

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN090924\  
 Data File : VN083722.D  
 Acq On : 09 Sep 2024 17:24  
 Operator : JC\MD  
 Sample : P3815-01DL 5X  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Sep 10 02:13:31 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N083024W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Aug 31 00:48:10 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.224  | 168  | 117993   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.100  | 114  | 239444   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.865 | 117  | 256268   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152  | 118704   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.577  | 65    | 94976    | 57.594   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | = 115.180% |      |
| 35) Dibromofluoromethane    | 8.165  | 113   | 74306    | 51.560   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 103.120% |      |
| 50) Toluene-d8              | 10.565 | 98    | 265224   | 47.269   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | = 94.540%  |      |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 120245   | 57.838   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | = 115.680% |      |

|                               |        |     |        |           |        |     |
|-------------------------------|--------|-----|--------|-----------|--------|-----|
| Target Compounds              |        |     | Qvalue |           |        |     |
| 3) Chloromethane              | 2.365  | 50  | 1649   | 1.134     | ug/l # | 41  |
| 4) Vinyl Chloride             | 2.512  | 62  | 394    | 0.271     | ug/l # | 74  |
| 5) Bromomethane               | 2.900  | 94  | 504    | 0.659     | ug/l # | 74  |
| 6) Chloroethane               | 2.983  | 64  | 1123   | 1.180     | ug/l # | 45  |
| 11) Tert butyl alcohol        | 5.477  | 59  | 58     | 0.226     | ug/l # | 71  |
| 12) 1,1-Dichloroethene        | 4.330  | 96  | 31649  | 24.484    | ug/l   | 90  |
| 16) Acetone                   | 4.447  | 43  | 1421   | 2.161     | ug/l # | 45  |
| 17) Carbon Disulfide          | 4.706  | 76  | 9528   | 2.529     | ug/l # | 92  |
| 18) Methyl Acetate            | 5.018  | 43  | 961    | 0.549     | ug/l # | 52  |
| 20) Methylene Chloride        | 5.259  | 84  | 651    | 0.448     | ug/l # | 81  |
| 21) trans-1,2-Dichloroethene  | 5.777  | 96  | 3175   | 2.358     | ug/l   | 89  |
| 22) Diisopropyl ether         | 6.447  | 45  | 1761   | 0.388     | ug/l # | 13  |
| 24) 1,1-Dichloroethane        | 6.577  | 63  | 4901   | 1.891     | ug/l # | 82  |
| 27) cis-1,2-Dichloroethene    | 7.482  | 96  | 28397  | 17.674    | ug/l   | 89  |
| 31) Cyclohexane               | 8.218  | 56  | 3251   | 1.274     | ug/l # | 64  |
| 38) Carbon Tetrachloride      | 8.224  | 117 | 13105  | 5.225     | ug/l # | 15  |
| 42) 1,2-Dichloroethane        | 8.659  | 62  | 3315   | 1.322     | ug/l   | 81  |
| 43) Isopropyl Acetate         | 8.765  | 43  | 184    | Below Cal | #      | 57  |
| 44) Trichloroethene           | 9.353  | 130 | 6827   | 4.197     | ug/l   | 94  |
| 49) 1,4-Dioxane               | 9.700  | 88  | 888    | 30.202    | ug/l # | 67  |
| 51) 4-Methyl-2-Pentanone      | 10.565 | 43  | 1333   | 0.655     | ug/l # | 1   |
| 52) Toluene                   | 10.623 | 92  | 1126   | 0.266     | ug/l   | 87  |
| 53) t-1,3-Dichloropropene     | 10.829 | 75  | 668    | 0.261     | ug/l   | 95  |
| 59) 2-Hexanone                | 11.194 | 43  | 338    | 0.221     | ug/l # | 24  |
| 68) m/p-Xylenes               | 12.070 | 106 | 1128   | 0.292     | ug/l   | 81  |
| 70) Styrene                   | 12.406 | 104 | 1736   | 0.276     | ug/l # | 87  |
| 76) 1,2,3-Trichloropropane    | 12.847 | 75  | 68455  | 28.563    | ug/l # | 1   |
| 77) Bromobenzene              | 12.976 | 156 | 730    | 0.324     | ug/l   | 90  |
| 78) n-propylbenzene           | 13.035 | 91  | 3163   | 0.285     | ug/l   | 92  |
| 79) 2-Chlorotoluene           | 13.123 | 91  | 1760   | 0.245     | ug/l   | 72  |
| 81) trans-1,4-Dichloro-2-b... | 12.847 | 75  | 68455  | 67.369    | ug/l # | 9   |
| 82) 4-Chlorotoluene           | 13.223 | 91  | 3162   | 0.432     | ug/l   | 93  |
| 84) 1,2,4-Trimethylbenzene    | 13.482 | 105 | 1718   | 0.211     | ug/l   | 100 |
| 85) sec-Butylbenzene          | 13.611 | 105 | 1970   | 0.206     | ug/l # | 66  |
| 86) p-Isopropyltoluene        | 13.723 | 119 | 1658   | 0.208     | ug/l   | 89  |
| 87) 1,3-Dichlorobenzene       | 13.735 | 146 | 1996   | 0.456     | ug/l   | 88  |

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Operator : JC\MD  
Sample : P3815-01DL 5X  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :

Quant Time: Sep 10 02:13:31 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N083024W.M  
Quant Title : SW846 8260  
QLast Update : Sat Aug 31 00:48:10 2024  
Response via : Initial Calibration

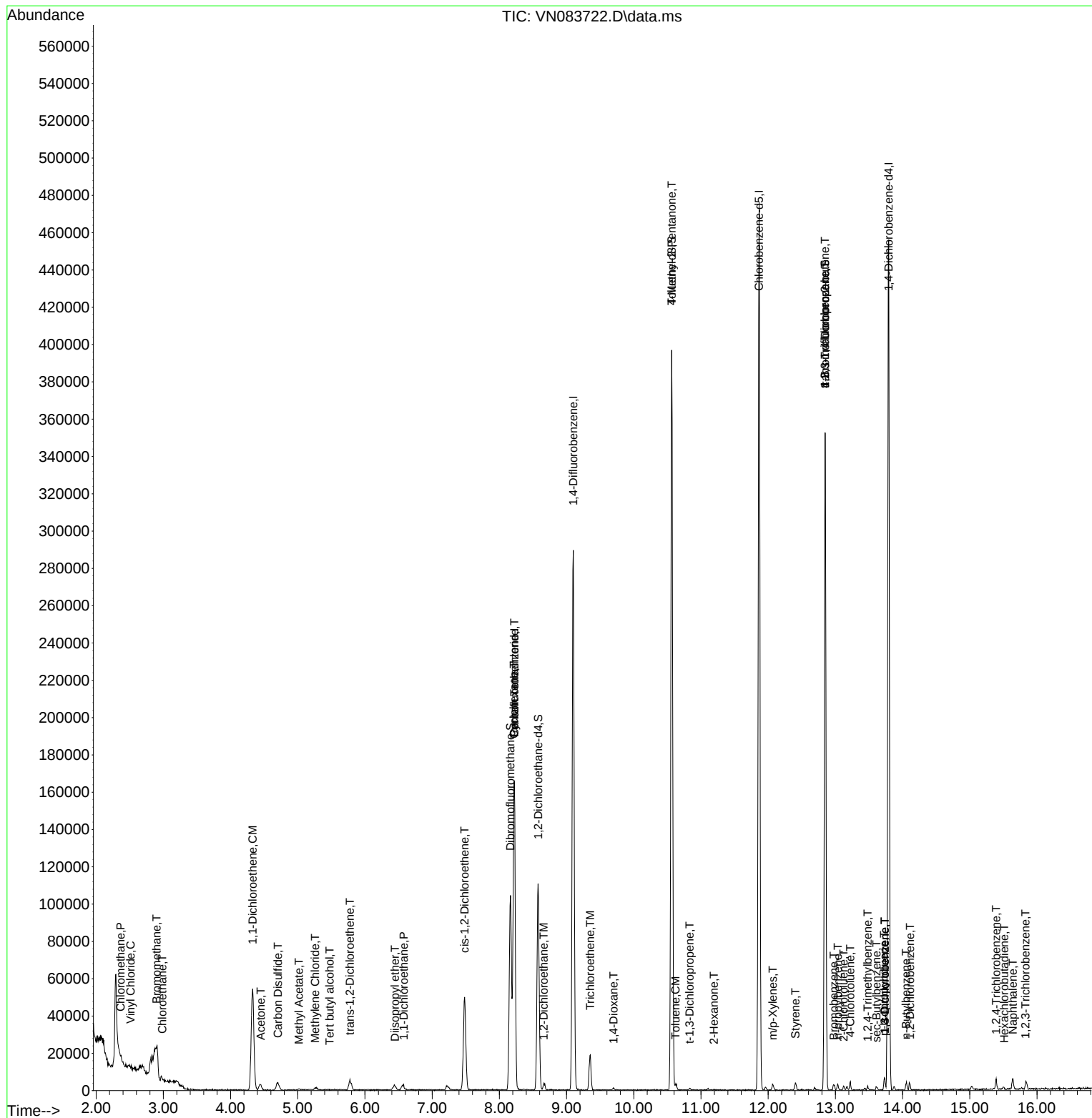
| Compound                   | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|----------------------------|--------|------|----------|-------|--------|----------|
| 88) 1,4-Dichlorobenzene    | 13.735 | 146  | 1996     | 0.444 | ug/l   | 89       |
| 89) n-Butylbenzene         | 14.053 | 91   | 2933     | 0.417 | ug/l   | 92       |
| 91) 1,2-Dichlorobenzene    | 14.111 | 146  | 1790     | 0.425 | ug/l   | 89       |
| 93) 1,2,4-Trichlorobenzene | 15.394 | 180  | 1660     | 0.695 | ug/l   | 89       |
| 94) Hexachlorobutadiene    | 15.511 | 225  | 407      | 0.425 | ug/l # | 18       |
| 95) Naphthalene            | 15.641 | 128  | 5331     | 0.694 | ug/l # | 94       |
| 96) 1,2,3-Trichlorobenzene | 15.829 | 180  | 1677     | 0.703 | ug/l   | 91       |

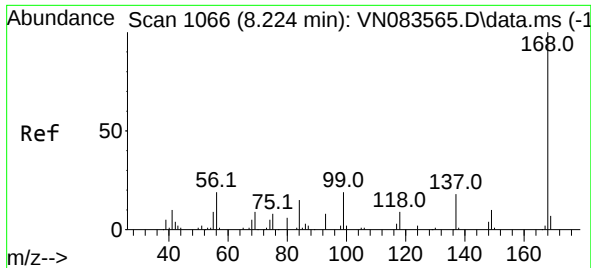
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Quant Title : SW846 8260  
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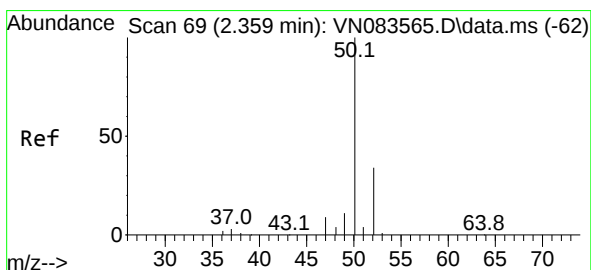
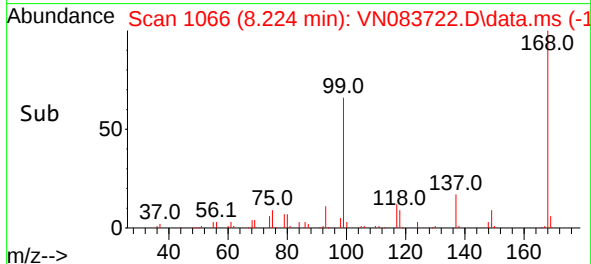
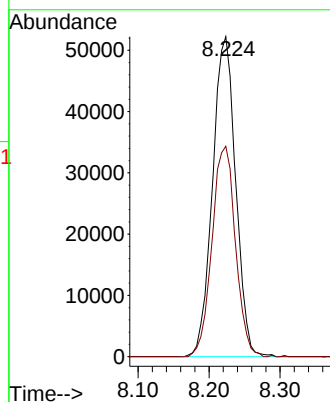
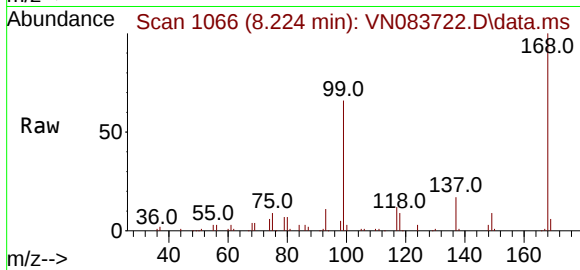




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VN083722.D  
Acq: 09 Sep 2024 17:24

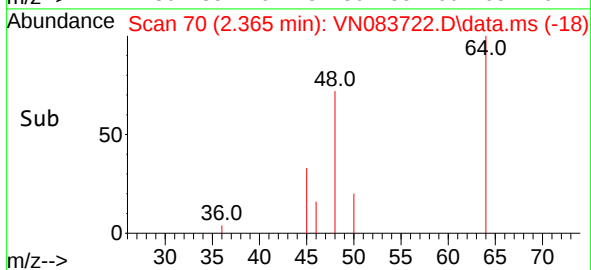
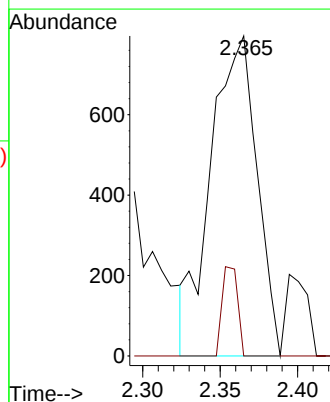
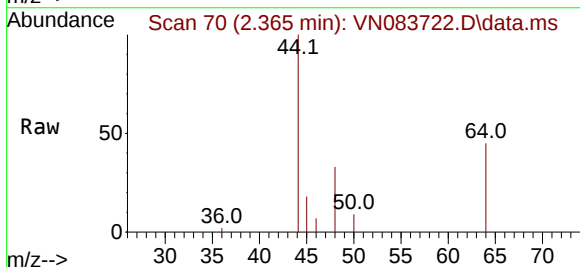
Instrument :  
MSVOA\_N  
ClientSampleId :

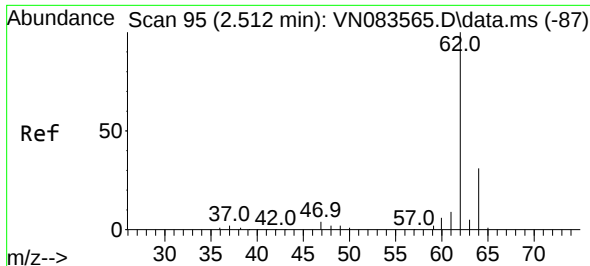
Tgt Ion:168 Resp: 117993  
Ion Ratio Lower Upper  
168 100  
99 65.8 54.2 81.2



#3  
Chloromethane  
Concen: 1.134 ug/l  
RT: 2.365 min Scan# 70  
Delta R.T. 0.006 min  
Lab File: VN083722.D  
Acq: 09 Sep 2024 17:24

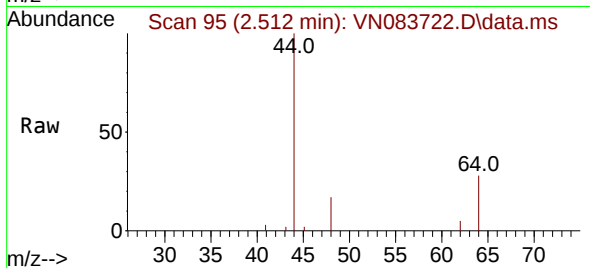
Tgt Ion: 50 Resp: 1649  
Ion Ratio Lower Upper  
50 100  
52 0.0 27.2 40.8#



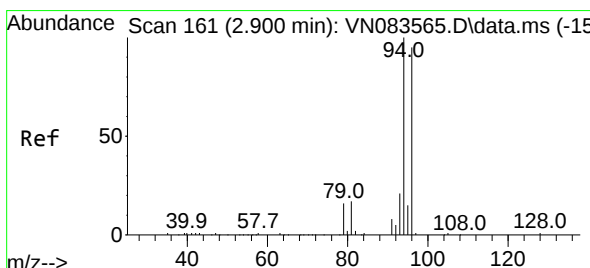
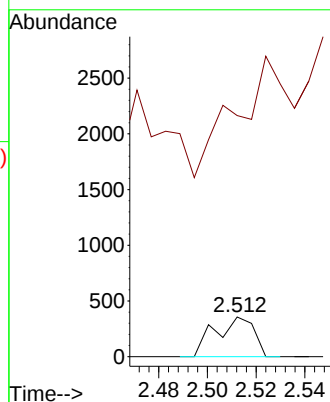
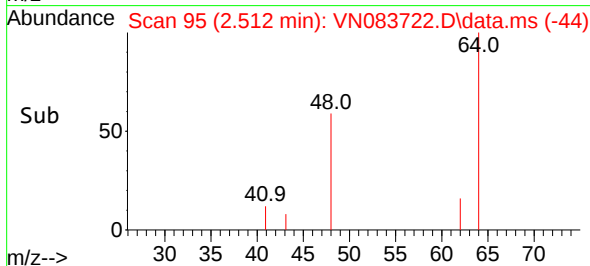


#4  
 Vinyl Chloride  
 Concen: 0.271 ug/l  
 RT: 2.512 min Scan# 91  
 Delta R.T. -0.000 min  
 Lab File: VN083722.D  
 Acq: 09 Sep 2024 17:24

Instrument :  
 MSVOA\_N  
 ClientSampleId :

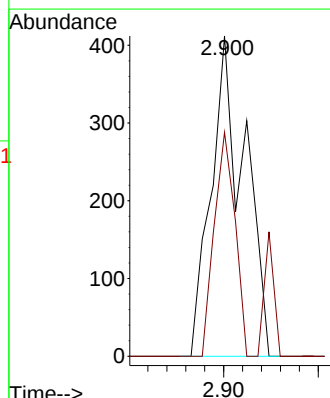
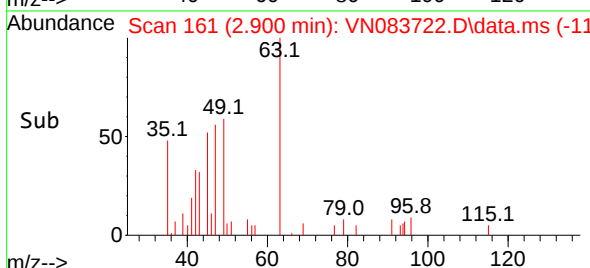
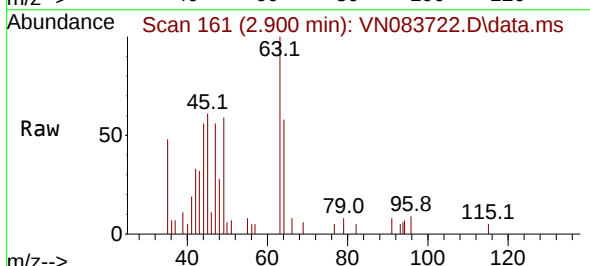


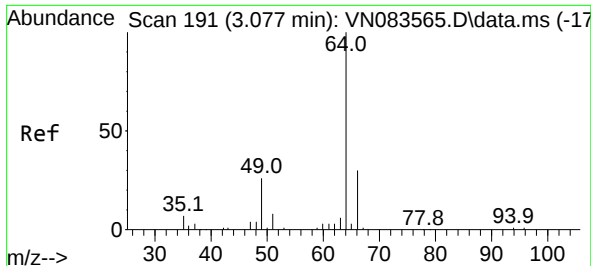
Tgt Ion: 62 Resp: 394  
 Ion Ratio Lower Upper  
 62 100  
 64 45.4 24.7 37.1#



#5  
 Bromomethane  
 Concen: 0.659 ug/l  
 RT: 2.900 min Scan# 161  
 Delta R.T. -0.000 min  
 Lab File: VN083722.D  
 Acq: 09 Sep 2024 17:24

Tgt Ion: 94 Resp: 504  
 Ion Ratio Lower Upper  
 94 100  
 96 69.9 76.0 114.0#

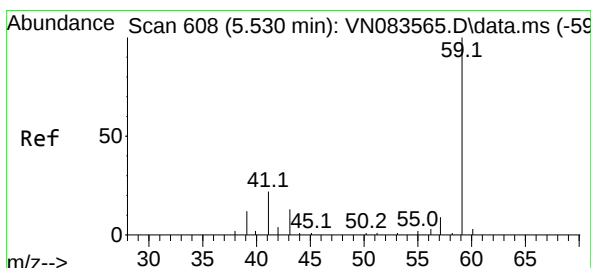
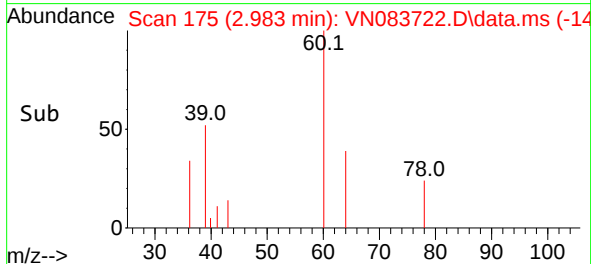
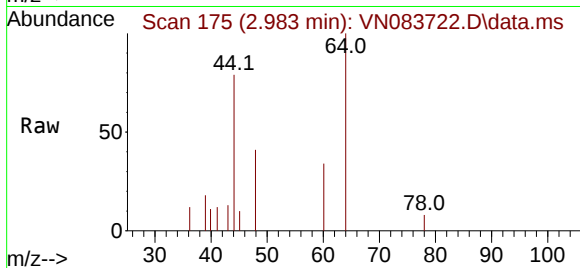




#6  
Chloroethane  
Concen: 1.180 ug/l  
RT: 2.983 min Scan# 11  
Delta R.T. -0.094 min  
Lab File: VN083722.D  
Acq: 09 Sep 2024 17:24

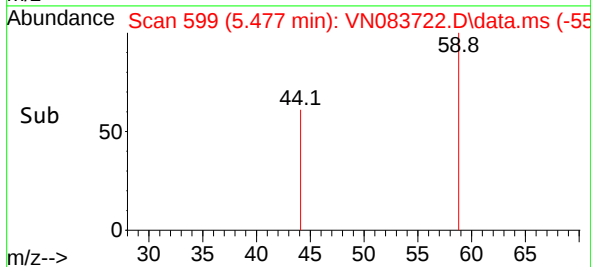
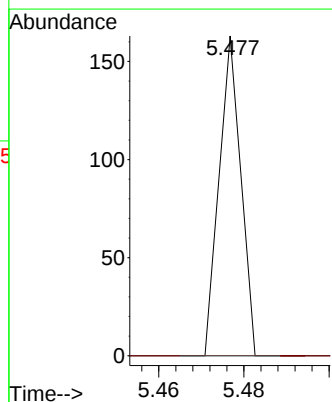
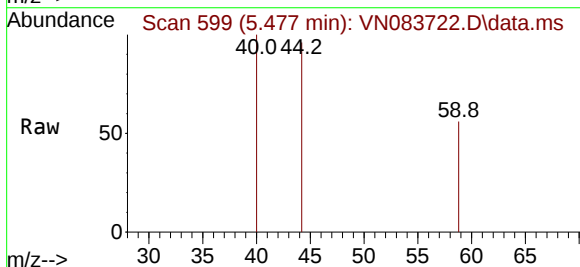
Instrument :  
MSVOA\_N  
ClientSampleId :

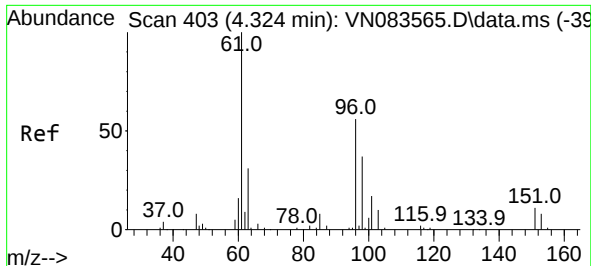
Tgt Ion: 64 Resp: 1123  
Ion Ratio Lower Upper  
64 100  
66 0.0 23.9 35.9#



#11  
Tert butyl alcohol  
Concen: 0.226 ug/l  
RT: 5.477 min Scan# 599  
Delta R.T. -0.053 min  
Lab File: VN083722.D  
Acq: 09 Sep 2024 17:24

Tgt Ion: 59 Resp: 58  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.7 13.1#

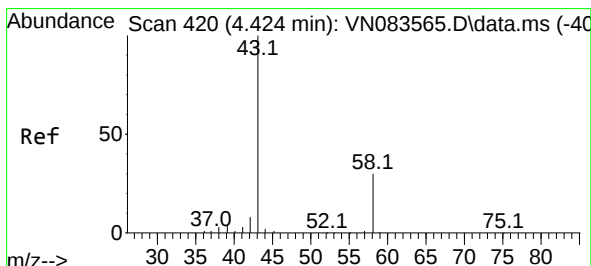
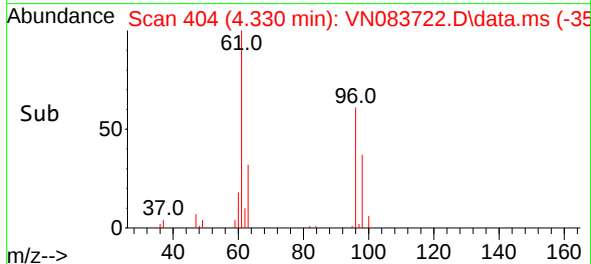
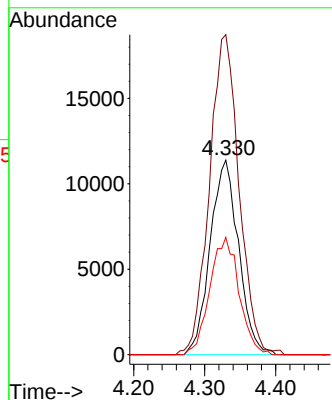
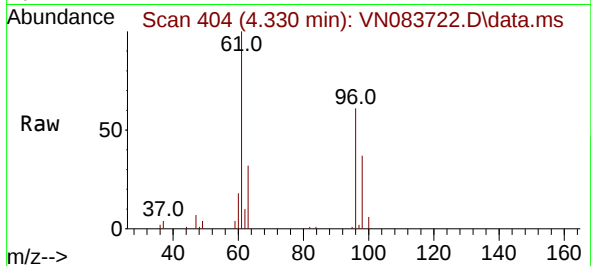




#12  
1,1-Dichloroethene  
Concen: 24.484 ug/l  
RT: 4.330 min Scan# 403  
Delta R.T. 0.006 min  
Lab File: VN083722.D  
Acq: 09 Sep 2024 17:24

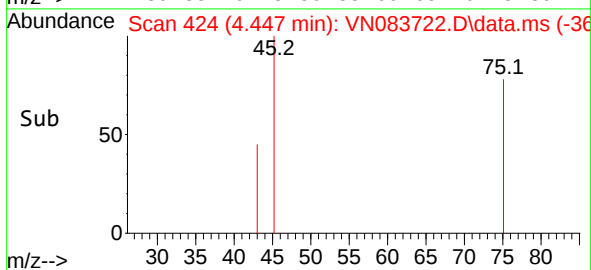
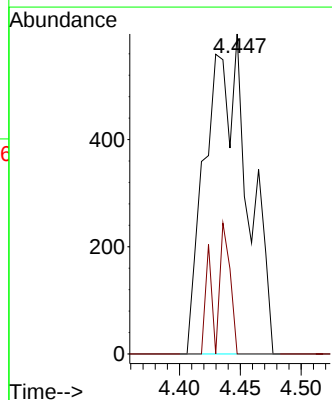
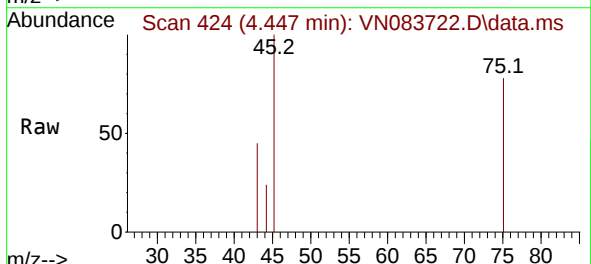
Instrument :  
MSVOA\_N  
ClientSampleId :

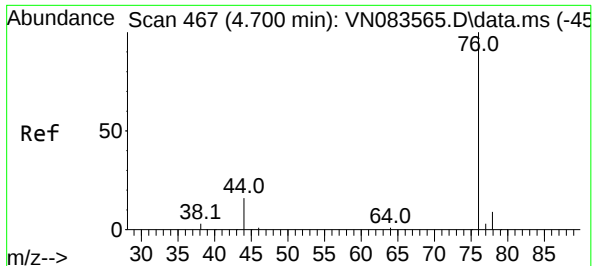
Tgt Ion: 96 Resp: 31649  
Ion Ratio Lower Upper  
96 100  
61 162.6 143.4 215.0  
98 60.3 52.7 79.1



#16  
Acetone  
Concen: 2.161 ug/l  
RT: 4.447 min Scan# 424  
Delta R.T. 0.023 min  
Lab File: VN083722.D  
Acq: 09 Sep 2024 17:24

Tgt Ion: 43 Resp: 1421  
Ion Ratio Lower Upper  
43 100  
58 0.0 23.7 35.5#

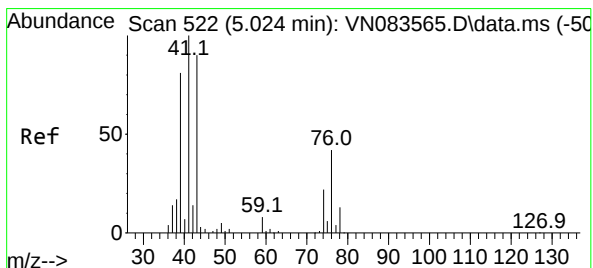
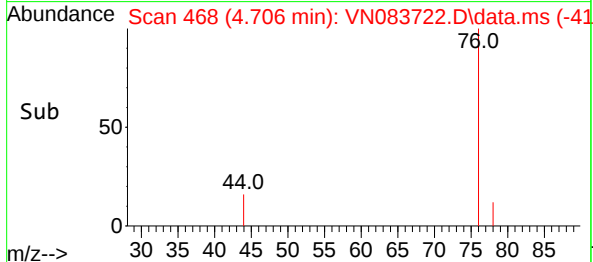
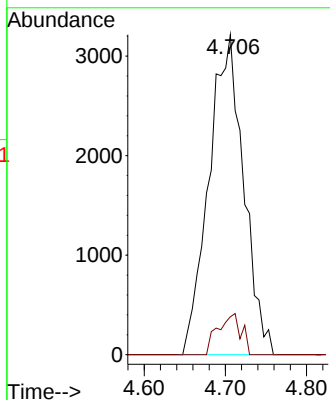
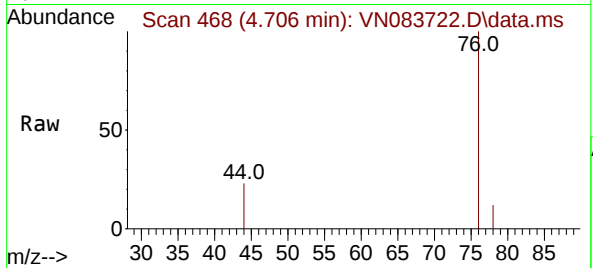




#17  
Carbon Disulfide  
Concen: 2.529 ug/l  
RT: 4.706 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VN083722.D  
Acq: 09 Sep 2024 17:24

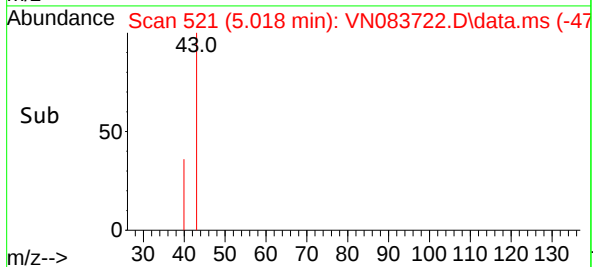
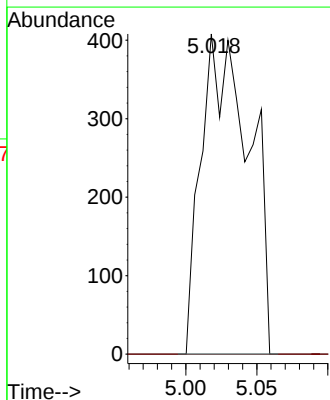
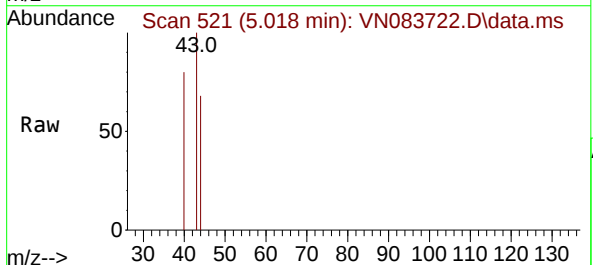
Instrument :  
MSVOA\_N  
ClientSampleId :

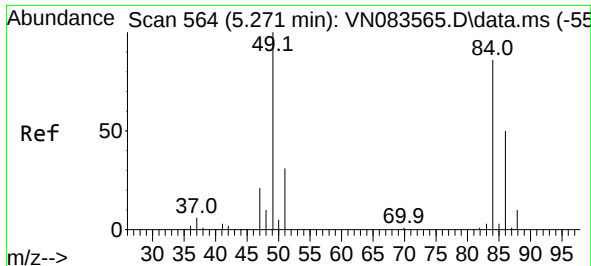
Tgt Ion: 76 Resp: 9528  
Ion Ratio Lower Upper  
76 100  
78 11.9 7.1 10.7#



#18  
Methyl Acetate  
Concen: 0.549 ug/l  
RT: 5.018 min Scan# 521  
Delta R.T. -0.006 min  
Lab File: VN083722.D  
Acq: 09 Sep 2024 17:24

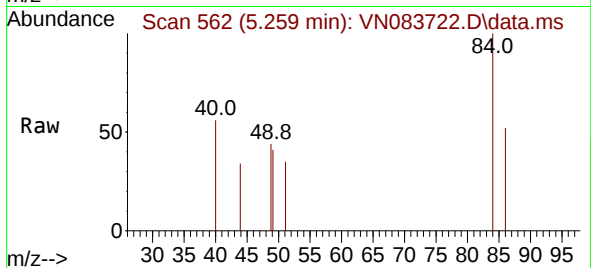
Tgt Ion: 43 Resp: 961  
Ion Ratio Lower Upper  
43 100  
74 0.0 19.0 28.4#





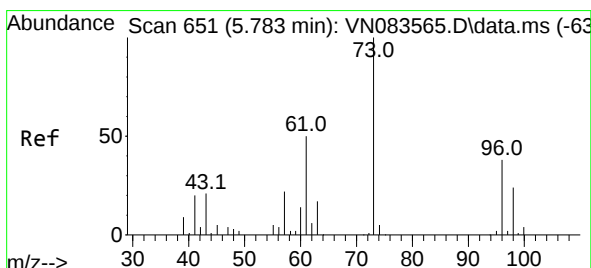
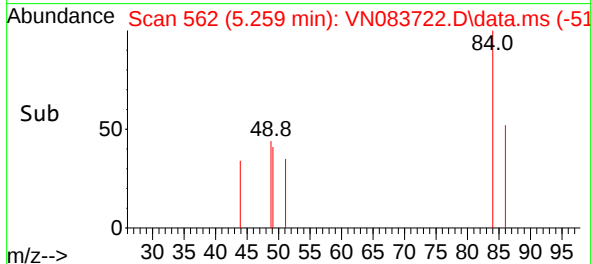
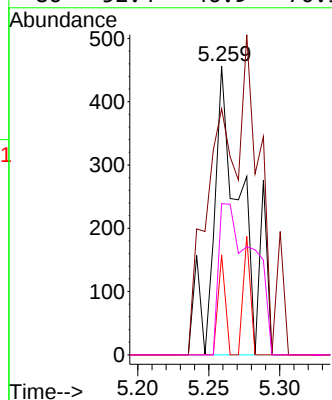
#20  
Methylene Chloride  
Concen: 0.448 ug/l  
RT: 5.259 min Scan# 51  
Delta R.T. -0.012 min  
Lab File: VN083722.D  
Acq: 09 Sep 2024 17:24

Instrument :  
MSVOA\_N  
ClientSampleId :



Tgt Ion: 84 Resp: 651

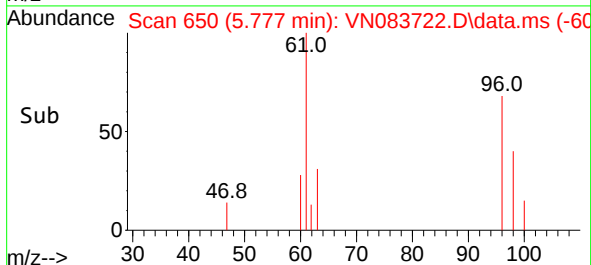
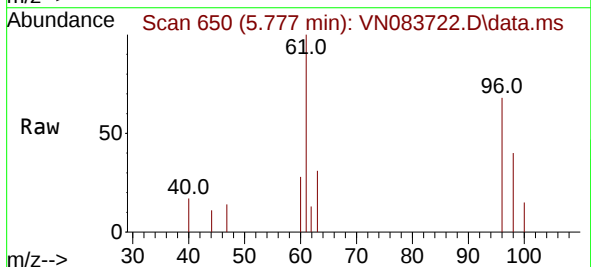
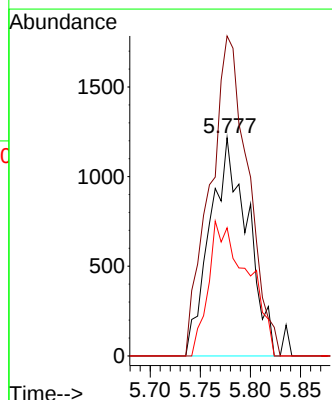
| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 84  | 100   |       |        |
| 49  | 85.3  | 93.4  | 140.0# |
| 51  | 34.6  | 29.2  | 43.8   |
| 86  | 52.4  | 46.9  | 70.3   |

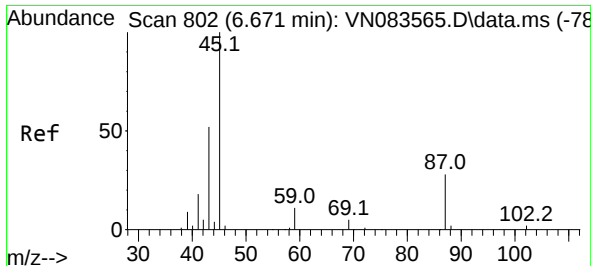


#21  
trans-1,2-Dichloroethene  
Concen: 2.358 ug/l  
RT: 5.777 min Scan# 650  
Delta R.T. -0.006 min  
Lab File: VN083722.D  
Acq: 09 Sep 2024 17:24

Tgt Ion: 96 Resp: 3175

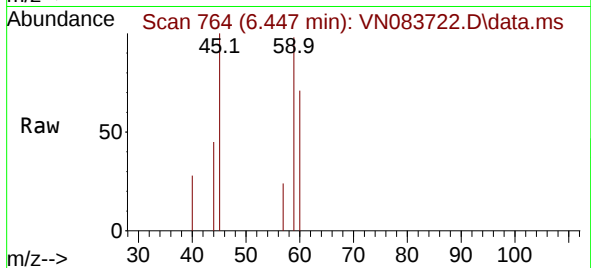
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 146.7 | 106.0 | 159.0 |
| 98  | 58.8  | 52.2  | 78.2  |



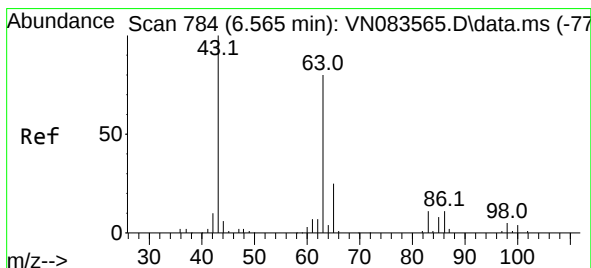
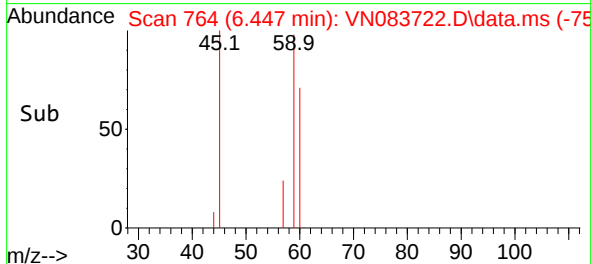
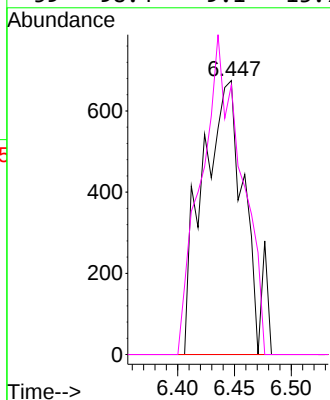


#22  
Diisopropyl ether  
Concen: 0.388 ug/l  
RT: 6.447 min Scan# 764  
Delta R.T. -0.224 min  
Lab File: VN083722.D  
Acq: 09 Sep 2024 17:24

Instrument :  
MSVOA\_N  
ClientSampleId :

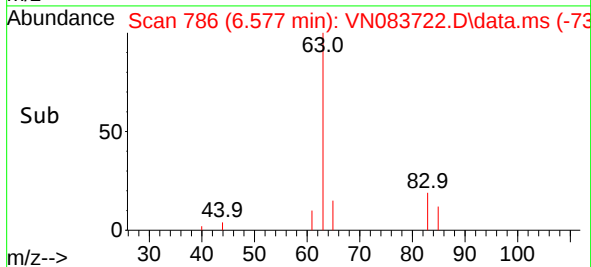
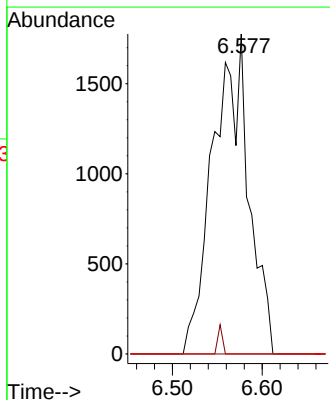
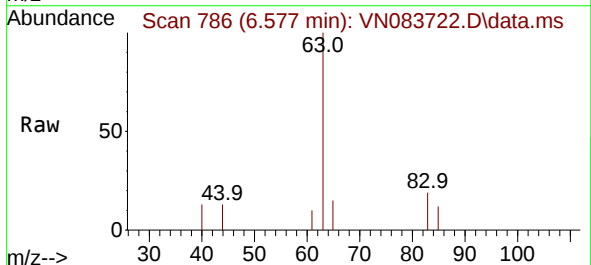


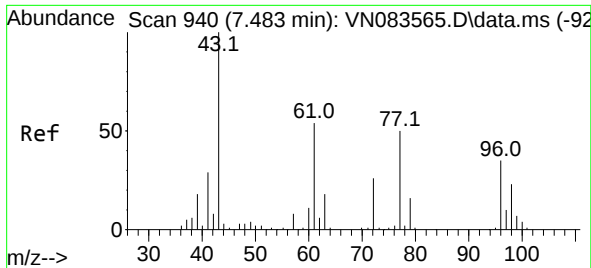
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 45    | Resp: | 1761  |
| Ion      | Ratio | Lower | Upper |
| 45       | 100   |       |       |
| 43       | 0.0   | 43.4  | 65.0# |
| 87       | 0.0   | 22.6  | 33.8# |
| 59       | 98.4  | 9.1   | 13.7# |



#24  
1,1-Dichloroethane  
Concen: 1.891 ug/l  
RT: 6.577 min Scan# 786  
Delta R.T. 0.012 min  
Lab File: VN083722.D  
Acq: 09 Sep 2024 17:24

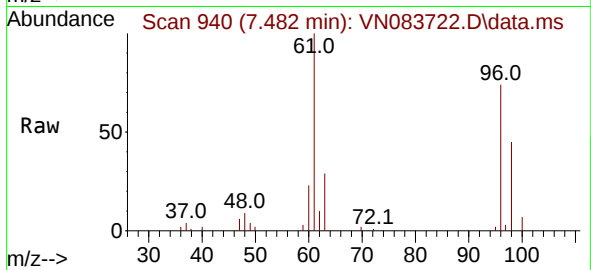
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 4901  |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 98       | 0.0   | 3.5   | 10.4# |
| 100      | 0.0   | 2.5   | 7.5#  |





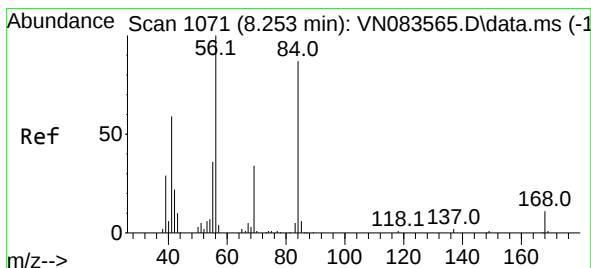
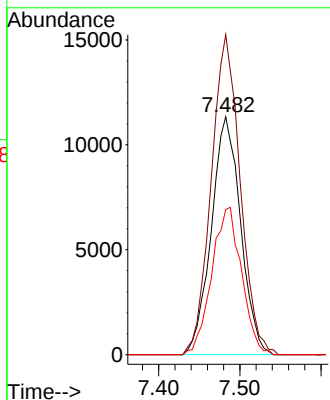
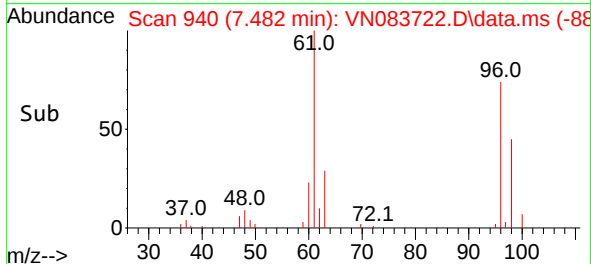
#27  
 cis-1,2-Dichloroethene  
 Concen: 17.674 ug/l  
 RT: 7.482 min Scan# 940  
 Delta R.T. -0.000 min  
 Lab File: VN083722.D  
 Acq: 09 Sep 2024 17:24

Instrument :  
 MSVOA\_N  
 ClientSampleId :

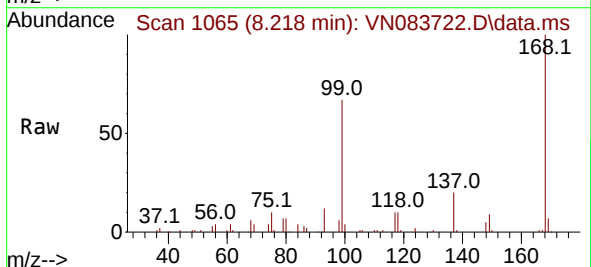


Tgt Ion: 96 Resp: 28397

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 133.0 | 0.0   | 306.2 |
| 98  | 63.1  | 0.0   | 128.6 |

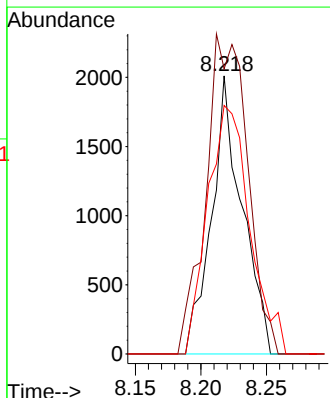
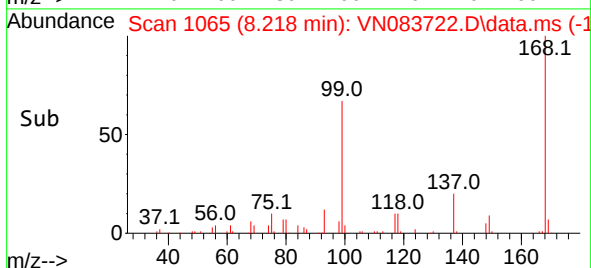


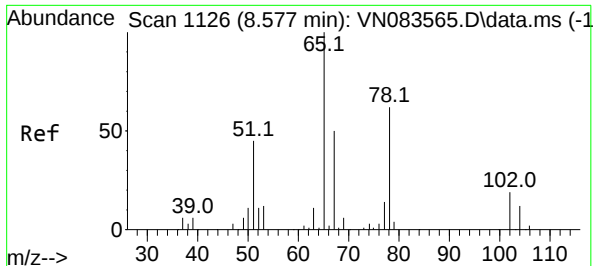
#31  
 Cyclohexane  
 Concen: 1.274 ug/l  
 RT: 8.218 min Scan# 1065  
 Delta R.T. -0.035 min  
 Lab File: VN083722.D  
 Acq: 09 Sep 2024 17:24



Tgt Ion: 56 Resp: 3251

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 56  | 100   |       |       |
| 69  | 102.5 | 26.9  | 40.3# |
| 84  | 89.4  | 69.2  | 103.8 |





#33

1,2-Dichloroethane-d4

Concen: 57.594 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN083722.D

Acq: 09 Sep 2024 17:24

Instrument :

MSVOA\_N

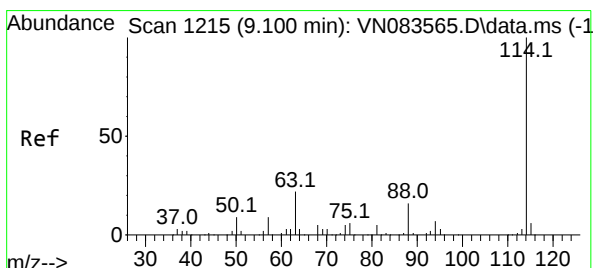
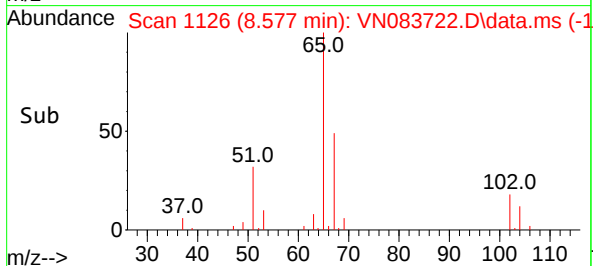
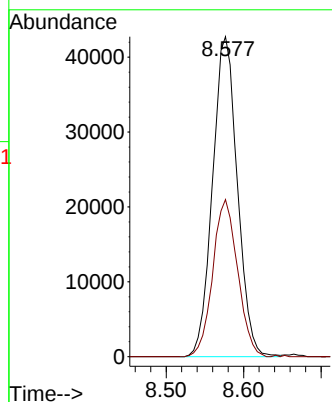
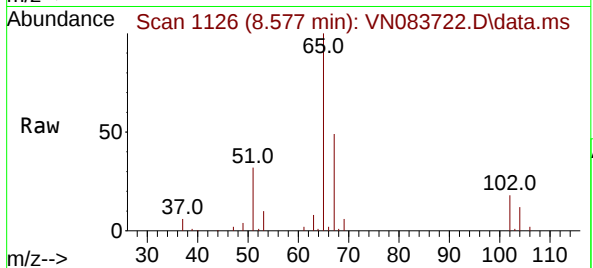
ClientSampleId :

Tgt Ion: 65 Resp: 94976

Ion Ratio Lower Upper

65 100

67 49.3 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN083722.D

Acq: 09 Sep 2024 17:24

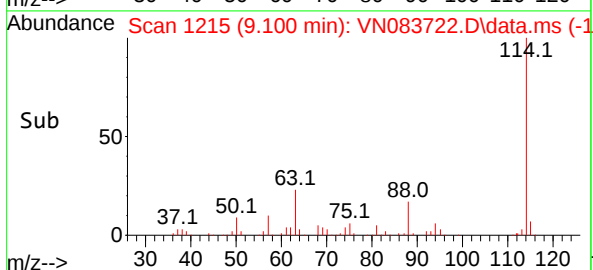
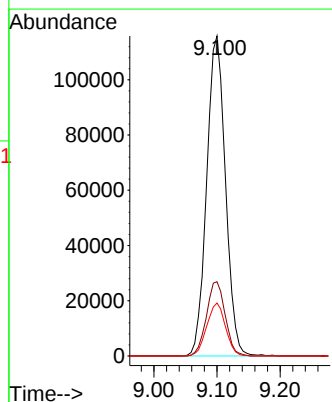
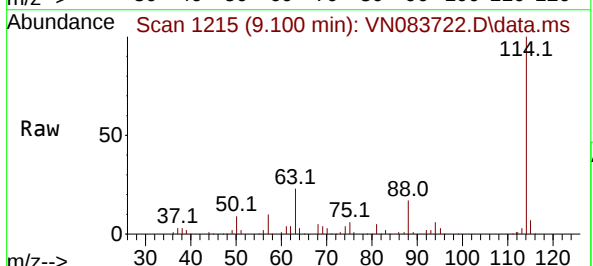
Tgt Ion: 114 Resp: 239444

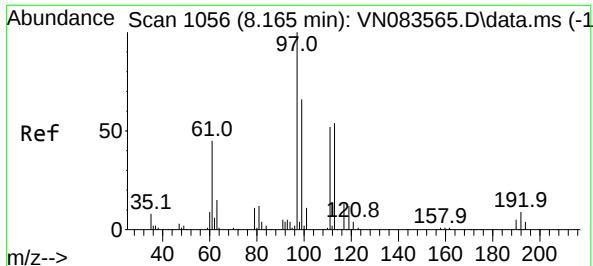
Ion Ratio Lower Upper

114 100

63 23.2 0.0 43.4

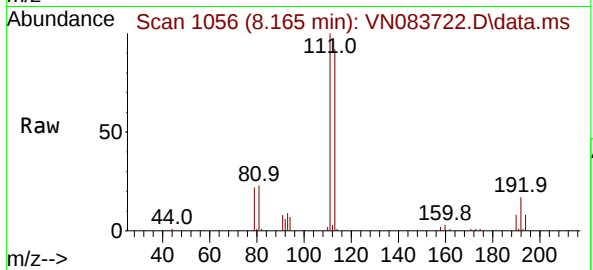
88 16.6 0.0 32.6



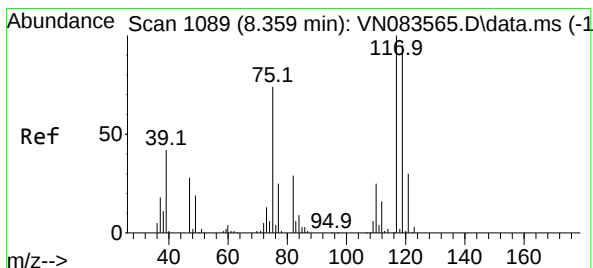
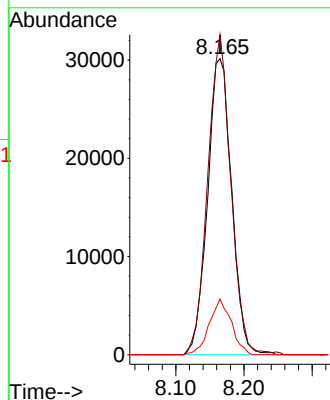
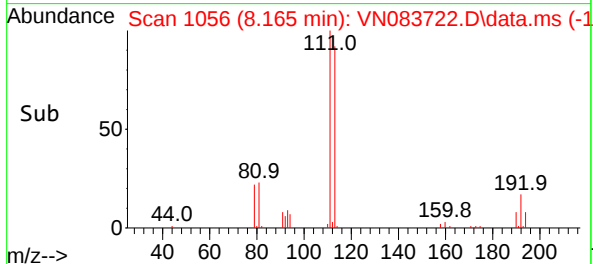


#35  
Dibromofluoromethane  
Concen: 51.560 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. -0.000 min  
Lab File: VN083722.D  
Acq: 09 Sep 2024 17:24

Instrument :  
MSVOA\_N  
ClientSampleId :

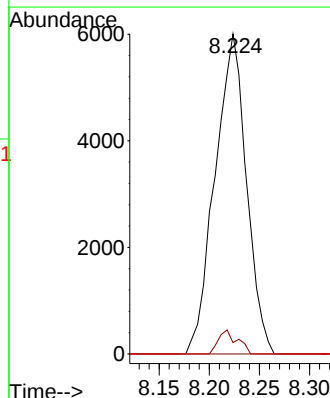
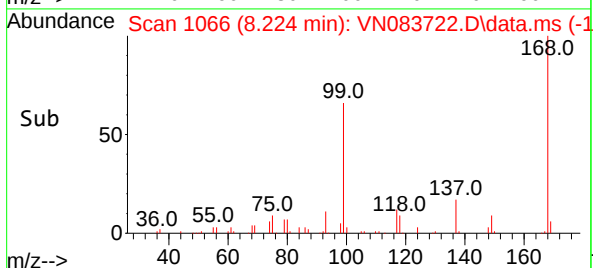
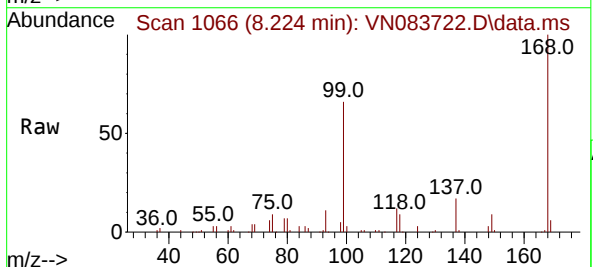


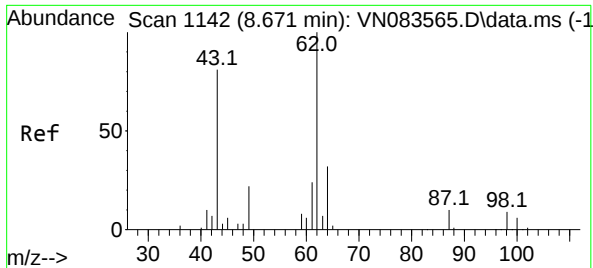
Tgt Ion:113 Resp: 74306  
Ion Ratio Lower Upper  
113 100  
111 103.3 82.6 124.0  
192 17.2 14.3 21.5



#38  
Carbon Tetrachloride  
Concen: 5.225 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.135 min  
Lab File: VN083722.D  
Acq: 09 Sep 2024 17:24

Tgt Ion:117 Resp: 13105  
Ion Ratio Lower Upper  
117 100  
119 3.5 76.1 114.1#  
121 0.0 24.1 36.1#

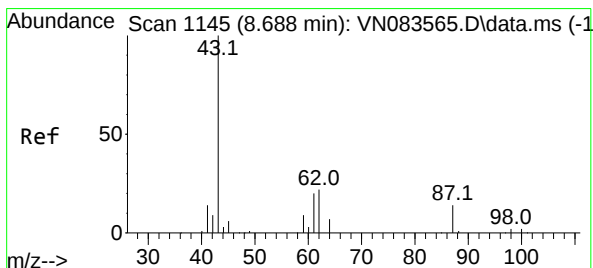
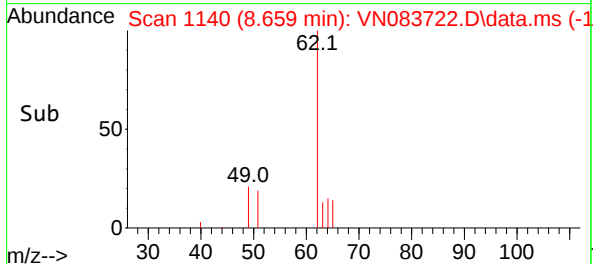
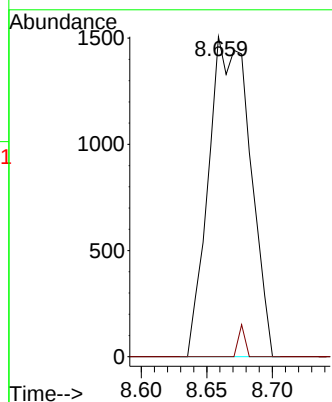
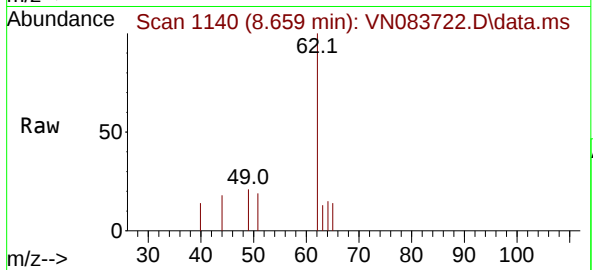




#42  
1,2-Dichloroethane  
Concen: 1.322 ug/l  
RT: 8.659 min Scan# 1140  
Delta R.T. -0.012 min  
Lab File: VN083722.D  
Acq: 09 Sep 2024 17:24

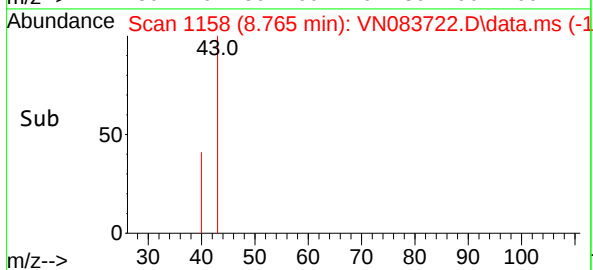
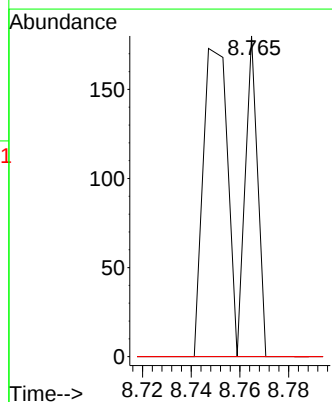
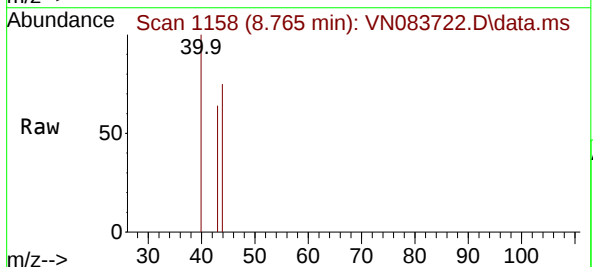
Instrument :  
MSVOA\_N  
ClientSampleId :

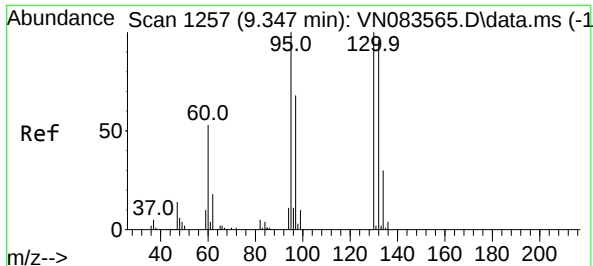
Tgt Ion: 62 Resp: 3315  
Ion Ratio Lower Upper  
62 100  
98 1.6 0.0 16.6



#43  
Isopropyl Acetate  
Concen: Below Cal  
RT: 8.765 min Scan# 1158  
Delta R.T. 0.077 min  
Lab File: VN083722.D  
Acq: 09 Sep 2024 17:24

Tgt Ion: 43 Resp: 184  
Ion Ratio Lower Upper  
43 100  
61 0.0 19.4 29.0#  
87 0.0 9.8 14.6#

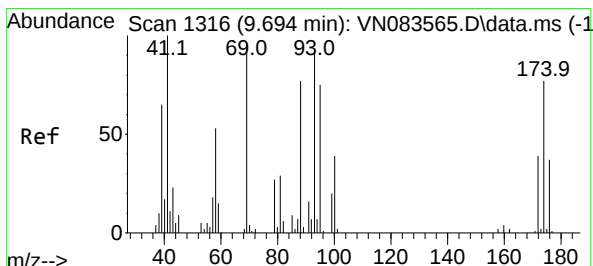
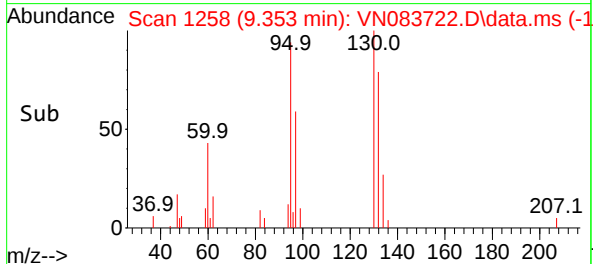
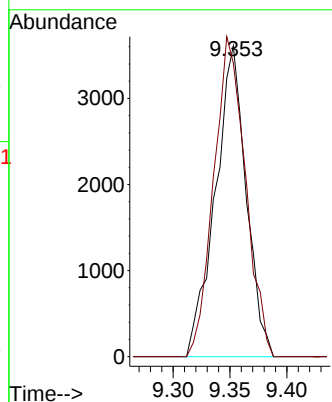
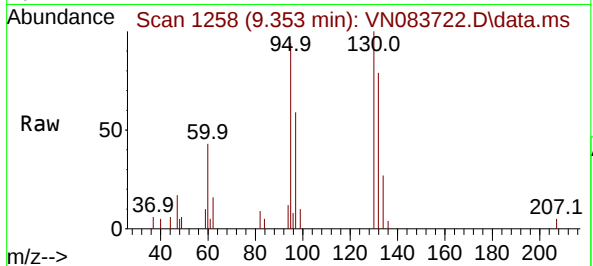




#44  
Trichloroethene  
Concen: 4.197 ug/l  
RT: 9.353 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN083722.D  
Acq: 09 Sep 2024 17:24

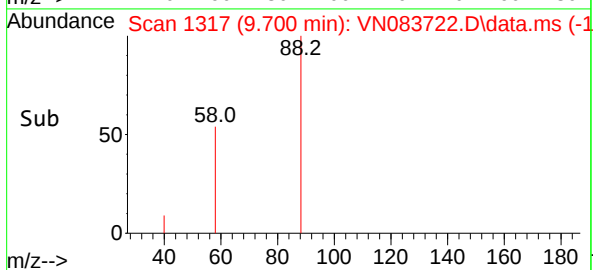
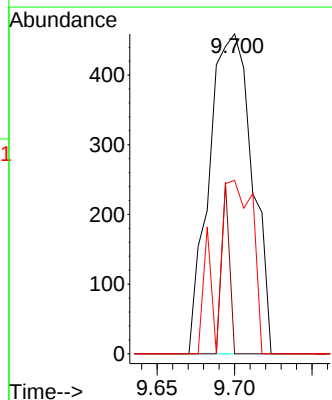
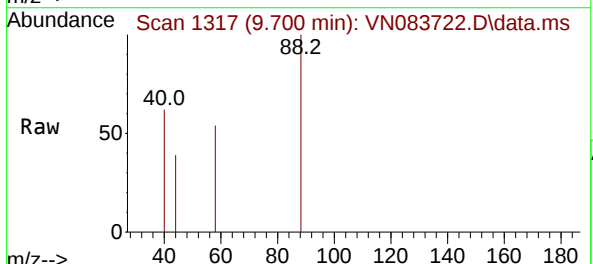
Instrument :  
MSVOA\_N  
ClientSampleId :

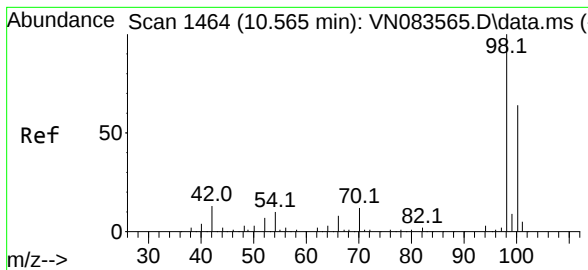
Tgt Ion:130 Resp: 6827  
Ion Ratio Lower Upper  
130 100  
95 94.5 0.0 200.4



#49  
1,4-Dioxane  
Concen: 30.202 ug/l  
RT: 9.700 min Scan# 1317  
Delta R.T. 0.006 min  
Lab File: VN083722.D  
Acq: 09 Sep 2024 17:24

Tgt Ion: 88 Resp: 888  
Ion Ratio Lower Upper  
88 100  
43 9.8 0.0 0.0#  
58 44.3 57.1 85.7#

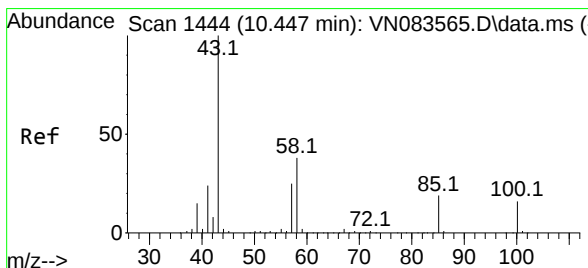
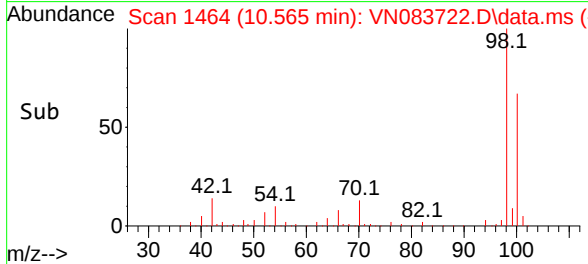
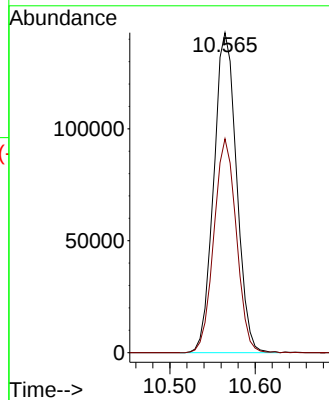
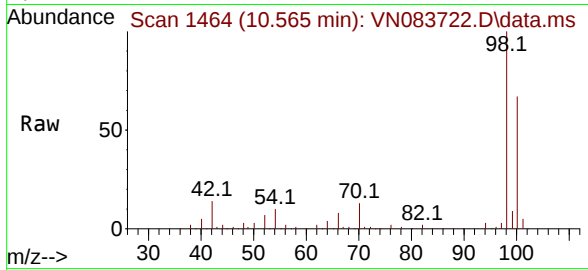




#50  
Toluene-d8  
Concen: 47.269 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. -0.000 min  
Lab File: VN083722.D  
Acq: 09 Sep 2024 17:24

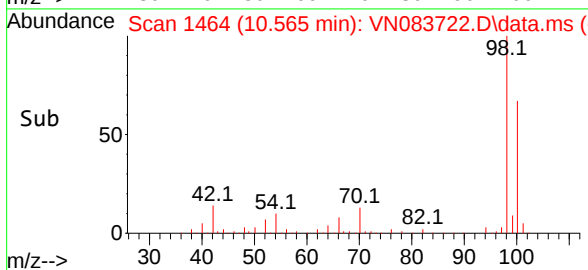
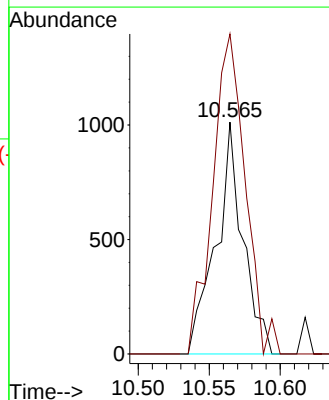
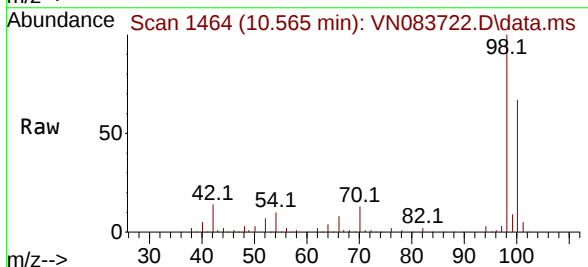
Instrument :  
MSVOA\_N  
ClientSampleId :

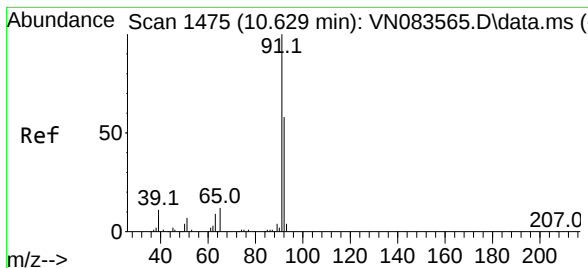
Tgt Ion: 98 Resp: 265224  
Ion Ratio Lower Upper  
98 100  
100 66.0 52.0 78.0



#51  
4-Methyl-2-Pentanone  
Concen: 0.655 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. 0.118 min  
Lab File: VN083722.D  
Acq: 09 Sep 2024 17:24

Tgt Ion: 43 Resp: 1333  
Ion Ratio Lower Upper  
43 100  
58 167.2 31.6 47.4#





#52

Toluene

Concen: 0.266 ug/l

RT: 10.623 min Scan# 1475

Delta R.T. -0.006 min

Lab File: VN083722.D

Acq: 09 Sep 2024 17:24

Instrument :

MSVOA\_N

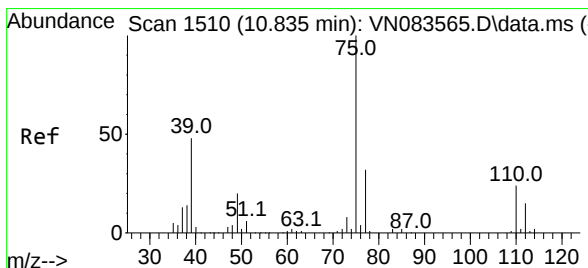
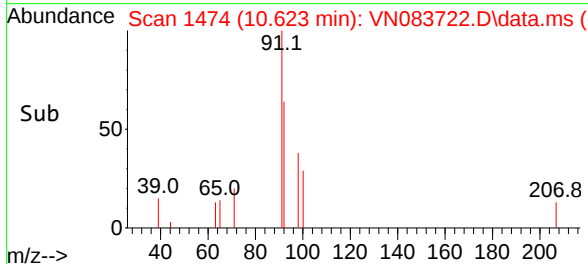
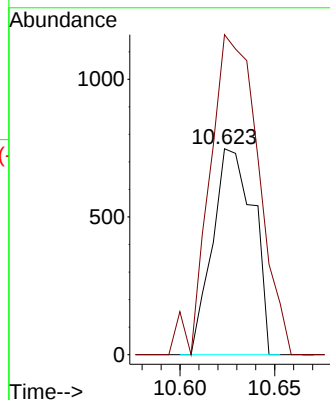
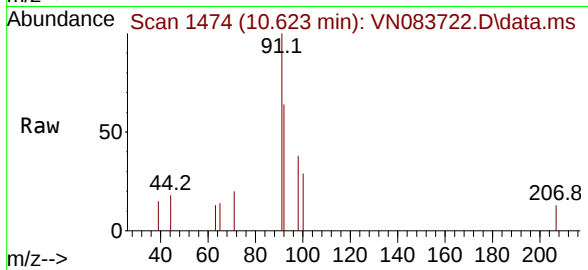
ClientSampleId :

Tgt Ion: 92 Resp: 1126

Ion Ratio Lower Upper

92 100

91 185.5 134.7 202.1



#53

t-1,3-Dichloropropene

Concen: 0.261 ug/l

RT: 10.829 min Scan# 1509

Delta R.T. -0.006 min

Lab File: VN083722.D

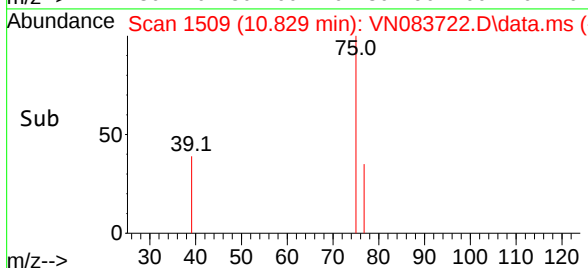
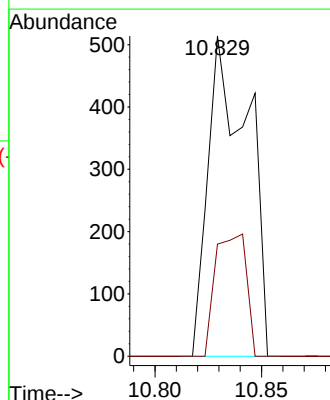
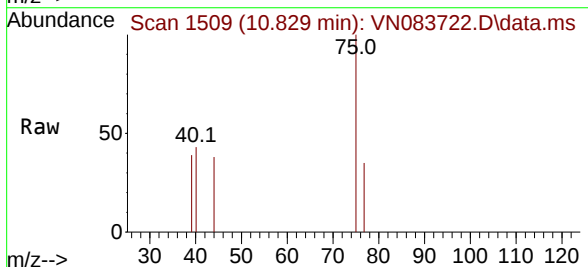
Acq: 09 Sep 2024 17:24

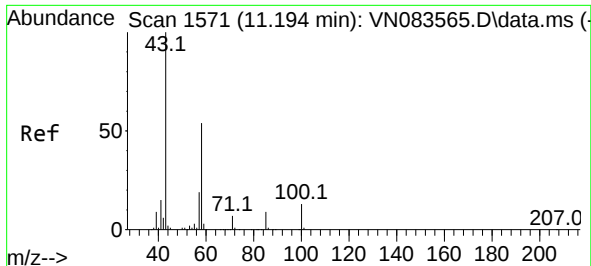
Tgt Ion: 75 Resp: 668

Ion Ratio Lower Upper

75 100

77 35.0 25.8 38.6

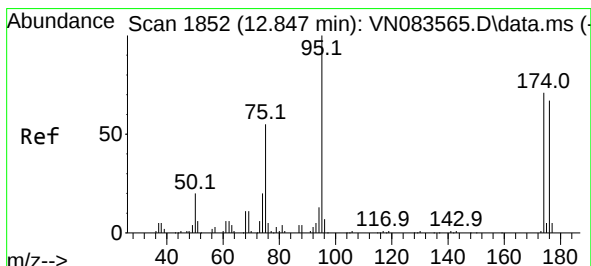
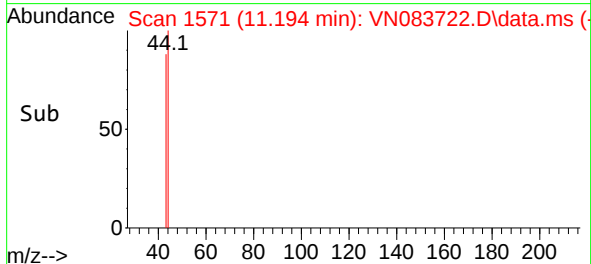
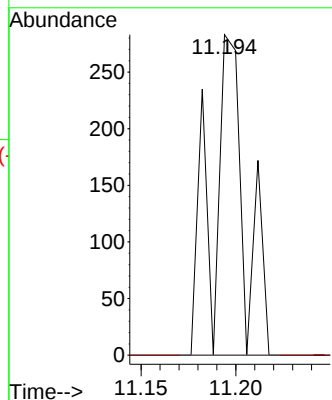
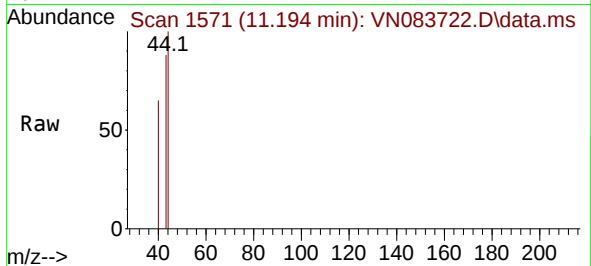




#59  
2-Hexanone  
Concen: 0.221 ug/l  
RT: 11.194 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN083722.D  
Acq: 09 Sep 2024 17:24

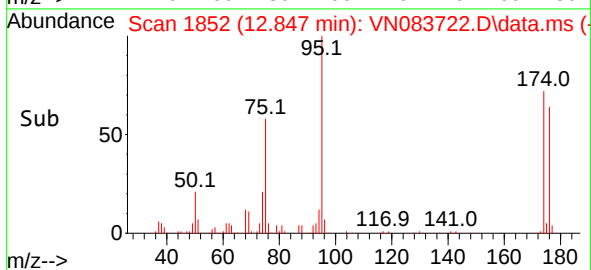
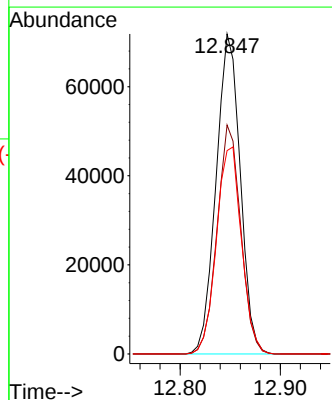
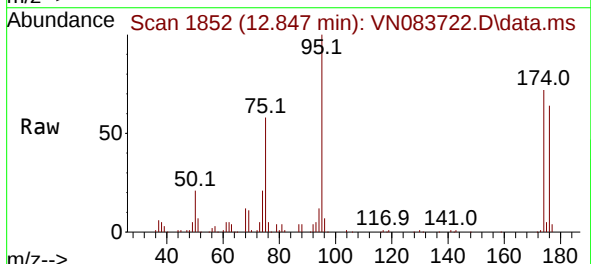
Instrument :  
MSVOA\_N  
ClientSampleId :

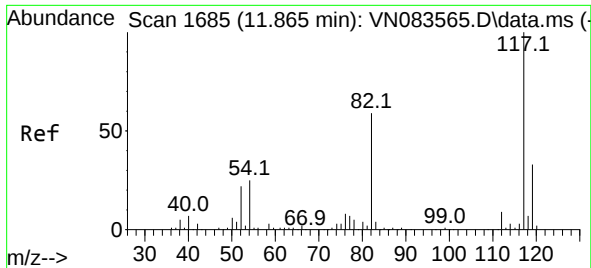
Tgt Ion: 43 Resp: 338  
Ion Ratio Lower Upper  
43 100  
58 0.0 27.2 81.5#



#62  
4-Bromofluorobenzene  
Concen: 57.838 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN083722.D  
Acq: 09 Sep 2024 17:24

Tgt Ion: 95 Resp: 120245  
Ion Ratio Lower Upper  
95 100  
174 70.0 0.0 139.8  
176 67.3 0.0 131.4

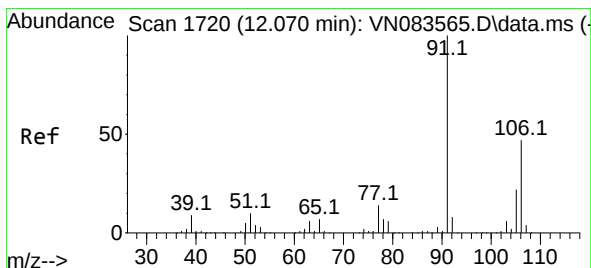
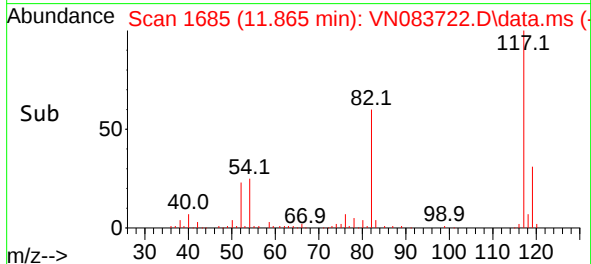
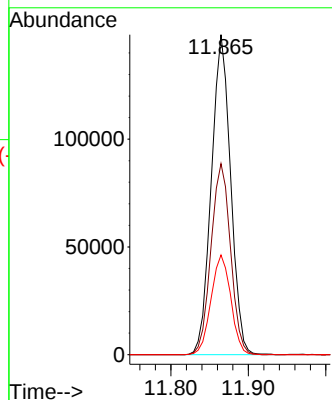
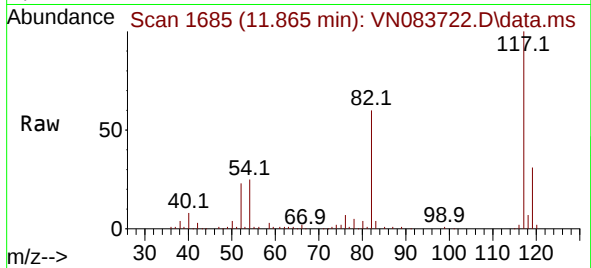




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VN083722.D  
Acq: 09 Sep 2024 17:24

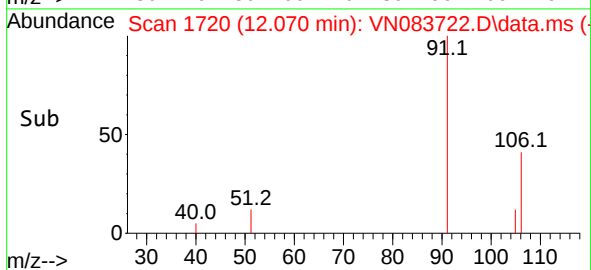
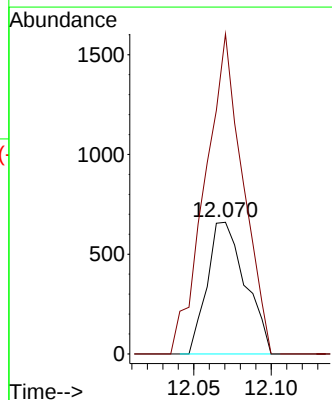
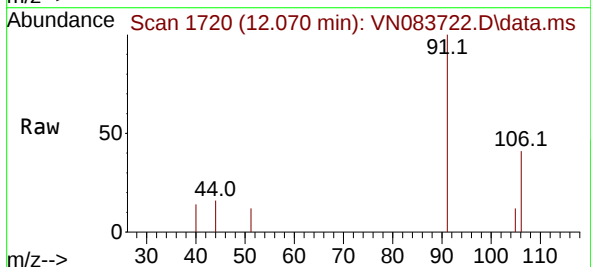
Instrument :  
MSVOA\_N  
ClientSampleId :

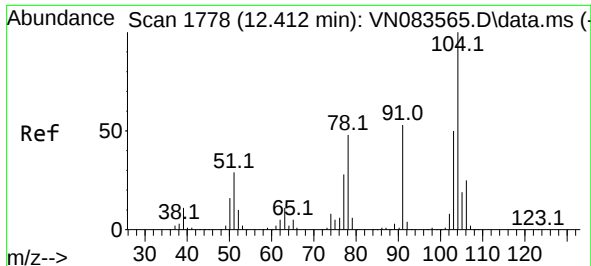
Tgt Ion:117 Resp: 256268  
Ion Ratio Lower Upper  
117 100  
82 59.7 47.4 71.0  
119 31.1 26.3 39.5



#68  
m/p-Xylenes  
Concen: 0.292 ug/l  
RT: 12.070 min Scan# 1720  
Delta R.T. -0.000 min  
Lab File: VN083722.D  
Acq: 09 Sep 2024 17:24

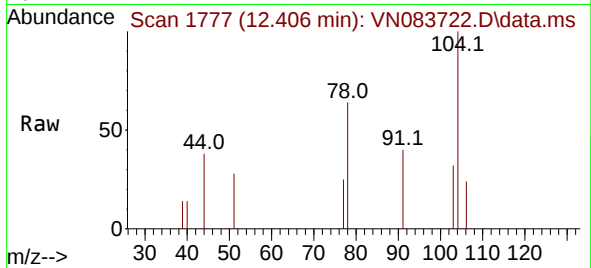
Tgt Ion:106 Resp: 1128  
Ion Ratio Lower Upper  
106 100  
91 241.0 169.2 253.8



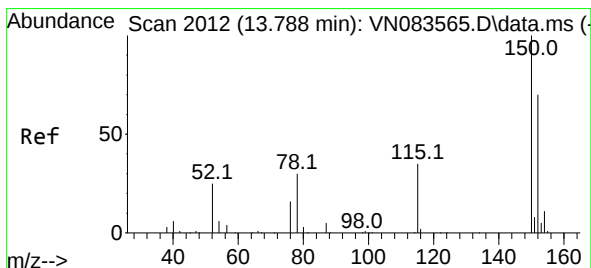
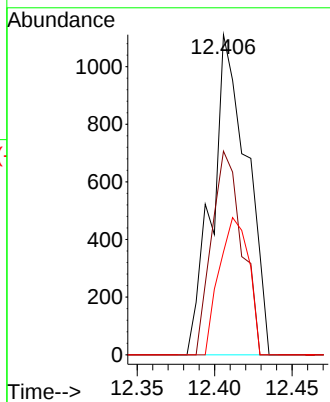
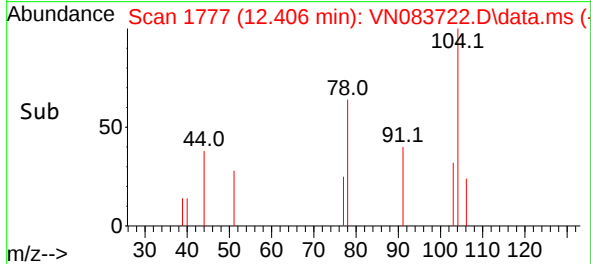


#70  
Styrene  
Concen: 0.276 ug/l  
RT: 12.406 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VN083722.D  
Acq: 09 Sep 2024 17:24

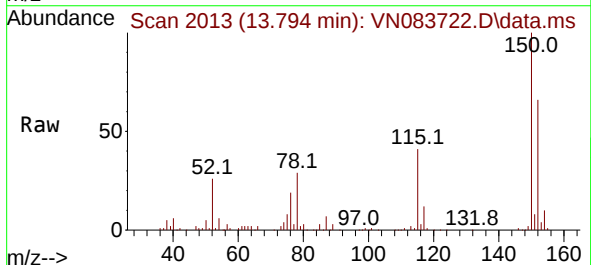
Instrument :  
MSVOA\_N  
ClientSampleId :



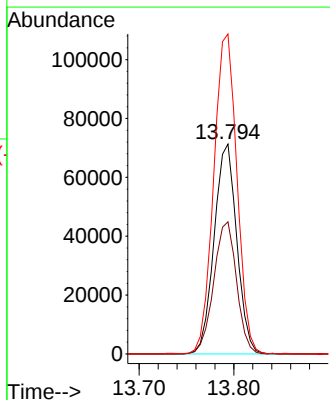
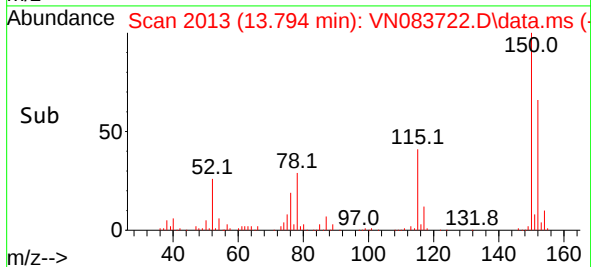
Tgt Ion:104 Resp: 1736  
Ion Ratio Lower Upper  
104 100  
78 55.5 43.3 64.9  
103 36.5 43.4 65.2#

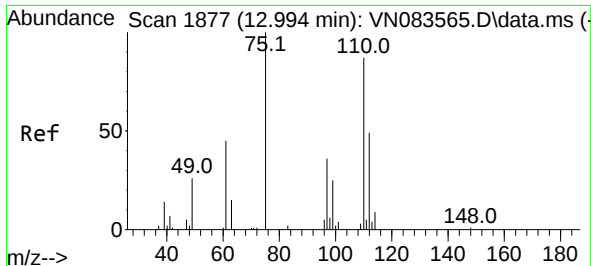


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 2013  
Delta R.T. 0.006 min  
Lab File: VN083722.D  
Acq: 09 Sep 2024 17:24



Tgt Ion:152 Resp: 118704  
Ion Ratio Lower Upper  
152 100  
115 63.6 32.2 96.6  
150 156.3 0.0 348.6

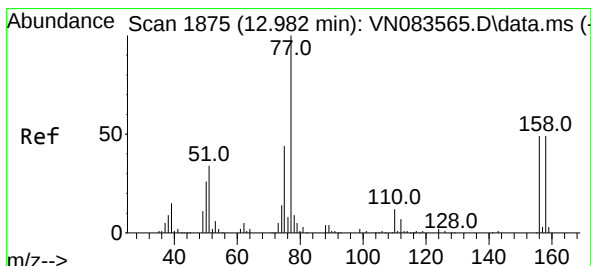
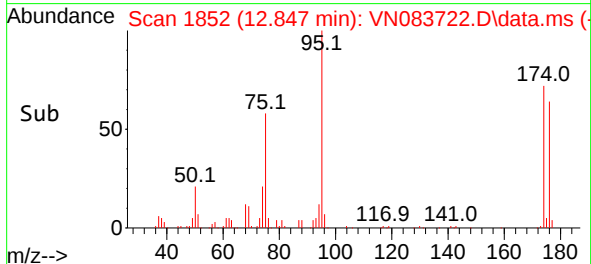
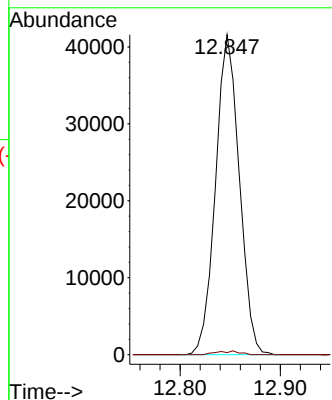
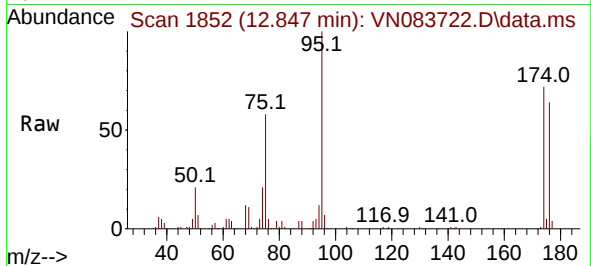




#76  
1,2,3-Trichloropropane  
Concen: 28.563 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.147 min  
Lab File: VN083722.D  
Acq: 09 Sep 2024 17:24

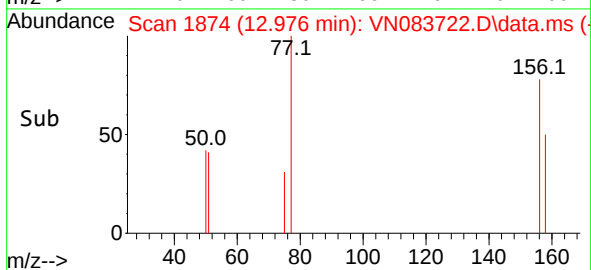
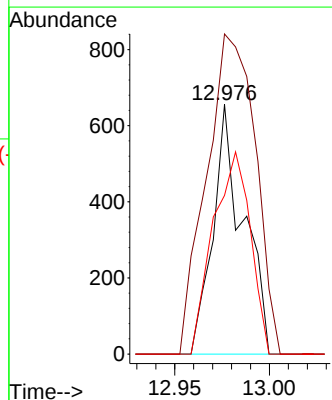
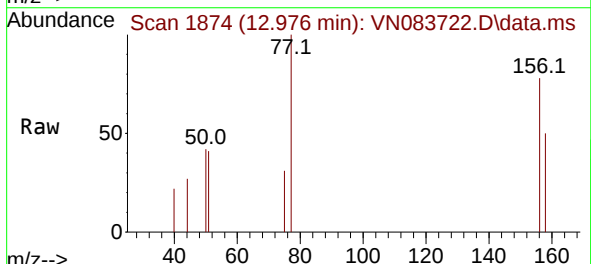
Instrument :  
MSVOA\_N  
ClientSampleId :

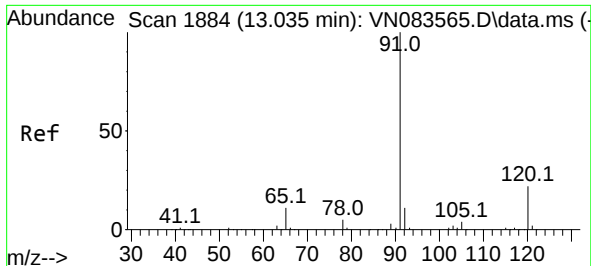
Tgt Ion: 75 Resp: 68455  
Ion Ratio Lower Upper  
75 100  
77 1.1 95.2 285.6#



#77  
Bromobenzene  
Concen: 0.324 ug/l  
RT: 12.976 min Scan# 1874  
Delta R.T. -0.006 min  
Lab File: VN083722.D  
Acq: 09 Sep 2024 17:24

Tgt Ion:156 Resp: 730  
Ion Ratio Lower Upper  
156 100  
77 206.8 114.3 343.1  
158 99.3 48.9 146.7

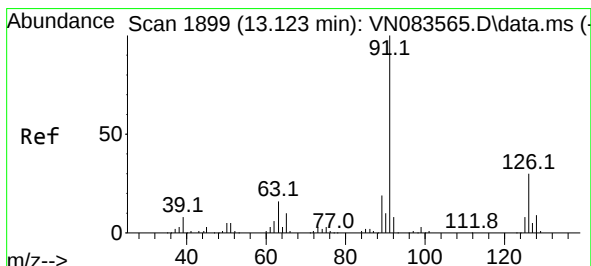
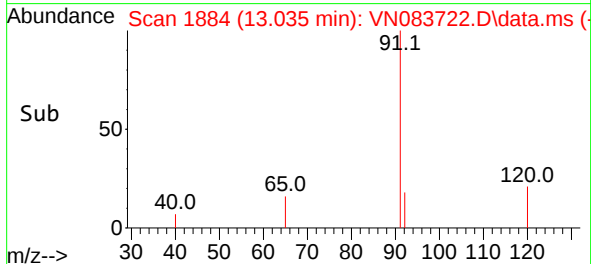
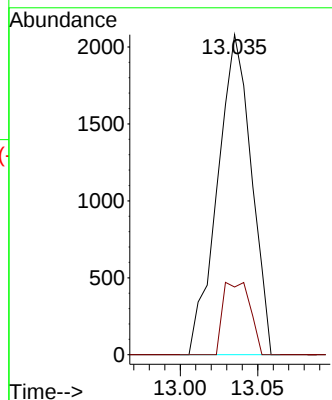
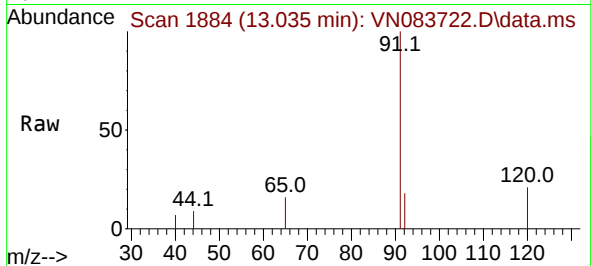




#78  
n-propylbenzene  
Concen: 0.285 ug/l  
RT: 13.035 min Scan# 1884  
Delta R.T. -0.000 min  
Lab File: VN083722.D  
Acq: 09 Sep 2024 17:24

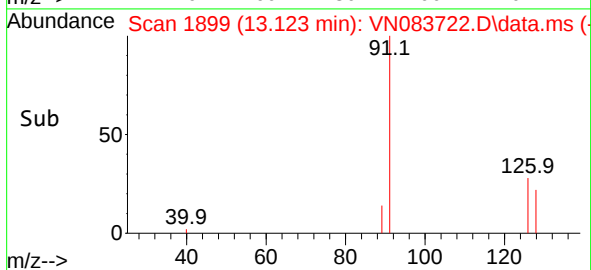
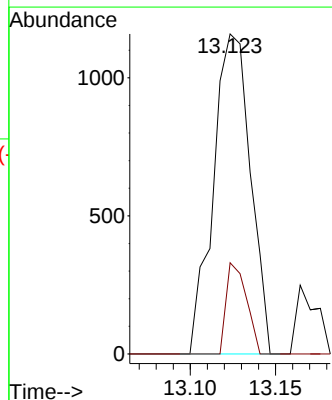
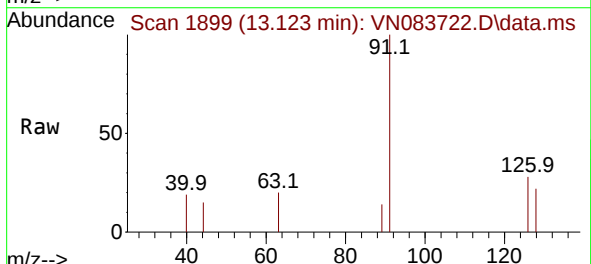
Instrument :  
MSVOA\_N  
ClientSampleId :

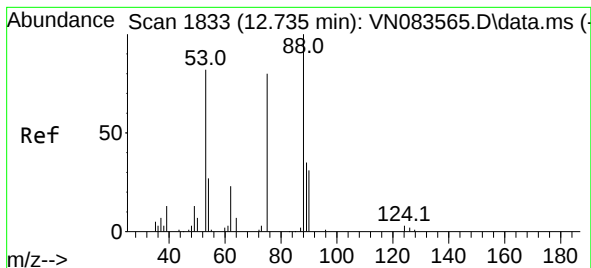
Tgt Ion: 91 Resp: 3163  
Ion Ratio Lower Upper  
91 100  
120 18.2 11.0 33.0



#79  
2-Chlorotoluene  
Concen: 0.245 ug/l  
RT: 13.123 min Scan# 1899  
Delta R.T. -0.000 min  
Lab File: VN083722.D  
Acq: 09 Sep 2024 17:24

Tgt Ion: 91 Resp: 1760  
Ion Ratio Lower Upper  
91 100  
126 15.5 15.4 46.2





#81

trans-1,4-Dichloro-2-butene

Concen: 67.369 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

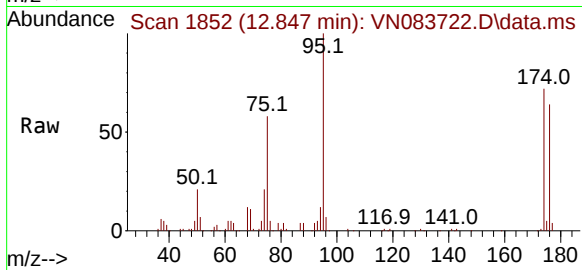
Lab File: VN083722.D

Acq: 09 Sep 2024 17:24

Instrument :

MSVOA\_N

ClientSampleId :



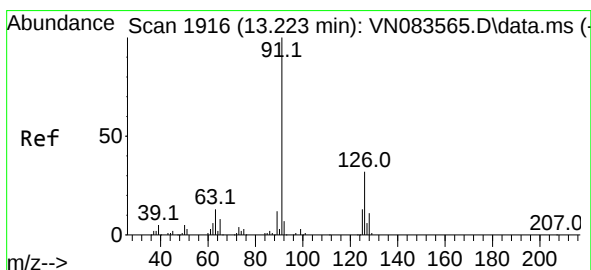
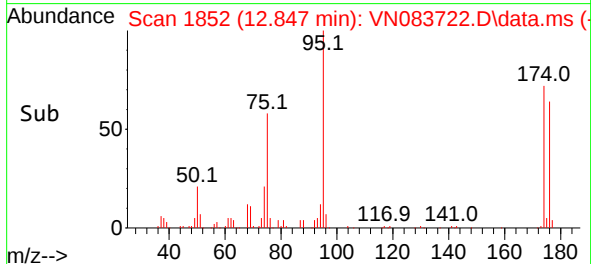
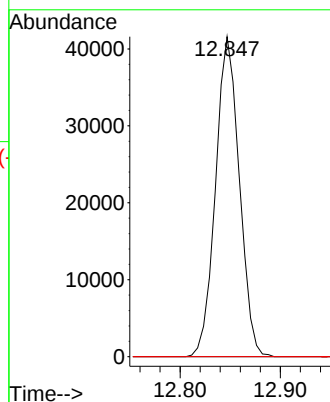
Tgt Ion: 75 Resp: 68455

Ion Ratio Lower Upper

75 100

53 0.0 81.2 121.8#

89 0.0 35.7 53.5#



#82

4-Chlorotoluene

Concen: 0.432 ug/l

RT: 13.223 min Scan# 1916

Delta R.T. -0.000 min

Lab File: VN083722.D

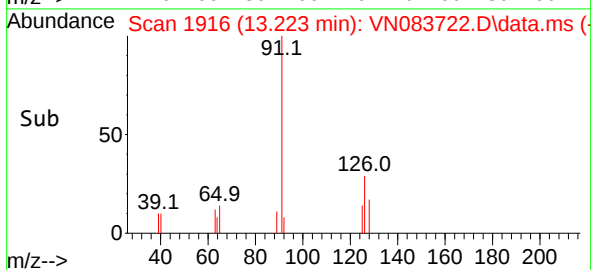
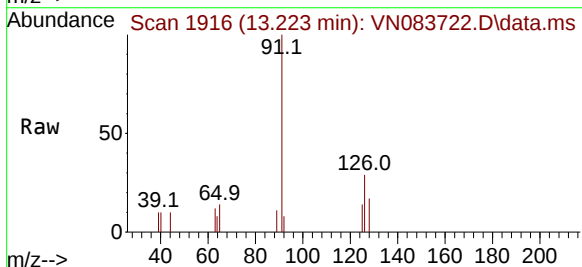
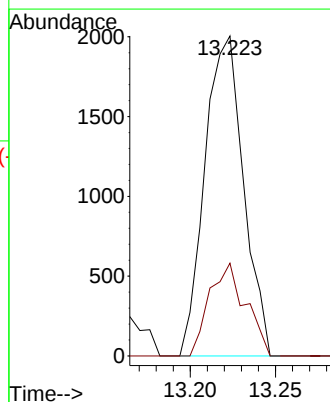
Acq: 09 Sep 2024 17:24

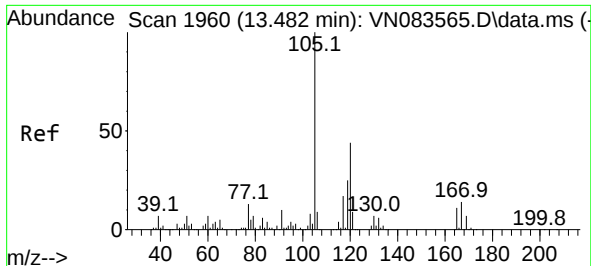
Tgt Ion: 91 Resp: 3162

Ion Ratio Lower Upper

91 100

126 27.2 15.4 46.2

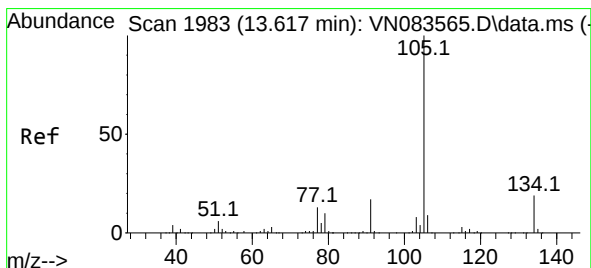
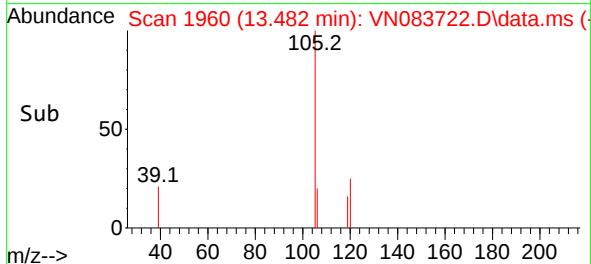
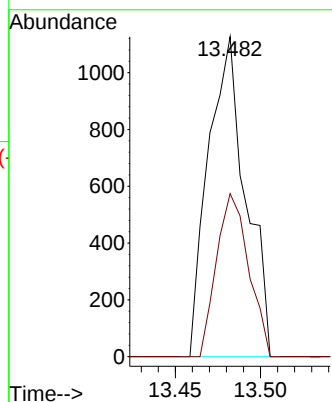
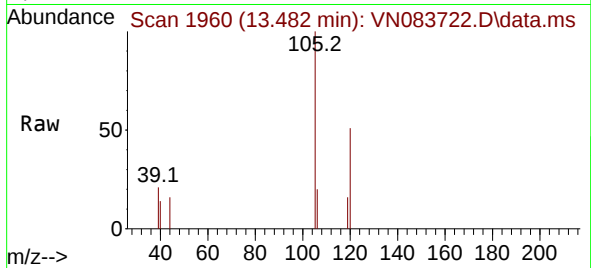




#84  
1,2,4-Trimethylbenzene  
Concen: 0.211 ug/l  
RT: 13.482 min Scan# 1960  
Delta R.T. -0.000 min  
Lab File: VN083722.D  
Acq: 09 Sep 2024 17:24

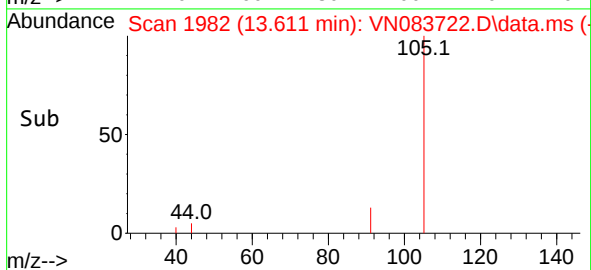
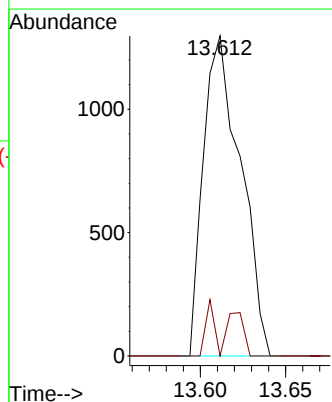
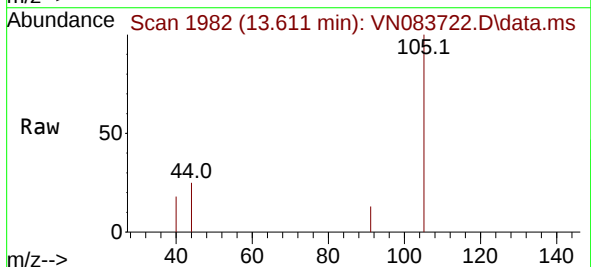
Instrument :  
MSVOA\_N  
ClientSampleId :

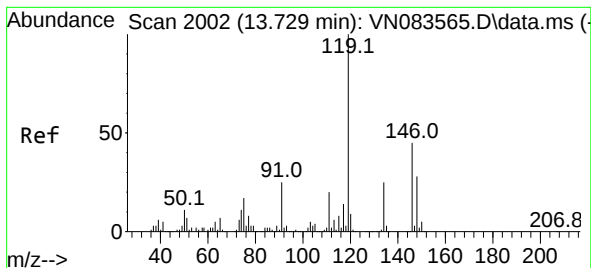
Tgt Ion:105 Resp: 1718  
Ion Ratio Lower Upper  
105 100  
120 43.7 21.8 65.4



#85  
sec-Butylbenzene  
Concen: 0.206 ug/l  
RT: 13.611 min Scan# 1982  
Delta R.T. -0.006 min  
Lab File: VN083722.D  
Acq: 09 Sep 2024 17:24

Tgt Ion:105 Resp: 1970  
Ion Ratio Lower Upper  
105 100  
134 4.1 9.7 29.1#





#86

p-Isopropyltoluene

Concen: 0.208 ug/l

RT: 13.723 min Scan# 2001

Delta R.T. -0.006 min

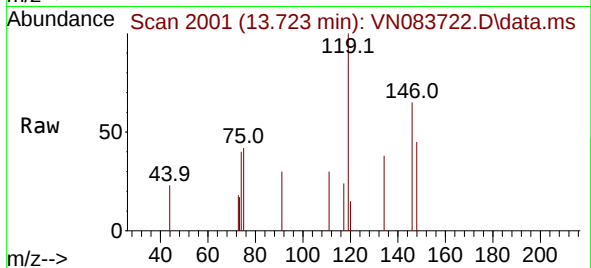
Lab File: VN083722.D

Acq: 09 Sep 2024 17:24

Instrument :

MSVOA\_N

ClientSampleId :



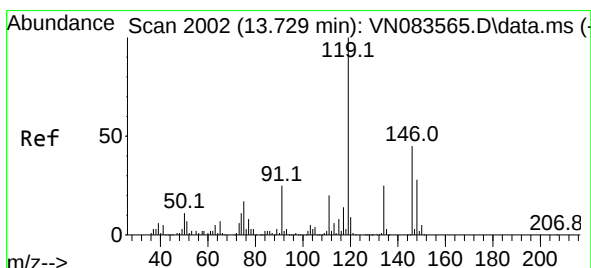
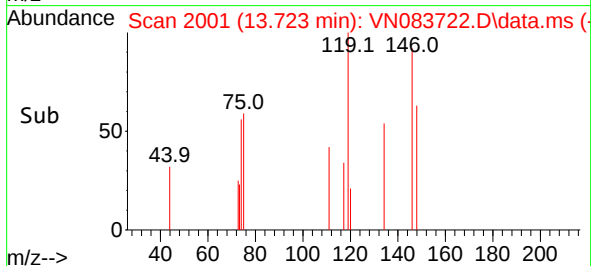
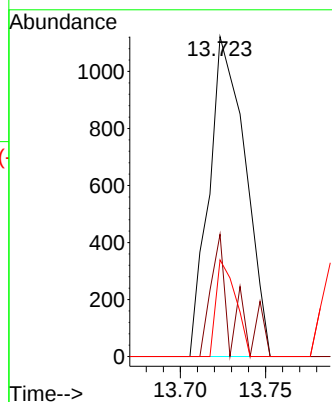
Tgt Ion:119 Resp: 1658

Ion Ratio Lower Upper

119 100

134 23.5 12.8 38.3

91 16.4 12.9 38.7



#87

1,3-Dichlorobenzene

Concen: 0.456 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. 0.006 min

Lab File: VN083722.D

Acq: 09 Sep 2024 17:24

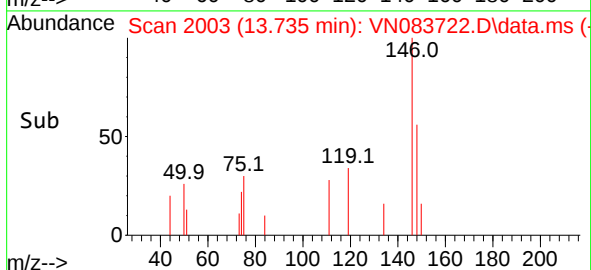
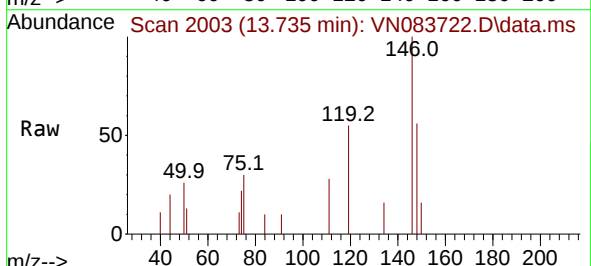
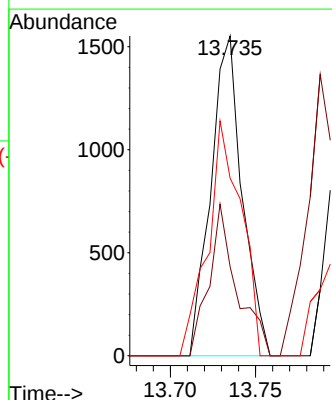
Tgt Ion:146 Resp: 1996

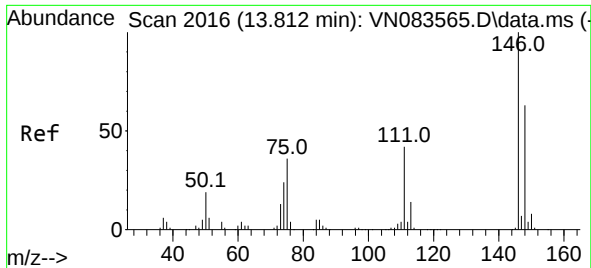
Ion Ratio Lower Upper

146 100

111 42.1 21.7 65.1

148 78.1 31.7 95.1

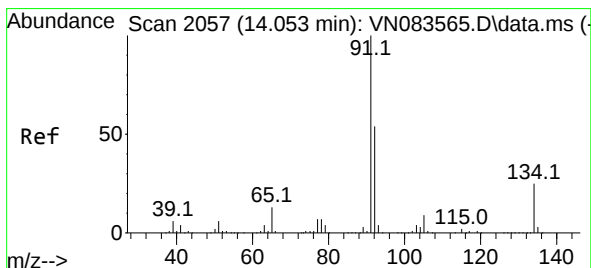
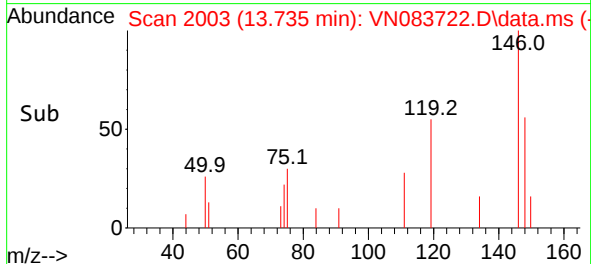
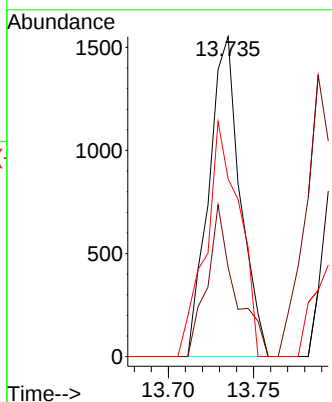
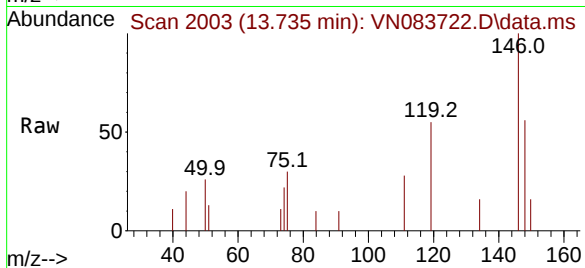




#88  
1,4-Dichlorobenzene  
Concen: 0.444 ug/l  
RT: 13.735 min Scan# 2016  
Delta R.T. -0.077 min  
Lab File: VN083722.D  
Acq: 09 Sep 2024 17:24

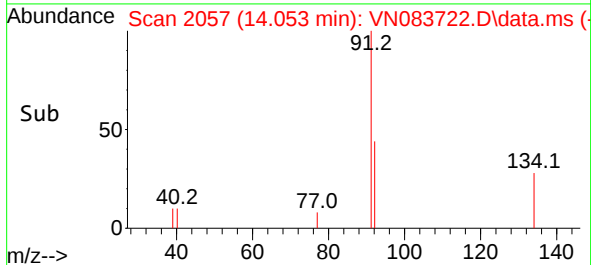
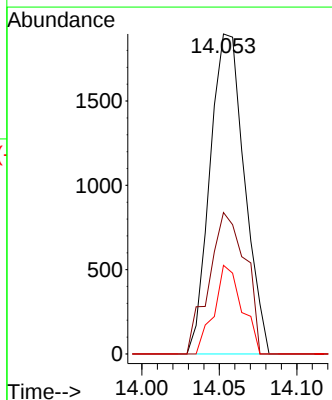
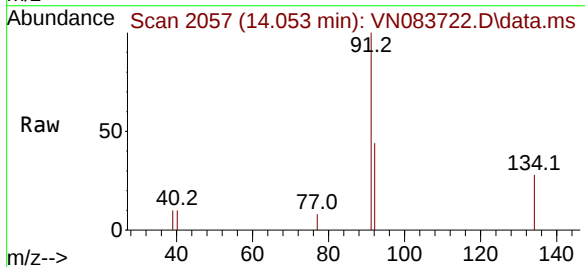
Instrument :  
MSVOA\_N  
ClientSampleId :

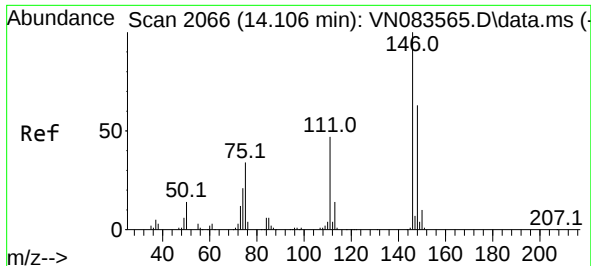
Tgt Ion:146 Resp: 1996  
Ion Ratio Lower Upper  
146 100  
111 42.1 21.3 64.0  
148 78.1 32.0 96.2



#89  
n-Butylbenzene  
Concen: 0.417 ug/l  
RT: 14.053 min Scan# 2057  
Delta R.T. -0.000 min  
Lab File: VN083722.D  
Acq: 09 Sep 2024 17:24

Tgt Ion: 91 Resp: 2933  
Ion Ratio Lower Upper  
91 100  
92 46.8 26.7 80.1  
134 22.5 12.2 36.4





#91

1,2-Dichlorobenzene

Concen: 0.425 ug/l

RT: 14.111 min Scan# 2066

Delta R.T. 0.006 min

Lab File: VN083722.D

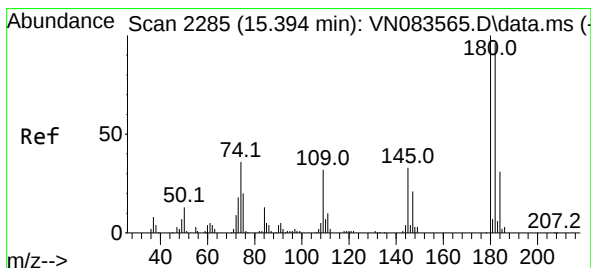
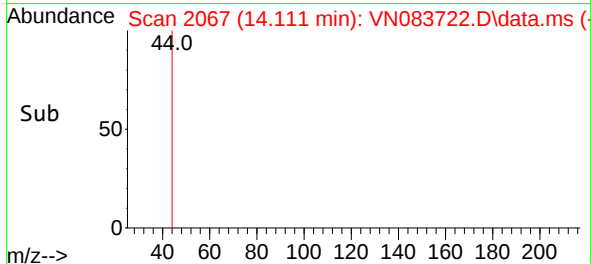
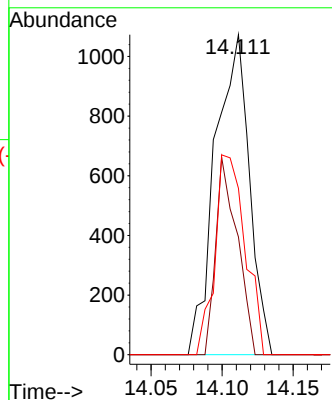
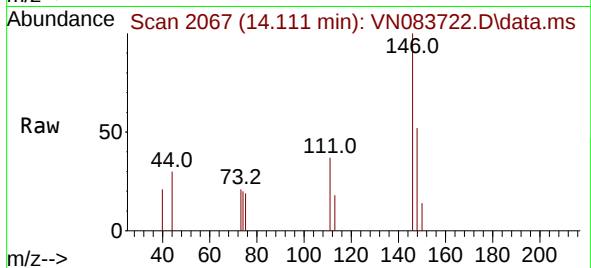
Acq: 09 Sep 2024 17:24

Instrument :

MSVOA\_N

ClientSampleId :

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:146 | Resp: | 1790        |
| Ion         | Ratio | Lower Upper |
| 146         | 100   |             |
| 111         | 39.1  | 22.8 68.3   |
| 148         | 55.1  | 32.1 96.5   |



#93

1,2,4-Trichlorobenzene

Concen: 0.695 ug/l

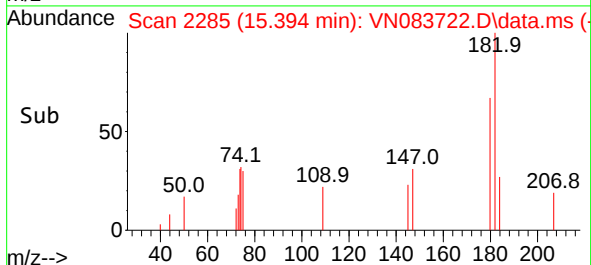
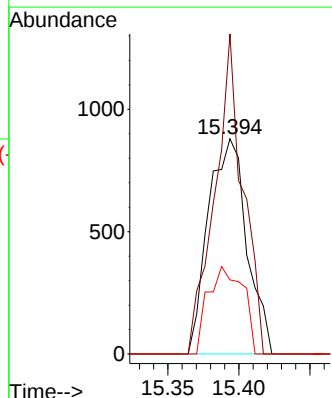
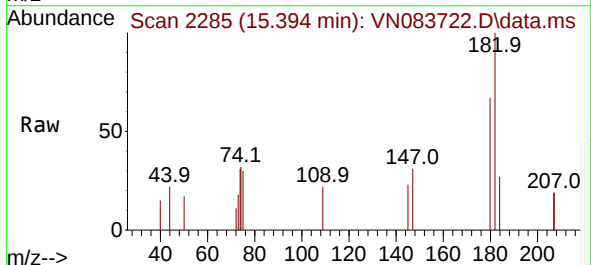
RT: 15.394 min Scan# 2285

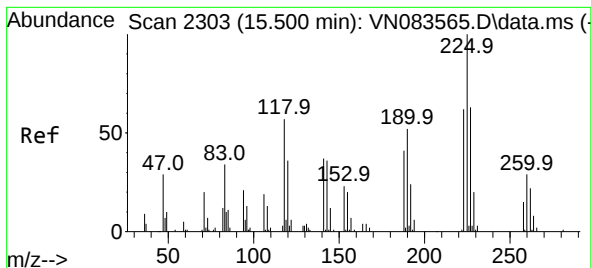
Delta R.T. -0.000 min

Lab File: VN083722.D

Acq: 09 Sep 2024 17:24

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:180 | Resp: | 1660        |
| Ion         | Ratio | Lower Upper |
| 180         | 100   |             |
| 182         | 108.4 | 48.1 144.3  |
| 145         | 36.8  | 16.9 50.7   |





#94

Hexachlorobutadiene

Concen: 0.425 ug/l

RT: 15.511 min Scan# 21

Delta R.T. 0.012 min

Lab File: VN083722.D

Acq: 09 Sep 2024 17:24

Instrument :

MSVOA\_N

ClientSampleId :

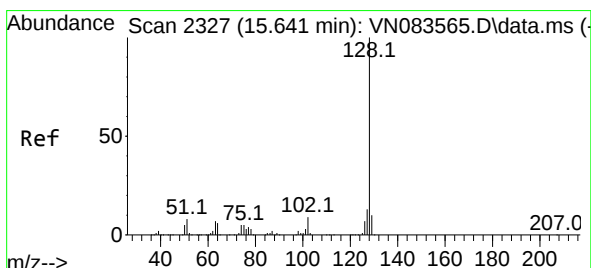
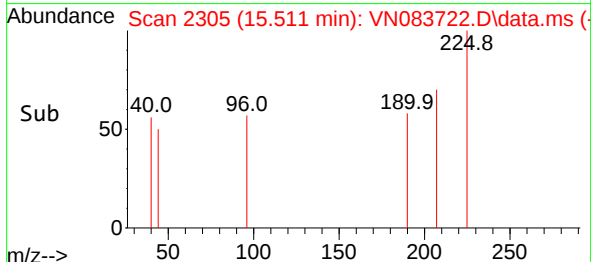
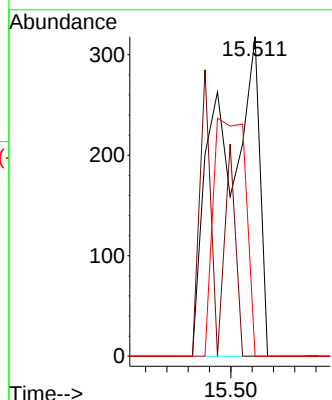
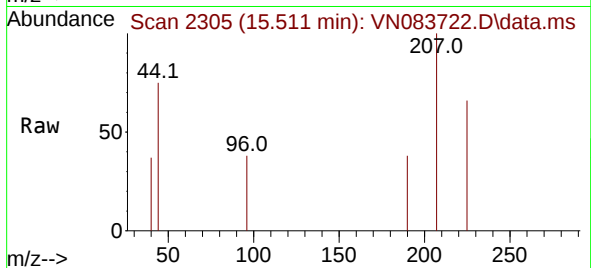
Tgt Ion:225 Resp: 407

Ion Ratio Lower Upper

225 100

223 0.0 31.9 95.5#

227 0.0 32.0 96.2#



#95

Naphthalene

Concen: 0.694 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. -0.000 min

Lab File: VN083722.D

Acq: 09 Sep 2024 17:24

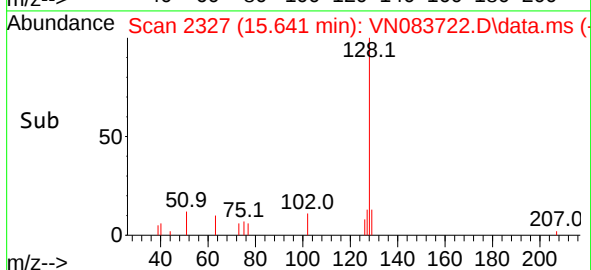
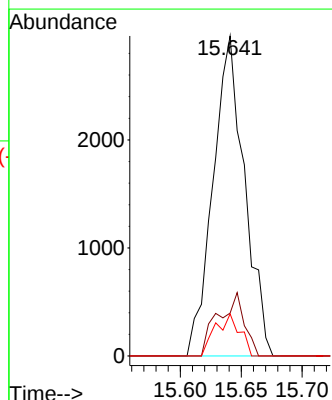
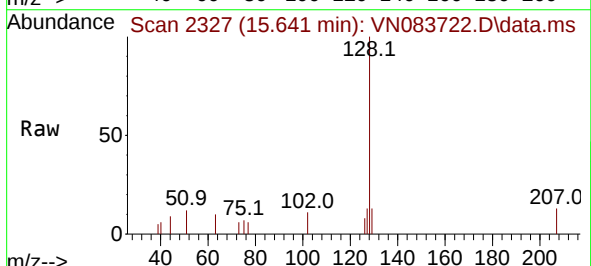
Tgt Ion:128 Resp: 5331

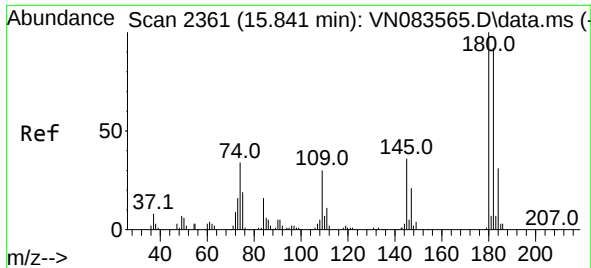
Ion Ratio Lower Upper

128 100

127 16.4 10.2 15.2#

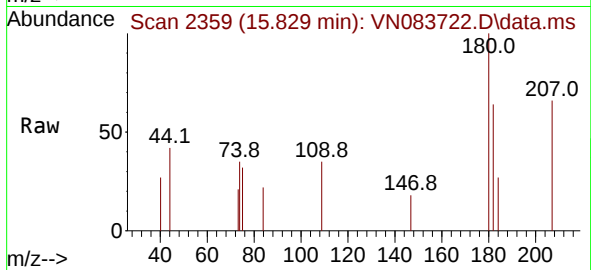
129 10.2 8.7 13.1





#96  
 1,2,3-Trichlorobenzene  
 Concen: 0.703 ug/l  
 RT: 15.829 min Scan# 21  
 Delta R.T. -0.012 min  
 Lab File: VN083722.D  
 Acq: 09 Sep 2024 17:24

Instrument :  
 MSVOA\_N  
 ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 1677  |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 99.9  | 47.1  | 141.4 |
| 145      | 25.5  | 17.8  | 53.5  |

