

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120524\  
 Data File : VN085108.D  
 Acq On : 05 Dec 2024 11:49  
 Operator : JC\MD  
 Sample : VN1205WBL01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Dec 06 00:44:37 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112224W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Nov 23 02:54:10 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.224  | 168  | 153003   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.100  | 114  | 269925   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.865 | 117  | 233275   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.788 | 152  | 93689    | 50.000 | ug/l  | 0.00     |

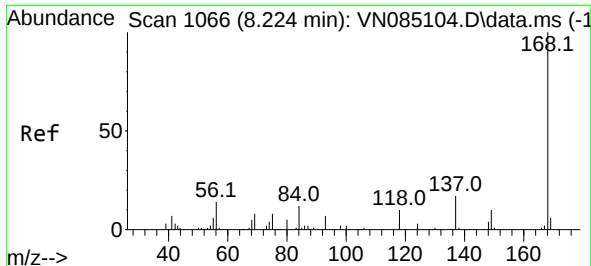
|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.577  | 65    | 112666   | 51.695   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | = 103.400% |      |
| 35) Dibromofluoromethane    | 8.165  | 113   | 91991    | 50.537   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 101.080% |      |
| 50) Toluene-d8              | 10.565 | 98    | 315063   | 48.297   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | = 96.600%  |      |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 107392   | 44.021   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | = 88.040%  |      |

|                               |        |     |        |           |        |    |
|-------------------------------|--------|-----|--------|-----------|--------|----|
| Target Compounds              |        |     | Qvalue |           |        |    |
| 2) Dichlorodifluoromethane    | 2.124  | 85  | 395    | 0.228     | ug/l # | 43 |
| 3) Chloromethane              | 2.359  | 50  | 986    | 0.491     | ug/l   | 88 |
| 5) Bromomethane               | 2.977  | 94  | 842    | 0.833     | ug/l   | 96 |
| 10) Methyl Iodide             | 4.583  | 142 | 1445   | 0.627     | ug/l # | 82 |
| 16) Acetone                   | 4.465  | 43  | 419    | 0.660     | ug/l # | 43 |
| 17) Carbon Disulfide          | 4.706  | 76  | 2111   | 0.440     | ug/l # | 77 |
| 18) Methyl Acetate            | 5.024  | 43  | 103    | Below Cal | #      | 50 |
| 25) 2-Butanone                | 7.494  | 43  | 452    | 0.436     | ug/l # | 48 |
| 31) Cyclohexane               | 8.230  | 56  | 3625   | 1.249     | ug/l # | 1  |
| 32) 1,1,1-Trichloroethane     | 8.177  | 97  | 680    | 0.215     | ug/l # | 24 |
| 36) 1,1-Dichloropropene       | 8.224  | 75  | 12898  | 5.231     | ug/l # | 51 |
| 37) Ethyl Acetate             | 7.494  | 43  | 452    | 0.202     | ug/l # | 1  |
| 38) Carbon Tetrachloride      | 8.230  | 117 | 17225  | 6.052     | ug/l # | 16 |
| 40) Benzene                   | 8.606  | 78  | 1703   | 0.218     | ug/l   | 97 |
| 42) 1,2-Dichloroethane        | 8.677  | 62  | 770    | 0.289     | ug/l # | 75 |
| 43) Isopropyl Acetate         | 8.682  | 43  | 2079   | 0.447     | ug/l # | 55 |
| 44) Trichloroethene           | 9.353  | 130 | 409    | 0.226     | ug/l   | 59 |
| 51) 4-Methyl-2-Pentanone      | 10.441 | 43  | 914    | 0.430     | ug/l # | 35 |
| 52) Toluene                   | 10.635 | 92  | 931    | 0.202     | ug/l   | 92 |
| 59) 2-Hexanone                | 11.188 | 43  | 680    | 0.428     | ug/l # | 35 |
| 61) 1,2-Dibromoethane         | 11.471 | 107 | 365    | 0.205     | ug/l   | 90 |
| 64) Tetrachloroethene         | 11.112 | 164 | 355    | 0.226     | ug/l # | 34 |
| 71) Bromoform                 | 12.576 | 173 | 397    | 0.287     | ug/l # | 29 |
| 75) 1,1,2,2-Tetrachloroethane | 12.929 | 83  | 599    | 0.265     | ug/l # | 96 |
| 76) 1,2,3-Trichloropropane    | 12.847 | 75  | 56901  | 33.390    | ug/l # | 1  |
| 81) trans-1,4-Dichloro-2-b... | 12.847 | 75  | 56901  | 73.711    | ug/l # | 10 |
| 87) 1,3-Dichlorobenzene       | 13.729 | 146 | 880    | 0.251     | ug/l   | 89 |
| 88) 1,4-Dichlorobenzene       | 13.729 | 146 | 880    | 0.246     | ug/l   | 88 |
| 93) 1,2,4-Trichlorobenzene    | 15.388 | 180 | 713    | 0.390     | ug/l   | 73 |
| 94) Hexachlorobutadiene       | 15.488 | 225 | 537    | 0.637     | ug/l   | 75 |
| 95) Naphthalene               | 15.647 | 128 | 3157   | 0.607     | ug/l # | 86 |
| 96) 1,2,3-Trichlorobenzene    | 15.841 | 180 | 931    | 0.534     | ug/l # | 80 |

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

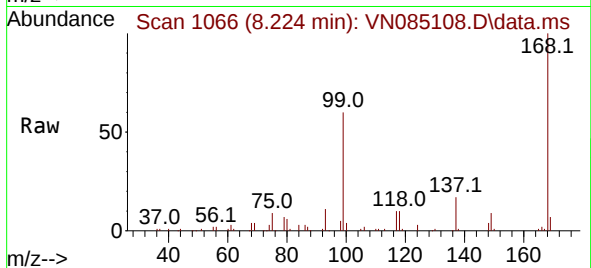
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112224W.M  
Quant Title : SW846 8260  
QLast Update : Sat Nov 23 02:54:10 2024  
Response via : Initial Calibration



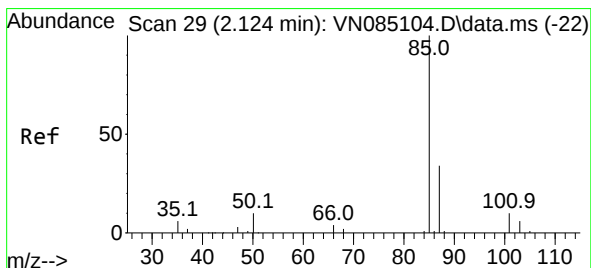
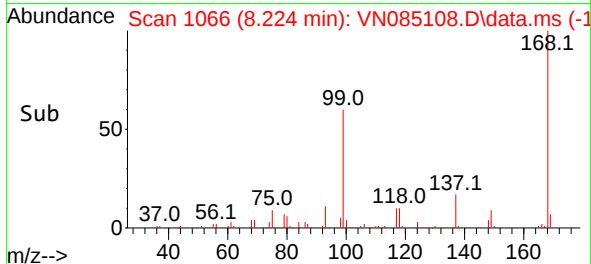
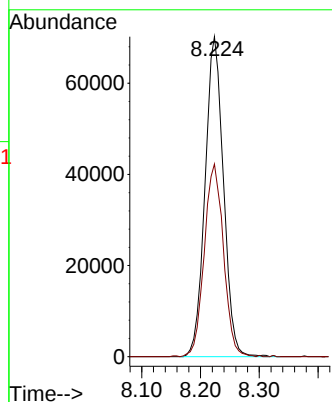


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. 0.006 min  
Lab File: VN085108.D  
Acq: 05 Dec 2024 11:49

Instrument :  
MSVOA\_N  
ClientSampleId :

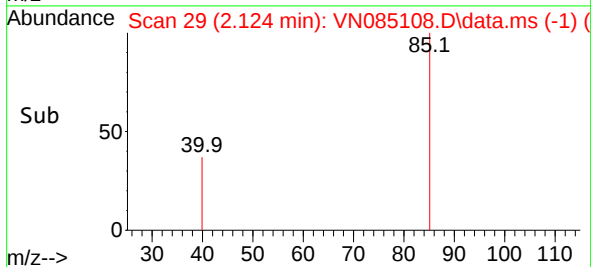
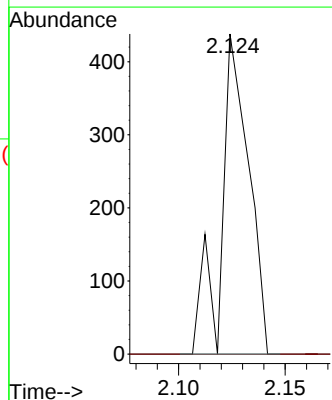
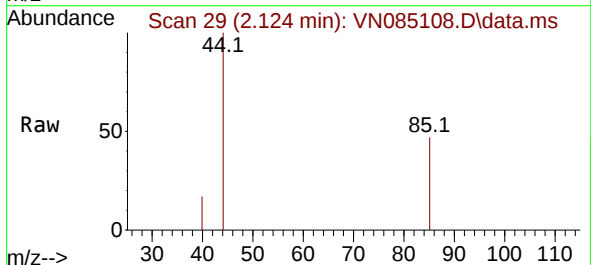


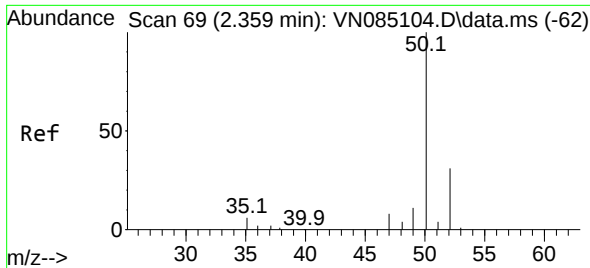
Tgt Ion:168 Resp: 153003  
Ion Ratio Lower Upper  
168 100  
99 60.2 51.2 76.8



#2  
Dichlorodifluoromethane  
Concen: 0.228 ug/l  
RT: 2.124 min Scan# 29  
Delta R.T. 0.006 min  
Lab File: VN085108.D  
Acq: 05 Dec 2024 11:49

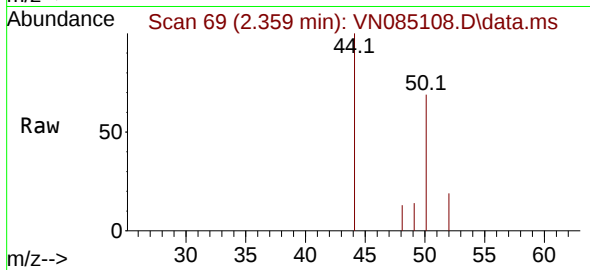
Tgt Ion: 85 Resp: 395  
Ion Ratio Lower Upper  
85 100  
87 0.0 15.7 47.1#



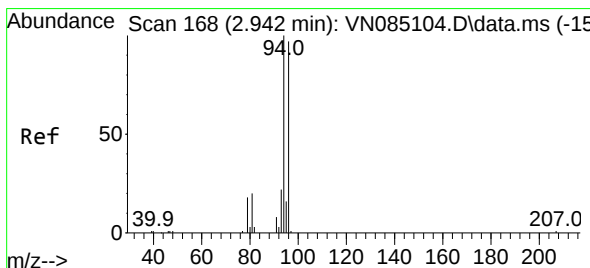
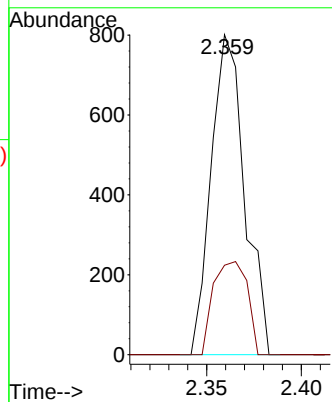
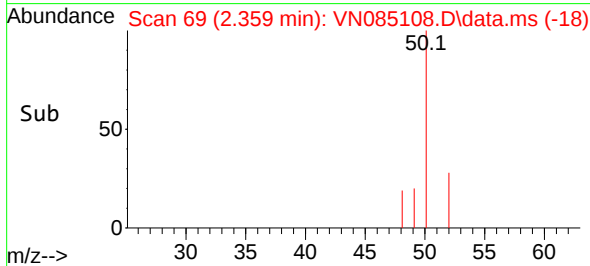


#3  
Chloromethane  
Concen: 0.491 ug/l  
RT: 2.359 min Scan# 69  
Delta R.T. -0.000 min  
Lab File: VN085108.D  
Acq: 05 Dec 2024 11:49

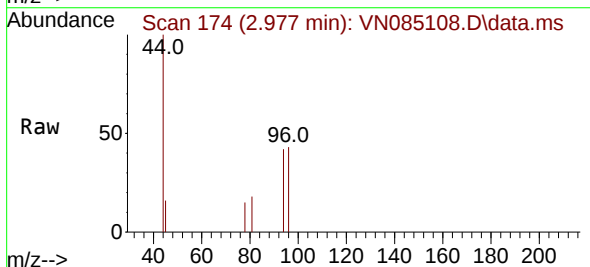
Instrument :  
MSVOA\_N  
ClientSampleId :



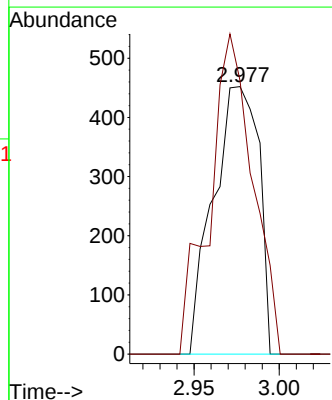
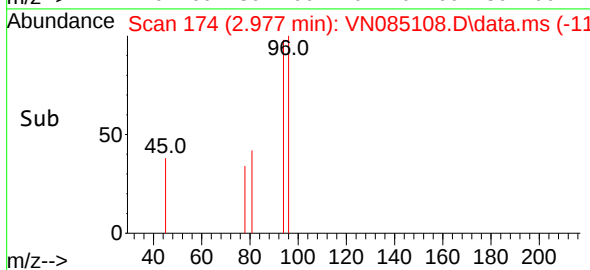
Tgt Ion: 50 Resp: 986  
Ion Ratio Lower Upper  
50 100  
52 28.0 27.8 41.8

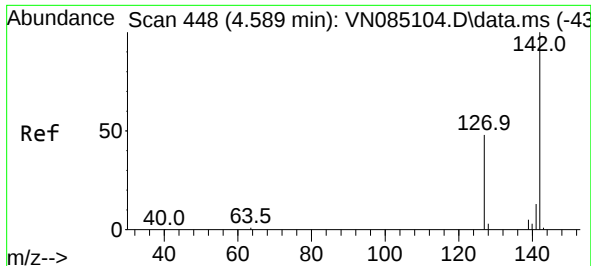


#5  
Bromomethane  
Concen: 0.833 ug/l  
RT: 2.977 min Scan# 174  
Delta R.T. 0.076 min  
Lab File: VN085108.D  
Acq: 05 Dec 2024 11:49



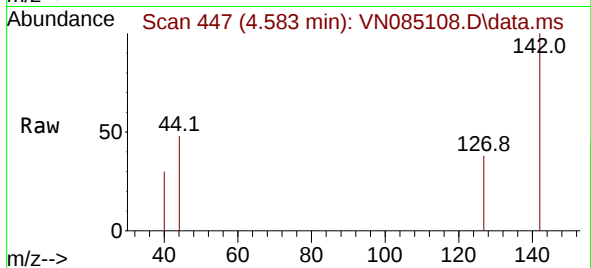
Tgt Ion: 94 Resp: 842  
Ion Ratio Lower Upper  
94 100  
96 102.2 78.7 118.1



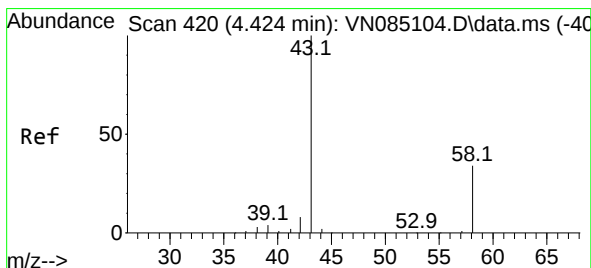
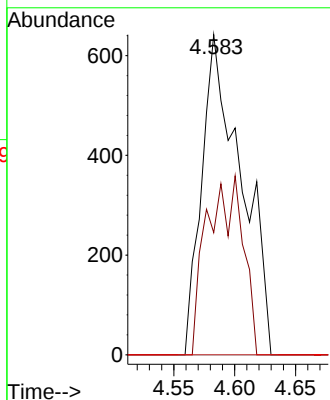
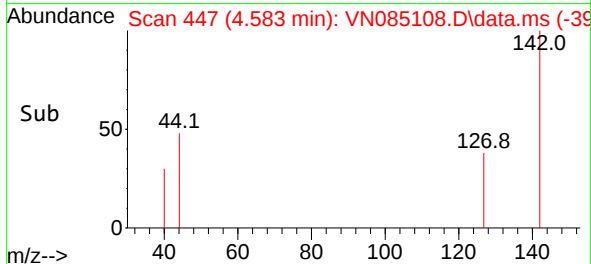


#10  
Methyl Iodide  
Concen: 0.627 ug/l  
RT: 4.583 min Scan# 448  
Delta R.T. 0.012 min  
Lab File: VN085108.D  
Acq: 05 Dec 2024 11:49

Instrument :  
MSVOA\_N  
ClientSampleId :

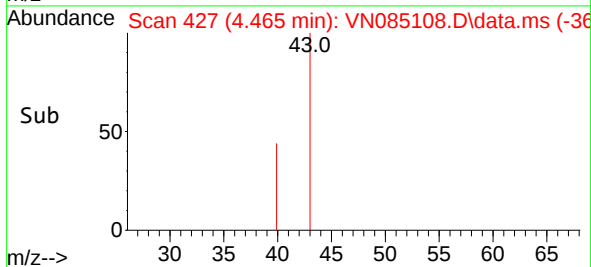
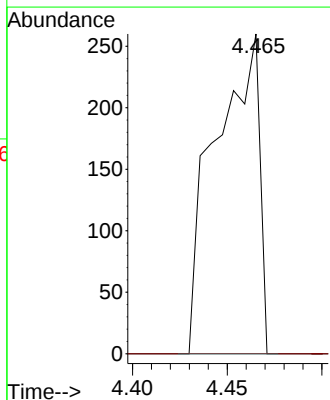
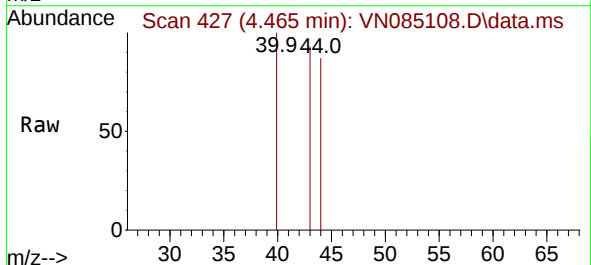


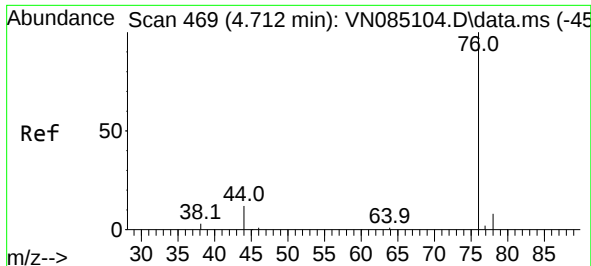
Tgt Ion:142 Resp: 1445  
Ion Ratio Lower Upper  
142 100  
127 38.2 36.6 54.8  
141 0.0 12.2 18.4#



#16  
Acetone  
Concen: 0.660 ug/l  
RT: 4.465 min Scan# 427  
Delta R.T. 0.041 min  
Lab File: VN085108.D  
Acq: 05 Dec 2024 11:49

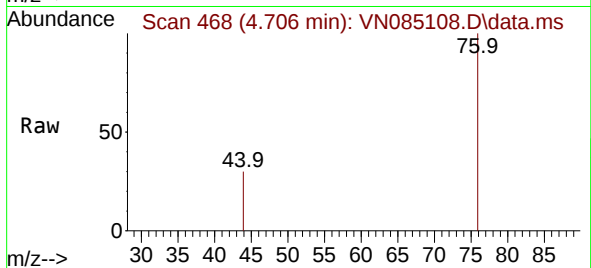
Tgt Ion: 43 Resp: 419  
Ion Ratio Lower Upper  
43 100  
58 0.0 25.4 38.2#



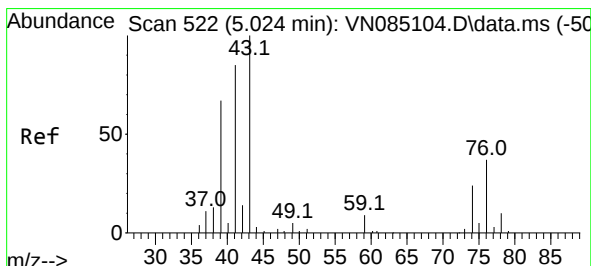
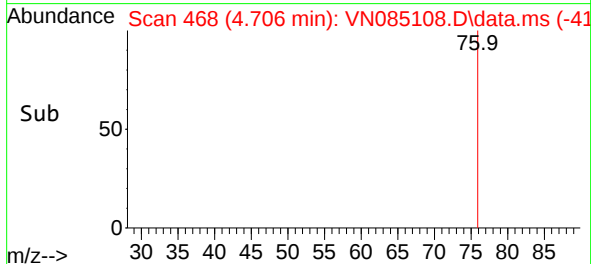
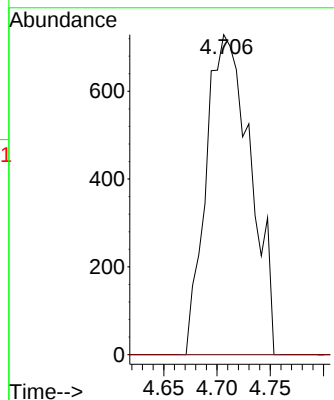


#17  
Carbon Disulfide  
Concen: 0.440 ug/l  
RT: 4.706 min Scan# 469  
Delta R.T. 0.012 min  
Lab File: VN085108.D  
Acq: 05 Dec 2024 11:49

Instrument :  
MSVOA\_N  
ClientSampleId :

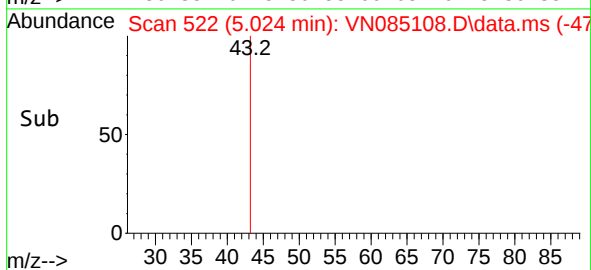
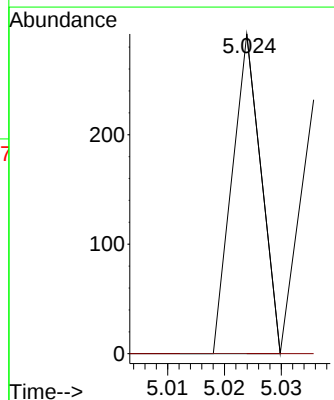
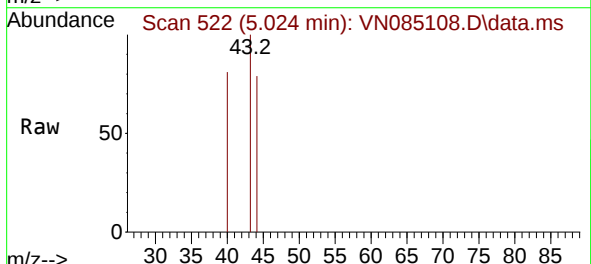


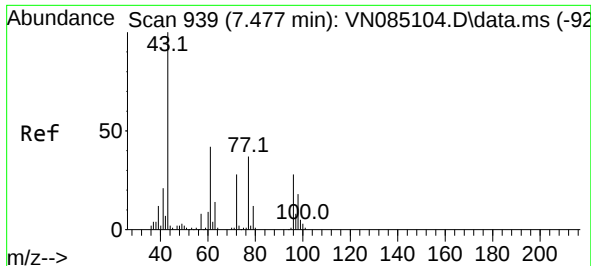
Tgt Ion: 76 Resp: 2111  
Ion Ratio Lower Upper  
76 100  
78 0.0 6.5 9.7#



#18  
Methyl Acetate  
Concen: Below Cal  
RT: 5.024 min Scan# 522  
Delta R.T. 0.006 min  
Lab File: VN085108.D  
Acq: 05 Dec 2024 11:49

Tgt Ion: 43 Resp: 103  
Ion Ratio Lower Upper  
43 100  
74 0.0 20.1 30.1#

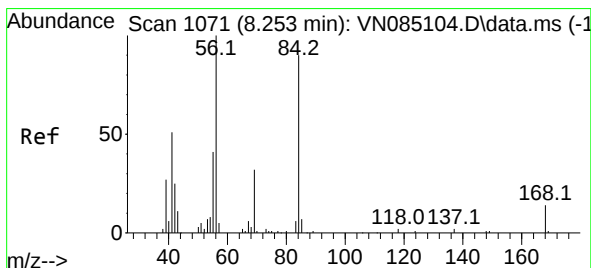
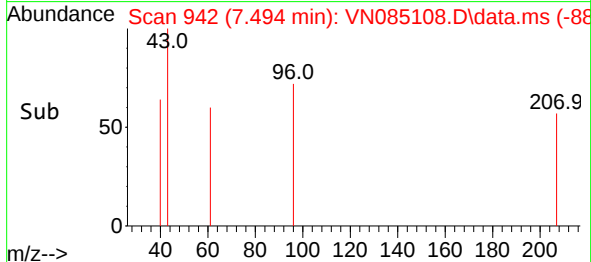
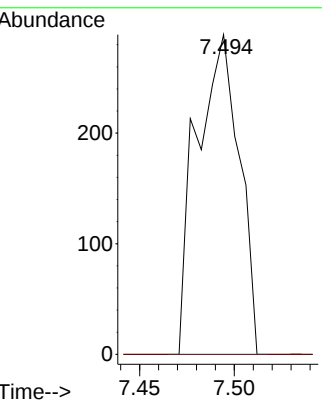
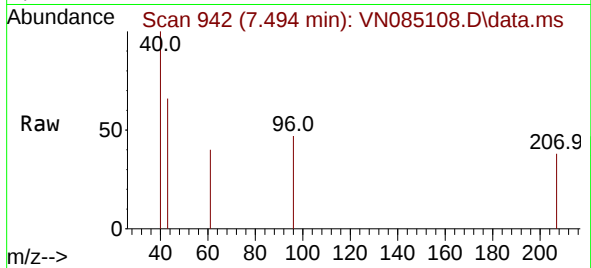




#25  
2-Butanone  
Concen: 0.436 ug/l  
RT: 7.494 min Scan# 94  
Delta R.T. 0.012 min  
Lab File: VN085108.D  
Acq: 05 Dec 2024 11:49

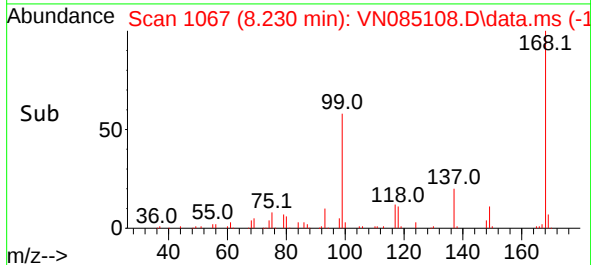
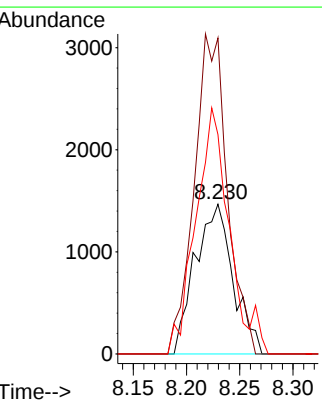
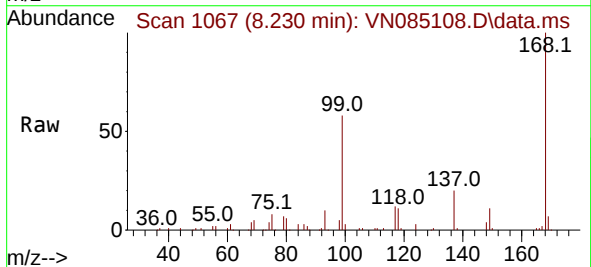
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MSVOA\_N  
ClientSampleId :

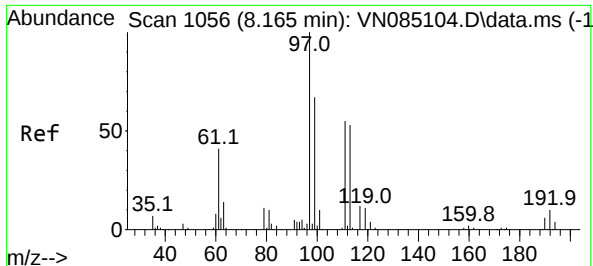
Tgt Ion: 43 Resp: 452  
Ion Ratio Lower Upper  
43 100  
72 0.0 21.4 32.0#



#31  
Cyclohexane  
Concen: 1.249 ug/l  
RT: 8.230 min Scan# 1067  
Delta R.T. -0.024 min  
Lab File: VN085108.D  
Acq: 05 Dec 2024 11:49

Tgt Ion: 56 Resp: 3625  
Ion Ratio Lower Upper  
56 100  
69 211.1 24.6 36.8#  
84 146.5 71.4 107.2#





#32

1,1,1-Trichloroethane

Concen: 0.215 ug/l

RT: 8.177 min Scan# 1105

Delta R.T. 0.018 min

Lab File: VN085108.D

Acq: 05 Dec 2024 11:49

Instrument :

MSVOA\_N

ClientSampleId :

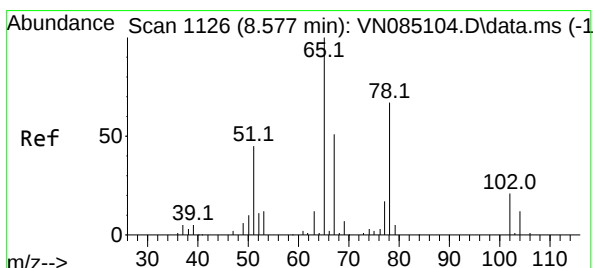
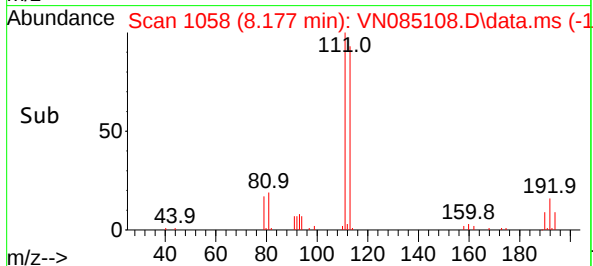
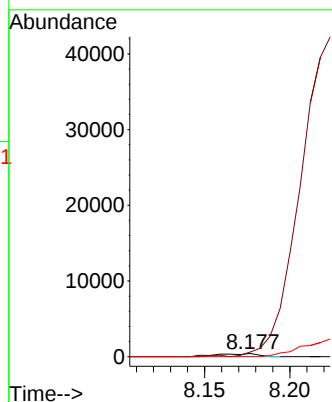
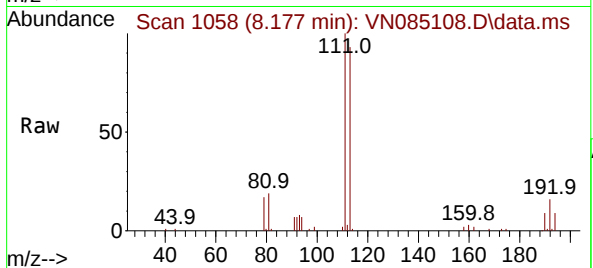
Tgt Ion: 97 Resp: 680

Ion Ratio Lower Upper

97 100

99 0.0 51.0 76.4#

61 0.0 36.2 54.2#



#33

1,2-Dichloroethane-d4

Concen: 51.695 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN085108.D

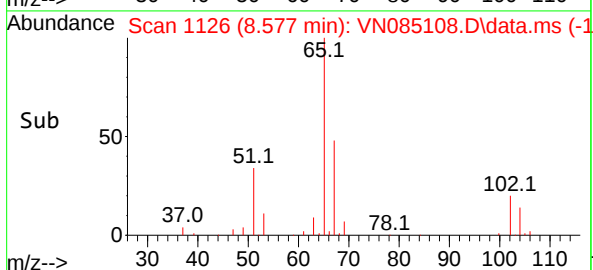
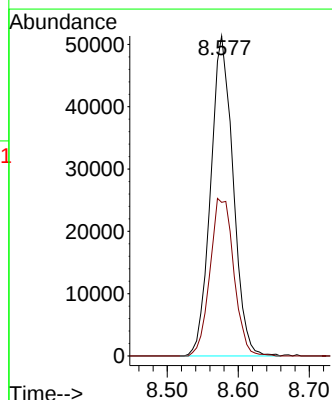
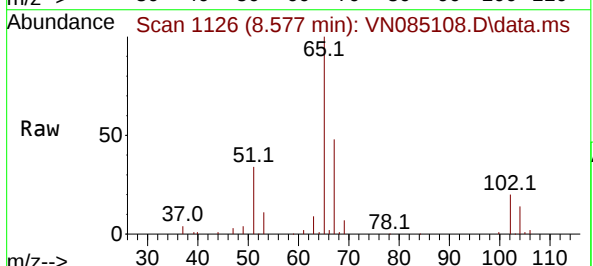
Acq: 05 Dec 2024 11:49

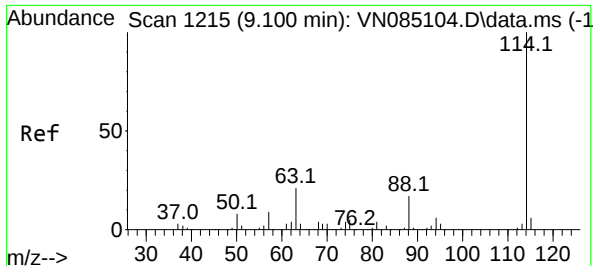
Tgt Ion: 65 Resp: 112666

Ion Ratio Lower Upper

65 100

67 52.2 0.0 105.0

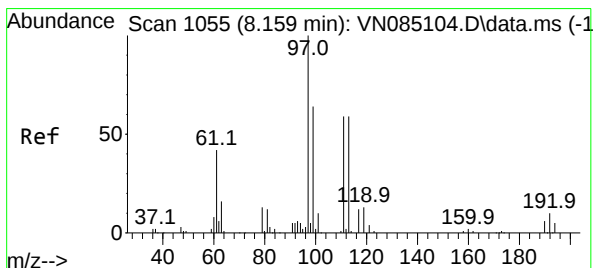
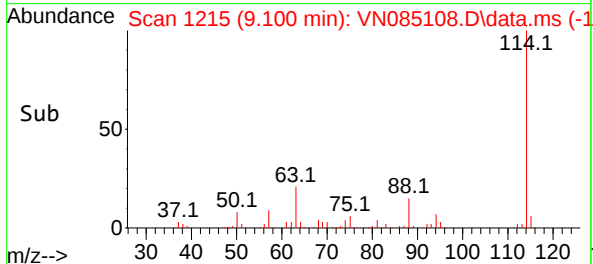
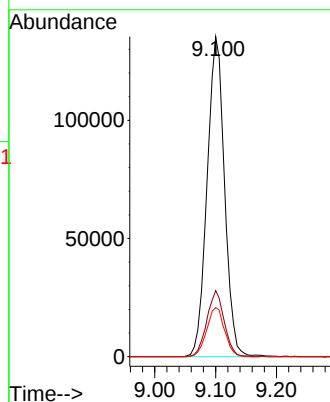
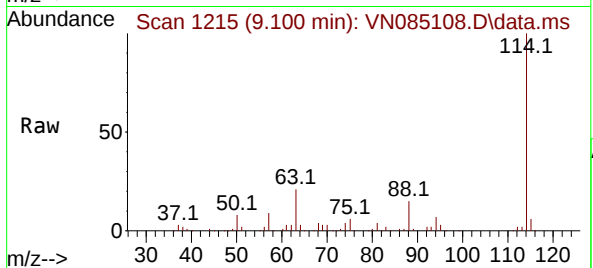




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.100 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN085108.D  
Acq: 05 Dec 2024 11:49

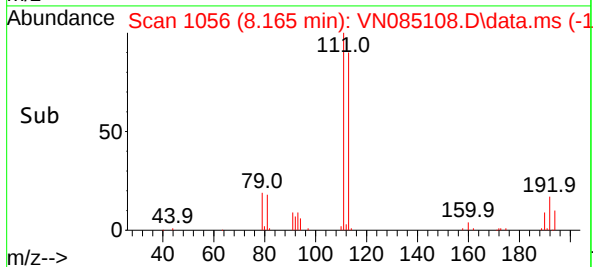
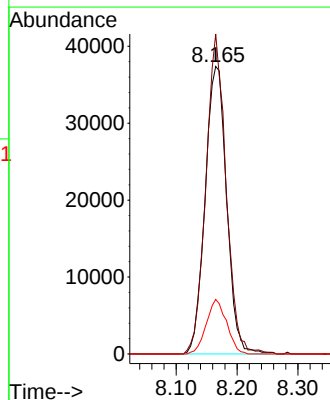
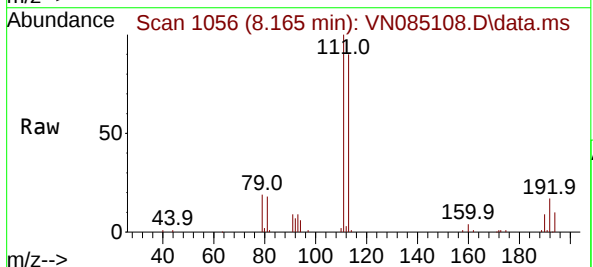
Instrument :  
MSVOA\_N  
ClientSampleId :

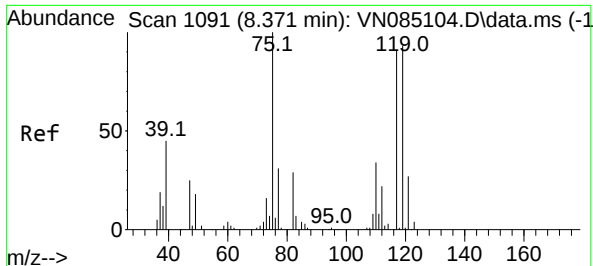
Tgt Ion:114 Resp: 269925  
Ion Ratio Lower Upper  
114 100  
63 20.7 0.0 41.0  
88 15.4 0.0 34.8



#35  
Dibromofluoromethane  
Concen: 50.537 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. 0.006 min  
Lab File: VN085108.D  
Acq: 05 Dec 2024 11:49

Tgt Ion:113 Resp: 91991  
Ion Ratio Lower Upper  
113 100  
111 104.2 82.0 123.0  
192 17.9 14.8 22.2





#36

1,1-Dichloropropene

Concen: 5.231 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

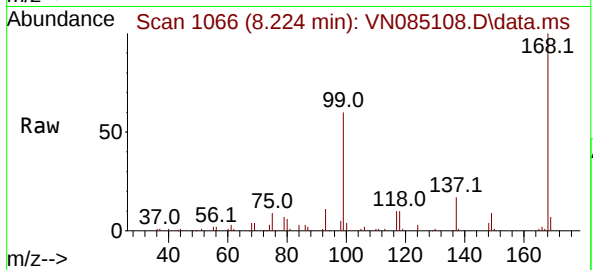
Lab File: VN085108.D

Acq: 05 Dec 2024 11:49

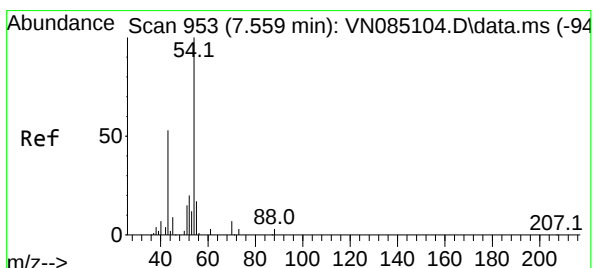
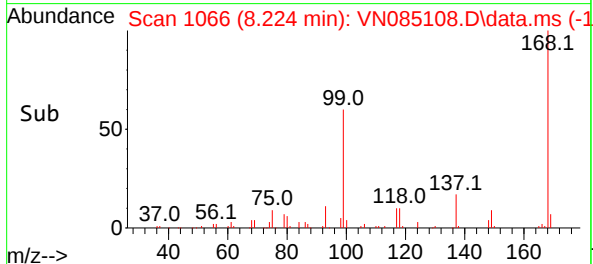
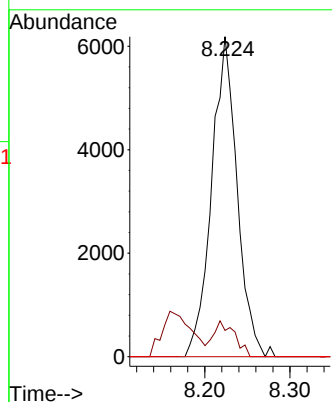
Instrument :

MSVOA\_N

ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 12898 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 9.4   | 17.2  | 51.6# |
| 77       | 0.0   | 24.2  | 36.4# |



#37

Ethyl Acetate

Concen: 0.202 ug/l

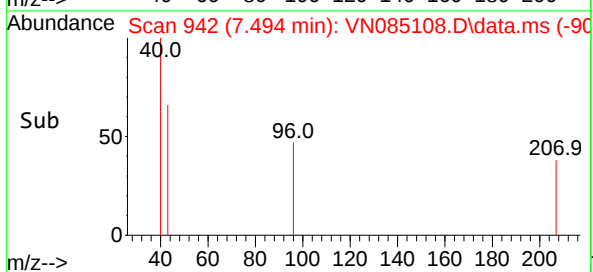
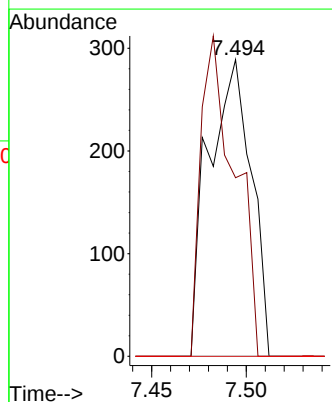
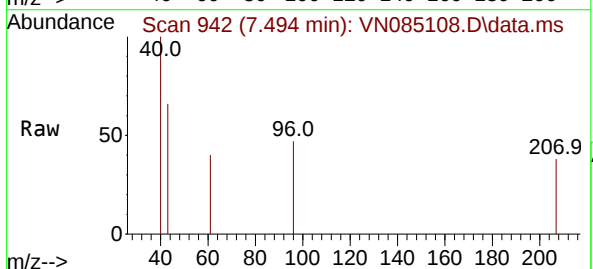
RT: 7.494 min Scan# 942

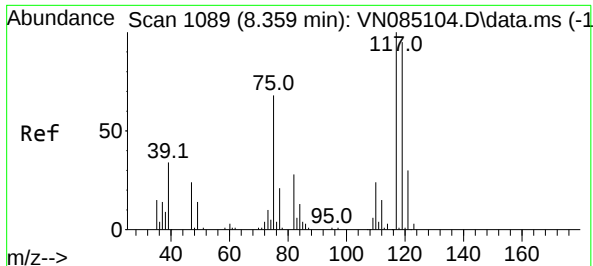
Delta R.T. -0.059 min

Lab File: VN085108.D

Acq: 05 Dec 2024 11:49

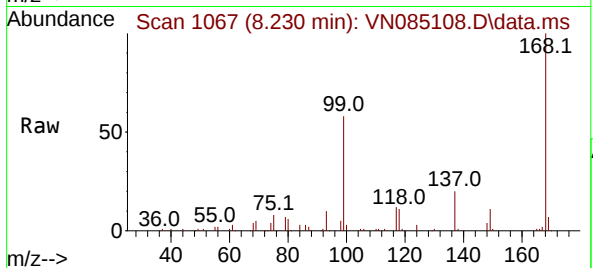
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 452   |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 86.3  | 11.7  | 17.5# |
| 70       | 0.0   | 9.3   | 13.9# |



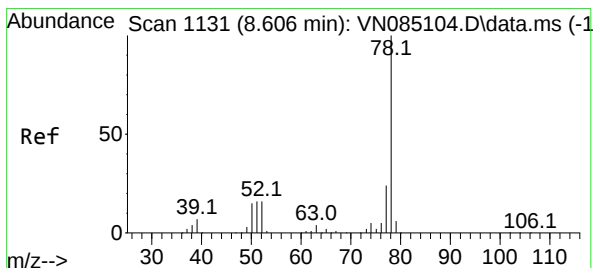
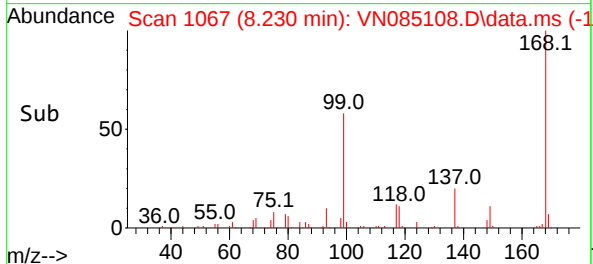
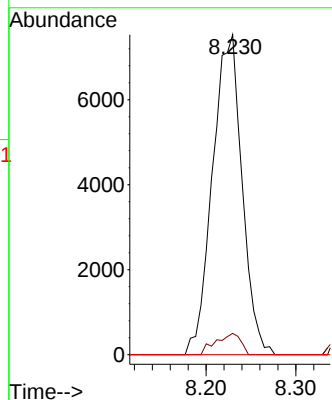


#38  
Carbon Tetrachloride  
Concen: 6.052 ug/l  
RT: 8.230 min Scan# 1107  
Delta R.T. -0.124 min  
Lab File: VN085108.D  
Acq: 05 Dec 2024 11:49

Instrument :  
MSVOA\_N  
ClientSampleId :

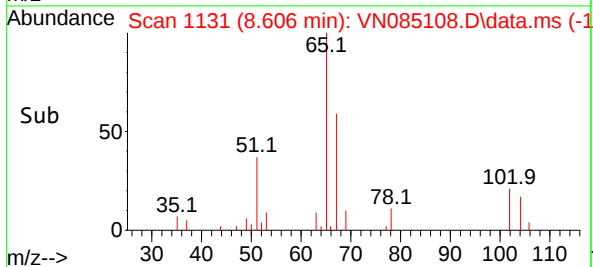
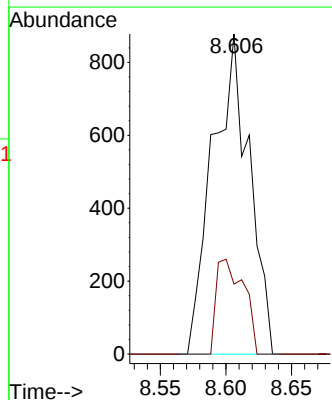
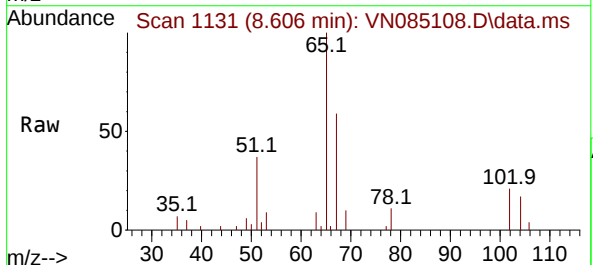


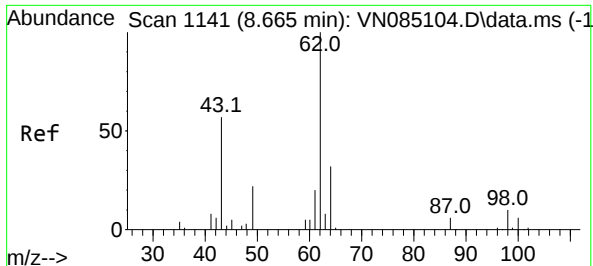
Tgt Ion:117 Resp: 17225  
Ion Ratio Lower Upper  
117 100  
119 6.7 78.6 117.8#  
121 0.0 24.2 36.2#



#40  
Benzene  
Concen: 0.218 ug/l  
RT: 8.606 min Scan# 1131  
Delta R.T. 0.006 min  
Lab File: VN085108.D  
Acq: 05 Dec 2024 11:49

Tgt Ion: 78 Resp: 1703  
Ion Ratio Lower Upper  
78 100  
77 21.9 18.5 27.7





#42

1,2-Dichloroethane

Concen: 0.289 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. 0.012 min

Lab File: VN085108.D

Acq: 05 Dec 2024 11:49

Instrument :

MSVOA\_N

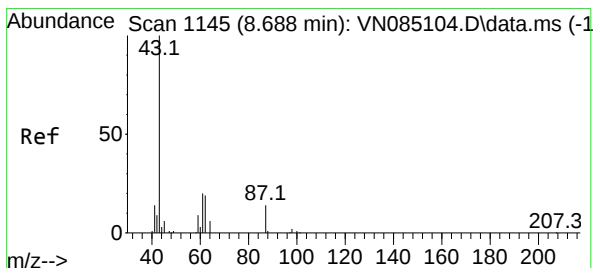
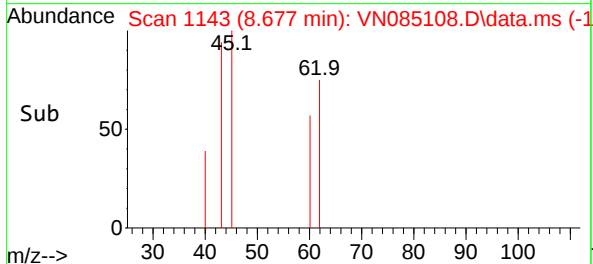
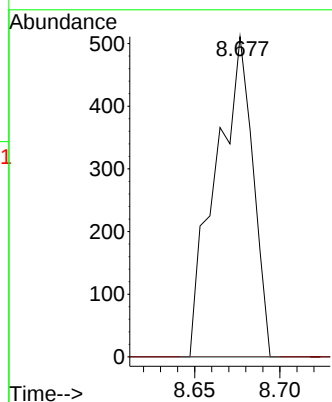
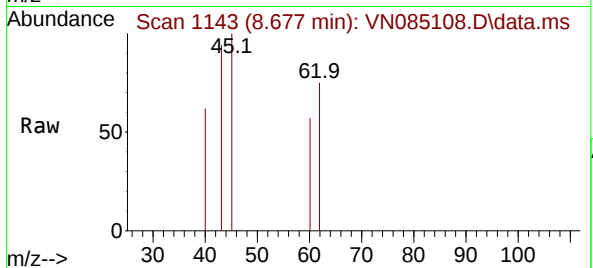
ClientSampleId :

Tgt Ion: 62 Resp: 770

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2



#43

Isopropyl Acetate

Concen: 0.447 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. -0.000 min

Lab File: VN085108.D

Acq: 05 Dec 2024 11:49

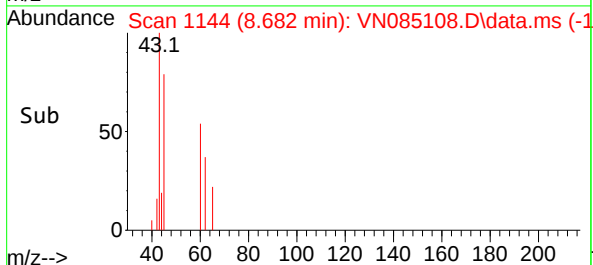
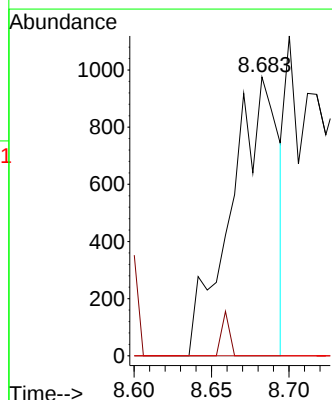
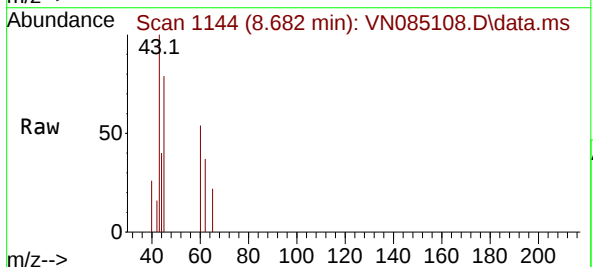
Tgt Ion: 43 Resp: 2079

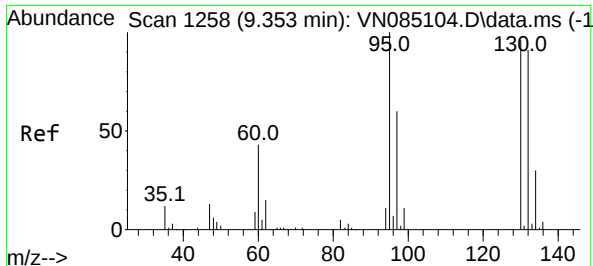
Ion Ratio Lower Upper

43 100

61 0.0 20.6 30.8#

87 0.0 11.0 16.4#

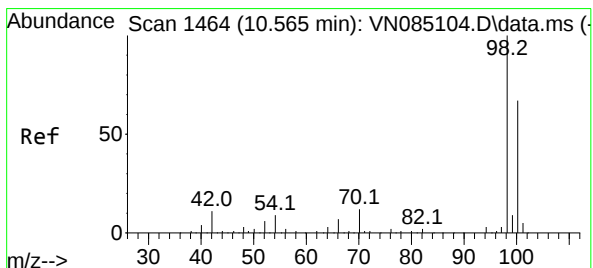
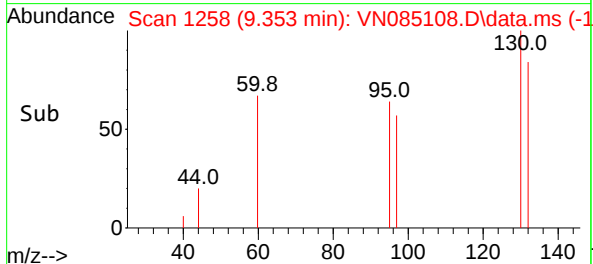
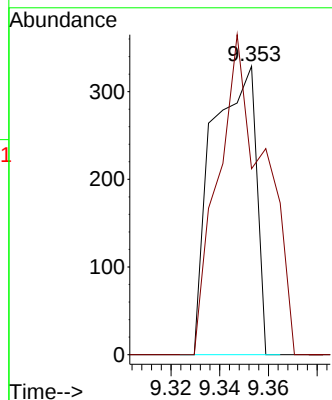
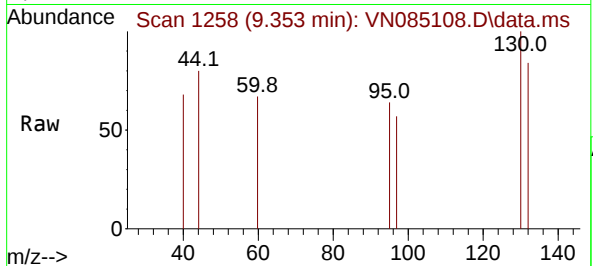




#44  
Trichloroethene  
Concen: 0.226 ug/l  
RT: 9.353 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN085108.D  
Acq: 05 Dec 2024 11:49

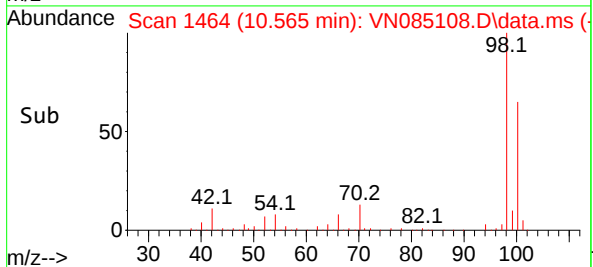
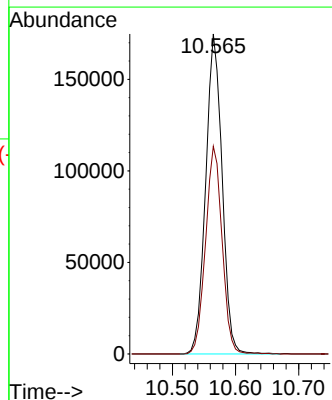
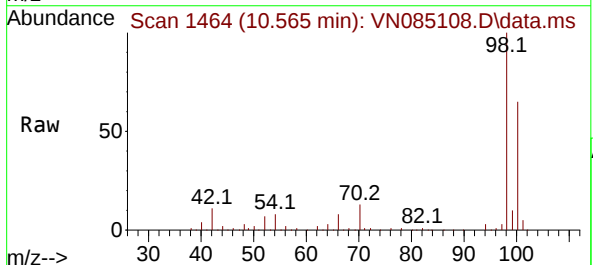
Instrument :  
MSVOA\_N  
ClientSampleId :

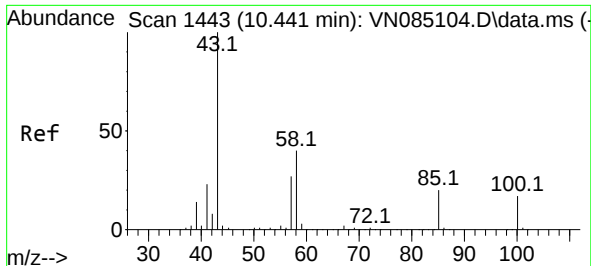
Tgt Ion:130 Resp: 409  
Ion Ratio Lower Upper  
130 100  
95 64.4 0.0 213.4



#50  
Toluene-d8  
Concen: 48.297 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. -0.000 min  
Lab File: VN085108.D  
Acq: 05 Dec 2024 11:49

Tgt Ion: 98 Resp: 315063  
Ion Ratio Lower Upper  
98 100  
100 65.3 52.5 78.7

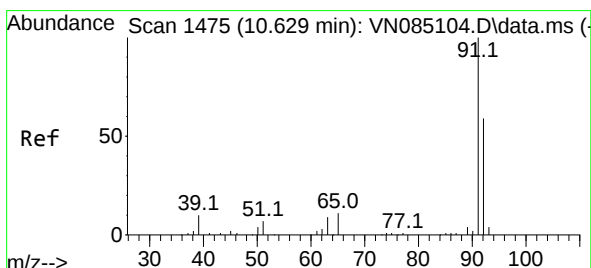
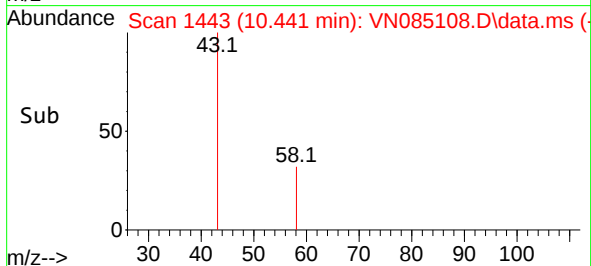
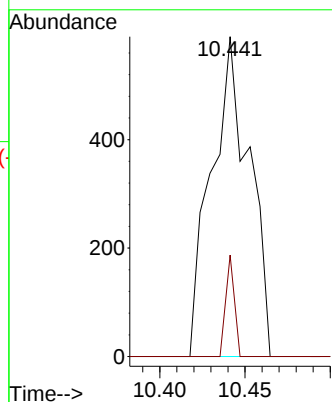
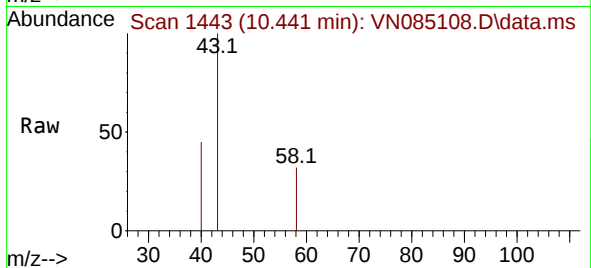




#51  
4-Methyl-2-Pentanone  
Concen: 0.430 ug/l  
RT: 10.441 min Scan# 1443  
Delta R.T. -0.000 min  
Lab File: VN085108.D  
Acq: 05 Dec 2024 11:49

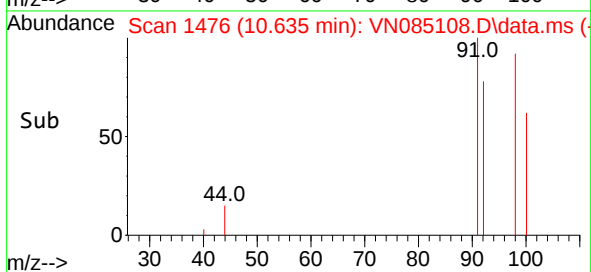
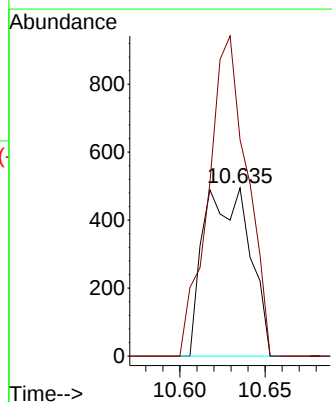
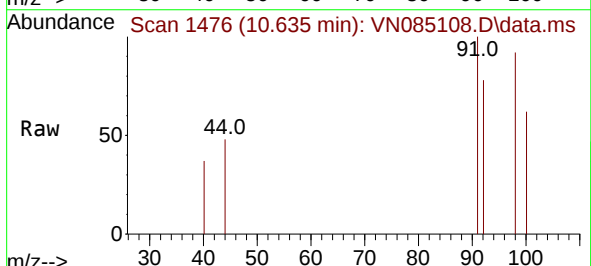
Instrument :  
MSVOA\_N  
ClientSampleId :

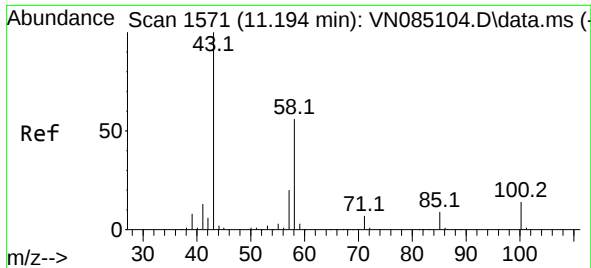
Tgt Ion: 43 Resp: 914  
Ion Ratio Lower Upper  
43 100  
58 0.0 32.1 48.1#



#52  
Toluene  
Concen: 0.202 ug/l  
RT: 10.635 min Scan# 1476  
Delta R.T. 0.012 min  
Lab File: VN085108.D  
Acq: 05 Dec 2024 11:49

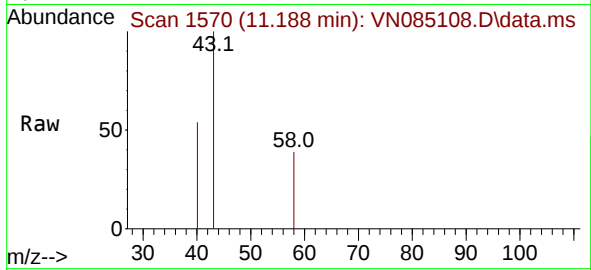
Tgt Ion: 92 Resp: 931  
Ion Ratio Lower Upper  
92 100  
91 160.3 136.7 205.1



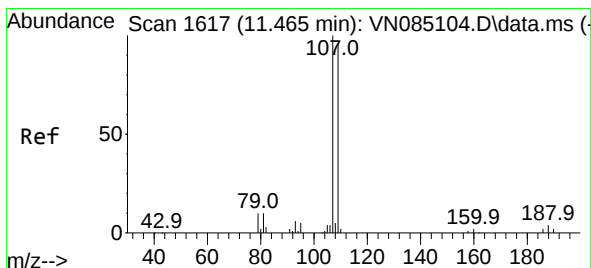
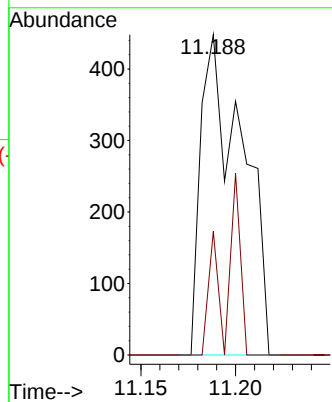
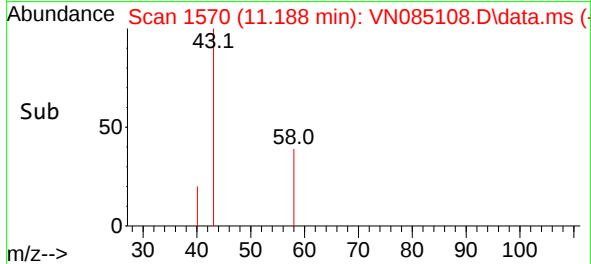


#59  
2-Hexanone  
Concen: 0.428 ug/l  
RT: 11.188 min Scan# 1570  
Delta R.T. -0.006 min  
Lab File: VN085108.D  
Acq: 05 Dec 2024 11:49

Instrument :  
MSVOA\_N  
ClientSampleId :

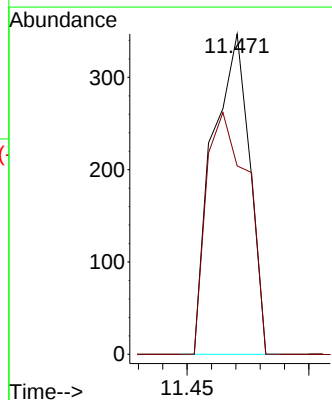
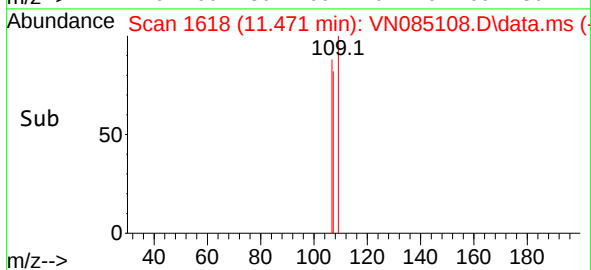
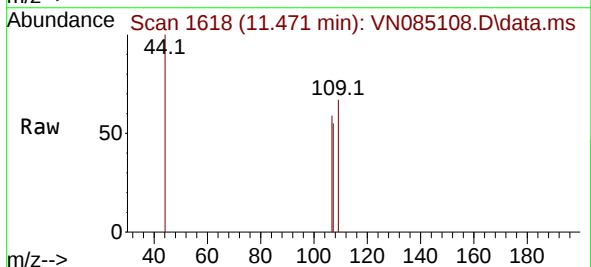


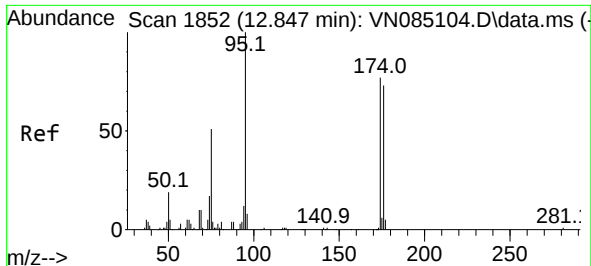
Tgt Ion: 43 Resp: 680  
Ion Ratio Lower Upper  
43 100  
58 9.0 28.3 85.0#



#61  
1,2-Dibromoethane  
Concen: 0.205 ug/l  
RT: 11.471 min Scan# 1618  
Delta R.T. 0.006 min  
Lab File: VN085108.D  
Acq: 05 Dec 2024 11:49

Tgt Ion: 107 Resp: 365  
Ion Ratio Lower Upper  
107 100  
109 85.2 76.1 114.1

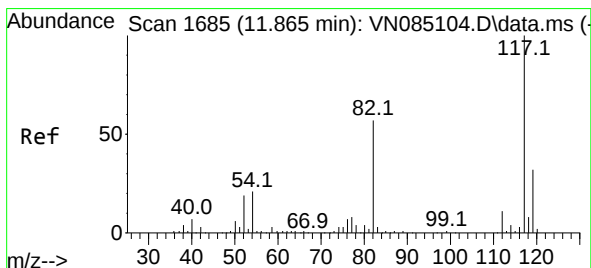
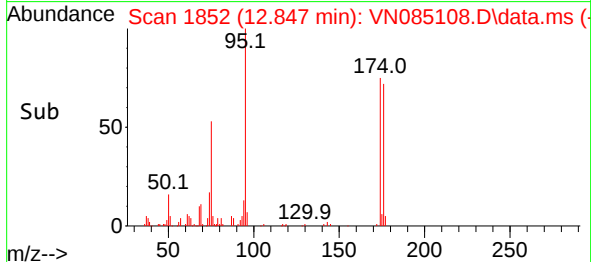
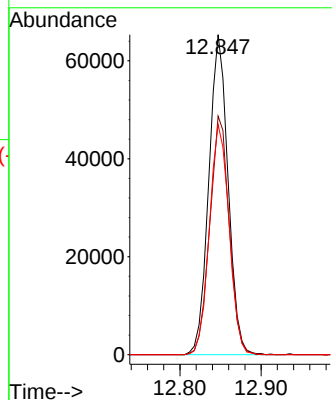
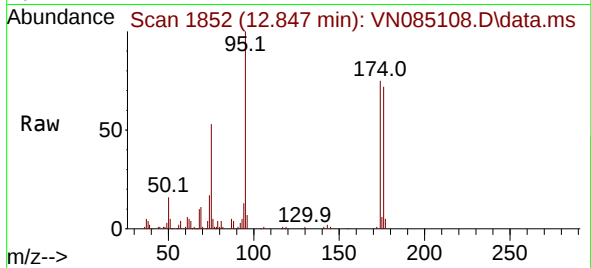




#62  
4-Bromofluorobenzene  
Concen: 44.021 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN085108.D  
Acq: 05 Dec 2024 11:49

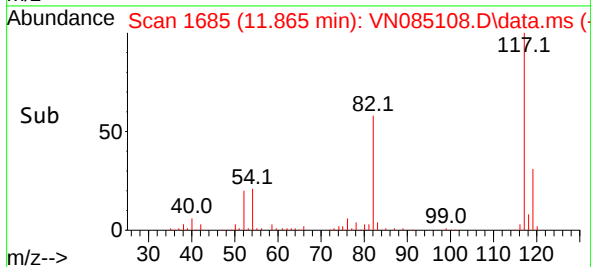
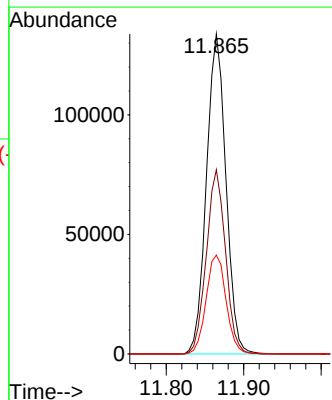
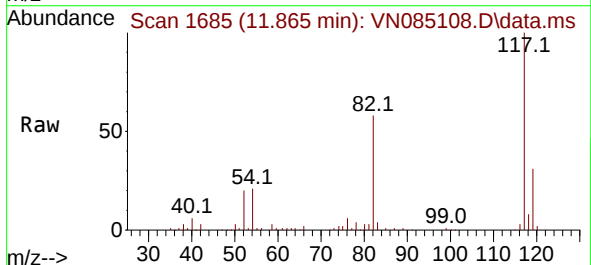
Instrument :  
MSVOA\_N  
ClientSampleId :

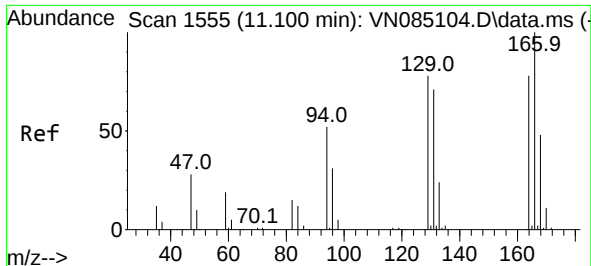
Tgt Ion: 95 Resp: 107392  
Ion Ratio Lower Upper  
95 100  
174 75.3 0.0 146.6  
176 73.6 0.0 141.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1685  
Delta R.T. 0.006 min  
Lab File: VN085108.D  
Acq: 05 Dec 2024 11:49

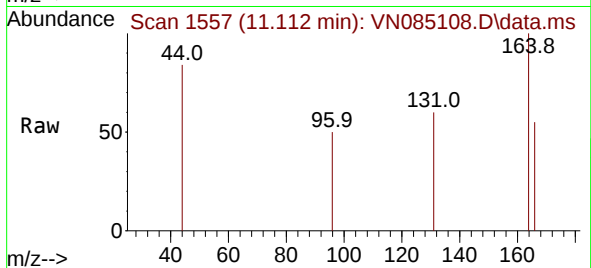
Tgt Ion: 117 Resp: 233275  
Ion Ratio Lower Upper  
117 100  
82 57.6 46.0 69.0  
119 30.9 25.6 38.4



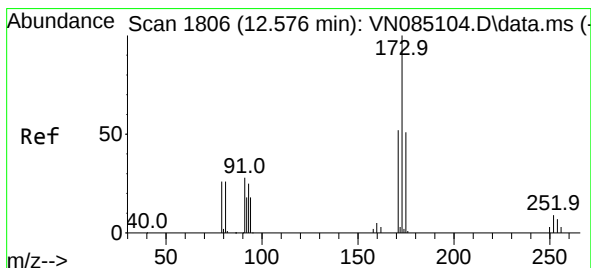
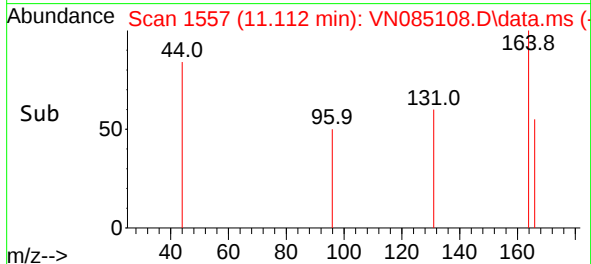
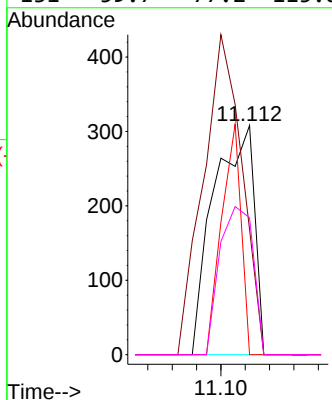


#64  
Tetrachloroethene  
Concen: 0.226 ug/l  
RT: 11.112 min Scan# 11  
Delta R.T. 0.012 min  
Lab File: VN085108.D  
Acq: 05 Dec 2024 11:49

Instrument :  
MSVOA\_N  
ClientSampleId :

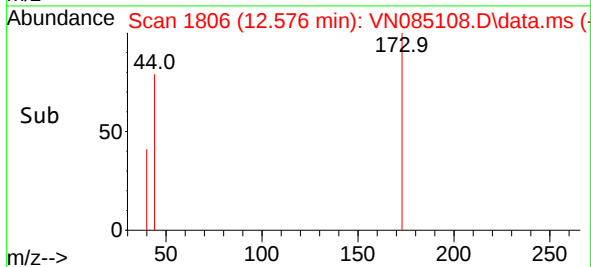
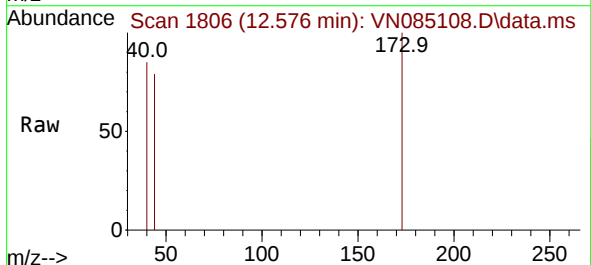
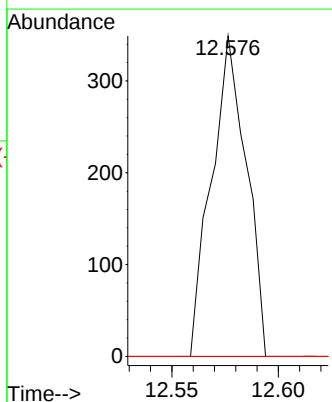


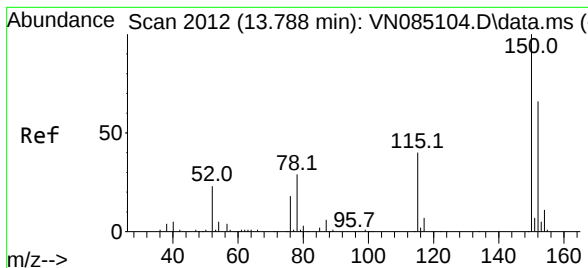
Tgt Ion:164 Resp: 355  
Ion Ratio Lower Upper  
164 100  
166 54.5 100.6 151.0#  
129 0.0 77.7 116.5#  
131 59.7 77.2 115.8#



#71  
Bromoform  
Concen: 0.287 ug/l  
RT: 12.576 min Scan# 1806  
Delta R.T. -0.000 min  
Lab File: VN085108.D  
Acq: 05 Dec 2024 11:49

Tgt Ion:173 Resp: 397  
Ion Ratio Lower Upper  
173 100  
175 0.0 23.8 71.2#  
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN085108.D

Acq: 05 Dec 2024 11:49

Instrument :

MSVOA\_N

ClientSampleId :

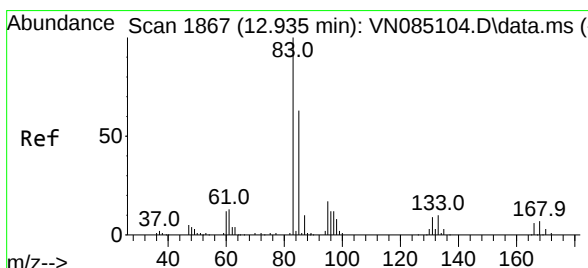
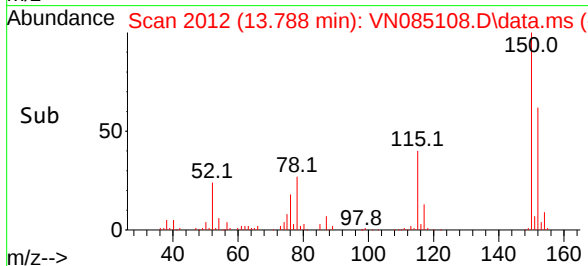
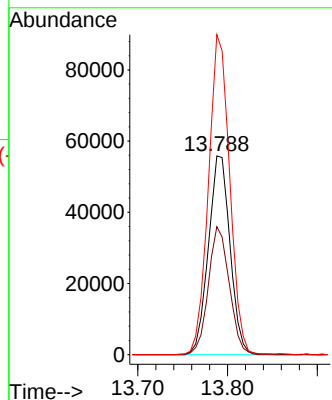
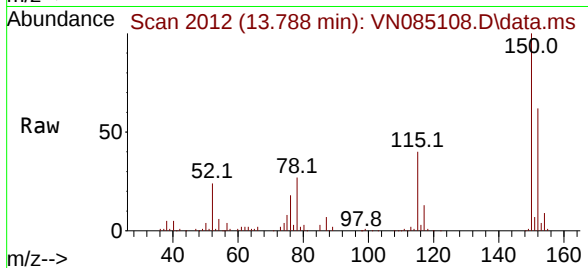
Tgt Ion:152 Resp: 93689

Ion Ratio Lower Upper

152 100

115 62.0 31.7 95.1

150 157.7 0.0 351.4



#75

1,1,2,2-Tetrachloroethane

Concen: 0.265 ug/l

RT: 12.929 min Scan# 1866

Delta R.T. -0.006 min

Lab File: VN085108.D

Acq: 05 Dec 2024 11:49

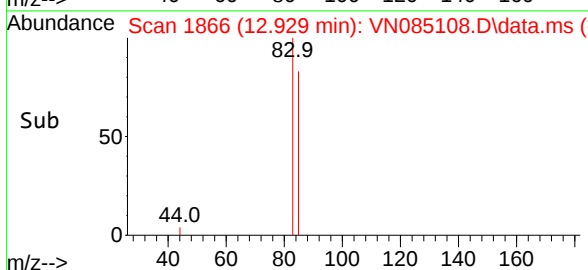
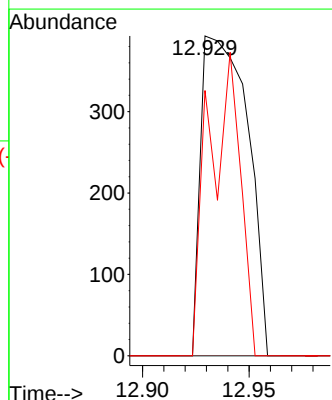
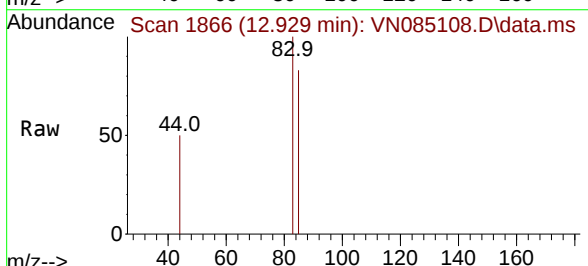
Tgt Ion: 83 Resp: 599

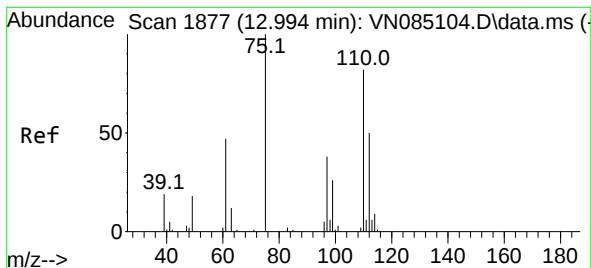
Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.4#

85 64.1 32.1 96.3

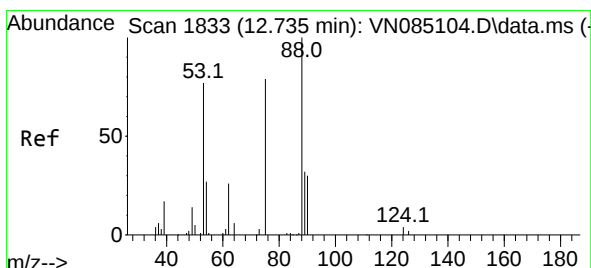
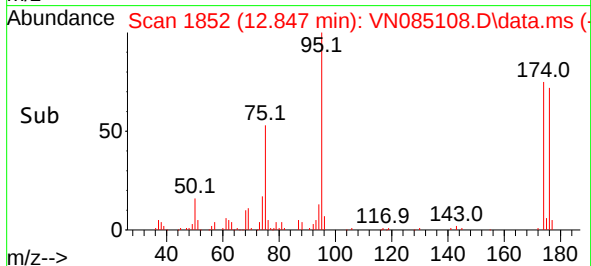
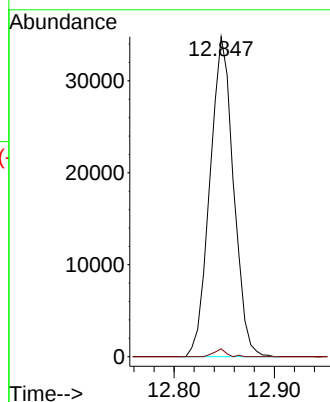
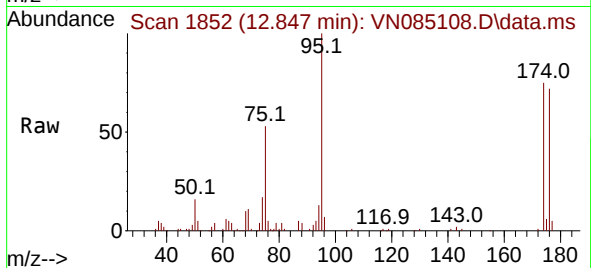




#76  
1,2,3-Trichloropropane  
Concen: 33.390 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.147 min  
Lab File: VN085108.D  
Acq: 05 Dec 2024 11:49

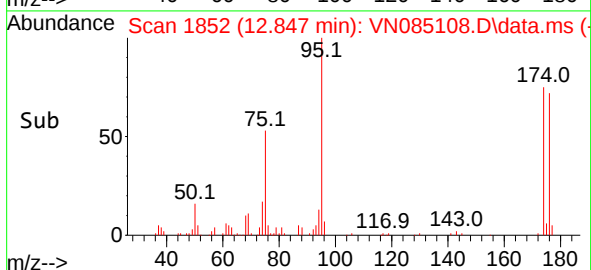
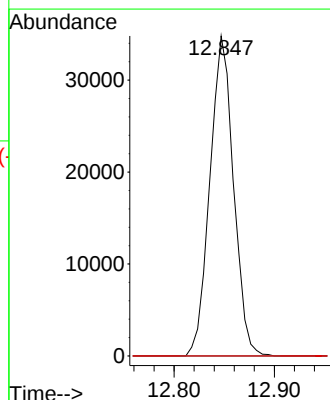
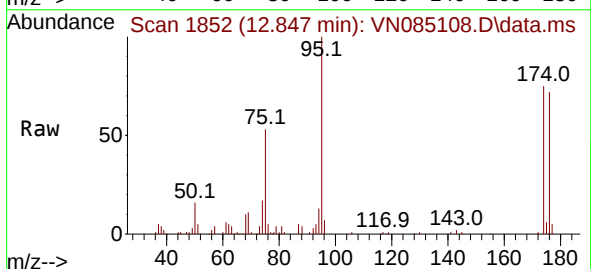
Instrument :  
MSVOA\_N  
ClientSampleId :

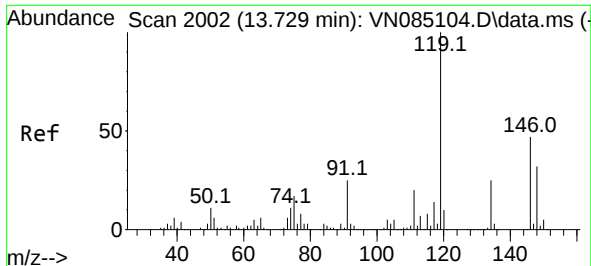
Tgt Ion: 75 Resp: 56901  
Ion Ratio Lower Upper  
75 100  
77 1.3 109.1 327.4#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 73.711 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.112 min  
Lab File: VN085108.D  
Acq: 05 Dec 2024 11:49

Tgt Ion: 75 Resp: 56901  
Ion Ratio Lower Upper  
75 100  
53 0.0 78.2 117.4#  
89 0.0 37.9 56.9#





#87

1,3-Dichlorobenzene

Concen: 0.251 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.000 min

Lab File: VN085108.D

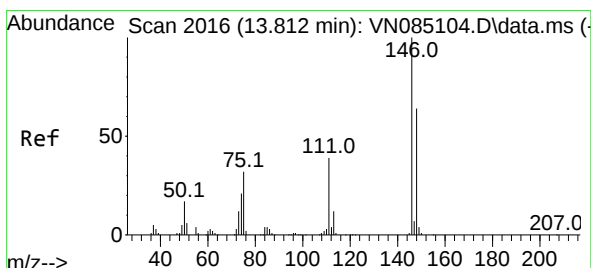
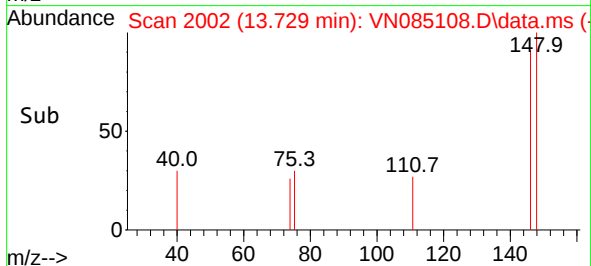
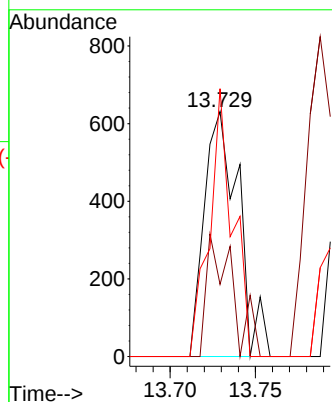
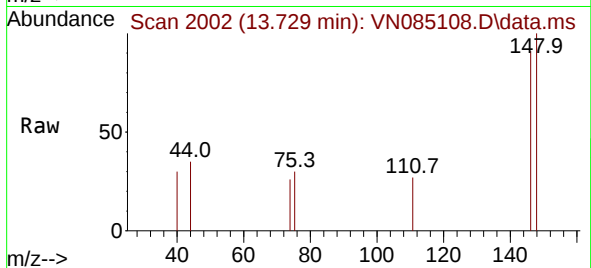
Acq: 05 Dec 2024 11:49

Instrument :

MSVOA\_N

ClientSampleId :

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:146 | Resp: | 880         |
| Ion         | Ratio | Lower Upper |
| 146         | 100   |             |
| 111         | 37.8  | 21.6 65.0   |
| 148         | 74.8  | 32.2 96.6   |



#88

1,4-Dichlorobenzene

Concen: 0.246 ug/l

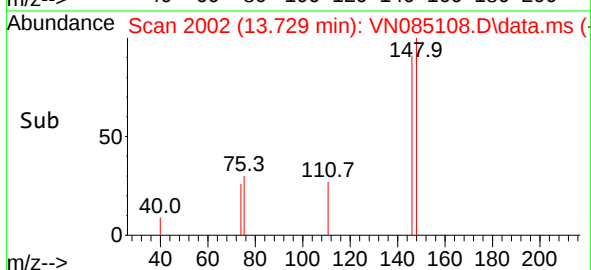
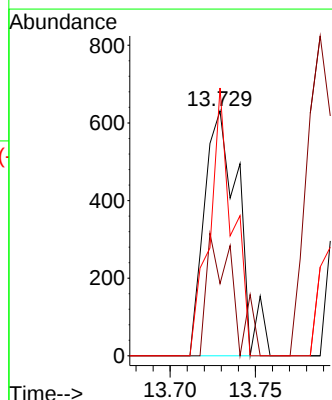
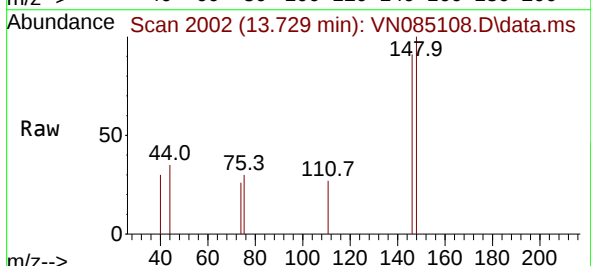
RT: 13.729 min Scan# 2002

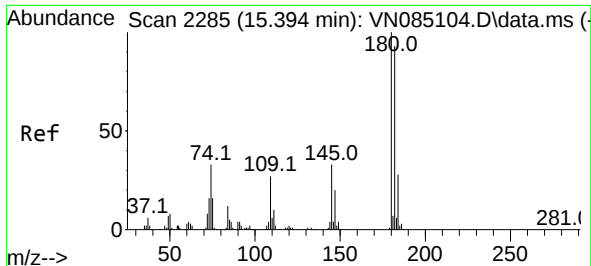
Delta R.T. -0.082 min

Lab File: VN085108.D

Acq: 05 Dec 2024 11:49

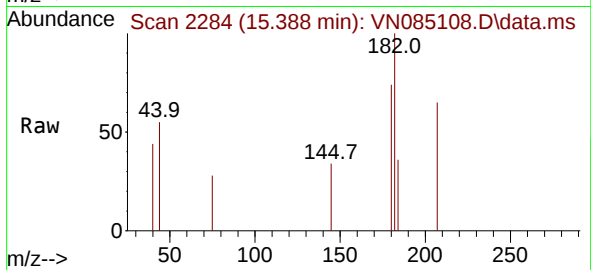
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:146 | Resp: | 880         |
| Ion         | Ratio | Lower Upper |
| 146         | 100   |             |
| 111         | 37.8  | 20.9 62.8   |
| 148         | 74.8  | 31.3 93.9   |





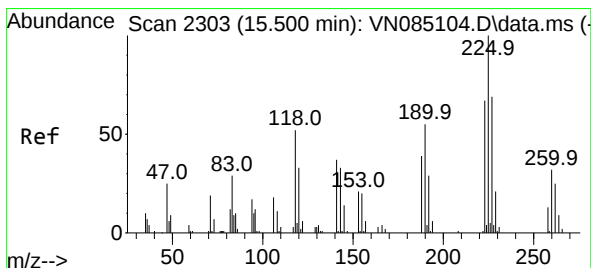
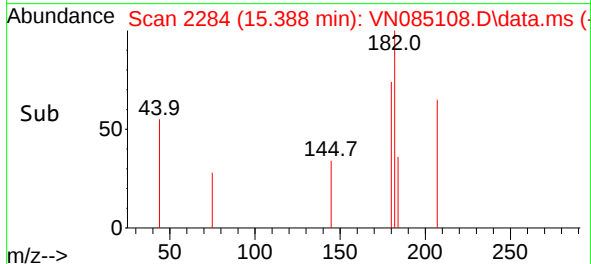
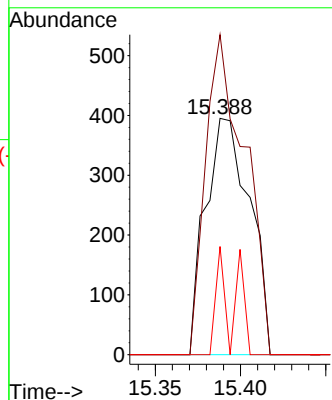
#93  
 1,2,4-Trichlorobenzene  
 Concen: 0.390 ug/l  
 RT: 15.388 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VN085108.D  
 Acq: 05 Dec 2024 11:49

Instrument :  
 MSVOA\_N  
 ClientSampleId :



Tgt Ion:180 Resp: 713  

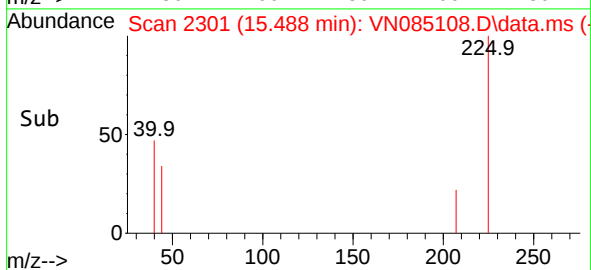
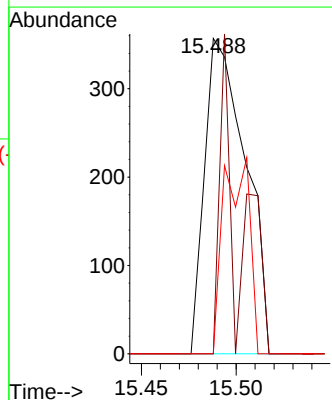
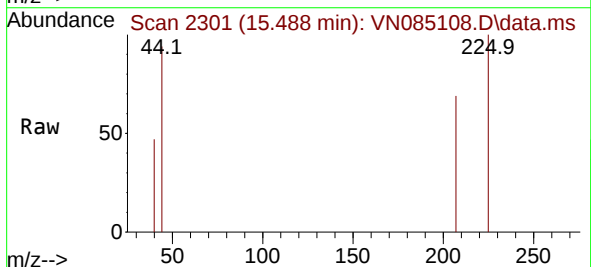
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 120.6 | 46.9  | 140.8 |
| 145 | 17.7  | 16.3  | 48.8  |

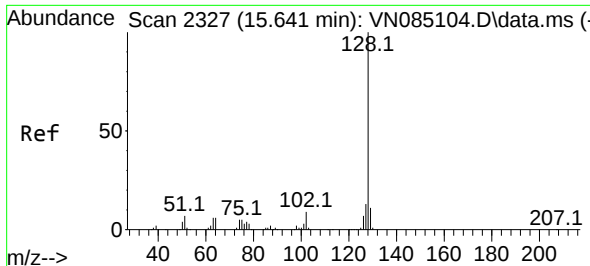


#94  
 Hexachlorobutadiene  
 Concen: 0.637 ug/l  
 RT: 15.488 min Scan# 2301  
 Delta R.T. -0.012 min  
 Lab File: VN085108.D  
 Acq: 05 Dec 2024 11:49

Tgt Ion:225 Resp: 537  

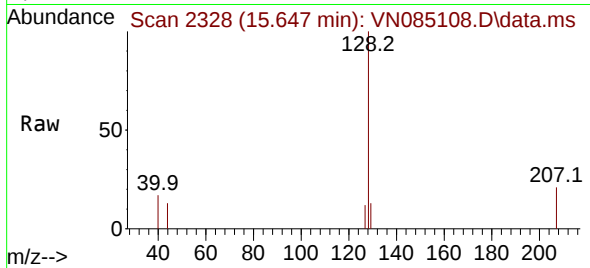
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 225 | 100   |       |       |
| 223 | 47.5  | 30.9  | 92.8  |
| 227 | 39.5  | 31.5  | 94.5  |



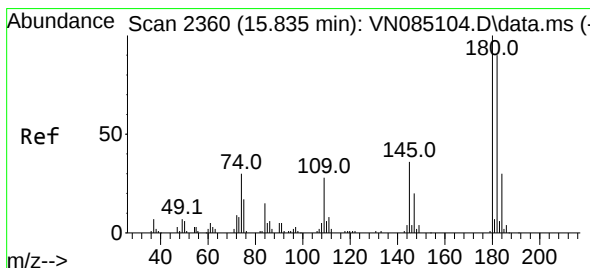
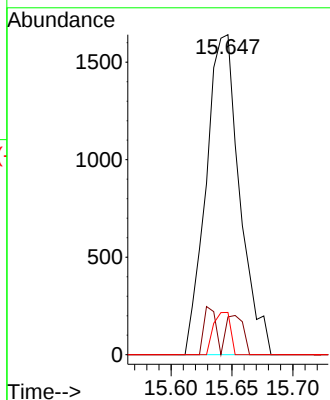
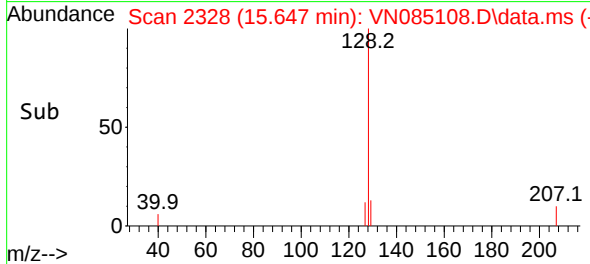


#95  
Naphthalene  
Concen: 0.607 ug/l  
RT: 15.647 min Scan# 2327  
Delta R.T. 0.006 min  
Lab File: VN085108.D  
Acq: 05 Dec 2024 11:49

Instrument :  
MSVOA\_N  
ClientSampleId :



Tgt Ion:128 Resp: 3157  
Ion Ratio Lower Upper  
128 100  
127 6.3 10.6 16.0#  
129 6.7 8.6 12.8#



#96  
1,2,3-Trichlorobenzene  
Concen: 0.534 ug/l  
RT: 15.841 min Scan# 2361  
Delta R.T. 0.006 min  
Lab File: VN085108.D  
Acq: 05 Dec 2024 11:49

Tgt Ion:180 Resp: 931  
Ion Ratio Lower Upper  
180 100  
182 78.7 46.4 139.2  
145 15.6 17.3 52.0#

