

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY112923\  
 Data File : VY016530.D  
 Acq On : 29 Nov 2023 10:18  
 Operator : SY/MD  
 Sample : VSTDICC100  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDICC100

Quant Time: Nov 30 03:08:24 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y112923S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 30 02:51:41 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.832  | 168  | 173409   | 50.000 | ug/l  | 0.01     |
| 34) 1,4-Difluorobenzene    | 8.722  | 114  | 265976   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.520 | 117  | 230561   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.453 | 152  | 105824   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |             |      |
|-----------------------------|--------|-------|----------|----------|-------------|------|
| System Monitoring Compounds |        |       |          |          |             |      |
| 33) 1,2-Dichloroethane-d4   | 8.179  | 65    | 152520   | 111.328  | ug/l        | 0.00 |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 222.660%# |      |
| 35) Dibromofluoromethane    | 7.759  | 113   | 164107   | 105.127  | ug/l        | 0.01 |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 210.260%# |      |
| 50) Toluene-d8              | 10.209 | 98    | 636067   | 105.056  | ug/l        | 0.00 |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 210.120%# |      |
| 62) 4-Bromofluorobenzene    | 12.508 | 95    | 203858   | 107.331  | ug/l        | 0.00 |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | = 214.660%# |      |

|                              |       |     |         |         |        |     |
|------------------------------|-------|-----|---------|---------|--------|-----|
| Target Compounds             |       |     |         | Qvalue  |        |     |
| 2) Dichlorodifluoromethane   | 1.924 | 85  | 141236  | 93.500  | ug/l   | 96  |
| 3) Chloromethane             | 2.138 | 50  | 144361  | 95.803  | ug/l   | 98  |
| 4) Vinyl Chloride            | 2.278 | 62  | 162847  | 95.749  | ug/l   | 98  |
| 5) Bromomethane              | 2.674 | 94  | 112533  | 102.213 | ug/l   | 100 |
| 6) Chloroethane              | 2.826 | 64  | 109270  | 99.520  | ug/l   | 94  |
| 7) Trichlorofluoromethane    | 3.162 | 101 | 289773  | 98.416  | ug/l   | 99  |
| 8) Diethyl Ether             | 3.564 | 74  | 88941   | 113.731 | ug/l   | 75  |
| 9) 1,1,2-Trichlorotrifluo... | 3.942 | 101 | 166095  | 99.376  | ug/l   | 98  |
| 10) Methyl Iodide            | 4.137 | 142 | 201346  | 106.479 | ug/l   | 98  |
| 11) Tert butyl alcohol       | 5.009 | 59  | 56607   | 651.908 | ug/l # | 81  |
| 12) 1,1-Dichloroethene       | 3.912 | 96  | 157943  | 101.112 | ug/l   | 84  |
| 13) Acrolein                 | 3.765 | 56  | 107348  | 652.415 | ug/l   | 98  |
| 14) Allyl chloride           | 4.521 | 41  | 187754  | 104.555 | ug/l # | 87  |
| 15) Acrylonitrile            | 5.210 | 53  | 168068  | 607.331 | ug/l   | 96  |
| 16) Acetone                  | 3.985 | 43  | 139901  | 590.725 | ug/l # | 82  |
| 17) Carbon Disulfide         | 4.241 | 76  | 444182  | 100.789 | ug/l   | 99  |
| 18) Methyl Acetate           | 4.521 | 43  | 129834  | 128.029 | ug/l # | 81  |
| 19) Methyl tert-butyl Ether  | 5.271 | 73  | 398582  | 117.091 | ug/l   | 97  |
| 20) Methylene Chloride       | 4.765 | 84  | 160784  | 103.223 | ug/l # | 82  |
| 21) trans-1,2-Dichloroethene | 5.271 | 96  | 175019  | 100.598 | ug/l   | 89  |
| 22) Diisopropyl ether        | 6.167 | 45  | 398039  | 105.710 | ug/l # | 83  |
| 23) Vinyl Acetate            | 6.106 | 43  | 1002447 | 577.304 | ug/l # | 86  |
| 24) 1,1-Dichloroethane       | 6.064 | 63  | 269981  | 101.597 | ug/l   | 94  |
| 25) 2-Butanone               | 7.027 | 43  | 205235  | 555.242 | ug/l # | 80  |
| 26) 2,2-Dichloropropane      | 7.027 | 77  | 263362  | 100.275 | ug/l   | 95  |
| 27) cis-1,2-Dichloroethene   | 7.033 | 96  | 196989  | 105.391 | ug/l   | 85  |
| 28) Bromochloromethane       | 7.374 | 49  | 102188  | 106.403 | ug/l # | 65  |
| 29) Tetrahydrofuran          | 7.387 | 42  | 129683  | 653.077 | ug/l # | 78  |
| 30) Chloroform               | 7.545 | 83  | 301632  | 101.839 | ug/l   | 95  |
| 31) Cyclohexane              | 7.826 | 56  | 230397  | 95.793  | ug/l   | 87  |
| 32) 1,1,1-Trichloroethane    | 7.740 | 97  | 288693  | 100.584 | ug/l   | 94  |
| 36) 1,1-Dichloropropene      | 7.954 | 75  | 227067  | 98.503  | ug/l   | 96  |
| 37) Ethyl Acetate            | 7.112 | 43  | 89067   | 123.276 | ug/l # | 89  |
| 38) Carbon Tetrachloride     | 7.941 | 117 | 269907  | 99.759  | ug/l   | 99  |
| 39) Methylcyclohexane        | 9.216 | 83  | 297727  | 103.547 | ug/l   | 88  |
| 40) Benzene                  | 8.197 | 78  | 657070  | 100.531 | ug/l   | 99  |

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 Sample : VSTDICC100  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDICC100

Quant Time: Nov 30 03:08:24 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y112923S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 30 02:51:41 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.387  | 41   | 119838   | 300.038  | ug/l # | 28       |
| 42) 1,2-Dichloroethane        | 8.271  | 62   | 175953   | 108.635  | ug/l   | 91       |
| 43) Isopropyl Acetate         | 8.307  | 43   | 174949   | 123.140  | ug/l # | 84       |
| 44) Trichloroethene           | 8.972  | 130  | 206591   | 102.619  | ug/l   | 95       |
| 45) 1,2-Dichloropropane       | 9.246  | 63   | 153033   | 103.763  | ug/l   | 95       |
| 46) Dibromomethane            | 9.338  | 93   | 91791    | 110.685  | ug/l   | 97       |
| 47) Bromodichloromethane      | 9.527  | 83   | 233739   | 106.753  | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.325  | 41   | 99994    | 125.365  | ug/l # | 77       |
| 49) 1,4-Dioxane               | 9.331  | 88   | 20118    | 2619.740 | ug/l # | 68       |
| 51) 4-Methyl-2-Pentanone      | 10.100 | 43   | 459502   | 619.972  | ug/l # | 83       |
| 52) Toluene                   | 10.276 | 92   | 430826   | 102.611  | ug/l   | 94       |
| 53) t-1,3-Dichloropropene     | 10.496 | 75   | 227483   | 112.120  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 9.959  | 75   | 267191   | 108.676  | ug/l # | 83       |
| 55) 1,1,2-Trichloroethane     | 10.673 | 97   | 131055   | 109.517  | ug/l   | 95       |
| 56) Ethyl methacrylate        | 10.539 | 69   | 125791   | 124.214  | ug/l # | 76       |
| 57) 1,3-Dichloropropane       | 10.819 | 76   | 213749   | 110.892  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.813  | 63   | 398301   | 636.038  | ug/l # | 87       |
| 59) 2-Hexanone                | 10.856 | 43   | 336403   | 574.610  | ug/l   | 80       |
| 60) Dibromochloromethane      | 11.014 | 129  | 173852   | 111.149  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.118 | 107  | 126883   | 112.280  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.746 | 164  | 209259   | 101.983  | ug/l   | 97       |
| 65) Chlorobenzene             | 11.544 | 112  | 464635   | 100.629  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.618 | 131  | 181512   | 102.547  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.618 | 91   | 824636   | 101.741  | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.727 | 106  | 642125   | 204.707  | ug/l   | 92       |
| 69) o-Xylene                  | 12.057 | 106  | 299262   | 103.921  | ug/l   | 94       |
| 70) Styrene                   | 12.069 | 104  | 431911   | 104.241  | ug/l   | 97       |
| 71) Bromoform                 | 12.233 | 173  | 103066   | 112.729  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.355 | 105  | 801914   | 99.925   | ug/l   | 99       |
| 74) N-amyl acetate            | 12.166 | 43   | 142481   | 125.719  | ug/l # | 81       |
| 75) 1,1,2,2-Tetrachloroethane | 12.605 | 83   | 130919   | 109.899  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.654 | 75   | 177156   | 198.727  | ug/l # | 100      |
| 77) Bromobenzene              | 12.636 | 156  | 192837   | 103.197  | ug/l   | 88       |
| 78) n-propylbenzene           | 12.697 | 91   | 910042   | 99.120   | ug/l   | 96       |
| 79) 2-Chlorotoluene           | 12.782 | 91   | 509682   | 99.809   | ug/l   | 96       |
| 80) 1,3,5-Trimethylbenzene    | 12.837 | 105  | 653537   | 101.305  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 12.404 | 75   | 46619    | 114.430  | ug/l   | 88       |
| 82) 4-Chlorotoluene           | 12.880 | 91   | 524790   | 100.092  | ug/l   | 97       |
| 83) tert-Butylbenzene         | 13.099 | 119  | 577562   | 99.205   | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene    | 13.142 | 105  | 639610   | 101.837  | ug/l   | 97       |
| 85) sec-Butylbenzene          | 13.276 | 105  | 794060   | 98.617   | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.392 | 119  | 705873   | 101.461  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 13.392 | 146  | 358617   | 101.636  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.471 | 146  | 349633   | 101.238  | ug/l   | 100      |
| 89) n-Butylbenzene            | 13.721 | 91   | 613710   | 100.643  | ug/l   | 94       |
| 90) Hexachloroethane          | 13.983 | 117  | 133991   | 98.712   | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene       | 13.764 | 146  | 313054   | 104.689  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 14.379 | 75   | 21537    | 128.511  | ug/l   | 77       |
| 93) 1,2,4-Trichlorobenzene    | 15.032 | 180  | 192103   | 101.131  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.135 | 225  | 104282   | 100.692  | ug/l   | 99       |
| 95) Naphthalene               | 15.257 | 128  | 372149   | 108.543  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.446 | 180  | 159767   | 102.285  | ug/l   | 99       |

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Sample : VSTDICC100  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC100

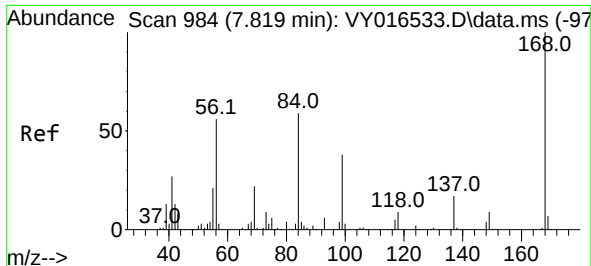
Quant Time: Nov 30 03:08:24 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y112923S.M  
Quant Title : SW846 8260  
QLast Update : Thu Nov 30 02:51:41 2023  
Response via : Initial Calibration

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

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y112923S.M  
Quant Title : SW846 8260  
QLast Update : Thu Nov 30 02:51:41 2023  
Response via : Initial Calibration

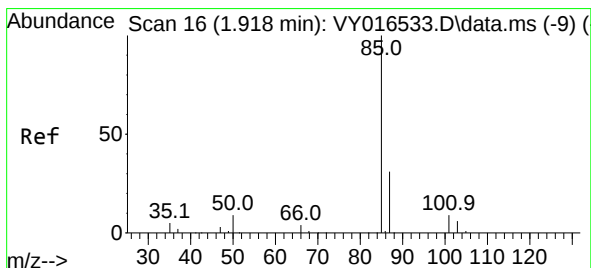
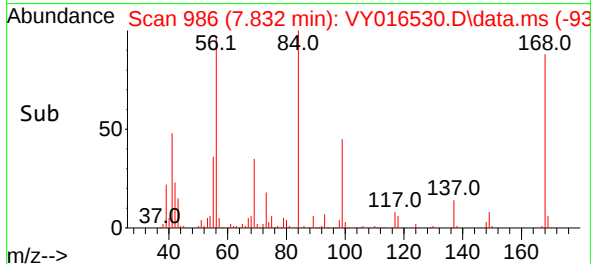
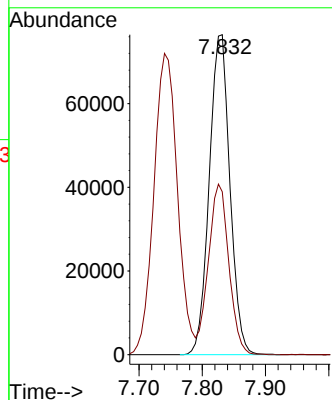
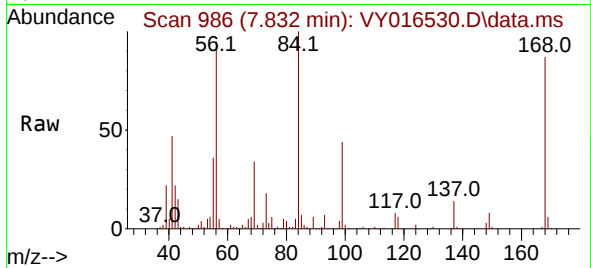




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.832 min Scan# 91  
Delta R.T. 0.013 min  
Lab File: VY016530.D  
Acq: 29 Nov 2023 10:18

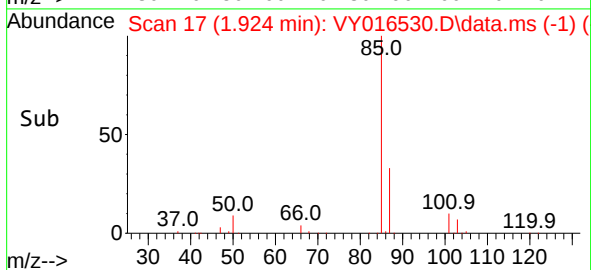
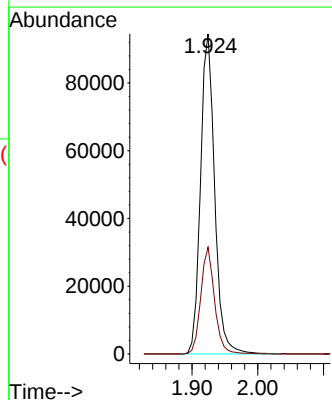
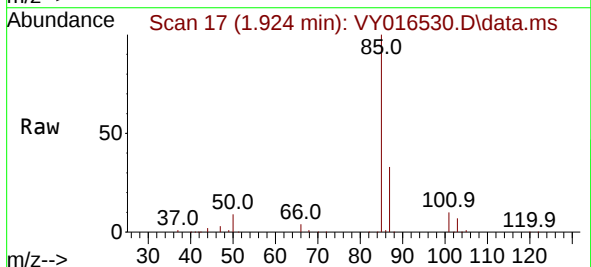
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC100

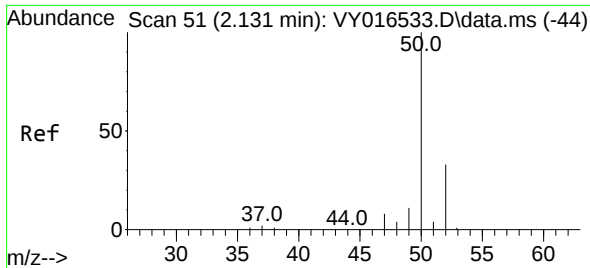
Tgt Ion:168 Resp: 173409  
Ion Ratio Lower Upper  
168 100  
99 50.9 43.4 65.0



#2  
Dichlorodifluoromethane  
Concen: 93.500 ug/l  
RT: 1.924 min Scan# 17  
Delta R.T. 0.006 min  
Lab File: VY016530.D  
Acq: 29 Nov 2023 10:18

Tgt Ion: 85 Resp: 141236  
Ion Ratio Lower Upper  
85 100  
87 33.4 15.6 46.8

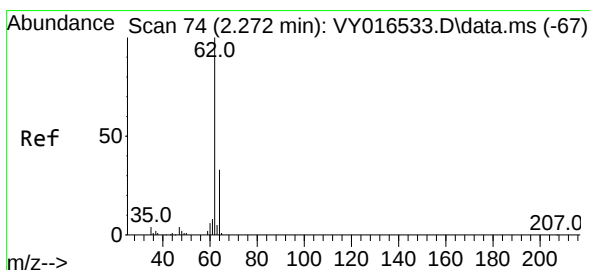
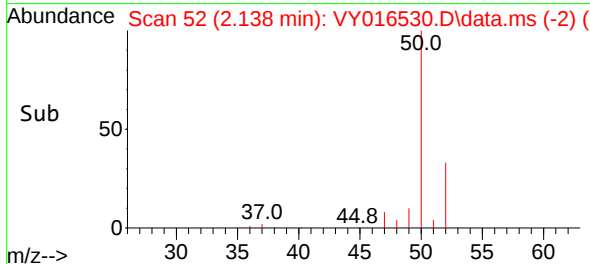
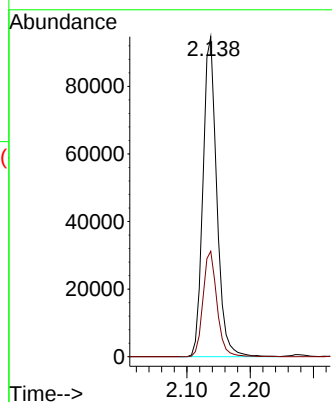
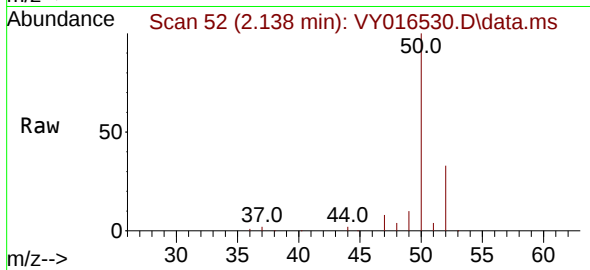




#3  
Chloromethane  
Concen: 95.803 ug/l  
RT: 2.138 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VY016530.D  
Acq: 29 Nov 2023 10:18

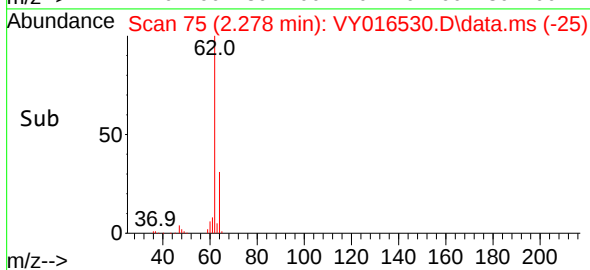
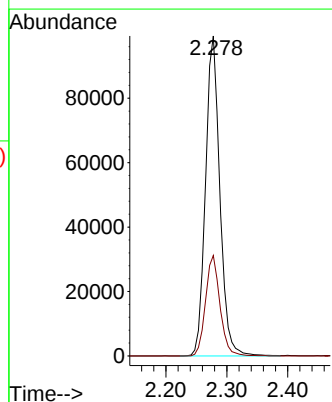
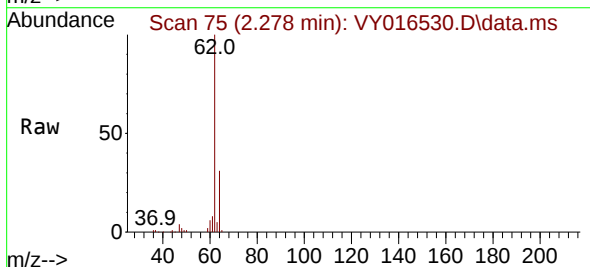
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC100

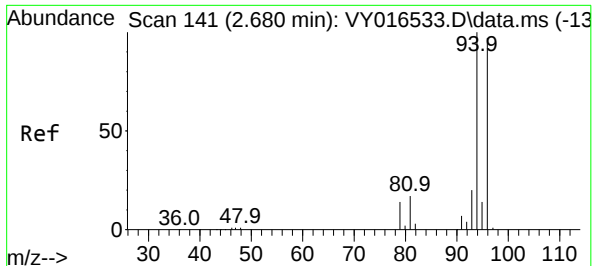
Tgt Ion: 50 Resp: 144361  
Ion Ratio Lower Upper  
50 100  
52 32.9 25.4 38.2



#4  
Vinyl Chloride  
Concen: 95.749 ug/l  
RT: 2.278 min Scan# 75  
Delta R.T. 0.006 min  
Lab File: VY016530.D  
Acq: 29 Nov 2023 10:18

Tgt Ion: 62 Resp: 162847  
Ion Ratio Lower Upper  
62 100  
64 31.4 24.3 36.5

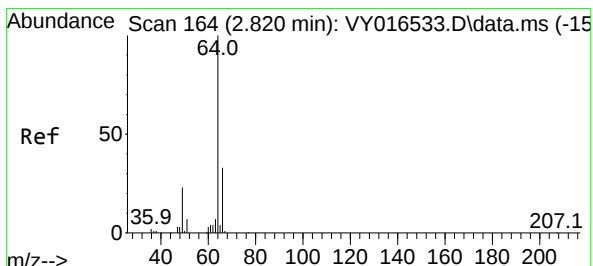
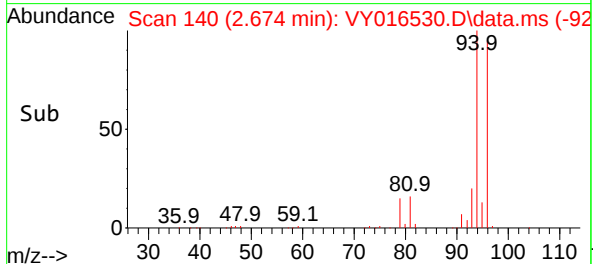
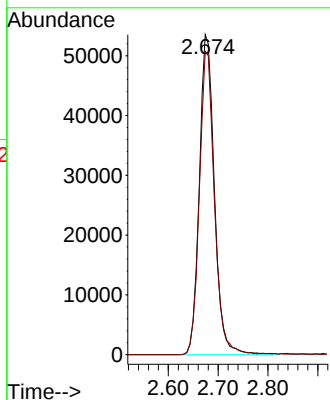
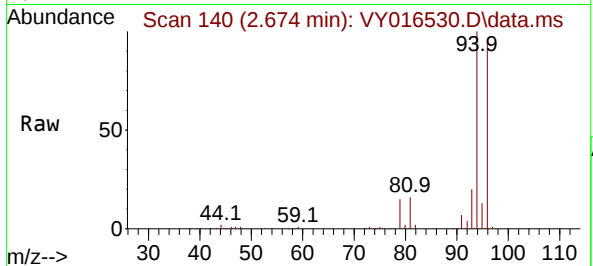




#5  
Bromomethane  
Concen: 102.213 ug/l  
RT: 2.674 min Scan# 141  
Delta R.T. -0.006 min  
Lab File: VY016530.D  
Acq: 29 Nov 2023 10:18

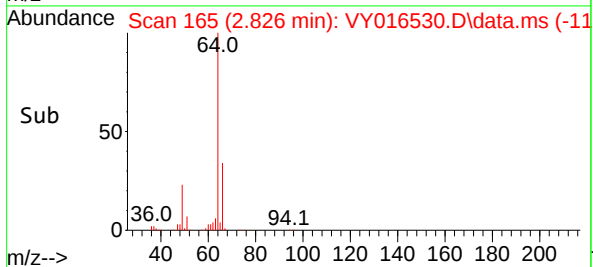
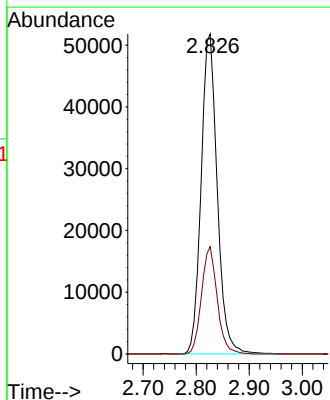
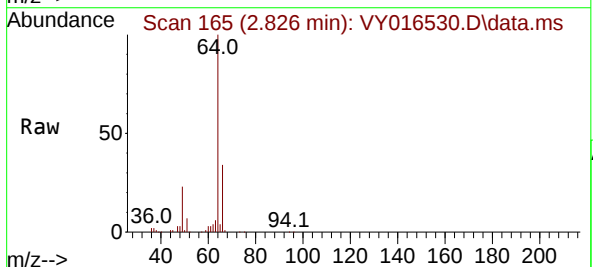
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

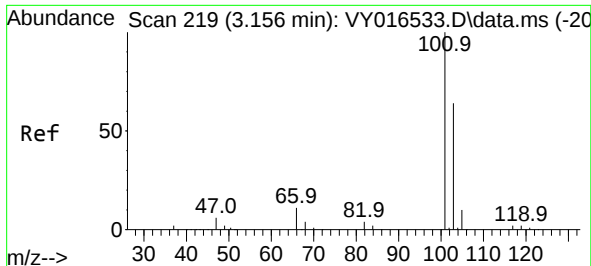
Tgt Ion: 94 Resp: 112533  
Ion Ratio Lower Upper  
94 100  
96 94.8 75.8 113.6



#6  
Chloroethane  
Concen: 99.520 ug/l  
RT: 2.826 min Scan# 165  
Delta R.T. 0.006 min  
Lab File: VY016530.D  
Acq: 29 Nov 2023 10:18

Tgt Ion: 64 Resp: 109270  
Ion Ratio Lower Upper  
64 100  
66 33.6 24.4 36.6

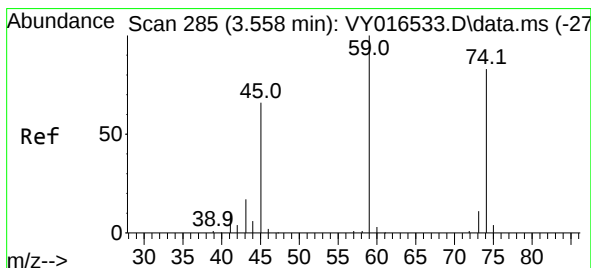
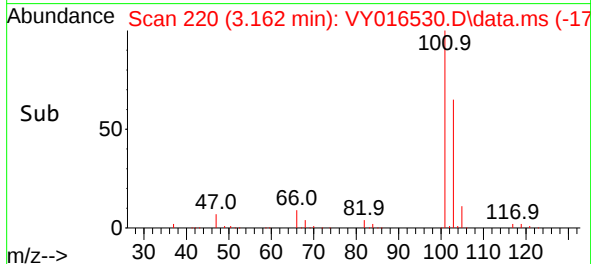
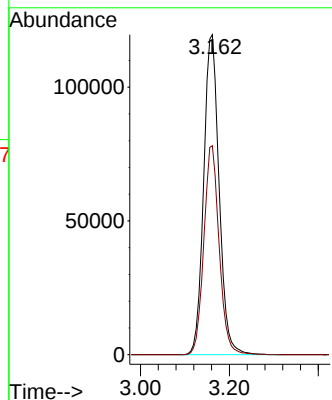
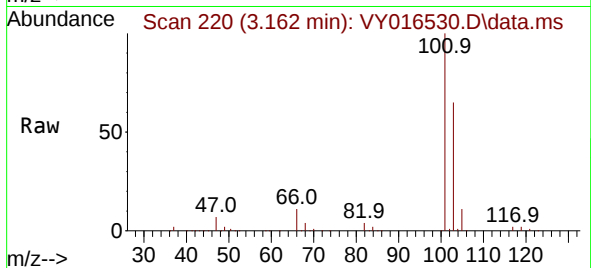




#7  
Trichlorofluoromethane  
Concen: 98.416 ug/l  
RT: 3.162 min Scan# 219  
Delta R.T. 0.006 min  
Lab File: VY016530.D  
Acq: 29 Nov 2023 10:18

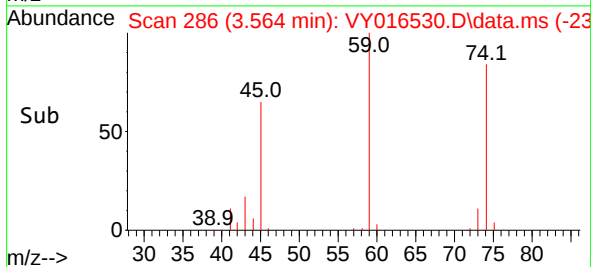
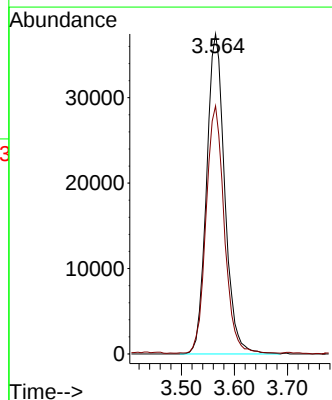
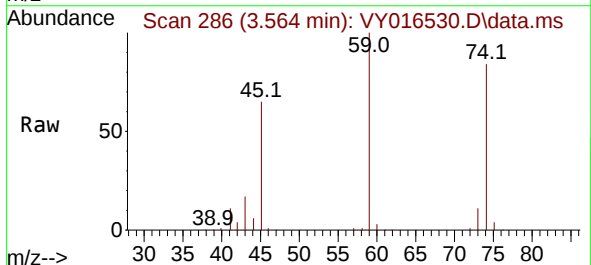
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

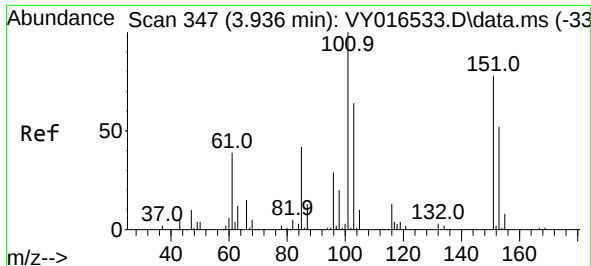
Tgt Ion:101 Resp: 289773  
Ion Ratio Lower Upper  
101 100  
103 65.3 51.4 77.0



#8  
Diethyl Ether  
Concen: 113.731 ug/l  
RT: 3.564 min Scan# 286  
Delta R.T. 0.006 min  
Lab File: VY016530.D  
Acq: 29 Nov 2023 10:18

Tgt Ion: 74 Resp: 88941  
Ion Ratio Lower Upper  
74 100  
45 77.7 51.5 154.5

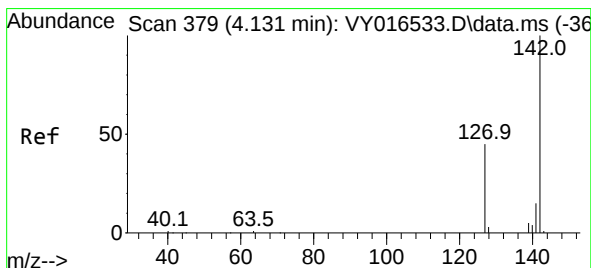
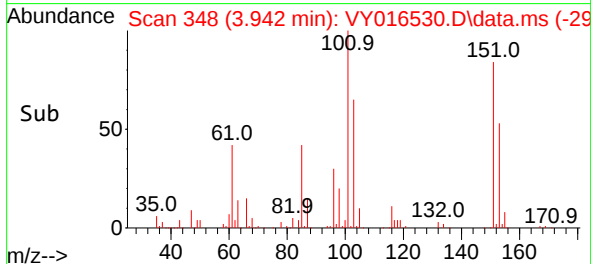
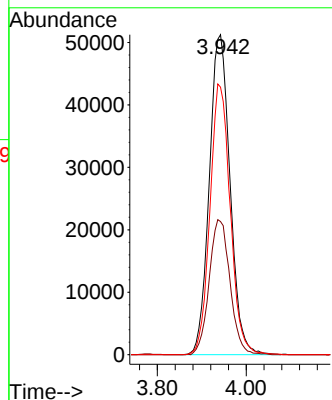
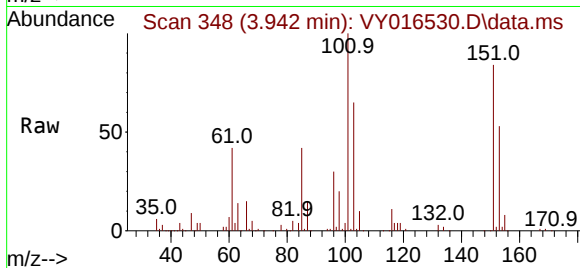




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 99.376 ug/l  
RT: 3.942 min Scan# 34  
Delta R.T. 0.006 min  
Lab File: VY016530.D  
Acq: 29 Nov 2023 10:18

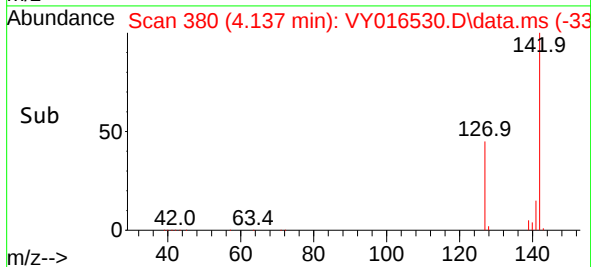
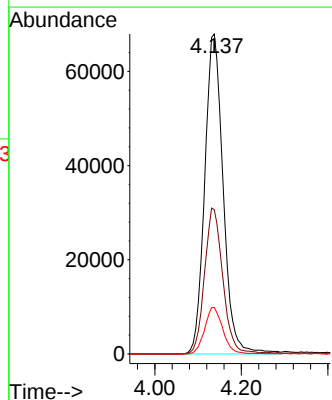
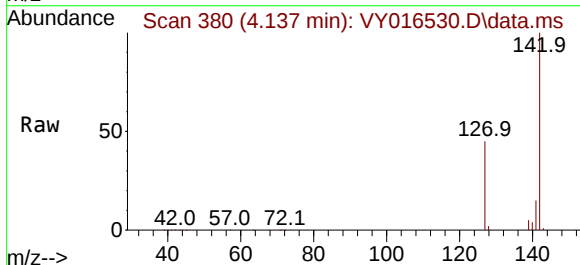
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

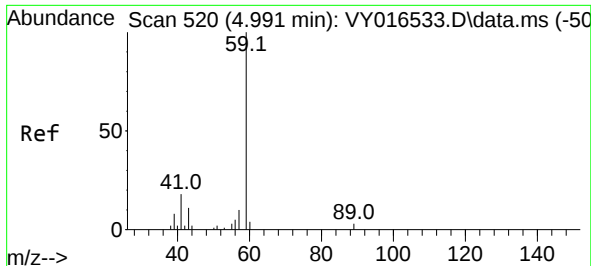
Tgt Ion:101 Resp: 166095  
Ion Ratio Lower Upper  
101 100  
85 42.4 36.6 55.0  
151 82.9 67.0 100.6



#10  
Methyl Iodide  
Concen: 106.479 ug/l  
RT: 4.137 min Scan# 380  
Delta R.T. 0.006 min  
Lab File: VY016530.D  
Acq: 29 Nov 2023 10:18

Tgt Ion:142 Resp: 201346  
Ion Ratio Lower Upper  
142 100  
127 45.1 37.6 56.4  
141 14.4 11.8 17.8

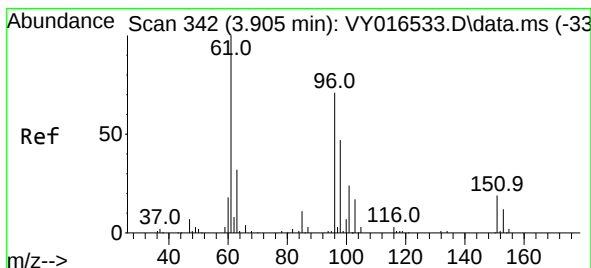
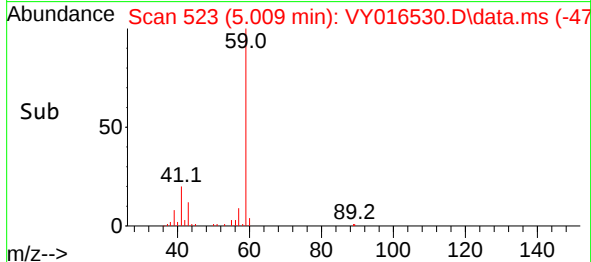
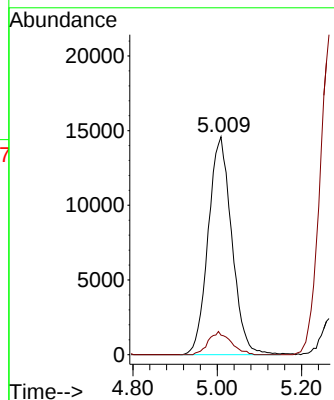
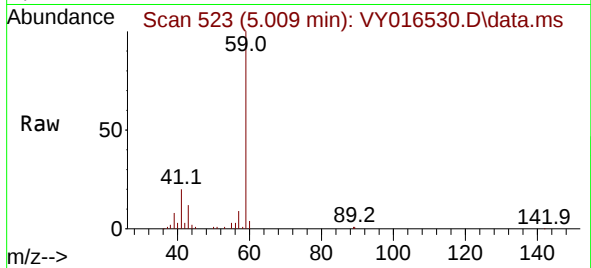




#11  
Tert butyl alcohol  
Concen: 651.908 ug/l  
RT: 5.009 min Scan# 51  
Delta R.T. 0.018 min  
Lab File: VY016530.D  
Acq: 29 Nov 2023 10:18

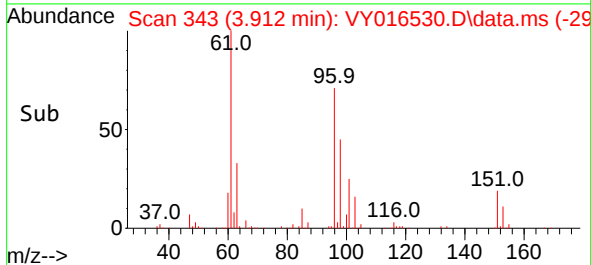
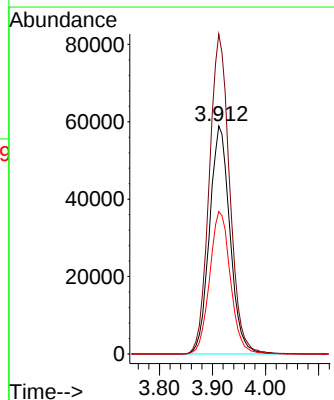
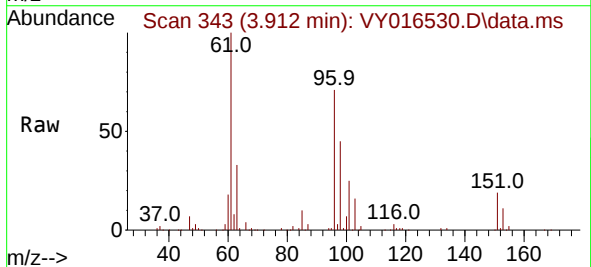
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

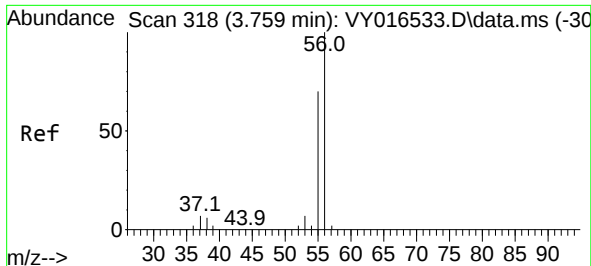
Tgt Ion: 59 Resp: 56607  
Ion Ratio Lower Upper  
59 100  
57 10.1 3.0 4.4#



#12  
1,1-Dichloroethene  
Concen: 101.112 ug/l  
RT: 3.912 min Scan# 343  
Delta R.T. 0.006 min  
Lab File: VY016530.D  
Acq: 29 Nov 2023 10:18

Tgt Ion: 96 Resp: 157943  
Ion Ratio Lower Upper  
96 100  
61 140.4 136.4 204.6  
98 62.5 49.4 74.2





#13

Acrolein

Concen: 652.415 ug/l

RT: 3.765 min Scan# 318

Delta R.T. 0.006 min

Lab File: VY016530.D

Acq: 29 Nov 2023 10:18

Instrument :

MSVOA\_Y

ClientSampleId :

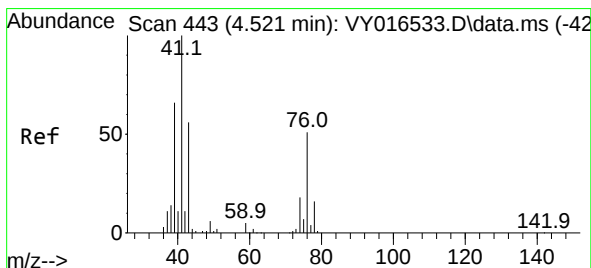
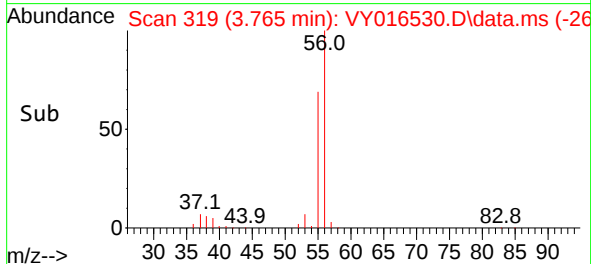
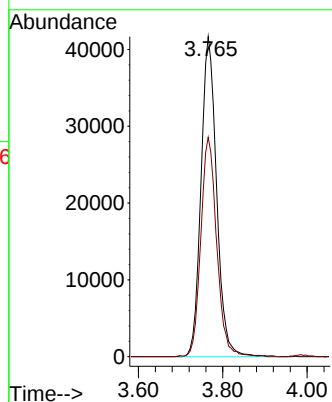
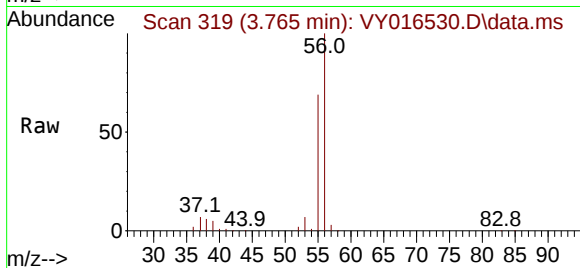
VSTDIC100

Tgt Ion: 56 Resp: 107348

Ion Ratio Lower Upper

56 100

55 69.7 57.0 85.4



#14

Allyl chloride

Concen: 104.555 ug/l

RT: 4.521 min Scan# 443

Delta R.T. 0.000 min

Lab File: VY016530.D

Acq: 29 Nov 2023 10:18

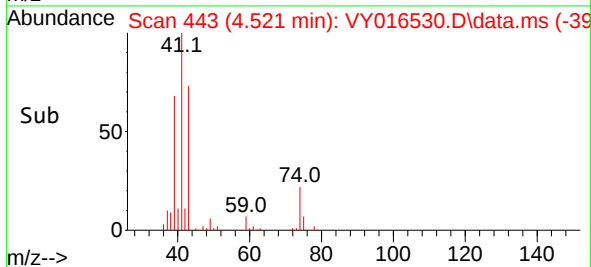
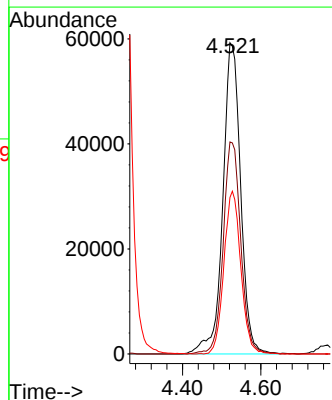
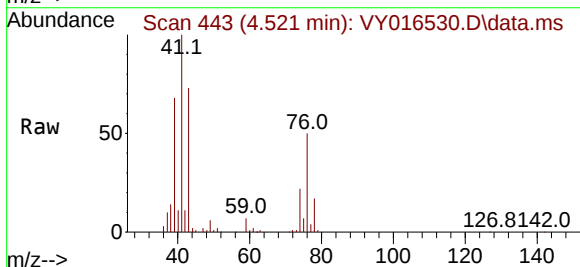
Tgt Ion: 41 Resp: 187754

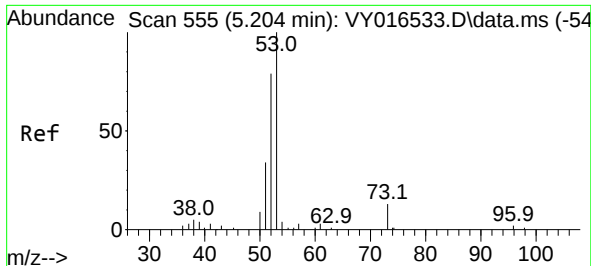
Ion Ratio Lower Upper

41 100

39 67.3 58.0 87.0

76 49.7 27.4 41.2#

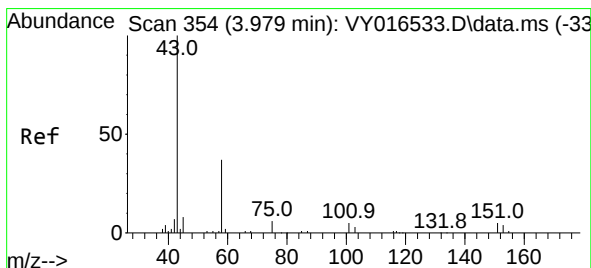
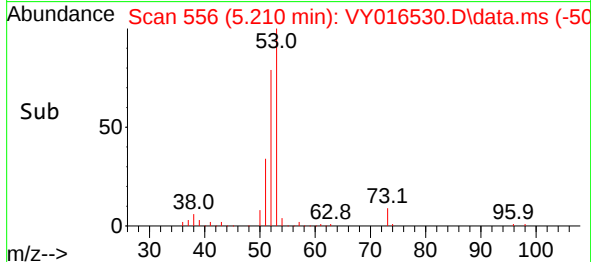
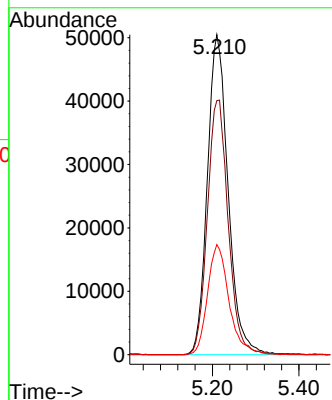
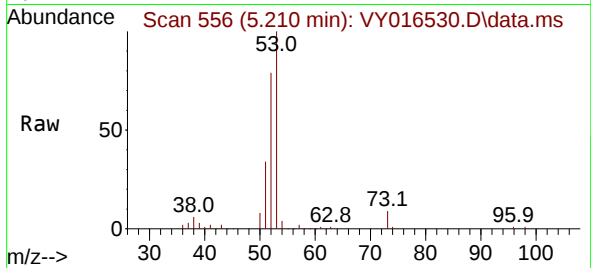




#15  
Acrylonitrile  
Concen: 607.331 ug/l  
RT: 5.210 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VY016530.D  
Acq: 29 Nov 2023 10:18

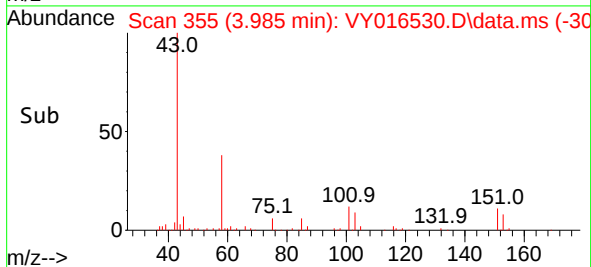
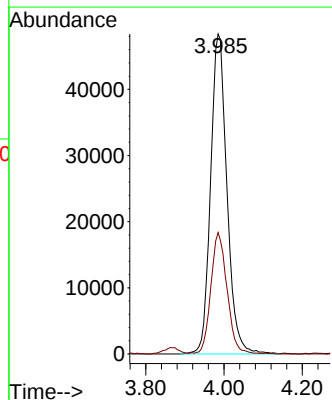
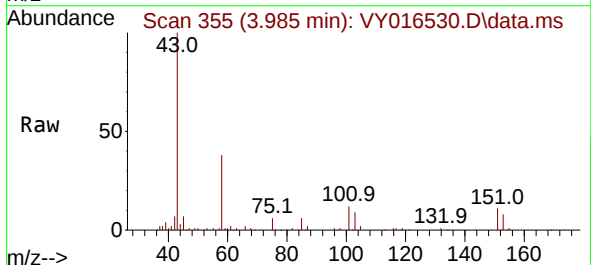
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

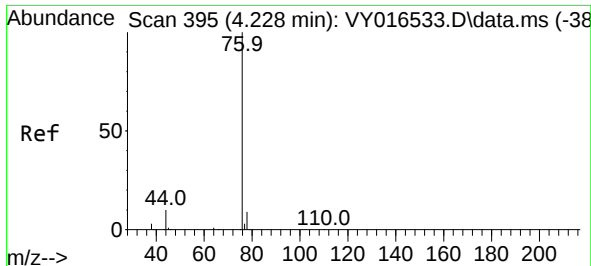
Tgt Ion: 53 Resp: 168068  
Ion Ratio Lower Upper  
53 100  
52 79.9 66.9 100.3  
51 35.7 29.8 44.6



#16  
Acetone  
Concen: 590.725 ug/l  
RT: 3.985 min Scan# 355  
Delta R.T. 0.006 min  
Lab File: VY016530.D  
Acq: 29 Nov 2023 10:18

Tgt Ion: 43 Resp: 139901  
Ion Ratio Lower Upper  
43 100  
58 38.0 22.7 34.1#

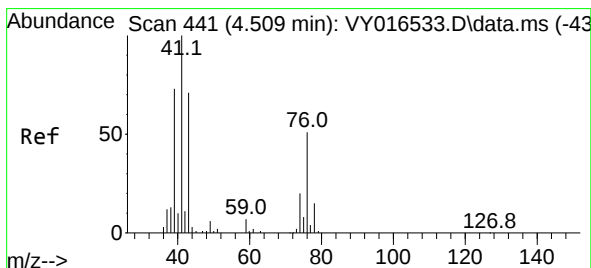
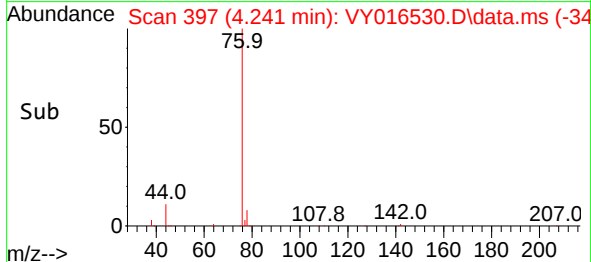
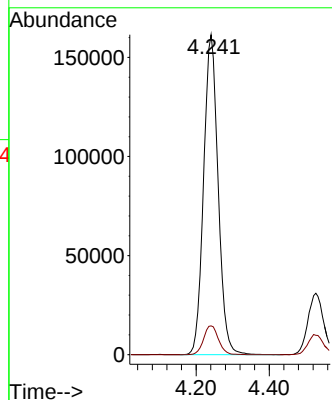
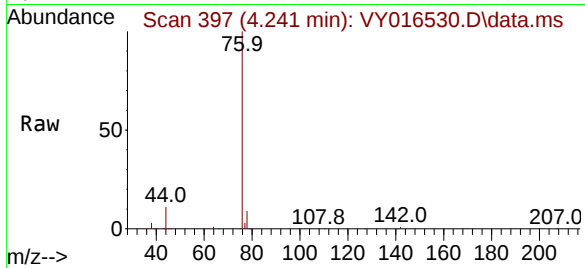




#17  
Carbon Disulfide  
Concen: 100.789 ug/l  
RT: 4.241 min Scan# 395  
Delta R.T. 0.012 min  
Lab File: VY016530.D  
Acq: 29 Nov 2023 10:18

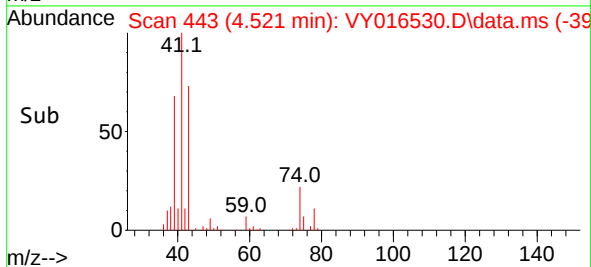
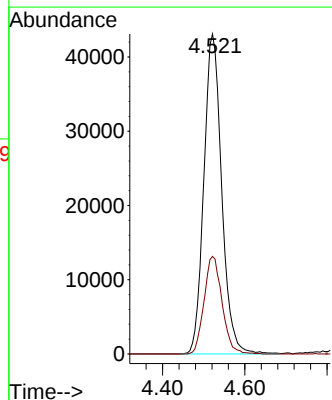
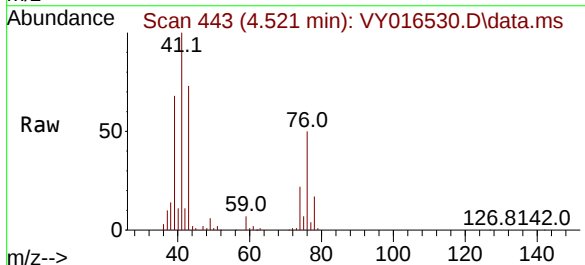
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

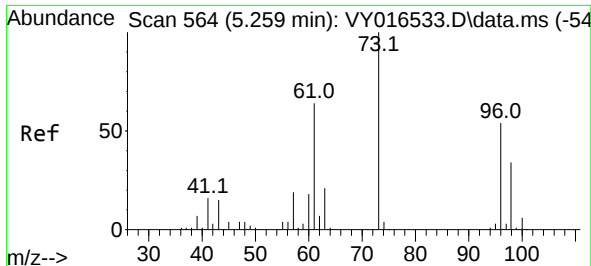
Tgt Ion: 76 Resp: 444182  
Ion Ratio Lower Upper  
76 100  
78 9.0 7.0 10.4



#18  
Methyl Acetate  
Concen: 128.029 ug/l  
RT: 4.521 min Scan# 443  
Delta R.T. 0.012 min  
Lab File: VY016530.D  
Acq: 29 Nov 2023 10:18

Tgt Ion: 43 Resp: 129834  
Ion Ratio Lower Upper  
43 100  
74 30.7 17.4 26.0#

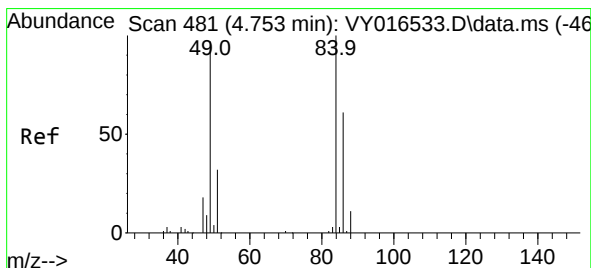
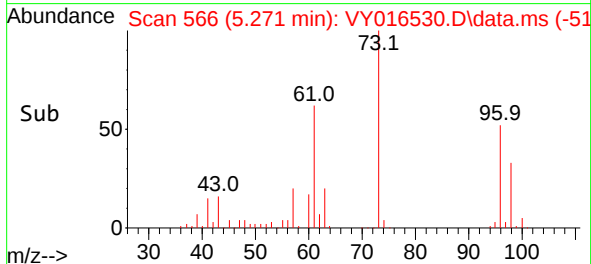
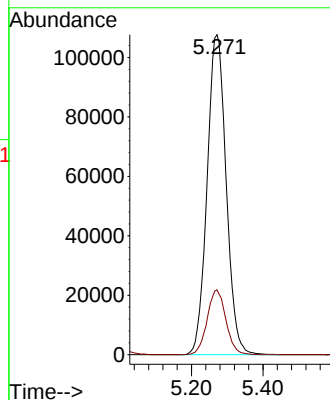
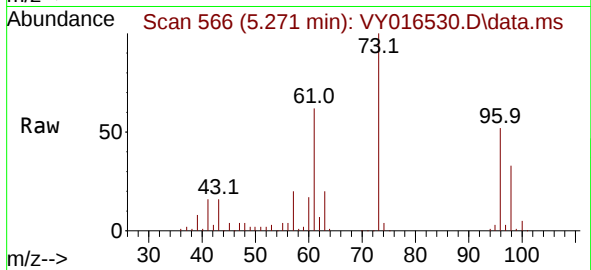




#19  
Methyl tert-butyl Ether  
Concen: 117.091 ug/l  
RT: 5.271 min Scan# 50  
Delta R.T. 0.012 min  
Lab File: VY016530.D  
Acq: 29 Nov 2023 10:18

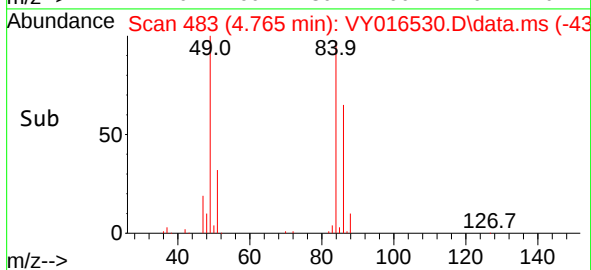
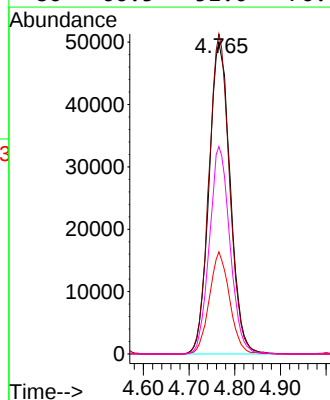
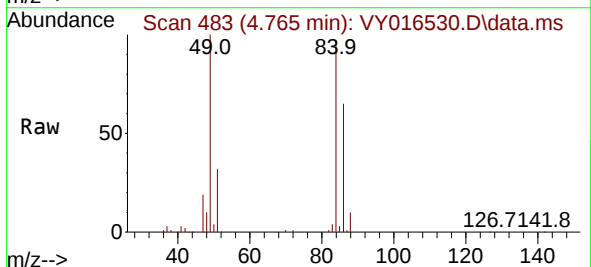
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

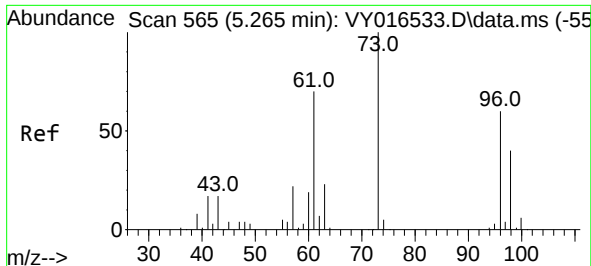
Tgt Ion: 73 Resp: 398582  
Ion Ratio Lower Upper  
73 100  
57 20.2 17.3 25.9



#20  
Methylene Chloride  
Concen: 103.223 ug/l  
RT: 4.765 min Scan# 483  
Delta R.T. 0.012 min  
Lab File: VY016530.D  
Acq: 29 Nov 2023 10:18

Tgt Ion: 84 Resp: 160784  
Ion Ratio Lower Upper  
84 100  
49 102.6 106.9 160.3#  
51 32.7 33.2 49.8#  
86 66.5 51.0 76.6

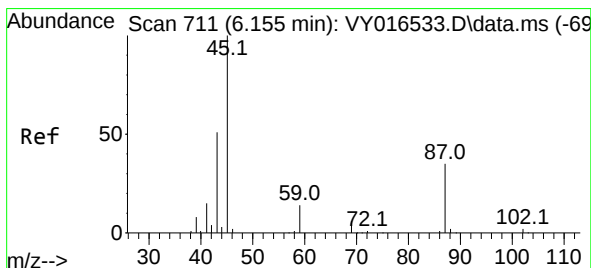
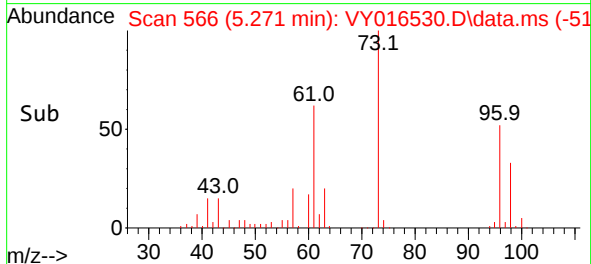
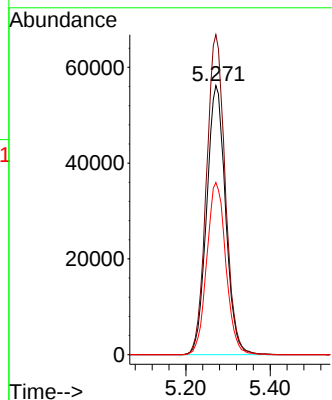
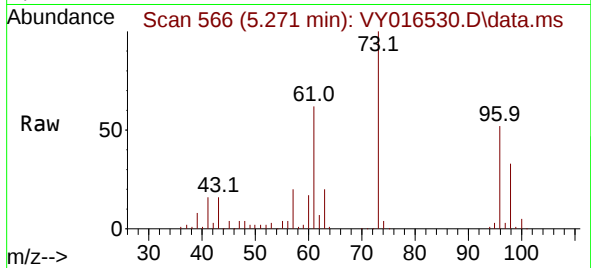




#21  
trans-1,2-Dichloroethene  
Concen: 100.598 ug/l  
RT: 5.271 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VY016530.D  
Acq: 29 Nov 2023 10:18

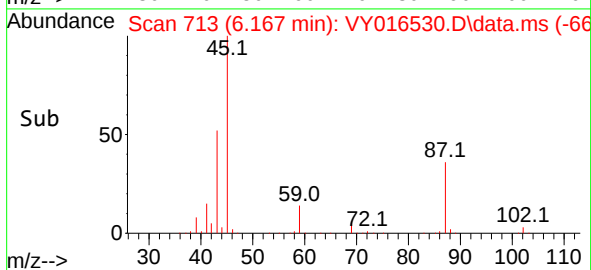
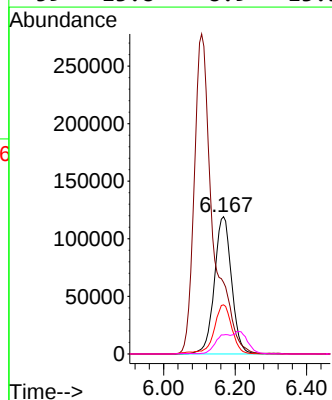
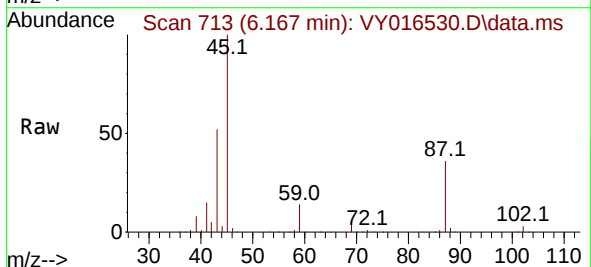
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

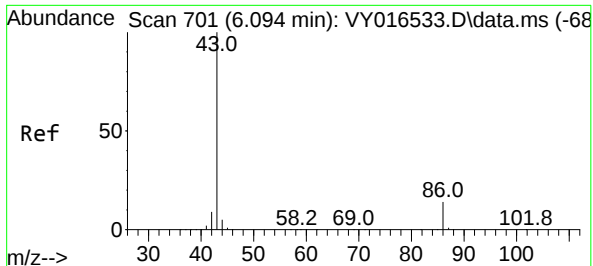
Tgt Ion: 96 Resp: 175019  
Ion Ratio Lower Upper  
96 100  
61 118.9 110.2 165.4  
98 64.0 51.8 77.6



#22  
Diisopropyl ether  
Concen: 105.710 ug/l  
RT: 6.167 min Scan# 713  
Delta R.T. 0.012 min  
Lab File: VY016530.D  
Acq: 29 Nov 2023 10:18

Tgt Ion: 45 Resp: 398039  
Ion Ratio Lower Upper  
45 100  
43 51.5 52.2 78.4#  
87 35.8 21.0 31.6#  
59 13.8 8.9 13.3#

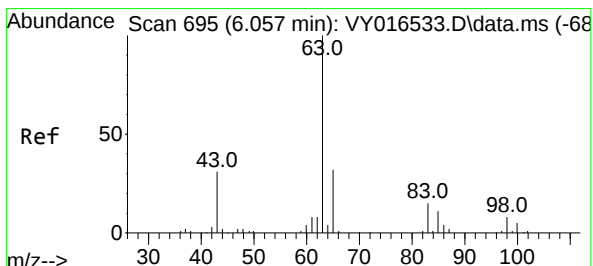
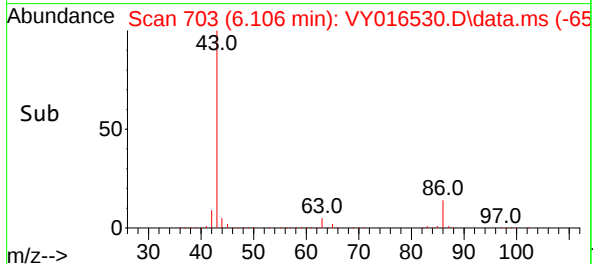
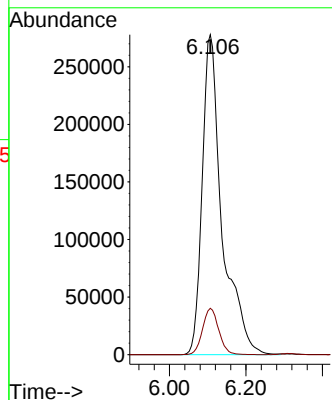
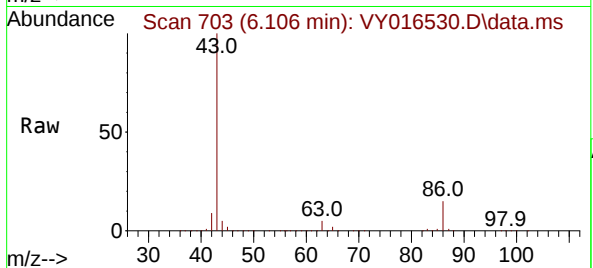




#23  
 Vinyl Acetate  
 Concen: 577.304 ug/l  
 RT: 6.106 min Scan# 701  
 Delta R.T. 0.012 min  
 Lab File: VY016530.D  
 Acq: 29 Nov 2023 10:18

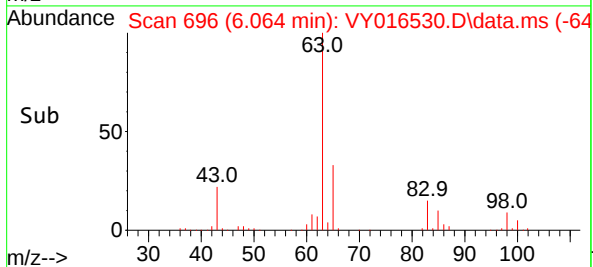
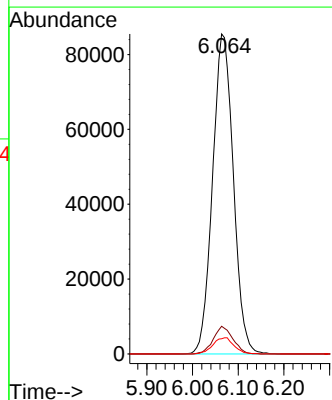
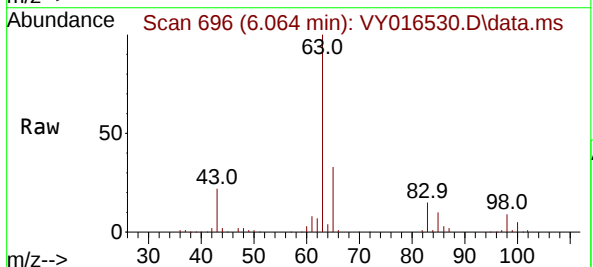
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC100

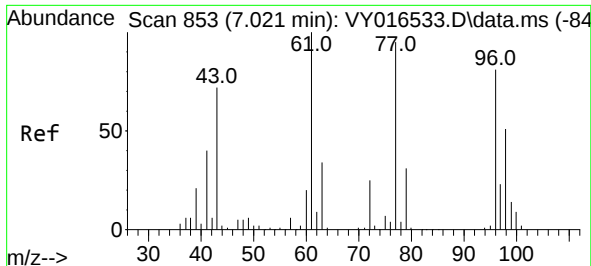
Tgt Ion: 43 Resp: 1002447  
 Ion Ratio Lower Upper  
 43 100  
 86 14.5 7.5 11.3#



#24  
 1,1-Dichloroethane  
 Concen: 101.597 ug/l  
 RT: 6.064 min Scan# 696  
 Delta R.T. 0.006 min  
 Lab File: VY016530.D  
 Acq: 29 Nov 2023 10:18

Tgt Ion: 63 Resp: 269981  
 Ion Ratio Lower Upper  
 63 100  
 98 8.6 3.1 9.4  
 100 4.8 1.8 5.5





#25

2-Butanone

Concen: 555.242 ug/l

RT: 7.027 min Scan# 854

Delta R.T. 0.006 min

Lab File: VY016530.D

Acq: 29 Nov 2023 10:18

Instrument :

MSVOA\_Y

ClientSampleId :

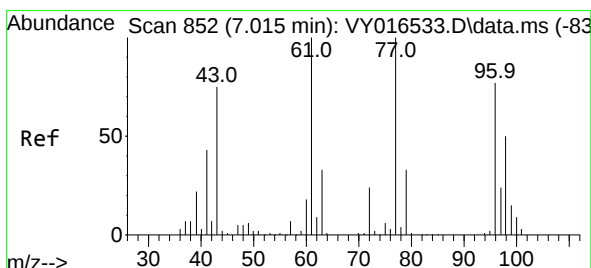
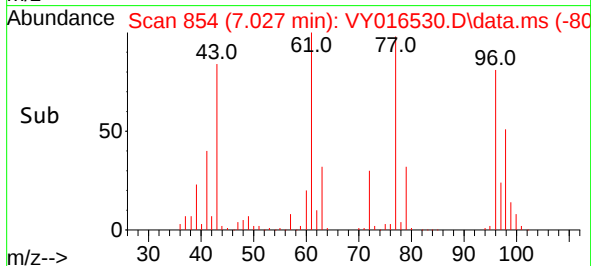
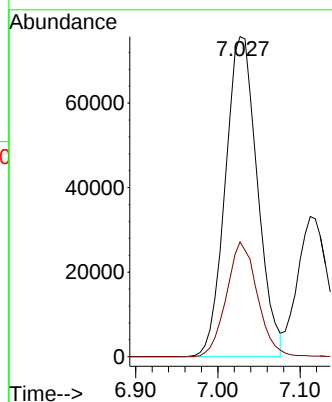
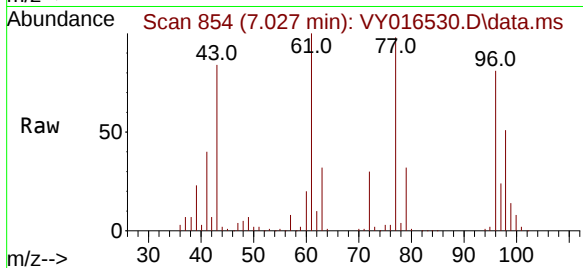
VSTDIC100

Tgt Ion: 43 Resp: 205235

Ion Ratio Lower Upper

43 100

72 35.9 20.5 30.7#



#26

2,2-Dichloropropane

Concen: 100.275 ug/l

RT: 7.027 min Scan# 854

Delta R.T. 0.012 min

Lab File: VY016530.D

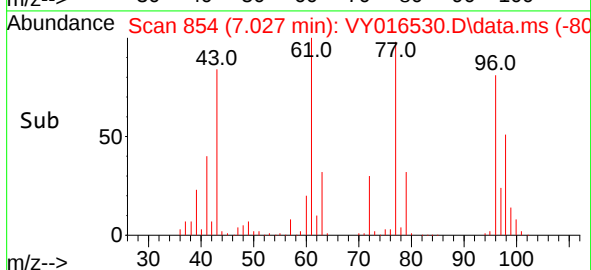
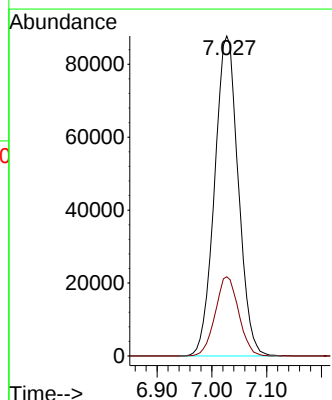
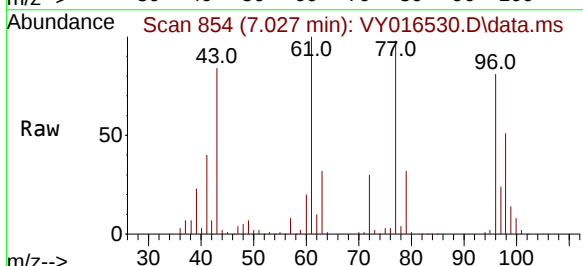
Acq: 29 Nov 2023 10:18

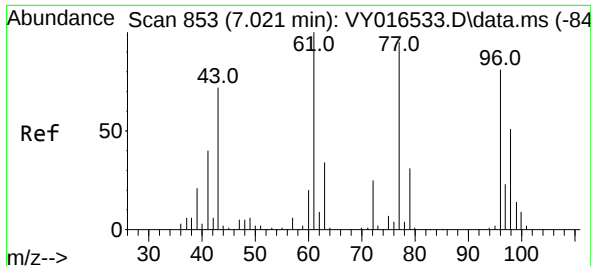
Tgt Ion: 77 Resp: 263362

Ion Ratio Lower Upper

77 100

97 24.5 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 105.391 ug/l

RT: 7.033 min Scan# 853

Delta R.T. 0.012 min

Lab File: VY016530.D

Acq: 29 Nov 2023 10:18

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC100

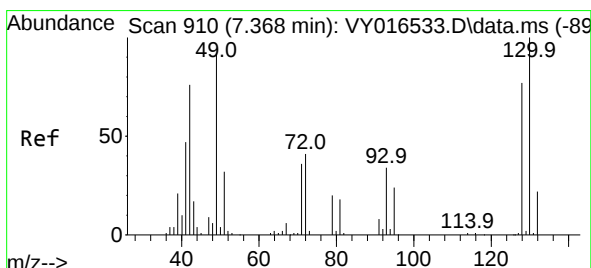
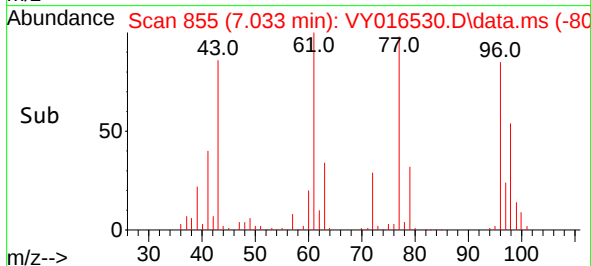
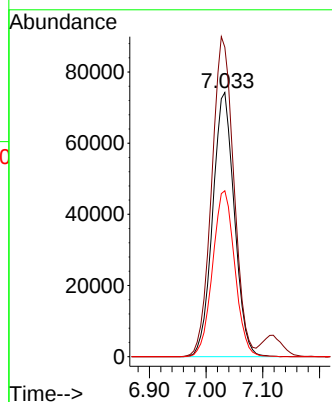
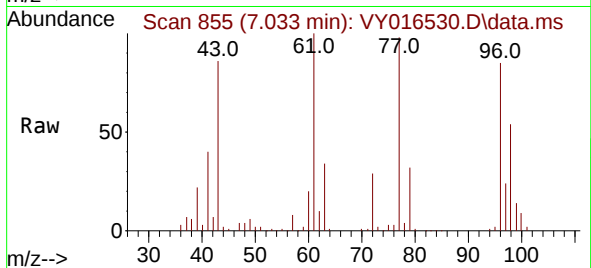
Tgt Ion: 96 Resp: 196989

Ion Ratio Lower Upper

96 100

61 124.1 0.0 301.4

98 64.4 0.0 130.4



#28

Bromochloromethane

Concen: 106.403 ug/l

RT: 7.374 min Scan# 911

Delta R.T. 0.006 min

Lab File: VY016530.D

Acq: 29 Nov 2023 10:18

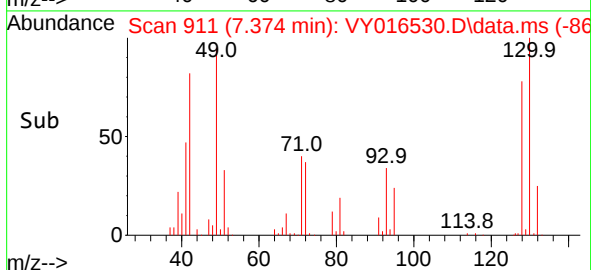
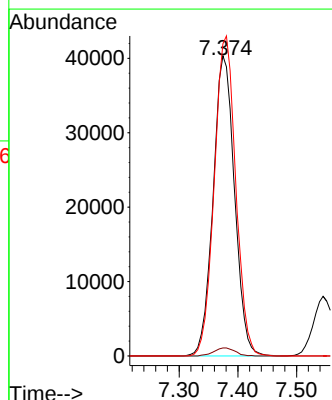
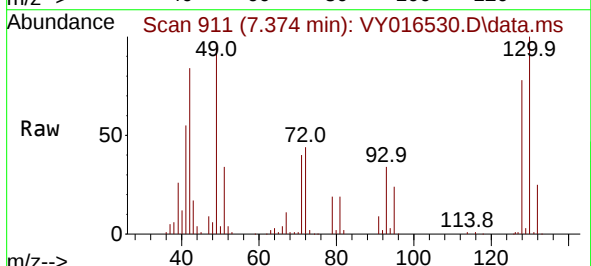
Tgt Ion: 49 Resp: 102188

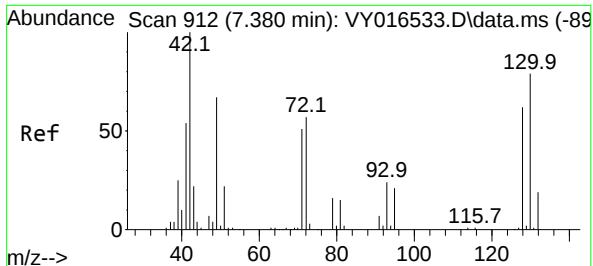
Ion Ratio Lower Upper

49 100

129 2.7 0.0 4.6

130 106.6 60.7 91.1#





#29

Tetrahydrofuran

Concen: 653.077 ug/l

RT: 7.387 min Scan# 912

Delta R.T. 0.006 min

Lab File: VY016530.D

Acq: 29 Nov 2023 10:18

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC100

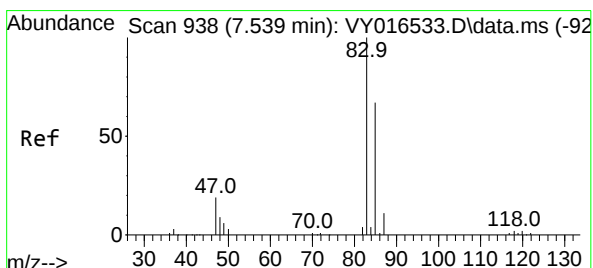
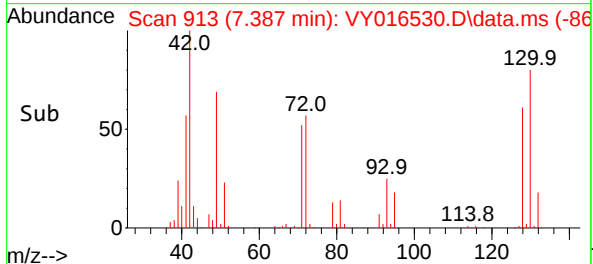
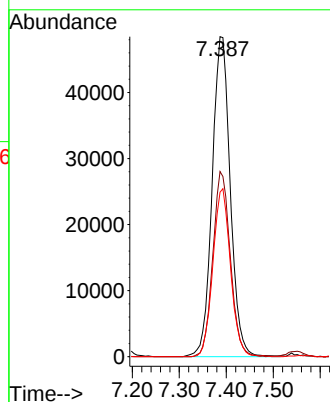
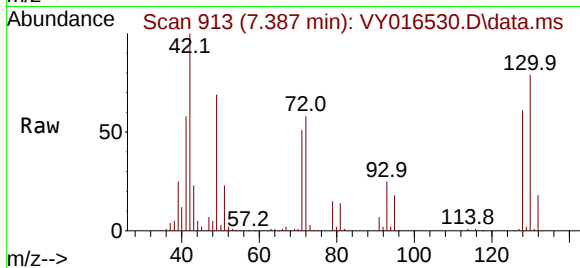
Tgt Ion: 42 Resp: 129683

Ion Ratio Lower Upper

42 100

72 55.9 32.8 49.2#

71 51.2 31.0 46.4#



#30

Chloroform

Concen: 101.839 ug/l

RT: 7.545 min Scan# 939

Delta R.T. 0.006 min

Lab File: VY016530.D

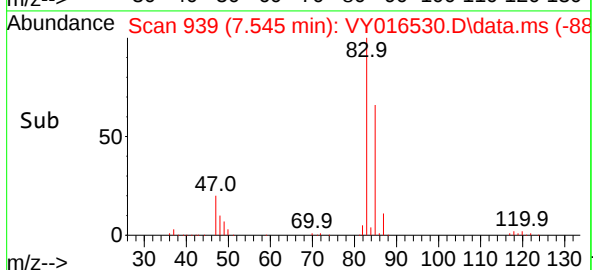
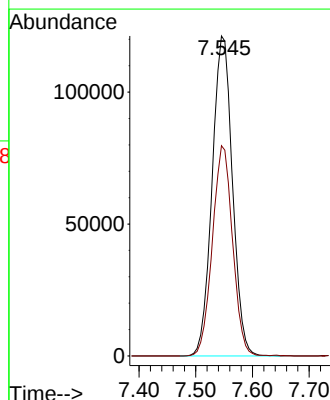
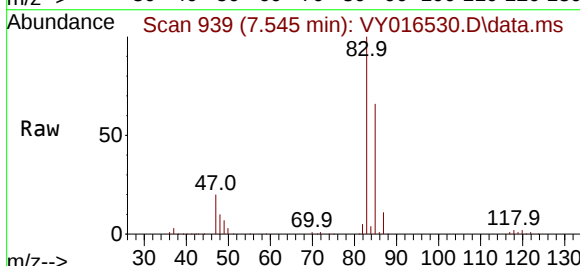
Acq: 29 Nov 2023 10:18

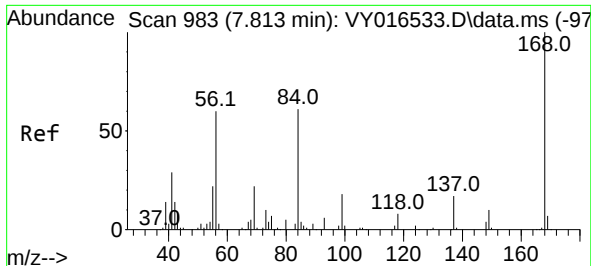
Tgt Ion: 83 Resp: 301632

Ion Ratio Lower Upper

83 100

85 65.7 49.7 74.5

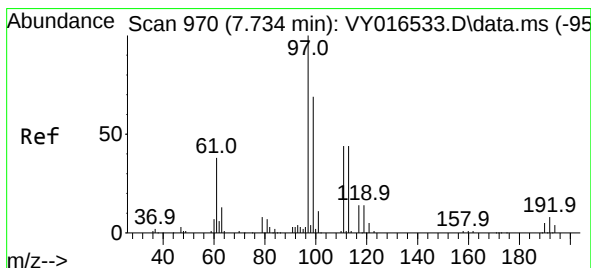
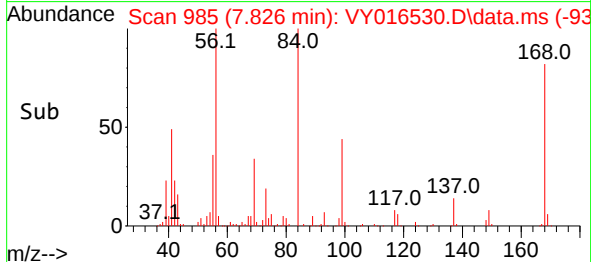
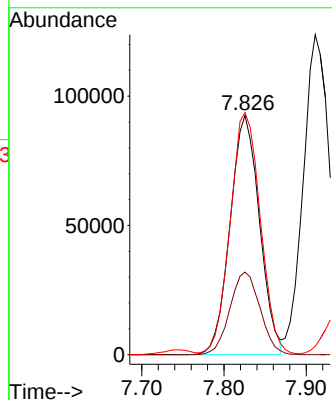
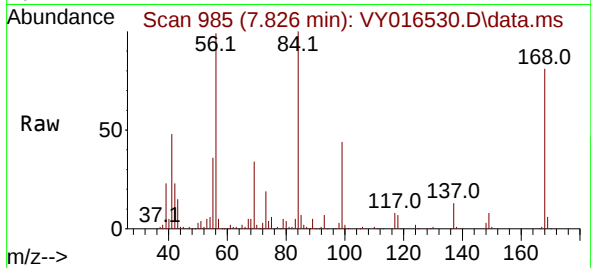




#31  
Cyclohexane  
Concen: 95.793 ug/l  
RT: 7.826 min Scan# 985  
Delta R.T. 0.012 min  
Lab File: VY016530.D  
Acq: 29 Nov 2023 10:18

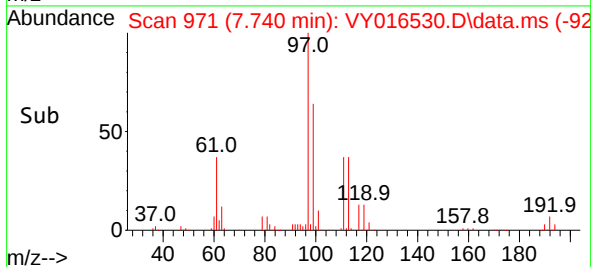
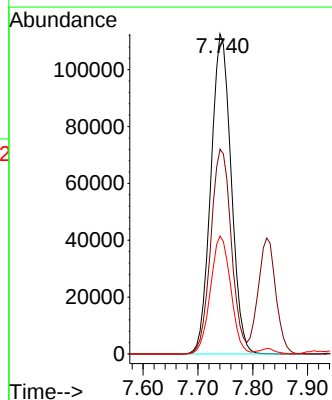
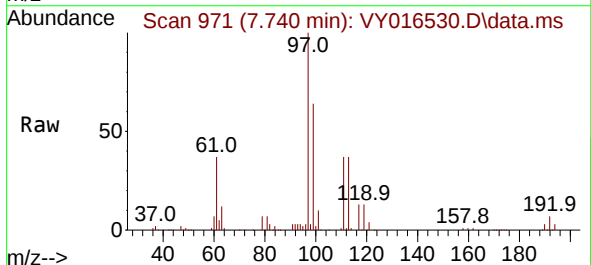
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

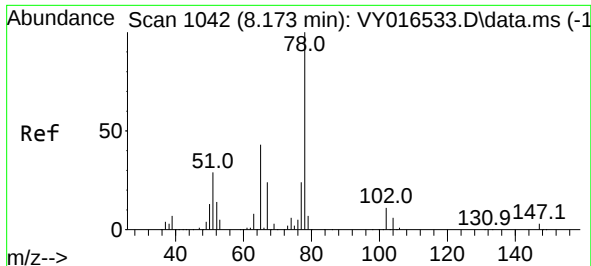
Tgt Ion: 56 Resp: 230397  
Ion Ratio Lower Upper  
56 100  
69 34.5 27.8 41.6  
84 99.1 66.4 99.6



#32  
1,1,1-Trichloroethane  
Concen: 100.584 ug/l  
RT: 7.740 min Scan# 971  
Delta R.T. 0.006 min  
Lab File: VY016530.D  
Acq: 29 Nov 2023 10:18

Tgt Ion: 97 Resp: 288693  
Ion Ratio Lower Upper  
97 100  
99 64.9 50.8 76.2  
61 36.8 35.1 52.7





#33

1,2-Dichloroethane-d4

Concen: 111.328 ug/l

RT: 8.179 min Scan# 1042

Delta R.T. 0.006 min

Lab File: VY016530.D

Acq: 29 Nov 2023 10:18

Instrument :

MSVOA\_Y

ClientSampleId :

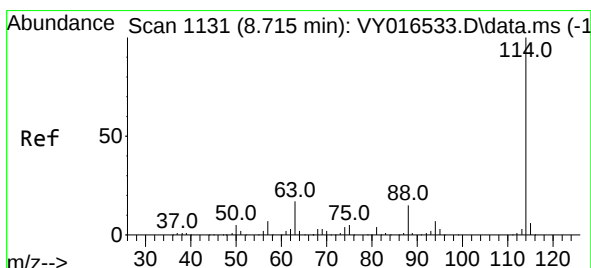
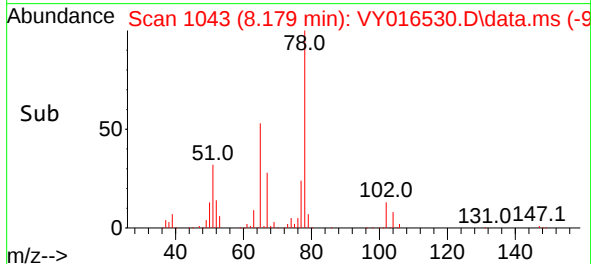
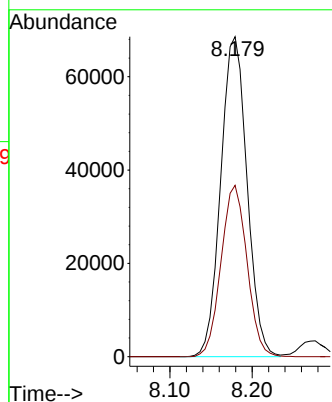
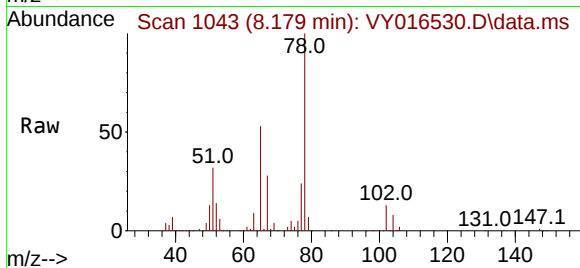
VSTDIC100

Tgt Ion: 65 Resp: 152520

Ion Ratio Lower Upper

65 100

67 52.8 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.722 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY016530.D

Acq: 29 Nov 2023 10:18

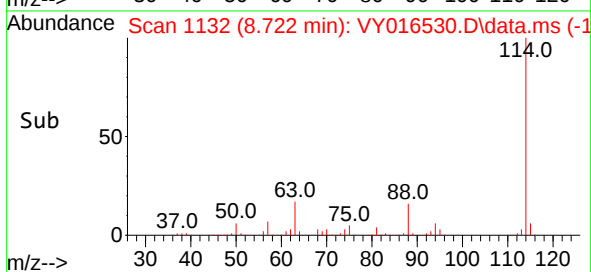
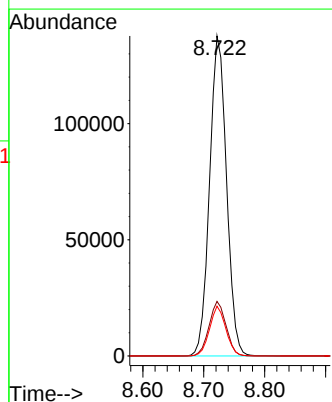
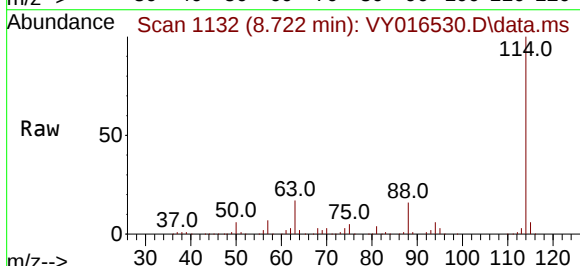
Tgt Ion: 114 Resp: 265976

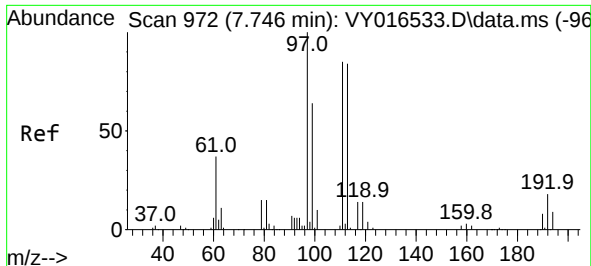
Ion Ratio Lower Upper

114 100

63 17.1 0.0 42.4

88 15.6 0.0 30.6

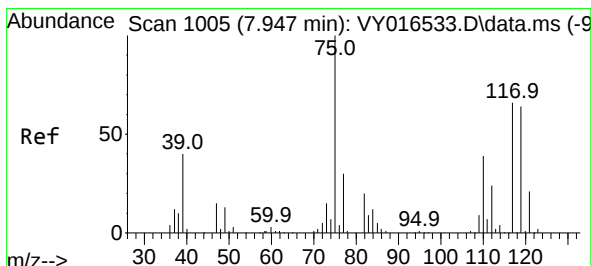
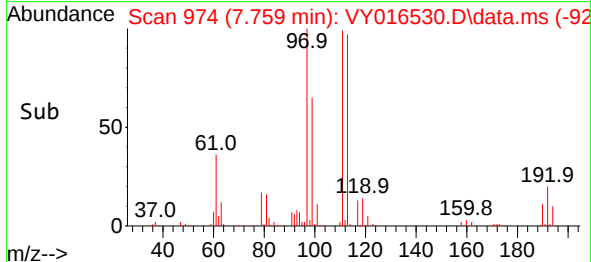
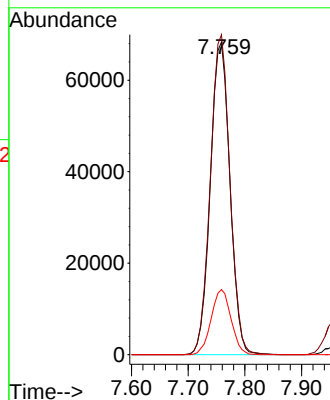
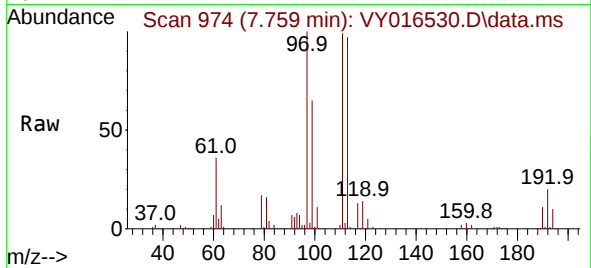




#35  
Dibromofluoromethane  
Concen: 105.127 ug/l  
RT: 7.759 min Scan# 91  
Delta R.T. 0.012 min  
Lab File: VY016530.D  
Acq: 29 Nov 2023 10:18

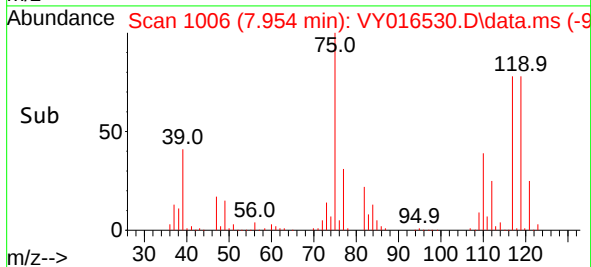
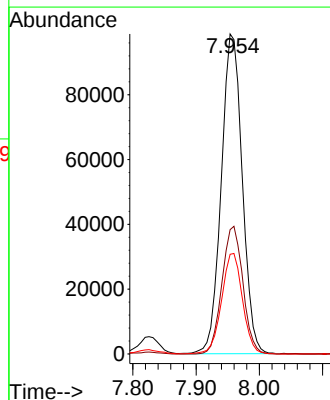
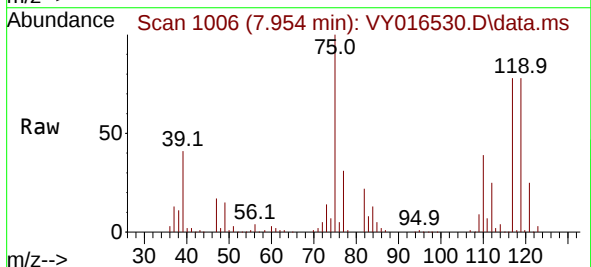
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

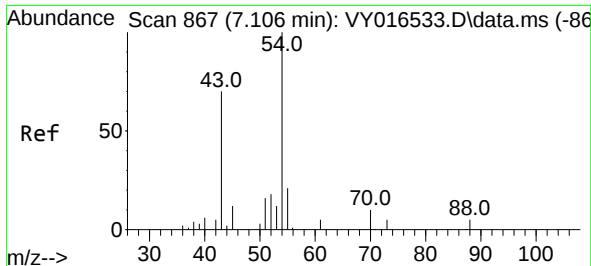
Tgt Ion:113 Resp: 164107  
Ion Ratio Lower Upper  
113 100  
111 102.7 81.3 121.9  
192 21.1 16.9 25.3



#36  
1,1-Dichloropropene  
Concen: 98.503 ug/l  
RT: 7.954 min Scan# 1006  
Delta R.T. 0.006 min  
Lab File: VY016530.D  
Acq: 29 Nov 2023 10:18

Tgt Ion: 75 Resp: 227067  
Ion Ratio Lower Upper  
75 100  
110 39.7 17.8 53.5  
77 31.3 24.4 36.6





#37

Ethyl Acetate

Concen: 123.276 ug/l

RT: 7.112 min Scan# 8

Delta R.T. 0.006 min

Lab File: VY016530.D

Acq: 29 Nov 2023 10:18

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC100

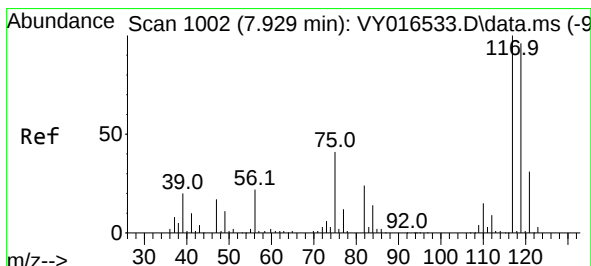
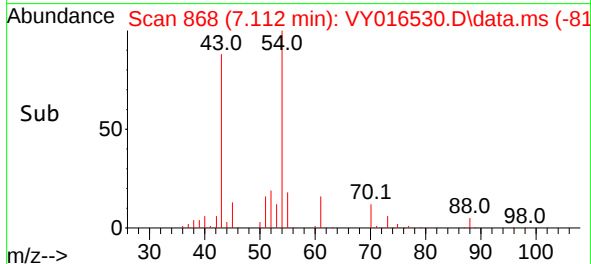
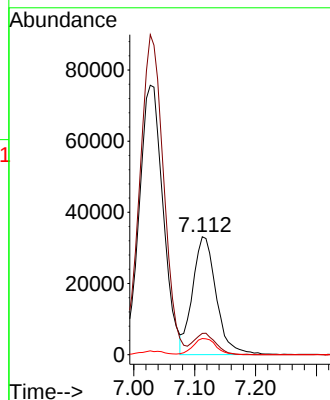
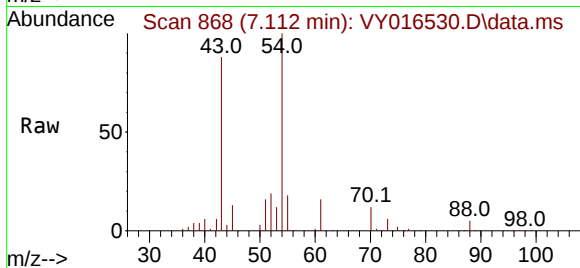
Tgt Ion: 43 Resp: 89067

Ion Ratio Lower Upper

43 100

61 16.8 10.1 15.1#

70 13.3 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 99.759 ug/l

RT: 7.941 min Scan# 1004

Delta R.T. 0.012 min

Lab File: VY016530.D

Acq: 29 Nov 2023 10:18

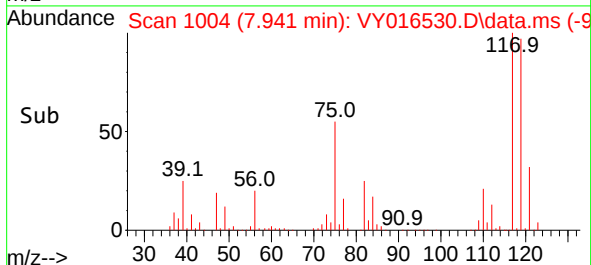
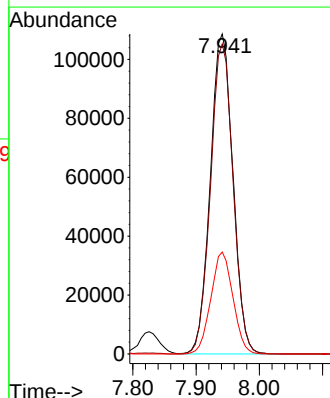
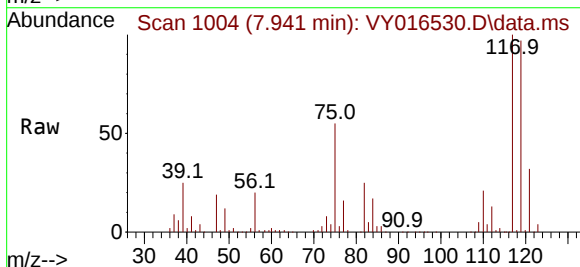
Tgt Ion: 117 Resp: 269907

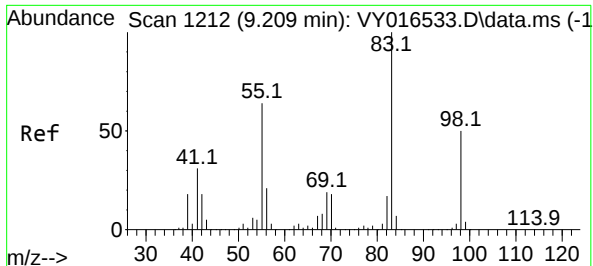
Ion Ratio Lower Upper

117 100

119 96.9 76.4 114.6

121 31.8 25.8 38.6





#39

Methylcyclohexane

Concen: 103.547 ug/l

RT: 9.216 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY016530.D

Acq: 29 Nov 2023 10:18

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC100

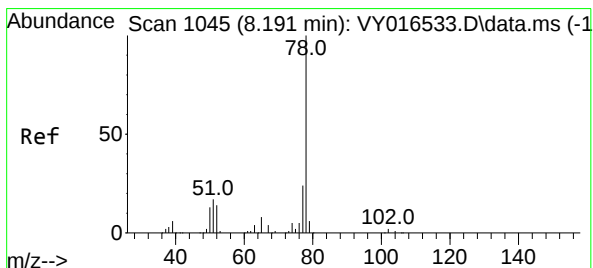
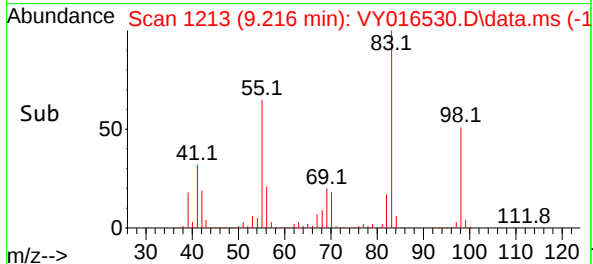
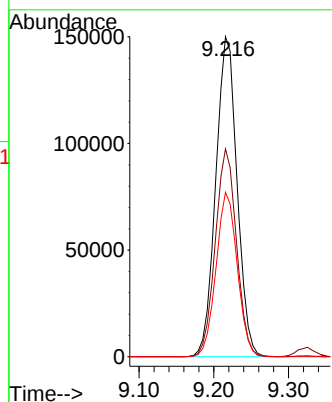
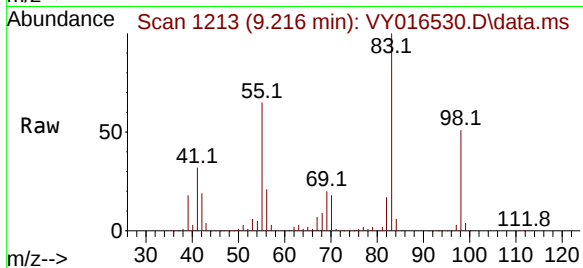
Tgt Ion: 83 Resp: 297727

Ion Ratio Lower Upper

83 100

55 64.9 63.0 94.4

98 51.3 37.4 56.2



#40

Benzene

Concen: 100.531 ug/l

RT: 8.197 min Scan# 1046

Delta R.T. 0.006 min

Lab File: VY016530.D

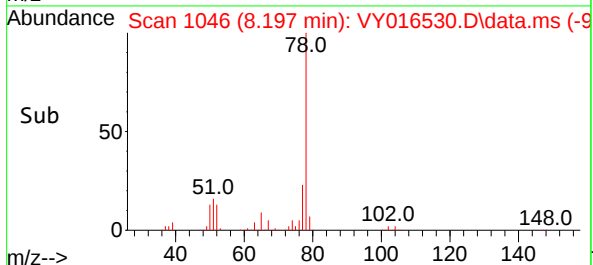
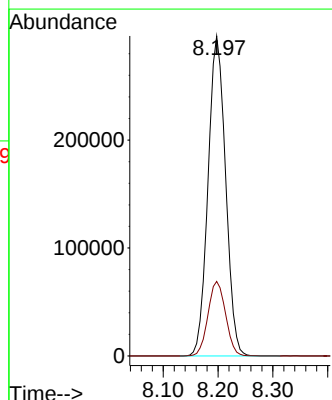
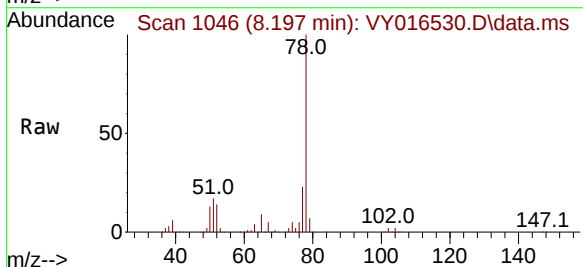
Acq: 29 Nov 2023 10:18

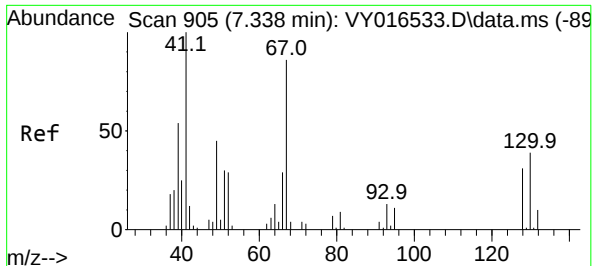
Tgt Ion: 78 Resp: 657070

Ion Ratio Lower Upper

78 100

77 23.3 19.0 28.6

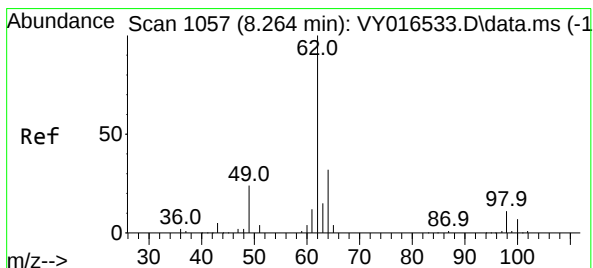
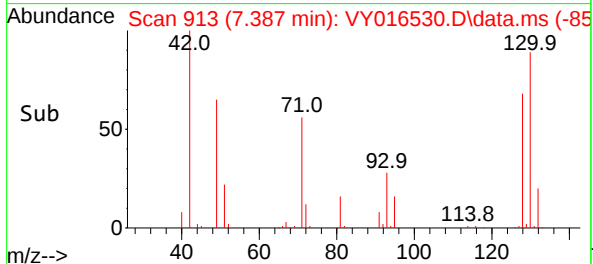
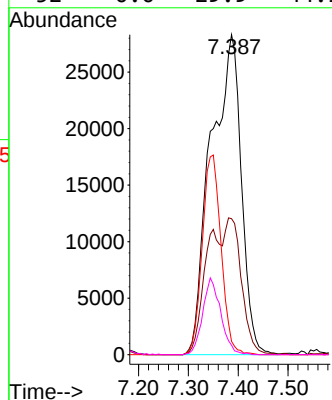
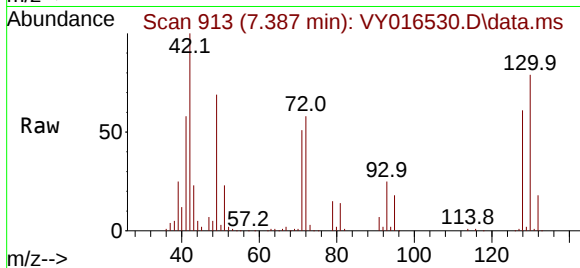




#41  
Methacrylonitrile  
Concen: 300.038 ug/l  
RT: 7.387 min Scan# 913  
Delta R.T. 0.049 min  
Lab File: VY016530.D  
Acq: 29 Nov 2023 10:18

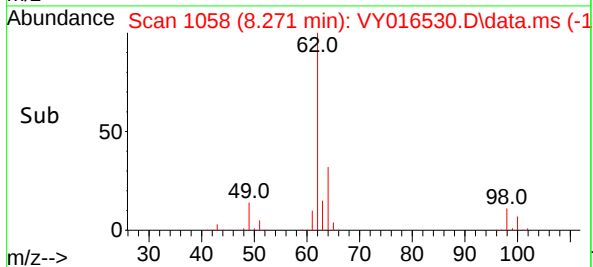
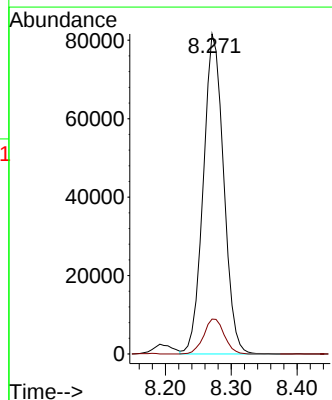
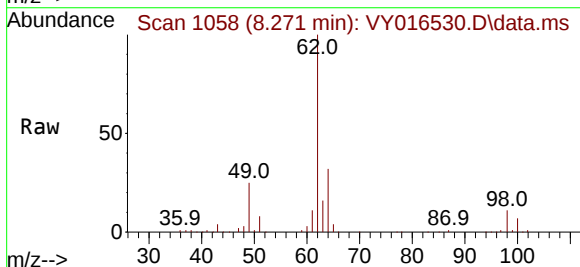
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC100

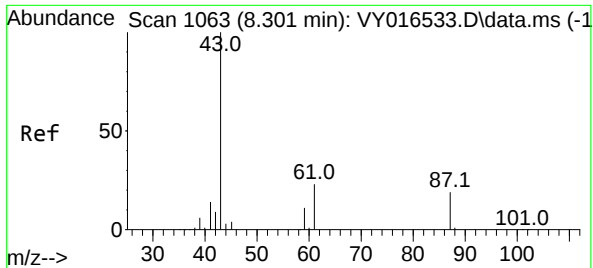
Tgt Ion: 41 Resp: 119838  
Ion Ratio Lower Upper  
41 100  
39 23.5 52.1 78.1#  
67 0.0 66.2 99.2#  
52 0.0 29.9 44.9#



#42  
1,2-Dichloroethane  
Concen: 108.635 ug/l  
RT: 8.271 min Scan# 1058  
Delta R.T. 0.006 min  
Lab File: VY016530.D  
Acq: 29 Nov 2023 10:18

Tgt Ion: 62 Resp: 175953  
Ion Ratio Lower Upper  
62 100  
98 11.0 0.0 15.8

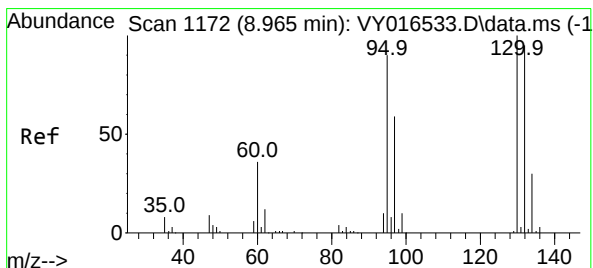
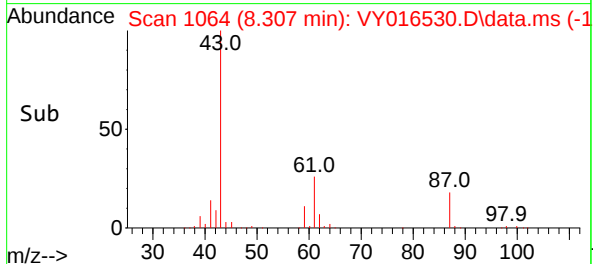
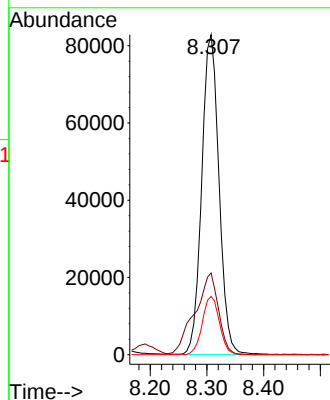
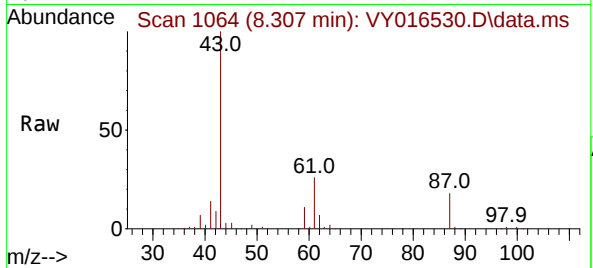




#43  
Isopropyl Acetate  
Concen: 123.140 ug/l  
RT: 8.307 min Scan# 1064  
Delta R.T. 0.006 min  
Lab File: VY016530.D  
Acq: 29 Nov 2023 10:18

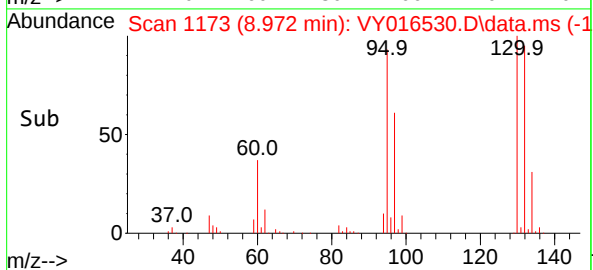
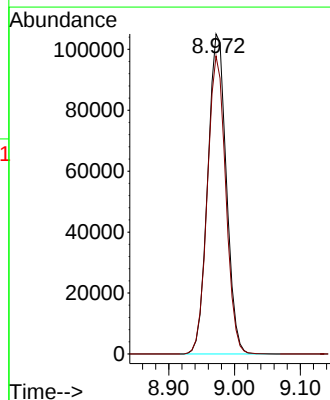
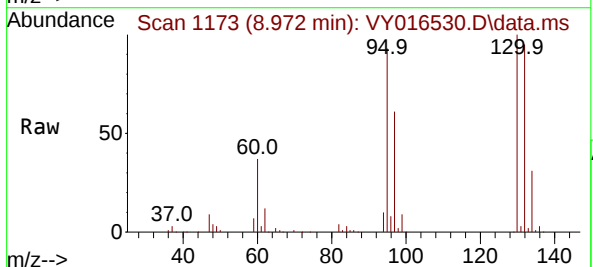
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

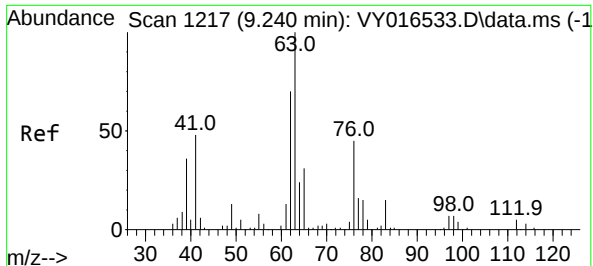
Tgt Ion: 43 Resp: 174949  
Ion Ratio Lower Upper  
43 100  
61 34.9 21.1 31.7#  
87 18.0 9.8 14.8#



#44  
Trichloroethene  
Concen: 102.619 ug/l  
RT: 8.972 min Scan# 1173  
Delta R.T. 0.006 min  
Lab File: VY016530.D  
Acq: 29 Nov 2023 10:18

Tgt Ion:130 Resp: 206591  
Ion Ratio Lower Upper  
130 100  
95 93.1 0.0 196.0





#45

1,2-Dichloropropane

Concen: 103.763 ug/l

RT: 9.246 min Scan# 1217

Delta R.T. 0.006 min

Lab File: VY016530.D

Acq: 29 Nov 2023 10:18

Instrument :

MSVOA\_Y

ClientSampleId :

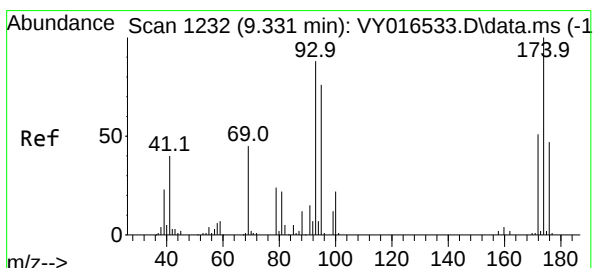
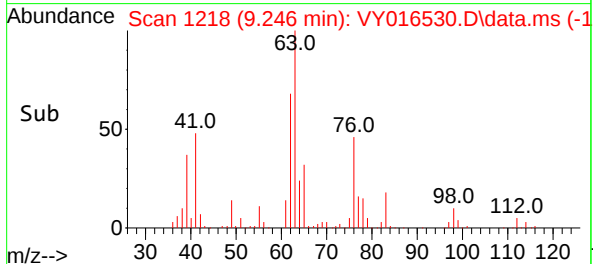
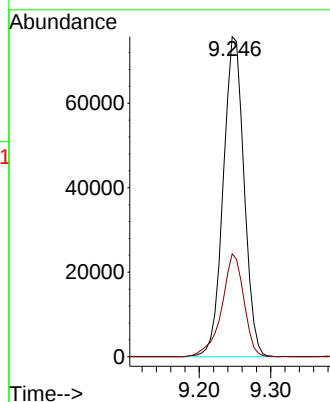
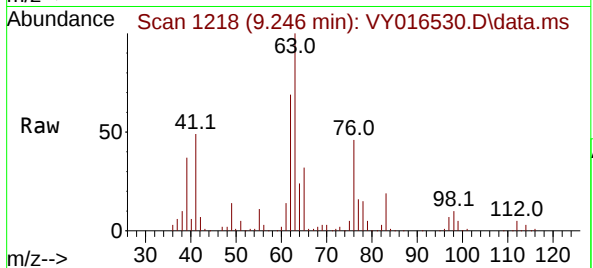
VSTDICC100

Tgt Ion: 63 Resp: 153033

Ion Ratio Lower Upper

63 100

65 32.2 23.8 35.6



#46

Dibromomethane

Concen: 110.685 ug/l

RT: 9.338 min Scan# 1233

Delta R.T. 0.006 min

Lab File: VY016530.D

Acq: 29 Nov 2023 10:18

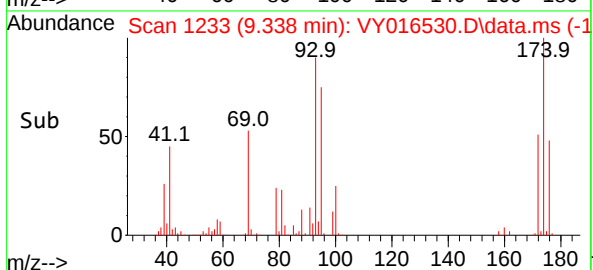
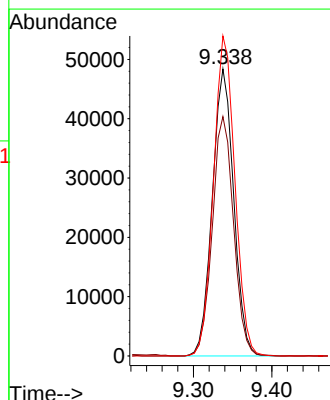
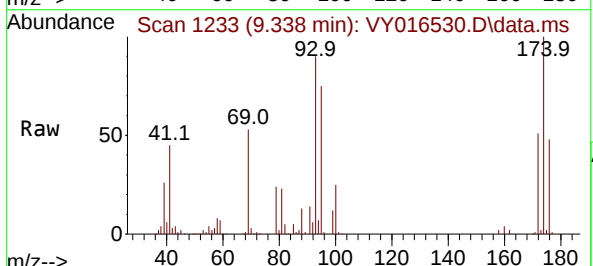
Tgt Ion: 93 Resp: 91791

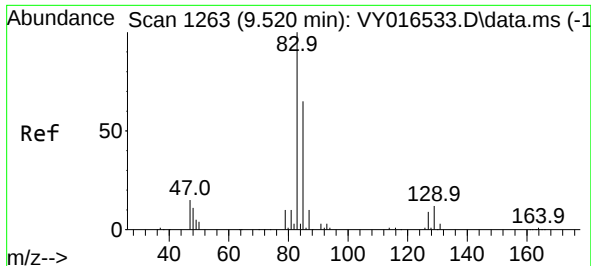
Ion Ratio Lower Upper

93 100

95 83.1 66.6 100.0

174 111.9 84.8 127.2





#47

Bromodichloromethane

Concen: 106.753 ug/l

RT: 9.527 min Scan# 1264

Delta R.T. 0.006 min

Lab File: VY016530.D

Acq: 29 Nov 2023 10:18

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC100

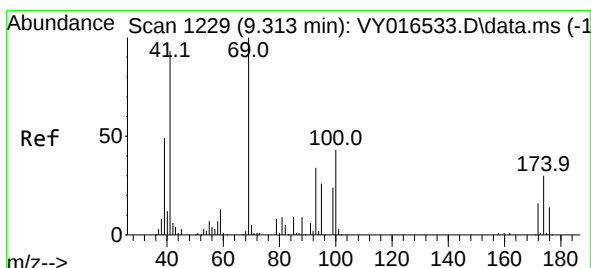
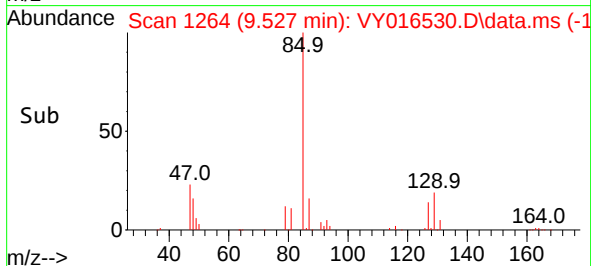
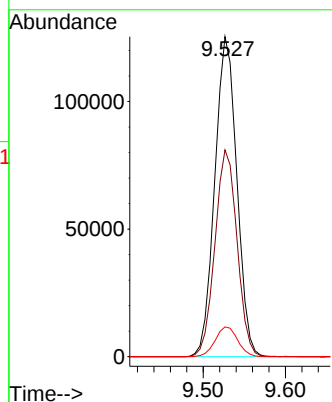
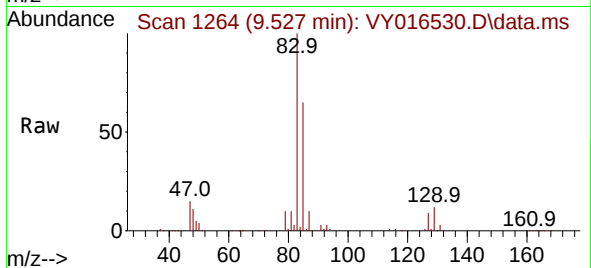
Tgt Ion: 83 Resp: 233739

Ion Ratio Lower Upper

83 100

85 64.6 50.1 75.1

127 9.3 7.1 10.7



#48

Methyl methacrylate

Concen: 125.365 ug/l

RT: 9.325 min Scan# 1231

Delta R.T. 0.012 min

Lab File: VY016530.D

Acq: 29 Nov 2023 10:18

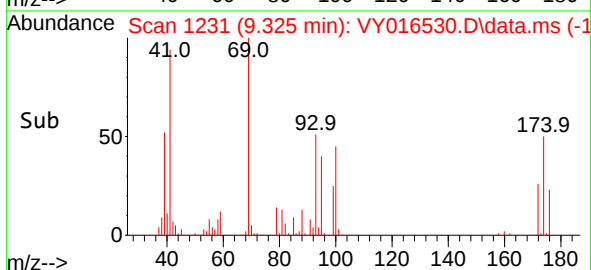
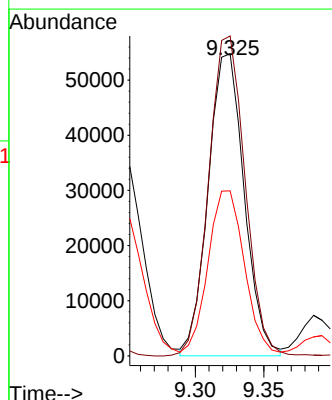
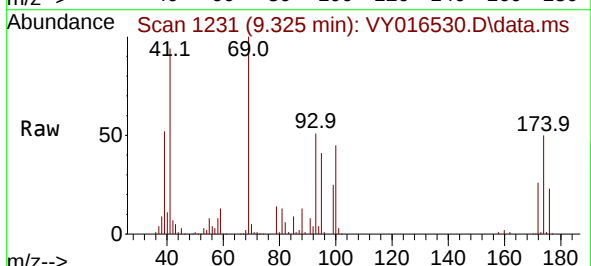
Tgt Ion: 41 Resp: 99994

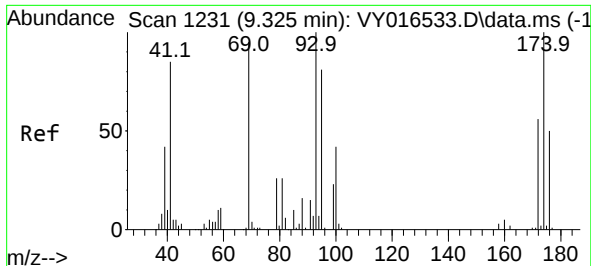
Ion Ratio Lower Upper

41 100

69 107.2 64.5 96.7

39 53.4 50.8 76.2





#49

1,4-Dioxane

Concen: 2619.740 ug/l

RT: 9.331 min Scan# 1232

Delta R.T. 0.006 min

Lab File: VY016530.D

Acq: 29 Nov 2023 10:18

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC100

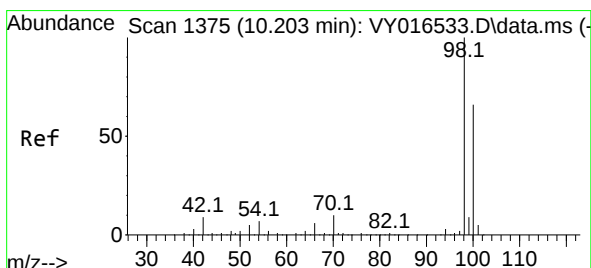
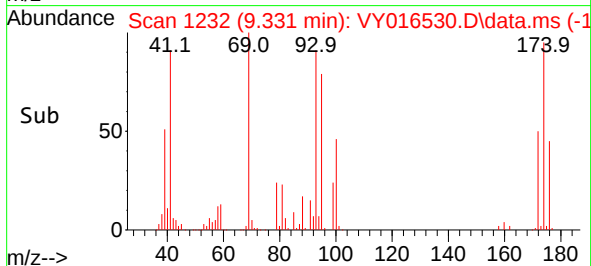
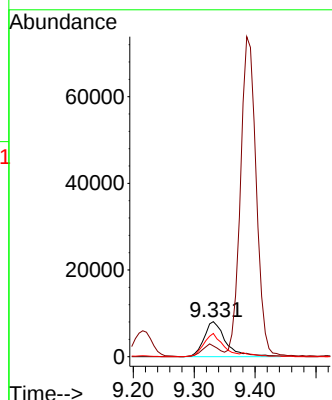
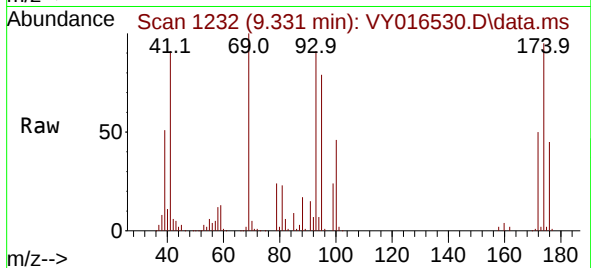
Tgt Ion: 88 Resp: 20118

Ion Ratio Lower Upper

88 100

43 27.5 0.0 0.0#

58 58.1 30.9 46.3#



#50

Toluene-d8

Concen: 105.056 ug/l

RT: 10.209 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY016530.D

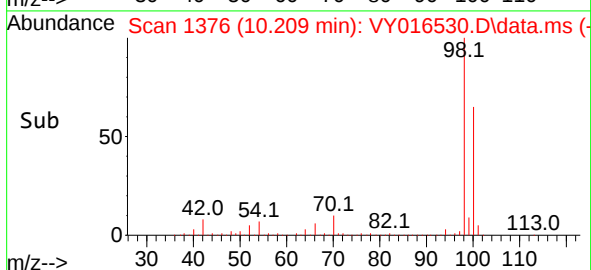
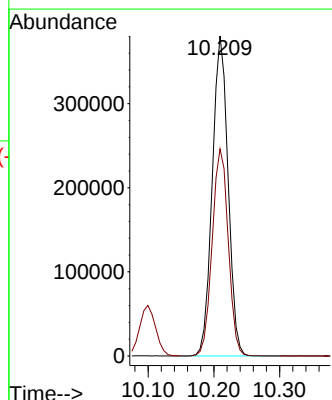
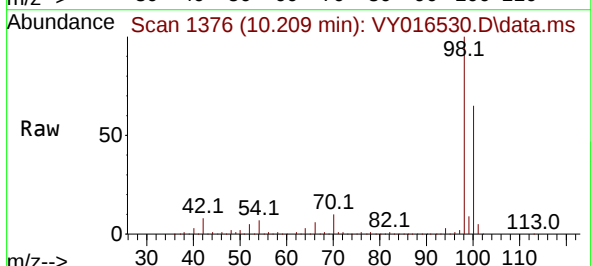
Acq: 29 Nov 2023 10:18

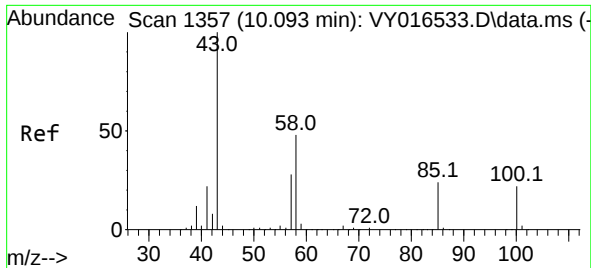
Tgt Ion: 98 Resp: 636067

Ion Ratio Lower Upper

98 100

100 65.7 50.1 75.1

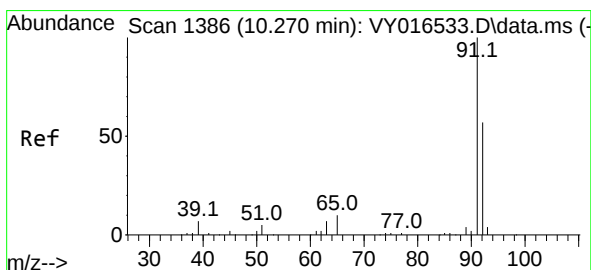
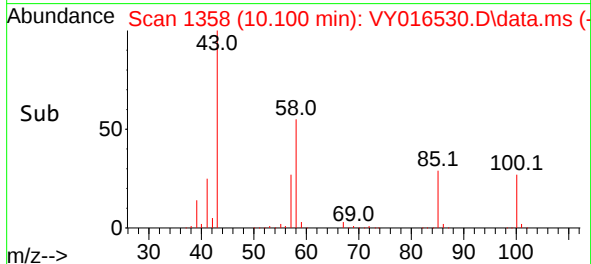
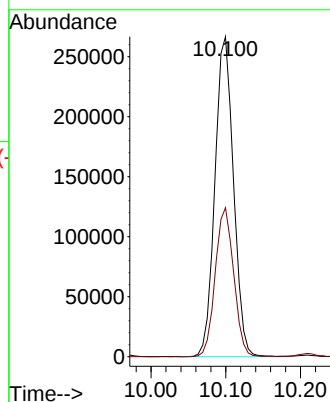
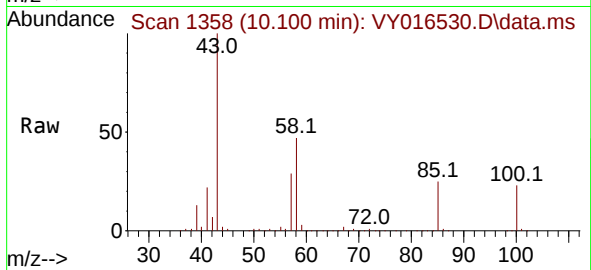




#51  
4-Methyl-2-Pentanone  
Concen: 619.972 ug/l  
RT: 10.100 min Scan# 1357  
Delta R.T. 0.006 min  
Lab File: VY016530.D  
Acq: 29 Nov 2023 10:18

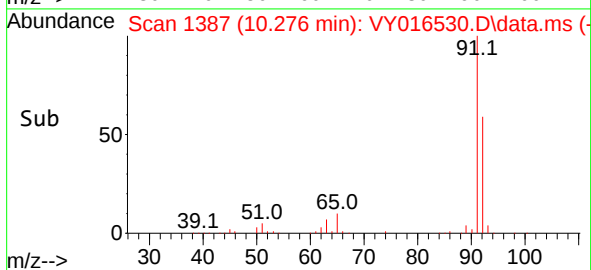
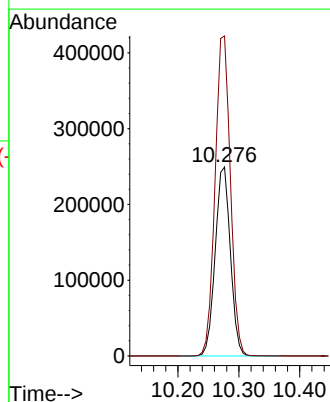
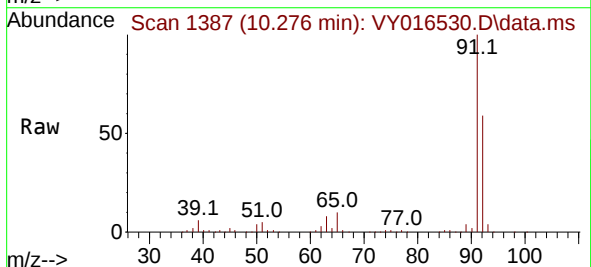
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC100

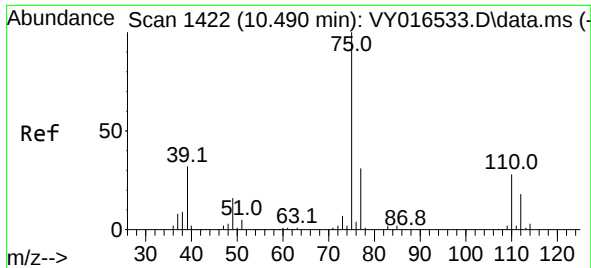
Tgt Ion: 43 Resp: 459502  
Ion Ratio Lower Upper  
43 100  
58 46.3 29.0 43.6#



#52  
Toluene  
Concen: 102.611 ug/l  
RT: 10.276 min Scan# 1387  
Delta R.T. 0.006 min  
Lab File: VY016530.D  
Acq: 29 Nov 2023 10:18

Tgt Ion: 92 Resp: 430826  
Ion Ratio Lower Upper  
92 100  
91 171.0 143.8 215.6

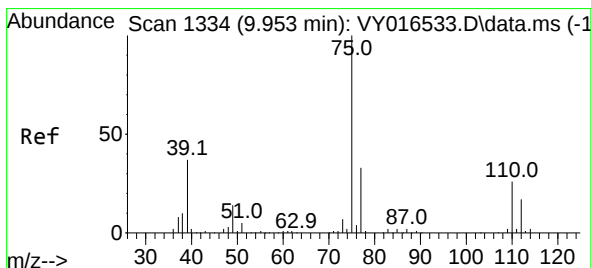
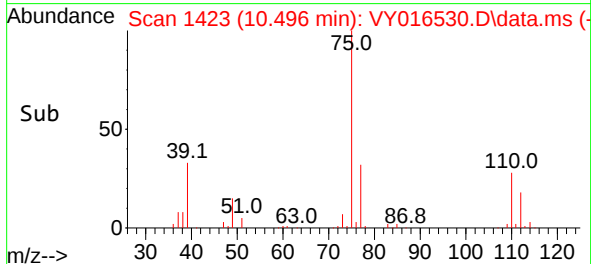
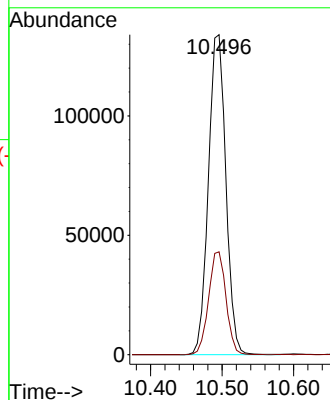
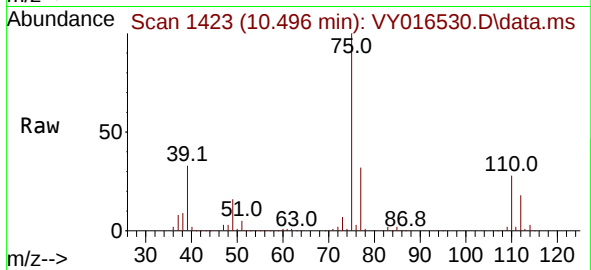




#53  
 t-1,3-Dichloropropene  
 Concen: 112.120 ug/l  
 RT: 10.496 min Scan# 1422  
 Delta R.T. 0.006 min  
 Lab File: VY016530.D  
 Acq: 29 Nov 2023 10:18

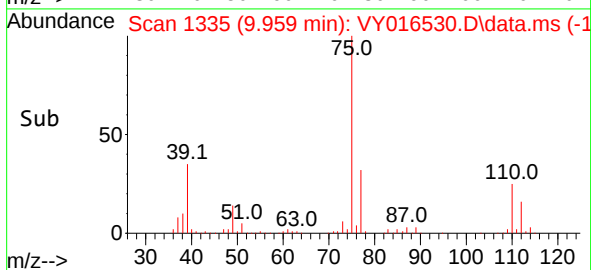
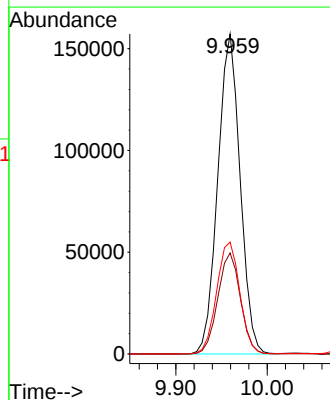
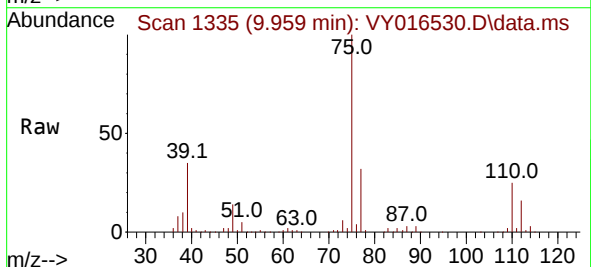
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC100

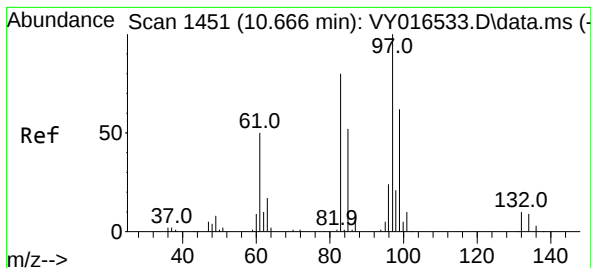
Tgt Ion: 75 Resp: 227483  
 Ion Ratio Lower Upper  
 75 100  
 77 32.1 25.0 37.4



#54  
 cis-1,3-Dichloropropene  
 Concen: 108.676 ug/l  
 RT: 9.959 min Scan# 1335  
 Delta R.T. 0.006 min  
 Lab File: VY016530.D  
 Acq: 29 Nov 2023 10:18

Tgt Ion: 75 Resp: 267191  
 Ion Ratio Lower Upper  
 75 100  
 77 31.6 24.2 36.4  
 39 35.0 42.2 63.4#





#55

1,1,2-Trichloroethane

Concen: 109.517 ug/l

RT: 10.673 min Scan# 14

Delta R.T. 0.006 min

Lab File: VY016530.D

Acq: 29 Nov 2023 10:18

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC100

Tgt Ion: 97 Resp: 131055

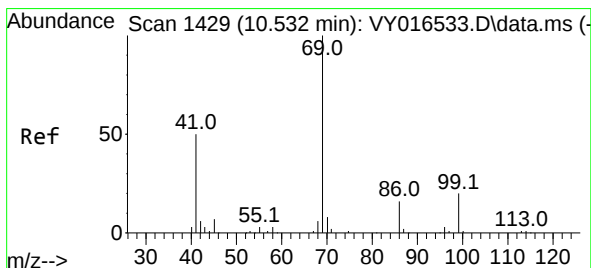
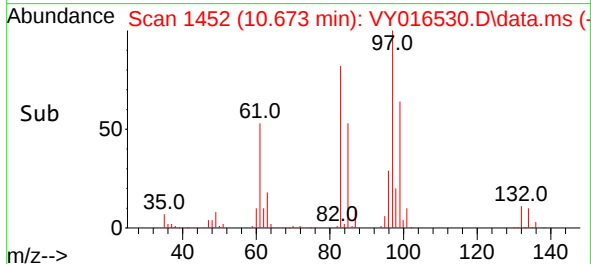
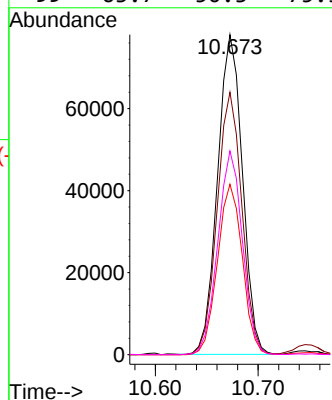
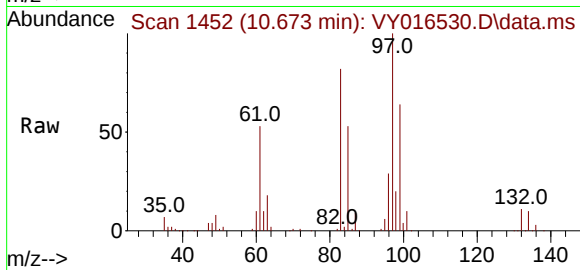
Ion Ratio Lower Upper

97 100

83 82.1 72.0 108.0

85 53.3 45.4 68.0

99 63.7 50.3 75.5



#56

Ethyl methacrylate

Concen: 124.214 ug/l

RT: 10.539 min Scan# 1430

Delta R.T. 0.006 min

Lab File: VY016530.D

Acq: 29 Nov 2023 10:18

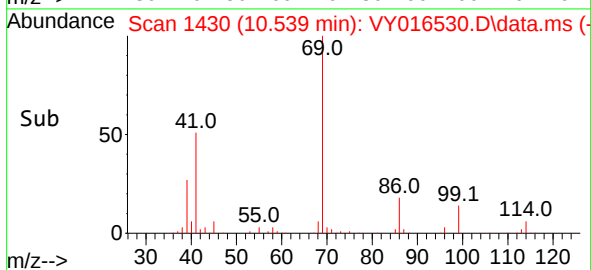
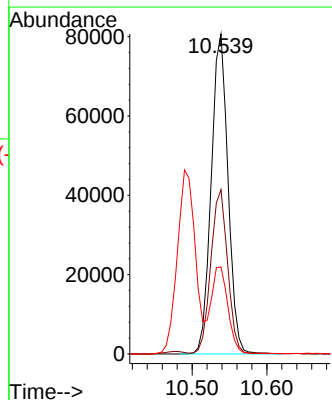
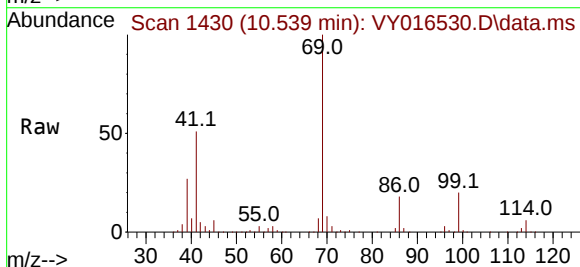
Tgt Ion: 69 Resp: 125791

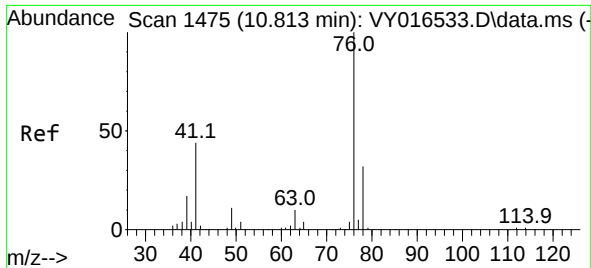
Ion Ratio Lower Upper

69 100

41 51.6 57.6 86.4#

39 28.0 34.1 51.1#

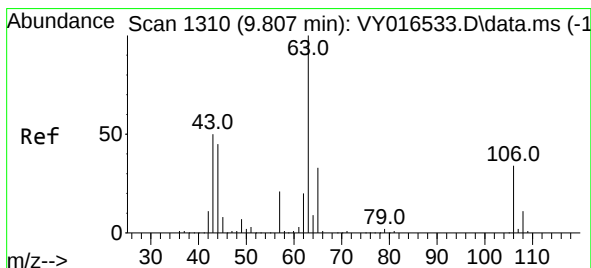
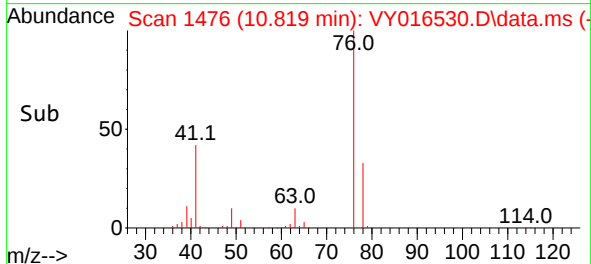
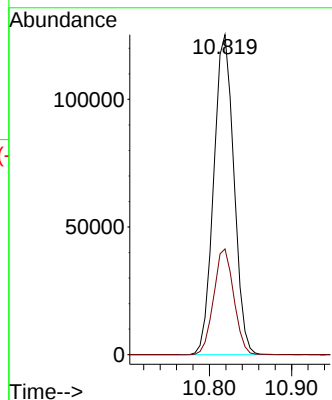
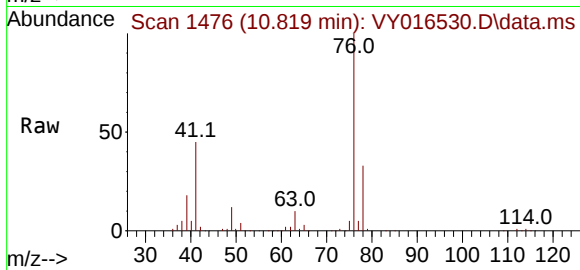




#57  
1,3-Dichloropropane  
Concen: 110.892 ug/l  
RT: 10.819 min Scan# 1475  
Delta R.T. 0.006 min  
Lab File: VY016530.D  
Acq: 29 Nov 2023 10:18

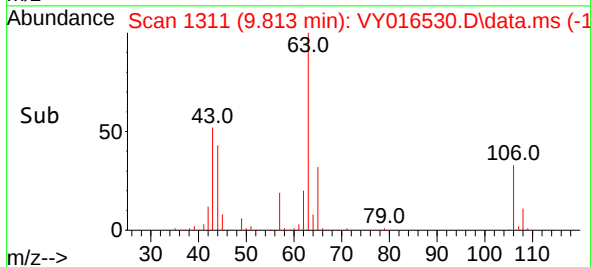
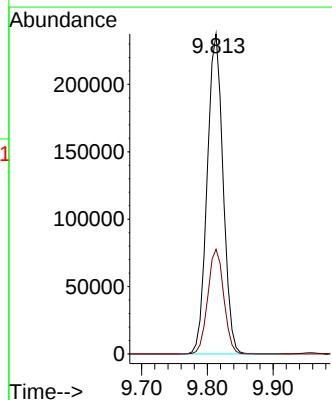
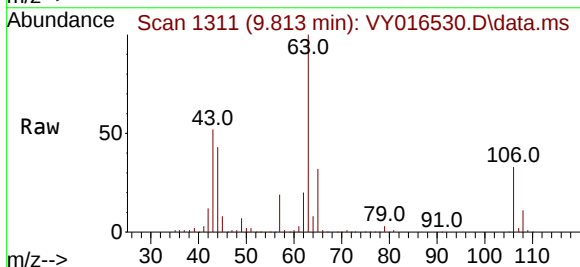
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

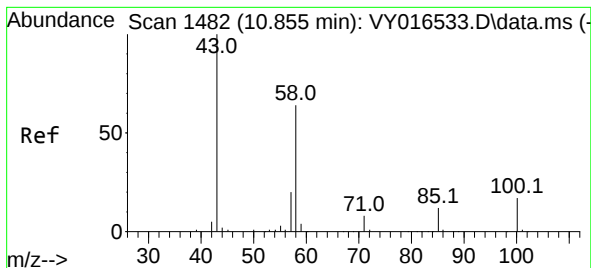
Tgt Ion: 76 Resp: 213749  
Ion Ratio Lower Upper  
76 100  
78 32.9 25.3 37.9



#58  
2-Chloroethyl Vinyl ether  
Concen: 636.038 ug/l  
RT: 9.813 min Scan# 1311  
Delta R.T. 0.006 min  
Lab File: VY016530.D  
Acq: 29 Nov 2023 10:18

Tgt Ion: 63 Resp: 398301  
Ion Ratio Lower Upper  
63 100  
106 33.0 21.2 31.8#

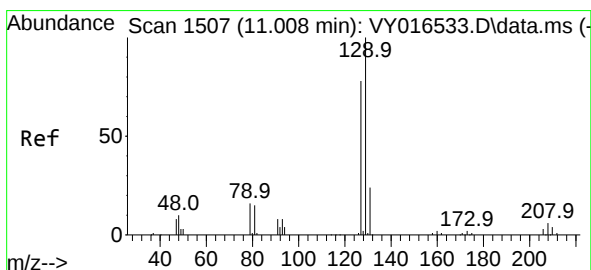
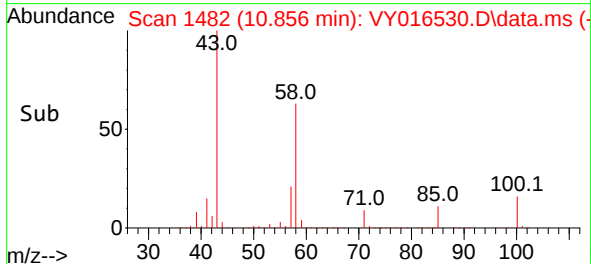
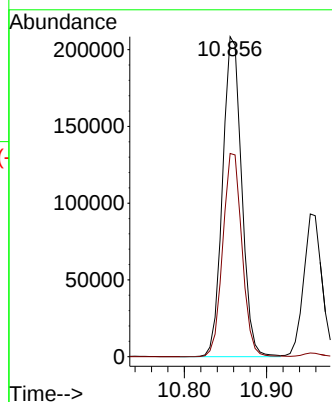
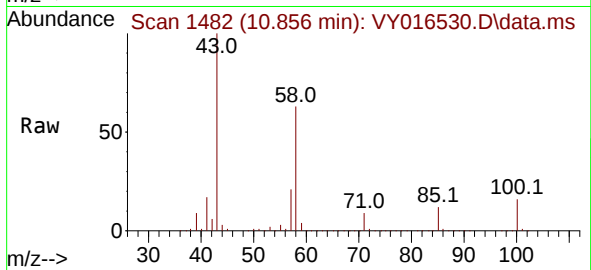




#59  
2-Hexanone  
Concen: 574.610 ug/l  
RT: 10.856 min Scan# 1482  
Delta R.T. 0.000 min  
Lab File: VY016530.D  
Acq: 29 Nov 2023 10:18

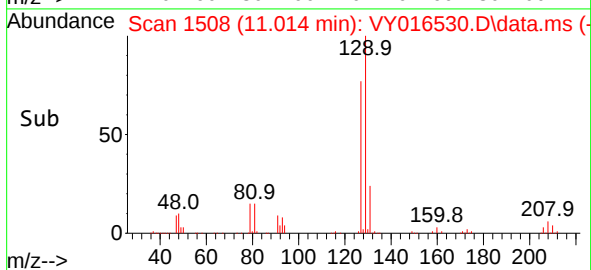
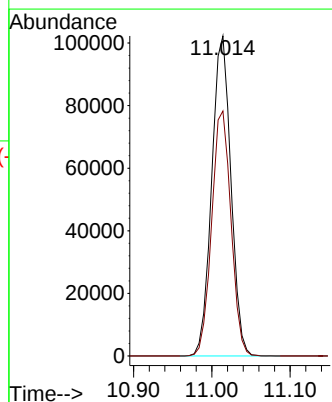
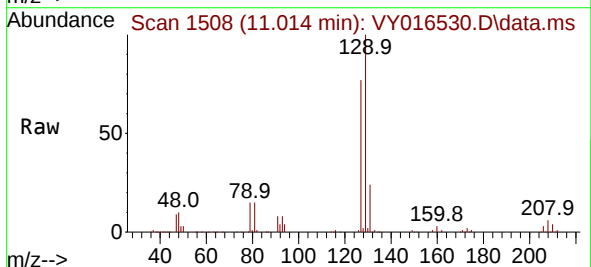
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

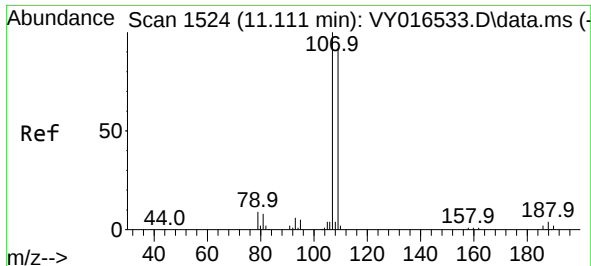
Tgt Ion: 43 Resp: 336403  
Ion Ratio Lower Upper  
43 100  
58 64.0 25.1 75.3



#60  
Dibromochloromethane  
Concen: 111.149 ug/l  
RT: 11.014 min Scan# 1508  
Delta R.T. 0.006 min  
Lab File: VY016530.D  
Acq: 29 Nov 2023 10:18

Tgt Ion:129 Resp: 173852  
Ion Ratio Lower Upper  
129 100  
127 77.0 38.5 115.5

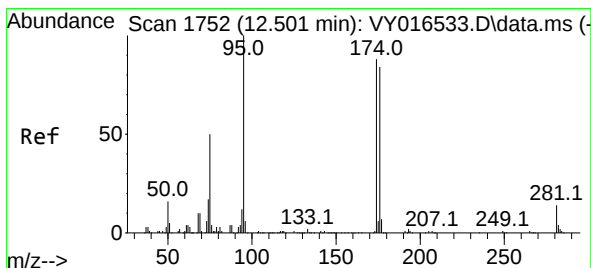
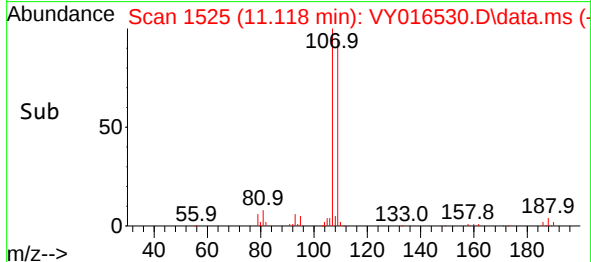
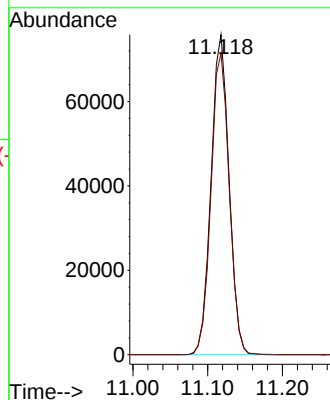
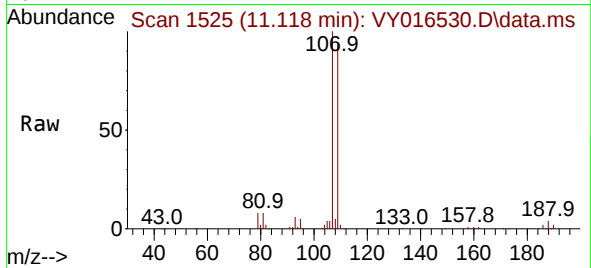




#61  
1,2-Dibromoethane  
Concen: 112.280 ug/l  
RT: 11.118 min Scan# 1525  
Delta R.T. 0.006 min  
Lab File: VY016530.D  
Acq: 29 Nov 2023 10:18

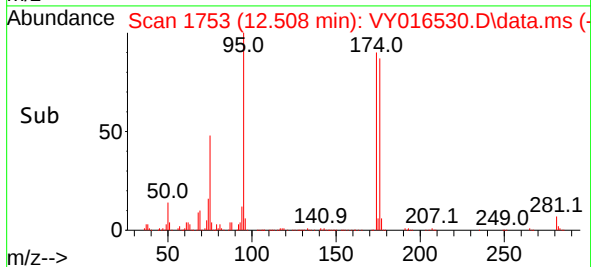
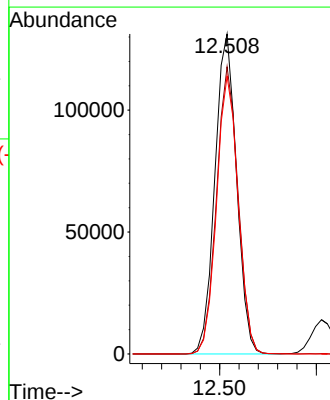
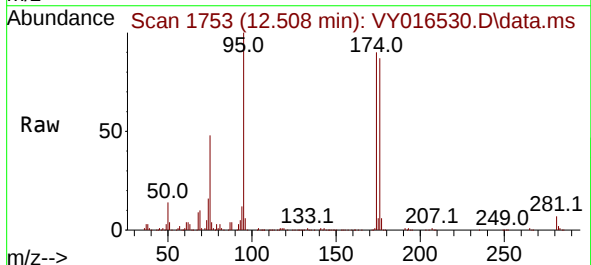
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

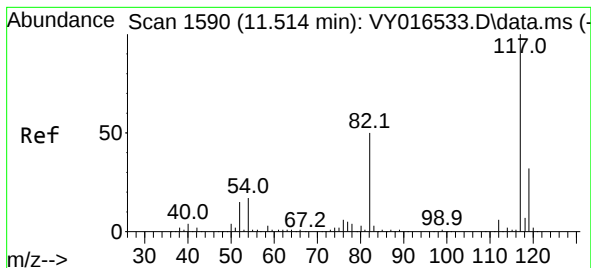
Tgt Ion:107 Resp: 126883  
Ion Ratio Lower Upper  
107 100  
109 95.4 75.6 113.4



#62  
4-Bromofluorobenzene  
Concen: 107.331 ug/l  
RT: 12.508 min Scan# 1753  
Delta R.T. 0.006 min  
Lab File: VY016530.D  
Acq: 29 Nov 2023 10:18

Tgt Ion: 95 Resp: 203858  
Ion Ratio Lower Upper  
95 100  
174 89.5 0.0 178.2  
176 86.6 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.520 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY016530.D

Acq: 29 Nov 2023 10:18

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC100

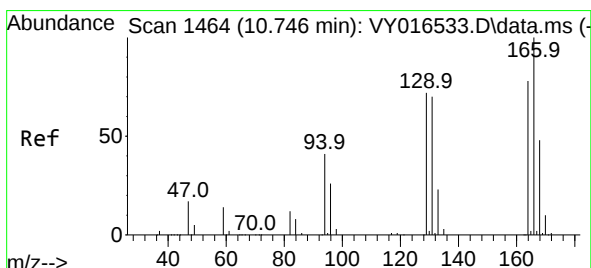
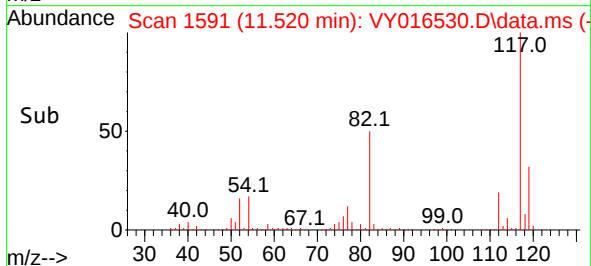
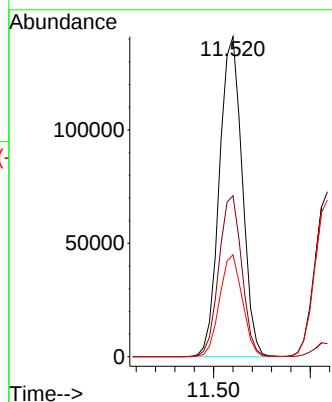
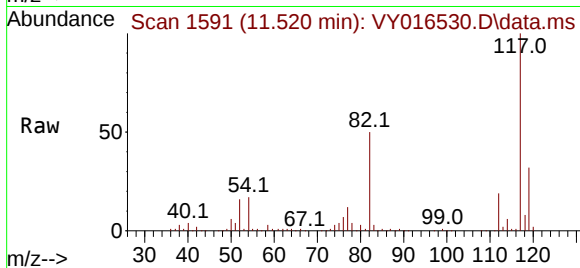
Tgt Ion:117 Resp: 230561

Ion Ratio Lower Upper

117 100

82 50.3 43.4 65.0

119 31.9 26.3 39.5



#64

Tetrachloroethene

Concen: 101.983 ug/l

RT: 10.746 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VY016530.D

Acq: 29 Nov 2023 10:18

Tgt Ion:164 Resp: 209259

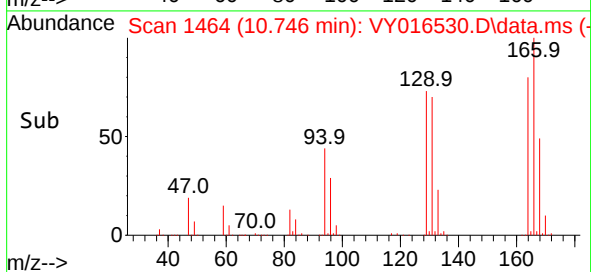
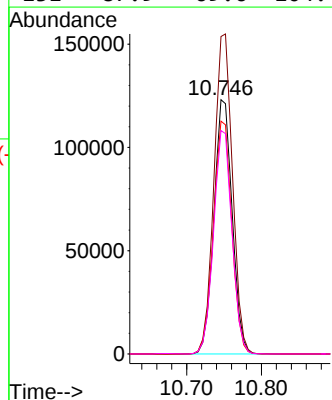
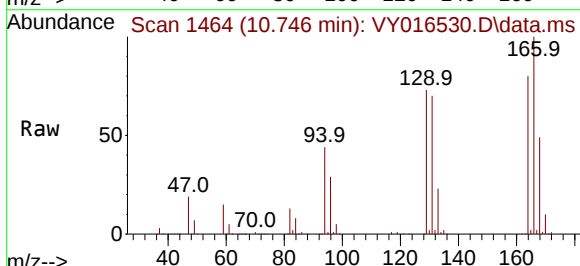
Ion Ratio Lower Upper

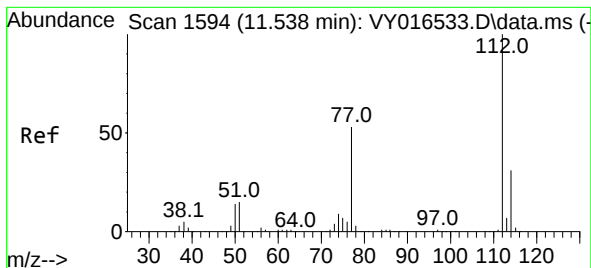
164 100

166 124.9 103.0 154.6

129 91.6 77.2 115.8

131 87.9 69.6 104.4





#65

Chlorobenzene

Concen: 100.629 ug/l

RT: 11.544 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY016530.D

Acq: 29 Nov 2023 10:18

Instrument :

MSVOA\_Y

ClientSampleId :

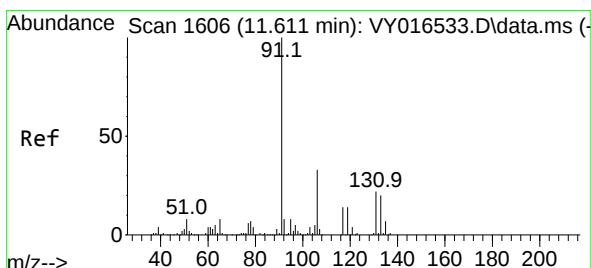
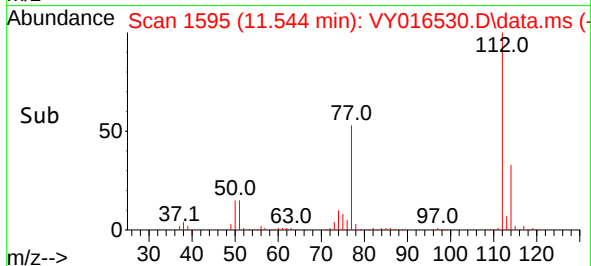
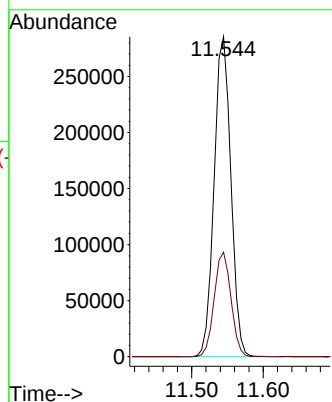
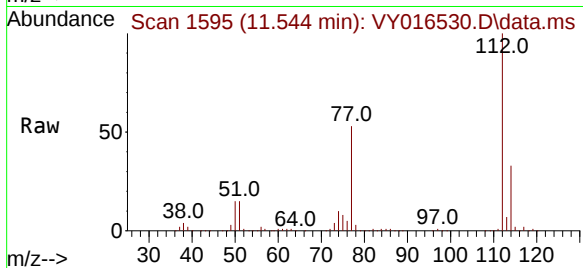
VSTDIC100

Tgt Ion:112 Resp: 464635

Ion Ratio Lower Upper

112 100

114 32.7 25.5 38.3



#66

1,1,1,2-Tetrachloroethane

Concen: 102.547 ug/l

RT: 11.618 min Scan# 1607

Delta R.T. 0.006 min

Lab File: VY016530.D

Acq: 29 Nov 2023 10:18

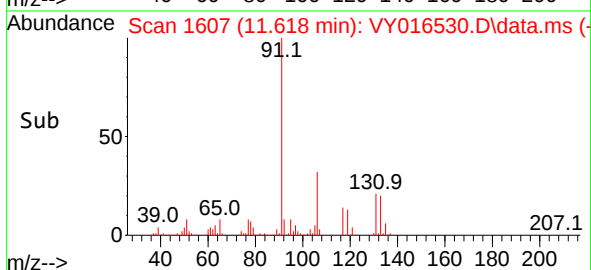
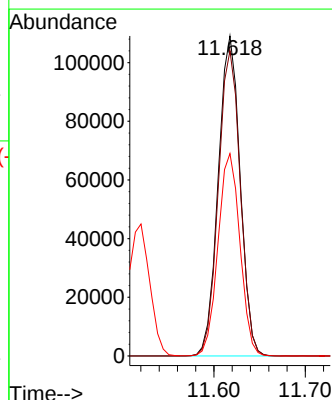
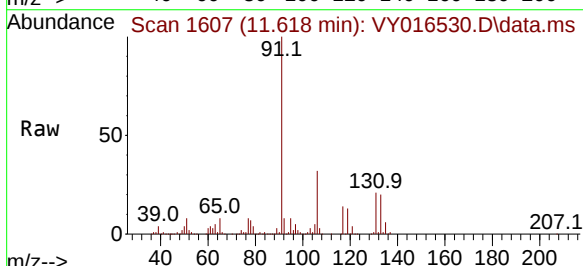
Tgt Ion:131 Resp: 181512

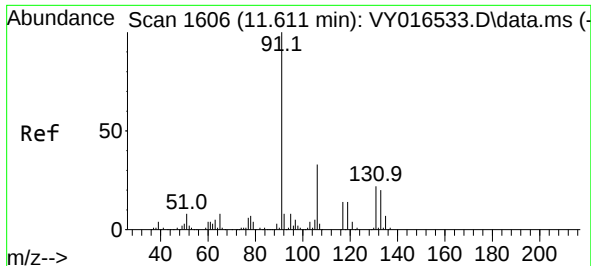
Ion Ratio Lower Upper

131 100

133 95.7 47.5 142.6

119 63.4 31.6 94.7

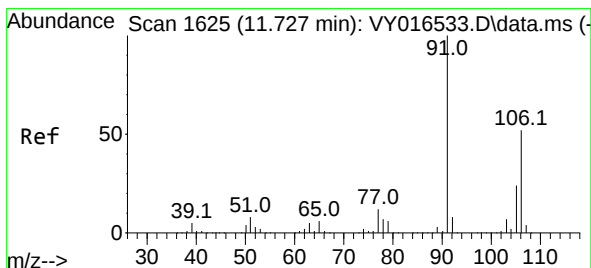
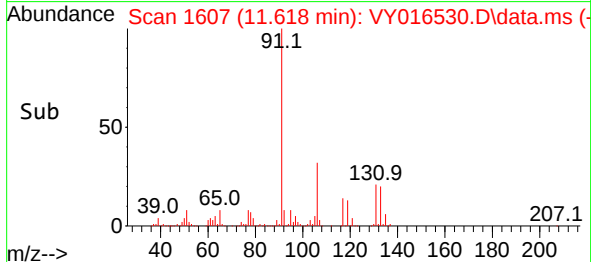
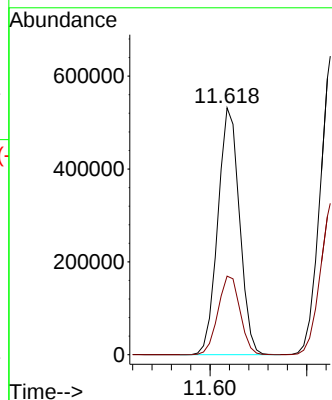
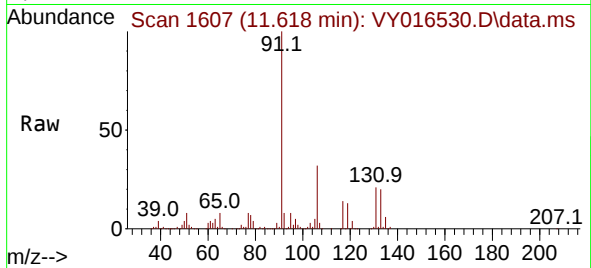




#67  
Ethyl Benzene  
Concen: 101.741 ug/l  
RT: 11.618 min Scan# 1607  
Delta R.T. 0.006 min  
Lab File: VY016530.D  
Acq: 29 Nov 2023 10:18

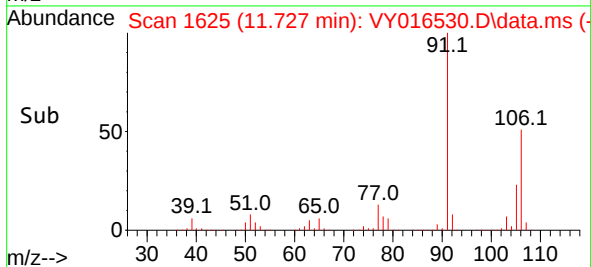
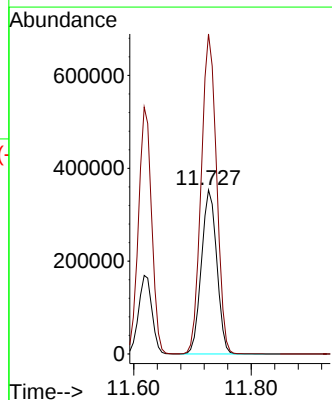
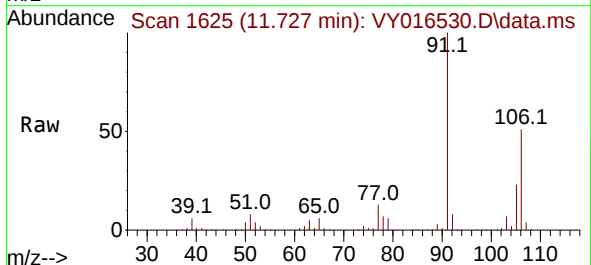
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

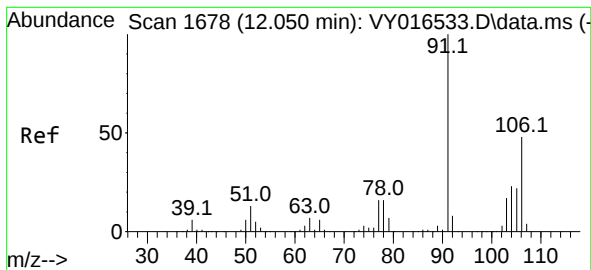
Tgt Ion: 91 Resp: 824636  
Ion Ratio Lower Upper  
91 100  
106 31.8 24.6 36.8



#68  
m/p-Xylenes  
Concen: 204.707 ug/l  
RT: 11.727 min Scan# 1625  
Delta R.T. 0.000 min  
Lab File: VY016530.D  
Acq: 29 Nov 2023 10:18

Tgt Ion:106 Resp: 642125  
Ion Ratio Lower Upper  
106 100  
91 194.9 166.1 249.1





#69

o-Xylene

Concen: 103.921 ug/l

RT: 12.057 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY016530.D

Acq: 29 Nov 2023 10:18

Instrument :

MSVOA\_Y

ClientSampleId :

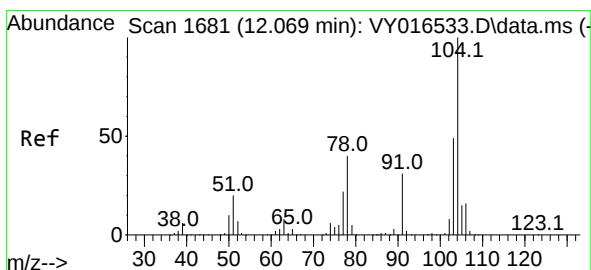
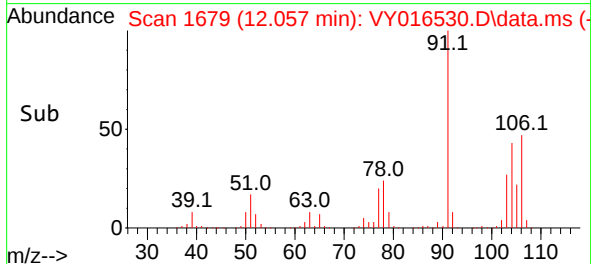
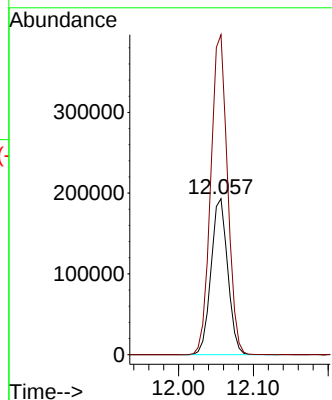
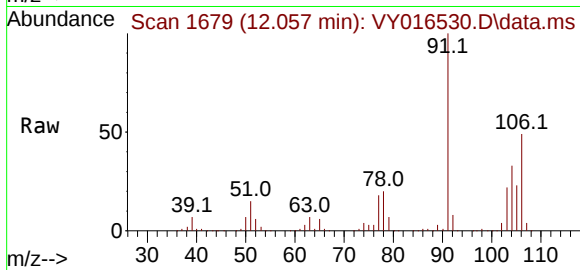
VSTDICC100

Tgt Ion:106 Resp: 299262

Ion Ratio Lower Upper

106 100

91 206.4 108.1 324.3



#70

Styrene

Concen: 104.241 ug/l

RT: 12.069 min Scan# 1681

Delta R.T. 0.000 min

Lab File: VY016530.D

Acq: 29 Nov 2023 10:18

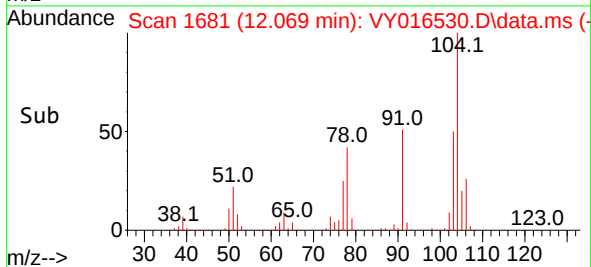
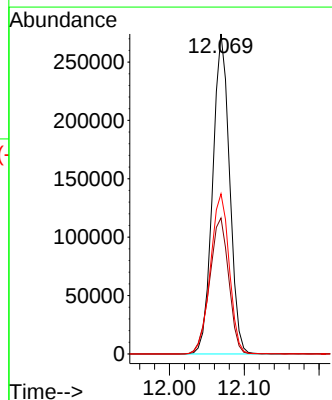
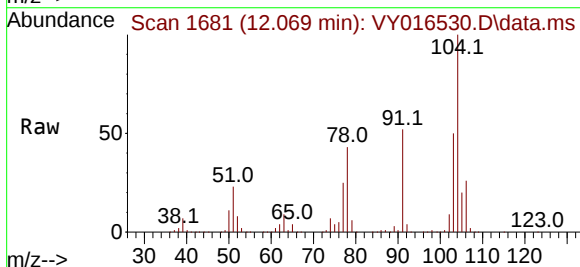
Tgt Ion:104 Resp: 431911

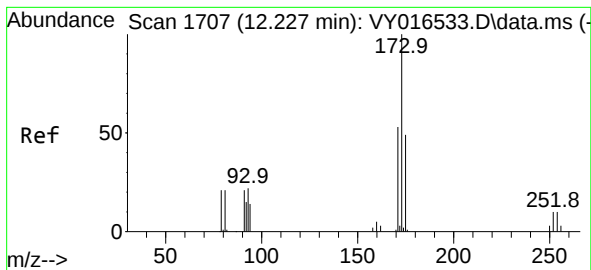
Ion Ratio Lower Upper

104 100

78 47.9 41.5 62.3

103 55.5 44.6 67.0





#71

Bromoform

Concen: 112.729 ug/l

RT: 12.233 min Scan# 1707

Delta R.T. 0.006 min

Lab File: VY016530.D

Acq: 29 Nov 2023 10:18

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC100

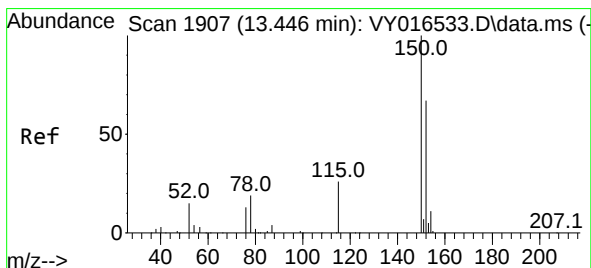
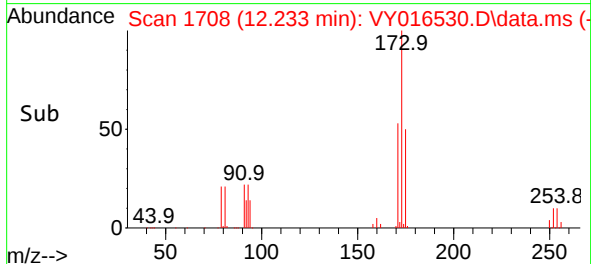
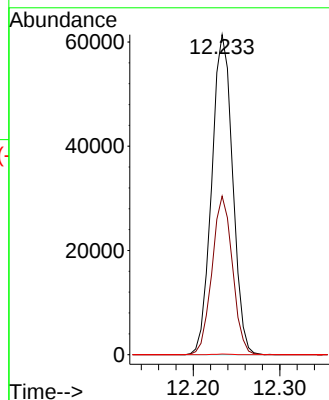
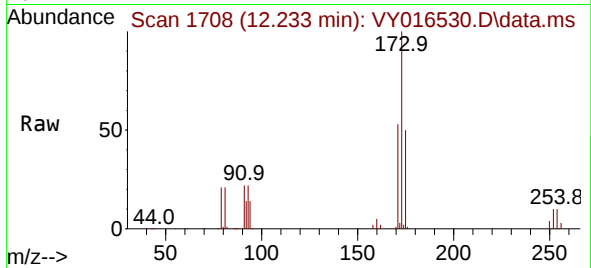
Tgt Ion:173 Resp: 103066

Ion Ratio Lower Upper

173 100

175 48.4 24.6 73.8

254 0.1 0.2 0.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.453 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY016530.D

Acq: 29 Nov 2023 10:18

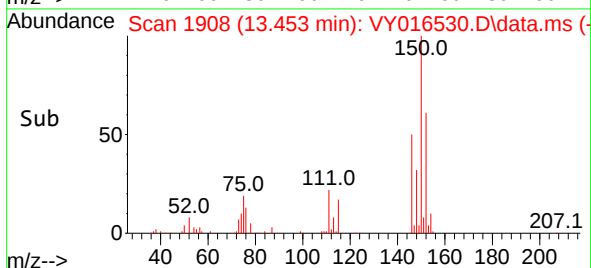
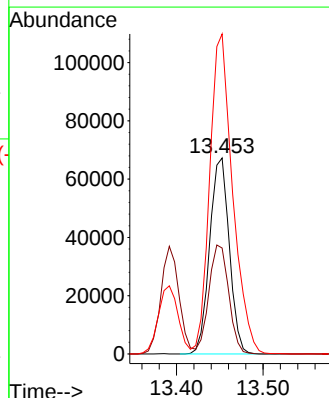
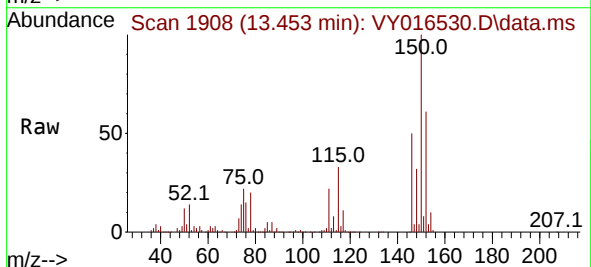
Tgt Ion:152 Resp: 105824

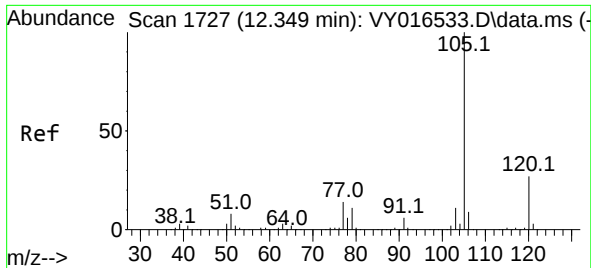
Ion Ratio Lower Upper

152 100

115 56.1 28.8 86.5

150 190.4 0.0 348.8

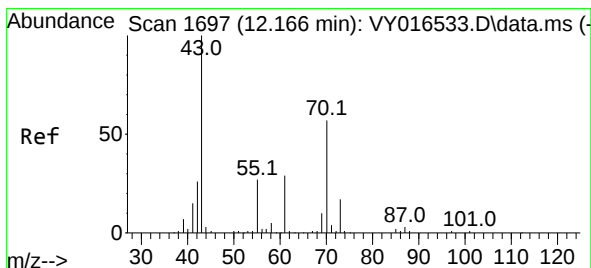
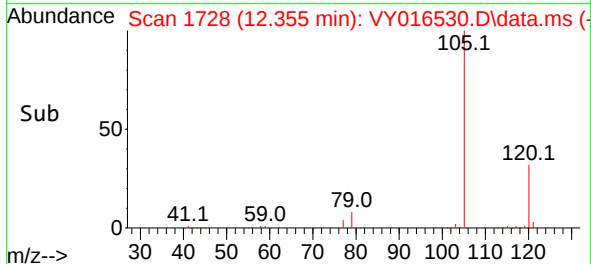
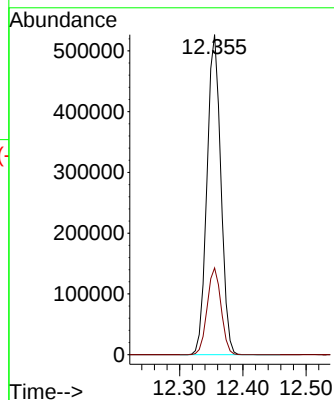
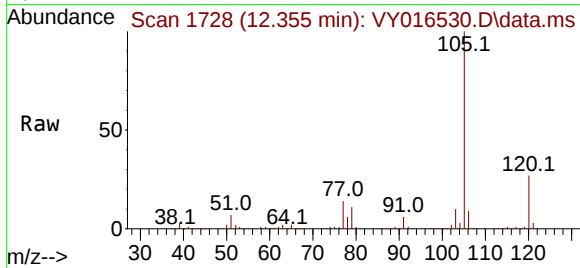




#73  
Isopropylbenzene  
Concen: 99.925 ug/l  
RT: 12.355 min Scan# 1728  
Delta R.T. 0.006 min  
Lab File: VY016530.D  
Acq: 29 Nov 2023 10:18

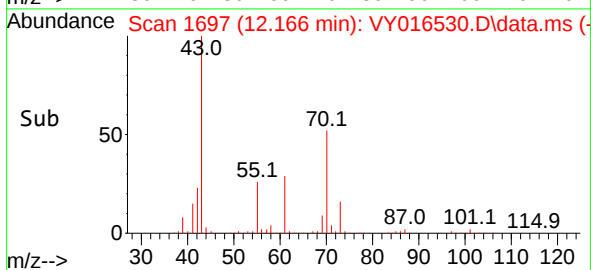
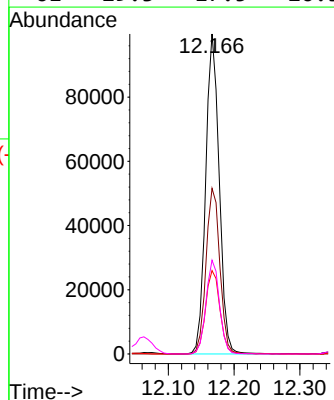
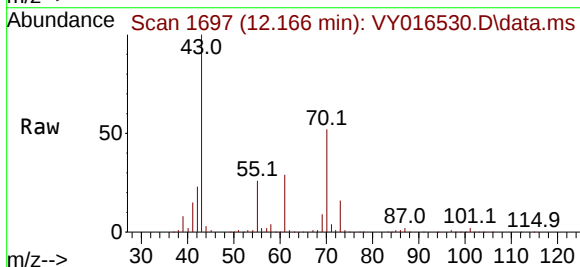
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

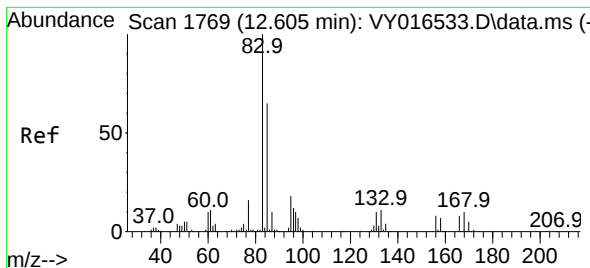
Tgt Ion:105 Resp: 801914  
Ion Ratio Lower Upper  
105 100  
120 27.2 13.3 39.9



#74  
N-ethyl acetate  
Concen: 125.719 ug/l  
RT: 12.166 min Scan# 1697  
Delta R.T. 0.000 min  
Lab File: VY016530.D  
Acq: 29 Nov 2023 10:18

Tgt Ion: 43 Resp: 142481  
Ion Ratio Lower Upper  
43 100  
70 53.1 29.7 44.5#  
55 27.7 18.3 27.5#  
61 29.3 17.5 26.3#

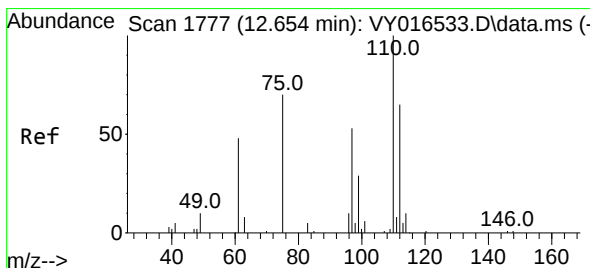
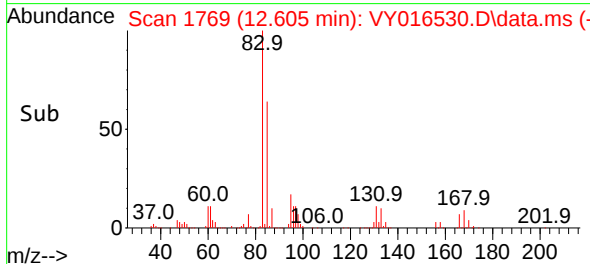
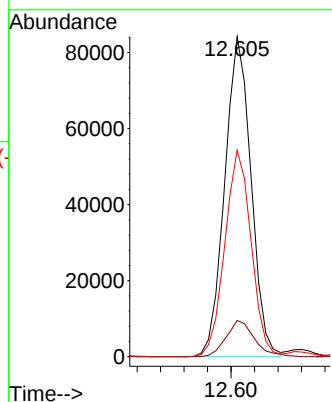
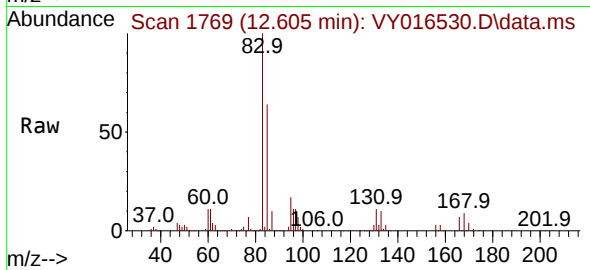




#75  
 1,1,2,2-Tetrachloroethane  
 Concen: 109.899 ug/l  
 RT: 12.605 min Scan# 1769  
 Delta R.T. 0.000 min  
 Lab File: VY016530.D  
 Acq: 29 Nov 2023 10:18

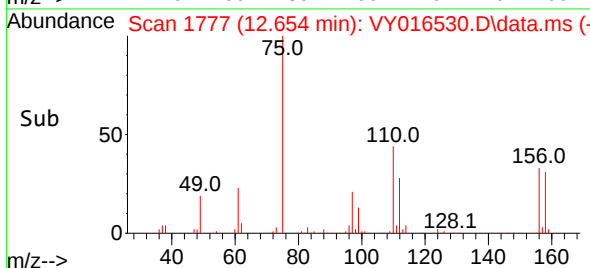
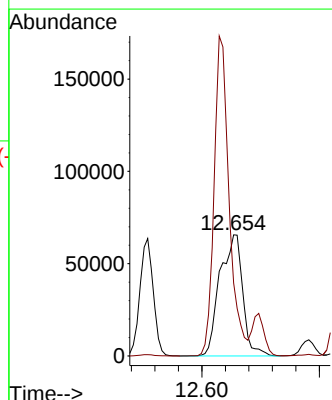
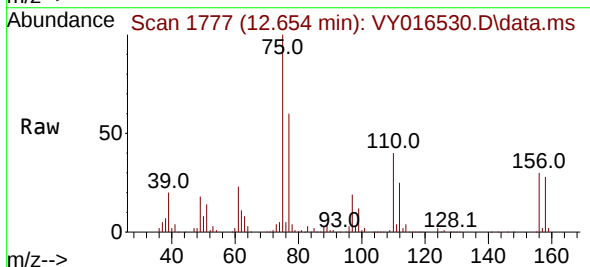
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC100

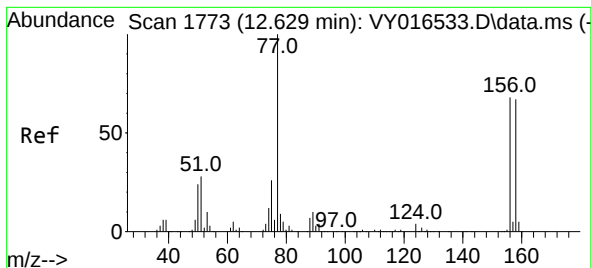
Tgt Ion: 83 Resp: 130919  
 Ion Ratio Lower Upper  
 83 100  
 131 12.1 5.4 16.2  
 85 64.5 31.8 95.4



#76  
 1,2,3-Trichloropropane  
 Concen: 198.727 ug/l  
 RT: 12.654 min Scan# 1777  
 Delta R.T. 0.000 min  
 Lab File: VY016530.D  
 Acq: 29 Nov 2023 10:18

Tgt Ion: 75 Resp: 177156  
 Ion Ratio Lower Upper  
 75 100  
 77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 103.197 ug/l

RT: 12.636 min Scan# 1773

Delta R.T. 0.006 min

Lab File: VY016530.D

Acq: 29 Nov 2023 10:18

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC100

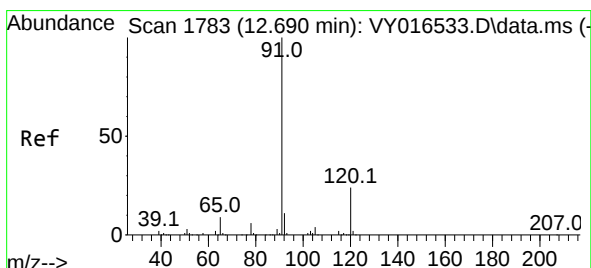
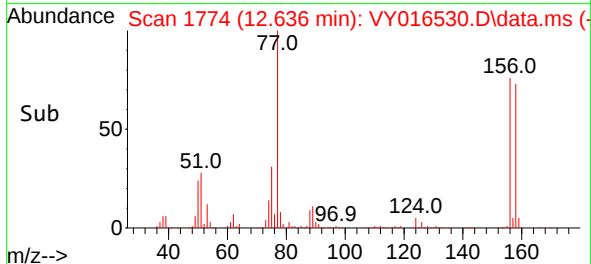
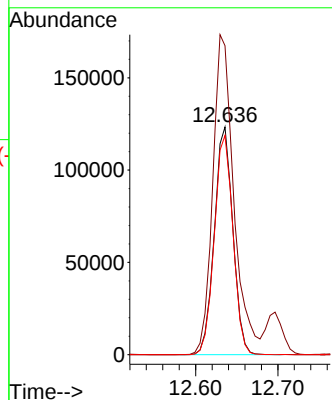
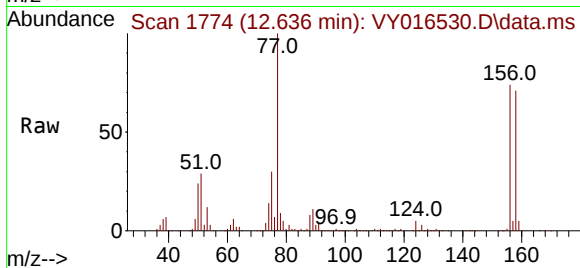
Tgt Ion:156 Resp: 192837

Ion Ratio Lower Upper

156 100

77 160.3 92.8 278.6

158 97.0 48.4 145.3



#78

n-propylbenzene

Concen: 99.120 ug/l

RT: 12.697 min Scan# 1784

Delta R.T. 0.006 min

Lab File: VY016530.D

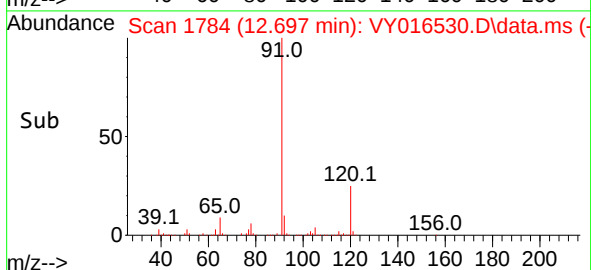
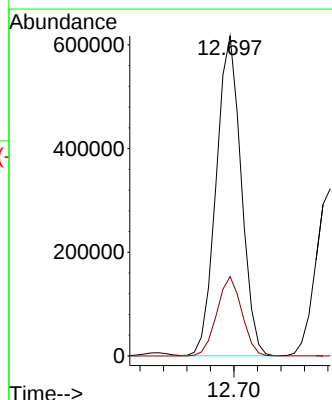
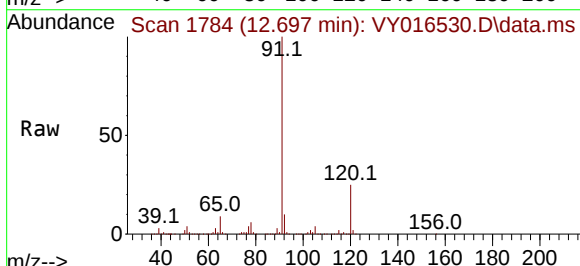
Acq: 29 Nov 2023 10:18

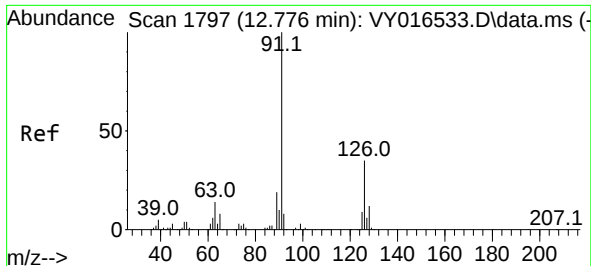
Tgt Ion: 91 Resp: 910042

Ion Ratio Lower Upper

91 100

120 24.7 11.5 34.4





#79

2-Chlorotoluene

Concen: 99.809 ug/l

RT: 12.782 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY016530.D

Acq: 29 Nov 2023 10:18

Instrument :

MSVOA\_Y

ClientSampleId :

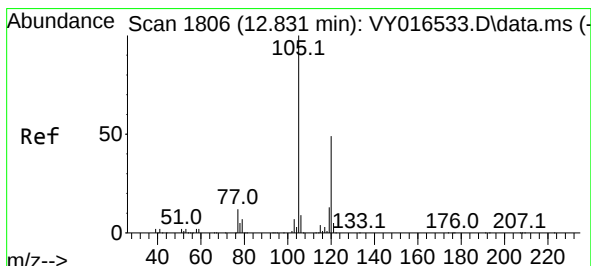
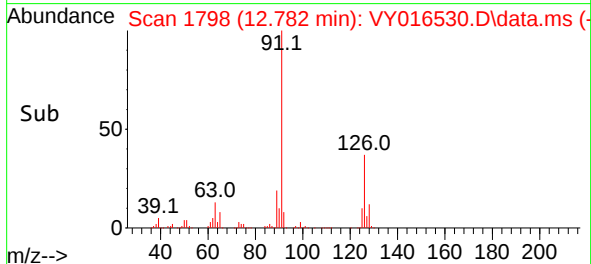
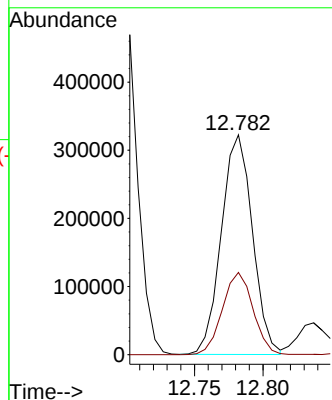
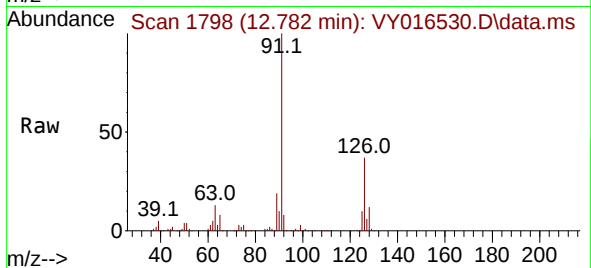
VSTDICC100

Tgt Ion: 91 Resp: 509682

Ion Ratio Lower Upper

91 100

126 36.9 17.3 51.7



#80

1,3,5-Trimethylbenzene

Concen: 101.305 ug/l

RT: 12.837 min Scan# 1807

Delta R.T. 0.006 min

Lab File: VY016530.D

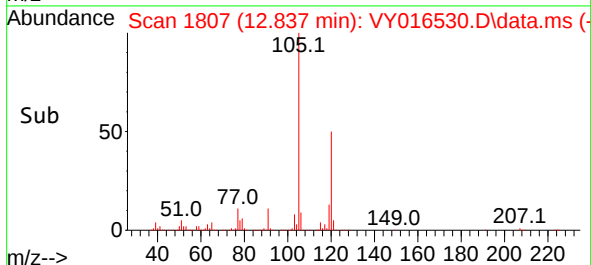
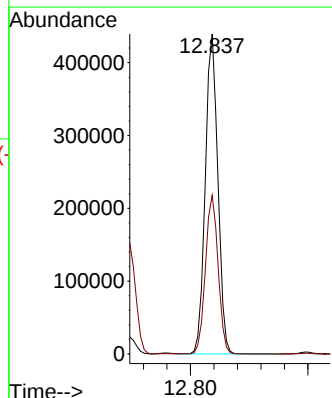
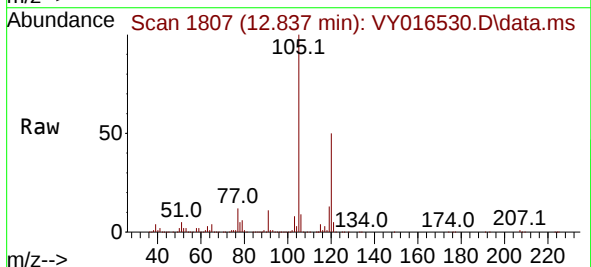
Acq: 29 Nov 2023 10:18

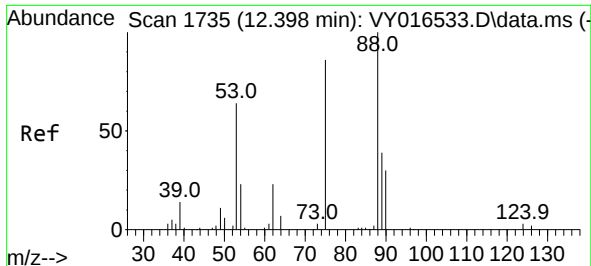
Tgt Ion:105 Resp: 653537

Ion Ratio Lower Upper

105 100

120 49.9 23.9 71.7

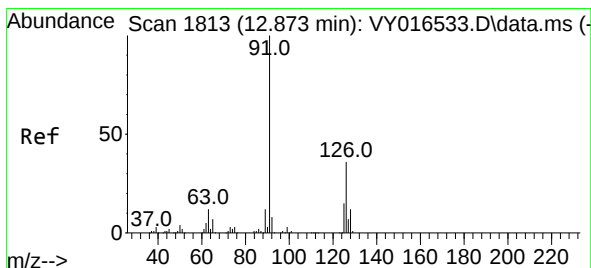
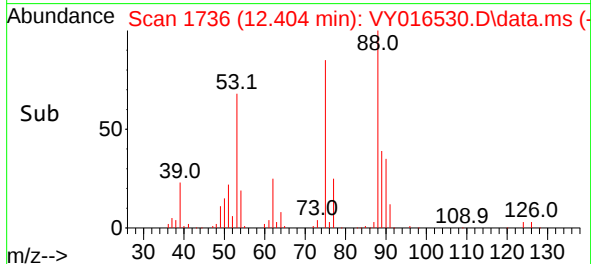
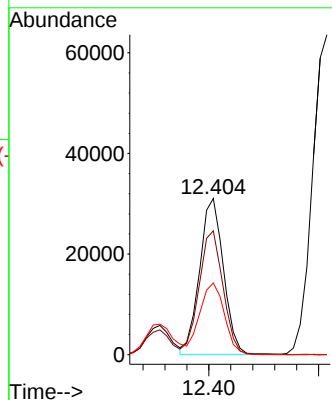
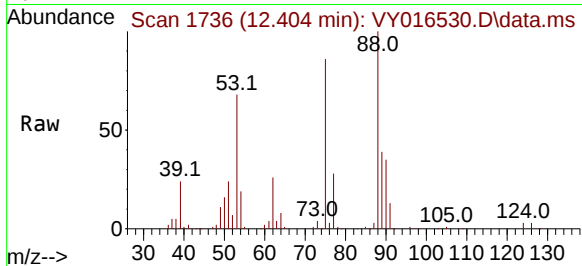




#81  
trans-1,4-Dichloro-2-butene  
Concen: 114.430 ug/l  
RT: 12.404 min Scan# 1736  
Delta R.T. 0.006 min  
Lab File: VY016530.D  
Acq: 29 Nov 2023 10:18

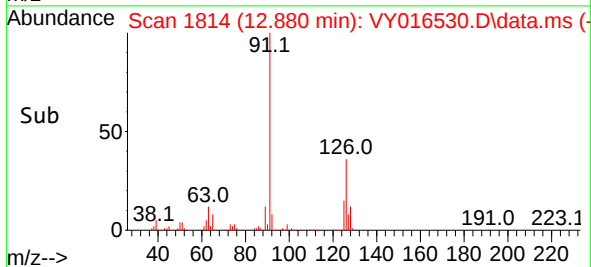
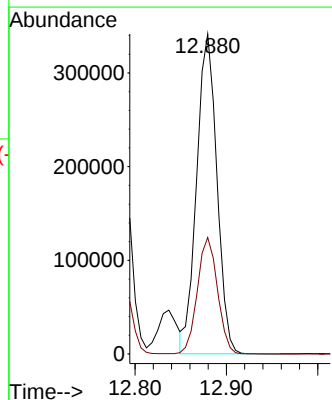
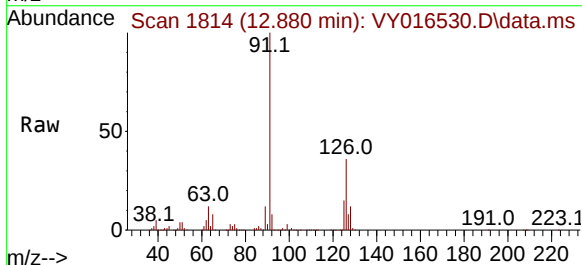
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

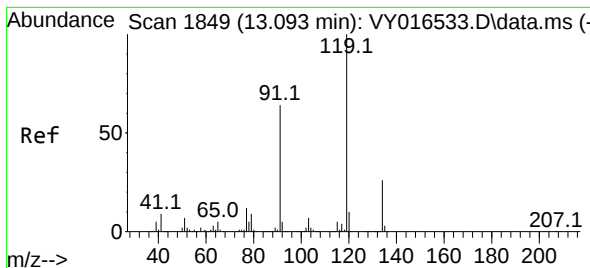
Tgt Ion: 75 Resp: 46619  
Ion Ratio Lower Upper  
75 100  
53 80.5 77.8 116.8  
89 47.4 37.4 56.0



#82  
4-Chlorotoluene  
Concen: 100.092 ug/l  
RT: 12.880 min Scan# 1814  
Delta R.T. 0.006 min  
Lab File: VY016530.D  
Acq: 29 Nov 2023 10:18

Tgt Ion: 91 Resp: 524790  
Ion Ratio Lower Upper  
91 100  
126 36.3 17.2 51.6





#83

tert-Butylbenzene

Concen: 99.205 ug/l

RT: 13.099 min Scan# 1850

Delta R.T. 0.006 min

Lab File: VY016530.D

Acq: 29 Nov 2023 10:18

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC100

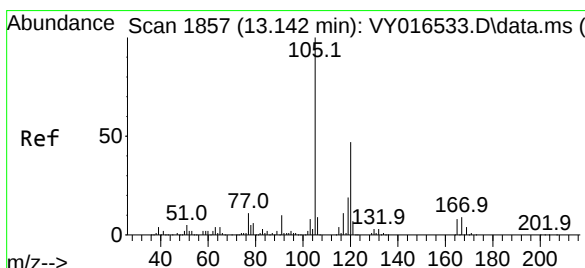
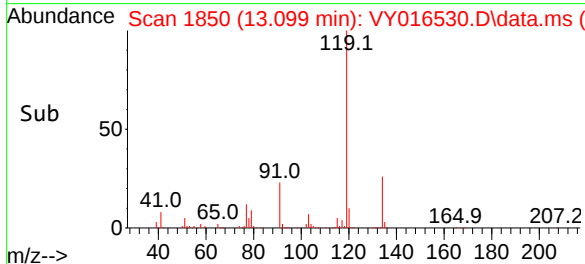
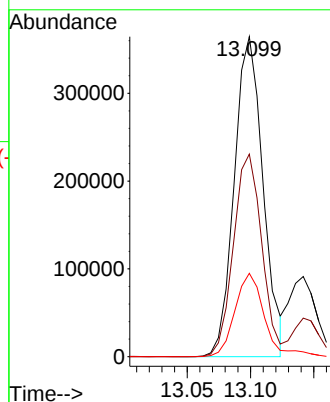
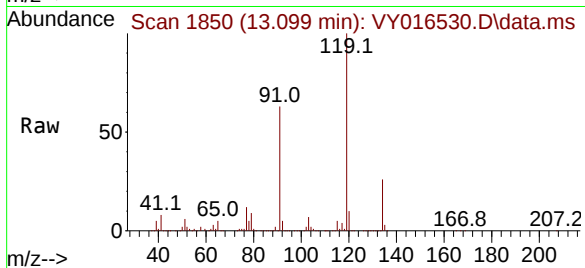
Tgt Ion:119 Resp: 577562

Ion Ratio Lower Upper

119 100

91 62.2 32.9 98.6

134 26.7 13.0 38.9



#84

1,2,4-Trimethylbenzene

Concen: 101.837 ug/l

RT: 13.142 min Scan# 1857

Delta R.T. 0.000 min

Lab File: VY016530.D

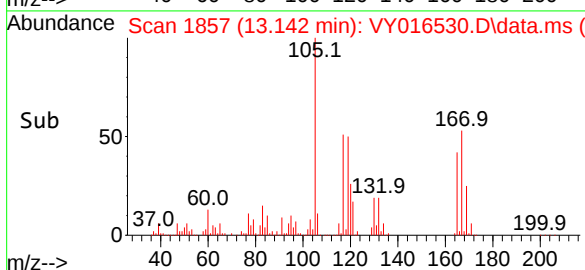
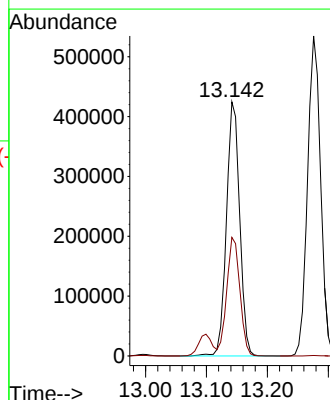
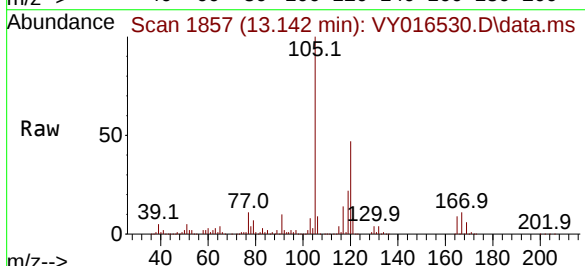
Acq: 29 Nov 2023 10:18

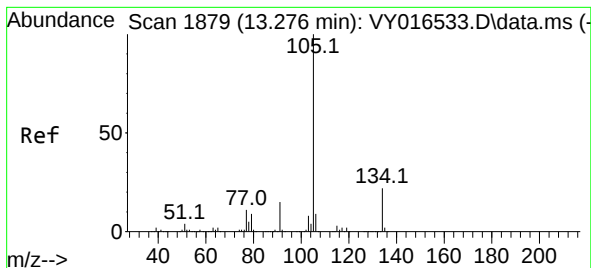
Tgt Ion:105 Resp: 639610

Ion Ratio Lower Upper

105 100

120 46.4 22.2 66.6





#85

sec-Butylbenzene

Concen: 98.617 ug/l

RT: 13.276 min Scan# 1879

Delta R.T. 0.000 min

Lab File: VY016530.D

Acq: 29 Nov 2023 10:18

Instrument :

MSVOA\_Y

ClientSampleId :

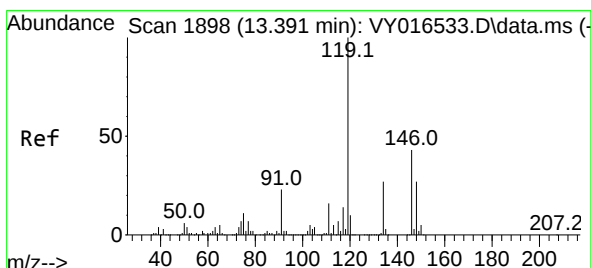
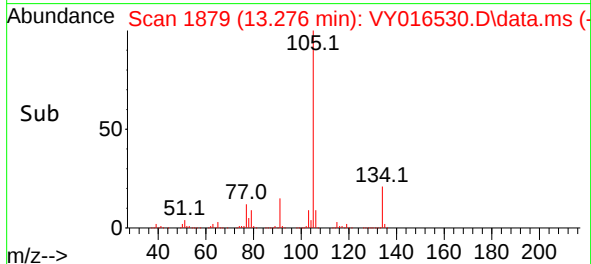
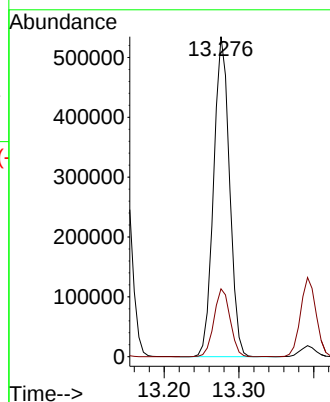
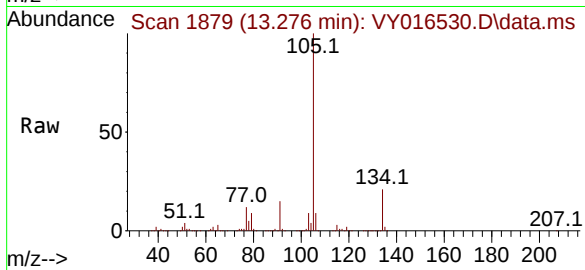
VSTDIC100

Tgt Ion:105 Resp: 794060

Ion Ratio Lower Upper

105 100

134 21.5 10.2 30.6



#86

p-Isopropyltoluene

Concen: 101.461 ug/l

RT: 13.392 min Scan# 1898

Delta R.T. 0.000 min

Lab File: VY016530.D

Acq: 29 Nov 2023 10:18

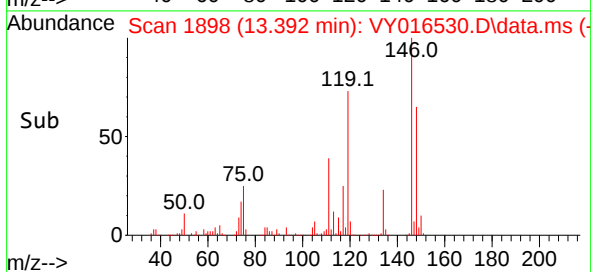
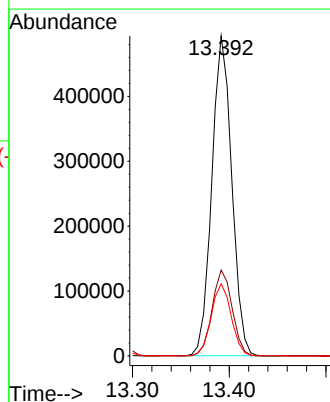
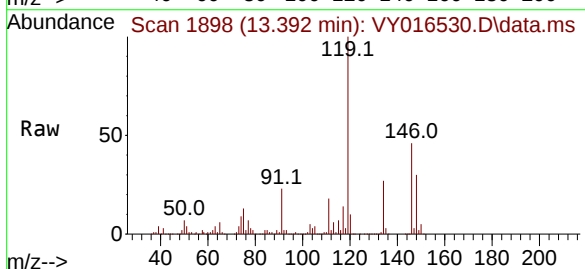
Tgt Ion:119 Resp: 705873

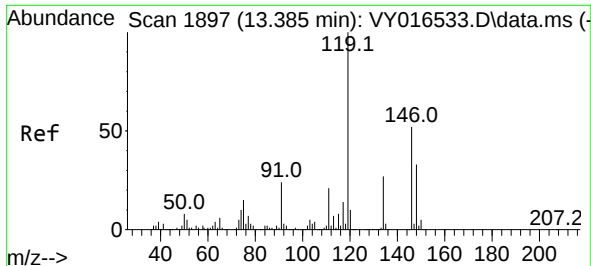
Ion Ratio Lower Upper

119 100

134 26.9 13.3 39.8

91 22.5 12.4 37.4





#87

1,3-Dichlorobenzene

Concen: 101.636 ug/l

RT: 13.392 min Scan# 1898

Delta R.T. 0.006 min

Lab File: VY016530.D

Acq: 29 Nov 2023 10:18

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC100

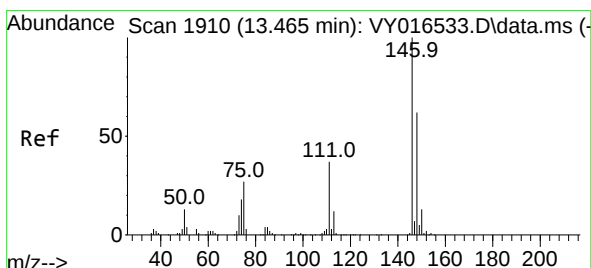
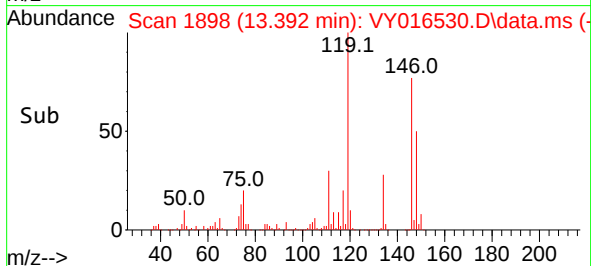
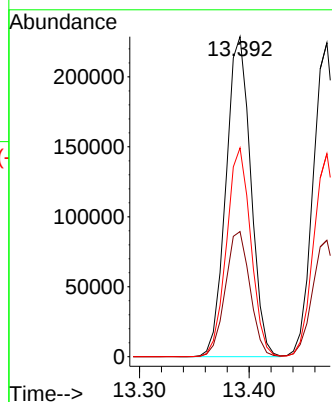
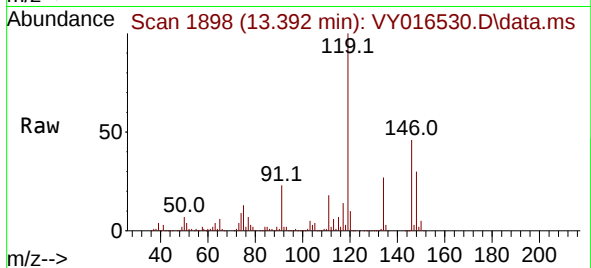
Tgt Ion:146 Resp: 358617

Ion Ratio Lower Upper

146 100

111 39.0 19.4 58.2

148 64.1 31.9 95.5



#88

1,4-Dichlorobenzene

Concen: 101.238 ug/l

RT: 13.471 min Scan# 1911

Delta R.T. 0.006 min

Lab File: VY016530.D

Acq: 29 Nov 2023 10:18

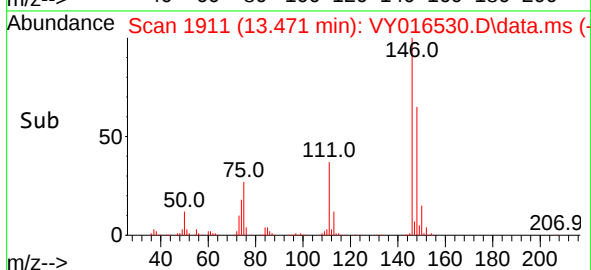
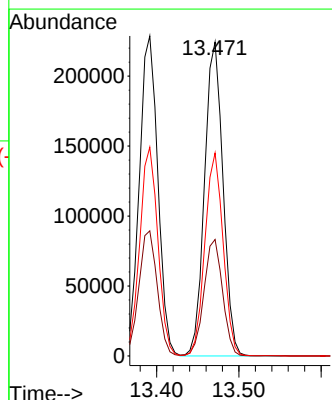
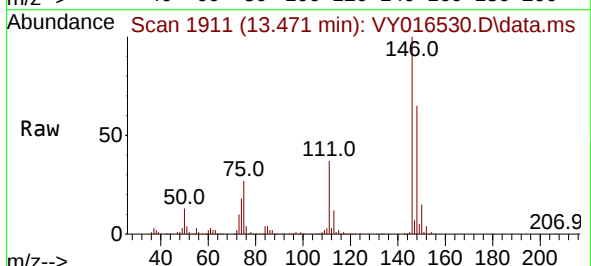
Tgt Ion:146 Resp: 349633

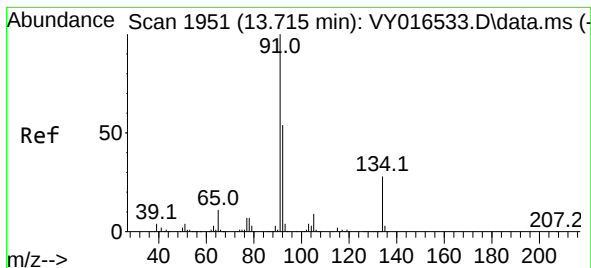
Ion Ratio Lower Upper

146 100

111 37.4 18.9 56.7

148 64.0 32.1 96.5





#89

n-Butylbenzene

Concen: 100.643 ug/l

RT: 13.721 min Scan# 1952

Delta R.T. 0.006 min

Lab File: VY016530.D

Acq: 29 Nov 2023 10:18

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC100

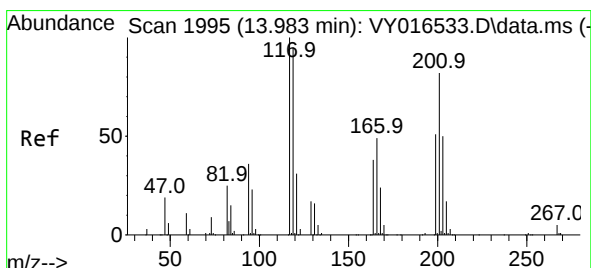
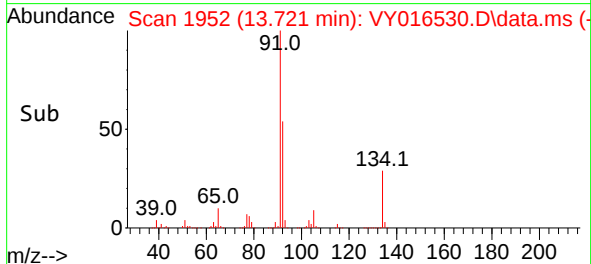
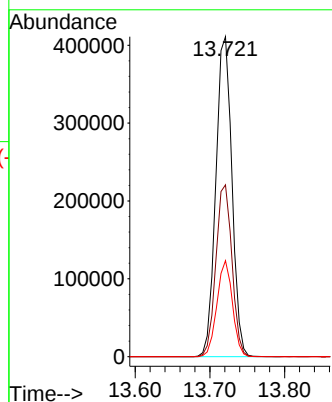
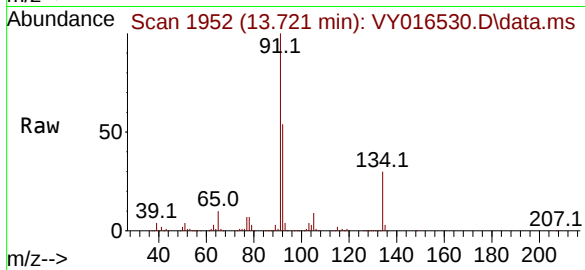
Tgt Ion: 91 Resp: 613710

Ion Ratio Lower Upper

91 100

92 53.8 25.4 76.0

134 29.0 12.6 37.6



#90

Hexachloroethane

Concen: 98.712 ug/l

RT: 13.983 min Scan# 1995

Delta R.T. 0.000 min

Lab File: VY016530.D

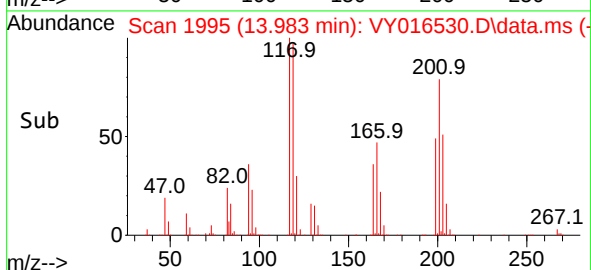
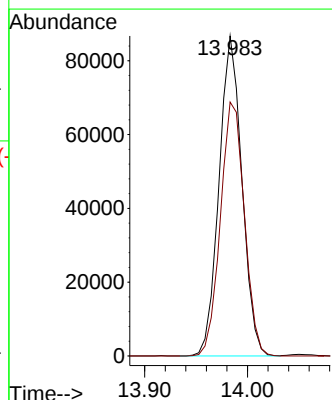
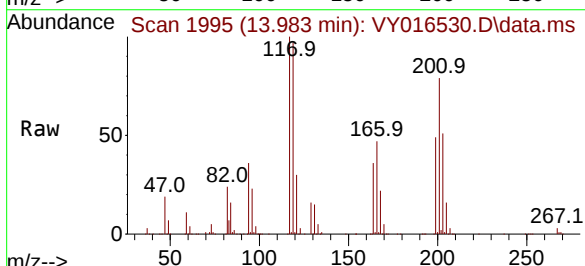
Acq: 29 Nov 2023 10:18

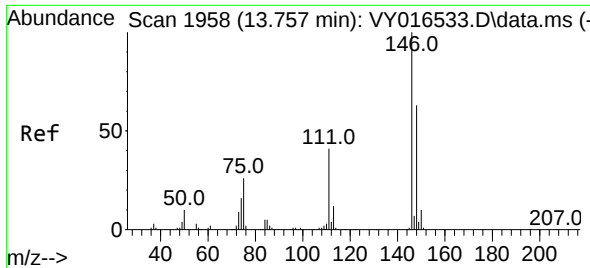
Tgt Ion: 117 Resp: 133991

Ion Ratio Lower Upper

117 100

201 83.0 41.6 124.8

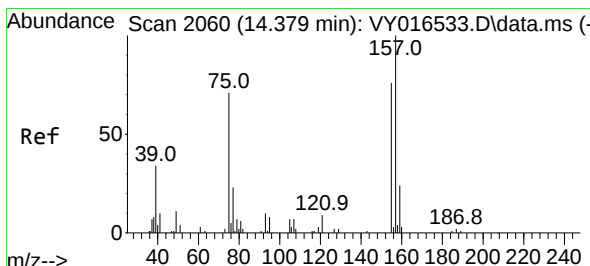
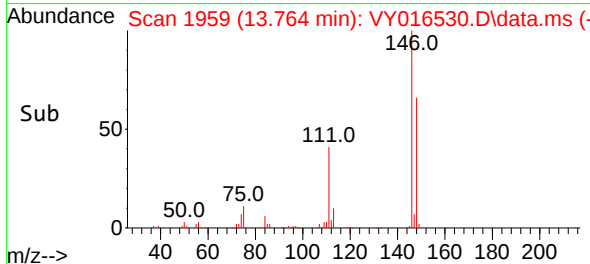
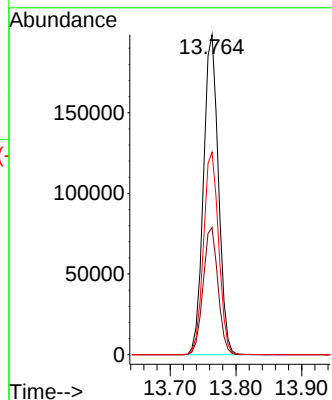
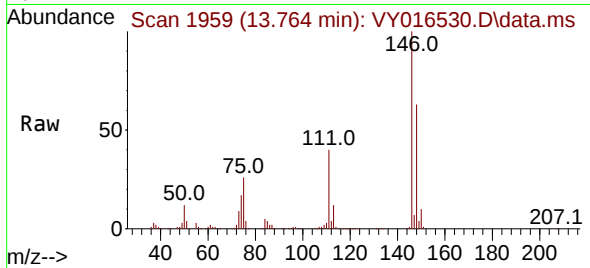




#91  
1,2-Dichlorobenzene  
Concen: 104.689 ug/l  
RT: 13.764 min Scan# 1958  
Delta R.T. 0.006 min  
Lab File: VY016530.D  
Acq: 29 Nov 2023 10:18

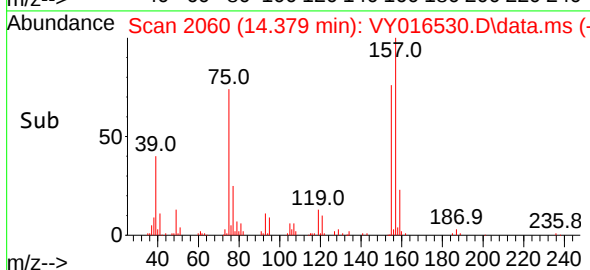
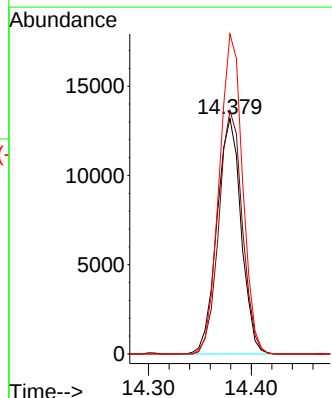
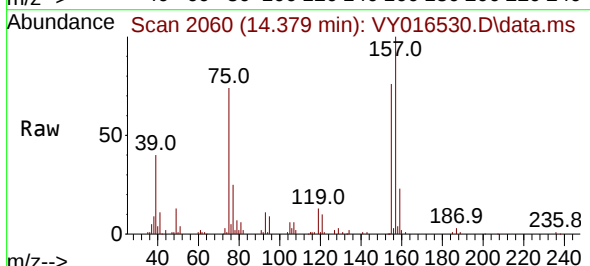
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

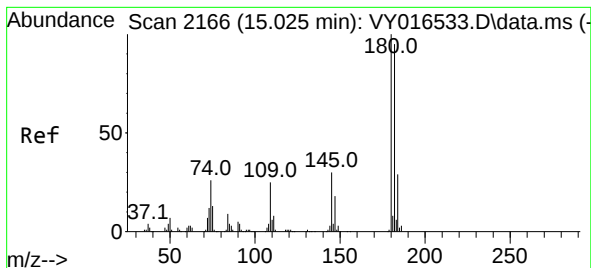
Tgt Ion:146 Resp: 313054  
Ion Ratio Lower Upper  
146 100  
111 39.7 19.7 59.0  
148 64.2 32.0 96.2



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 128.511 ug/l  
RT: 14.379 min Scan# 2060  
Delta R.T. 0.000 min  
Lab File: VY016530.D  
Acq: 29 Nov 2023 10:18

Tgt Ion: 75 Resp: 21537  
Ion Ratio Lower Upper  
75 100  
155 100.0 41.5 124.6  
157 130.5 51.8 155.5





#93

1,2,4-Trichlorobenzene

Concen: 101.131 ug/l

RT: 15.032 min Scan# 2166

Delta R.T. 0.007 min

Lab File: VY016530.D

Acq: 29 Nov 2023 10:18

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC100

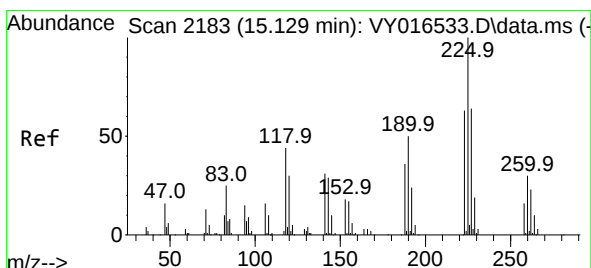
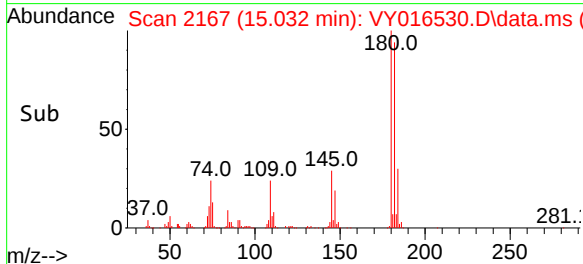
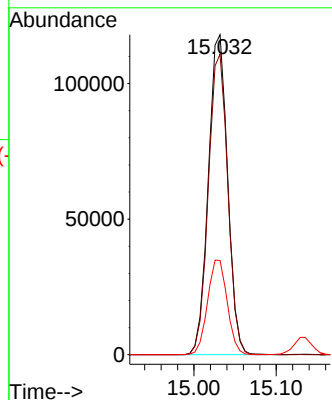
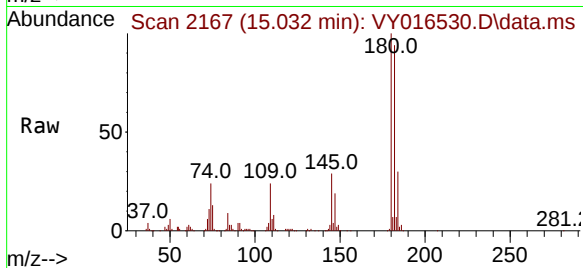
Tgt Ion:180 Resp: 192103

Ion Ratio Lower Upper

180 100

182 94.7 47.0 141.2

145 30.2 14.5 43.5



#94

Hexachlorobutadiene

Concen: 100.692 ug/l

RT: 15.135 min Scan# 2184

Delta R.T. 0.006 min

Lab File: VY016530.D

Acq: 29 Nov 2023 10:18

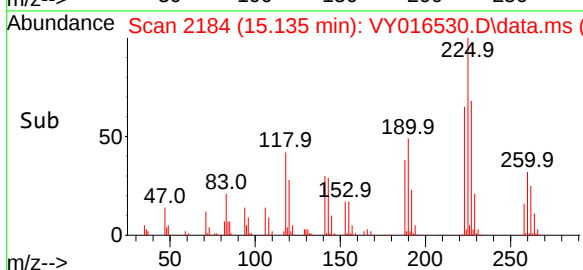
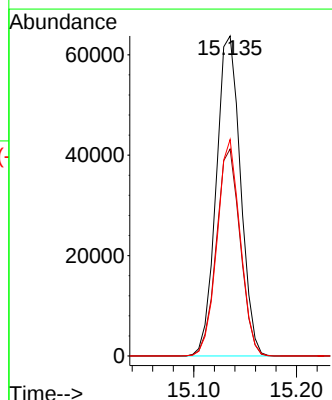
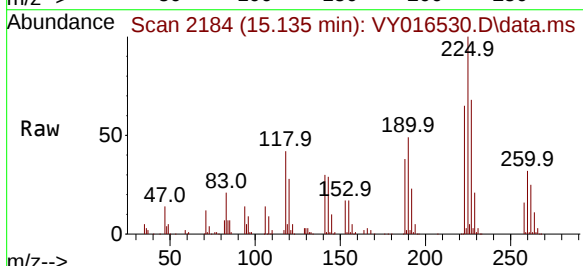
Tgt Ion:225 Resp: 104282

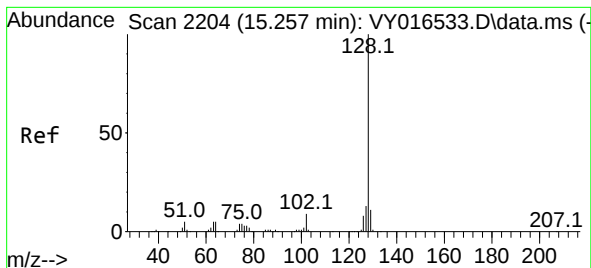
Ion Ratio Lower Upper

225 100

223 63.7 31.9 95.9

227 64.3 33.0 98.9





#95

Naphthalene

Concen: 108.543 ug/l

RT: 15.257 min Scan# 2204

Delta R.T. 0.000 min

Lab File: VY016530.D

Acq: 29 Nov 2023 10:18

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC100

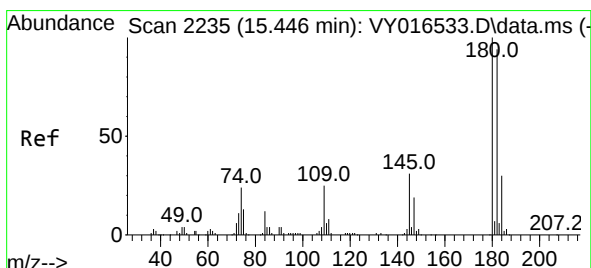
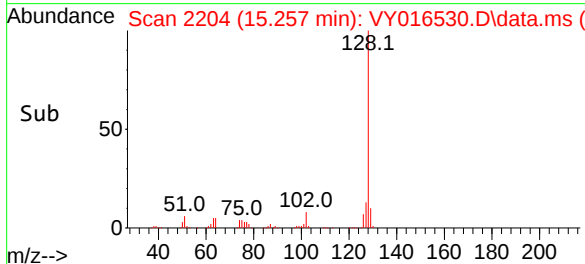
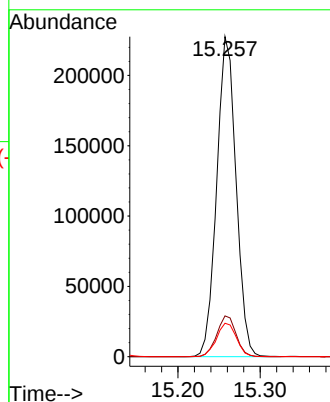
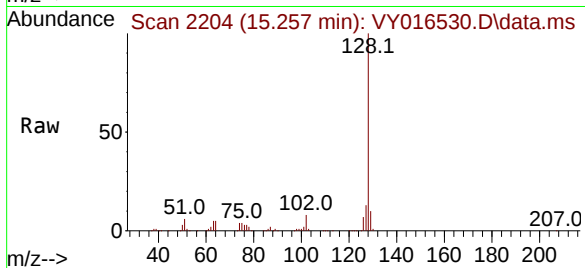
Tgt Ion:128 Resp: 372149

Ion Ratio Lower Upper

128 100

127 12.8 10.8 16.2

129 10.8 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 102.285 ug/l

RT: 15.446 min Scan# 2235

Delta R.T. 0.000 min

Lab File: VY016530.D

Acq: 29 Nov 2023 10:18

Tgt Ion:180 Resp: 159767

Ion Ratio Lower Upper

180 100

182 95.3 47.3 141.8

145 32.0 15.4 46.2

