

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN083024\  
 Data File : VN083575.D  
 Acq On : 30 Aug 2024 15:09  
 Operator : JC\MD  
 Sample : P3794-01ME  
 Misc : 1.01g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Aug 31 02:38:14 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      | 8.218  | 168  | 150438   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.100  | 114  | 306739   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.865 | 117  | 314592   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152  | 137440   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.577  | 65    | 108257   | 51.489   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | = 102.980% |      |
| 35) Dibromofluoromethane    | 8.159  | 113   | 86664    | 46.942   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 93.880%  |      |
| 50) Toluene-d8              | 10.565 | 98    | 320293   | 44.626   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | = 89.260%  |      |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 140391   | 52.714   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | = 105.420% |      |

|                               |        |     |        |        |        |    |
|-------------------------------|--------|-----|--------|--------|--------|----|
| Target Compounds              |        |     | Qvalue |        |        |    |
| 3) Chloromethane              | 2.353  | 50  | 804    | 0.433  | ug/l # | 87 |
| 5) Bromomethane               | 2.889  | 94  | 721    | 0.739  | ug/l # | 77 |
| 6) Chloroethane               | 3.089  | 64  | 751    | 0.619  | ug/l # | 45 |
| 11) Tert butyl alcohol        | 5.483  | 59  | 158    | 0.482  | ug/l # | 71 |
| 13) Acrolein                  | 4.159  | 56  | 81     | 0.261  | ug/l # | 69 |
| 16) Acetone                   | 4.441  | 43  | 800    | 0.954  | ug/l # | 45 |
| 17) Carbon Disulfide          | 4.659  | 76  | 2669   | 0.556  | ug/l # | 75 |
| 18) Methyl Acetate            | 5.036  | 43  | 2891   | 1.297  | ug/l # | 78 |
| 20) Methylene Chloride        | 5.271  | 84  | 2342   | 1.265  | ug/l # | 80 |
| 25) 2-Butanone                | 7.494  | 43  | 1027   | 0.900  | ug/l # | 49 |
| 29) Tetrahydrofuran           | 7.853  | 42  | 477    | 0.674  | ug/l # | 32 |
| 31) Cyclohexane               | 8.218  | 56  | 4235   | 1.302  | ug/l # | 9  |
| 36) 1,1-Dichloropropene       | 8.371  | 75  | 659    | 0.234  | ug/l # | 49 |
| 37) Ethyl Acetate             | 7.494  | 43  | 1027   | 0.366  | ug/l # | 26 |
| 38) Carbon Tetrachloride      | 8.218  | 117 | 16964  | 5.280  | ug/l # | 15 |
| 43) Isopropyl Acetate         | 8.653  | 43  | 9658   | 0.550  | ug/l # | 57 |
| 53) t-1,3-Dichloropropene     | 10.841 | 75  | 983    | 0.300  | ug/l   | 90 |
| 58) 2-Chloroethyl Vinyl ether | 10.147 | 63  | 620    | 0.446  | ug/l # | 62 |
| 59) 2-Hexanone                | 11.200 | 43  | 772    | 0.395  | ug/l   | 90 |
| 65) Chlorobenzene             | 11.894 | 112 | 1890   | 0.268  | ug/l # | 79 |
| 68) m/p-Xylenes               | 12.070 | 106 | 1647   | 0.347  | ug/l   | 97 |
| 70) Styrene                   | 12.412 | 104 | 2349   | 0.305  | ug/l   | 91 |
| 76) 1,2,3-Trichloropropane    | 12.847 | 75  | 75935  | 27.365 | ug/l # | 1  |
| 77) Bromobenzene              | 12.982 | 156 | 1058   | 0.405  | ug/l   | 75 |
| 78) n-propylbenzene           | 13.035 | 91  | 4272   | 0.332  | ug/l   | 99 |
| 79) 2-Chlorotoluene           | 13.123 | 91  | 2566   | 0.308  | ug/l   | 93 |
| 80) 1,3,5-Trimethylbenzene    | 13.170 | 105 | 2084   | 0.222  | ug/l   | 86 |
| 81) trans-1,4-Dichloro-2-b... | 12.847 | 75  | 75935  | 64.543 | ug/l # | 9  |
| 82) 4-Chlorotoluene           | 13.223 | 91  | 4074   | 0.481  | ug/l   | 99 |
| 84) 1,2,4-Trimethylbenzene    | 13.482 | 105 | 2467   | 0.262  | ug/l   | 98 |
| 85) sec-Butylbenzene          | 13.617 | 105 | 2524   | 0.228  | ug/l   | 96 |
| 86) p-Isopropyltoluene        | 13.735 | 119 | 2707   | 0.293  | ug/l   | 98 |
| 87) 1,3-Dichlorobenzene       | 13.735 | 146 | 2780   | 0.549  | ug/l   | 97 |
| 88) 1,4-Dichlorobenzene       | 13.735 | 146 | 2780   | 0.534  | ug/l   | 96 |
| 89) n-Butylbenzene            | 14.053 | 91  | 4065   | 0.500  | ug/l   | 98 |
| 91) 1,2-Dichlorobenzene       | 14.111 | 146 | 2570   | 0.527  | ug/l   | 85 |

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Sample : P3794-01ME  
Misc : 1.01g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :

Quant Time: Aug 31 02:38:14 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

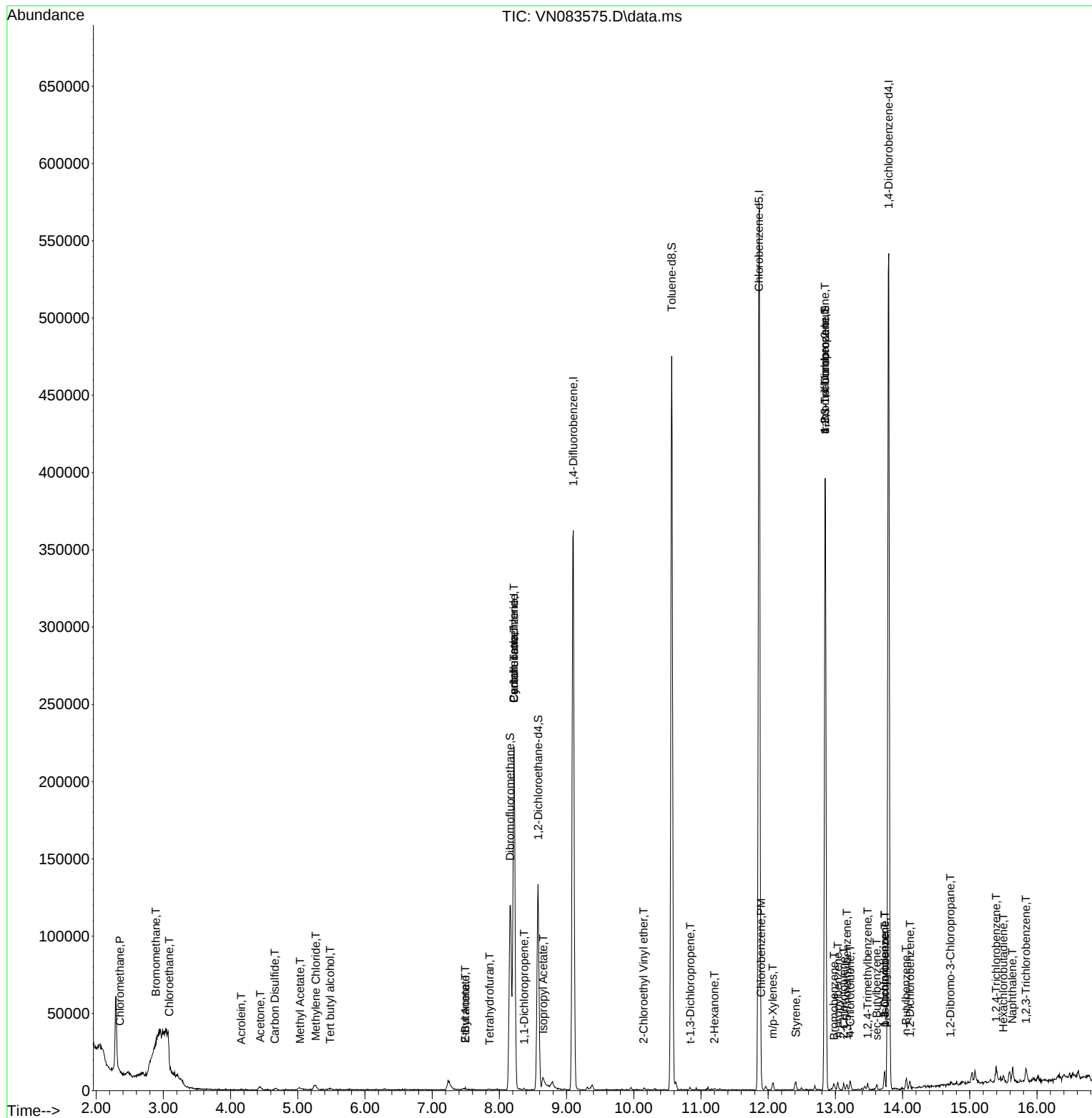
| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 92) 1,2-Dibromo-3-Chloropr... | 14.711 | 75   | 222      | 0.324 | ug/l # | 7        |
| 93) 1,2,4-Trichlorobenzene    | 15.394 | 180  | 2890     | 1.045 | ug/l   | 96       |
| 94) Hexachlorobutadiene       | 15.500 | 225  | 650      | 0.587 | ug/l   | 71       |
| 95) Naphthalene               | 15.635 | 128  | 8914     | 1.003 | ug/l   | 96       |
| 96) 1,2,3-Trichlorobenzene    | 15.835 | 180  | 2430     | 0.879 | ug/l   | 82       |

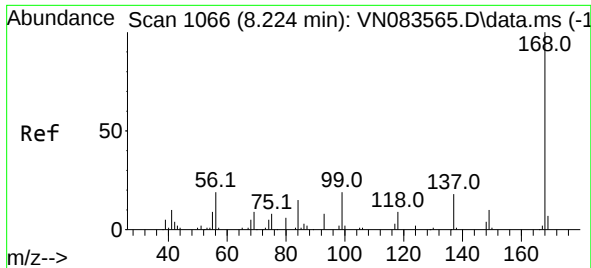
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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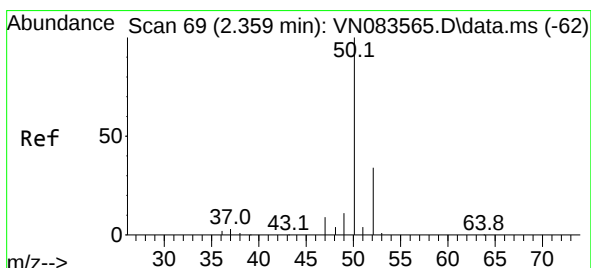
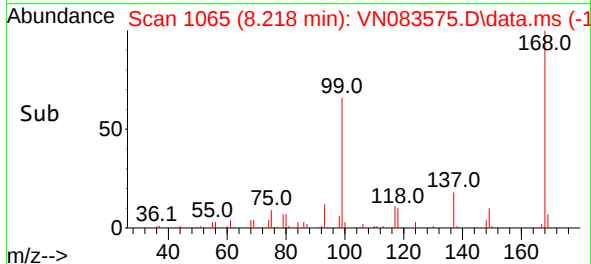
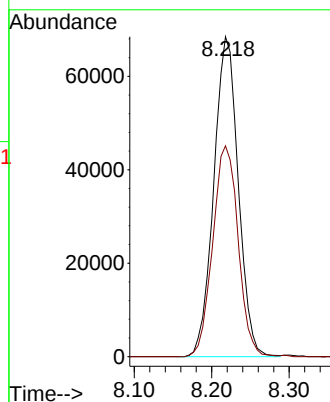
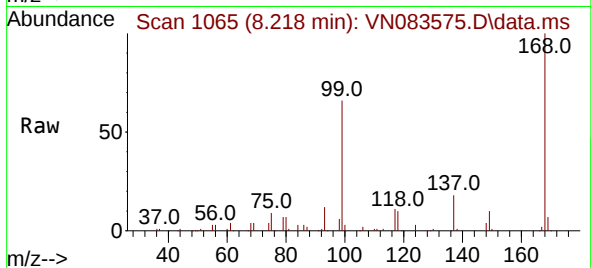




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.218 min Scan# 10  
Delta R.T. -0.006 min  
Lab File: VN083575.D  
Acq: 30 Aug 2024 15:09

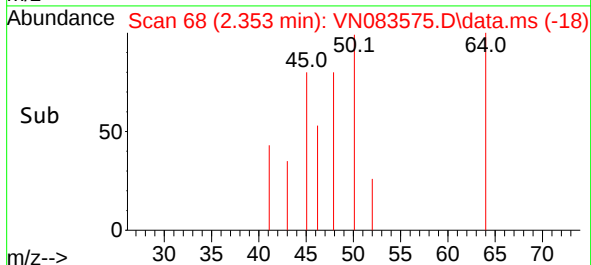
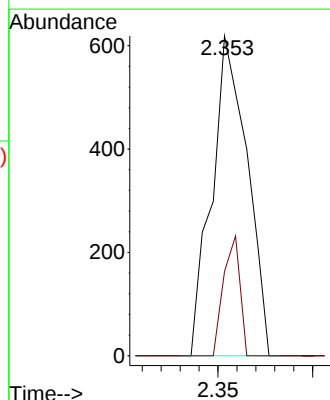
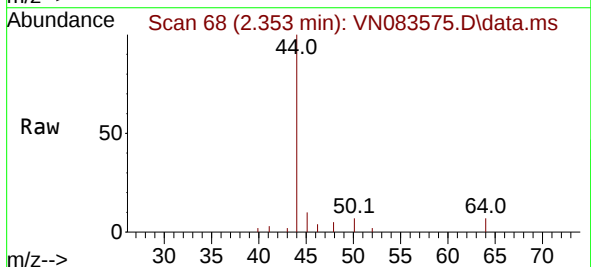
Instrument :  
MSVOA\_N  
ClientSampleId :

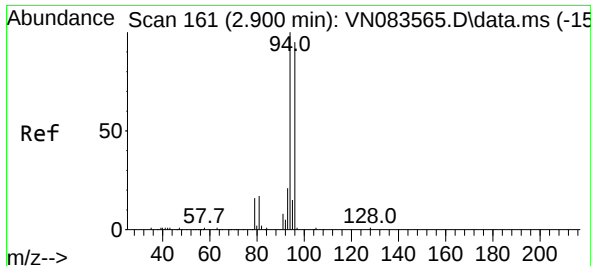
Tgt Ion:168 Resp: 150438  
Ion Ratio Lower Upper  
168 100  
99 65.9 54.2 81.2



#3  
Chloromethane  
Concen: 0.433 ug/l  
RT: 2.353 min Scan# 68  
Delta R.T. -0.006 min  
Lab File: VN083575.D  
Acq: 30 Aug 2024 15:09

Tgt Ion: 50 Resp: 804  
Ion Ratio Lower Upper  
50 100  
52 26.3 27.2 40.8#

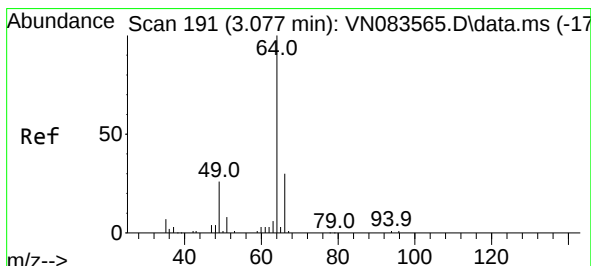
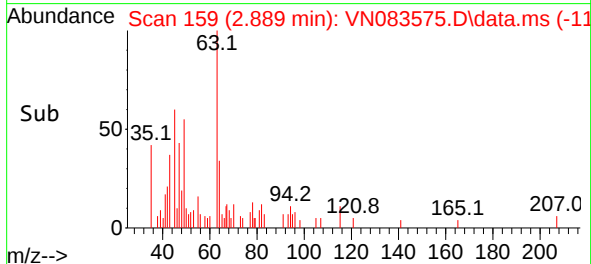
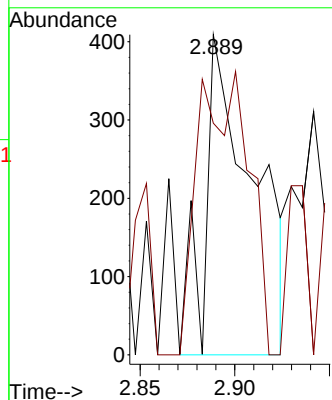
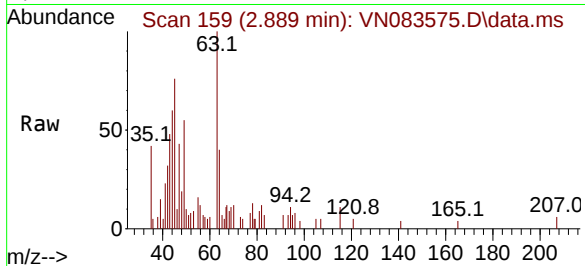




#5  
Bromomethane  
Concen: 0.739 ug/l  
RT: 2.889 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: VN083575.D  
Acq: 30 Aug 2024 15:09

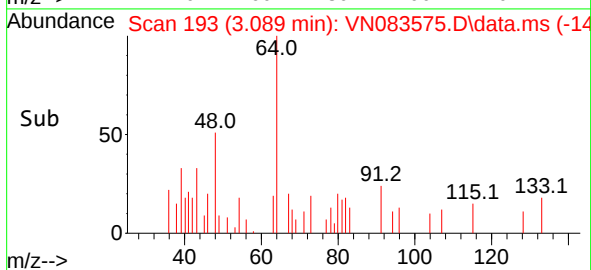
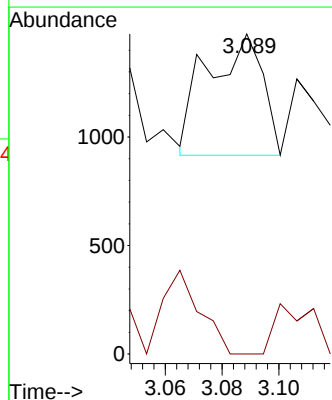
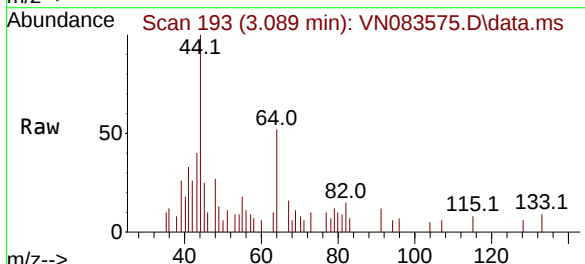
Instrument :  
MSVOA\_N  
ClientSampleId :

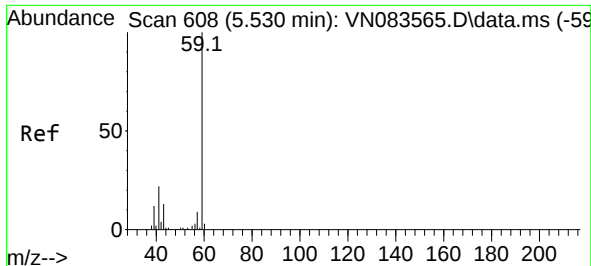
Tgt Ion: 94 Resp: 721  
Ion Ratio Lower Upper  
94 100  
96 72.4 76.0 114.0#



#6  
Chloroethane  
Concen: 0.619 ug/l  
RT: 3.089 min Scan# 193  
Delta R.T. 0.012 min  
Lab File: VN083575.D  
Acq: 30 Aug 2024 15:09

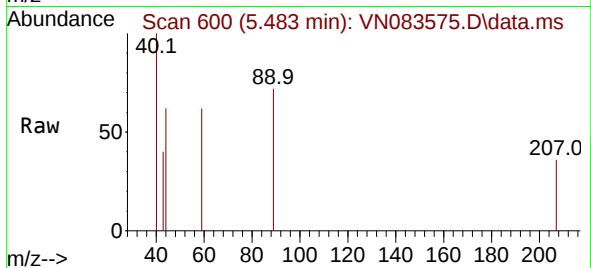
Tgt Ion: 64 Resp: 751  
Ion Ratio Lower Upper  
64 100  
66 0.0 23.9 35.9#



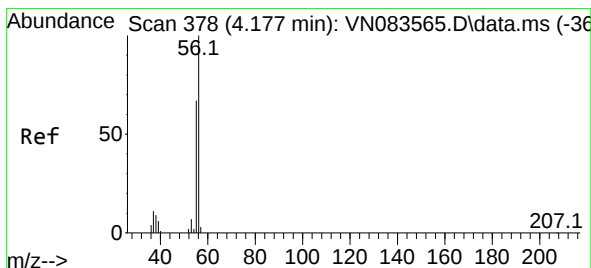
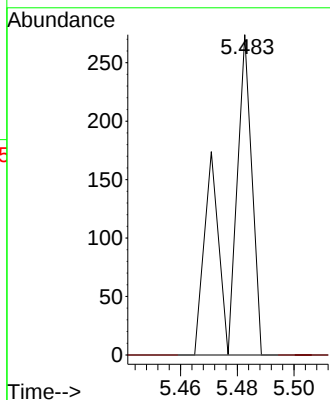
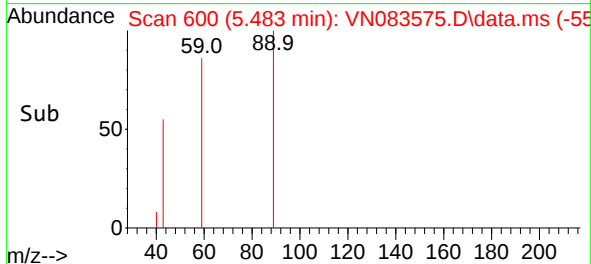


#11  
Tert butyl alcohol  
Concen: 0.482 ug/l  
RT: 5.483 min Scan# 608  
Delta R.T. -0.047 min  
Lab File: VN083575.D  
Acq: 30 Aug 2024 15:09

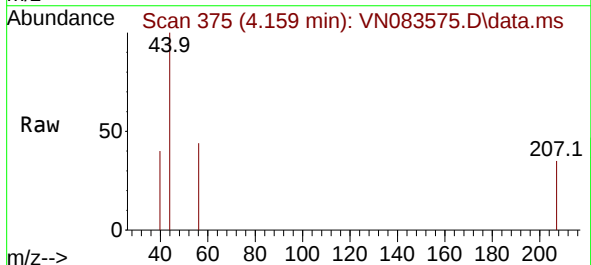
Instrument :  
MSVOA\_N  
ClientSampleId :



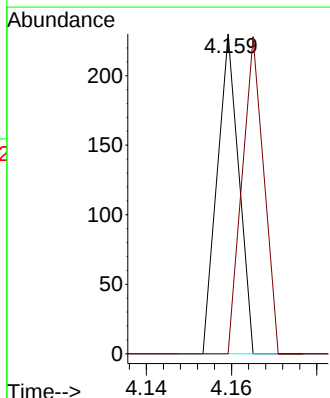
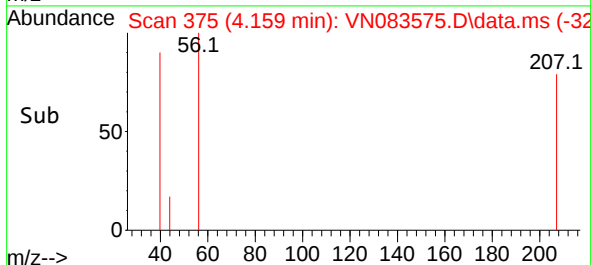
Tgt Ion: 59 Resp: 158  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.7 13.1#

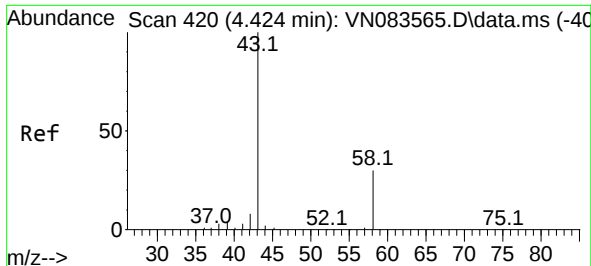


#13  
Acrolein  
Concen: 0.261 ug/l  
RT: 4.159 min Scan# 375  
Delta R.T. -0.018 min  
Lab File: VN083575.D  
Acq: 30 Aug 2024 15:09



Tgt Ion: 56 Resp: 81  
Ion Ratio Lower Upper  
56 100  
55 98.8 58.2 87.2#

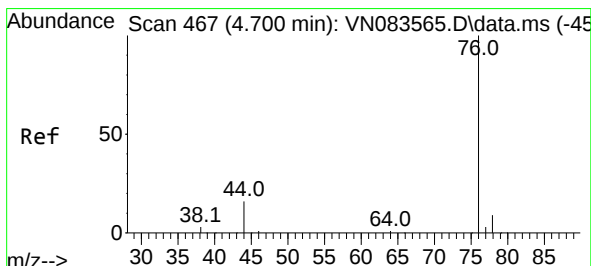
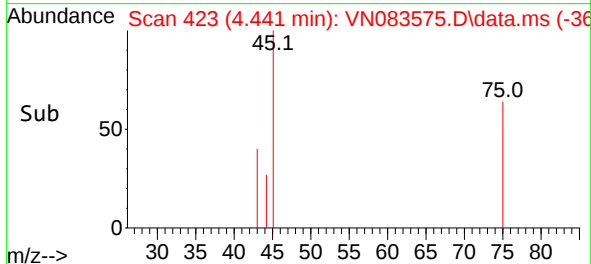
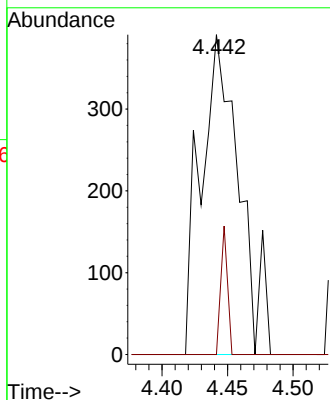
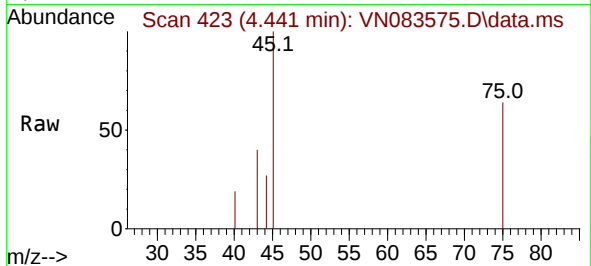




#16  
Acetone  
Concen: 0.954 ug/l  
RT: 4.441 min Scan# 41  
Delta R.T. 0.018 min  
Lab File: VN083575.D  
Acq: 30 Aug 2024 15:09

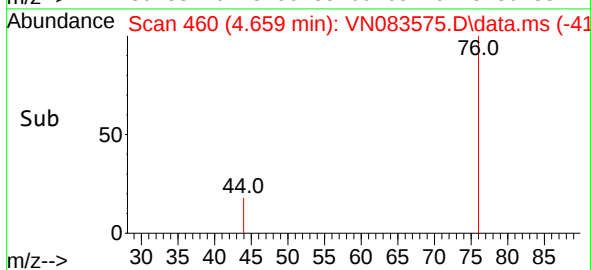
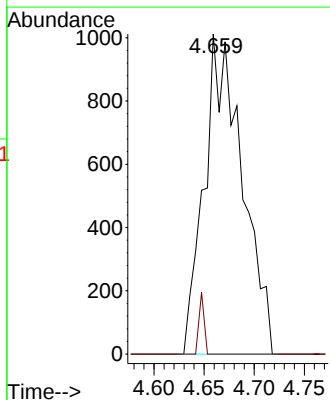
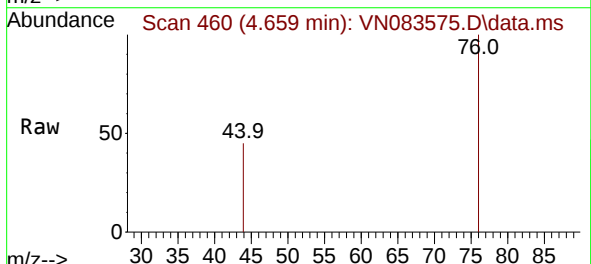
Instrument :  
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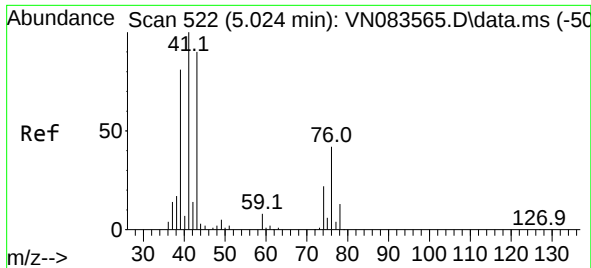
Tgt Ion: 43 Resp: 800  
Ion Ratio Lower Upper  
43 100  
58 0.0 23.7 35.5#



#17  
Carbon Disulfide  
Concen: 0.556 ug/l  
RT: 4.659 min Scan# 460  
Delta R.T. -0.041 min  
Lab File: VN083575.D  
Acq: 30 Aug 2024 15:09

Tgt Ion: 76 Resp: 2669  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.1 10.7#

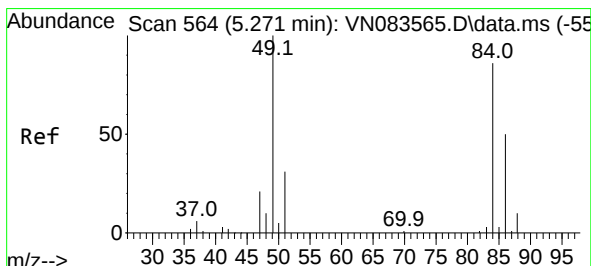
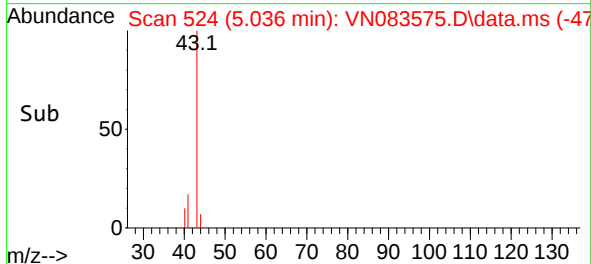
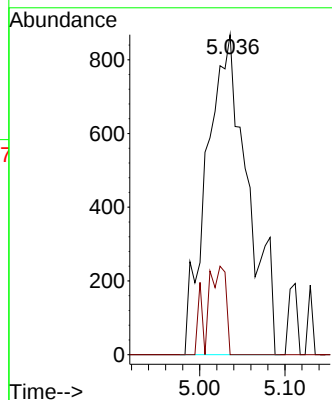
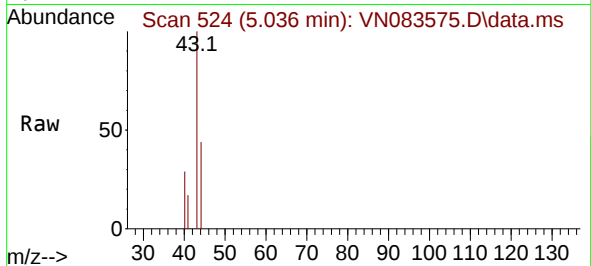




#18  
Methyl Acetate  
Concen: 1.297 ug/l  
RT: 5.036 min Scan# 51  
Delta R.T. 0.012 min  
Lab File: VN083575.D  
Acq: 30 Aug 2024 15:09

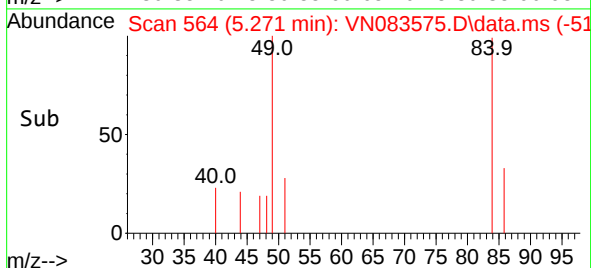
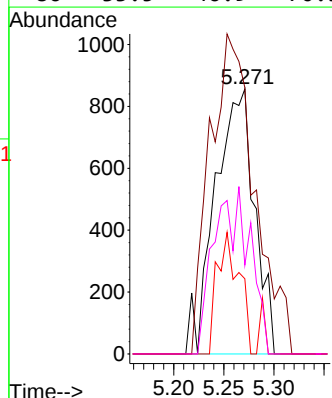
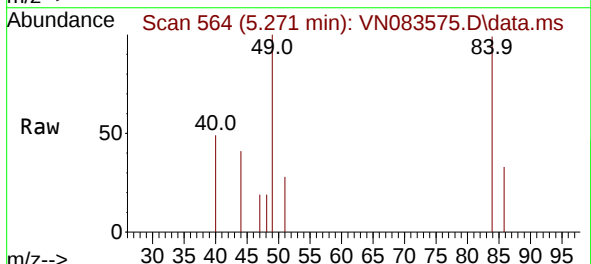
Instrument :  
MSVOA\_N  
ClientSampleId :

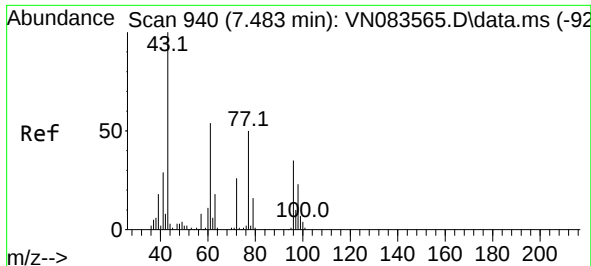
Tgt Ion: 43 Resp: 2891  
Ion Ratio Lower Upper  
43 100  
74 13.0 19.0 28.4#



#20  
Methylene Chloride  
Concen: 1.265 ug/l  
RT: 5.271 min Scan# 564  
Delta R.T. -0.000 min  
Lab File: VN083575.D  
Acq: 30 Aug 2024 15:09

Tgt Ion: 84 Resp: 2342  
Ion Ratio Lower Upper  
84 100  
49 100.6 93.4 140.0  
51 28.4 29.2 43.8#  
86 33.5 46.9 70.3#

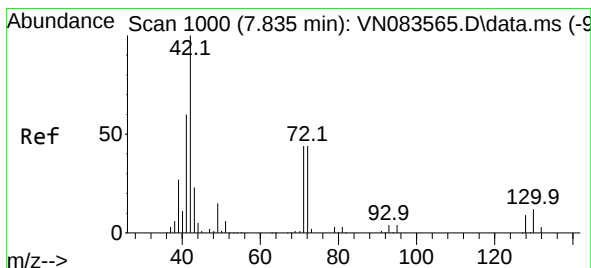
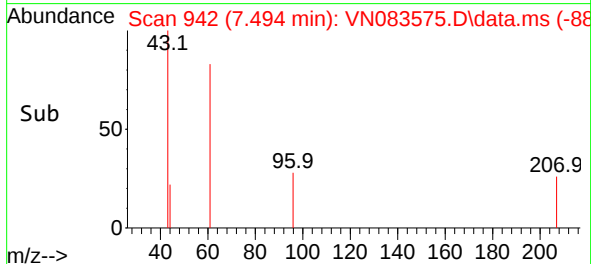
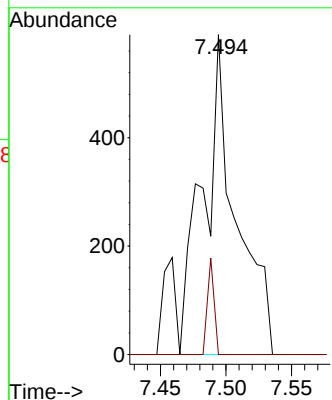
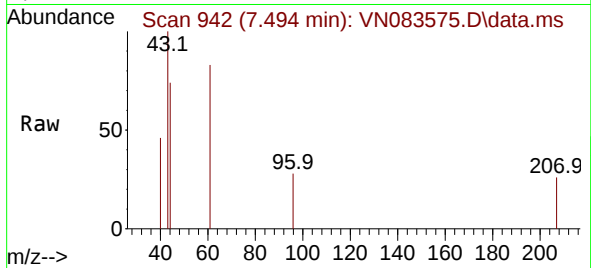




#25  
2-Butanone  
Concen: 0.900 ug/l  
RT: 7.494 min Scan# 94  
Delta R.T. 0.012 min  
Lab File: VN083575.D  
Acq: 30 Aug 2024 15:09

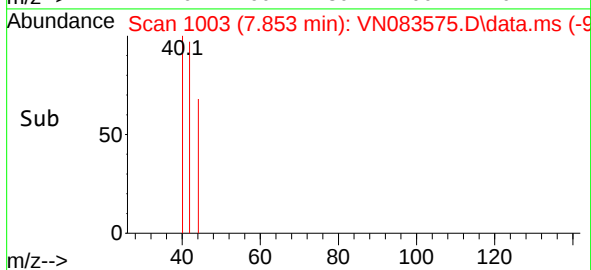
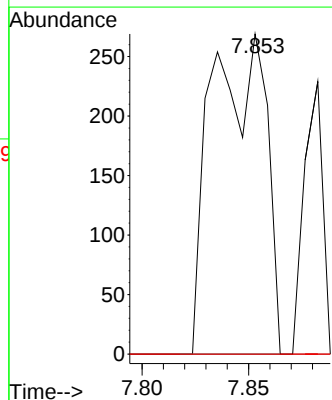
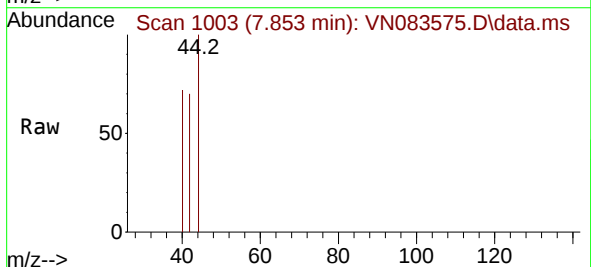
Instrument :  
MSVOA\_N  
ClientSampleId :

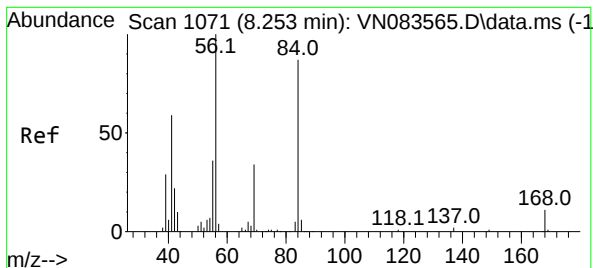
Tgt Ion: 43 Resp: 1027  
Ion Ratio Lower Upper  
43 100  
72 0.0 20.8 31.2#



#29  
Tetrahydrofuran  
Concen: 0.674 ug/l  
RT: 7.853 min Scan# 1003  
Delta R.T. 0.018 min  
Lab File: VN083575.D  
Acq: 30 Aug 2024 15:09

Tgt Ion: 42 Resp: 477  
Ion Ratio Lower Upper  
42 100  
72 0.0 35.9 53.9#  
71 0.0 33.9 50.9#





#31

Cyclohexane

Concen: 1.302 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.035 min

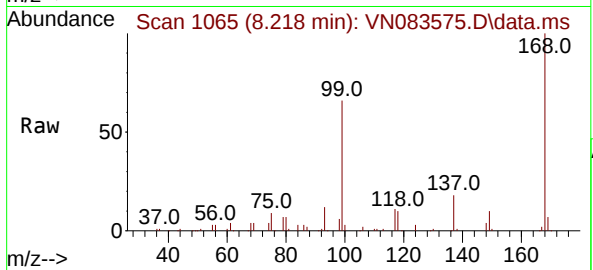
Lab File: VN083575.D

Acq: 30 Aug 2024 15:09

Instrument :

MSVOA\_N

ClientSampleId :



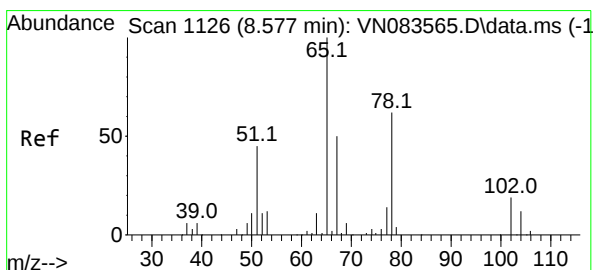
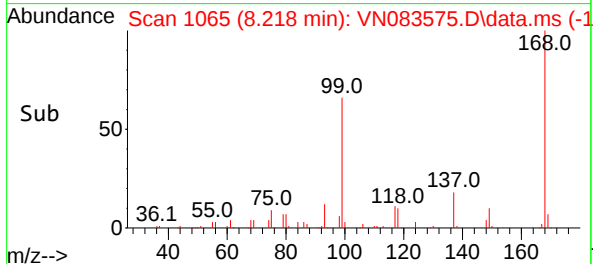
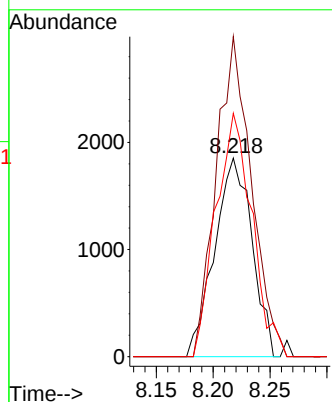
Tgt Ion: 56 Resp: 4235

Ion Ratio Lower Upper

56 100

69 161.2 26.9 40.3#

84 122.6 69.2 103.8#



#33

1,2-Dichloroethane-d4

Concen: 51.489 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN083575.D

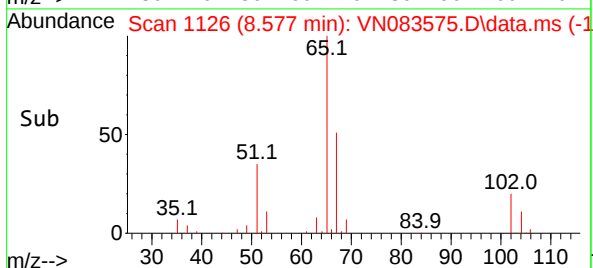
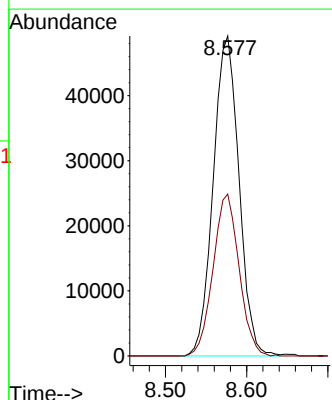
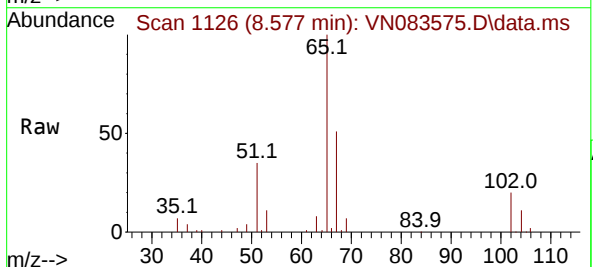
Acq: 30 Aug 2024 15:09

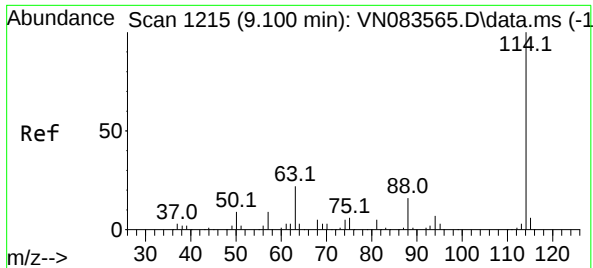
Tgt Ion: 65 Resp: 108257

Ion Ratio Lower Upper

65 100

67 51.1 0.0 100.8

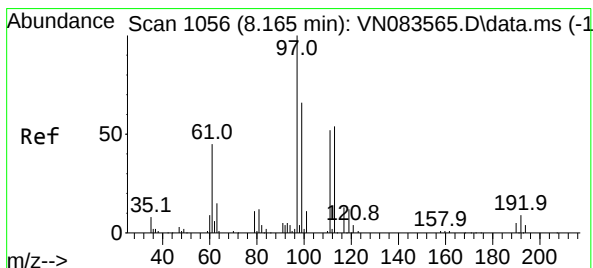
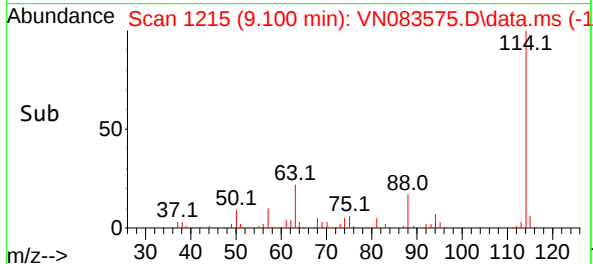
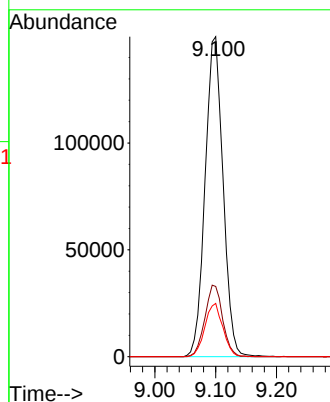
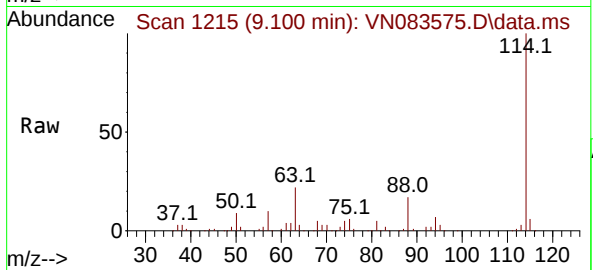




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.100 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN083575.D  
Acq: 30 Aug 2024 15:09

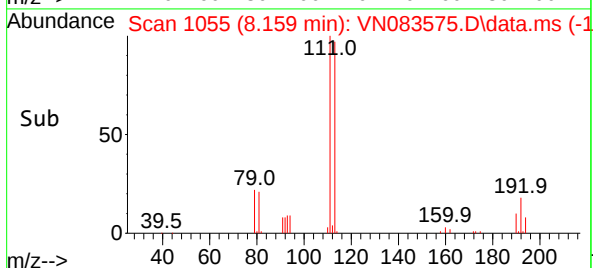
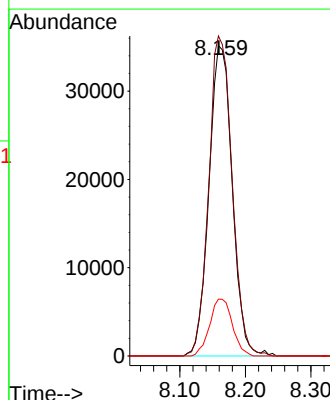
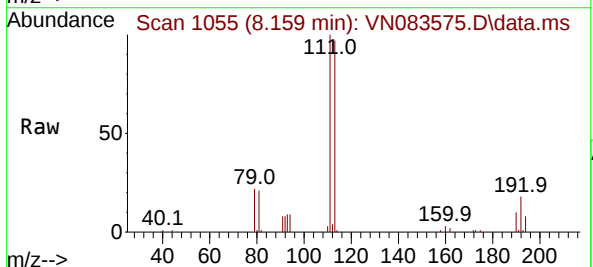
Instrument :  
MSVOA\_N  
ClientSampleId :

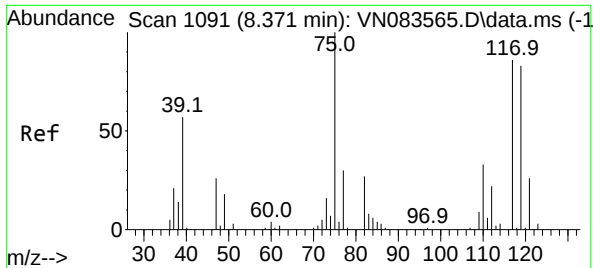
Tgt Ion:114 Resp: 306739  
Ion Ratio Lower Upper  
114 100  
63 21.9 0.0 43.4  
88 16.6 0.0 32.6



#35  
Dibromofluoromethane  
Concen: 46.942 ug/l  
RT: 8.159 min Scan# 1055  
Delta R.T. -0.006 min  
Lab File: VN083575.D  
Acq: 30 Aug 2024 15:09

Tgt Ion:113 Resp: 86664  
Ion Ratio Lower Upper  
113 100  
111 103.4 82.6 124.0  
192 17.9 14.3 21.5





#36

1,1-Dichloropropene

Concen: 0.234 ug/l

RT: 8.371 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN083575.D

Acq: 30 Aug 2024 15:09

Instrument :

MSVOA\_N

ClientSampleId :

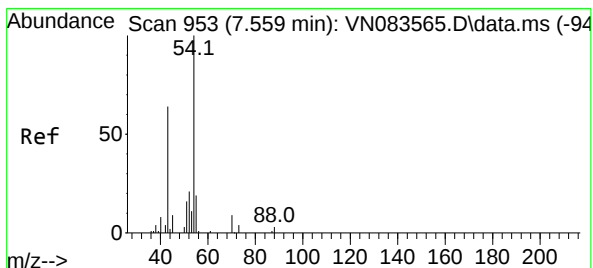
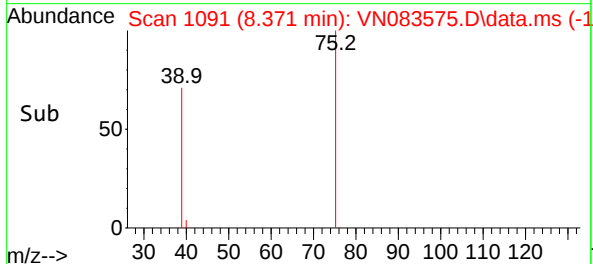
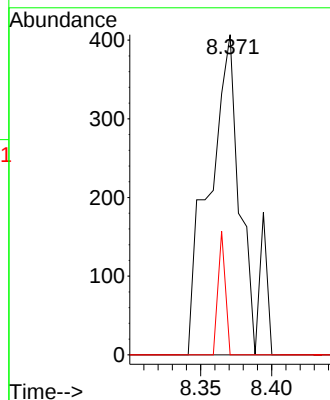
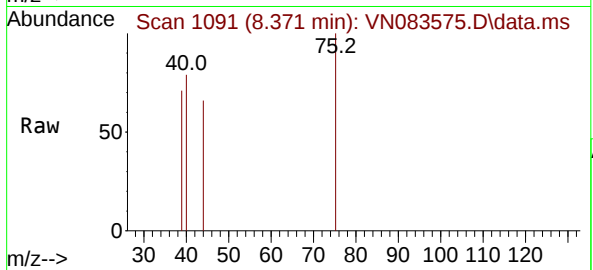
Tgt Ion: 75 Resp: 659

Ion Ratio Lower Upper

75 100

110 0.0 16.7 50.1#

77 8.3 25.2 37.8#



#37

Ethyl Acetate

Concen: 0.366 ug/l

RT: 7.494 min Scan# 942

Delta R.T. -0.065 min

Lab File: VN083575.D

Acq: 30 Aug 2024 15:09

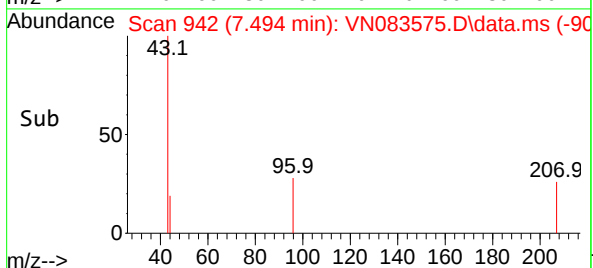
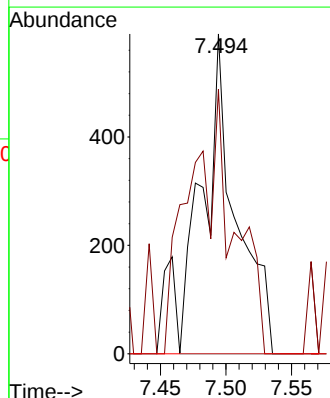
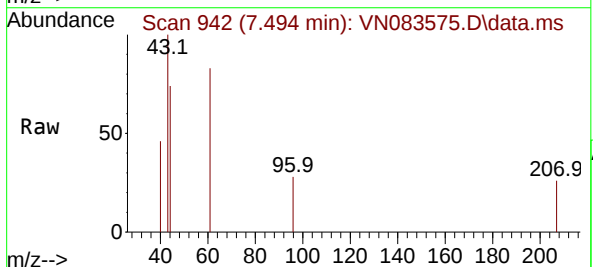
Tgt Ion: 43 Resp: 1027

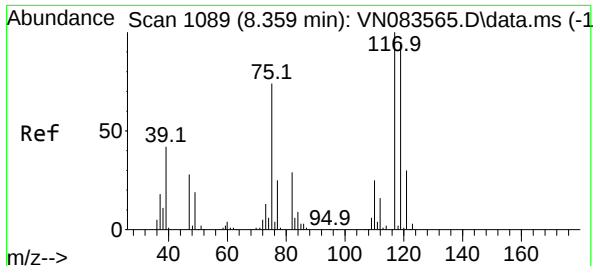
Ion Ratio Lower Upper

43 100

61 58.7 11.1 16.7#

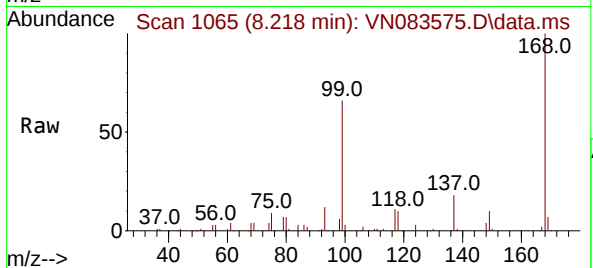
70 0.0 8.8 13.2#



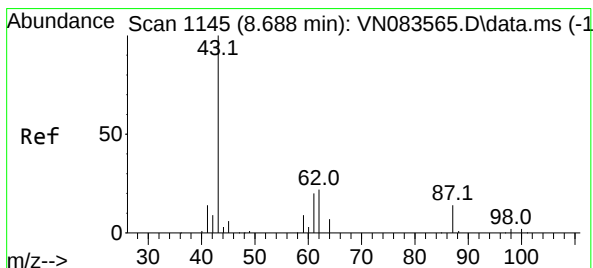
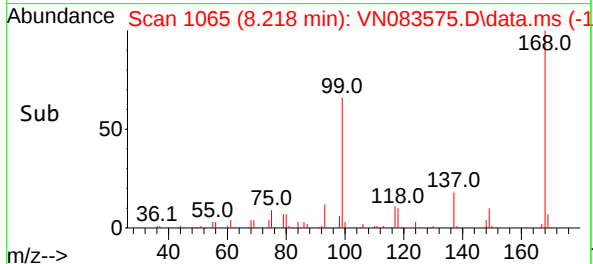
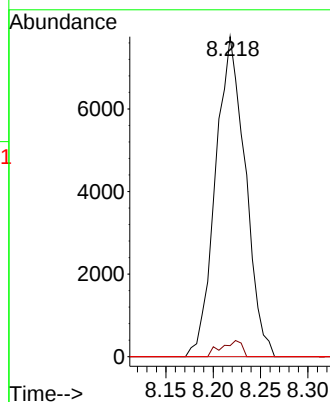


#38  
Carbon Tetrachloride  
Concen: 5.280 ug/l  
RT: 8.218 min Scan# 1139  
Delta R.T. -0.141 min  
Lab File: VN083575.D  
Acq: 30 Aug 2024 15:09

Instrument :  
MSVOA\_N  
ClientSampleId :

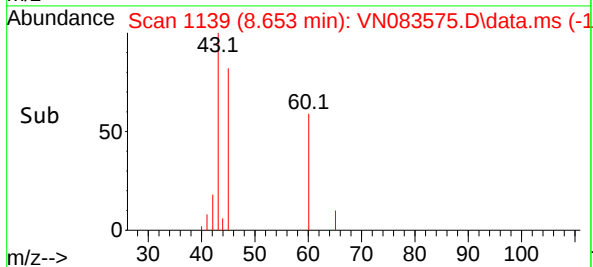
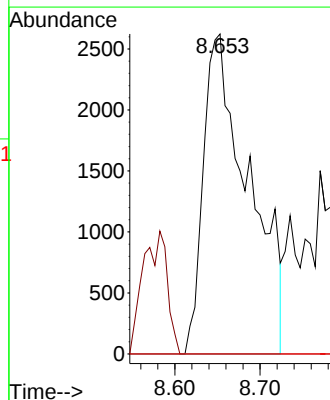
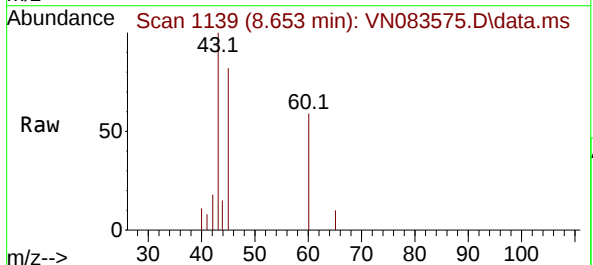


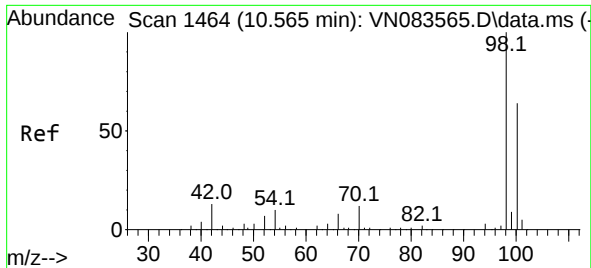
Tgt Ion:117 Resp: 16964  
Ion Ratio Lower Upper  
117 100  
119 3.4 76.1 114.1#  
121 0.0 24.1 36.1#



#43  
Isopropyl Acetate  
Concen: 0.550 ug/l  
RT: 8.653 min Scan# 1139  
Delta R.T. -0.035 min  
Lab File: VN083575.D  
Acq: 30 Aug 2024 15:09

Tgt Ion: 43 Resp: 9658  
Ion Ratio Lower Upper  
43 100  
61 0.0 19.4 29.0#  
87 0.0 9.8 14.6#

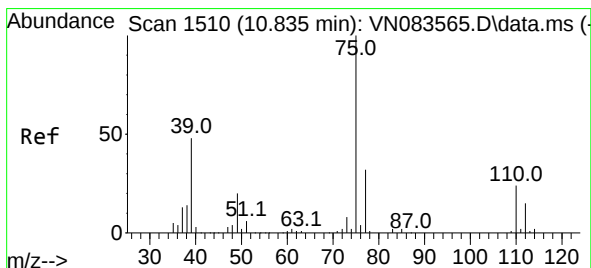
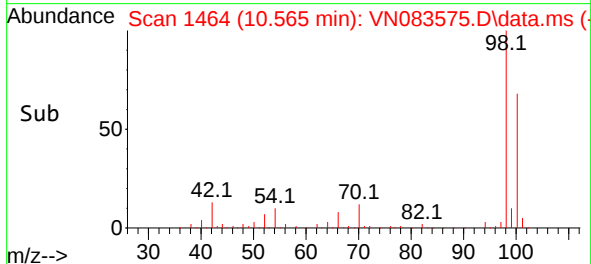
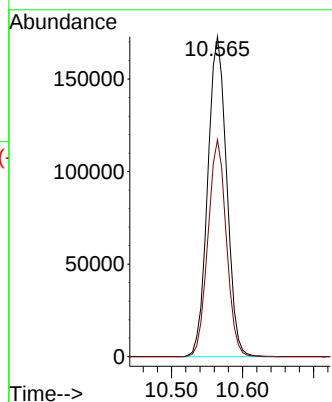
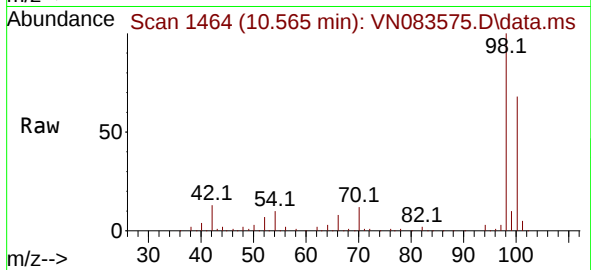




#50  
Toluene-d8  
Concen: 44.626 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. -0.000 min  
Lab File: VN083575.D  
Acq: 30 Aug 2024 15:09

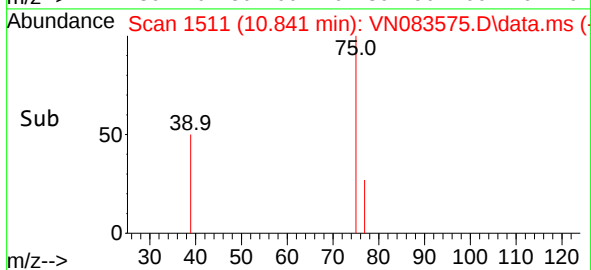
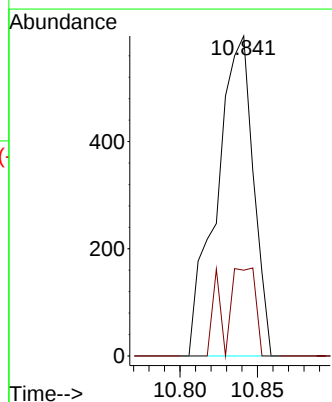
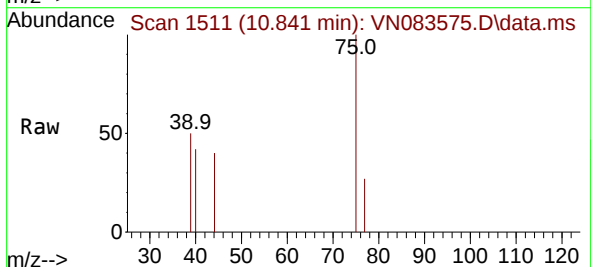
Instrument :  
MSVOA\_N  
ClientSampleId :

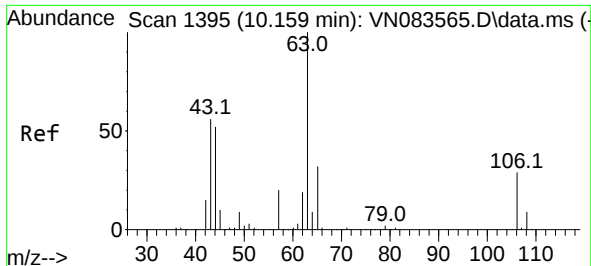
Tgt Ion: 98 Resp: 320293  
Ion Ratio Lower Upper  
98 100  
100 65.9 52.0 78.0



#53  
t-1,3-Dichloropropene  
Concen: 0.300 ug/l  
RT: 10.841 min Scan# 1511  
Delta R.T. 0.006 min  
Lab File: VN083575.D  
Acq: 30 Aug 2024 15:09

Tgt Ion: 75 Resp: 983  
Ion Ratio Lower Upper  
75 100  
77 26.8 25.8 38.6

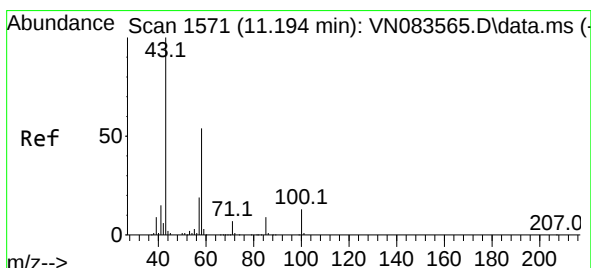
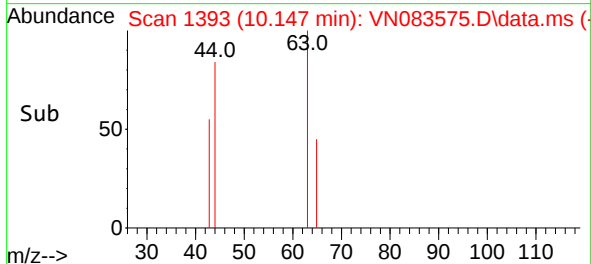
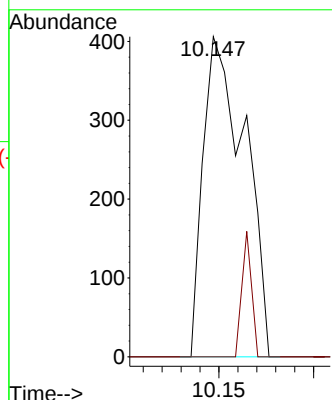
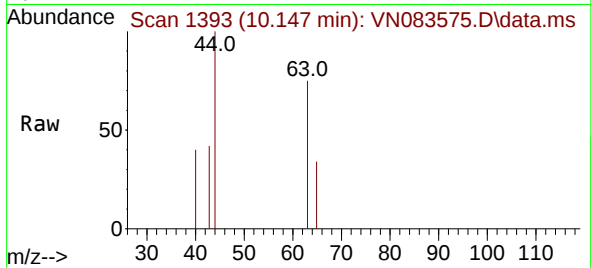




#58  
2-Chloroethyl Vinyl ether  
Concen: 0.446 ug/l  
RT: 10.147 min Scan# 1393  
Delta R.T. -0.012 min  
Lab File: VN083575.D  
Acq: 30 Aug 2024 15:09

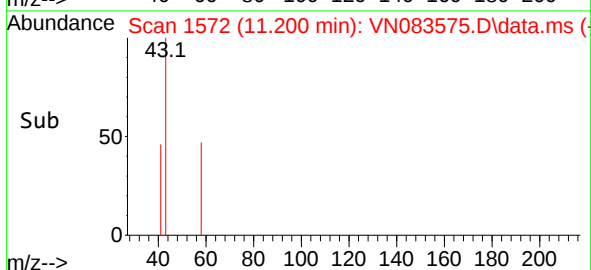
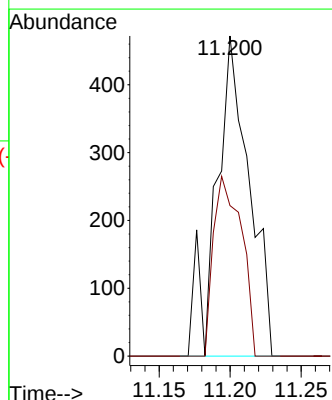
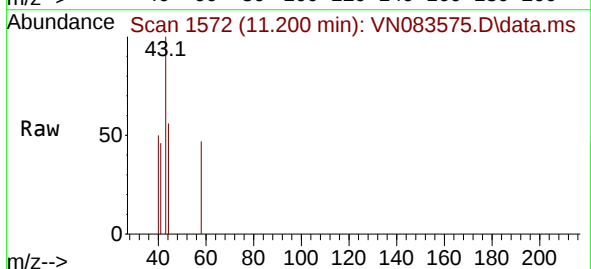
Instrument :  
MSVOA\_N  
ClientSampleId :

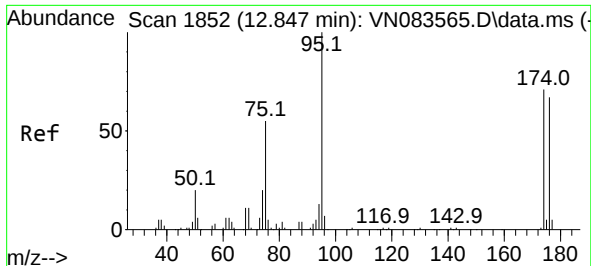
Tgt Ion: 63 Resp: 620  
Ion Ratio Lower Upper  
63 100  
106 9.0 23.3 34.9#



#59  
2-Hexanone  
Concen: 0.395 ug/l  
RT: 11.200 min Scan# 1572  
Delta R.T. 0.006 min  
Lab File: VN083575.D  
Acq: 30 Aug 2024 15:09

Tgt Ion: 43 Resp: 772  
Ion Ratio Lower Upper  
43 100  
58 47.2 27.2 81.5

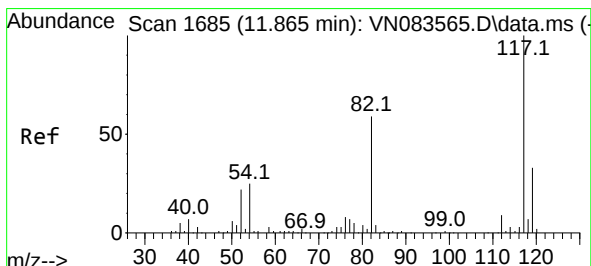
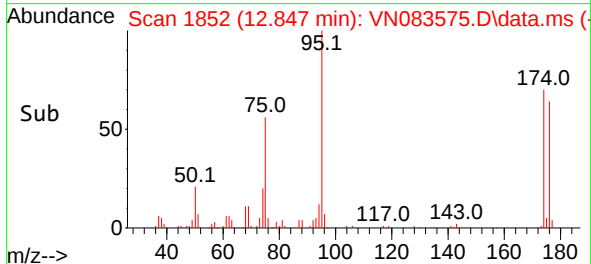
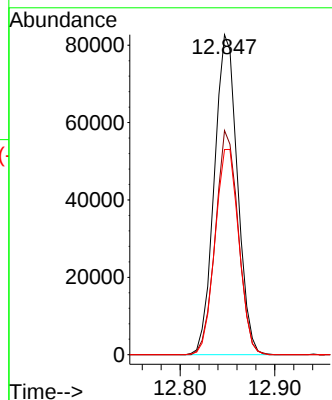
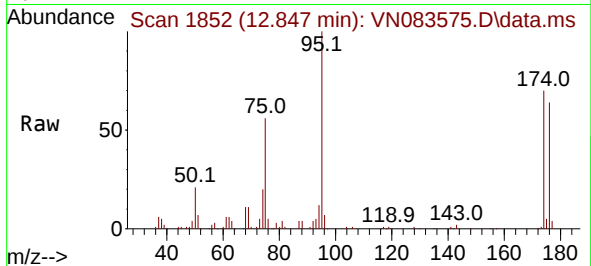




#62  
4-Bromofluorobenzene  
Concen: 52.714 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN083575.D  
Acq: 30 Aug 2024 15:09

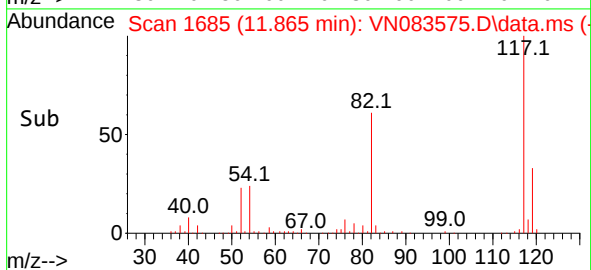
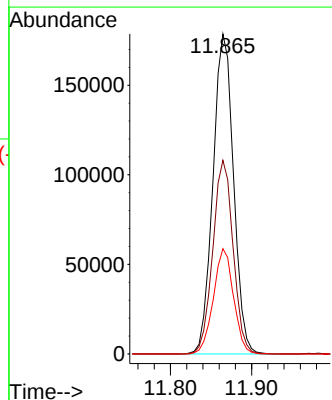
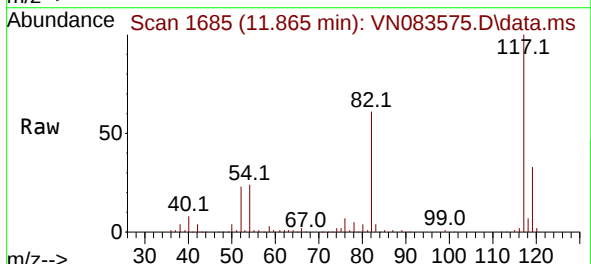
Instrument :  
MSVOA\_N  
ClientSampleId :

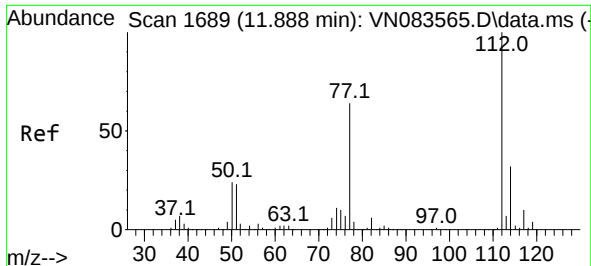
Tgt Ion: 95 Resp: 140391  
Ion Ratio Lower Upper  
95 100  
174 69.0 0.0 139.8  
176 66.3 0.0 131.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1685  
Delta R.T. -0.000 min  
Lab File: VN083575.D  
Acq: 30 Aug 2024 15:09

Tgt Ion: 117 Resp: 314592  
Ion Ratio Lower Upper  
117 100  
82 60.5 47.4 71.0  
119 32.9 26.3 39.5

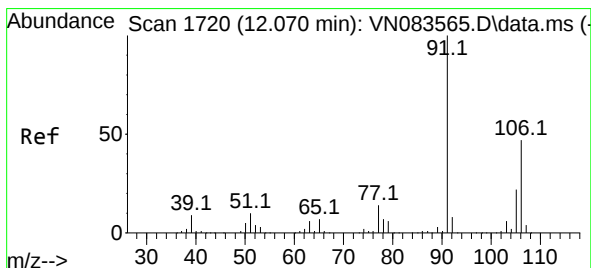
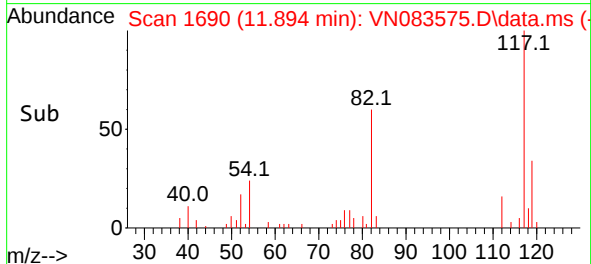
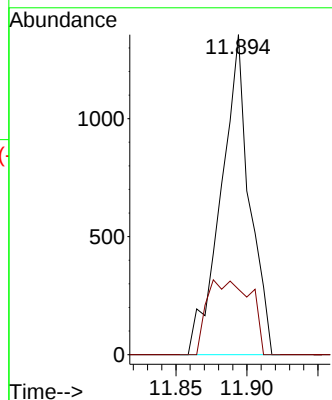
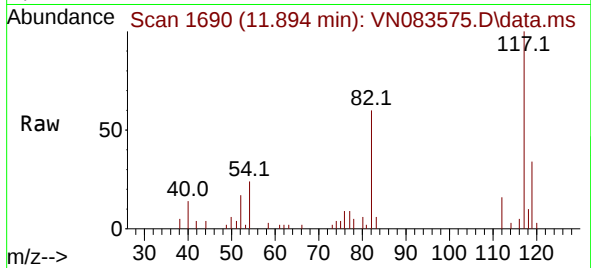




#65  
Chlorobenzene  
Concen: 0.268 ug/l  
RT: 11.894 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN083575.D  
Acq: 30 Aug 2024 15:09

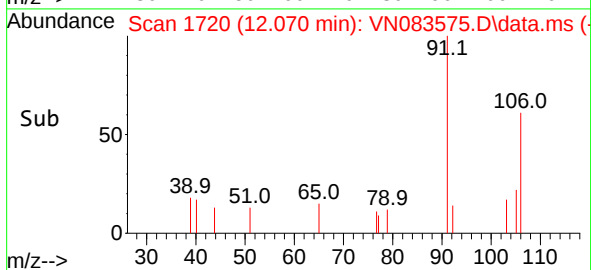
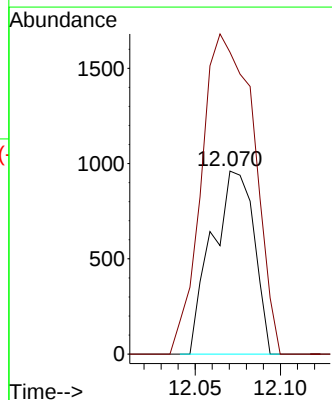
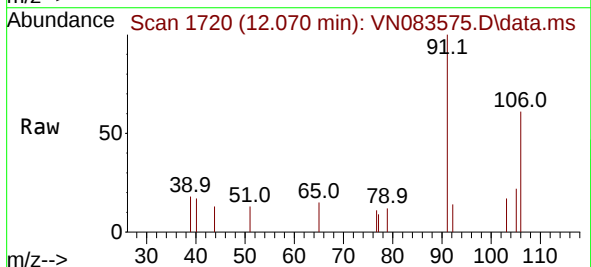
Instrument :  
MSVOA\_N  
ClientSampleId :

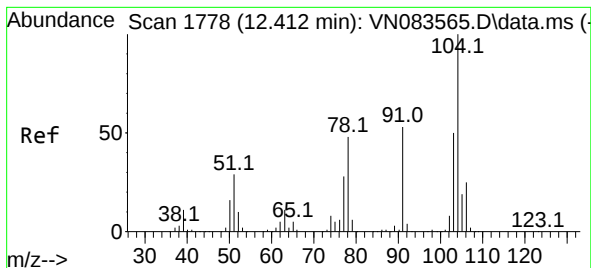
Tgt Ion:112 Resp: 1890  
Ion Ratio Lower Upper  
112 100  
114 20.4 25.7 38.5#



#68  
m/p-Xylenes  
Concen: 0.347 ug/l  
RT: 12.070 min Scan# 1720  
Delta R.T. -0.000 min  
Lab File: VN083575.D  
Acq: 30 Aug 2024 15:09

Tgt Ion:106 Resp: 1647  
Ion Ratio Lower Upper  
106 100  
91 216.7 169.2 253.8





#70

Styrene

Concen: 0.305 ug/l

RT: 12.412 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN083575.D

Acq: 30 Aug 2024 15:09

Instrument :

MSVOA\_N

ClientSampleId :

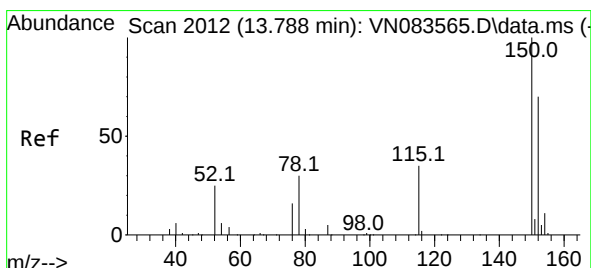
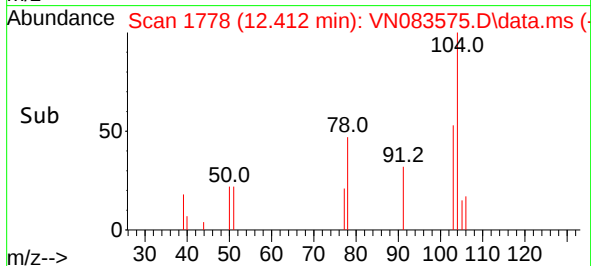
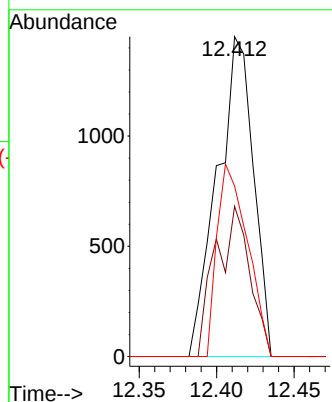
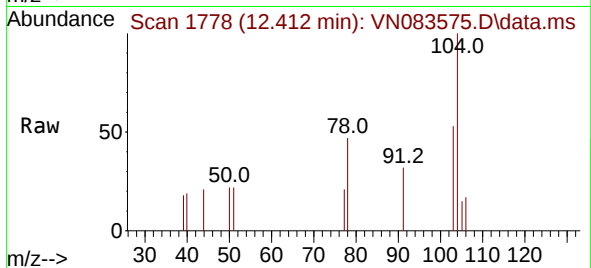
Tgt Ion:104 Resp: 2349

Ion Ratio Lower Upper

104 100

78 44.6 43.3 64.9

103 50.9 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: VN083575.D

Acq: 30 Aug 2024 15:09

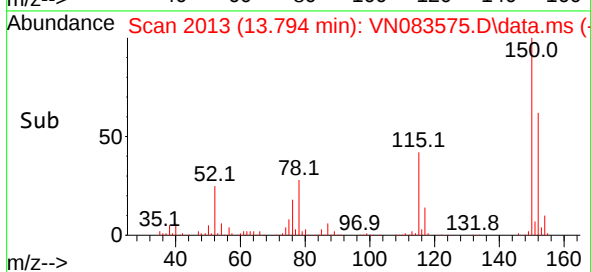
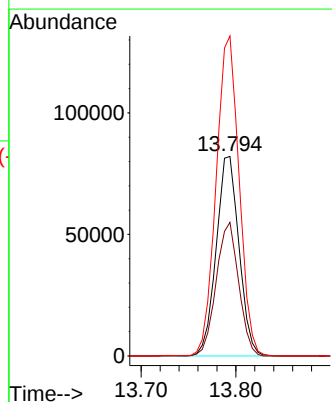
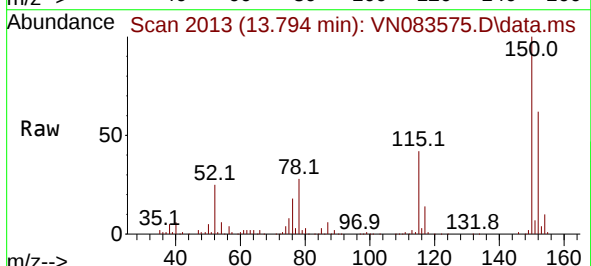
Tgt Ion:152 Resp: 137440

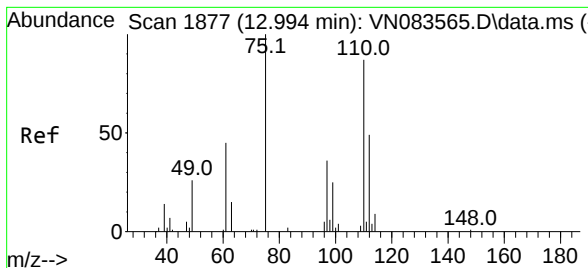
Ion Ratio Lower Upper

152 100

115 66.1 32.2 96.6

150 161.5 0.0 348.6





#76

1,2,3-Trichloropropane

Concen: 27.365 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN083575.D

Acq: 30 Aug 2024 15:09

Instrument :

MSVOA\_N

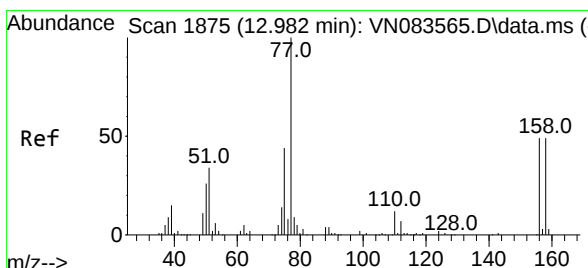
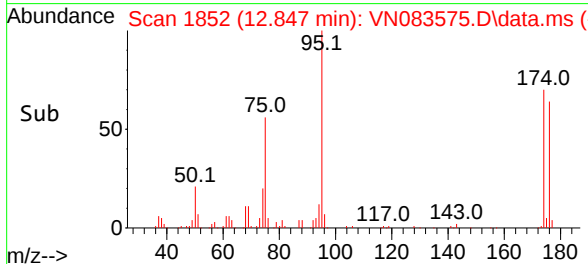
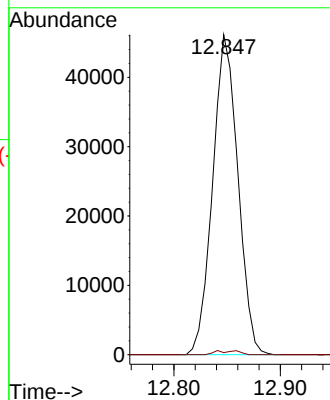
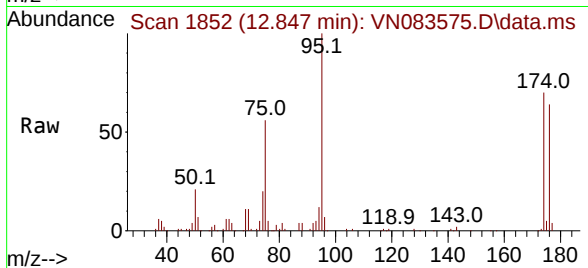
ClientSampleId :

Tgt Ion: 75 Resp: 75935

Ion Ratio Lower Upper

75 100

77 0.5 95.2 285.6#



#77

Bromobenzene

Concen: 0.405 ug/l

RT: 12.982 min Scan# 1875

Delta R.T. -0.000 min

Lab File: VN083575.D

Acq: 30 Aug 2024 15:09

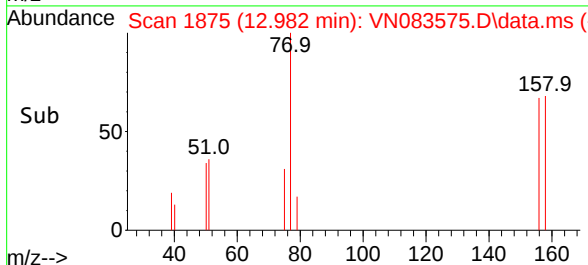
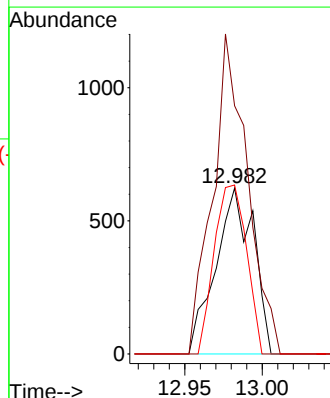
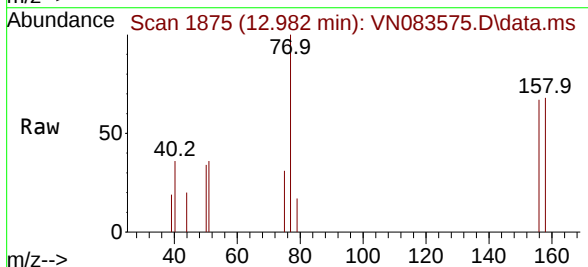
Tgt Ion:156 Resp: 1058

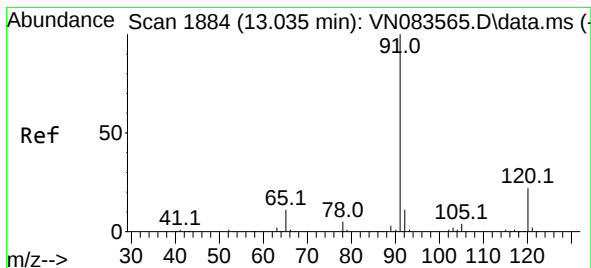
Ion Ratio Lower Upper

156 100

77 177.3 114.3 343.1

158 87.0 48.9 146.7





#78

n-propylbenzene

Concen: 0.332 ug/l

RT: 13.035 min Scan# 1884

Delta R.T. -0.000 min

Lab File: VN083575.D

Acq: 30 Aug 2024 15:09

Instrument :

MSVOA\_N

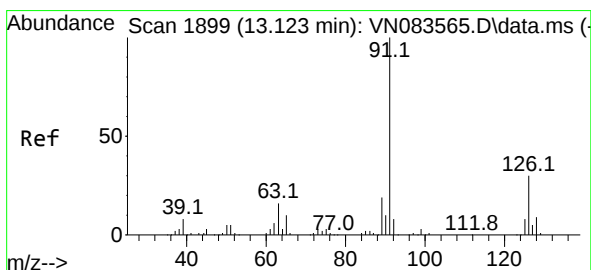
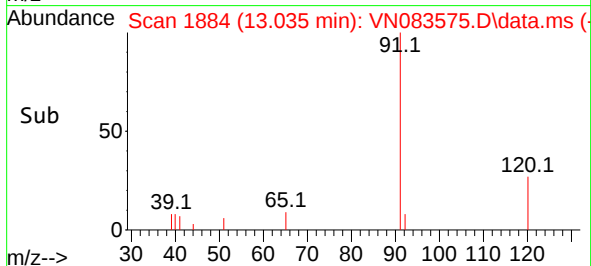
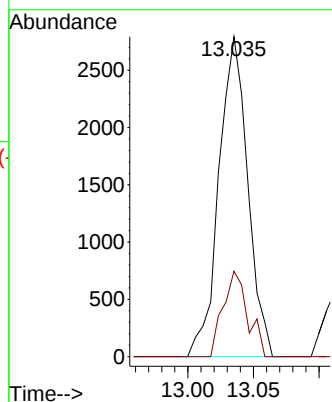
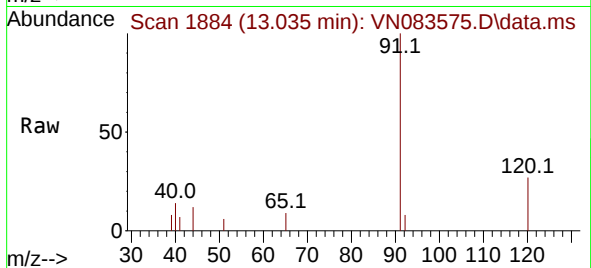
ClientSampleId :

Tgt Ion: 91 Resp: 4272

Ion Ratio Lower Upper

91 100

120 22.7 11.0 33.0



#79

2-Chlorotoluene

Concen: 0.308 ug/l

RT: 13.123 min Scan# 1899

Delta R.T. -0.000 min

Lab File: VN083575.D

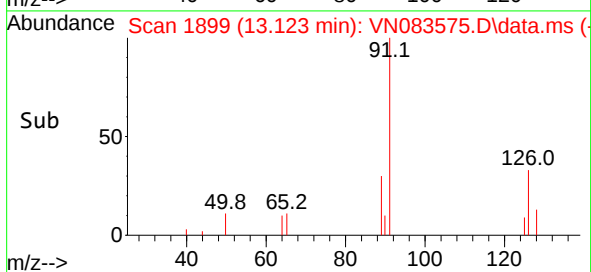
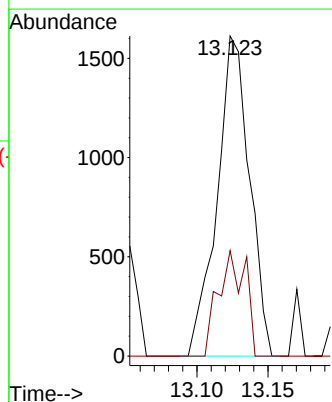
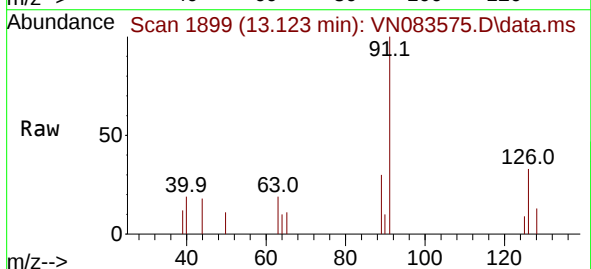
Acq: 30 Aug 2024 15:09

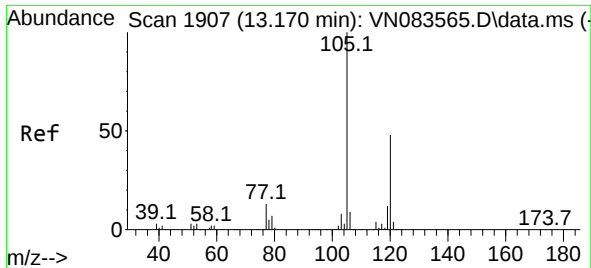
Tgt Ion: 91 Resp: 2566

Ion Ratio Lower Upper

91 100

126 27.2 15.4 46.2

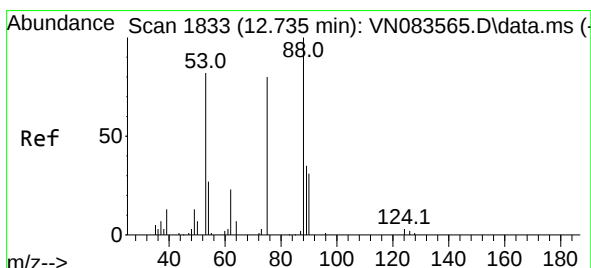
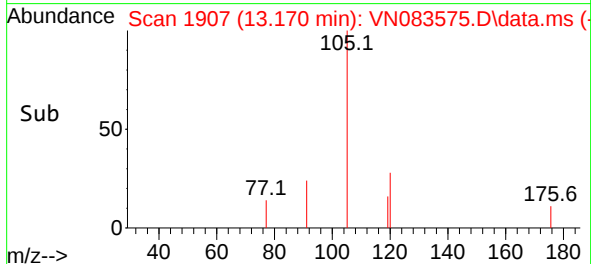
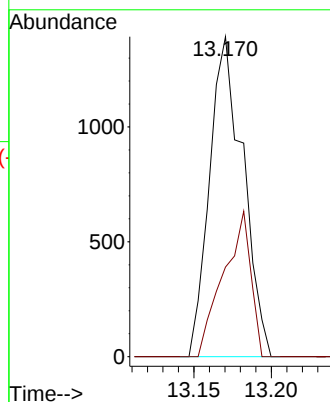
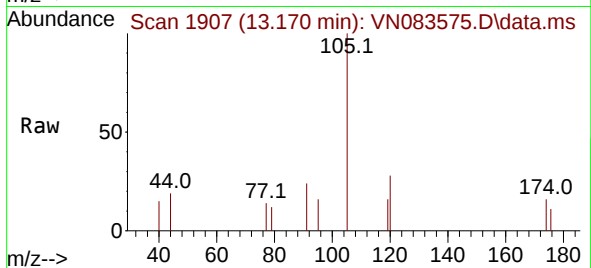




#80  
1,3,5-Trimethylbenzene  
Concen: 0.222 ug/l  
RT: 13.170 min Scan# 1907  
Delta R.T. -0.000 min  
Lab File: VN083575.D  
Acq: 30 Aug 2024 15:09

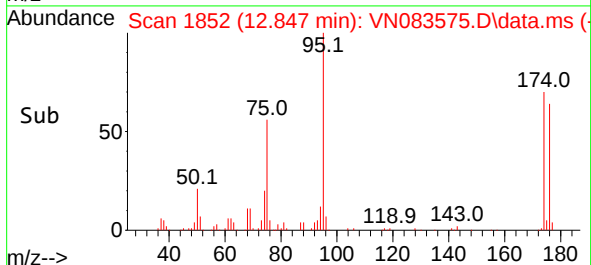
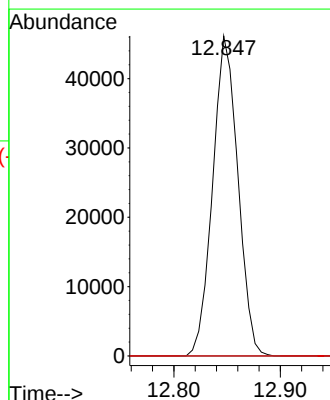
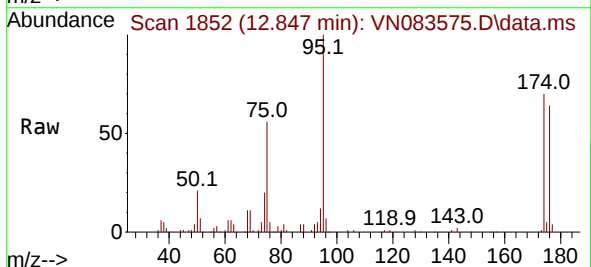
Instrument :  
MSVOA\_N  
ClientSampleId :

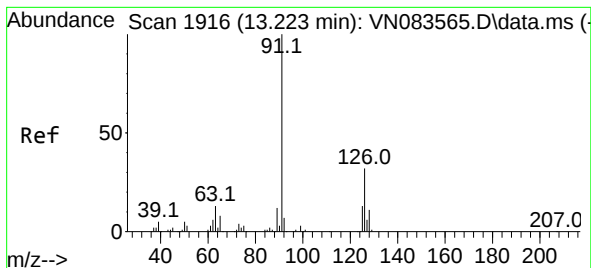
Tgt Ion:105 Resp: 2084  
Ion Ratio Lower Upper  
105 100  
120 37.3 23.4 70.3



#81  
trans-1,4-Dichloro-2-butene  
Concen: 64.543 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.112 min  
Lab File: VN083575.D  
Acq: 30 Aug 2024 15:09

Tgt Ion: 75 Resp: 75935  
Ion Ratio Lower Upper  
75 100  
53 0.0 81.2 121.8#  
89 0.0 35.7 53.5#

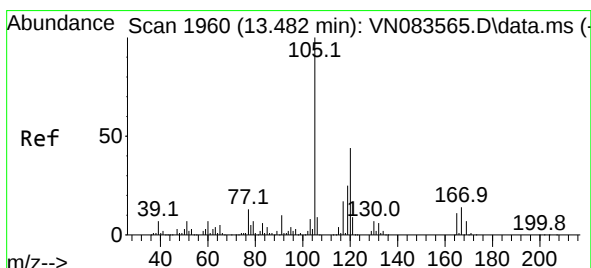
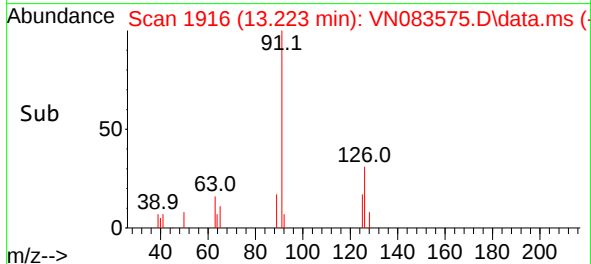
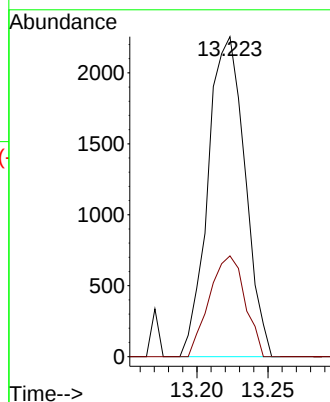
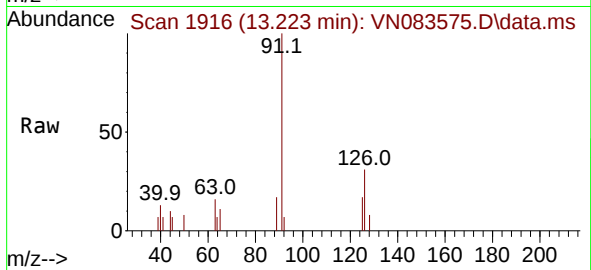




#82  
4-Chlorotoluene  
Concen: 0.481 ug/l  
RT: 13.223 min Scan# 1916  
Delta R.T. -0.000 min  
Lab File: VN083575.D  
Acq: 30 Aug 2024 15:09

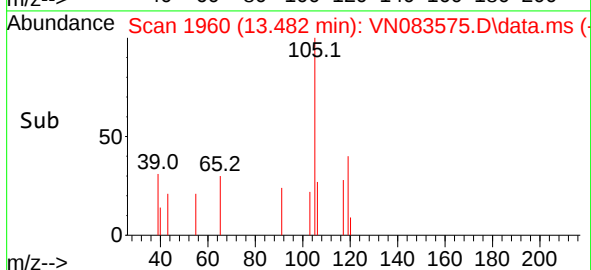
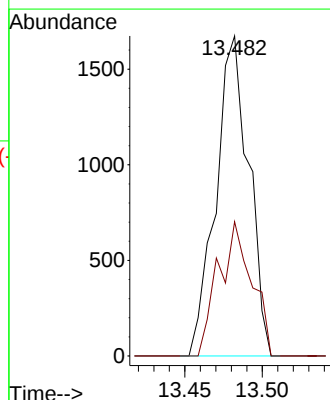
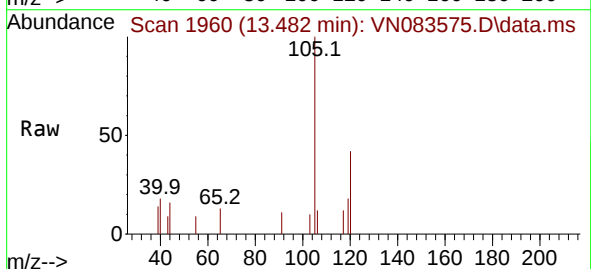
Instrument :  
MSVOA\_N  
ClientSampleId :

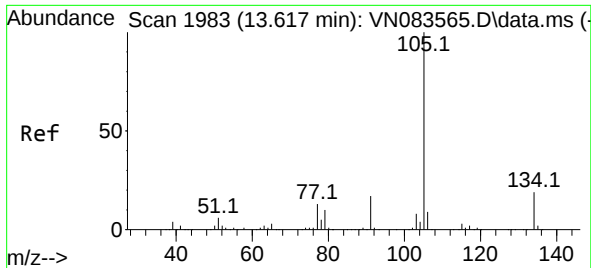
Tgt Ion: 91 Resp: 4074  
Ion Ratio Lower Upper  
91 100  
126 30.4 15.4 46.2



#84  
1,2,4-Trimethylbenzene  
Concen: 0.262 ug/l  
RT: 13.482 min Scan# 1960  
Delta R.T. -0.000 min  
Lab File: VN083575.D  
Acq: 30 Aug 2024 15:09

Tgt Ion: 105 Resp: 2467  
Ion Ratio Lower Upper  
105 100  
120 42.6 21.8 65.4

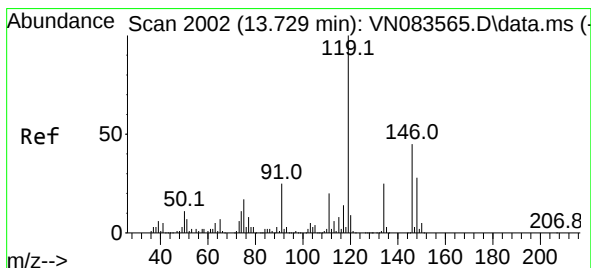
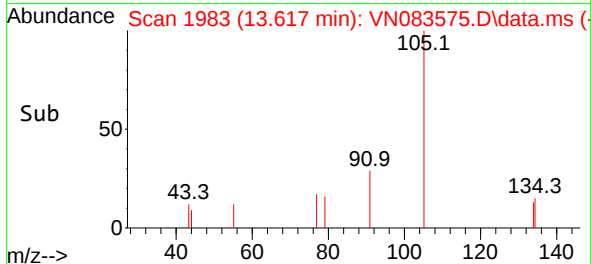
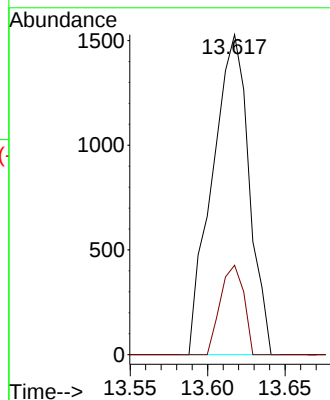
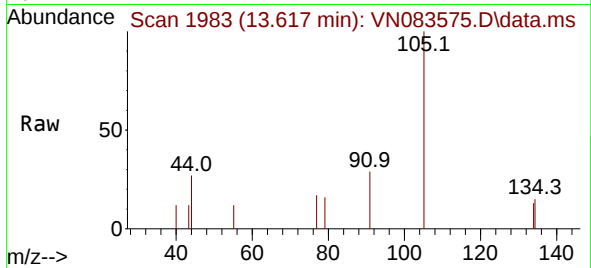




#85  
 sec-Butylbenzene  
 Concen: 0.228 ug/l  
 RT: 13.617 min Scan# 1983  
 Delta R.T. -0.000 min  
 Lab File: VN083575.D  
 Acq: 30 Aug 2024 15:09

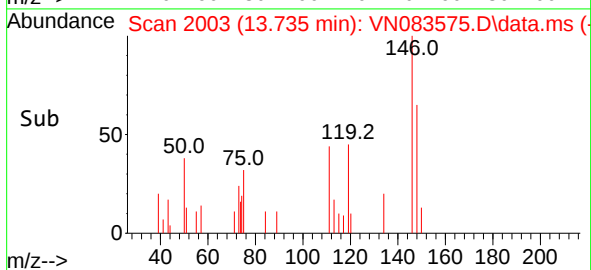
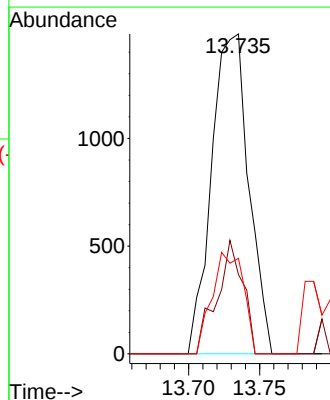
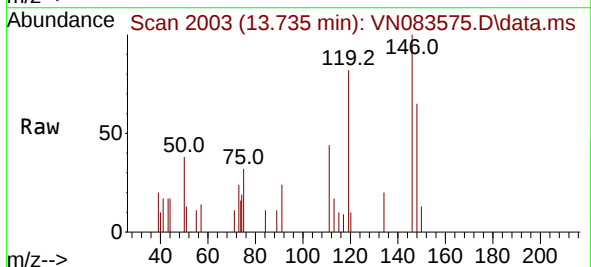
Instrument :  
 MSVOA\_N  
 ClientSampleId :

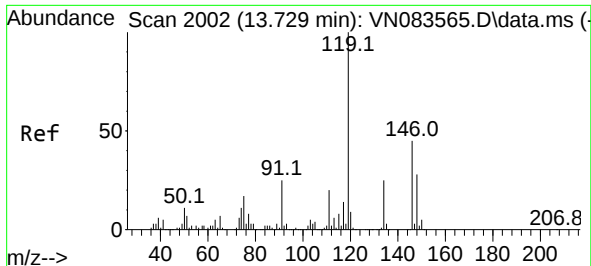
Tgt Ion:105 Resp: 2524  
 Ion Ratio Lower Upper  
 105 100  
 134 17.7 9.7 29.1



#86  
 p-Isopropyltoluene  
 Concen: 0.293 ug/l  
 RT: 13.735 min Scan# 2003  
 Delta R.T. 0.006 min  
 Lab File: VN083575.D  
 Acq: 30 Aug 2024 15:09

Tgt Ion:119 Resp: 2707  
 Ion Ratio Lower Upper  
 119 100  
 134 24.8 12.8 38.3  
 91 26.6 12.9 38.7





#87

1,3-Dichlorobenzene

Concen: 0.549 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. 0.006 min

Lab File: VN083575.D

Acq: 30 Aug 2024 15:09

Instrument :

MSVOA\_N

ClientSampleId :

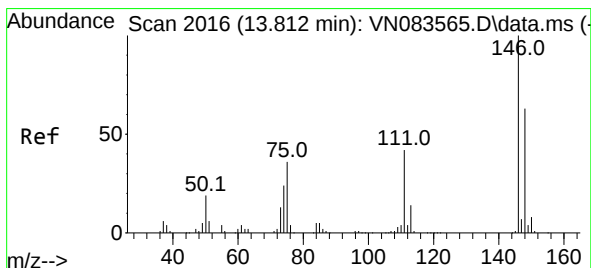
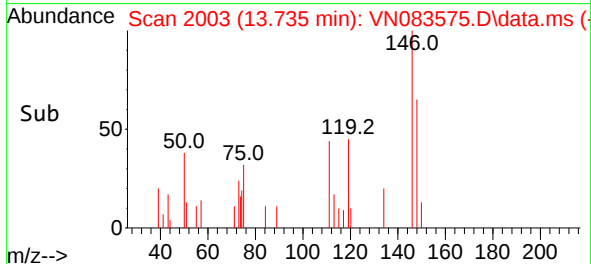
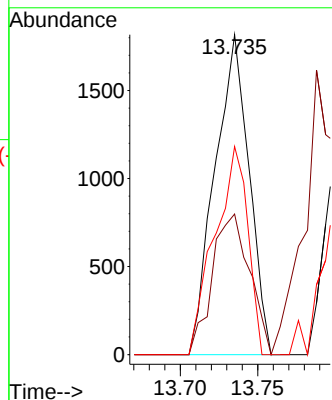
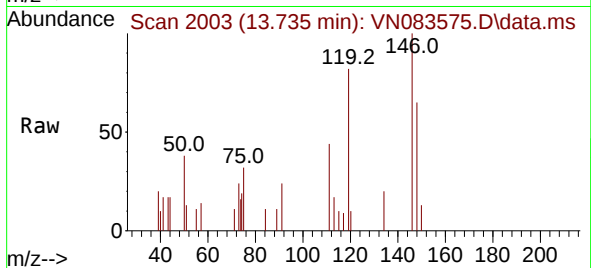
Tgt Ion:146 Resp: 2780

Ion Ratio Lower Upper

146 100

111 48.1 21.7 65.1

148 63.1 31.7 95.1



#88

1,4-Dichlorobenzene

Concen: 0.534 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. -0.077 min

Lab File: VN083575.D

Acq: 30 Aug 2024 15:09

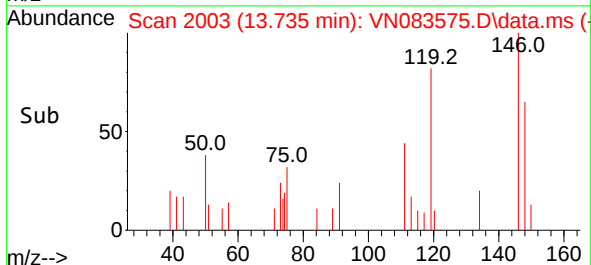
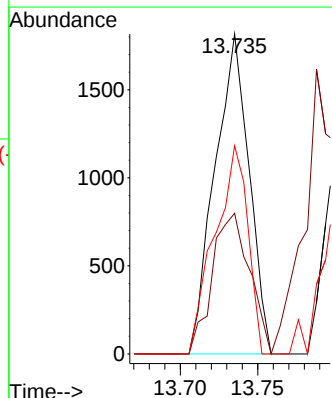
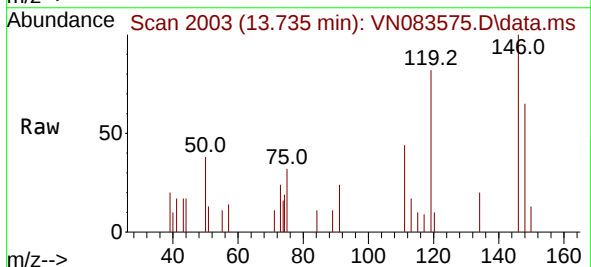
Tgt Ion:146 Resp: 2780

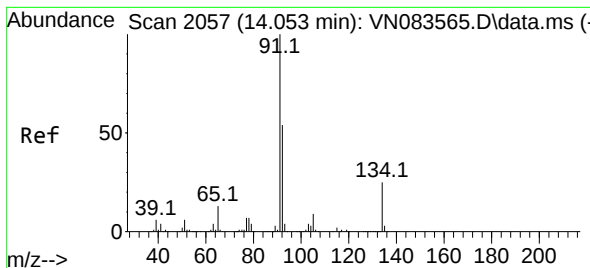
Ion Ratio Lower Upper

146 100

111 48.1 21.3 64.0

148 63.1 32.0 96.2





#89

n-Butylbenzene

Concen: 0.500 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. -0.000 min

Lab File: VN083575.D

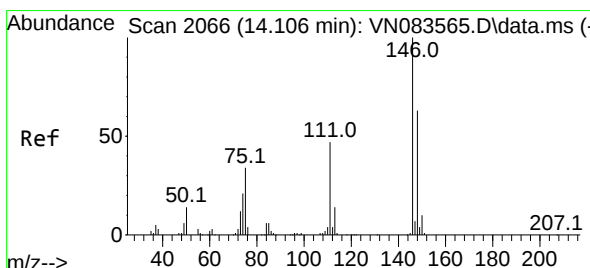
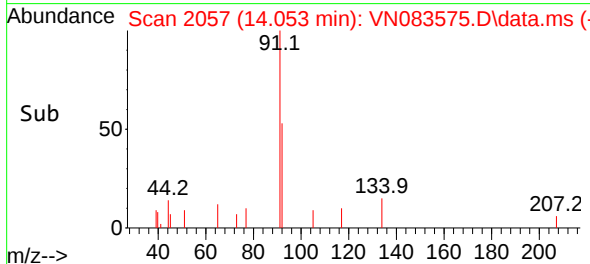
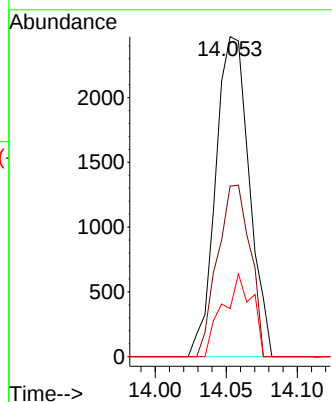
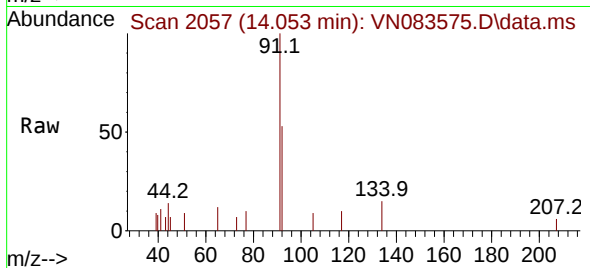
Acq: 30 Aug 2024 15:09

Instrument :

MSVOA\_N

ClientSampleId :

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 91 | Resp: | 4065        |
| Ion         | Ratio | Lower Upper |
| 91          | 100   |             |
| 92          | 52.1  | 26.7 80.1   |
| 134         | 22.5  | 12.2 36.4   |



#91

1,2-Dichlorobenzene

Concen: 0.527 ug/l

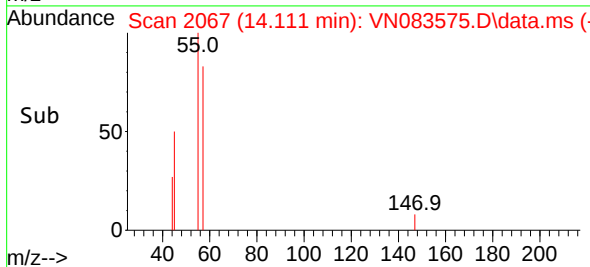
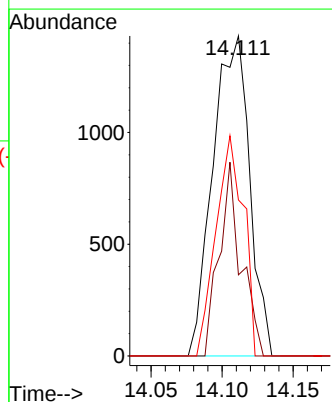
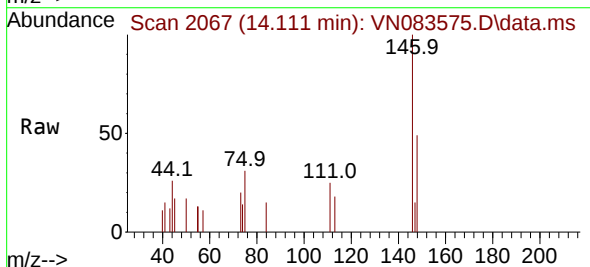
RT: 14.111 min Scan# 2067

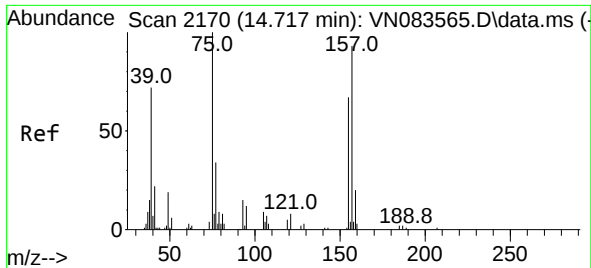
Delta R.T. 0.006 min

Lab File: VN083575.D

Acq: 30 Aug 2024 15:09

|              |       |             |
|--------------|-------|-------------|
| Tgt Ion: 146 | Resp: | 2570        |
| Ion          | Ratio | Lower Upper |
| 146          | 100   |             |
| 111          | 36.1  | 22.8 68.3   |
| 148          | 51.8  | 32.1 96.5   |

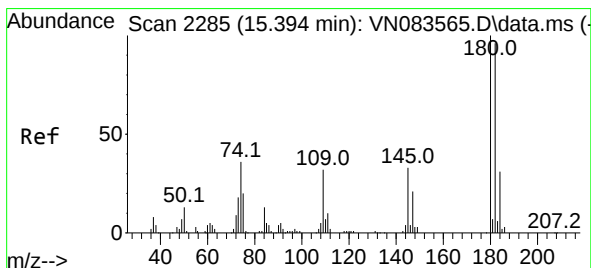
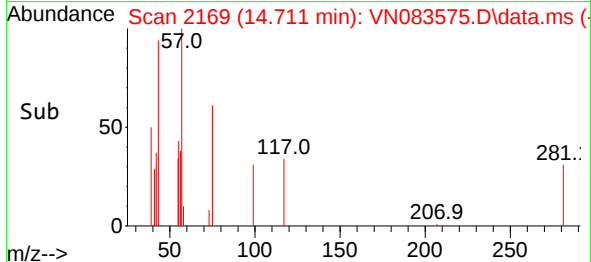
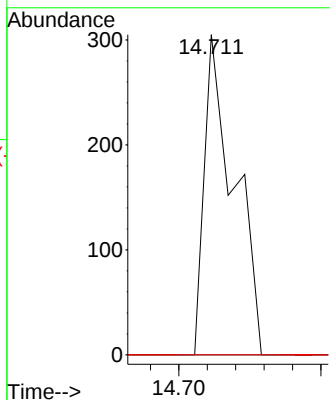
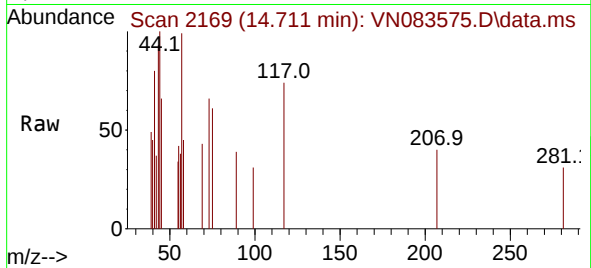




#92  
1,2-Dibromo-3-Chloropropane  
Concen: 0.324 ug/l  
RT: 14.711 min Scan# 2170  
Delta R.T. -0.006 min  
Lab File: VN083575.D  
Acq: 30 Aug 2024 15:09

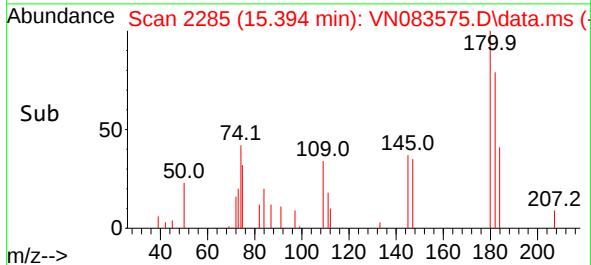
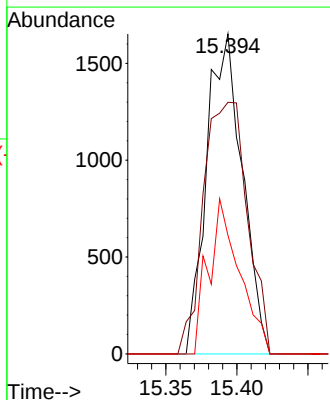
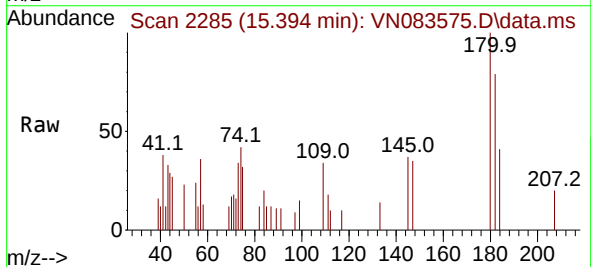
Instrument :  
MSVOA\_N  
ClientSampleId :

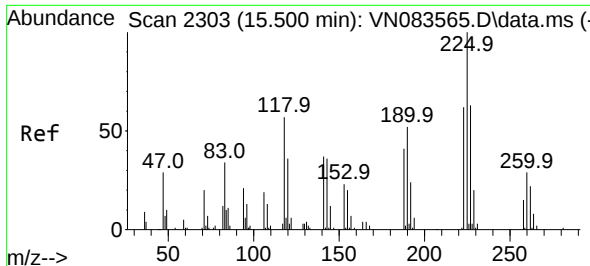
Tgt Ion: 75 Resp: 222  
Ion Ratio Lower Upper  
75 100  
155 0.0 35.9 107.7#  
157 0.0 47.5 142.5#



#93  
1,2,4-Trichlorobenzene  
Concen: 1.045 ug/l  
RT: 15.394 min Scan# 2285  
Delta R.T. -0.000 min  
Lab File: VN083575.D  
Acq: 30 Aug 2024 15:09

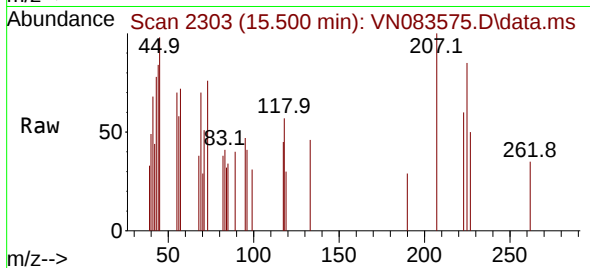
Tgt Ion:180 Resp: 2890  
Ion Ratio Lower Upper  
180 100  
182 96.8 48.1 144.3  
145 42.2 16.9 50.7



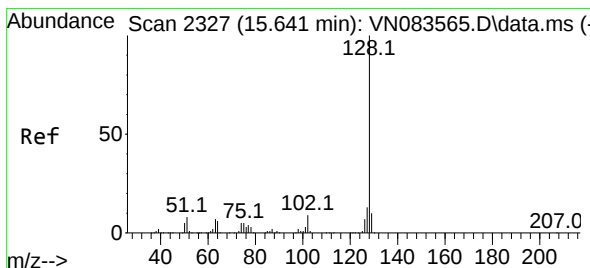
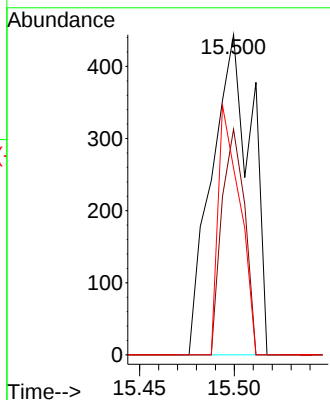
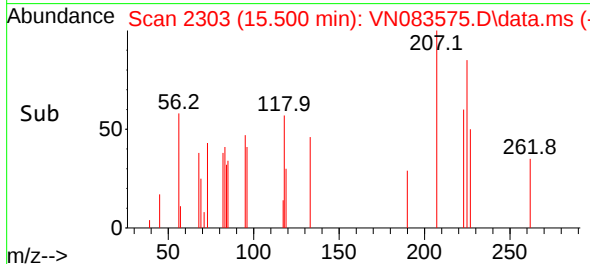


#94  
Hexachlorobutadiene  
Concen: 0.587 ug/l  
RT: 15.500 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VN083575.D  
Acq: 30 Aug 2024 15:09

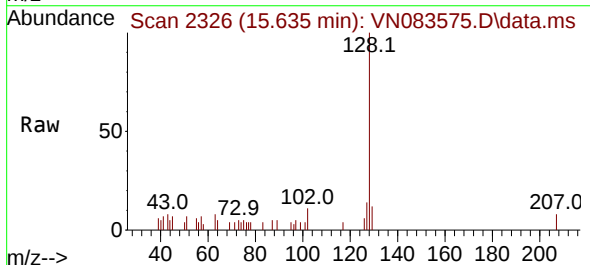
Instrument :  
MSVOA\_N  
ClientSampleId :



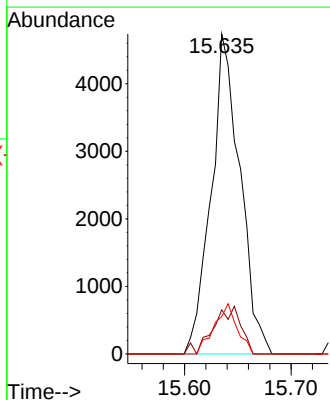
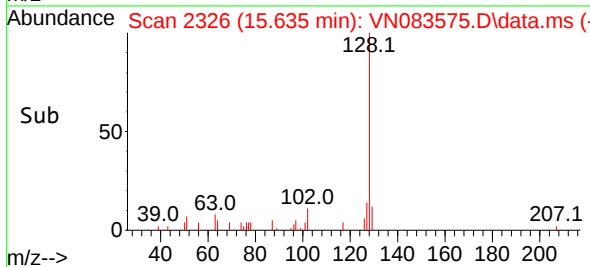
Tgt Ion:225 Resp: 650  
Ion Ratio Lower Upper  
225 100  
223 40.3 31.9 95.5  
227 42.5 32.0 96.2

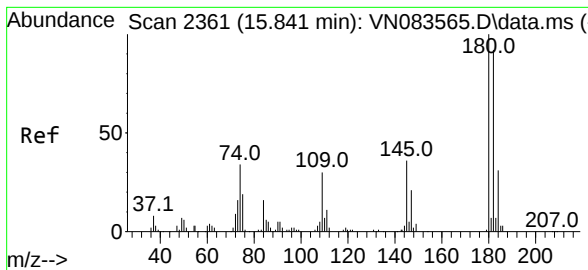


#95  
Naphthalene  
Concen: 1.003 ug/l  
RT: 15.635 min Scan# 2326  
Delta R.T. -0.006 min  
Lab File: VN083575.D  
Acq: 30 Aug 2024 15:09



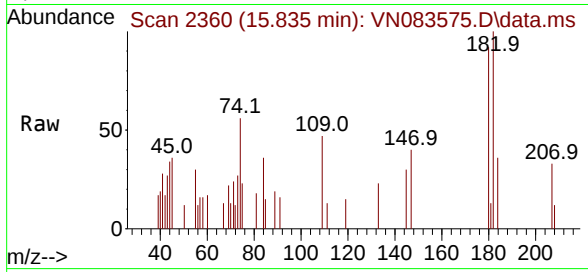
Tgt Ion:128 Resp: 8914  
Ion Ratio Lower Upper  
128 100  
127 14.4 10.2 15.2  
129 12.4 8.7 13.1





#96  
 1,2,3-Trichlorobenzene  
 Concen: 0.879 ug/l  
 RT: 15.835 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: VN083575.D  
 Acq: 30 Aug 2024 15:09

Instrument :  
 MSVOA\_N  
 ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 2430  |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 107.9 | 47.1  | 141.4 |
| 145      | 52.9  | 17.8  | 53.5  |

