

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN090524\  
 Data File : VN083686.D  
 Acq On : 05 Sep 2024 19:27  
 Operator : JC\MD  
 Sample : P3815-02MS  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Sep 06 02:22:40 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N083024W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Aug 31 00:48:10 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.224  | 168  | 153653   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.100  | 114  | 273727   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.865 | 117  | 248991   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152  | 125253   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.577  | 65    | 113993   | 53.083   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | = 106.160% |      |
| 35) Dibromofluoromethane    | 8.165  | 113   | 85303    | 51.777   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 103.560% |      |
| 50) Toluene-d8              | 10.565 | 98    | 310876   | 48.437   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | = 96.880%  |      |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 124822   | 52.520   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | = 105.040% |      |

|                              |       |     |         |         |        |     |
|------------------------------|-------|-----|---------|---------|--------|-----|
| Target Compounds             |       |     |         |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 2.124 | 85  | 87302   | 53.685  | ug/l   | 98  |
| 3) Chloromethane             | 2.359 | 50  | 97097   | 51.257  | ug/l   | 95  |
| 4) Vinyl Chloride            | 2.512 | 62  | 98720   | 52.072  | ug/l   | 98  |
| 5) Bromomethane              | 2.901 | 94  | 52377   | 52.554  | ug/l   | 100 |
| 6) Chloroethane              | 3.071 | 64  | 63476   | 51.237  | ug/l # | 88  |
| 7) Trichlorofluoromethane    | 3.471 | 101 | 160433  | 51.387  | ug/l   | 96  |
| 8) Diethyl Ether             | 3.959 | 74  | 56164   | 50.322  | ug/l   | 99  |
| 9) 1,1,2-Trichlorotrifluo... | 4.359 | 101 | 84541   | 49.931  | ug/l   | 98  |
| 10) Methyl Iodide            | 4.577 | 142 | 116727  | 50.965  | ug/l   | 94  |
| 11) Tert butyl alcohol       | 5.530 | 59  | 88181   | 263.363 | ug/l   | 98  |
| 12) 1,1-Dichloroethene       | 4.330 | 96  | 265618  | 157.797 | ug/l   | 97  |
| 13) Acrolein                 | 4.171 | 56  | 77688   | 245.250 | ug/l   | 97  |
| 14) Allyl chloride           | 5.006 | 41  | 144626  | 48.189  | ug/l   | 97  |
| 15) Acrylonitrile            | 5.712 | 53  | 218609  | 264.746 | ug/l   | 99  |
| 16) Acetone                  | 4.430 | 43  | 189901  | 221.753 | ug/l   | 99  |
| 17) Carbon Disulfide         | 4.700 | 76  | 286401  | 58.386  | ug/l   | 99  |
| 18) Methyl Acetate           | 5.024 | 43  | 95751   | 42.043  | ug/l   | 99  |
| 19) Methyl tert-butyl Ether  | 5.795 | 73  | 305093  | 51.097  | ug/l   | 99  |
| 20) Methylene Chloride       | 5.271 | 84  | 93375   | 49.376  | ug/l   | 90  |
| 21) trans-1,2-Dichloroethene | 5.783 | 96  | 104977  | 59.871  | ug/l   | 90  |
| 22) Diisopropyl ether        | 6.671 | 45  | 307364  | 51.939  | ug/l   | 100 |
| 23) Vinyl Acetate            | 6.600 | 43  | 1077395 | 245.667 | ug/l   | 99  |
| 24) 1,1-Dichloroethane       | 6.565 | 63  | 198485  | 58.814  | ug/l   | 100 |
| 25) 2-Butanone               | 7.483 | 43  | 288543  | 247.472 | ug/l   | 96  |
| 26) 2,2-Dichloropropane      | 7.483 | 77  | 133142  | 42.374  | ug/l   | 87  |
| 27) cis-1,2-Dichloroethene   | 7.483 | 96  | 267666  | 127.929 | ug/l   | 93  |
| 28) Bromochloromethane       | 7.812 | 49  | 78544   | 49.840  | ug/l   | 100 |
| 29) Tetrahydrofuran          | 7.841 | 42  | 189321  | 261.776 | ug/l   | 100 |
| 30) Chloroform               | 7.965 | 83  | 182639  | 51.367  | ug/l   | 97  |
| 31) Cyclohexane              | 8.253 | 56  | 151426  | 45.585  | ug/l   | 96  |
| 32) 1,1,1-Trichloroethane    | 8.165 | 97  | 171666  | 53.393  | ug/l   | 99  |
| 36) 1,1-Dichloropropene      | 8.371 | 75  | 125565  | 49.967  | ug/l   | 98  |
| 37) Ethyl Acetate            | 7.559 | 43  | 118601  | 47.422  | ug/l   | 97  |
| 38) Carbon Tetrachloride     | 8.359 | 117 | 147060  | 51.291  | ug/l   | 99  |
| 39) Methylcyclohexane        | 9.600 | 83  | 147829  | 49.023  | ug/l   | 98  |
| 40) Benzene                  | 8.606 | 78  | 386662  | 50.019  | ug/l   | 99  |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN090524\  
 Data File : VN083686.D  
 Acq On : 05 Sep 2024 19:27  
 Operator : JC\MD  
 Sample : P3815-02MS  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Sep 06 02:22:40 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N083024W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Aug 31 00:48:10 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.777  | 41   | 66942    | 46.905   | ug/l   | 95       |
| 42) 1,2-Dichloroethane        | 8.671  | 62   | 162595   | 56.742   | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.688  | 43   | 208744   | 41.390   | ug/l   | 95       |
| 44) Trichloroethene           | 9.353  | 130  | 127057   | 68.325   | ug/l   | 90       |
| 45) 1,2-Dichloropropane       | 9.618  | 63   | 92126    | 51.159   | ug/l   | 100      |
| 46) Dibromomethane            | 9.706  | 93   | 68062    | 51.231   | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.888  | 83   | 144627   | 51.140   | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.683  | 41   | 106769   | 52.049   | ug/l   | 99       |
| 49) 1,4-Dioxane               | 9.700  | 88   | 39064    | 1162.195 | ug/l # | 100      |
| 51) 4-Methyl-2-Pentanone      | 10.447 | 43   | 613791   | 263.984  | ug/l   | 99       |
| 52) Toluene                   | 10.630 | 92   | 245621   | 50.804   | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.835 | 75   | 141380   | 48.291   | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 10.312 | 75   | 149324   | 48.593   | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 11.018 | 97   | 87007    | 50.421   | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.877 | 69   | 147502   | 51.670   | ug/l   | 97       |
| 57) 1,3-Dichloropropane       | 11.165 | 76   | 154425   | 50.548   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 10.206 | 63   | 437      | 0.352    | ug/l # | 46       |
| 59) 2-Hexanone                | 11.194 | 43   | 449312   | 257.495  | ug/l   | 99       |
| 60) Dibromochloromethane      | 11.359 | 129  | 103258   | 51.642   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.471 | 107  | 88836    | 50.389   | ug/l   | 100      |
| 64) Tetrachloroethene         | 11.106 | 164  | 72757    | 44.456   | ug/l   | 98       |
| 65) Chlorobenzene             | 11.894 | 112  | 249727   | 44.722   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.959 | 131  | 89242    | 47.336   | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.965 | 91   | 468246   | 46.977   | ug/l   | 99       |
| 68) m/p-Xylenes               | 12.071 | 106  | 348765   | 92.881   | ug/l   | 99       |
| 69) o-Xylene                  | 12.400 | 106  | 170002   | 46.843   | ug/l   | 100      |
| 70) Styrene                   | 12.412 | 104  | 284252   | 46.582   | ug/l   | 99       |
| 71) Bromoform                 | 12.582 | 173  | 66152    | 49.262   | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.694 | 105  | 449396   | 44.329   | ug/l   | 100      |
| 74) N-amyl acetate            | 12.494 | 43   | 188819   | 42.911   | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 12.941 | 83   | 127596   | 44.335   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.994 | 75   | 165918   | 65.610   | ug/l   | 64       |
| 77) Bromobenzene              | 12.982 | 156  | 102004   | 42.887   | ug/l   | 97       |
| 78) n-propylbenzene           | 13.035 | 91   | 514608   | 43.905   | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 13.123 | 91   | 322369   | 42.444   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 13.171 | 105  | 378951   | 44.373   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.735 | 75   | 41811    | 38.996   | ug/l   | 92       |
| 82) 4-Chlorotoluene           | 13.223 | 91   | 320672   | 41.560   | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.441 | 119  | 332085   | 43.737   | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.482 | 105  | 382161   | 44.457   | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.618 | 105  | 442852   | 43.882   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.729 | 119  | 372776   | 44.225   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.735 | 146  | 187179   | 40.542   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.812 | 146  | 185721   | 39.148   | ug/l   | 100      |
| 89) n-Butylbenzene            | 14.053 | 91   | 310280   | 41.848   | ug/l   | 99       |
| 90) Hexachloroethane          | 14.335 | 117  | 70345    | 42.874   | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 14.106 | 146  | 188237   | 42.337   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.717 | 75   | 27349    | 43.816   | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 15.394 | 180  | 95883    | 38.029   | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 15.500 | 225  | 38442    | 38.073   | ug/l   | 99       |
| 95) Naphthalene               | 15.641 | 128  | 321884   | 39.735   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.841 | 180  | 91693    | 36.406   | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN090524\  
Data File : VN083686.D  
Acq On : 05 Sep 2024 19:27  
Operator : JC\MD  
Sample : P3815-02MS  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 24 Sample Multiplier: 1

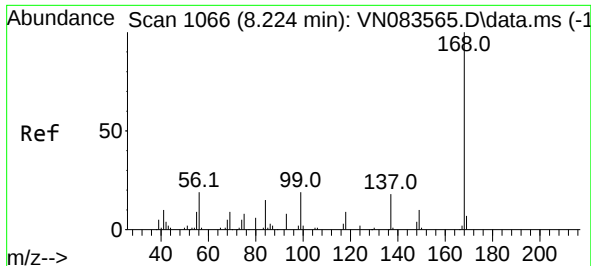
Instrument :  
MSVOA\_N  
ClientSampleId :

Quant Time: Sep 06 02:22:40 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N083024W.M  
Quant Title : SW846 8260  
QLast Update : Sat Aug 31 00:48:10 2024  
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

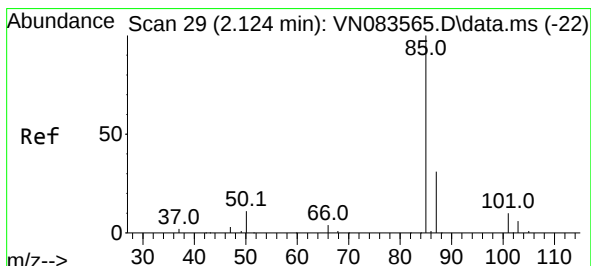
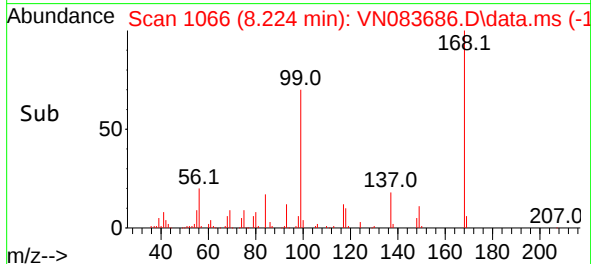
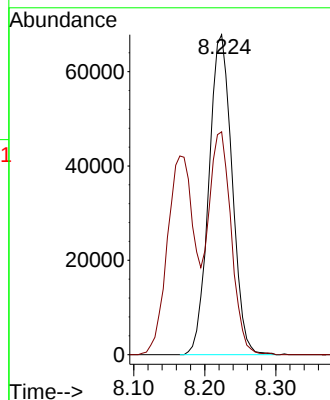
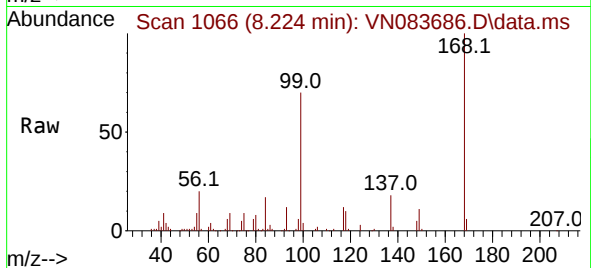




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VN083686.D  
Acq: 05 Sep 2024 19:27

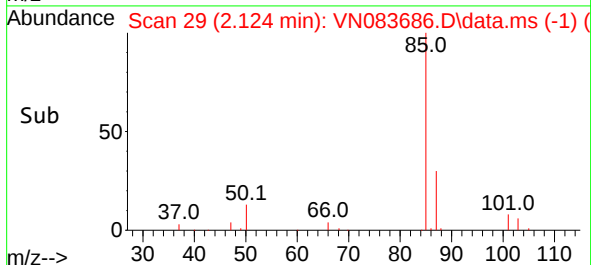
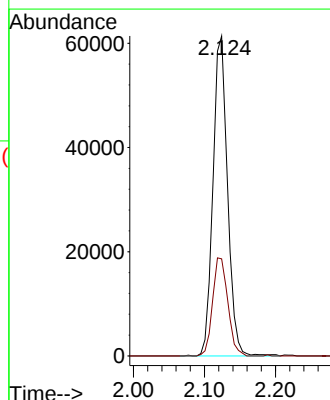
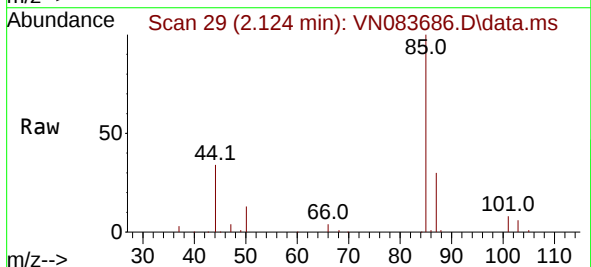
Instrument :  
MSVOA\_N  
ClientSampleId :

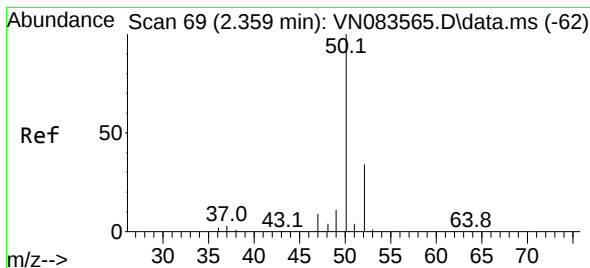
Tgt Ion:168 Resp: 153653  
Ion Ratio Lower Upper  
168 100  
99 69.7 54.2 81.2



#2  
Dichlorodifluoromethane  
Concen: 53.685 ug/l  
RT: 2.124 min Scan# 29  
Delta R.T. 0.000 min  
Lab File: VN083686.D  
Acq: 05 Sep 2024 19:27

Tgt Ion: 85 Resp: 87302  
Ion Ratio Lower Upper  
85 100  
87 30.3 15.7 47.0





#3

Chloromethane

Concen: 51.257 ug/l

RT: 2.359 min Scan# 69

Delta R.T. 0.000 min

Lab File: VN083686.D

Acq: 05 Sep 2024 19:27

Instrument :

MSVOA\_N

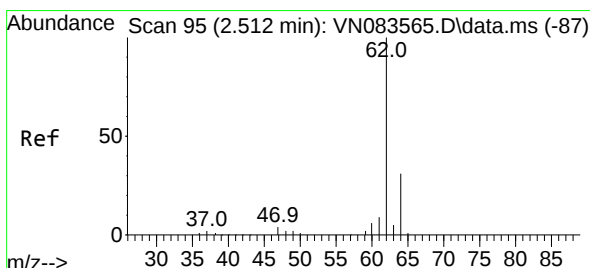
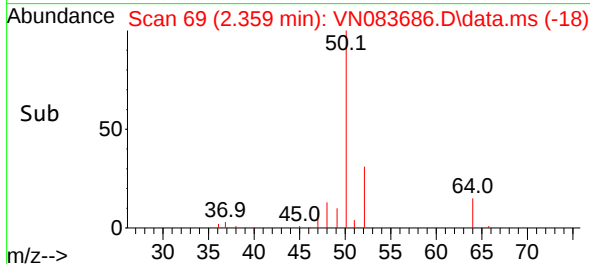
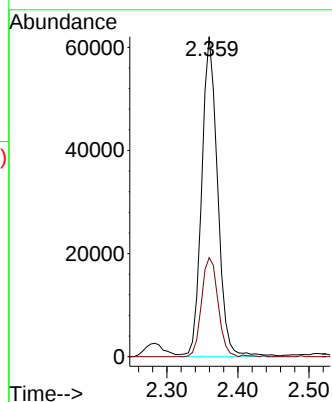
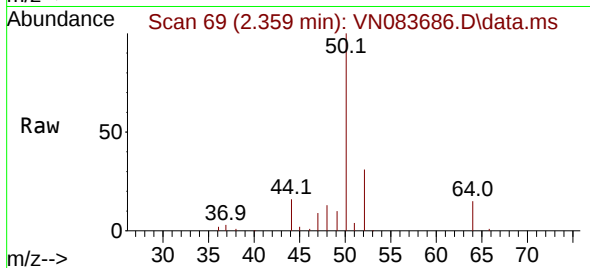
ClientSampleId :

Tgt Ion: 50 Resp: 97097

Ion Ratio Lower Upper

50 100

52 31.1 27.2 40.8



#4

Vinyl Chloride

Concen: 52.072 ug/l

RT: 2.512 min Scan# 95

Delta R.T. 0.000 min

Lab File: VN083686.D

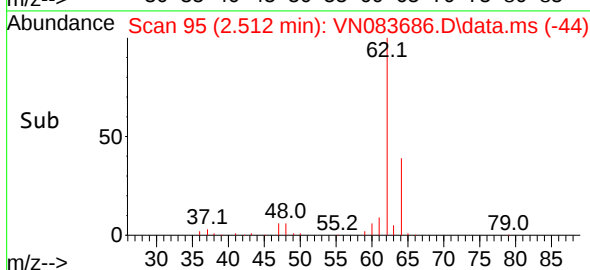
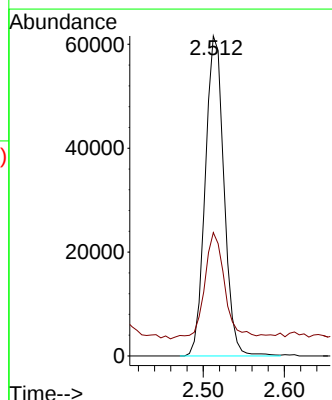
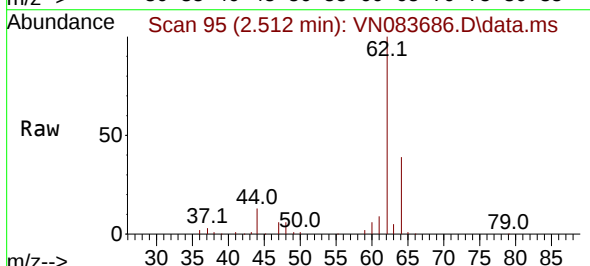
Acq: 05 Sep 2024 19:27

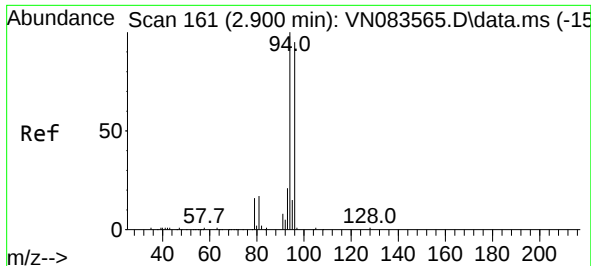
Tgt Ion: 62 Resp: 98720

Ion Ratio Lower Upper

62 100

64 32.1 24.7 37.1

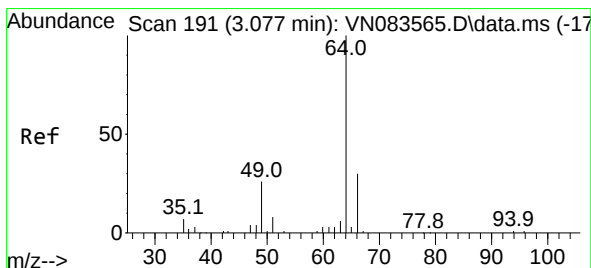
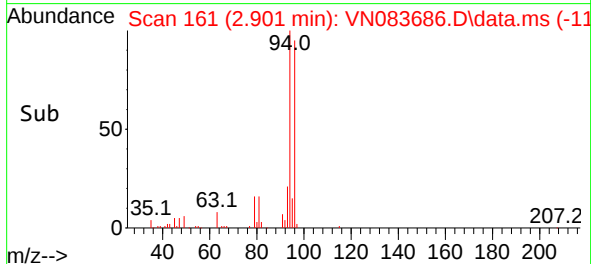
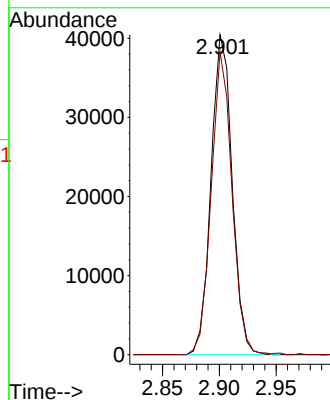
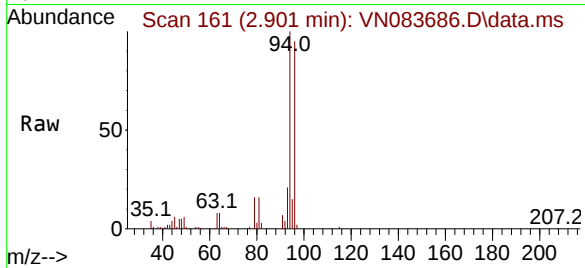




#5  
Bromomethane  
Concen: 52.554 ug/l  
RT: 2.901 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN083686.D  
Acq: 05 Sep 2024 19:27

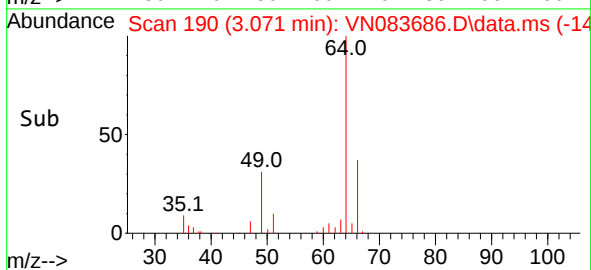
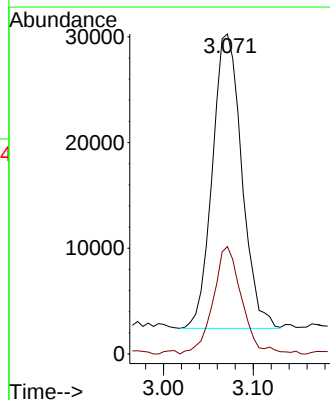
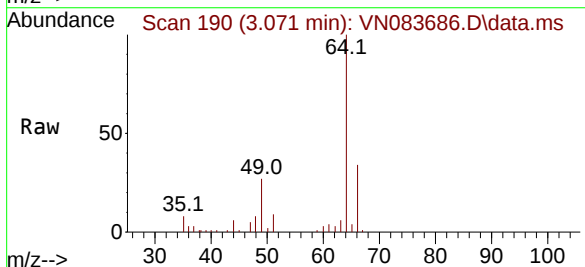
Instrument :  
MSVOA\_N  
ClientSampleId :

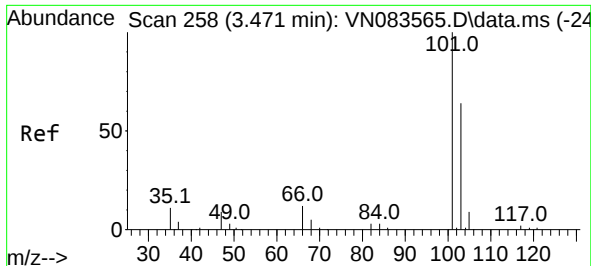
Tgt Ion: 94 Resp: 52377  
Ion Ratio Lower Upper  
94 100  
96 94.7 76.0 114.0



#6  
Chloroethane  
Concen: 51.237 ug/l  
RT: 3.071 min Scan# 190  
Delta R.T. -0.006 min  
Lab File: VN083686.D  
Acq: 05 Sep 2024 19:27

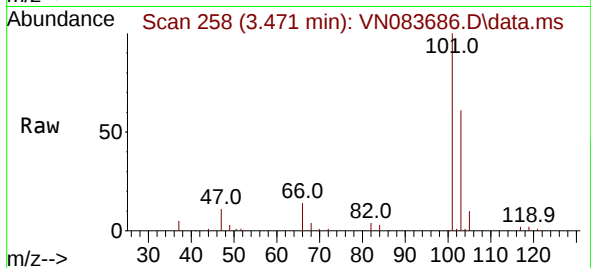
Tgt Ion: 64 Resp: 63476  
Ion Ratio Lower Upper  
64 100  
66 36.5 23.9 35.9#



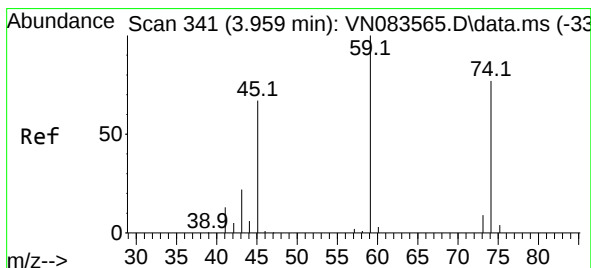
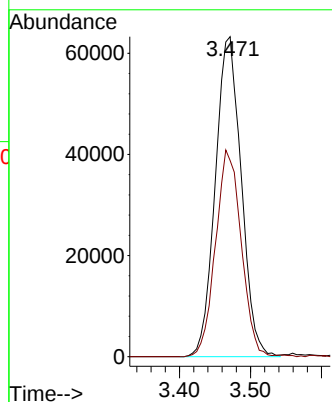
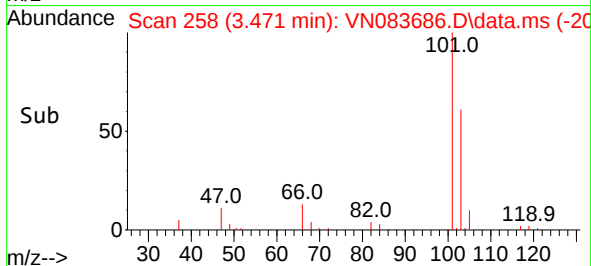


#7  
 Trichlorofluoromethane  
 Concen: 51.387 ug/l  
 RT: 3.471 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VN083686.D  
 Acq: 05 Sep 2024 19:27

Instrument :  
 MSVOA\_N  
 ClientSampleId :

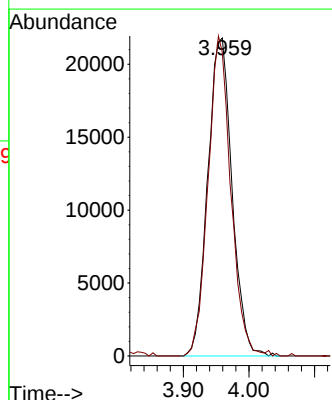
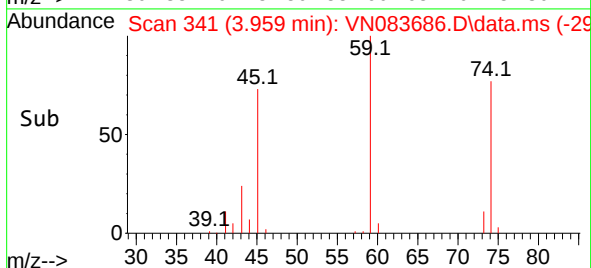
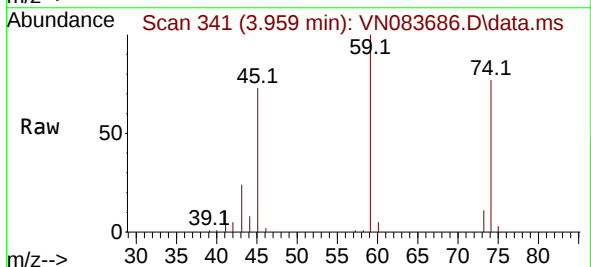


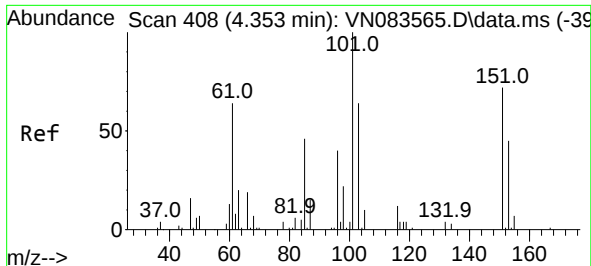
Tgt Ion:101 Resp: 160433  
 Ion Ratio Lower Upper  
 101 100  
 103 61.3 51.4 77.0



#8  
 Diethyl Ether  
 Concen: 50.322 ug/l  
 RT: 3.959 min Scan# 341  
 Delta R.T. 0.000 min  
 Lab File: VN083686.D  
 Acq: 05 Sep 2024 19:27

Tgt Ion: 74 Resp: 56164  
 Ion Ratio Lower Upper  
 74 100  
 45 94.5 46.7 140.1

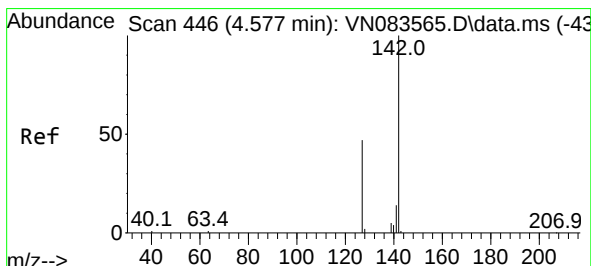
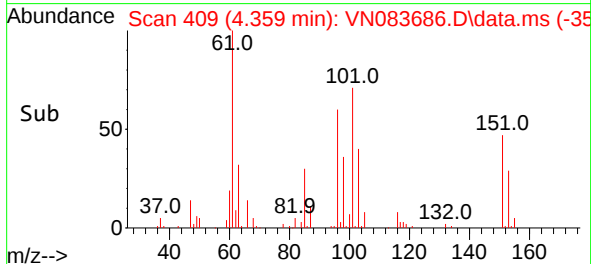
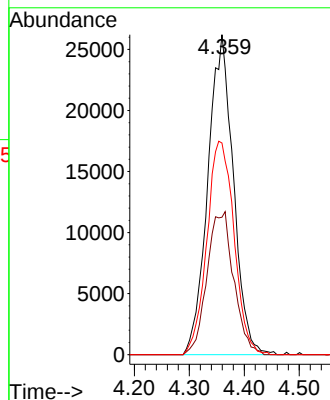
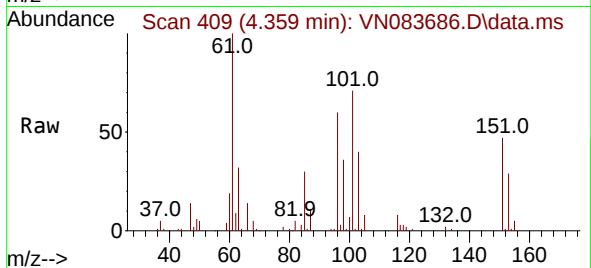




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 49.931 ug/l  
RT: 4.359 min Scan# 409  
Delta R.T. 0.006 min  
Lab File: VN083686.D  
Acq: 05 Sep 2024 19:27

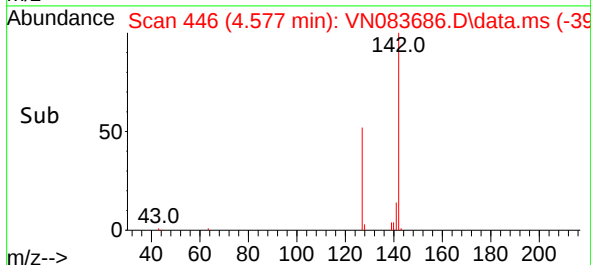
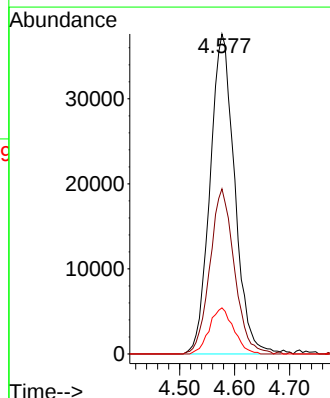
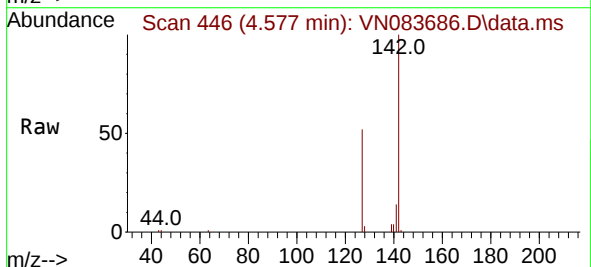
Instrument :  
MSVOA\_N  
ClientSampleId :

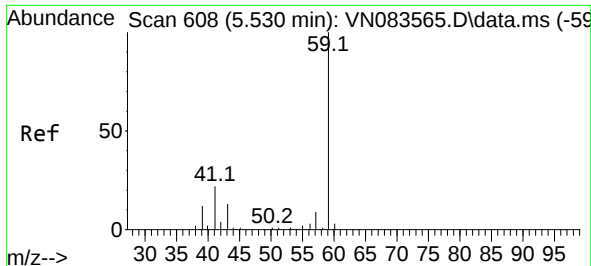
Tgt Ion:101 Resp: 84541  
Ion Ratio Lower Upper  
101 100  
85 46.8 36.2 54.4  
151 71.0 57.7 86.5



#10  
Methyl Iodide  
Concen: 50.965 ug/l  
RT: 4.577 min Scan# 446  
Delta R.T. 0.000 min  
Lab File: VN083686.D  
Acq: 05 Sep 2024 19:27

Tgt Ion:142 Resp: 116727  
Ion Ratio Lower Upper  
142 100  
127 51.6 37.5 56.3  
141 14.4 11.0 16.4

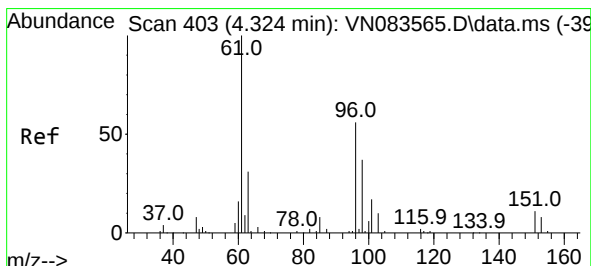
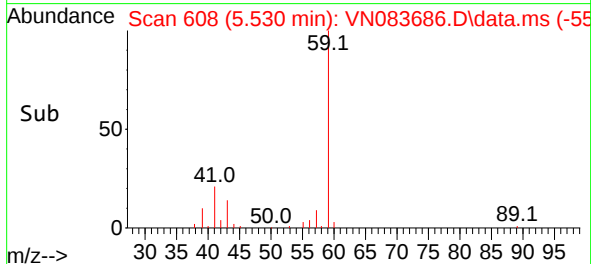
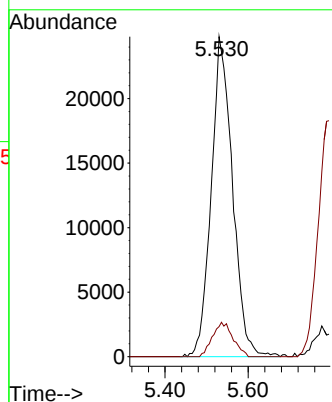
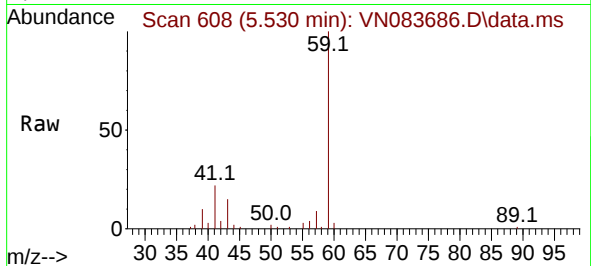




#11  
Tert butyl alcohol  
Concen: 263.363 ug/l  
RT: 5.530 min Scan# 608  
Delta R.T. 0.000 min  
Lab File: VN083686.D  
Acq: 05 Sep 2024 19:27

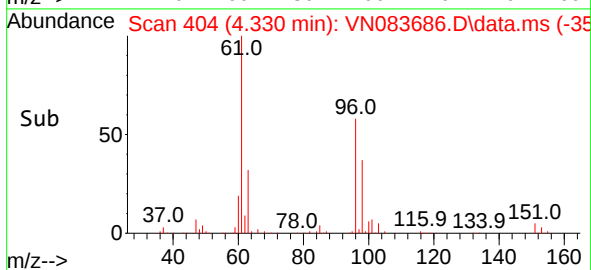
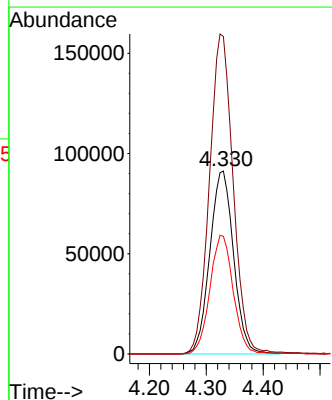
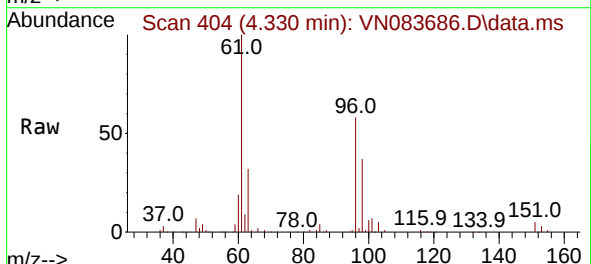
Instrument :  
MSVOA\_N  
ClientSampleId :

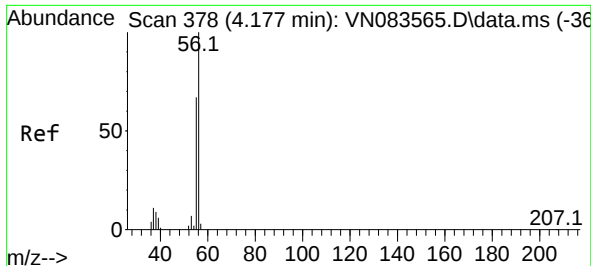
Tgt Ion: 59 Resp: 88181  
Ion Ratio Lower Upper  
59 100  
57 10.3 8.7 13.1



#12  
1,1-Dichloroethene  
Concen: 157.797 ug/l  
RT: 4.330 min Scan# 404  
Delta R.T. 0.006 min  
Lab File: VN083686.D  
Acq: 05 Sep 2024 19:27

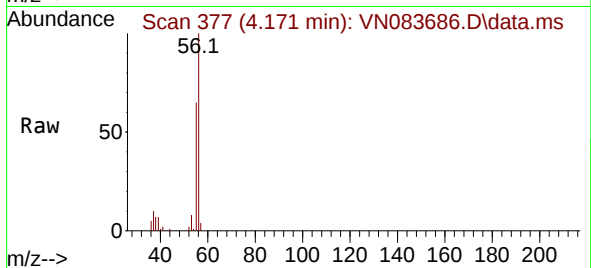
Tgt Ion: 96 Resp: 265618  
Ion Ratio Lower Upper  
96 100  
61 173.6 143.4 215.0  
98 64.4 52.7 79.1



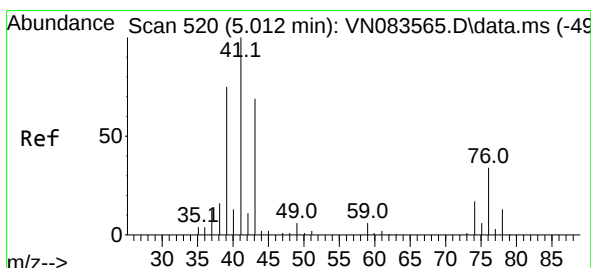
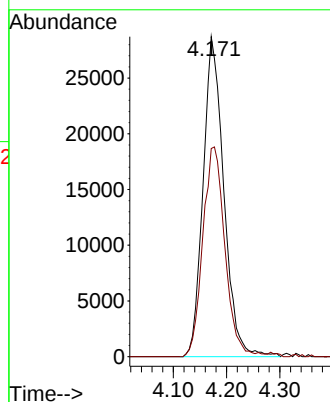
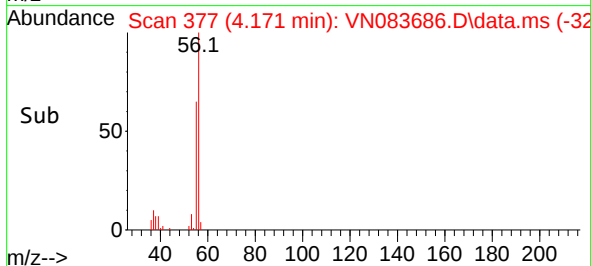


#13  
Acrolein  
Concen: 245.250 ug/l  
RT: 4.171 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: VN083686.D  
Acq: 05 Sep 2024 19:27

Instrument :  
MSVOA\_N  
ClientSampleId :

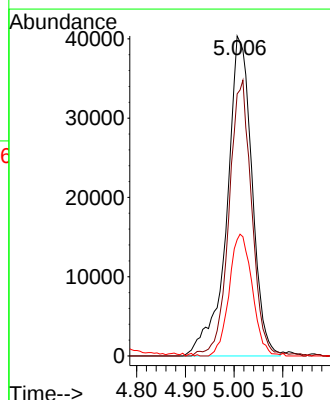
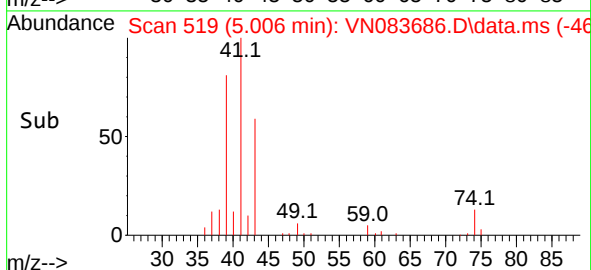
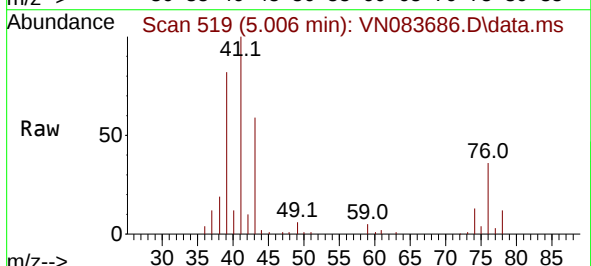


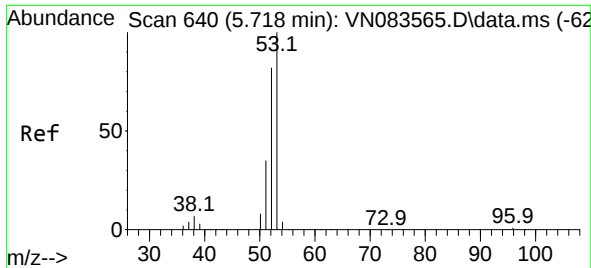
Tgt Ion: 56 Resp: 77688  
Ion Ratio Lower Upper  
56 100  
55 70.0 58.2 87.2



#14  
Allyl chloride  
Concen: 48.189 ug/l  
RT: 5.006 min Scan# 519  
Delta R.T. -0.006 min  
Lab File: VN083686.D  
Acq: 05 Sep 2024 19:27

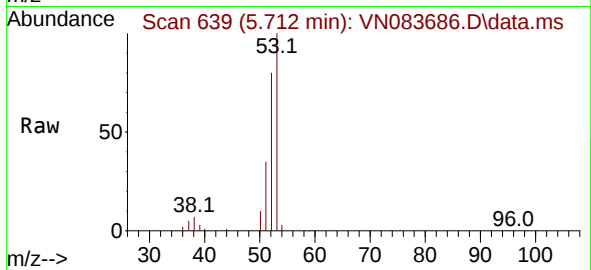
Tgt Ion: 41 Resp: 144626  
Ion Ratio Lower Upper  
41 100  
39 77.8 59.3 88.9  
76 35.0 27.7 41.5



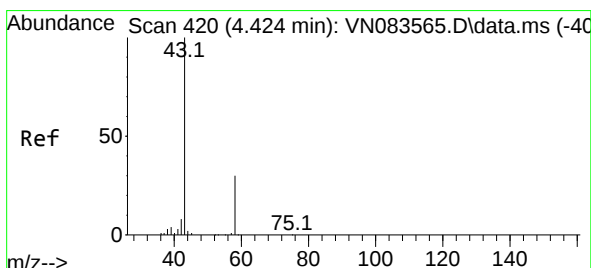
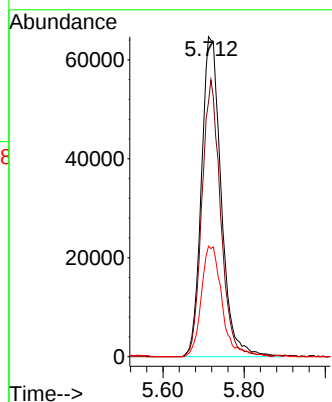
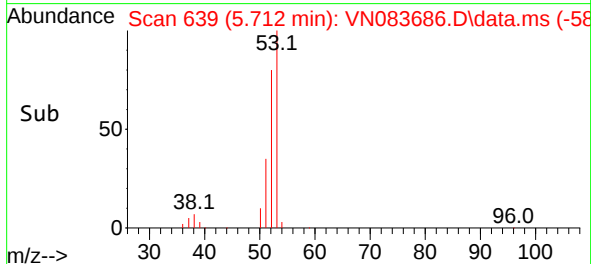


#15  
Acrylonitrile  
Concen: 264.746 ug/l  
RT: 5.712 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: VN083686.D  
Acq: 05 Sep 2024 19:27

Instrument :  
MSVOA\_N  
ClientSampleId :

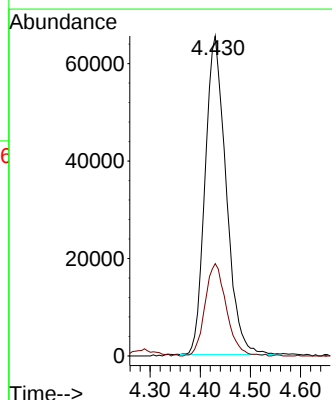
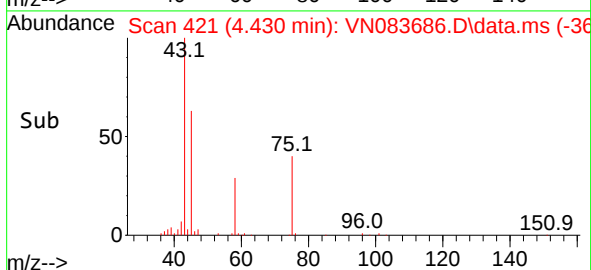
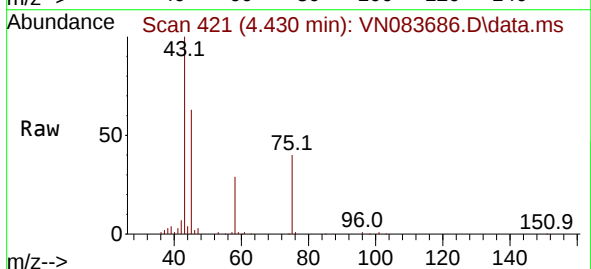


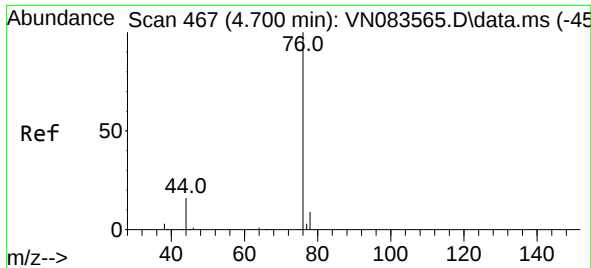
Tgt Ion: 53 Resp: 218609  
Ion Ratio Lower Upper  
53 100  
52 81.9 66.1 99.1  
51 36.3 29.6 44.4



#16  
Acetone  
Concen: 221.753 ug/l  
RT: 4.430 min Scan# 421  
Delta R.T. 0.006 min  
Lab File: VN083686.D  
Acq: 05 Sep 2024 19:27

Tgt Ion: 43 Resp: 189901  
Ion Ratio Lower Upper  
43 100  
58 29.0 23.7 35.5





#17

Carbon Disulfide

Concen: 58.386 ug/l

RT: 4.700 min Scan# 4

Delta R.T. 0.000 min

Lab File: VN083686.D

Acq: 05 Sep 2024 19:27

Instrument :

MSVOA\_N

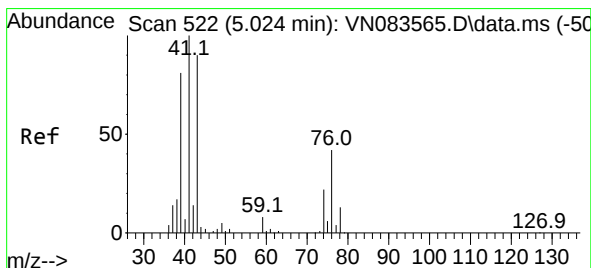
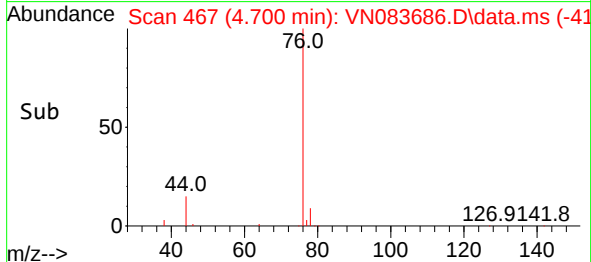
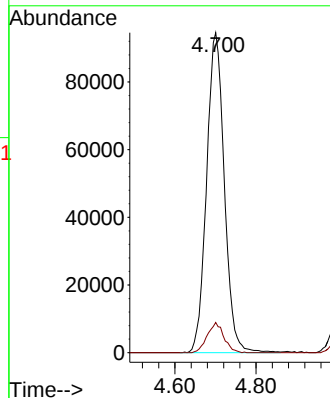
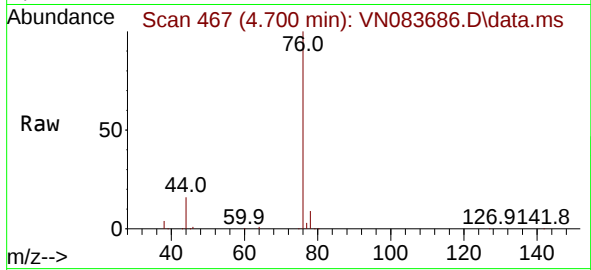
ClientSampleId :

Tgt Ion: 76 Resp: 286401

Ion Ratio Lower Upper

76 100

78 9.4 7.1 10.7



#18

Methyl Acetate

Concen: 42.043 ug/l

RT: 5.024 min Scan# 522

Delta R.T. 0.000 min

Lab File: VN083686.D

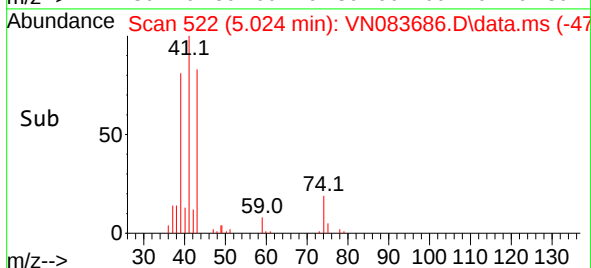
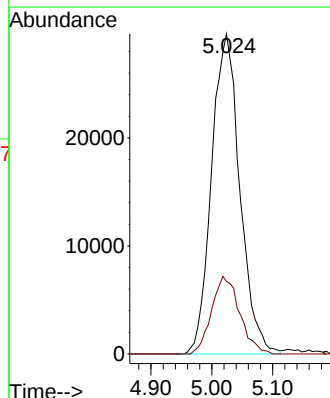
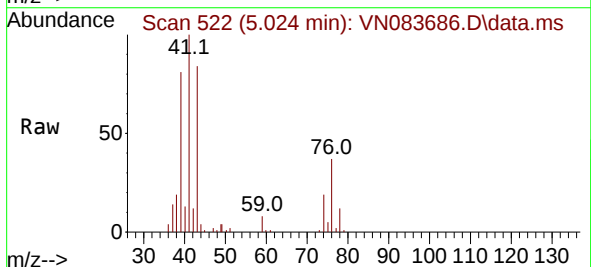
Acq: 05 Sep 2024 19:27

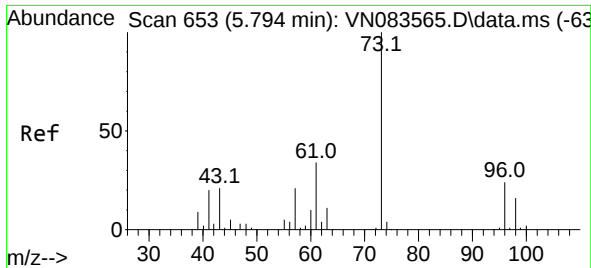
Tgt Ion: 43 Resp: 95751

Ion Ratio Lower Upper

43 100

74 24.0 19.0 28.4

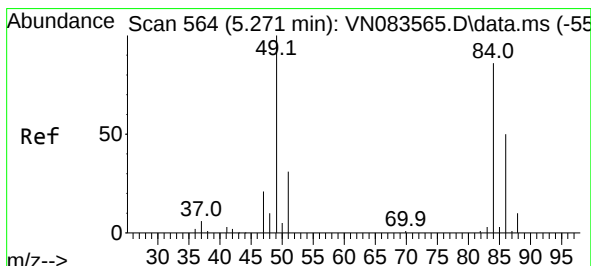
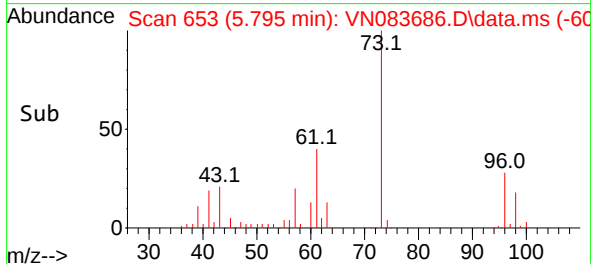
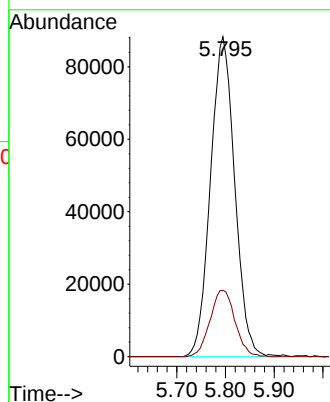
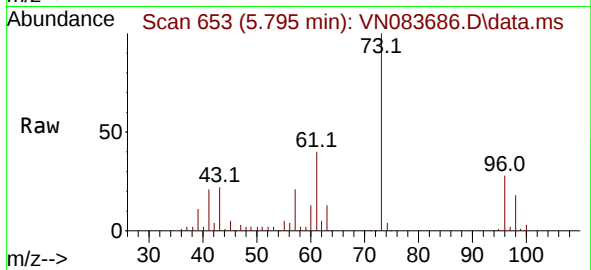




#19  
Methyl tert-butyl Ether  
Concen: 51.097 ug/l  
RT: 5.795 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VN083686.D  
Acq: 05 Sep 2024 19:27

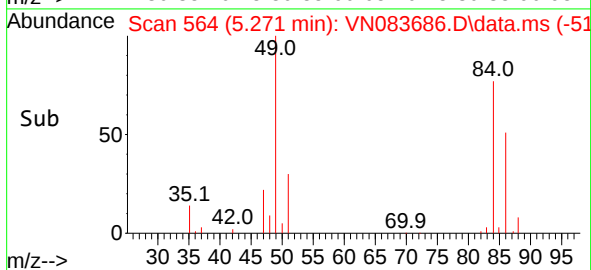
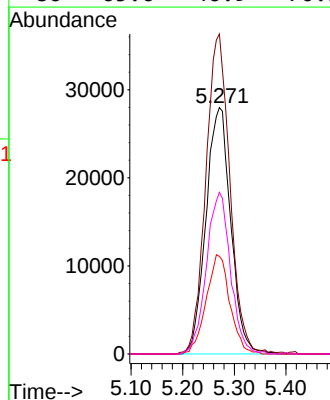
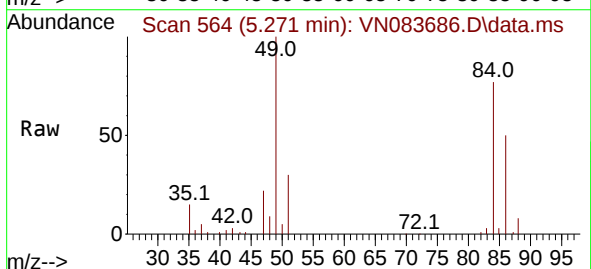
Instrument :  
MSVOA\_N  
ClientSampleId :

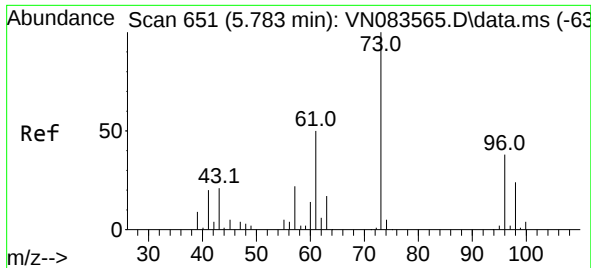
Tgt Ion: 73 Resp: 305093  
Ion Ratio Lower Upper  
73 100  
57 20.7 17.0 25.6



#20  
Methylene Chloride  
Concen: 49.376 ug/l  
RT: 5.271 min Scan# 564  
Delta R.T. 0.000 min  
Lab File: VN083686.D  
Acq: 05 Sep 2024 19:27

Tgt Ion: 84 Resp: 93375  
Ion Ratio Lower Upper  
84 100  
49 129.2 93.4 140.0  
51 39.6 29.2 43.8  
86 65.6 46.9 70.3

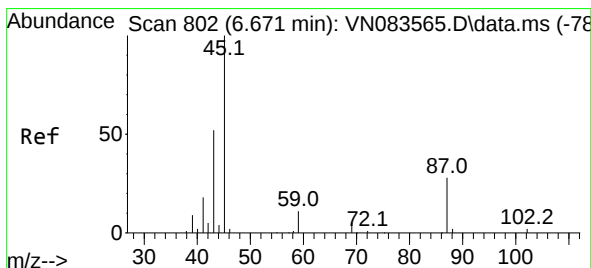
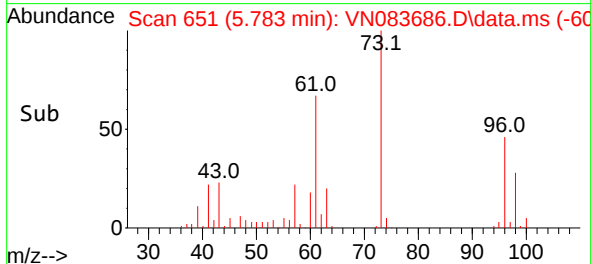
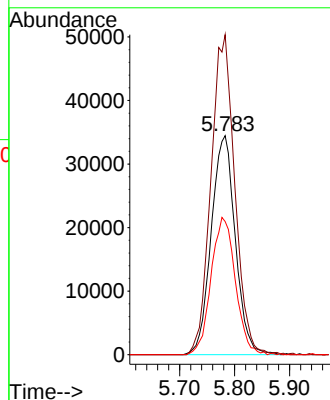
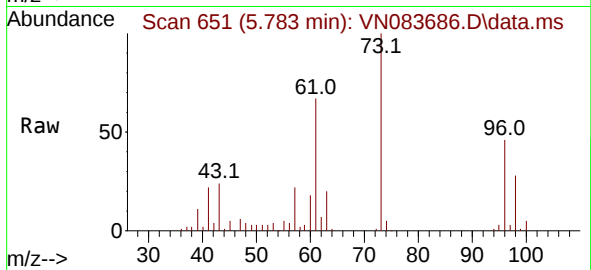




#21  
trans-1,2-Dichloroethene  
Concen: 59.871 ug/l  
RT: 5.783 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VN083686.D  
Acq: 05 Sep 2024 19:27

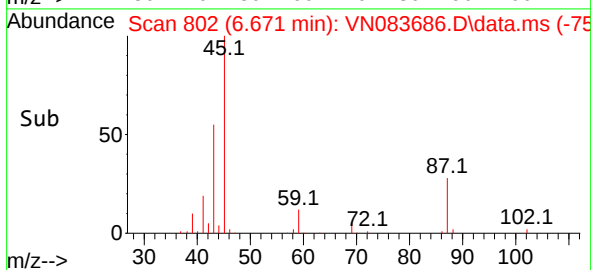
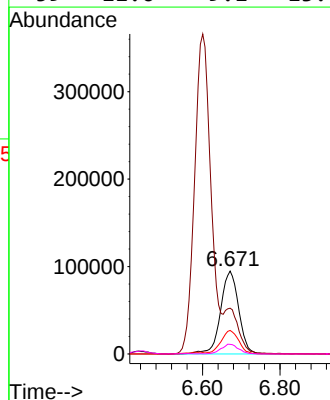
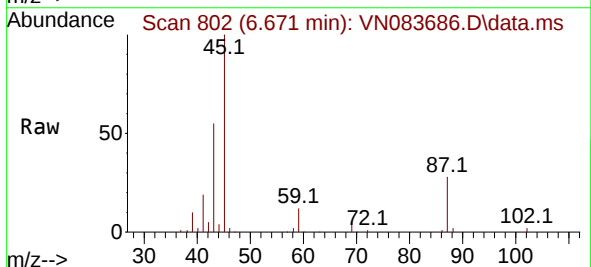
Instrument :  
MSVOA\_N  
ClientSampleId :

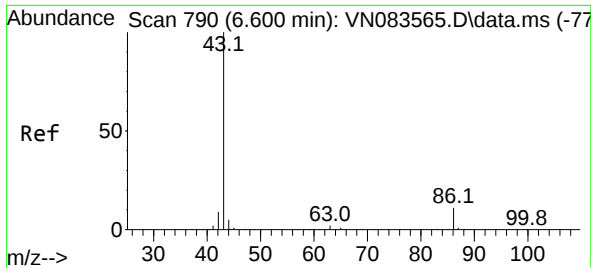
Tgt Ion: 96 Resp: 104977  
Ion Ratio Lower Upper  
96 100  
61 146.1 106.0 159.0  
98 60.8 52.2 78.2



#22  
Diisopropyl ether  
Concen: 51.939 ug/l  
RT: 6.671 min Scan# 802  
Delta R.T. 0.000 min  
Lab File: VN083686.D  
Acq: 05 Sep 2024 19:27

Tgt Ion: 45 Resp: 307364  
Ion Ratio Lower Upper  
45 100  
43 54.4 43.4 65.0  
87 28.4 22.6 33.8  
59 11.6 9.1 13.7

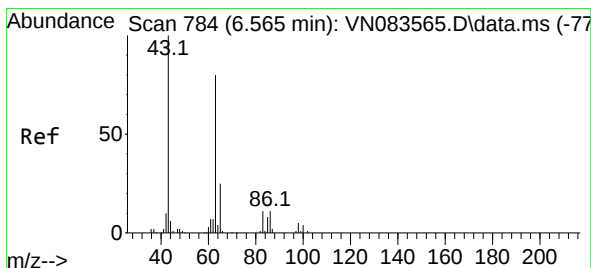
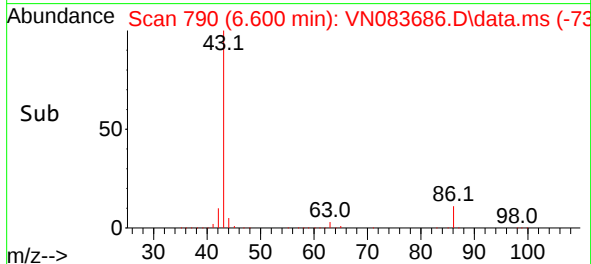
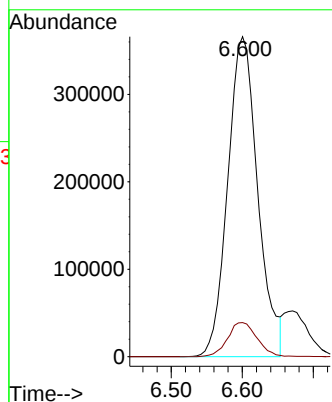
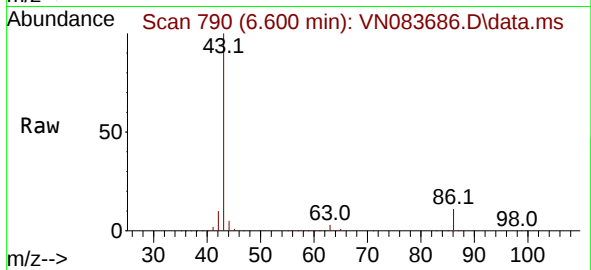




#23  
 Vinyl Acetate  
 Concen: 245.667 ug/l  
 RT: 6.600 min Scan# 790  
 Delta R.T. 0.000 min  
 Lab File: VN083686.D  
 Acq: 05 Sep 2024 19:27

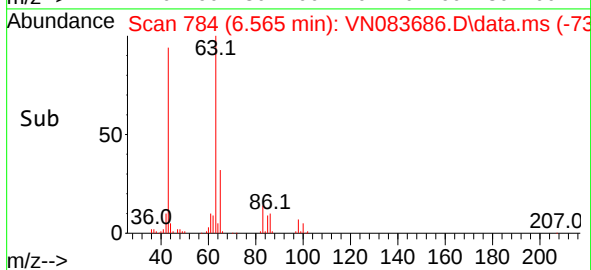
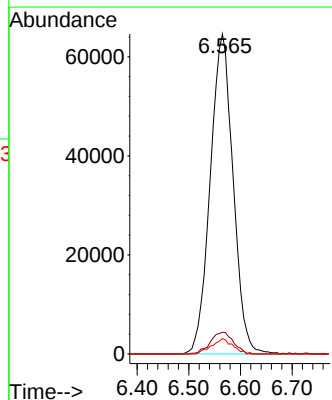
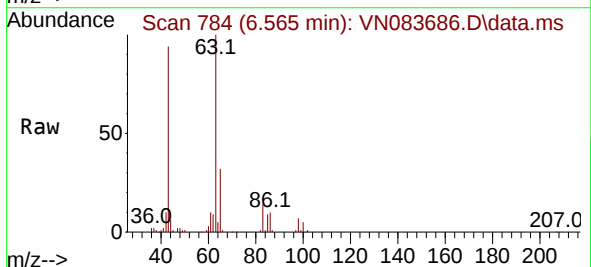
Instrument :  
 MSVOA\_N  
 ClientSampleId :

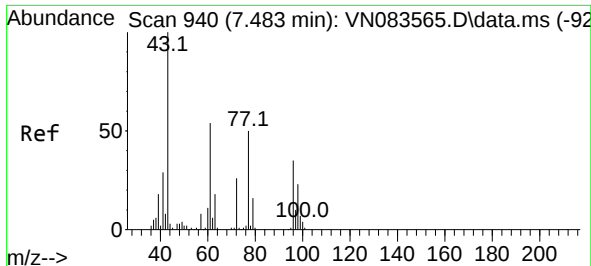
Tgt Ion: 43 Resp: 1077395  
 Ion Ratio Lower Upper  
 43 100  
 86 10.6 8.7 13.1



#24  
 1,1-Dichloroethane  
 Concen: 58.814 ug/l  
 RT: 6.565 min Scan# 784  
 Delta R.T. 0.000 min  
 Lab File: VN083686.D  
 Acq: 05 Sep 2024 19:27

Tgt Ion: 63 Resp: 198485  
 Ion Ratio Lower Upper  
 63 100  
 98 6.8 3.5 10.4  
 100 4.8 2.5 7.5

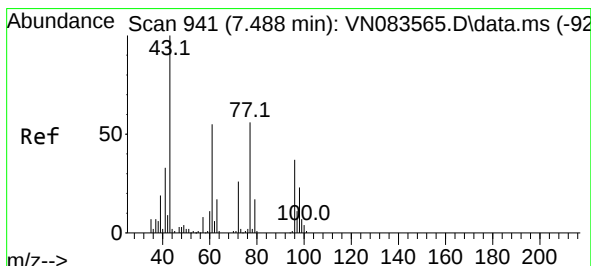
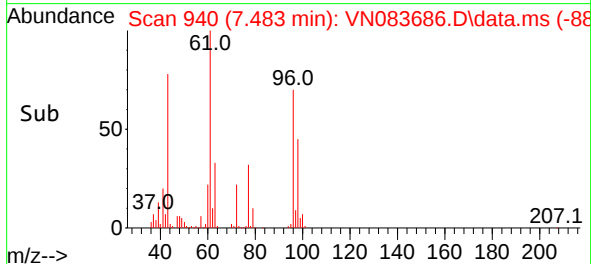
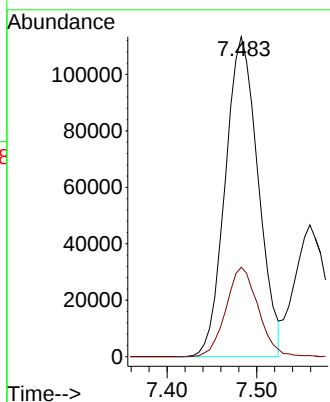
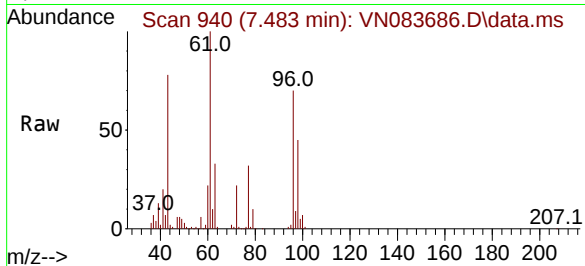




#25  
2-Butanone  
Concen: 247.472 ug/l  
RT: 7.483 min Scan# 940  
Delta R.T. 0.000 min  
Lab File: VN083686.D  
Acq: 05 Sep 2024 19:27

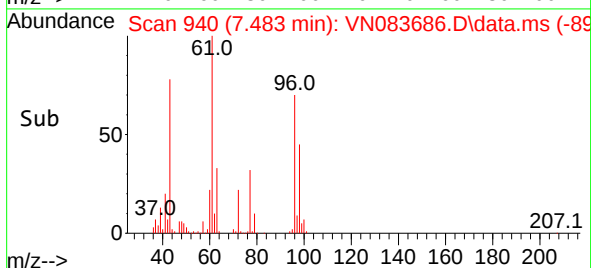
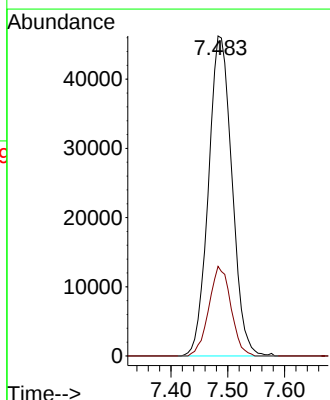
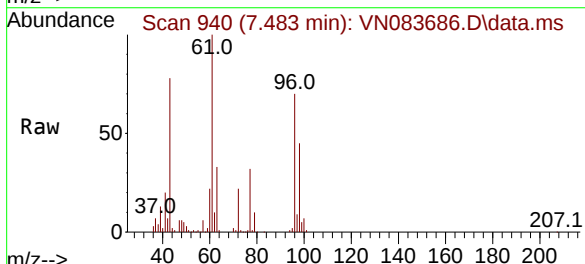
Instrument :  
MSVOA\_N  
ClientSampleId :

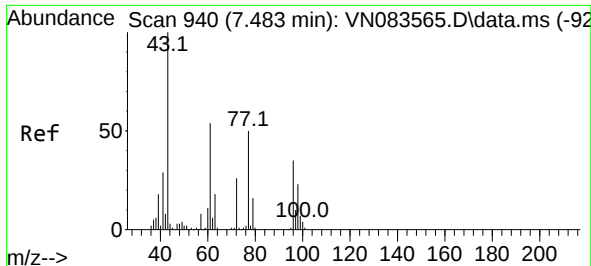
Tgt Ion: 43 Resp: 288543  
Ion Ratio Lower Upper  
43 100  
72 28.0 20.8 31.2



#26  
2,2-Dichloropropane  
Concen: 42.374 ug/l  
RT: 7.483 min Scan# 940  
Delta R.T. -0.006 min  
Lab File: VN083686.D  
Acq: 05 Sep 2024 19:27

Tgt Ion: 77 Resp: 133142  
Ion Ratio Lower Upper  
77 100  
97 26.3 10.2 30.4



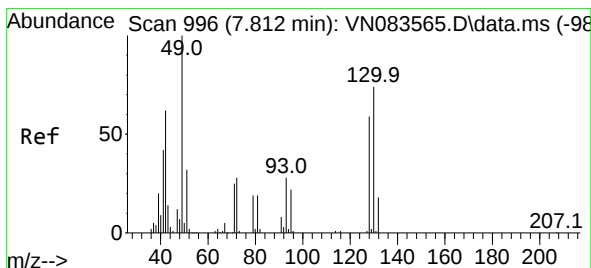
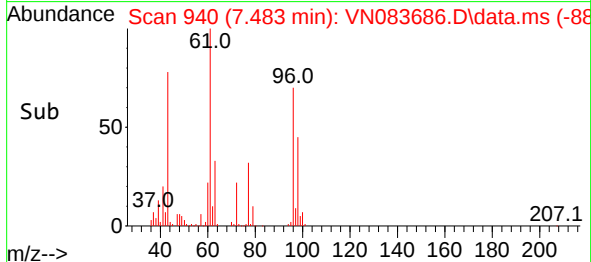
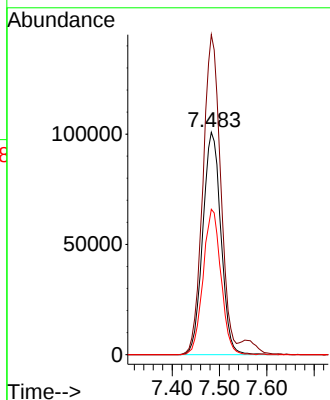
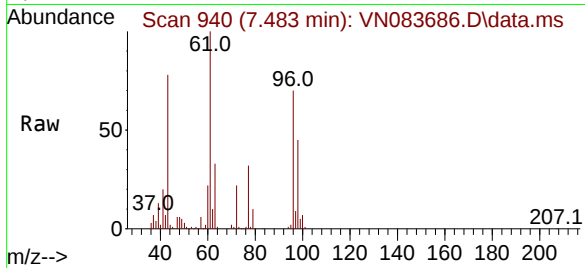


#27  
 cis-1,2-Dichloroethene  
 Concen: 127.929 ug/l  
 RT: 7.483 min Scan# 940  
 Delta R.T. 0.000 min  
 Lab File: VN083686.D  
 Acq: 05 Sep 2024 19:27

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Tgt Ion: 96 Resp: 267666  

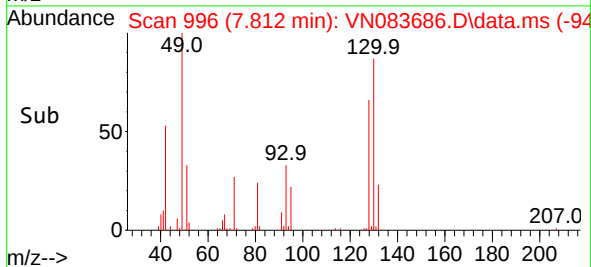
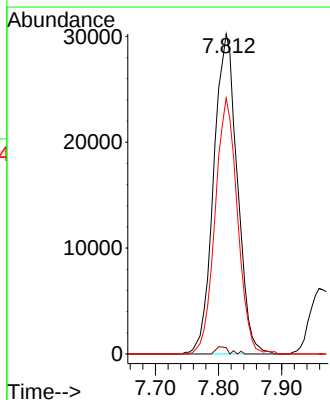
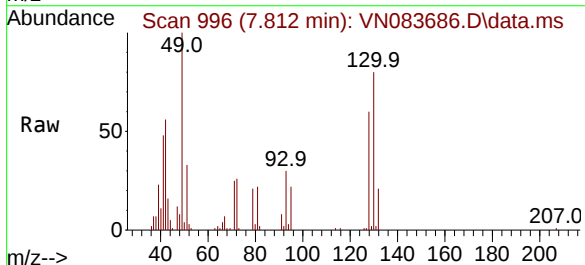
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 140.4 | 0.0   | 306.2 |
| 98  | 64.3  | 0.0   | 128.6 |

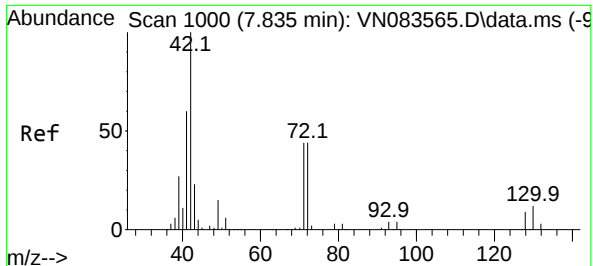


#28  
 Bromochloromethane  
 Concen: 49.840 ug/l  
 RT: 7.812 min Scan# 996  
 Delta R.T. 0.000 min  
 Lab File: VN083686.D  
 Acq: 05 Sep 2024 19:27

Tgt Ion: 49 Resp: 78544  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 49  | 100   |       |       |
| 129 | 1.3   | 0.0   | 3.4   |
| 130 | 75.6  | 60.2  | 90.2  |





#29

Tetrahydrofuran

Concen: 261.776 ug/l

RT: 7.841 min Scan# 1000

Delta R.T. 0.006 min

Lab File: VN083686.D

Acq: 05 Sep 2024 19:27

Instrument :

MSVOA\_N

ClientSampleId :

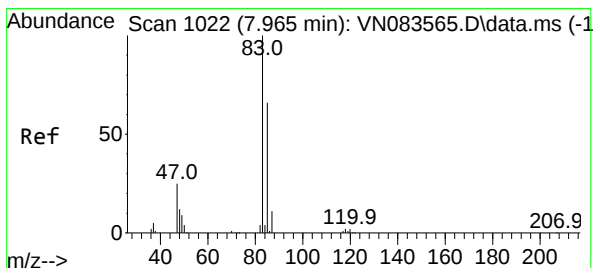
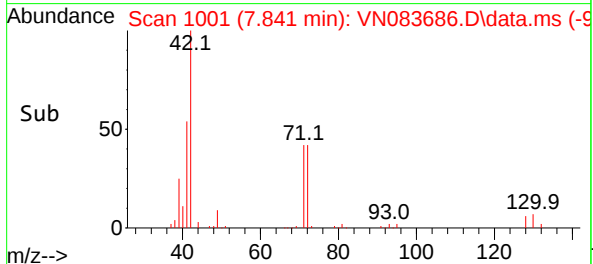
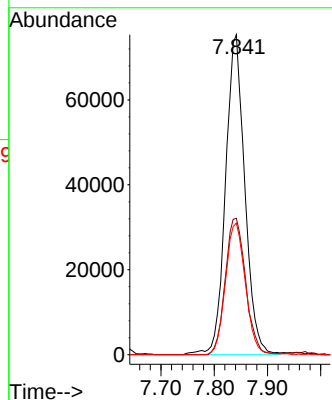
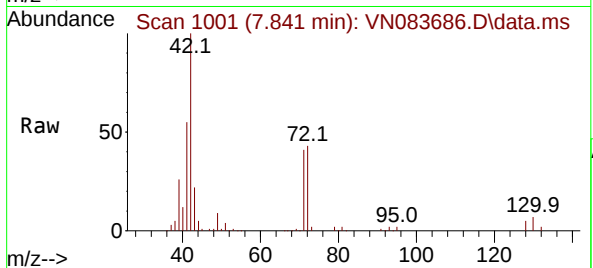
Tgt Ion: 42 Resp: 189321

Ion Ratio Lower Upper

42 100

72 45.0 35.9 53.9

71 42.5 33.9 50.9



#30

Chloroform

Concen: 51.367 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. 0.000 min

Lab File: VN083686.D

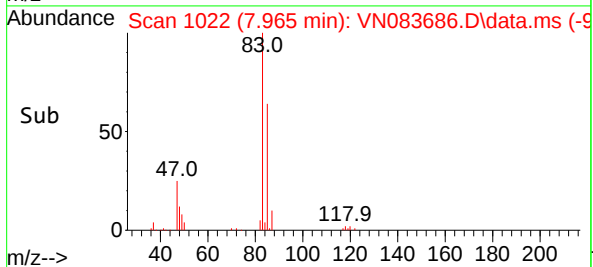
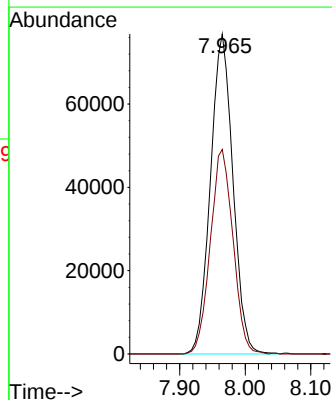
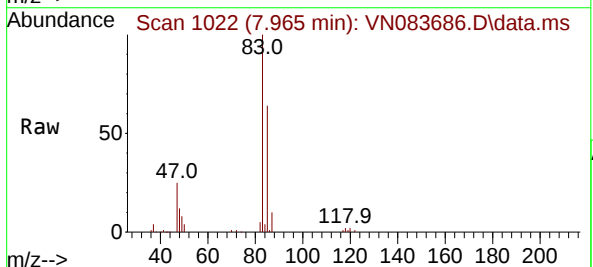
Acq: 05 Sep 2024 19:27

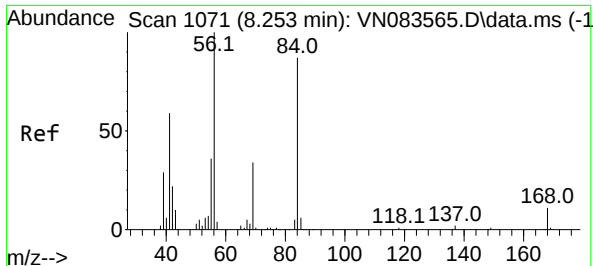
Tgt Ion: 83 Resp: 182639

Ion Ratio Lower Upper

83 100

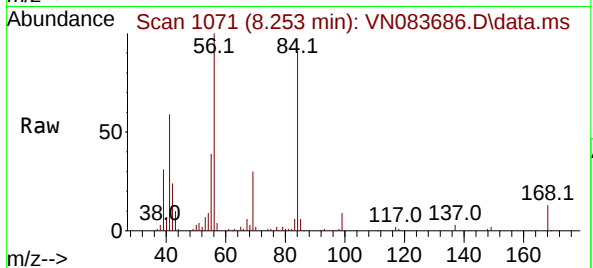
85 63.9 52.8 79.2



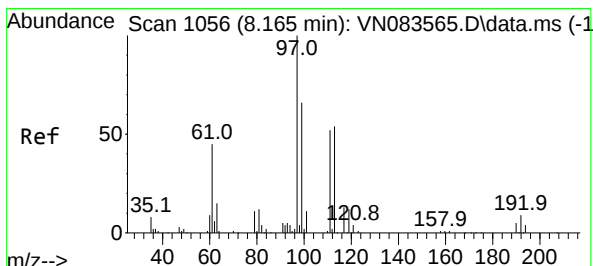
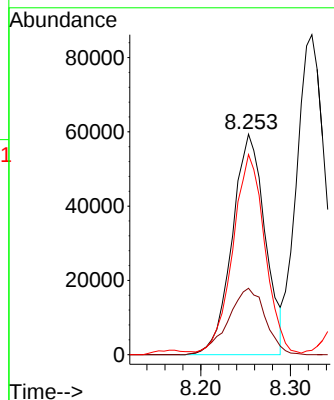
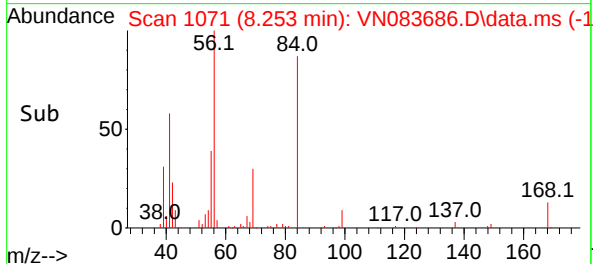


#31  
Cyclohexane  
Concen: 45.585 ug/l  
RT: 8.253 min Scan# 1071  
Delta R.T. 0.000 min  
Lab File: VN083686.D  
Acq: 05 Sep 2024 19:27

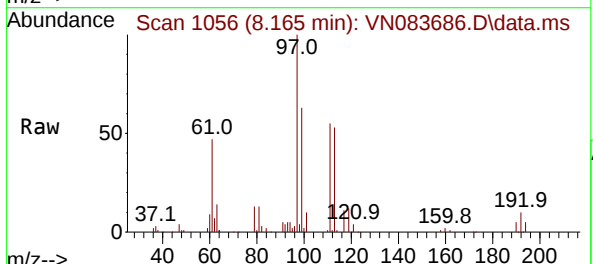
Instrument :  
MSVOA\_N  
ClientSampleId :



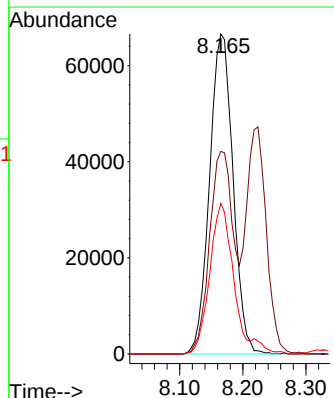
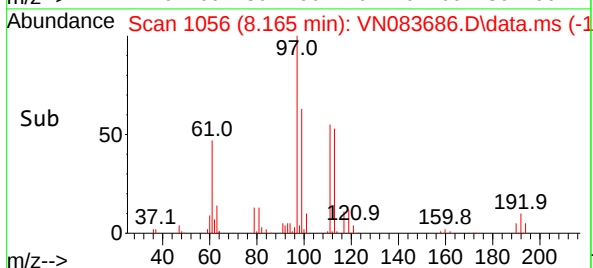
Tgt Ion: 56 Resp: 151426  
Ion Ratio Lower Upper  
56 100  
69 30.1 26.9 40.3  
84 89.3 69.2 103.8

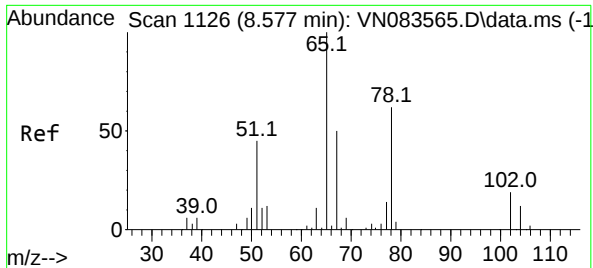


#32  
1,1,1-Trichloroethane  
Concen: 53.393 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. 0.000 min  
Lab File: VN083686.D  
Acq: 05 Sep 2024 19:27



Tgt Ion: 97 Resp: 171666  
Ion Ratio Lower Upper  
97 100  
99 64.8 52.3 78.5  
61 48.7 38.2 57.2





#33

1,2-Dichloroethane-d4

Concen: 53.083 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN083686.D

Acq: 05 Sep 2024 19:27

Instrument :

MSVOA\_N

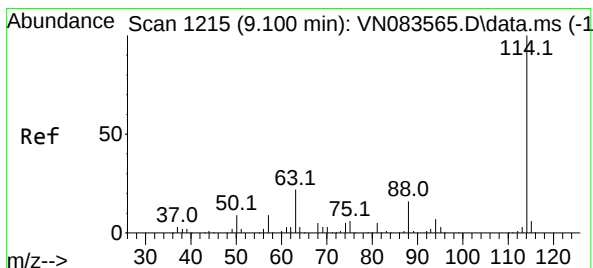
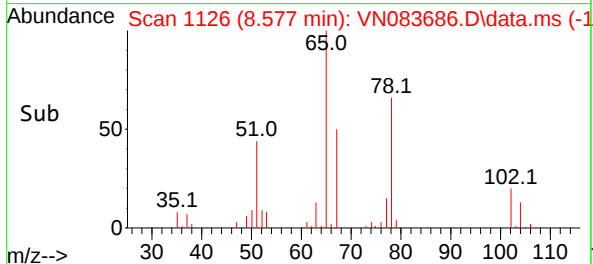
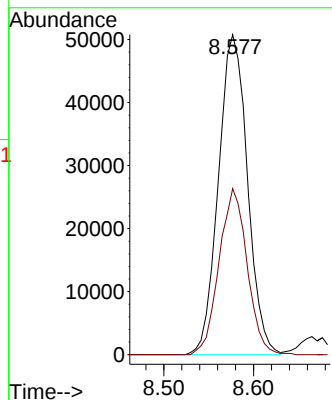
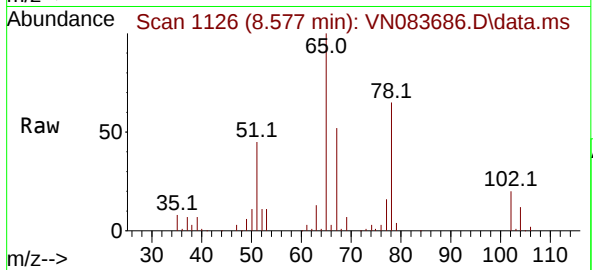
ClientSampleId :

Tgt Ion: 65 Resp: 113993

Ion Ratio Lower Upper

65 100

67 50.2 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN083686.D

Acq: 05 Sep 2024 19:27

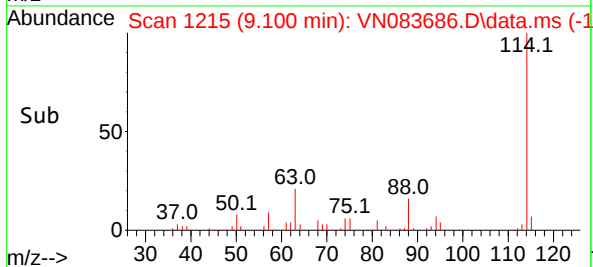
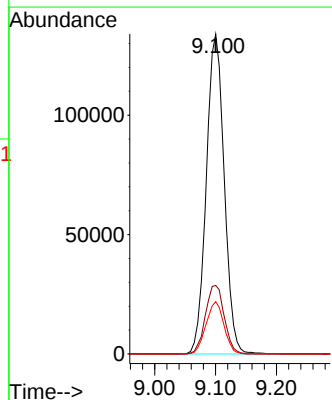
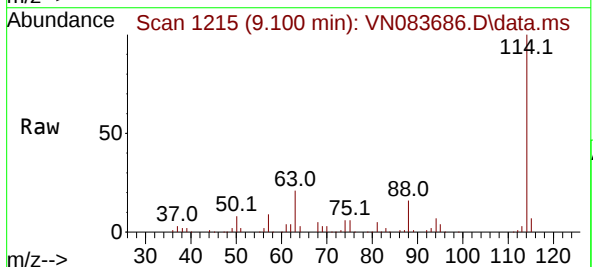
Tgt Ion: 114 Resp: 273727

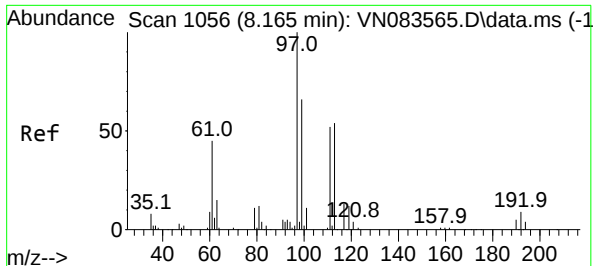
Ion Ratio Lower Upper

114 100

63 21.4 0.0 43.4

88 16.4 0.0 32.6





#35

Dibromofluoromethane

Concen: 51.777 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN083686.D

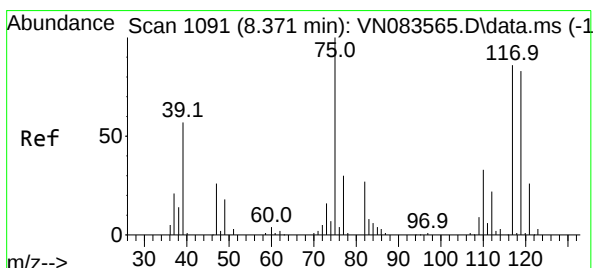
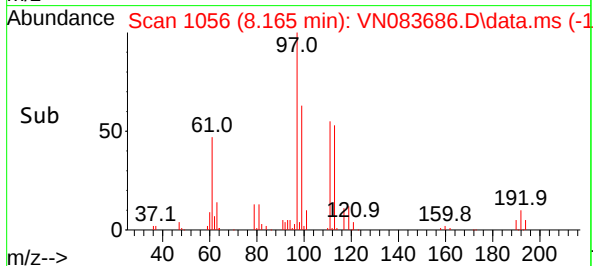
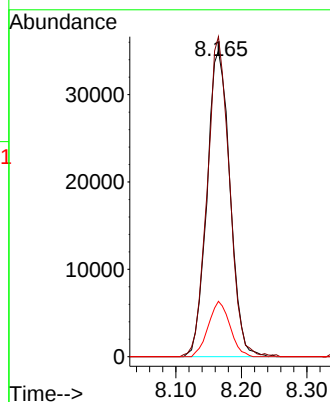
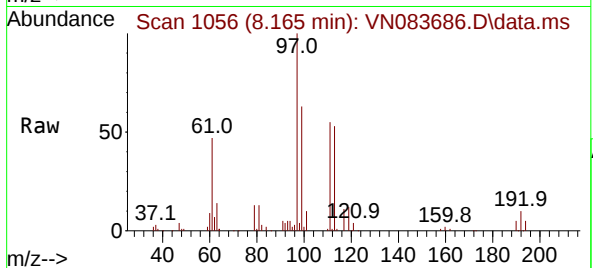
Acq: 05 Sep 2024 19:27

Instrument :

MSVOA\_N

ClientSampleId :

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 113   | Resp: | 85303 |
| Ion Ratio | Lower | Upper |       |
| 113       | 100   |       |       |
| 111       | 101.1 | 82.6  | 124.0 |
| 192       | 17.0  | 14.3  | 21.5  |



#36

1,1-Dichloropropene

Concen: 49.967 ug/l

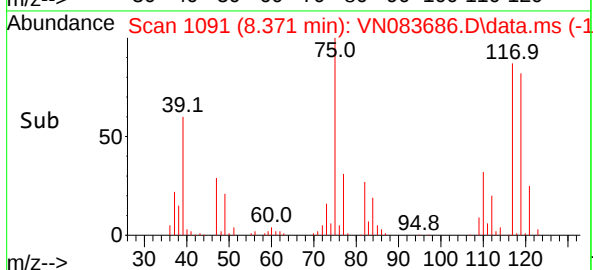
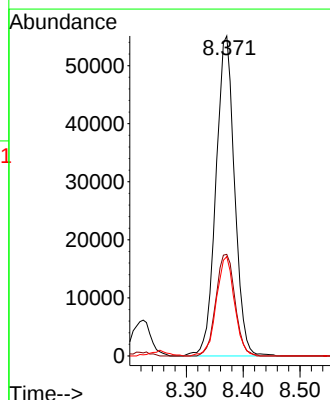
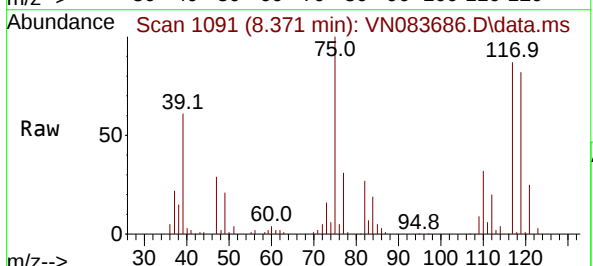
RT: 8.371 min Scan# 1091

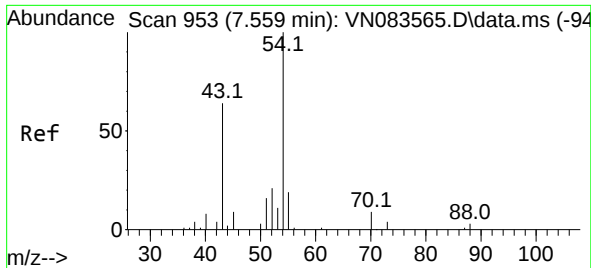
Delta R.T. 0.000 min

Lab File: VN083686.D

Acq: 05 Sep 2024 19:27

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 125565 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 110       | 32.6  | 16.7  | 50.1   |
| 77        | 30.3  | 25.2  | 37.8   |

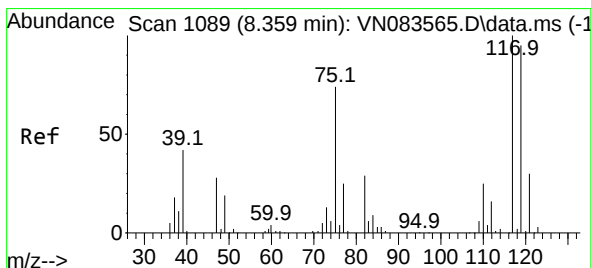
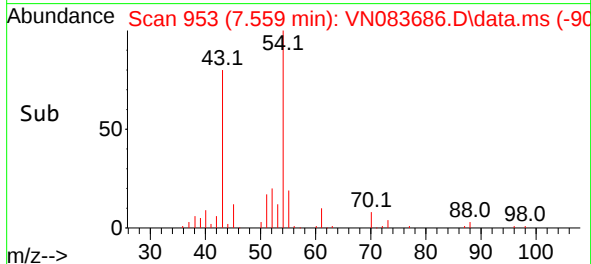
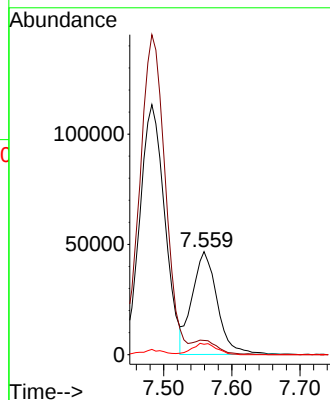
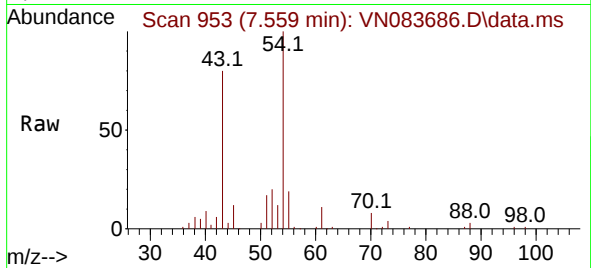




#37  
Ethyl Acetate  
Concen: 47.422 ug/l  
RT: 7.559 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VN083686.D  
Acq: 05 Sep 2024 19:27

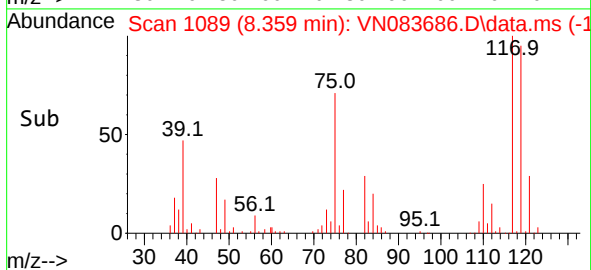
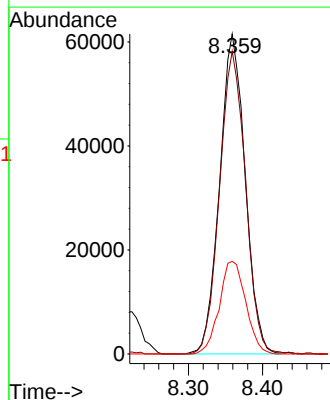
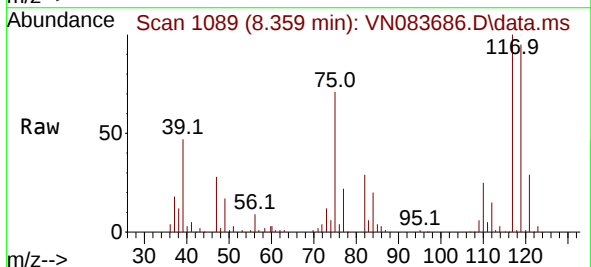
Instrument :  
MSVOA\_N  
ClientSampleId :

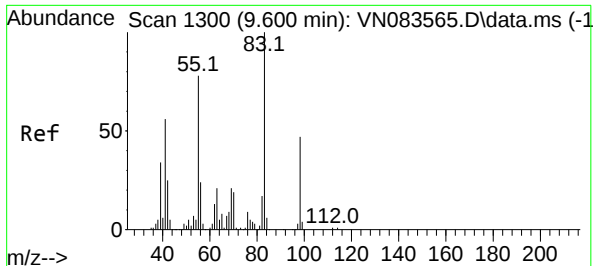
Tgt Ion: 43 Resp: 118601  
Ion Ratio Lower Upper  
43 100  
61 11.6 11.1 16.7  
70 10.8 8.8 13.2



#38  
Carbon Tetrachloride  
Concen: 51.291 ug/l  
RT: 8.359 min Scan# 1089  
Delta R.T. 0.000 min  
Lab File: VN083686.D  
Acq: 05 Sep 2024 19:27

Tgt Ion: 117 Resp: 147060  
Ion Ratio Lower Upper  
117 100  
119 94.6 76.1 114.1  
121 28.9 24.1 36.1





#39

Methylcyclohexane

Concen: 49.023 ug/l

RT: 9.600 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN083686.D

Acq: 05 Sep 2024 19:27

Instrument :

MSVOA\_N

ClientSampleId :

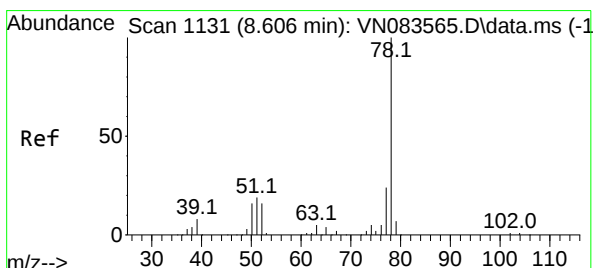
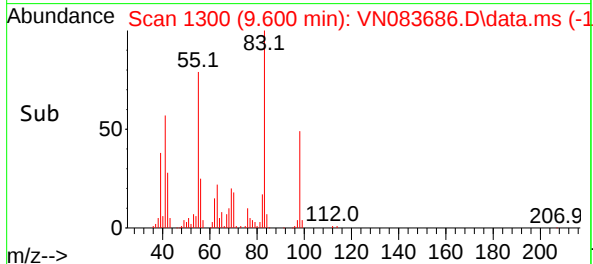
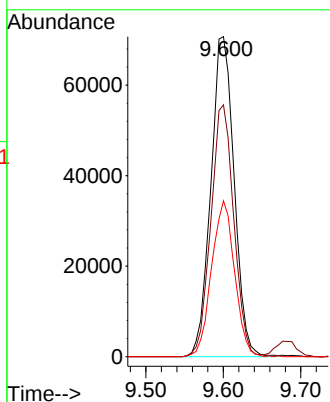
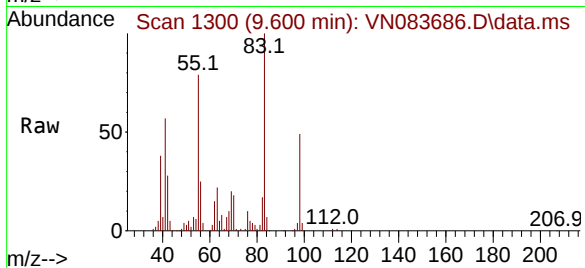
Tgt Ion: 83 Resp: 147829

Ion Ratio Lower Upper

83 100

55 78.7 62.2 93.4

98 48.7 37.6 56.4



#40

Benzene

Concen: 50.019 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VN083686.D

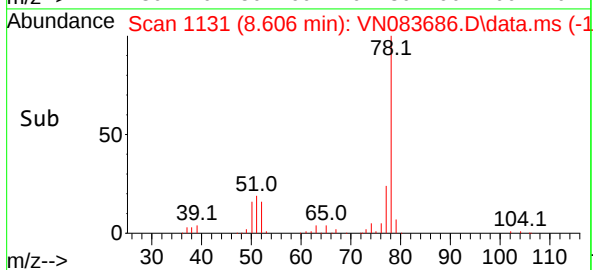
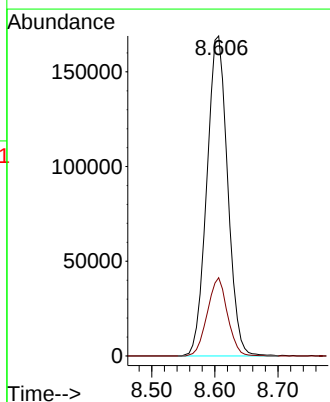
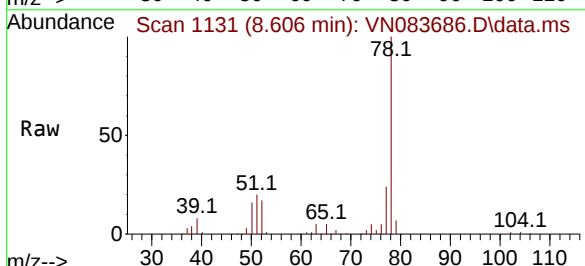
Acq: 05 Sep 2024 19:27

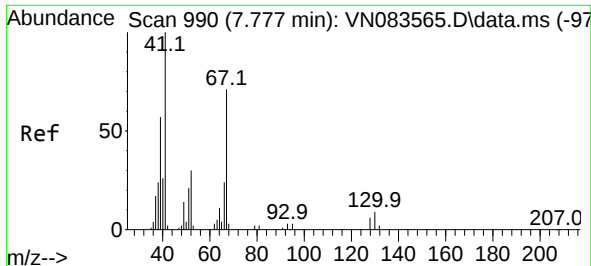
Tgt Ion: 78 Resp: 386662

Ion Ratio Lower Upper

78 100

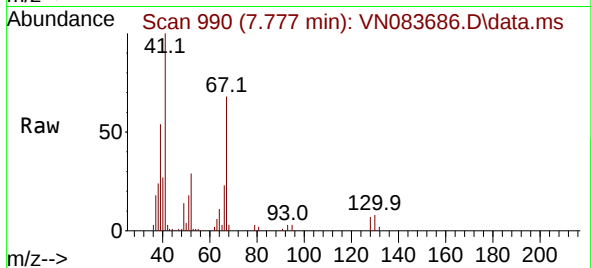
77 24.4 19.0 28.6



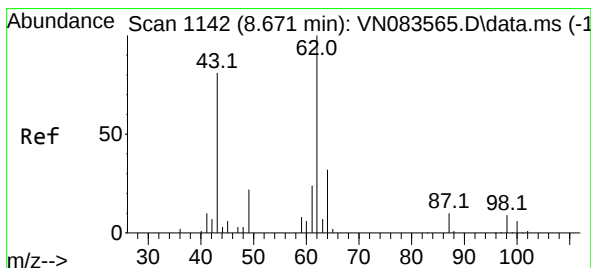
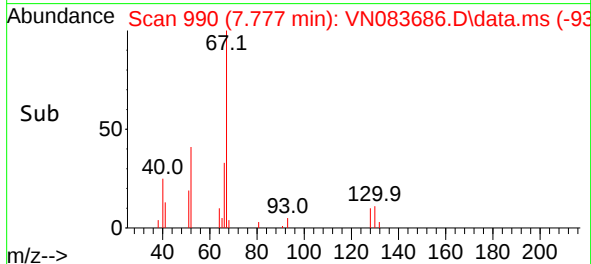
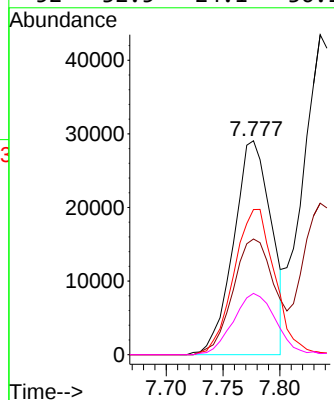


#41  
Methacrylonitrile  
Concen: 46.905 ug/l  
RT: 7.777 min Scan# 990  
Delta R.T. 0.000 min  
Lab File: VN083686.D  
Acq: 05 Sep 2024 19:27

Instrument :  
MSVOA\_N  
ClientSampleId :

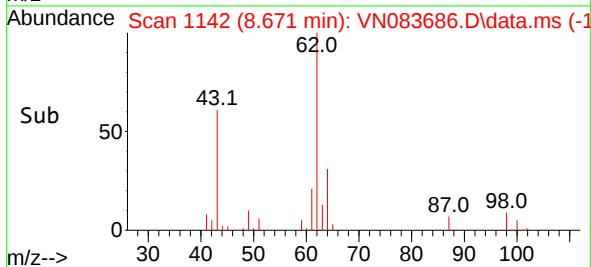
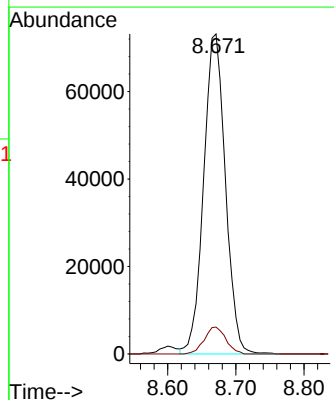
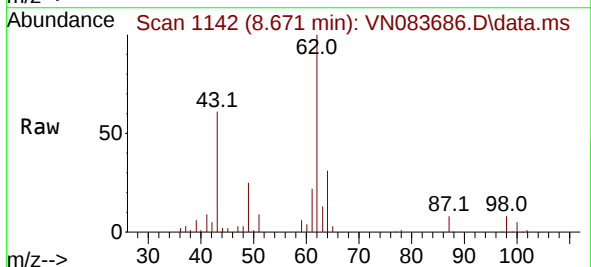


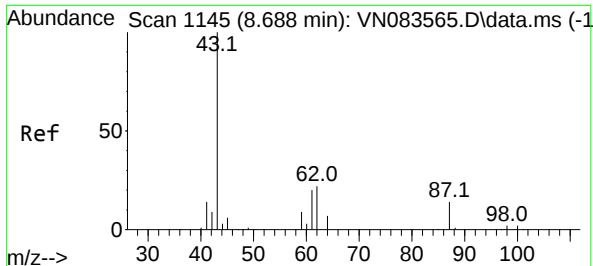
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 66942 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 60.4  | 45.4  | 68.2  |
| 67       | 73.9  | 55.9  | 83.9  |
| 52       | 32.5  | 24.1  | 36.1  |



#42  
1,2-Dichloroethane  
Concen: 56.742 ug/l  
RT: 8.671 min Scan# 1142  
Delta R.T. 0.000 min  
Lab File: VN083686.D  
Acq: 05 Sep 2024 19:27

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 162595 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 8.3   | 0.0   | 16.6   |

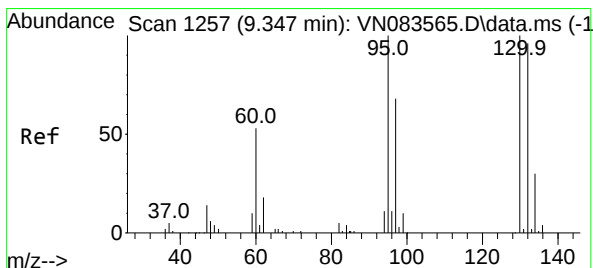
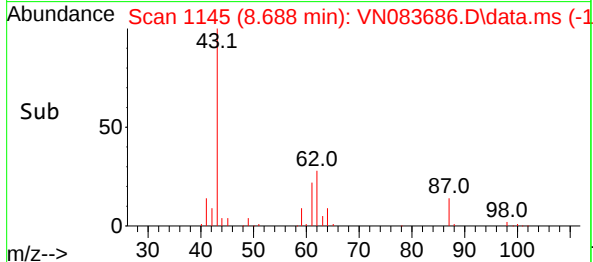
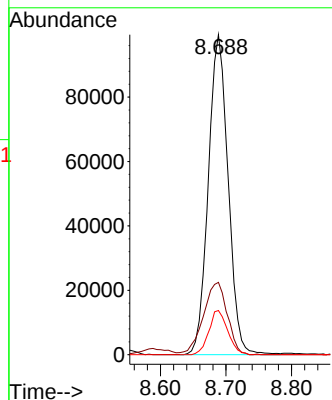
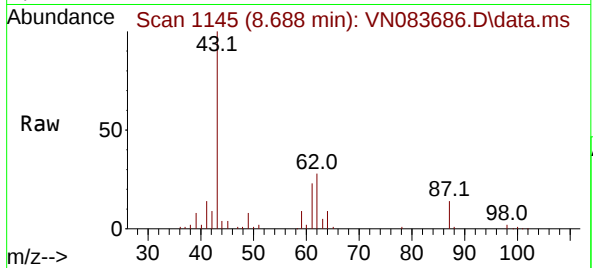




#43  
Isopropyl Acetate  
Concen: 41.390 ug/l  
RT: 8.688 min Scan# 1145  
Delta R.T. 0.000 min  
Lab File: VN083686.D  
Acq: 05 Sep 2024 19:27

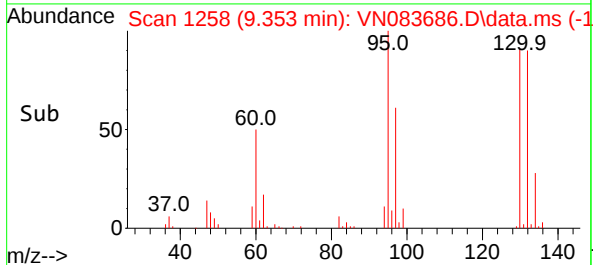
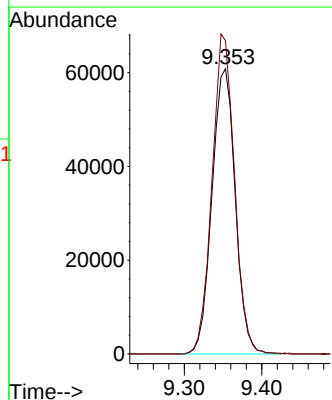
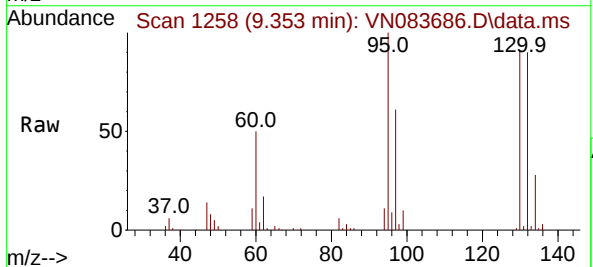
Instrument :  
MSVOA\_N  
ClientSampleId :

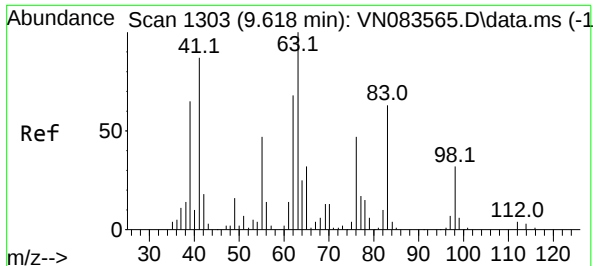
Tgt Ion: 43 Resp: 208744  
Ion Ratio Lower Upper  
43 100  
61 27.3 19.4 29.0  
87 13.1 9.8 14.6



#44  
Trichloroethene  
Concen: 68.325 ug/l  
RT: 9.353 min Scan# 1258  
Delta R.T. 0.006 min  
Lab File: VN083686.D  
Acq: 05 Sep 2024 19:27

Tgt Ion:130 Resp: 127057  
Ion Ratio Lower Upper  
130 100  
95 109.8 0.0 200.4





#45

1,2-Dichloropropane

Concen: 51.159 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. 0.000 min

Lab File: VN083686.D

Acq: 05 Sep 2024 19:27

Instrument :

MSVOA\_N

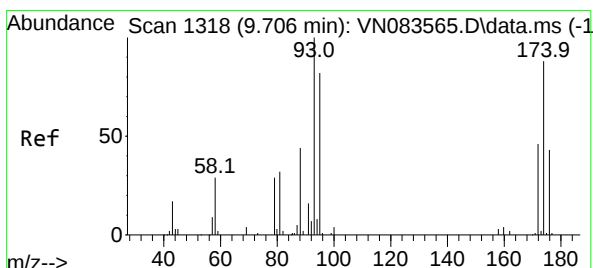
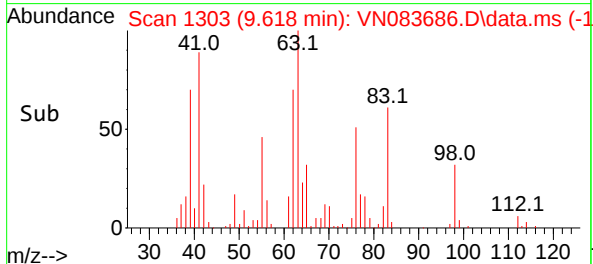
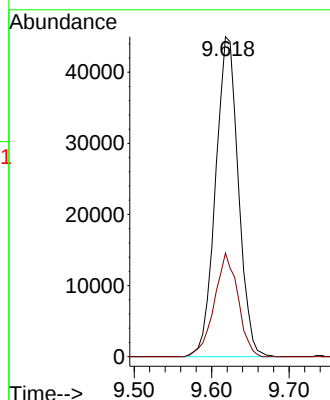
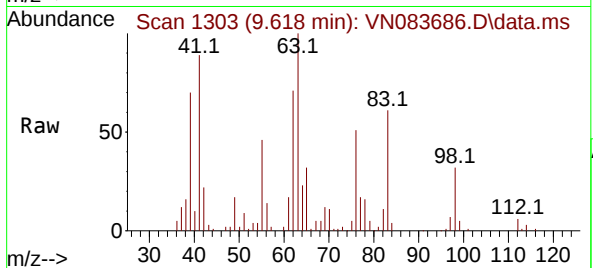
ClientSampleId :

Tgt Ion: 63 Resp: 92126

Ion Ratio Lower Upper

63 100

65 32.4 25.9 38.9



#46

Dibromomethane

Concen: 51.231 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. 0.000 min

Lab File: VN083686.D

Acq: 05 Sep 2024 19:27

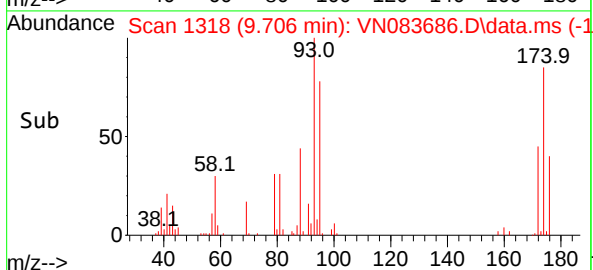
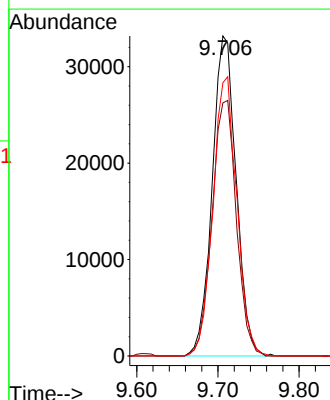
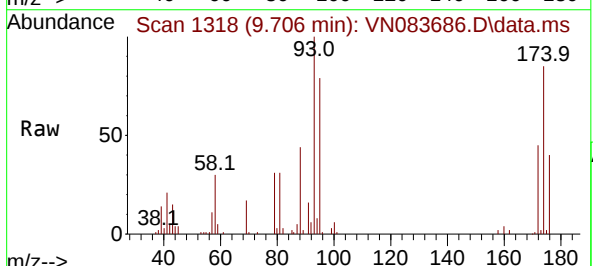
Tgt Ion: 93 Resp: 68062

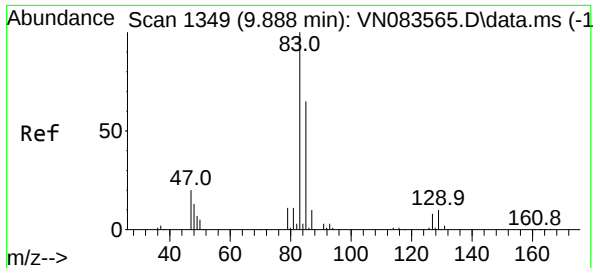
Ion Ratio Lower Upper

93 100

95 81.4 65.3 97.9

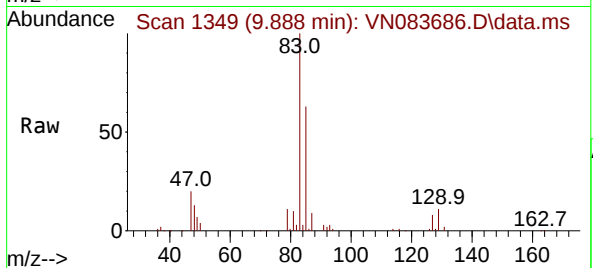
174 87.0 71.0 106.4



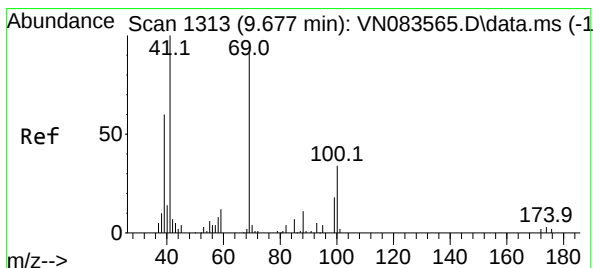
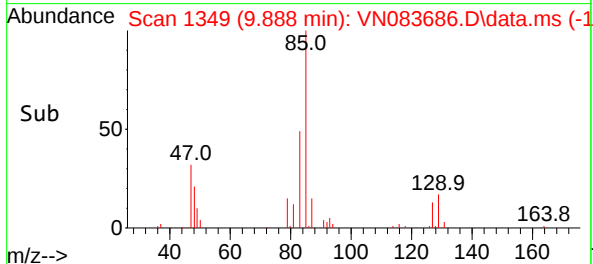
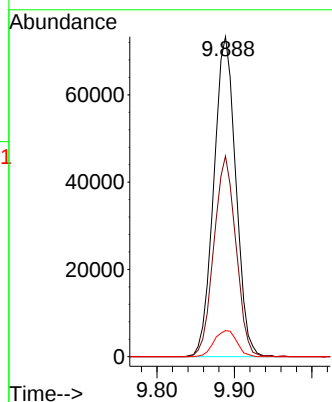


#47  
Bromodichloromethane  
Concen: 51.140 ug/l  
RT: 9.888 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN083686.D  
Acq: 05 Sep 2024 19:27

Instrument :  
MSVOA\_N  
ClientSampleId :

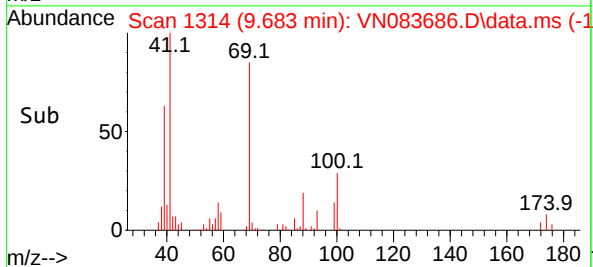
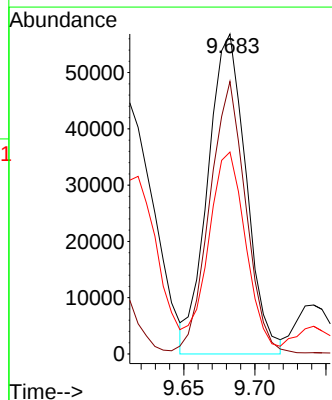
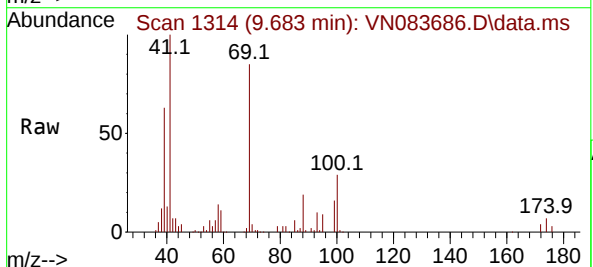


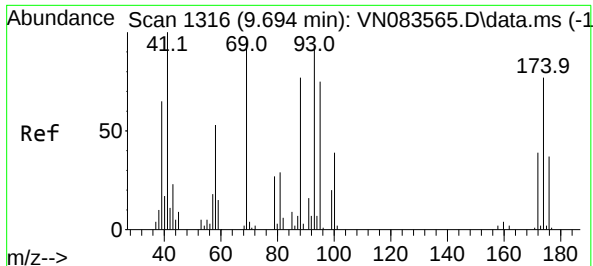
Tgt Ion: 83 Resp: 144627  
Ion Ratio Lower Upper  
83 100  
85 62.7 51.8 77.8  
127 8.1 6.6 9.8



#48  
Methyl methacrylate  
Concen: 52.049 ug/l  
RT: 9.683 min Scan# 1314  
Delta R.T. 0.006 min  
Lab File: VN083686.D  
Acq: 05 Sep 2024 19:27

Tgt Ion: 41 Resp: 106769  
Ion Ratio Lower Upper  
41 100  
69 79.7 64.3 96.5  
39 62.8 48.9 73.3





#49

1,4-Dioxane

Concen: 1162.195 ug/l

RT: 9.700 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN083686.D

Acq: 05 Sep 2024 19:27

Instrument :

MSVOA\_N

ClientSampleId :

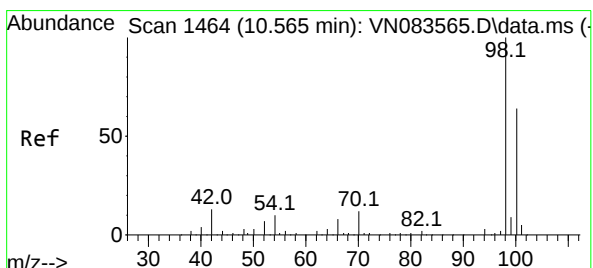
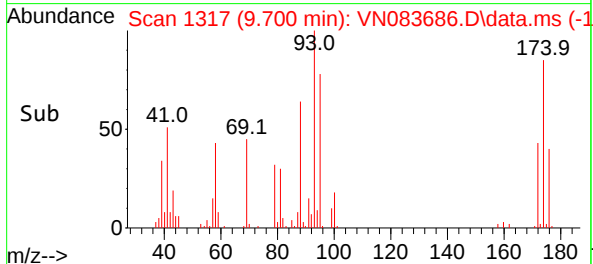
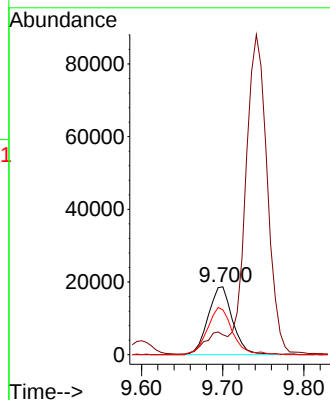
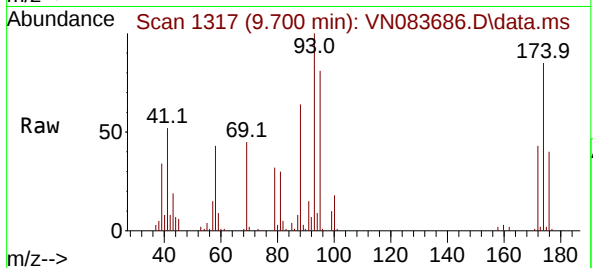
Tgt Ion: 88 Resp: 39064

Ion Ratio Lower Upper

88 100

43 29.8 0.0 0.0#

58 71.2 57.1 85.7



#50

Toluene-d8

Concen: 48.437 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN083686.D

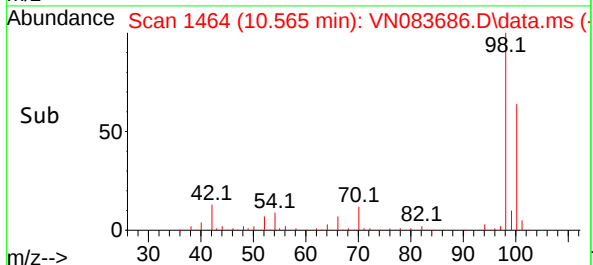
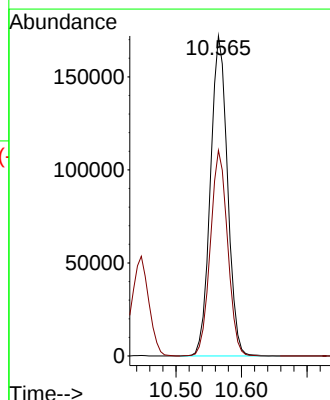
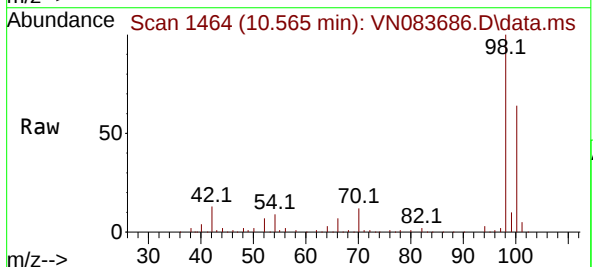
Acq: 05 Sep 2024 19:27

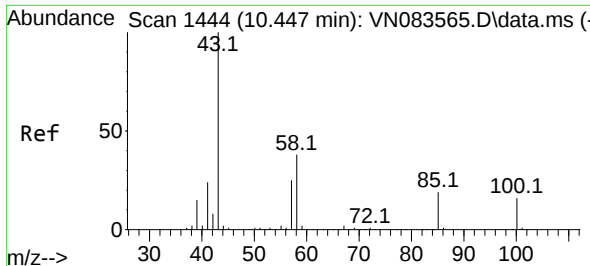
Tgt Ion: 98 Resp: 310876

Ion Ratio Lower Upper

98 100

100 64.7 52.0 78.0

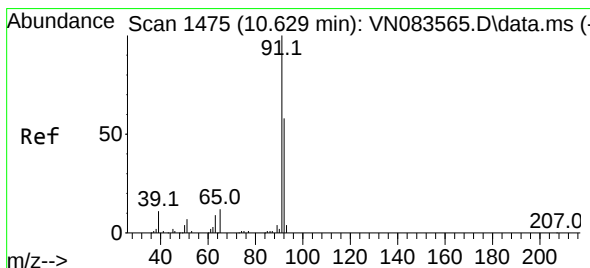
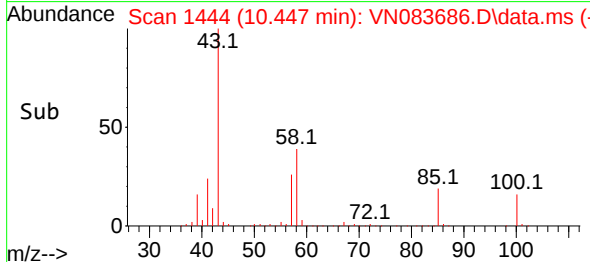
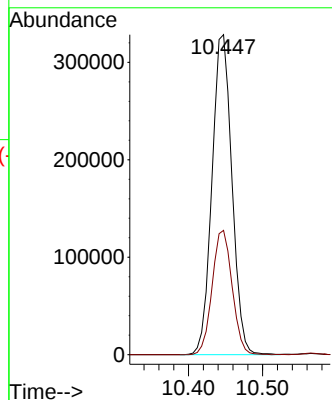
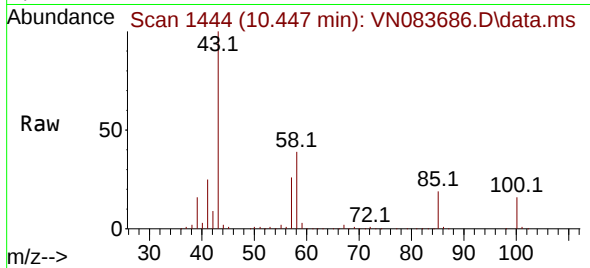




#51  
4-Methyl-2-Pentanone  
Concen: 263.984 ug/l  
RT: 10.447 min Scan# 1444  
Delta R.T. 0.000 min  
Lab File: VN083686.D  
Acq: 05 Sep 2024 19:27

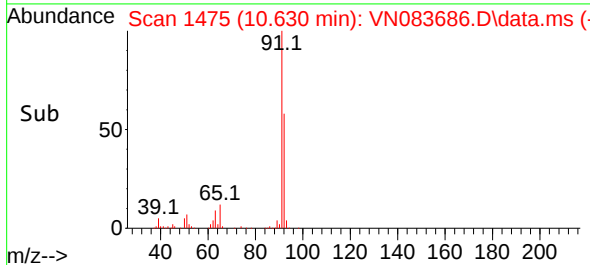
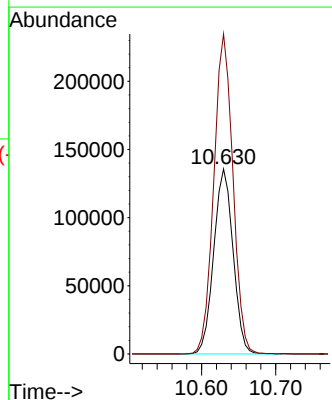
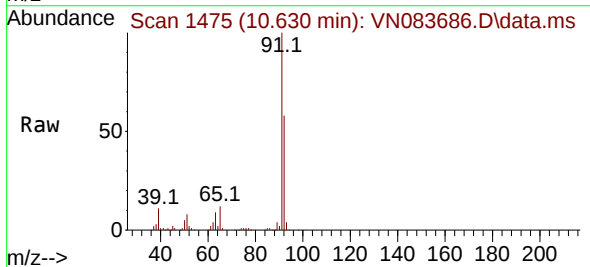
Instrument :  
MSVOA\_N  
ClientSampleId :

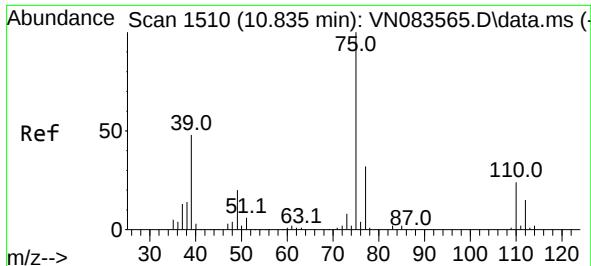
Tgt Ion: 43 Resp: 613791  
Ion Ratio Lower Upper  
43 100  
58 38.9 31.6 47.4



#52  
Toluene  
Concen: 50.804 ug/l  
RT: 10.630 min Scan# 1475  
Delta R.T. 0.000 min  
Lab File: VN083686.D  
Acq: 05 Sep 2024 19:27

Tgt Ion: 92 Resp: 245621  
Ion Ratio Lower Upper  
92 100  
91 171.3 134.7 202.1

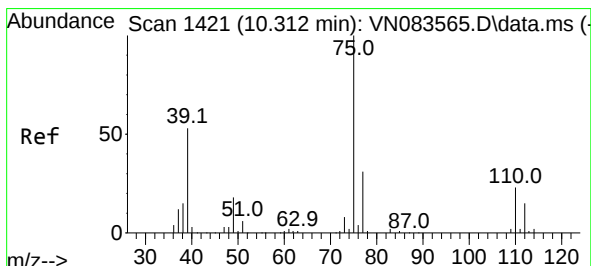
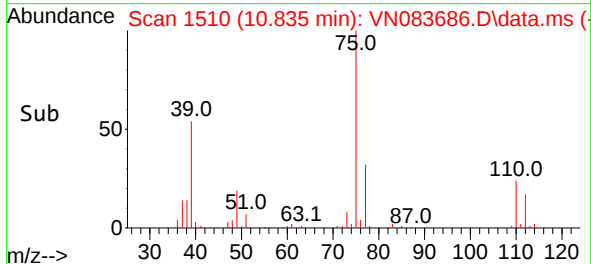
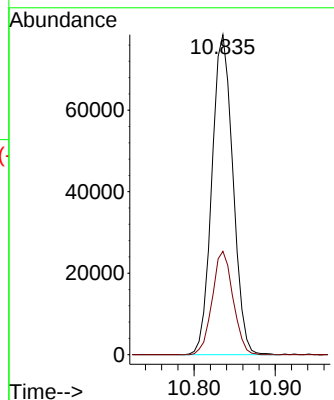
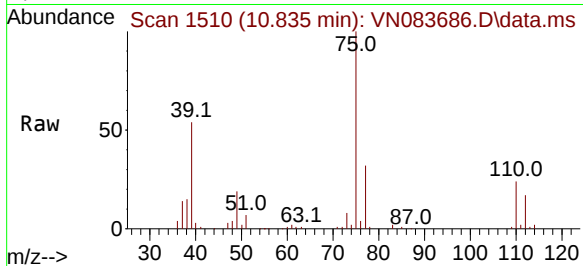




#53  
t-1,3-Dichloropropene  
Concen: 48.291 ug/l  
RT: 10.835 min Scan# 1510  
Delta R.T. 0.000 min  
Lab File: VN083686.D  
Acq: 05 Sep 2024 19:27

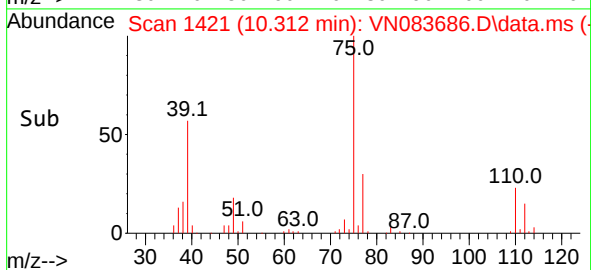
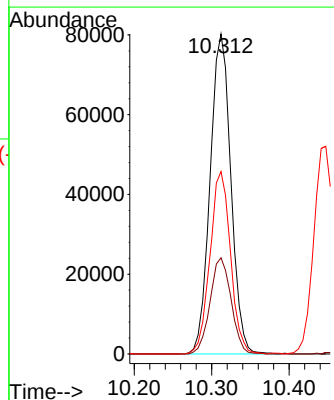
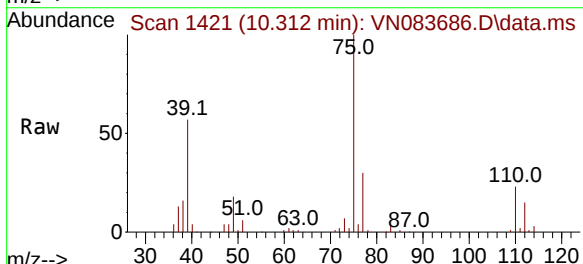
Instrument :  
MSVOA\_N  
ClientSampleId :

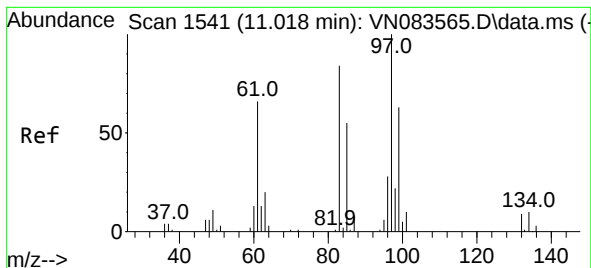
Tgt Ion: 75 Resp: 141380  
Ion Ratio Lower Upper  
75 100  
77 32.3 25.8 38.6



#54  
cis-1,3-Dichloropropene  
Concen: 48.593 ug/l  
RT: 10.312 min Scan# 1421  
Delta R.T. 0.000 min  
Lab File: VN083686.D  
Acq: 05 Sep 2024 19:27

Tgt Ion: 75 Resp: 149324  
Ion Ratio Lower Upper  
75 100  
77 30.1 25.0 37.6  
39 57.0 42.6 64.0





#55

1,1,2-Trichloroethane

Concen: 50.421 ug/l

RT: 11.018 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN083686.D

Acq: 05 Sep 2024 19:27

Instrument :

MSVOA\_N

ClientSampleId :

Tgt Ion: 97 Resp: 87007

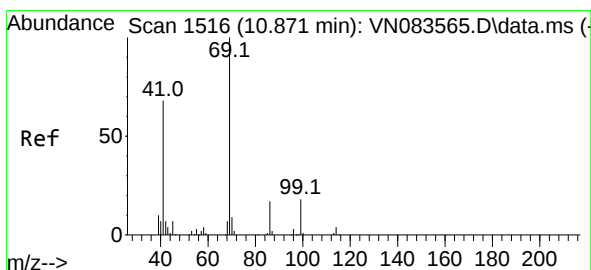
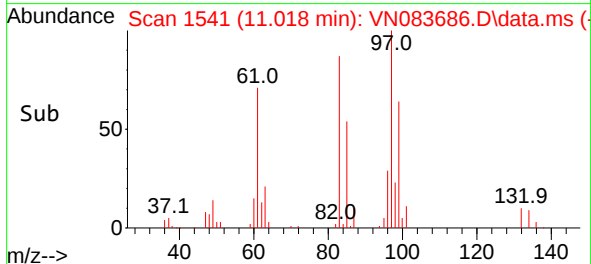
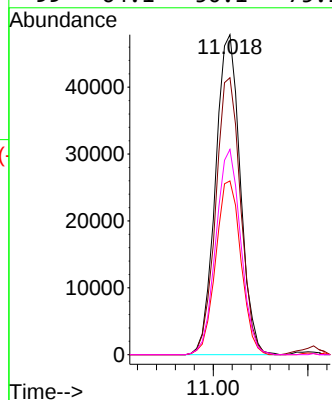
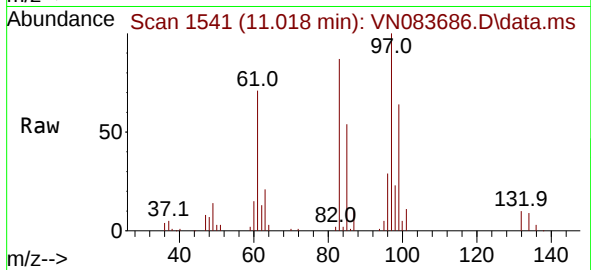
Ion Ratio Lower Upper

97 100

83 86.6 67.5 101.3

85 54.3 44.2 66.2

99 64.1 50.1 75.1



#56

Ethyl methacrylate

Concen: 51.670 ug/l

RT: 10.877 min Scan# 1517

Delta R.T. 0.006 min

Lab File: VN083686.D

Acq: 05 Sep 2024 19:27

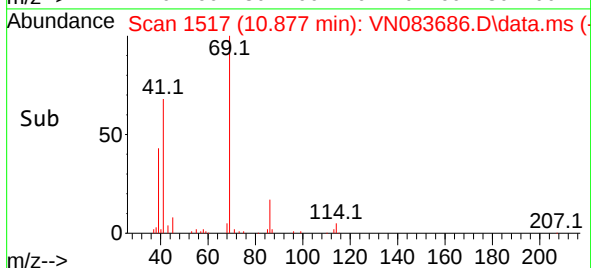
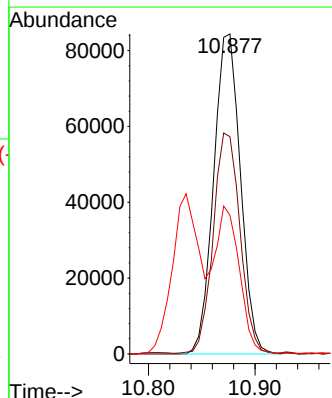
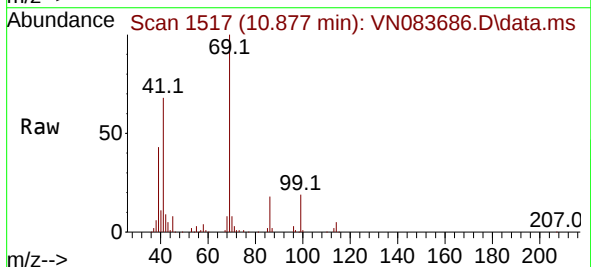
Tgt Ion: 69 Resp: 147502

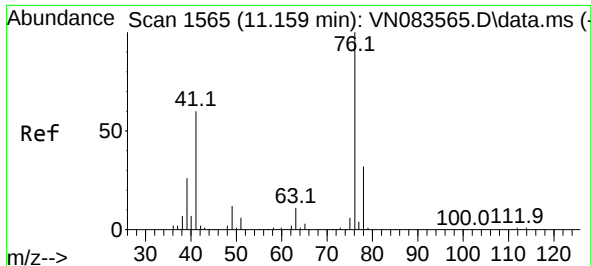
Ion Ratio Lower Upper

69 100

41 68.6 53.9 80.9

39 43.8 32.6 48.8





#57

1,3-Dichloropropane

Concen: 50.548 ug/l

RT: 11.165 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN083686.D

Acq: 05 Sep 2024 19:27

Instrument :

MSVOA\_N

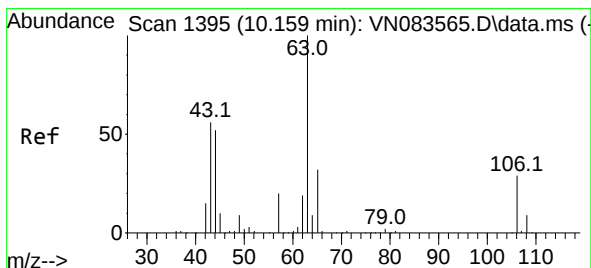
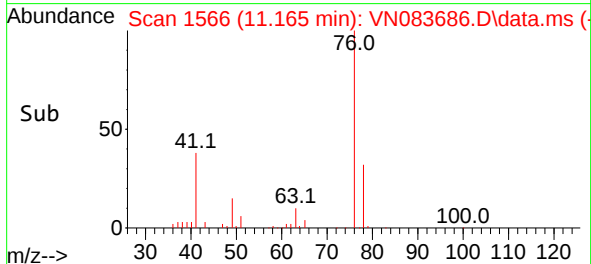
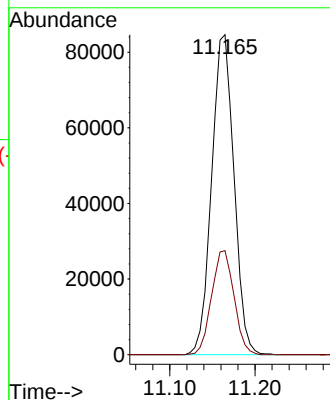
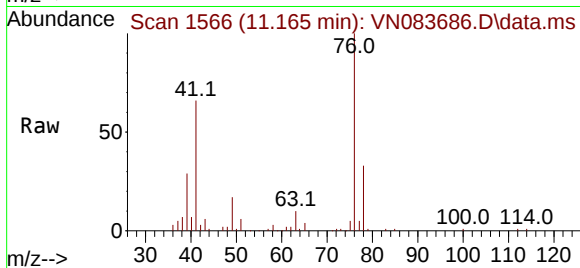
ClientSampleId :

Tgt Ion: 76 Resp: 154425

Ion Ratio Lower Upper

76 100

78 32.6 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 0.352 ug/l

RT: 10.206 min Scan# 1403

Delta R.T. 0.047 min

Lab File: VN083686.D

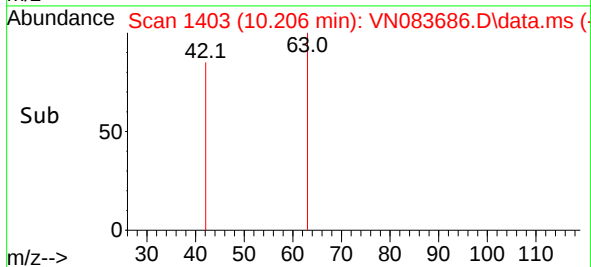
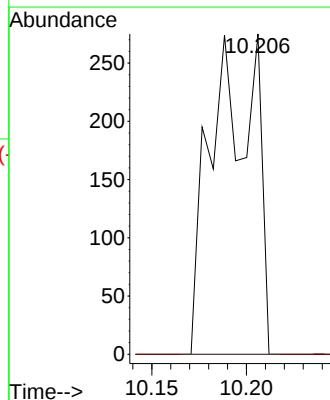
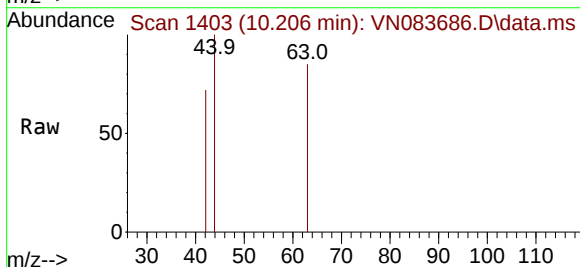
Acq: 05 Sep 2024 19:27

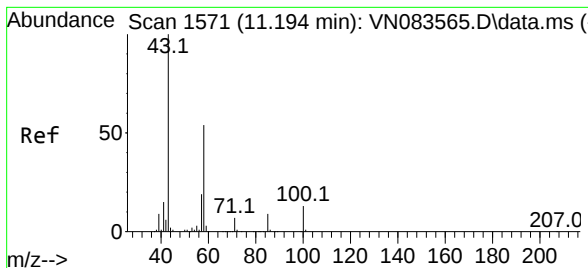
Tgt Ion: 63 Resp: 437

Ion Ratio Lower Upper

63 100

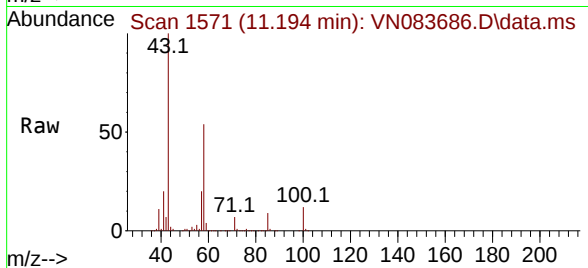
106 0.0 23.3 34.9#



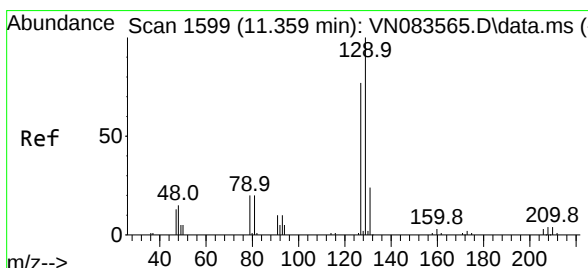
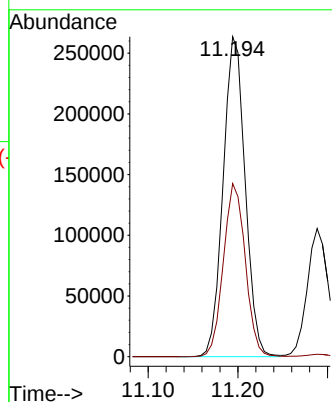
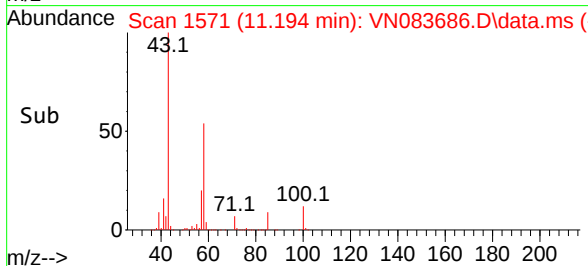


#59  
2-Hexanone  
Concen: 257.495 ug/l  
RT: 11.194 min Scan# 1571  
Delta R.T. 0.000 min  
Lab File: VN083686.D  
Acq: 05 Sep 2024 19:27

Instrument :  
MSVOA\_N  
ClientSampleId :

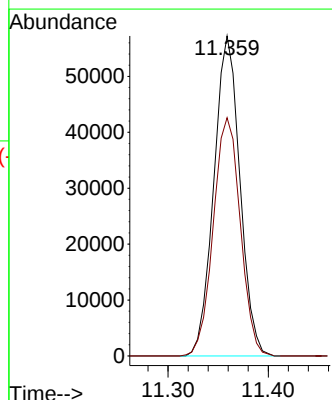
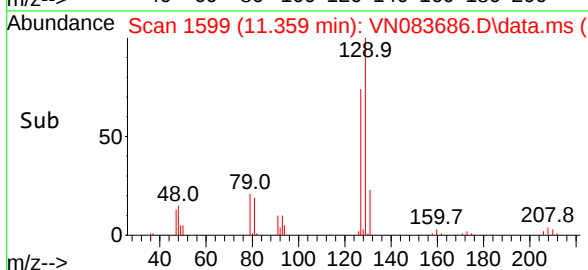
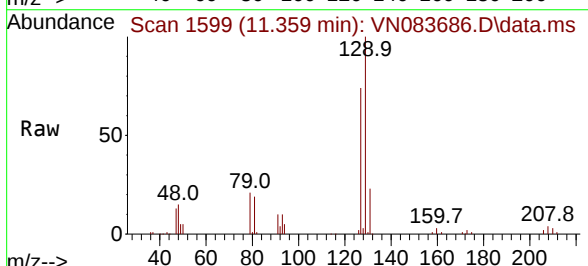


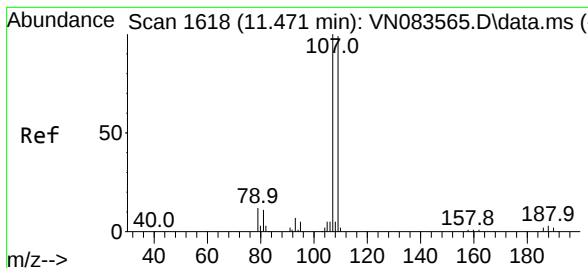
Tgt Ion: 43 Resp: 449312  
Ion Ratio Lower Upper  
43 100  
58 53.8 27.2 81.5



#60  
Dibromochloromethane  
Concen: 51.642 ug/l  
RT: 11.359 min Scan# 1599  
Delta R.T. 0.000 min  
Lab File: VN083686.D  
Acq: 05 Sep 2024 19:27

Tgt Ion:129 Resp: 103258  
Ion Ratio Lower Upper  
129 100  
127 77.2 39.0 116.9

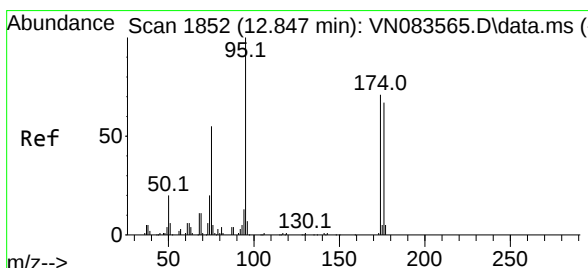
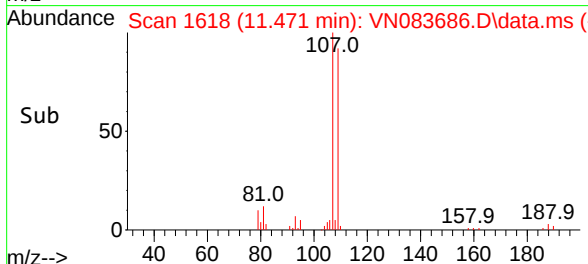
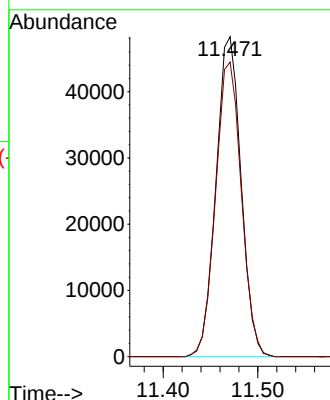
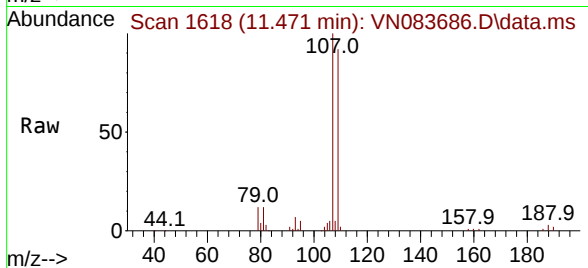




#61  
1,2-Dibromoethane  
Concen: 50.389 ug/l  
RT: 11.471 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN083686.D  
Acq: 05 Sep 2024 19:27

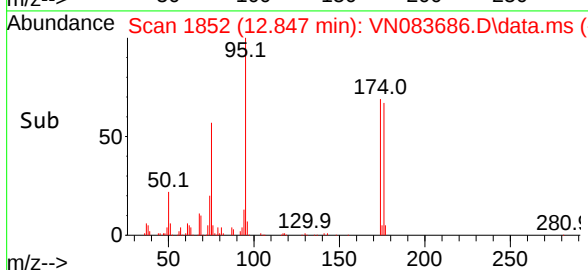
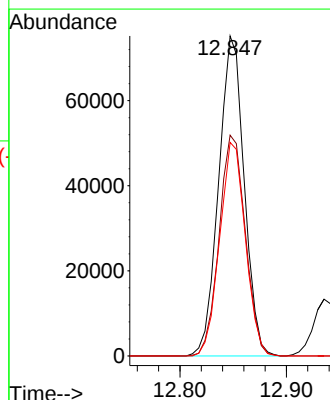
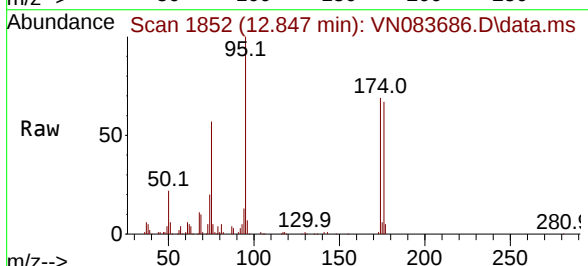
Instrument :  
MSVOA\_N  
ClientSampleId :

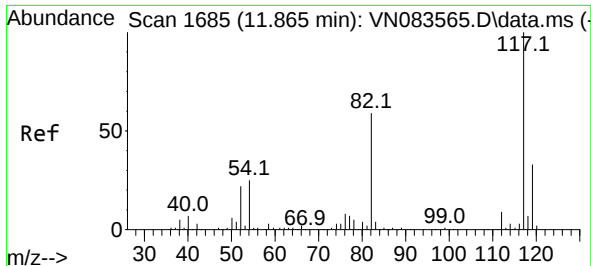
Tgt Ion:107 Resp: 88836  
Ion Ratio Lower Upper  
107 100  
109 94.6 75.6 113.4



#62  
4-Bromofluorobenzene  
Concen: 52.520 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.000 min  
Lab File: VN083686.D  
Acq: 05 Sep 2024 19:27

Tgt Ion: 95 Resp: 124822  
Ion Ratio Lower Upper  
95 100  
174 70.9 0.0 139.8  
176 67.3 0.0 131.4

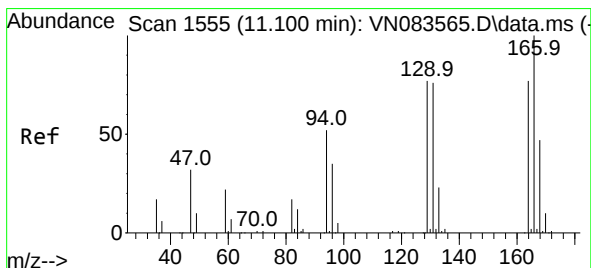
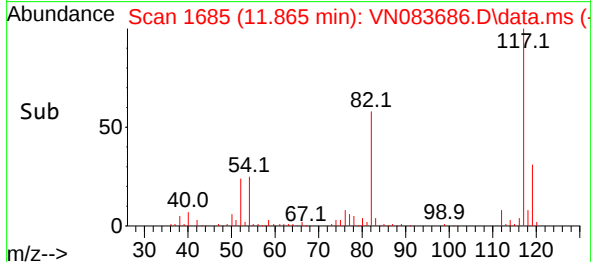
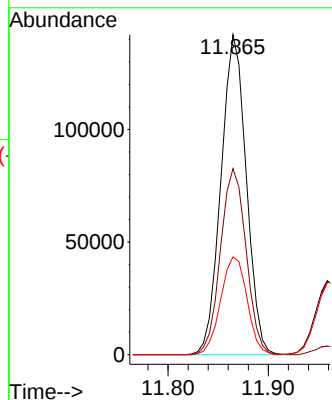
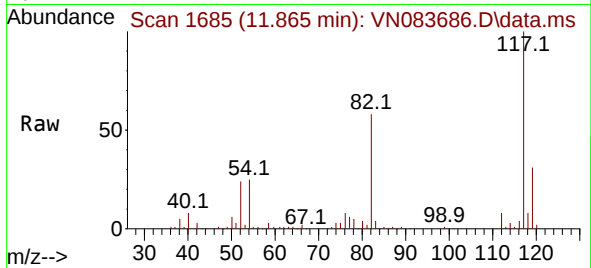




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VN083686.D  
Acq: 05 Sep 2024 19:27

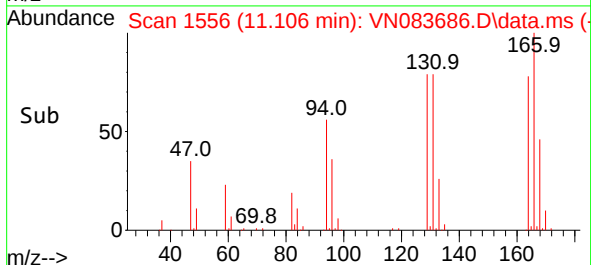
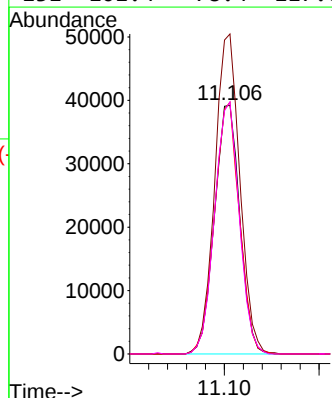
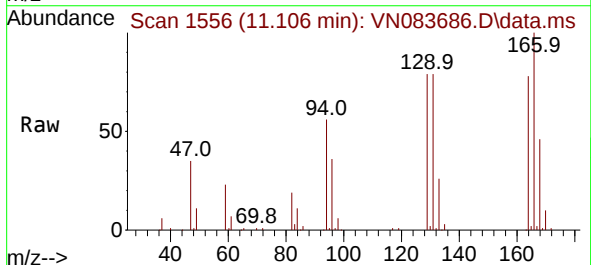
Instrument :  
MSVOA\_N  
ClientSampleId :

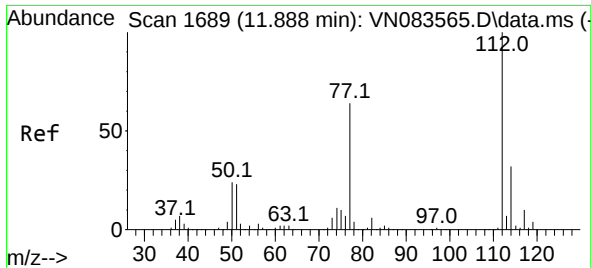
Tgt Ion:117 Resp: 248991  
Ion Ratio Lower Upper  
117 100  
82 58.2 47.4 71.0  
119 30.6 26.3 39.5



#64  
Tetrachloroethene  
Concen: 44.456 ug/l  
RT: 11.106 min Scan# 1556  
Delta R.T. 0.006 min  
Lab File: VN083686.D  
Acq: 05 Sep 2024 19:27

Tgt Ion:164 Resp: 72757  
Ion Ratio Lower Upper  
164 100  
166 128.7 103.7 155.5  
129 101.3 79.9 119.9  
131 101.4 78.4 117.6

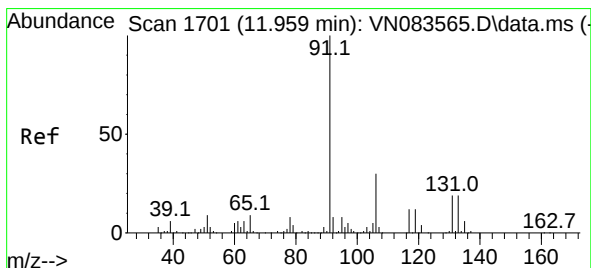
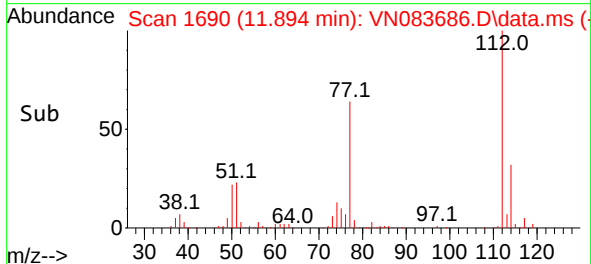
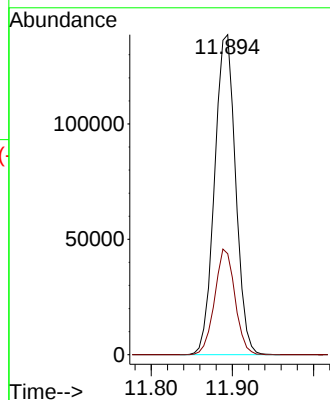
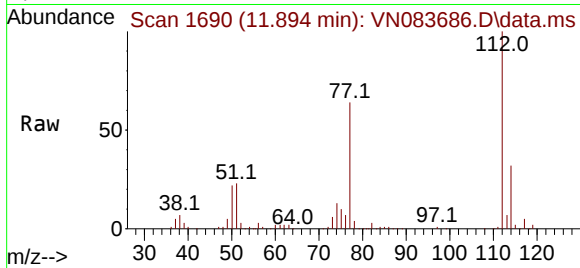




#65  
Chlorobenzene  
Concen: 44.722 ug/l  
RT: 11.894 min Scan# 111  
Delta R.T. 0.006 min  
Lab File: VN083686.D  
Acq: 05 Sep 2024 19:27

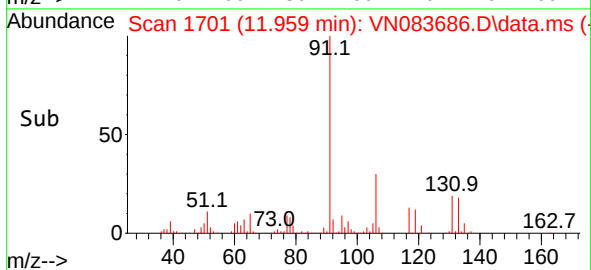
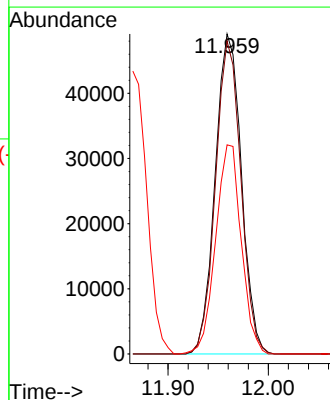
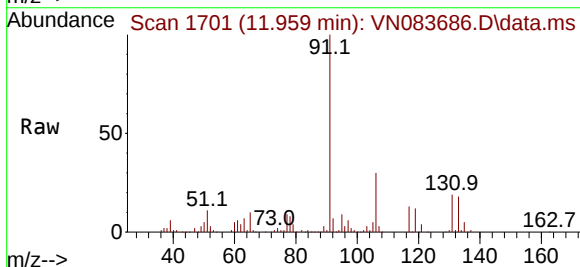
Instrument :  
MSVOA\_N  
ClientSampleId :

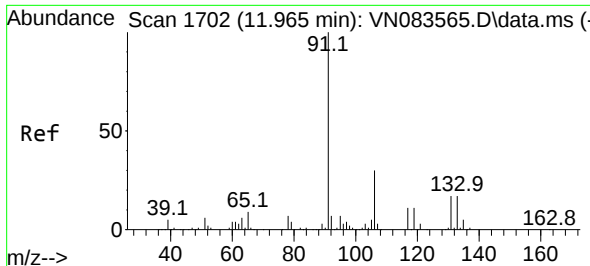
Tgt Ion:112 Resp: 249727  
Ion Ratio Lower Upper  
112 100  
114 31.6 25.7 38.5



#66  
1,1,1,2-Tetrachloroethane  
Concen: 47.336 ug/l  
RT: 11.959 min Scan# 1701  
Delta R.T. 0.000 min  
Lab File: VN083686.D  
Acq: 05 Sep 2024 19:27

Tgt Ion:131 Resp: 89242  
Ion Ratio Lower Upper  
131 100  
133 94.8 47.5 142.6  
119 63.9 31.6 94.8

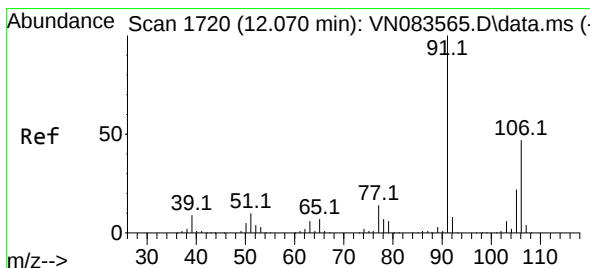
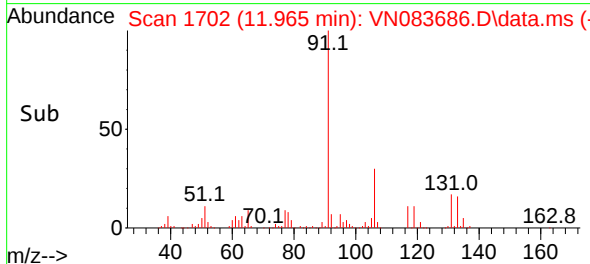
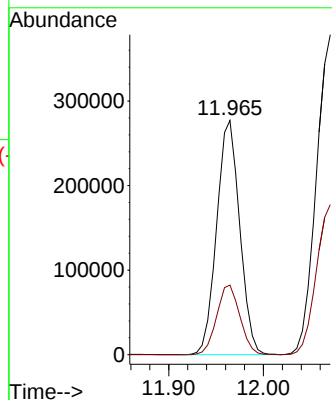
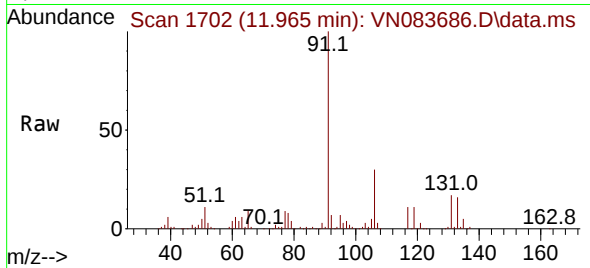




#67  
Ethyl Benzene  
Concen: 46.977 ug/l  
RT: 11.965 min Scan# 1702  
Delta R.T. 0.000 min  
Lab File: VN083686.D  
Acq: 05 Sep 2024 19:27

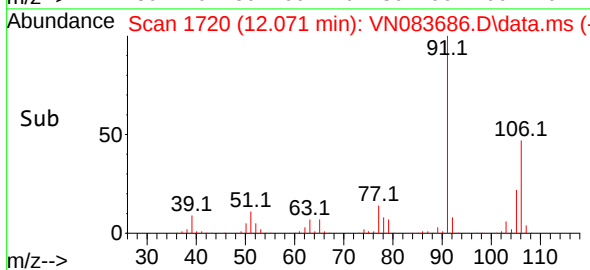
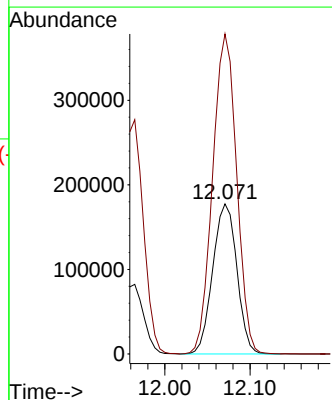
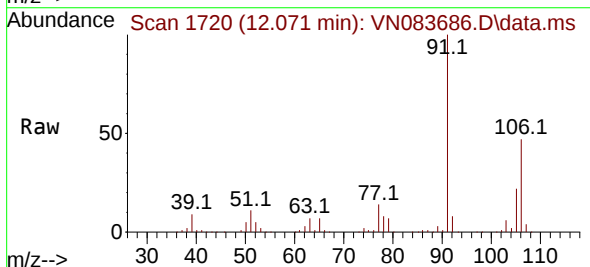
Instrument :  
MSVOA\_N  
ClientSampleId :

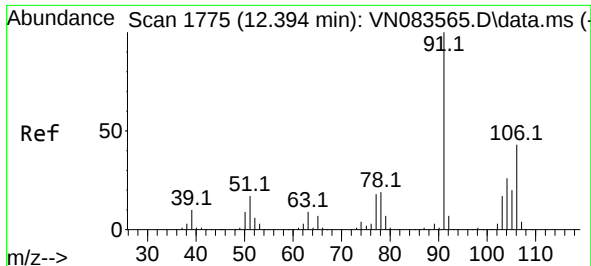
Tgt Ion: 91 Resp: 468246  
Ion Ratio Lower Upper  
91 100  
106 29.7 24.3 36.5



#68  
m/p-Xylenes  
Concen: 92.881 ug/l  
RT: 12.071 min Scan# 1720  
Delta R.T. 0.000 min  
Lab File: VN083686.D  
Acq: 05 Sep 2024 19:27

Tgt Ion:106 Resp: 348765  
Ion Ratio Lower Upper  
106 100  
91 212.4 169.2 253.8

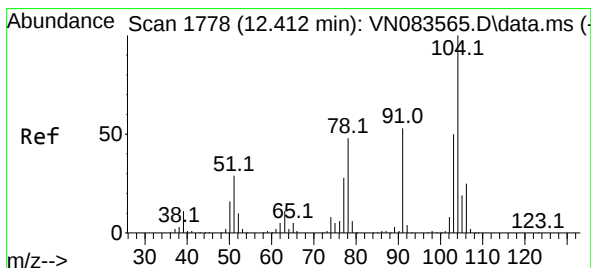
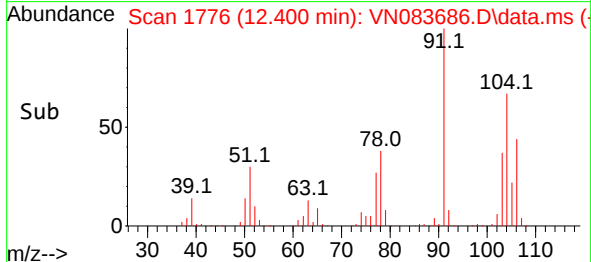
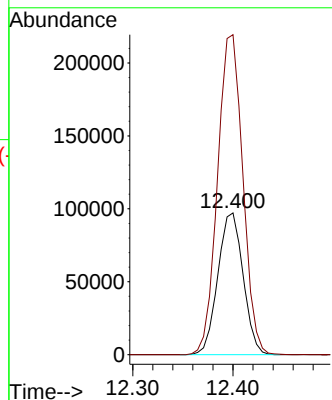
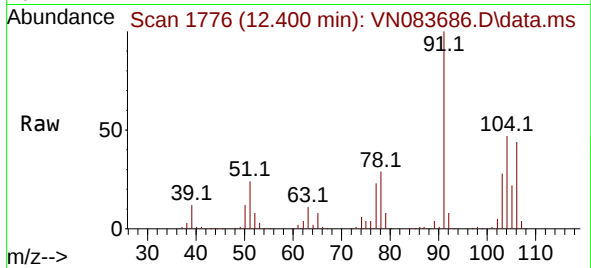




#69  
o-Xylene  
Concen: 46.843 ug/l  
RT: 12.400 min Scan# 1776  
Delta R.T. 0.006 min  
Lab File: VN083686.D  
Acq: 05 Sep 2024 19:27

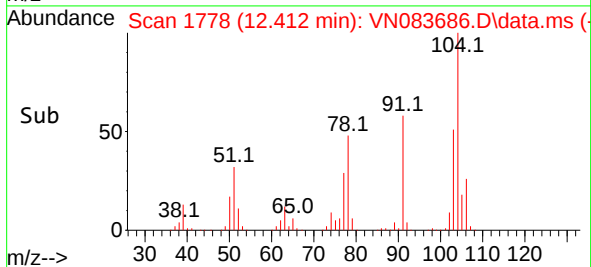
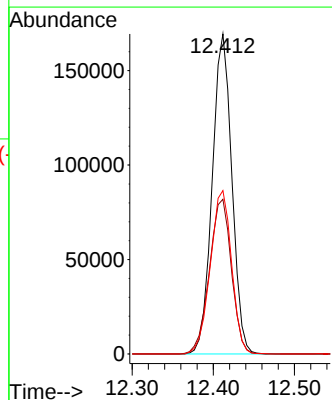
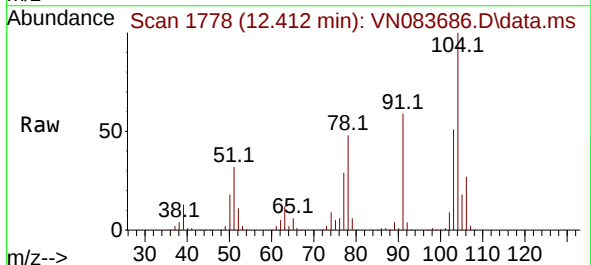
Instrument :  
MSVOA\_N  
ClientSampleId :

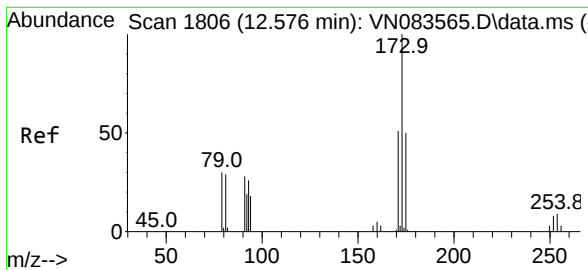
Tgt Ion:106 Resp: 170002  
Ion Ratio Lower Upper  
106 100  
91 226.2 112.9 338.6



#70  
Styrene  
Concen: 46.582 ug/l  
RT: 12.412 min Scan# 1778  
Delta R.T. 0.000 min  
Lab File: VN083686.D  
Acq: 05 Sep 2024 19:27

Tgt Ion:104 Resp: 284252  
Ion Ratio Lower Upper  
104 100  
78 54.4 43.3 64.9  
103 55.3 43.4 65.2





#71

Bromoform

Concen: 49.262 ug/l

RT: 12.582 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN083686.D

Acq: 05 Sep 2024 19:27

Instrument :

MSVOA\_N

ClientSampleId :

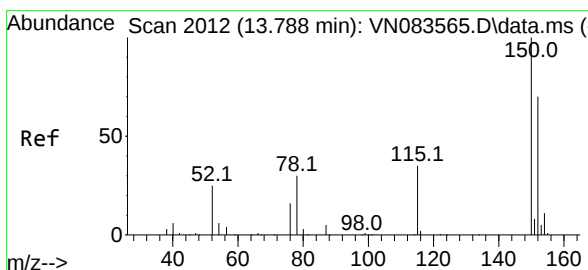
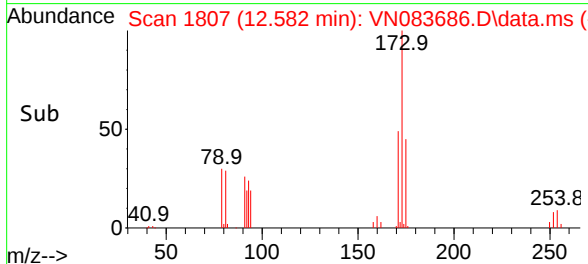
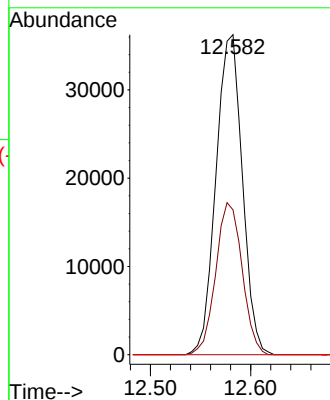
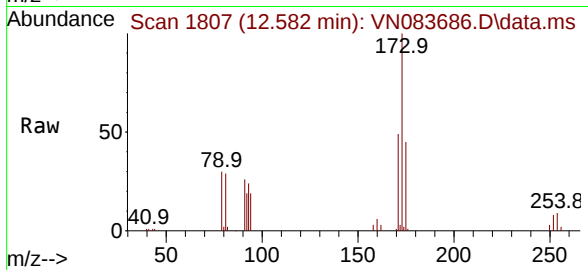
Tgt Ion:173 Resp: 66152

Ion Ratio Lower Upper

173 100

175 47.6 24.1 72.2

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.006 min

Lab File: VN083686.D

Acq: 05 Sep 2024 19:27

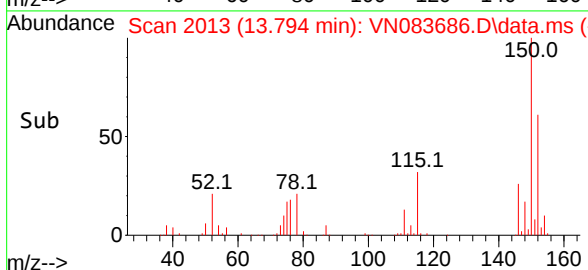
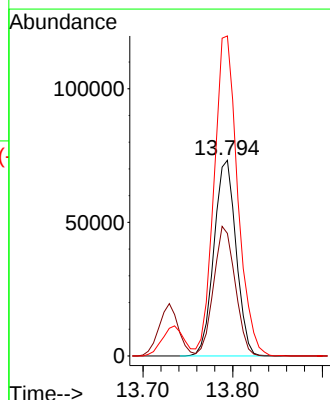
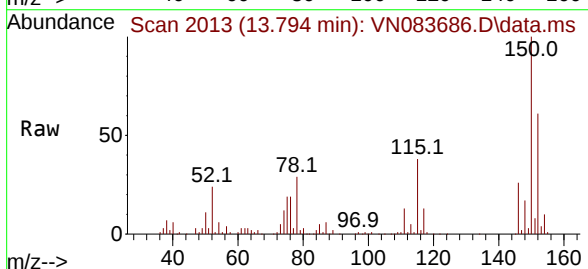
Tgt Ion:152 Resp: 125253

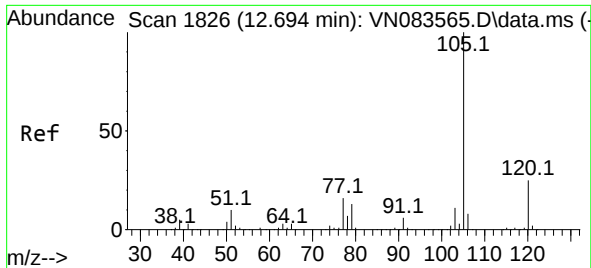
Ion Ratio Lower Upper

152 100

115 64.6 32.2 96.6

150 173.9 0.0 348.6

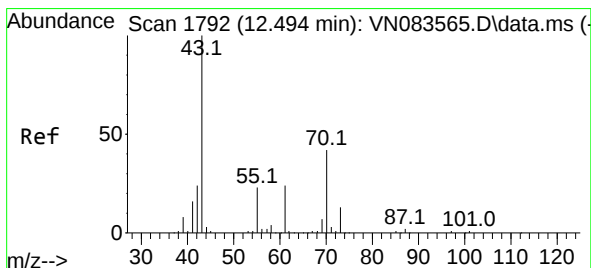
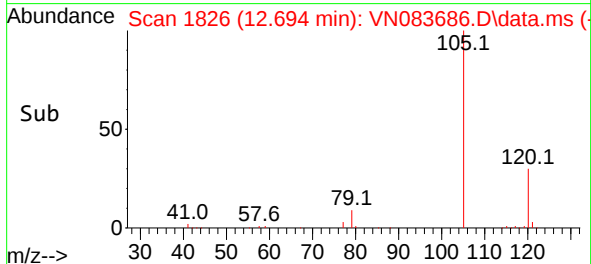
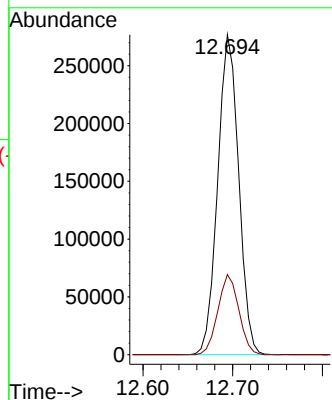
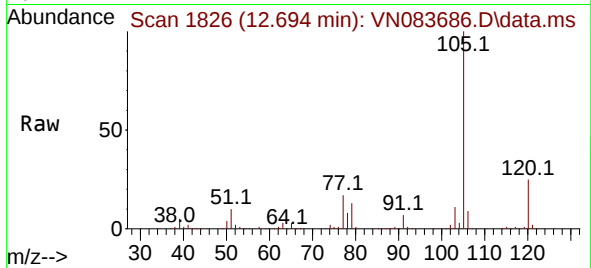




#73  
Isopropylbenzene  
Concen: 44.329 ug/l  
RT: 12.694 min Scan# 1826  
Delta R.T. 0.000 min  
Lab File: VN083686.D  
Acq: 05 Sep 2024 19:27

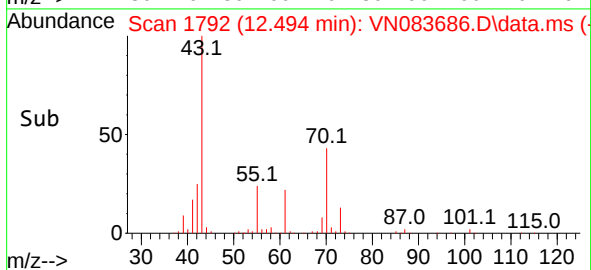
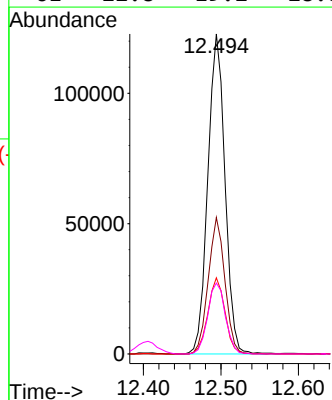
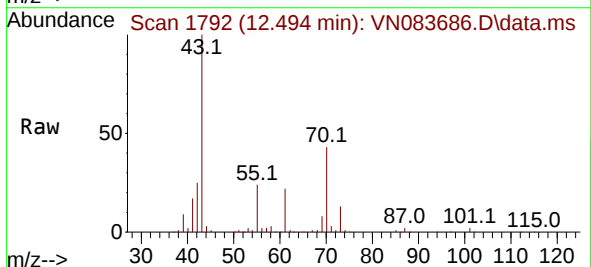
Instrument :  
MSVOA\_N  
ClientSampleId :

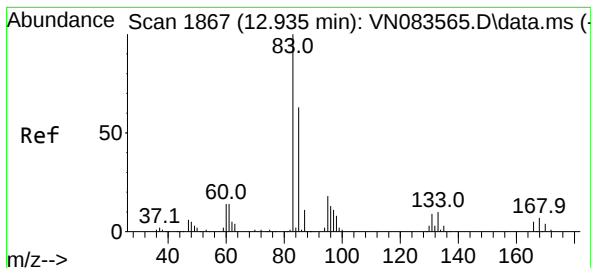
Tgt Ion:105 Resp: 449396  
Ion Ratio Lower Upper  
105 100  
120 25.0 12.6 37.8



#74  
N-ethyl acetate  
Concen: 42.911 ug/l  
RT: 12.494 min Scan# 1792  
Delta R.T. 0.000 min  
Lab File: VN083686.D  
Acq: 05 Sep 2024 19:27

Tgt Ion: 43 Resp: 188819  
Ion Ratio Lower Upper  
43 100  
70 41.3 34.5 51.7  
55 23.7 18.6 28.0  
61 22.8 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 44.335 ug/l

RT: 12.941 min Scan# 1868

Delta R.T. 0.006 min

Lab File: VN083686.D

Acq: 05 Sep 2024 19:27

Instrument :

MSVOA\_N

ClientSampleId :

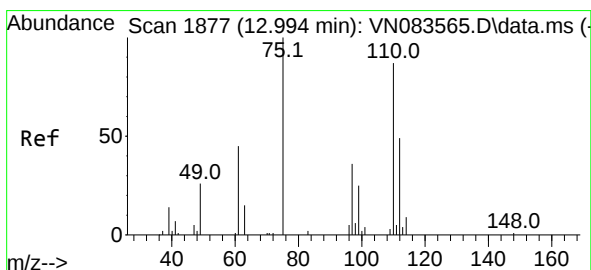
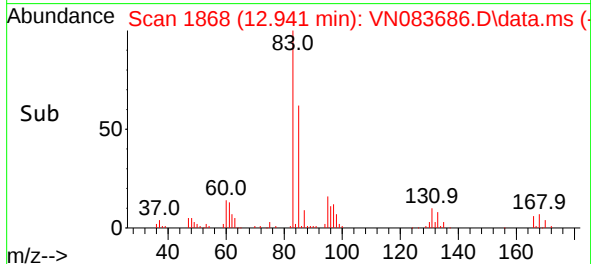
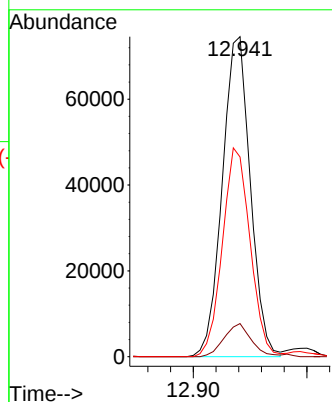
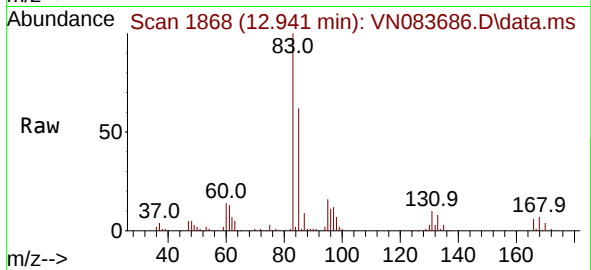
Tgt Ion: 83 Resp: 127596

Ion Ratio Lower Upper

83 100

131 10.3 5.2 15.6

85 64.5 31.9 95.9



#76

1,2,3-Trichloropropane

Concen: 65.610 ug/l

RT: 12.994 min Scan# 1877

Delta R.T. 0.000 min

Lab File: VN083686.D

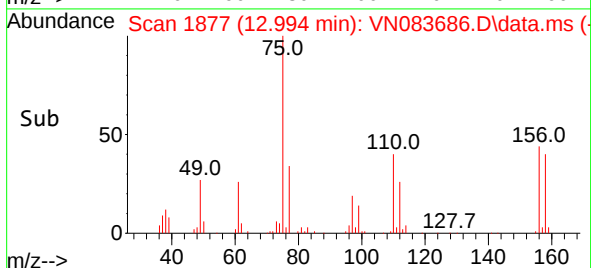
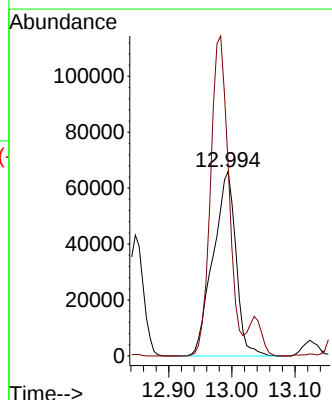
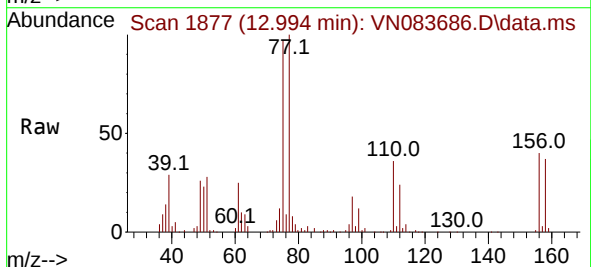
Acq: 05 Sep 2024 19:27

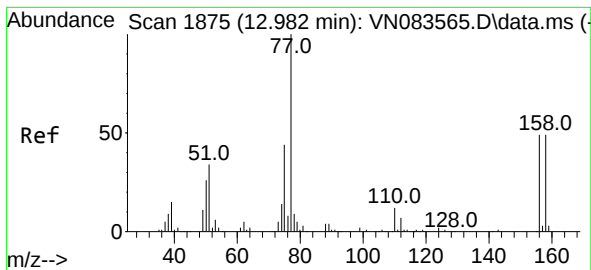
Tgt Ion: 75 Resp: 165918

Ion Ratio Lower Upper

75 100

77 137.6 95.2 285.6





#77

Bromobenzene

Concen: 42.887 ug/l

RT: 12.982 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VN083686.D

Acq: 05 Sep 2024 19:27

Instrument :

MSVOA\_N

ClientSampleId :

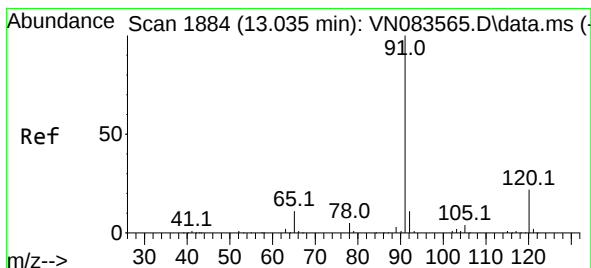
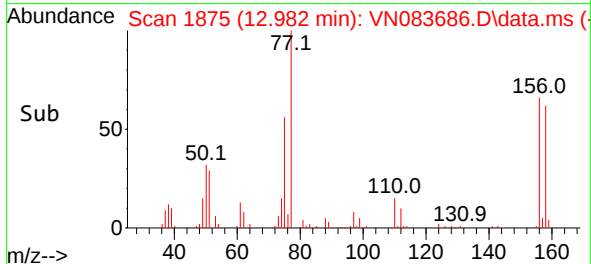
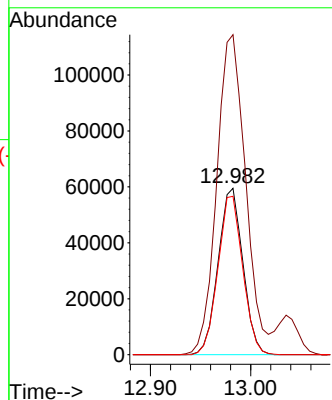
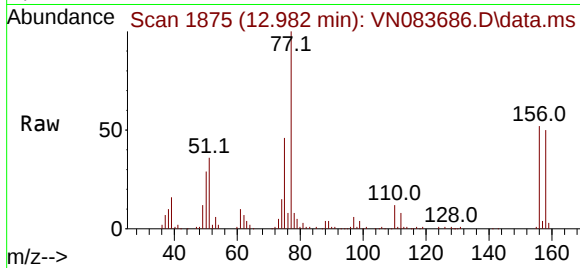
Tgt Ion:156 Resp: 102004

Ion Ratio Lower Upper

156 100

77 223.8 114.3 343.1

158 95.5 48.9 146.7



#78

n-propylbenzene

Concen: 43.905 ug/l

RT: 13.035 min Scan# 1884

Delta R.T. 0.000 min

Lab File: VN083686.D

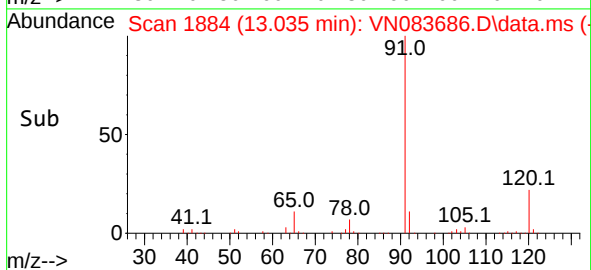
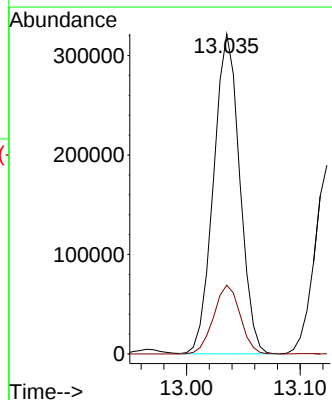
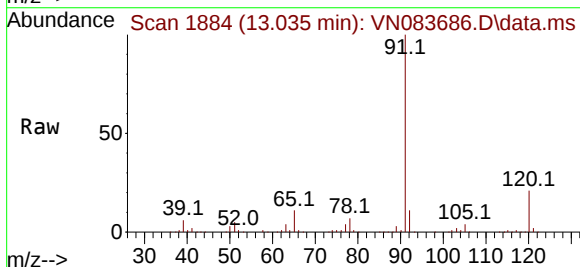
Acq: 05 Sep 2024 19:27

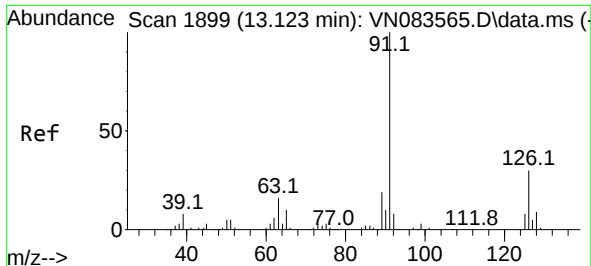
Tgt Ion: 91 Resp: 514608

Ion Ratio Lower Upper

91 100

120 21.8 11.0 33.0

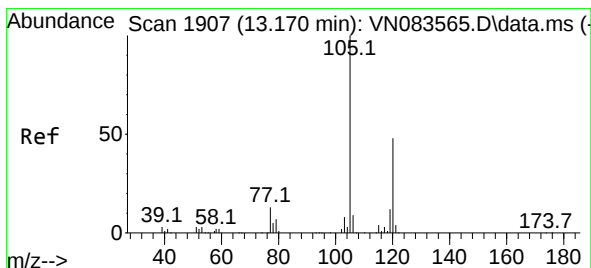
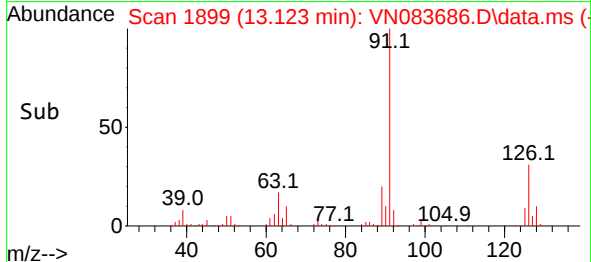
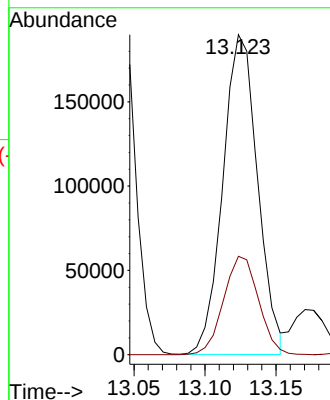
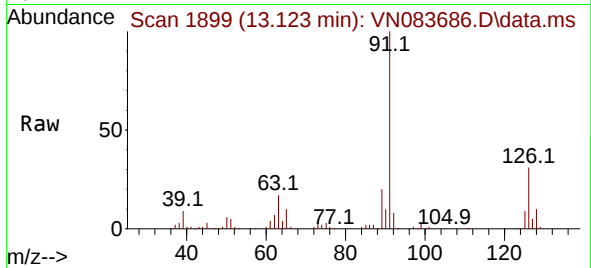




#79  
2-Chlorotoluene  
Concen: 42.444 ug/l  
RT: 13.123 min Scan# 1899  
Delta R.T. 0.000 min  
Lab File: VN083686.D  
Acq: 05 Sep 2024 19:27

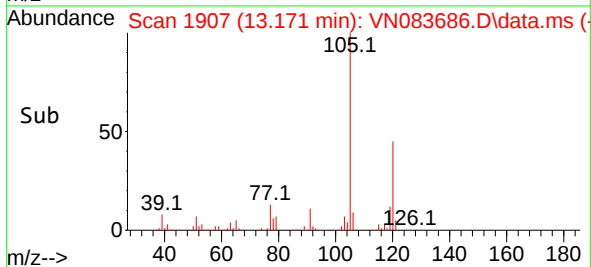
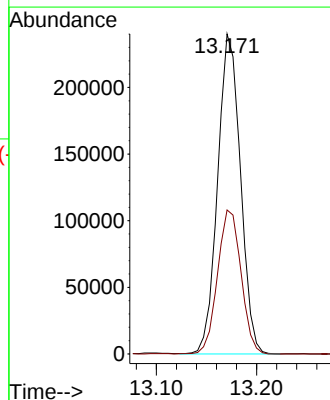
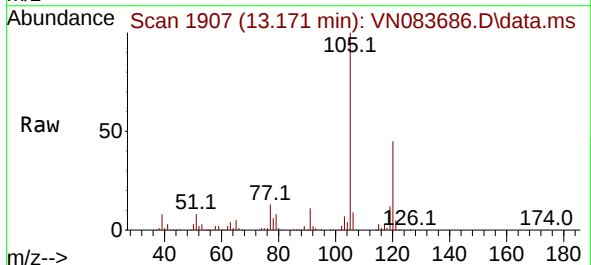
Instrument :  
MSVOA\_N  
ClientSampleId :

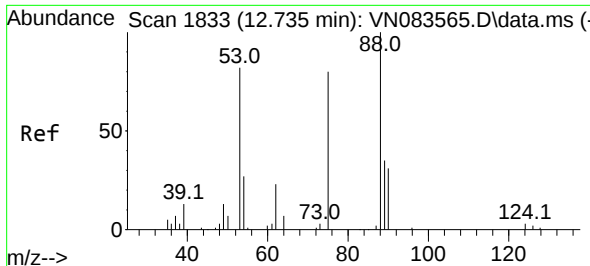
Tgt Ion: 91 Resp: 322369  
Ion Ratio Lower Upper  
91 100  
126 31.0 15.4 46.2



#80  
1,3,5-Trimethylbenzene  
Concen: 44.373 ug/l  
RT: 13.171 min Scan# 1907  
Delta R.T. 0.000 min  
Lab File: VN083686.D  
Acq: 05 Sep 2024 19:27

Tgt Ion: 105 Resp: 378951  
Ion Ratio Lower Upper  
105 100  
120 46.3 23.4 70.3

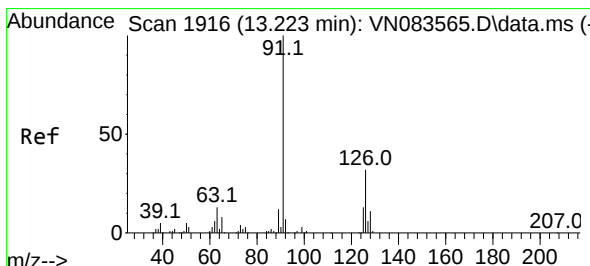
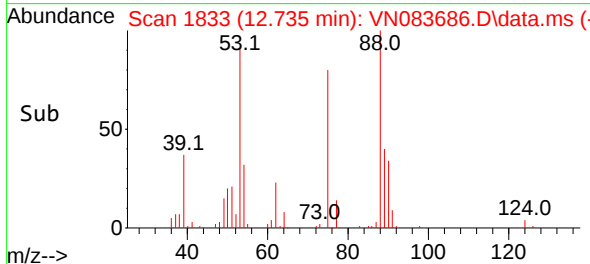
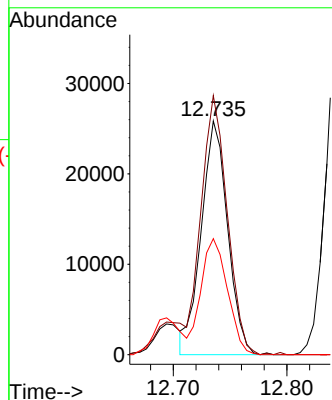
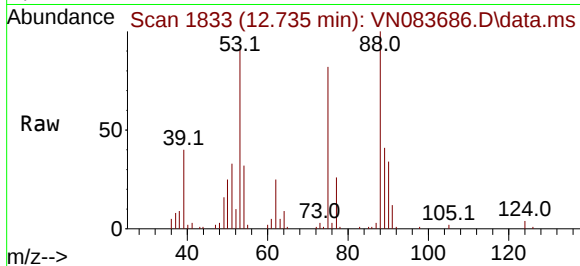




#81  
trans-1,4-Dichloro-2-butene  
Concen: 38.996 ug/l  
RT: 12.735 min Scan# 1833  
Delta R.T. 0.000 min  
Lab File: VN083686.D  
Acq: 05 Sep 2024 19:27

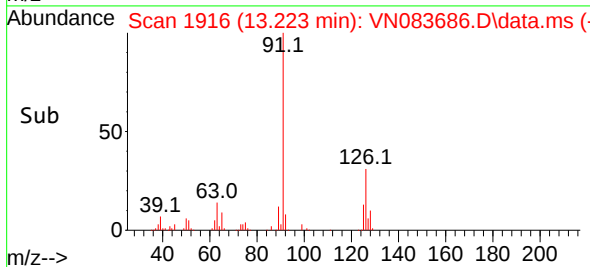
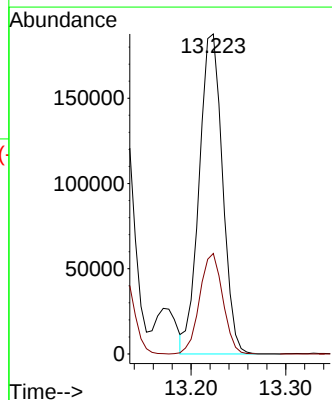
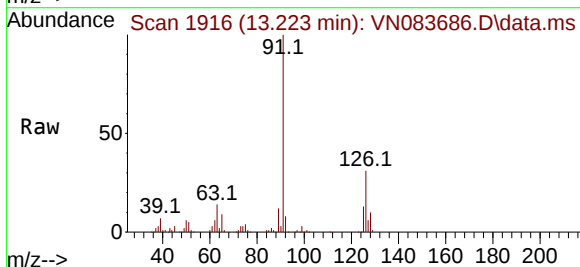
Instrument :  
MSVOA\_N  
ClientSampleId :

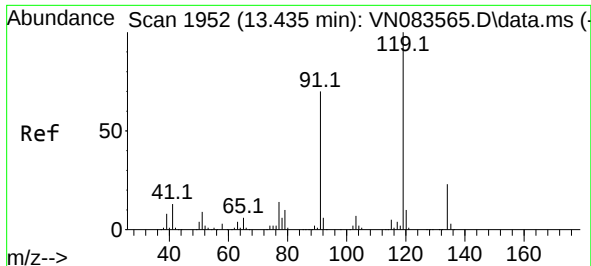
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 41811 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 108.9 | 81.2  | 121.8 |
| 89       | 49.9  | 35.7  | 53.5  |



#82  
4-Chlorotoluene  
Concen: 41.560 ug/l  
RT: 13.223 min Scan# 1916  
Delta R.T. 0.000 min  
Lab File: VN083686.D  
Acq: 05 Sep 2024 19:27

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 320672 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 126      | 31.1  | 15.4  | 46.2   |

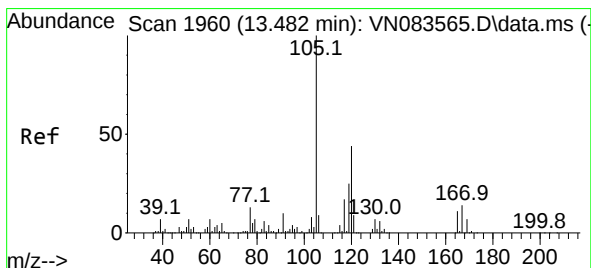
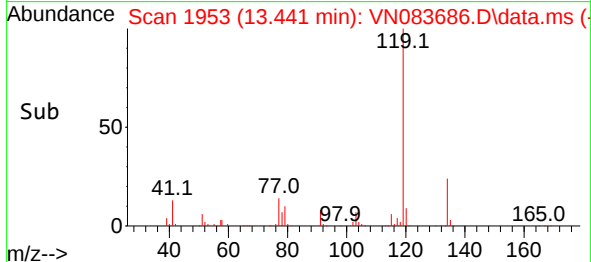
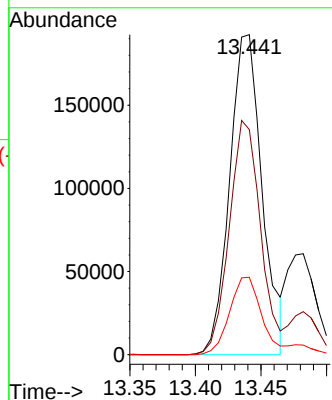
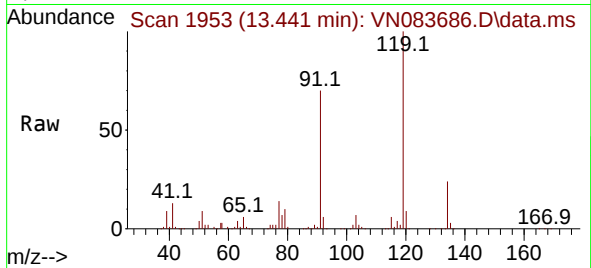




#83  
tert-Butylbenzene  
Concen: 43.737 ug/l  
RT: 13.441 min Scan# 1953  
Delta R.T. 0.006 min  
Lab File: VN083686.D  
Acq: 05 Sep 2024 19:27

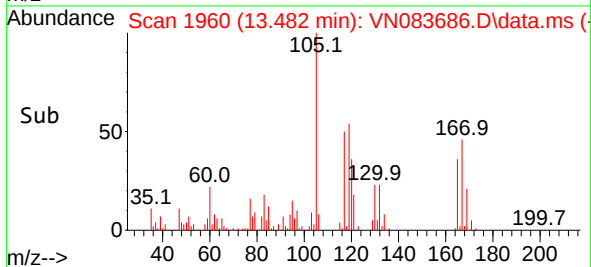
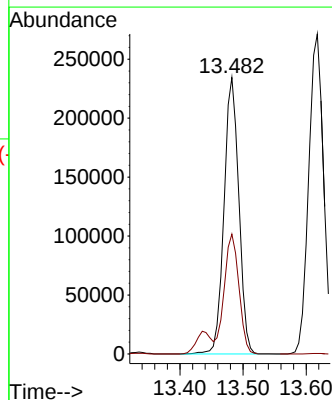
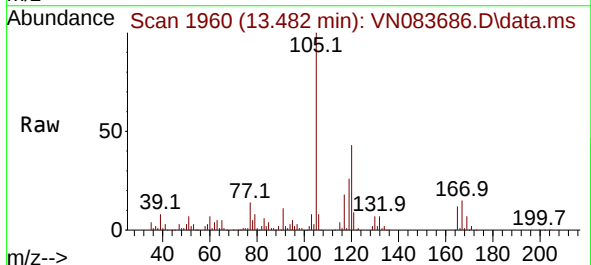
Instrument :  
MSVOA\_N  
ClientSampleId :

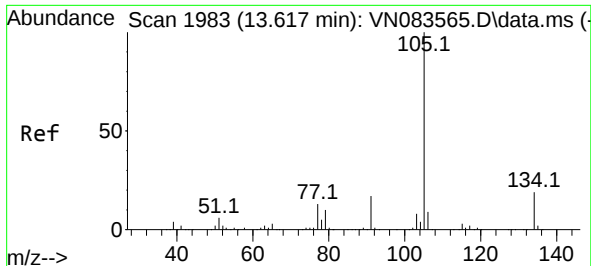
Tgt Ion:119 Resp: 332085  
Ion Ratio Lower Upper  
119 100  
91 70.4 34.5 103.6  
134 24.1 12.8 38.4



#84  
1,2,4-Trimethylbenzene  
Concen: 44.457 ug/l  
RT: 13.482 min Scan# 1960  
Delta R.T. 0.000 min  
Lab File: VN083686.D  
Acq: 05 Sep 2024 19:27

Tgt Ion:105 Resp: 382161  
Ion Ratio Lower Upper  
105 100  
120 43.2 21.8 65.4

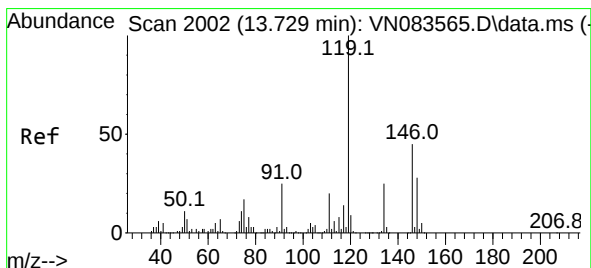
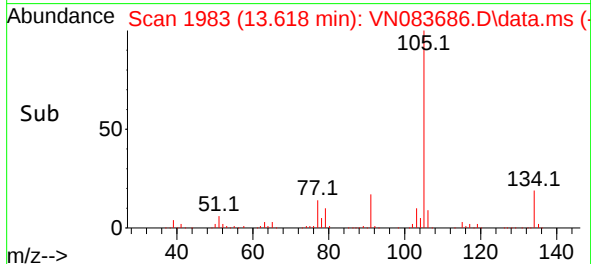
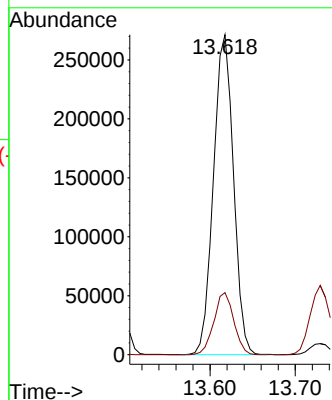
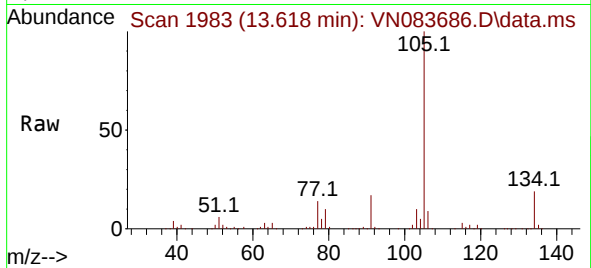




#85  
 sec-Butylbenzene  
 Concen: 43.882 ug/l  
 RT: 13.618 min Scan# 1983  
 Delta R.T. 0.000 min  
 Lab File: VN083686.D  
 Acq: 05 Sep 2024 19:27

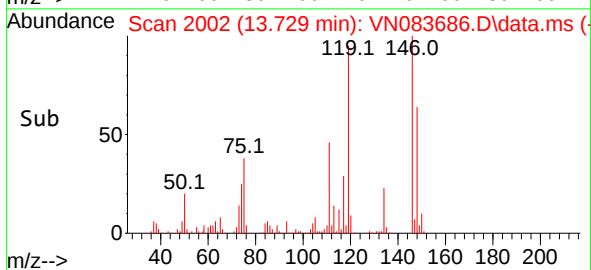
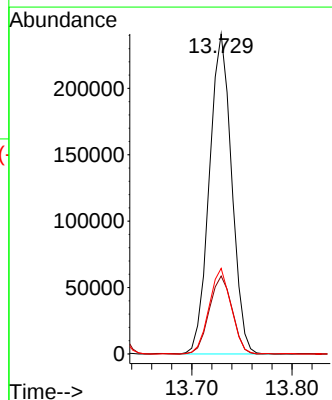
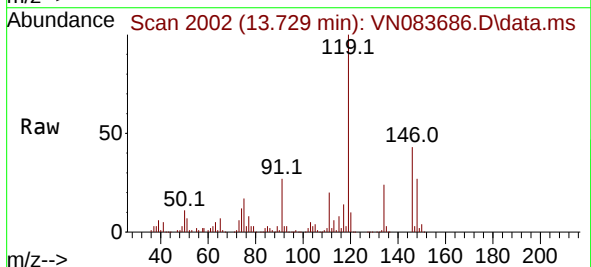
Instrument :  
 MSVOA\_N  
 ClientSampleId :

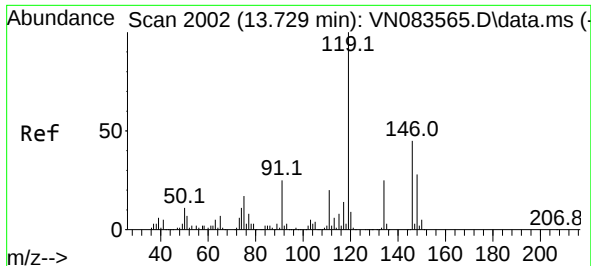
Tgt Ion:105 Resp: 442852  
 Ion Ratio Lower Upper  
 105 100  
 134 19.3 9.7 29.1



#86  
 p-Isopropyltoluene  
 Concen: 44.225 ug/l  
 RT: 13.729 min Scan# 2002  
 Delta R.T. 0.000 min  
 Lab File: VN083686.D  
 Acq: 05 Sep 2024 19:27

Tgt Ion:119 Resp: 372776  
 Ion Ratio Lower Upper  
 119 100  
 134 24.9 12.8 38.3  
 91 26.4 12.9 38.7





#87

1,3-Dichlorobenzene

Concen: 40.542 ug/l

RT: 13.735 min Scan# 2002

Delta R.T. 0.006 min

Lab File: VN083686.D

Acq: 05 Sep 2024 19:27

Instrument :

MSVOA\_N

ClientSampleId :

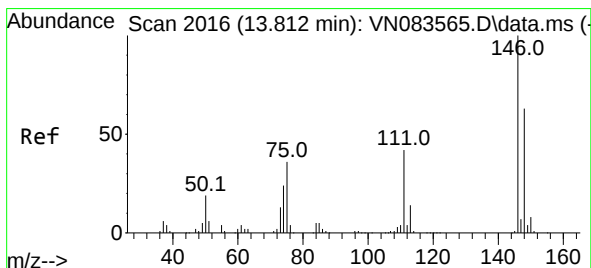
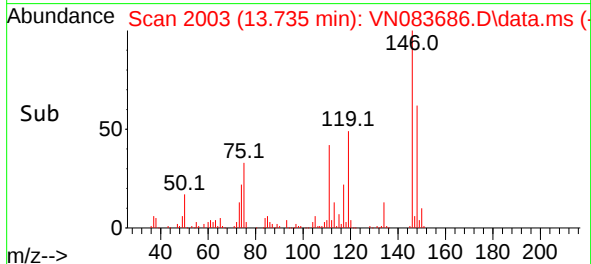
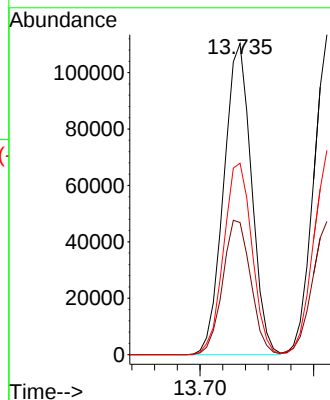
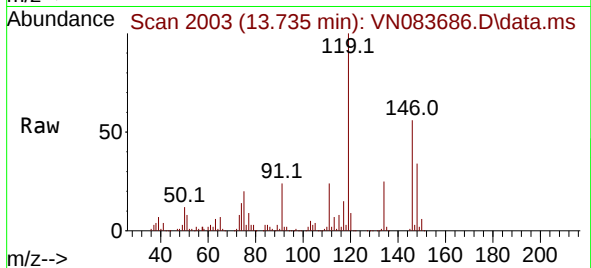
Tgt Ion:146 Resp: 187179

Ion Ratio Lower Upper

146 100

111 43.7 21.7 65.1

148 62.9 31.7 95.1



#88

1,4-Dichlorobenzene

Concen: 39.148 ug/l

RT: 13.812 min Scan# 2016

Delta R.T. 0.000 min

Lab File: VN083686.D

Acq: 05 Sep 2024 19:27

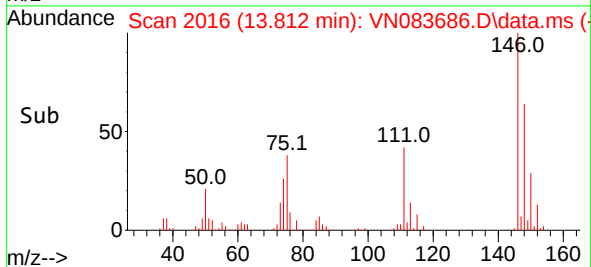
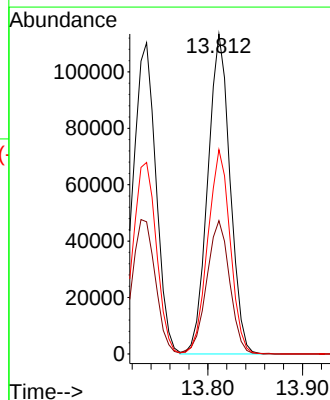
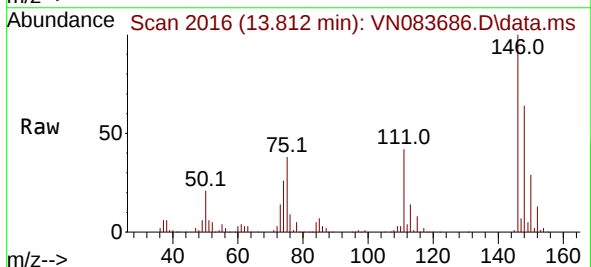
Tgt Ion:146 Resp: 185721

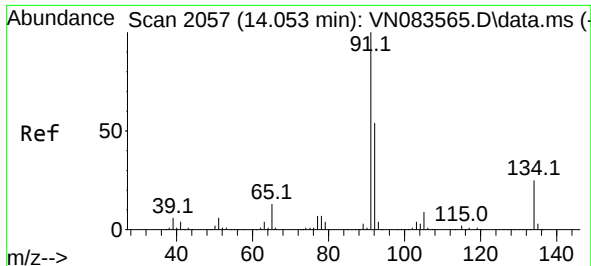
Ion Ratio Lower Upper

146 100

111 43.1 21.3 64.0

148 64.2 32.0 96.2

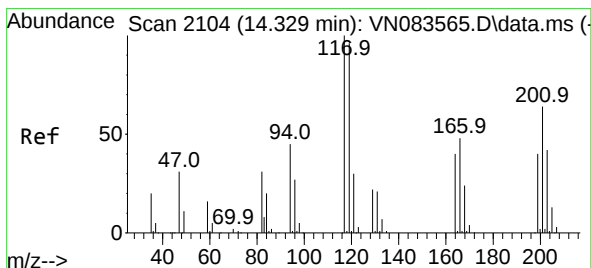
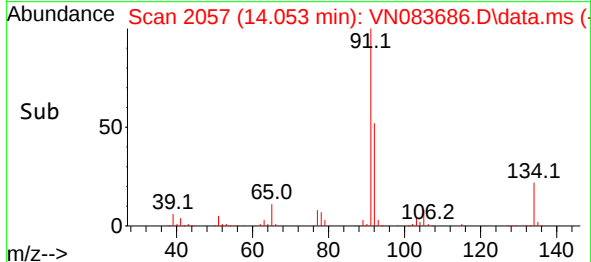
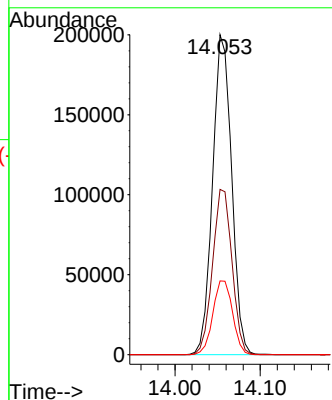
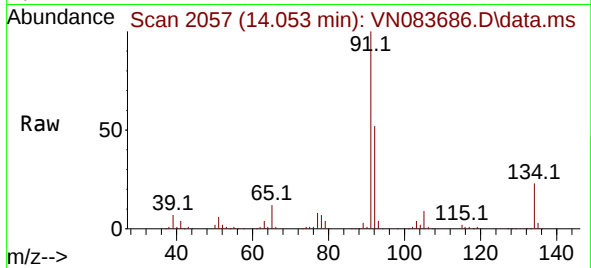




#89  
n-Butylbenzene  
Concen: 41.848 ug/l  
RT: 14.053 min Scan# 2057  
Delta R.T. 0.000 min  
Lab File: VN083686.D  
Acq: 05 Sep 2024 19:27

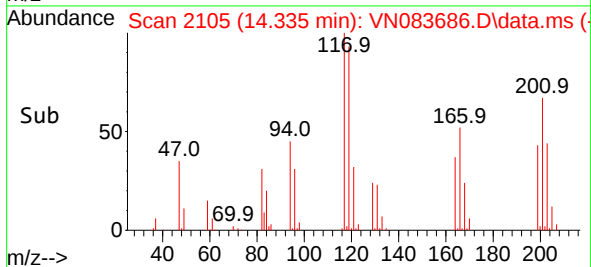
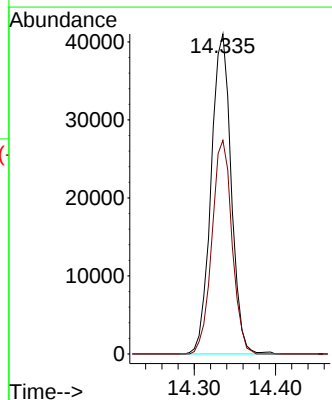
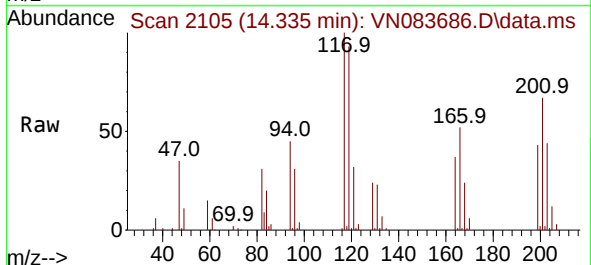
Instrument :  
MSVOA\_N  
ClientSampleId :

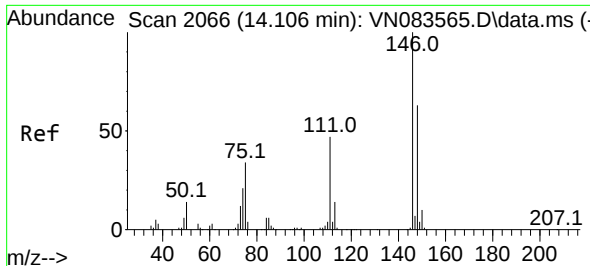
Tgt Ion: 91 Resp: 310280  
Ion Ratio Lower Upper  
91 100  
92 52.9 26.7 80.1  
134 23.9 12.2 36.4



#90  
Hexachloroethane  
Concen: 42.874 ug/l  
RT: 14.335 min Scan# 2105  
Delta R.T. 0.006 min  
Lab File: VN083686.D  
Acq: 05 Sep 2024 19:27

Tgt Ion: 117 Resp: 70345  
Ion Ratio Lower Upper  
117 100  
201 67.0 32.8 98.3



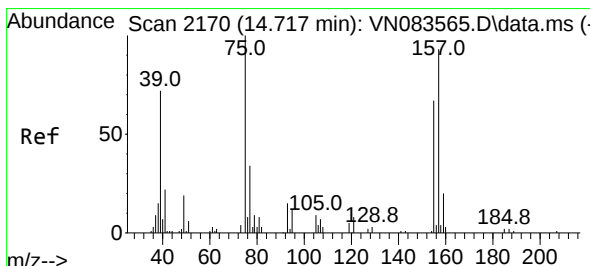
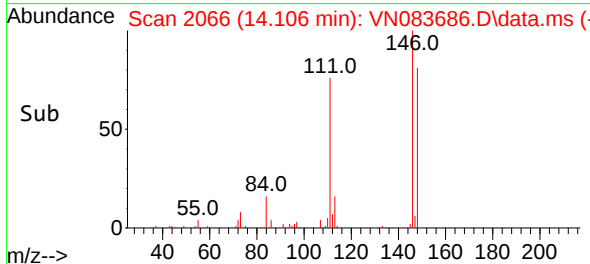
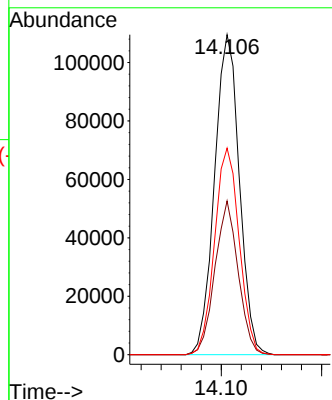
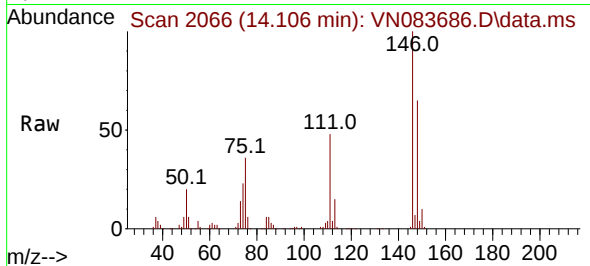


#91  
 1,2-Dichlorobenzene  
 Concen: 42.337 ug/l  
 RT: 14.106 min Scan# 2066  
 Delta R.T. 0.000 min  
 Lab File: VN083686.D  
 Acq: 05 Sep 2024 19:27

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Tgt Ion:146 Resp: 188237  

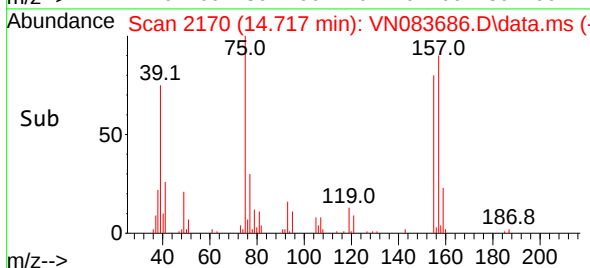
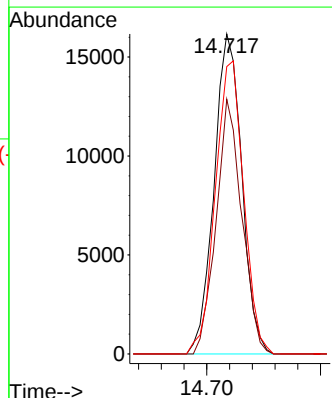
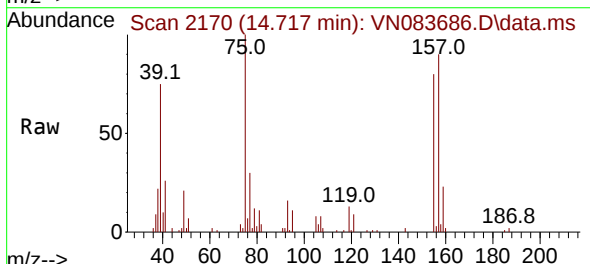
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 45.0  | 22.8  | 68.3  |
| 148 | 64.0  | 32.1  | 96.5  |

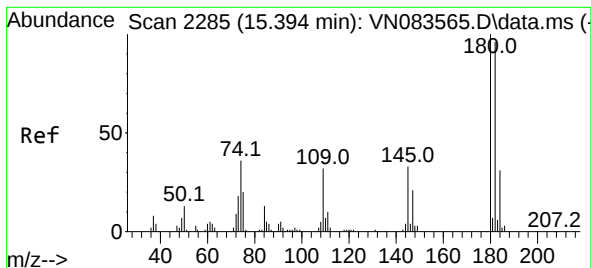


#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 43.816 ug/l  
 RT: 14.717 min Scan# 2170  
 Delta R.T. 0.000 min  
 Lab File: VN083686.D  
 Acq: 05 Sep 2024 19:27

Tgt Ion: 75 Resp: 27349  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 155 | 74.1  | 35.9  | 107.7 |
| 157 | 93.6  | 47.5  | 142.5 |





#93

1,2,4-Trichlorobenzene

Concen: 38.029 ug/l

RT: 15.394 min Scan# 2285

Delta R.T. 0.000 min

Lab File: VN083686.D

Acq: 05 Sep 2024 19:27

Instrument :

MSVOA\_N

ClientSampleId :

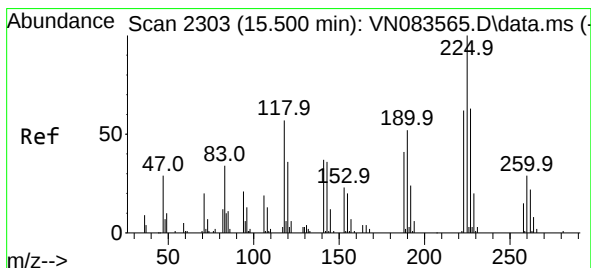
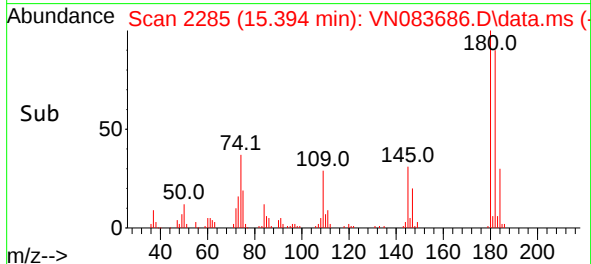
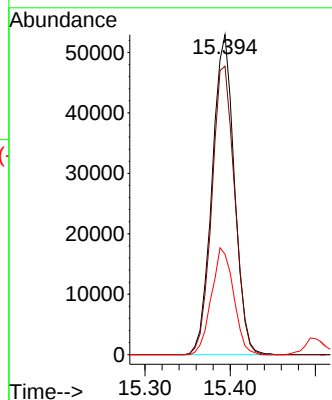
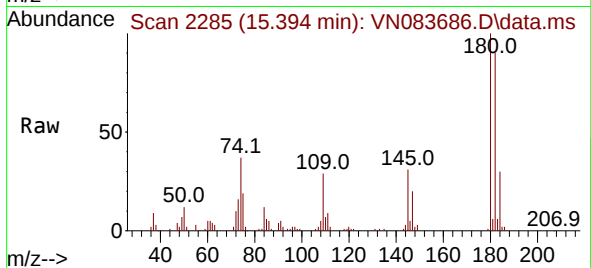
Tgt Ion:180 Resp: 95883

Ion Ratio Lower Upper

180 100

182 92.4 48.1 144.3

145 33.3 16.9 50.7



#94

Hexachlorobutadiene

Concen: 38.073 ug/l

RT: 15.500 min Scan# 2303

Delta R.T. 0.000 min

Lab File: VN083686.D

Acq: 05 Sep 2024 19:27

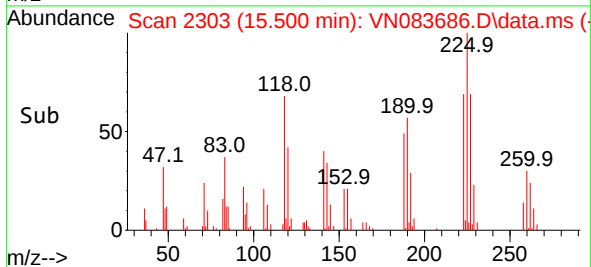
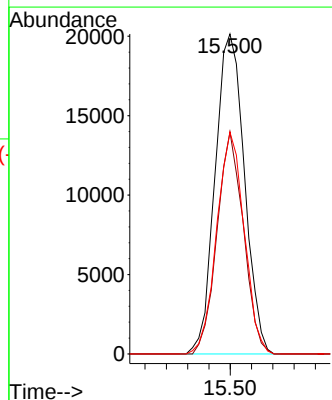
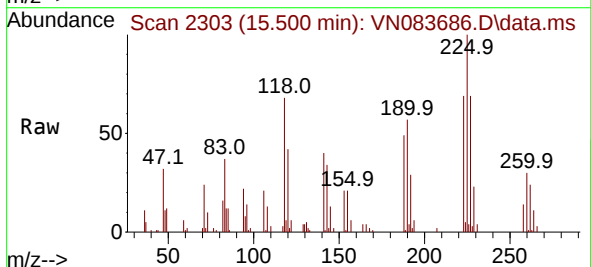
Tgt Ion:225 Resp: 38442

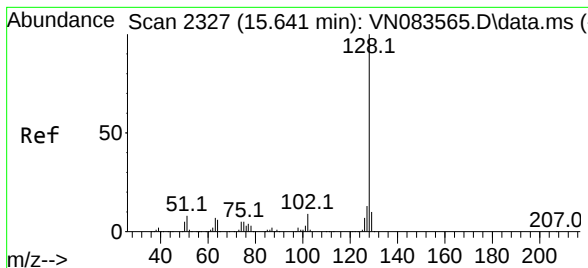
Ion Ratio Lower Upper

225 100

223 62.4 31.9 95.5

227 64.9 32.0 96.2





#95

Naphthalene

Concen: 39.735 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. 0.000 min

Lab File: VN083686.D

Acq: 05 Sep 2024 19:27

Instrument :

MSVOA\_N

ClientSampleId :

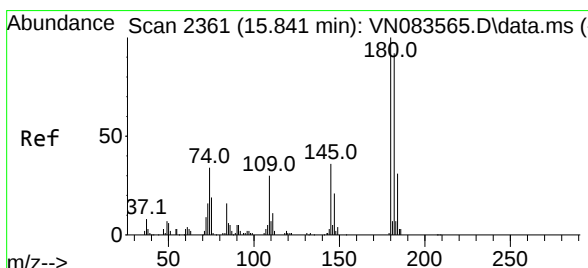
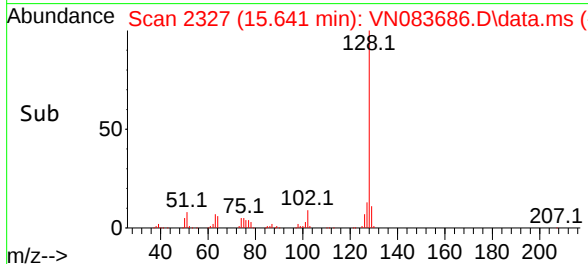
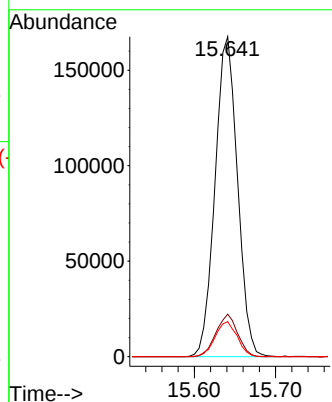
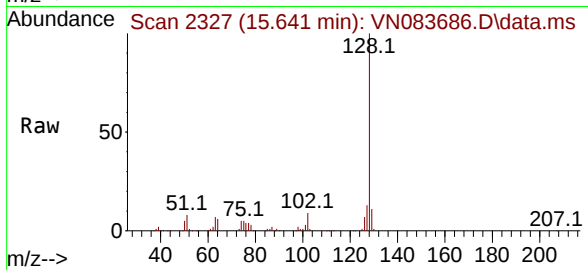
Tgt Ion:128 Resp: 321884

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.2

129 10.9 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 36.406 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. 0.000 min

Lab File: VN083686.D

Acq: 05 Sep 2024 19:27

Tgt Ion:180 Resp: 91693

Ion Ratio Lower Upper

180 100

182 95.0 47.1 141.4

145 35.6 17.8 53.5

