

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN083024\  
 Data File : VN083593.D  
 Acq On : 31 Aug 2024 04:34  
 Operator : JC\MD  
 Sample : P3647-02  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Aug 31 06:24:38 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N083024W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Aug 31 00:48:10 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.224  | 168  | 136054   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.100  | 114  | 274291   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.865 | 117  | 280059   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.788 | 152  | 123847   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.577  | 65    | 101923   | 53.602   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | = 107.200% |      |
| 35) Dibromofluoromethane    | 8.165  | 113   | 79419    | 48.107   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 96.220%  |      |
| 50) Toluene-d8              | 10.565 | 98    | 290696   | 45.276   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | = 90.560%  |      |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 123133   | 51.703   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | = 103.400% |      |

|                               |        |     |       |           |        |    |
|-------------------------------|--------|-----|-------|-----------|--------|----|
| Target Compounds              |        |     |       | Qvalue    |        |    |
| 3) Chloromethane              | 2.365  | 50  | 913   | 0.544     | ug/l # | 41 |
| 5) Bromomethane               | 2.906  | 94  | 242   | 0.274     | ug/l # | 66 |
| 13) Acrolein                  | 4.159  | 56  | 133   | 0.474     | ug/l # | 13 |
| 16) Acetone                   | 4.436  | 43  | 1162  | 1.532     | ug/l # | 45 |
| 17) Carbon Disulfide          | 4.706  | 76  | 2134  | 0.491     | ug/l # | 75 |
| 18) Methyl Acetate            | 5.024  | 43  | 1101  | 0.546     | ug/l # | 52 |
| 20) Methylene Chloride        | 5.259  | 84  | 576   | 0.344     | ug/l # | 62 |
| 31) Cyclohexane               | 8.224  | 56  | 3819  | 1.298     | ug/l # | 10 |
| 36) 1,1-Dichloropropene       | 8.371  | 75  | 518   | 0.206     | ug/l # | 42 |
| 38) Carbon Tetrachloride      | 8.230  | 117 | 15324 | 5.334     | ug/l # | 16 |
| 43) Isopropyl Acetate         | 8.647  | 43  | 3560  | Below Cal | #      | 57 |
| 53) t-1,3-Dichloropropene     | 10.841 | 75  | 725   | 0.247     | ug/l # | 83 |
| 59) 2-Hexanone                | 11.194 | 43  | 883   | 0.505     | ug/l # | 46 |
| 65) Chlorobenzene             | 11.894 | 112 | 1785  | 0.284     | ug/l   | 94 |
| 67) Ethyl Benzene             | 11.971 | 91  | 2245  | 0.200     | ug/l   | 92 |
| 68) m/p-Xylenes               | 12.071 | 106 | 1732  | 0.410     | ug/l   | 91 |
| 70) Styrene                   | 12.412 | 104 | 2067  | 0.301     | ug/l   | 95 |
| 73) Isopropylbenzene          | 12.694 | 105 | 2071  | 0.207     | ug/l   | 94 |
| 76) 1,2,3-Trichloropropane    | 12.847 | 75  | 69021 | 27.603    | ug/l # | 1  |
| 77) Bromobenzene              | 12.976 | 156 | 1198  | 0.509     | ug/l   | 76 |
| 78) n-propylbenzene           | 13.029 | 91  | 4453  | 0.384     | ug/l   | 93 |
| 79) 2-Chlorotoluene           | 13.123 | 91  | 2301  | 0.306     | ug/l   | 93 |
| 80) 1,3,5-Trimethylbenzene    | 13.170 | 105 | 1874  | 0.222     | ug/l   | 92 |
| 81) trans-1,4-Dichloro-2-b... | 12.847 | 75  | 69021 | 65.105    | ug/l # | 9  |
| 82) 4-Chlorotoluene           | 13.223 | 91  | 4748  | 0.622     | ug/l   | 93 |
| 84) 1,2,4-Trimethylbenzene    | 13.476 | 105 | 2357  | 0.277     | ug/l   | 97 |
| 85) sec-Butylbenzene          | 13.612 | 105 | 2499  | 0.250     | ug/l   | 89 |
| 86) p-Isopropyltoluene        | 13.723 | 119 | 2324  | 0.279     | ug/l   | 93 |
| 87) 1,3-Dichlorobenzene       | 13.735 | 146 | 3280  | 0.718     | ug/l   | 96 |
| 88) 1,4-Dichlorobenzene       | 13.735 | 146 | 3280  | 0.699     | ug/l   | 96 |
| 89) n-Butylbenzene            | 14.059 | 91  | 4226  | 0.576     | ug/l   | 97 |
| 91) 1,2-Dichlorobenzene       | 14.106 | 146 | 2001  | 0.455     | ug/l   | 89 |
| 93) 1,2,4-Trichlorobenzene    | 15.394 | 180 | 2227  | 0.893     | ug/l   | 94 |
| 94) Hexachlorobutadiene       | 15.494 | 225 | 466   | 0.467     | ug/l # | 51 |
| 95) Naphthalene               | 15.641 | 128 | 6792  | 0.848     | ug/l # | 95 |
| 96) 1,2,3-Trichlorobenzene    | 15.829 | 180 | 2457  | 0.987     | ug/l   | 95 |

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Data File : VN083593.D  
Acq On : 31 Aug 2024 04:34  
Operator : JC\MD  
Sample : P3647-02  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 38 Sample Multiplier: 1

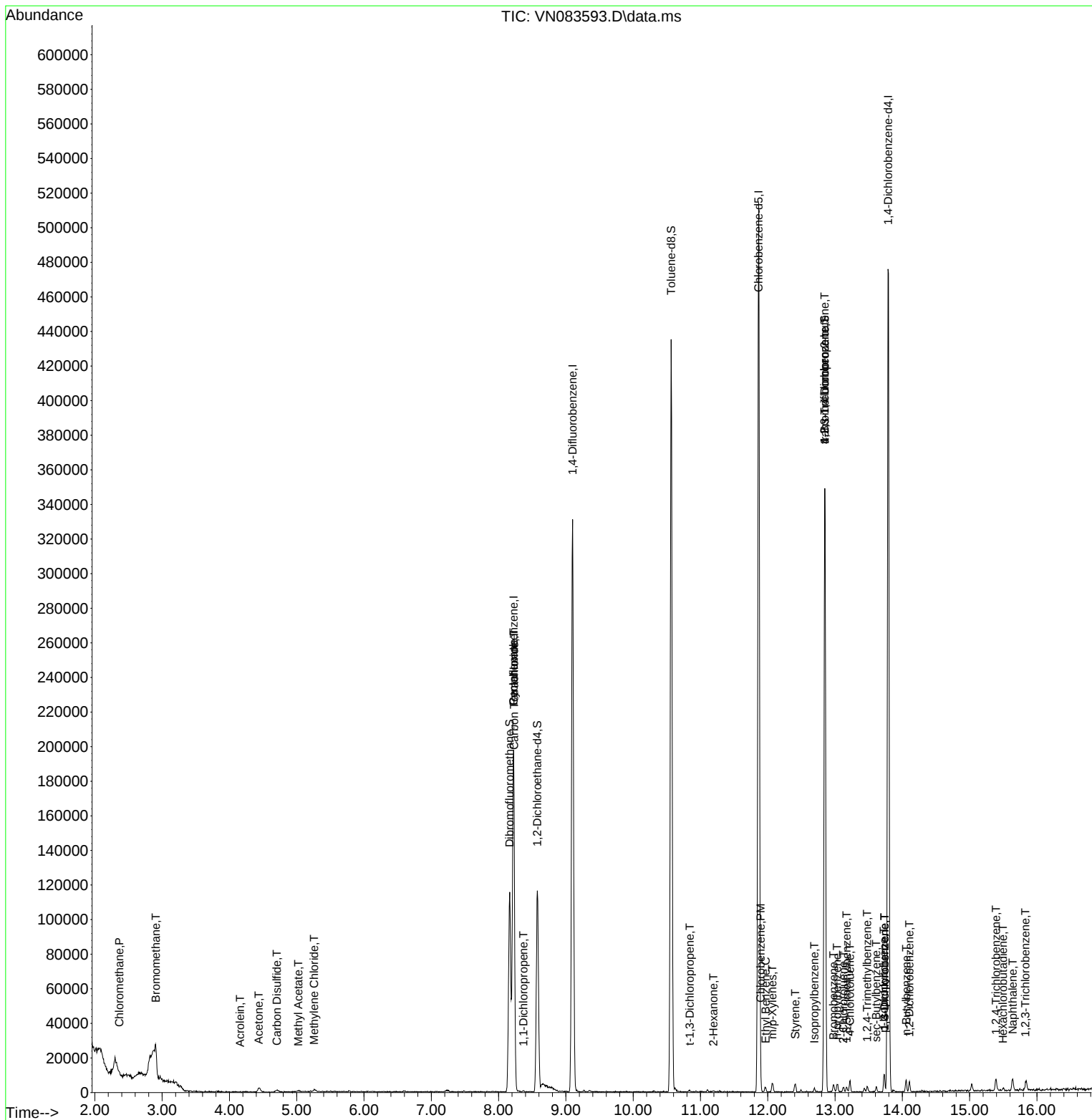
Instrument :  
MSVOA\_N  
ClientSampleId :

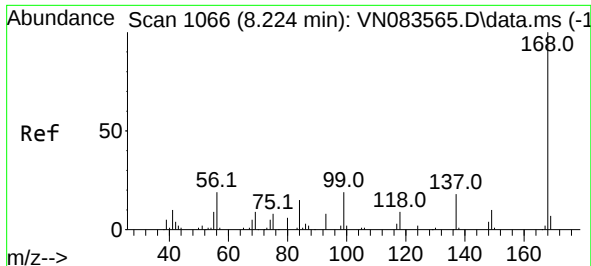
Quant Time: Aug 31 06:24:38 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N083024W.M  
Quant Title : SW846 8260  
QLast Update : Sat Aug 31 00:48:10 2024  
Response via : Initial Calibration

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

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

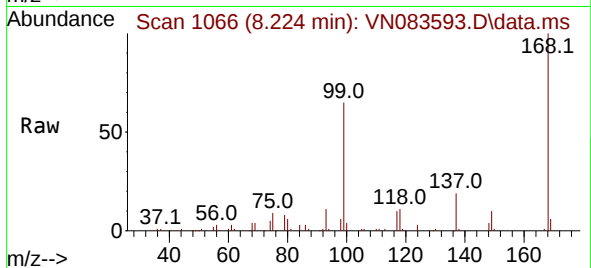
Quant Time: Aug 31 06:24:38 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N083024W.M  
Quant Title : SW846 8260  
QLast Update : Sat Aug 31 00:48:10 2024  
Response via : Initial Calibration



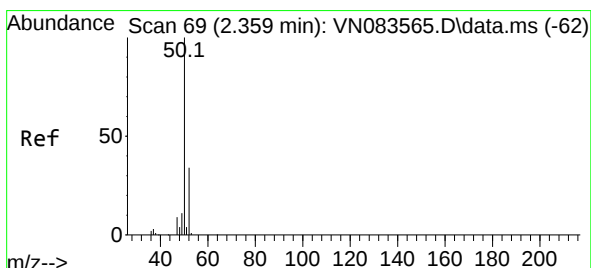
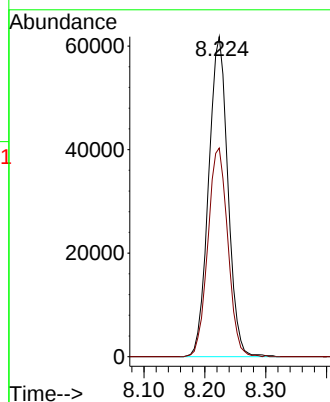
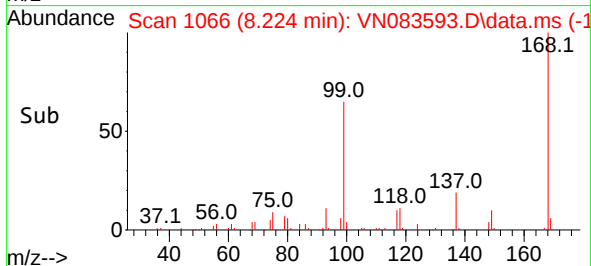


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VN083593.D  
Acq: 31 Aug 2024 04:34

Instrument :  
MSVOA\_N  
ClientSampleId :

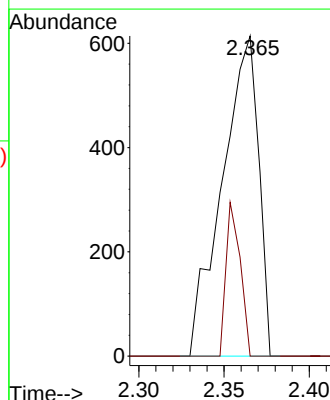
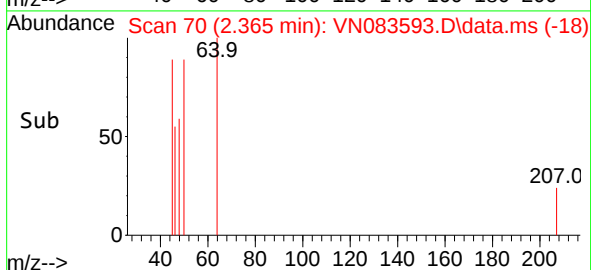
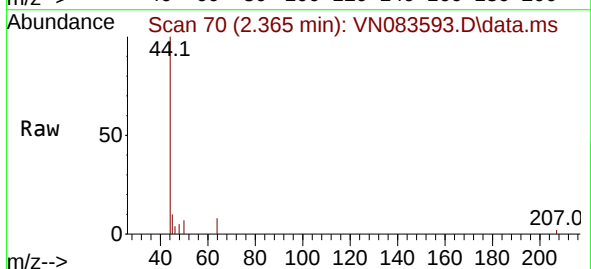


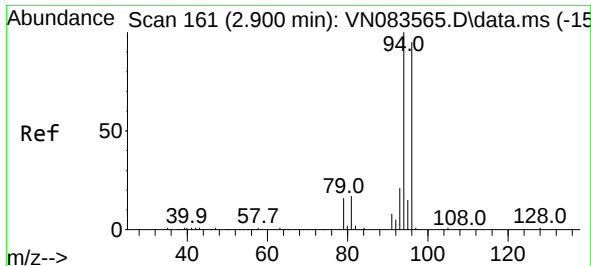
Tgt Ion:168 Resp: 136054  
Ion Ratio Lower Upper  
168 100  
99 65.2 54.2 81.2



#3  
Chloromethane  
Concen: 0.544 ug/l  
RT: 2.365 min Scan# 70  
Delta R.T. 0.006 min  
Lab File: VN083593.D  
Acq: 31 Aug 2024 04:34

Tgt Ion: 50 Resp: 913  
Ion Ratio Lower Upper  
50 100  
52 0.0 27.2 40.8#

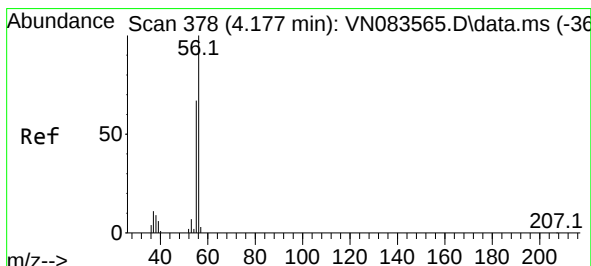
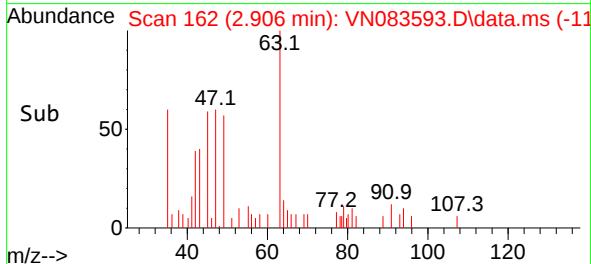
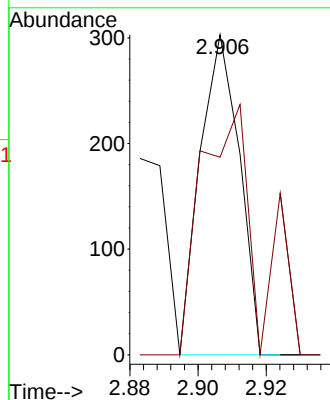
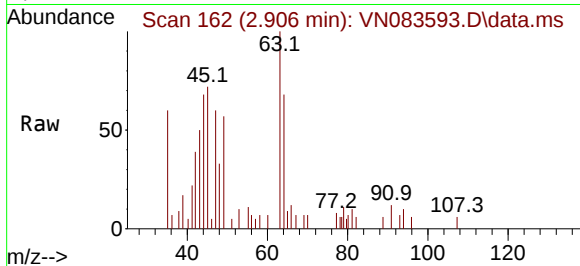




#5  
Bromomethane  
Concen: 0.274 ug/l  
RT: 2.906 min Scan# 1  
Delta R.T. 0.006 min  
Lab File: VN083593.D  
Acq: 31 Aug 2024 04:34

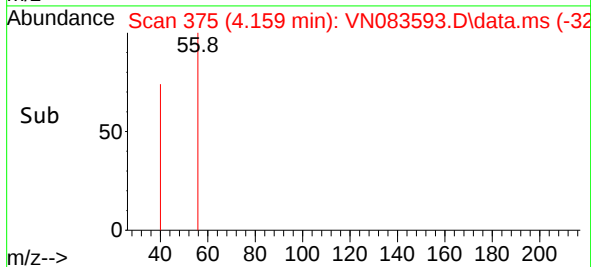
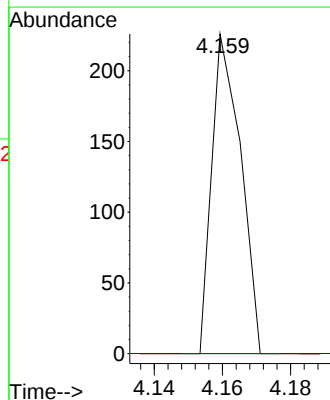
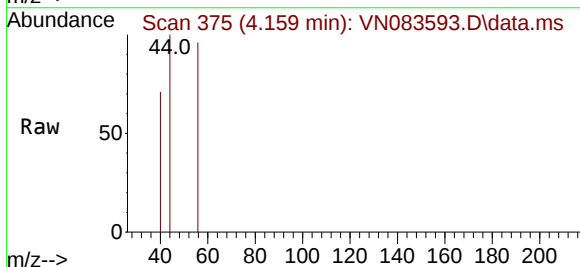
Instrument :  
MSVOA\_N  
ClientSampleId :

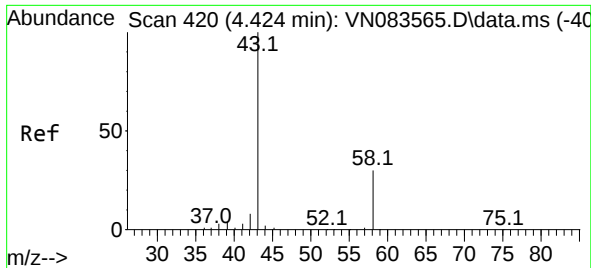
Tgt Ion: 94 Resp: 242  
Ion Ratio Lower Upper  
94 100  
96 61.7 76.0 114.0#



#13  
Acrolein  
Concen: 0.474 ug/l  
RT: 4.159 min Scan# 375  
Delta R.T. -0.018 min  
Lab File: VN083593.D  
Acq: 31 Aug 2024 04:34

Tgt Ion: 56 Resp: 133  
Ion Ratio Lower Upper  
56 100  
55 0.0 58.2 87.2#





#16

Acetone

Concen: 1.532 ug/l

RT: 4.436 min Scan# 41

Delta R.T. 0.012 min

Lab File: VN083593.D

Acq: 31 Aug 2024 04:34

Instrument :

MSVOA\_N

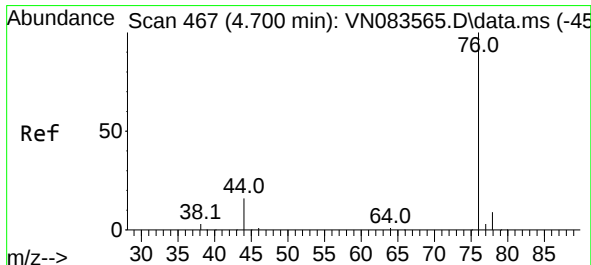
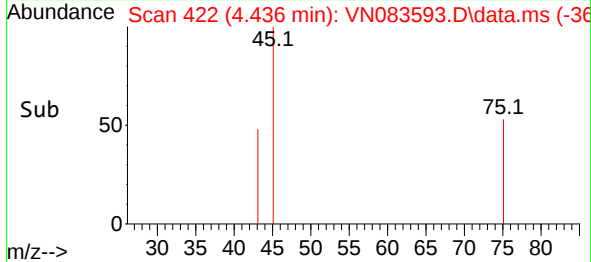
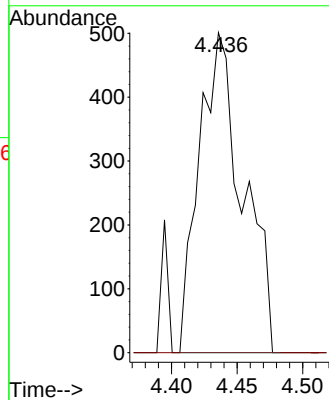
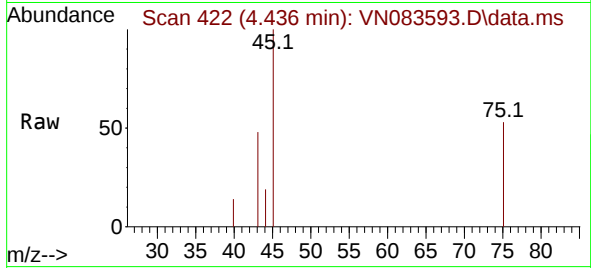
ClientSampleId :

Tgt Ion: 43 Resp: 1162

Ion Ratio Lower Upper

43 100

58 0.0 23.7 35.5#



#17

Carbon Disulfide

Concen: 0.491 ug/l

RT: 4.706 min Scan# 468

Delta R.T. 0.006 min

Lab File: VN083593.D

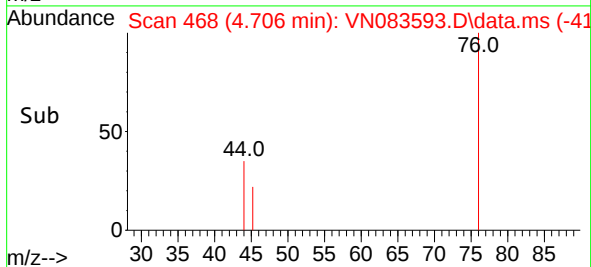
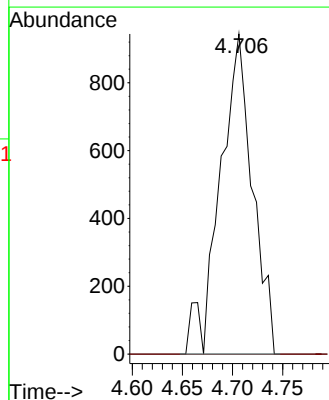
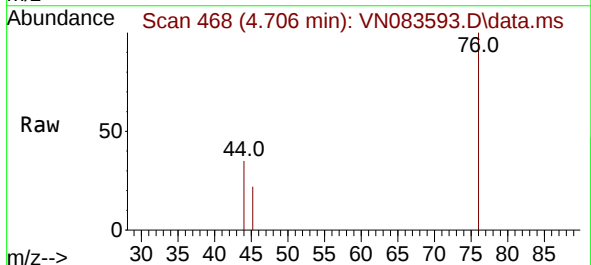
Acq: 31 Aug 2024 04:34

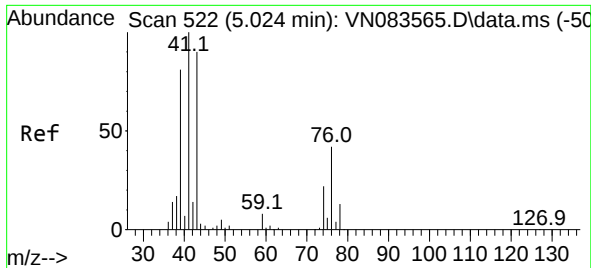
Tgt Ion: 76 Resp: 2134

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#

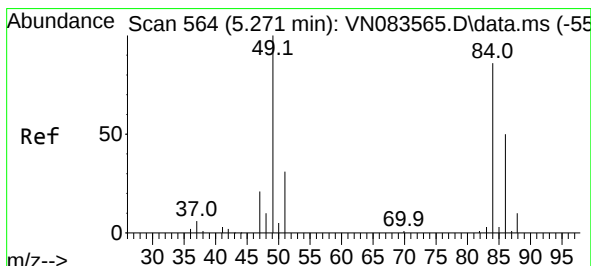
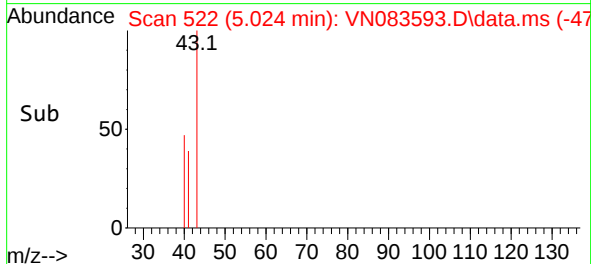
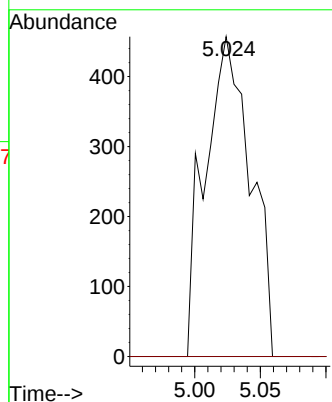
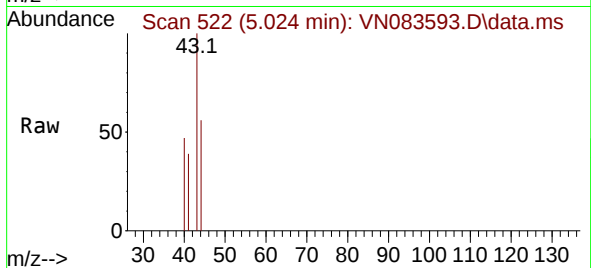




#18  
Methyl Acetate  
Concen: 0.546 ug/l  
RT: 5.024 min Scan# 511  
Delta R.T. 0.000 min  
Lab File: VN083593.D  
Acq: 31 Aug 2024 04:34

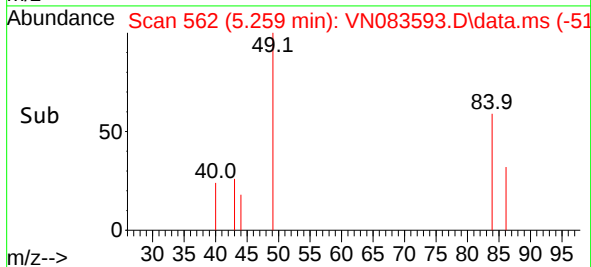
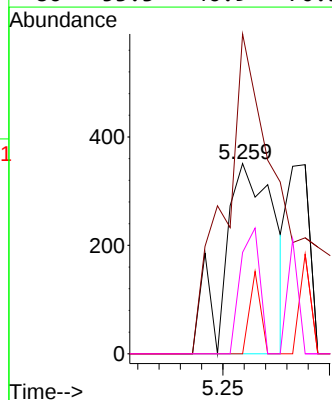
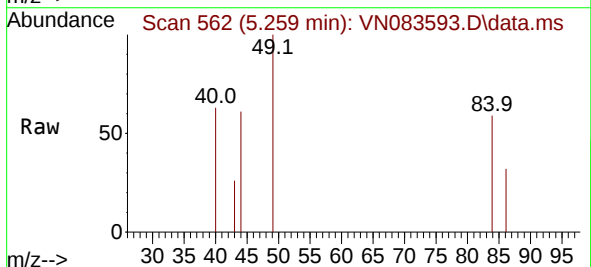
Instrument :  
MSVOA\_N  
ClientSampleId :

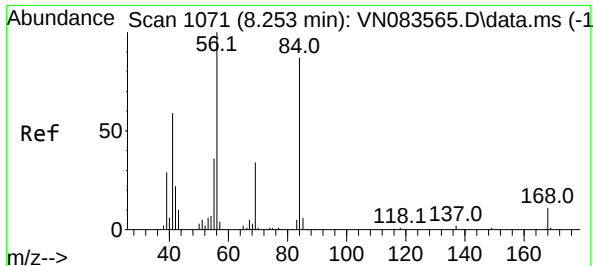
Tgt Ion: 43 Resp: 1101  
Ion Ratio Lower Upper  
43 100  
74 0.0 19.0 28.4#



#20  
Methylene Chloride  
Concen: 0.344 ug/l  
RT: 5.259 min Scan# 562  
Delta R.T. -0.012 min  
Lab File: VN083593.D  
Acq: 31 Aug 2024 04:34

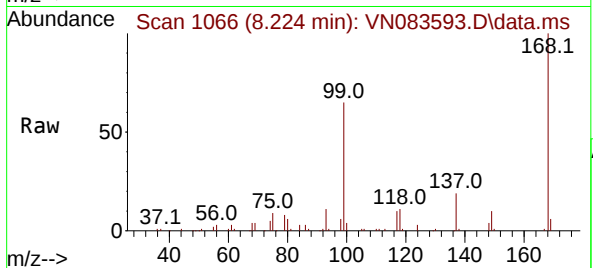
Tgt Ion: 84 Resp: 576  
Ion Ratio Lower Upper  
84 100  
49 168.1 93.4 140.0#  
51 0.0 29.2 43.8#  
86 53.3 46.9 70.3



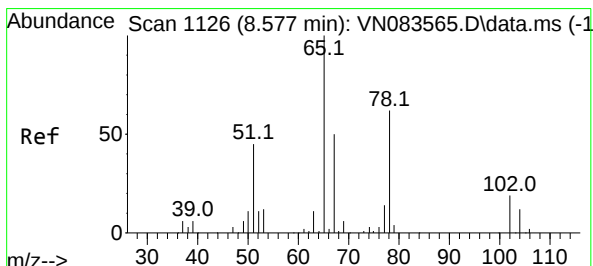
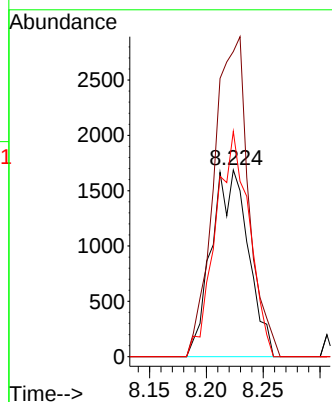
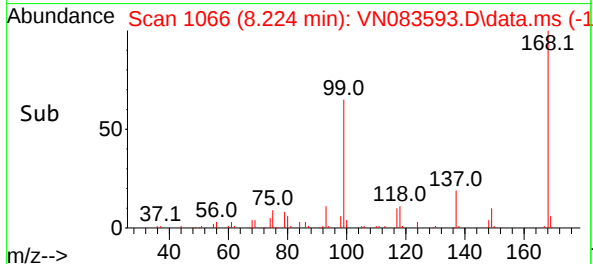


#31  
Cyclohexane  
Concen: 1.298 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.029 min  
Lab File: VN083593.D  
Acq: 31 Aug 2024 04:34

Instrument :  
MSVOA\_N  
ClientSampleId :

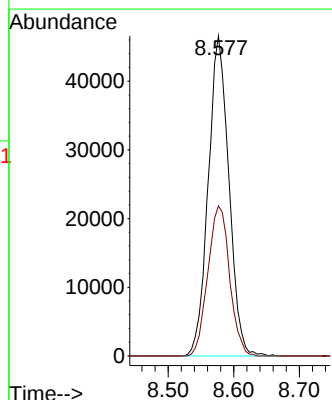
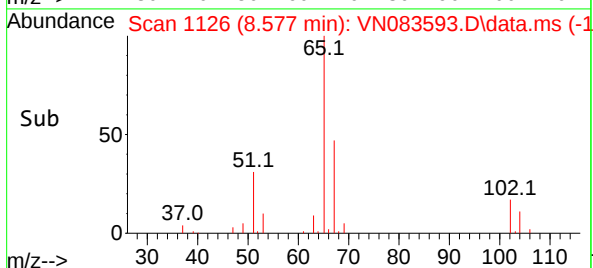
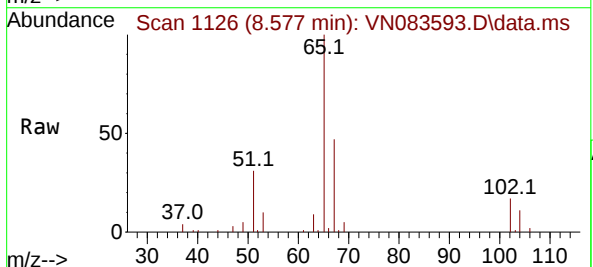


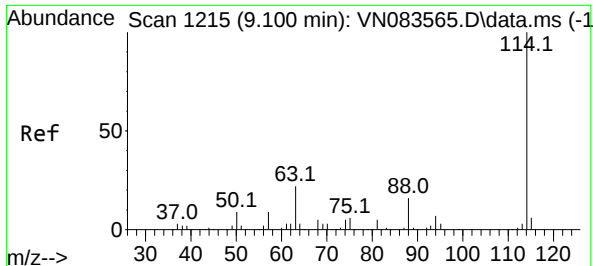
Tgt Ion: 56 Resp: 3819  
Ion Ratio Lower Upper  
56 100  
69 163.3 26.9 40.3#  
84 120.6 69.2 103.8#



#33  
1,2-Dichloroethane-d4  
Concen: 53.602 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. 0.000 min  
Lab File: VN083593.D  
Acq: 31 Aug 2024 04:34

Tgt Ion: 65 Resp: 101923  
Ion Ratio Lower Upper  
65 100  
67 49.3 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN083593.D

Acq: 31 Aug 2024 04:34

Instrument :

MSVOA\_N

ClientSampleId :

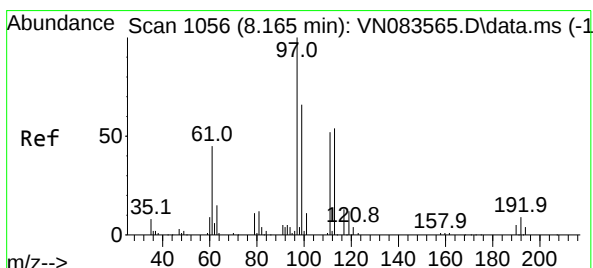
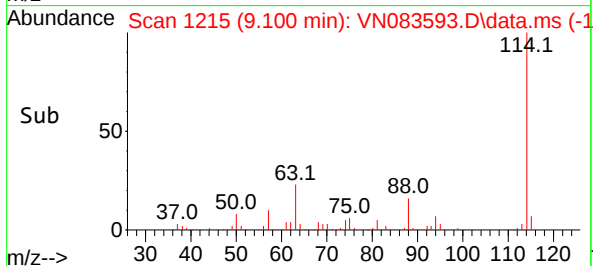
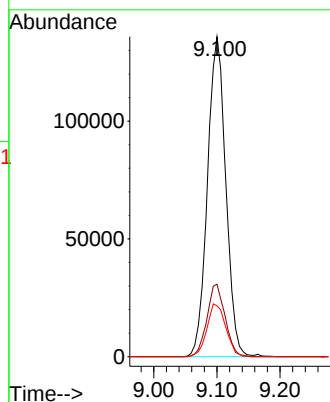
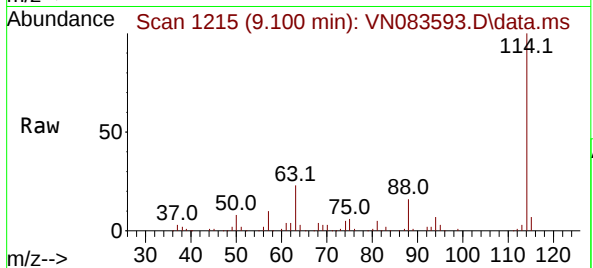
Tgt Ion:114 Resp: 274291

Ion Ratio Lower Upper

114 100

63 22.7 0.0 43.4

88 15.9 0.0 32.6



#35

Dibromofluoromethane

Concen: 48.107 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN083593.D

Acq: 31 Aug 2024 04:34

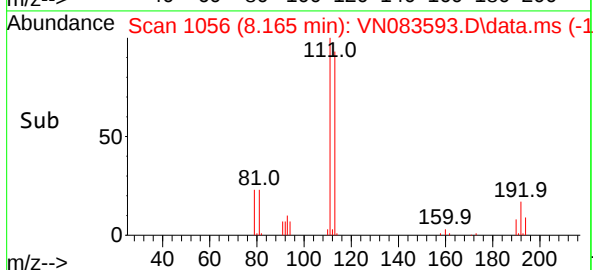
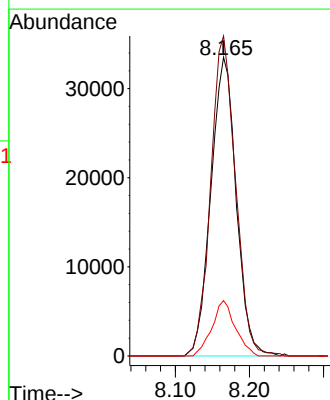
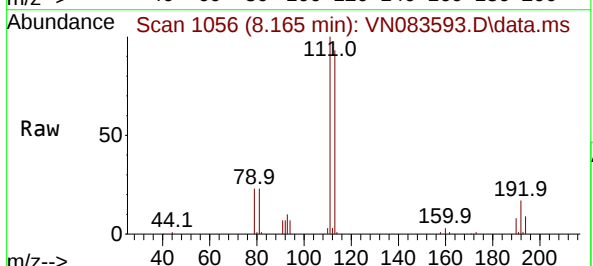
Tgt Ion:113 Resp: 79419

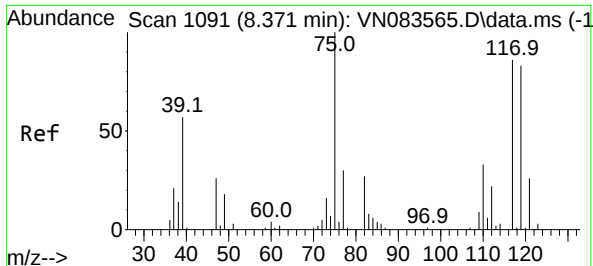
Ion Ratio Lower Upper

113 100

111 105.0 82.6 124.0

192 17.1 14.3 21.5

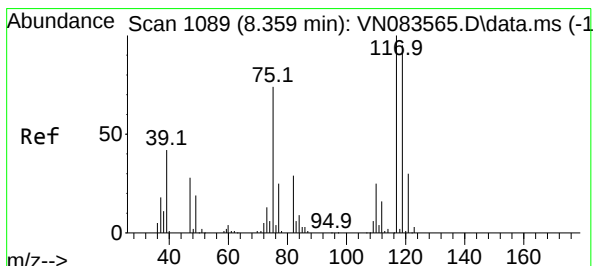
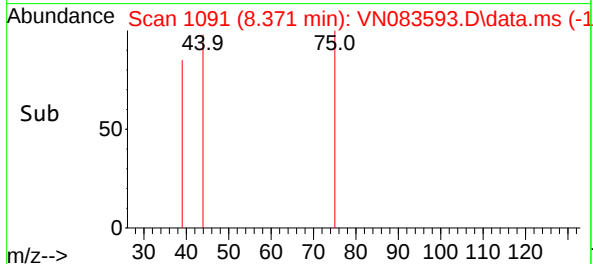
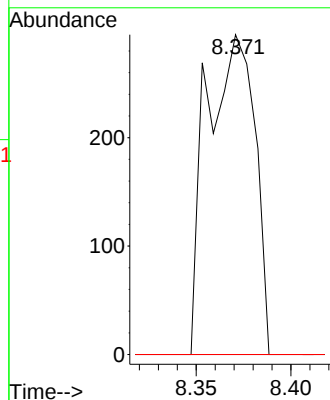
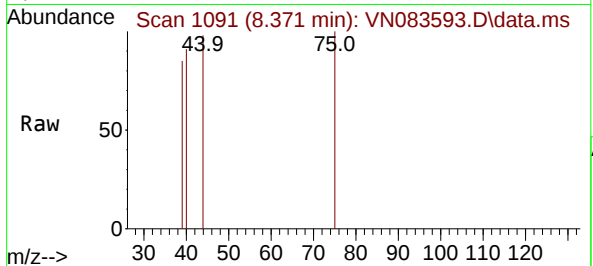




#36  
 1,1-Dichloropropene  
 Concen: 0.206 ug/l  
 RT: 8.371 min Scan# 1091  
 Delta R.T. 0.000 min  
 Lab File: VN083593.D  
 Acq: 31 Aug 2024 04:34

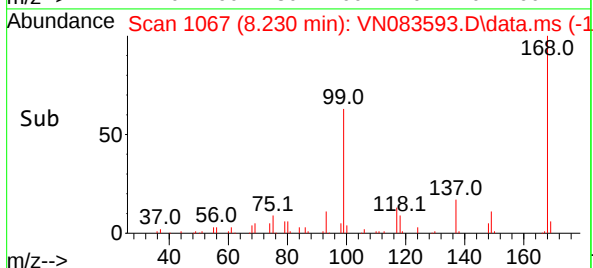
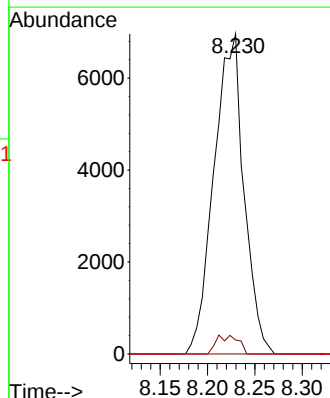
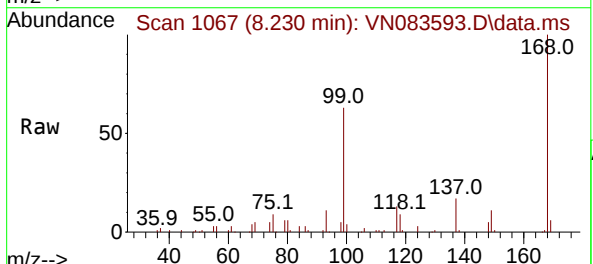
Instrument :  
 MSVOA\_N  
 ClientSampleId :

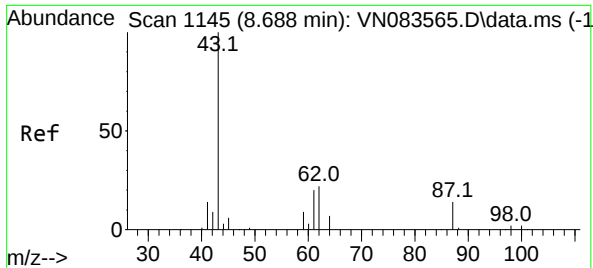
Tgt Ion: 75 Resp: 518  
 Ion Ratio Lower Upper  
 75 100  
 110 0.0 16.7 50.1#  
 77 0.0 25.2 37.8#



#38  
 Carbon Tetrachloride  
 Concen: 5.334 ug/l  
 RT: 8.230 min Scan# 1067  
 Delta R.T. -0.129 min  
 Lab File: VN083593.D  
 Acq: 31 Aug 2024 04:34

Tgt Ion: 117 Resp: 15324  
 Ion Ratio Lower Upper  
 117 100  
 119 4.4 76.1 114.1#  
 121 0.0 24.1 36.1#

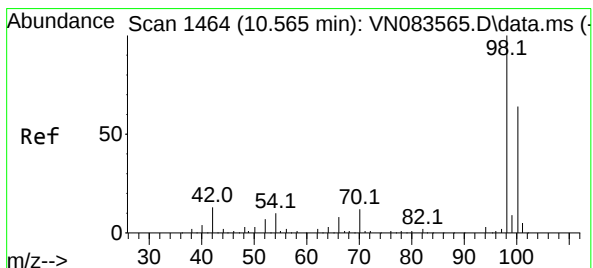
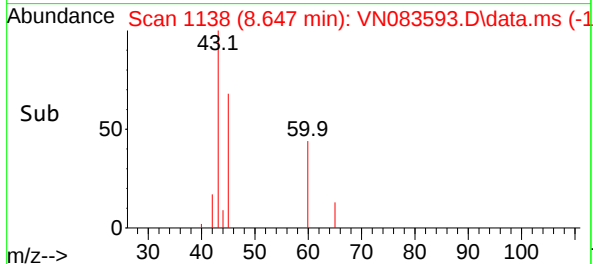
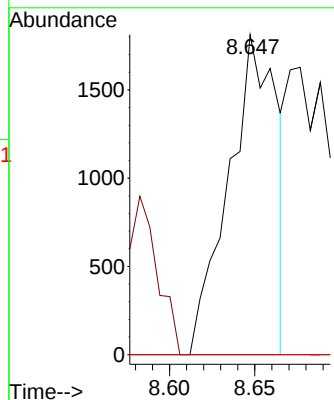
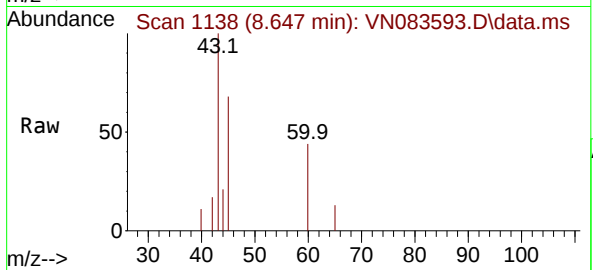




#43  
Isopropyl Acetate  
Concen: Below Cal  
RT: 8.647 min Scan# 1145  
Delta R.T. -0.041 min  
Lab File: VN083593.D  
Acq: 31 Aug 2024 04:34

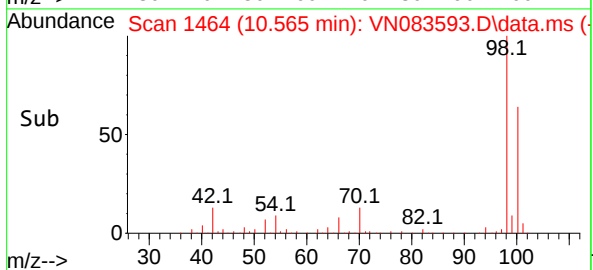
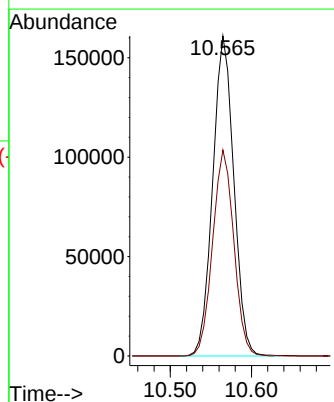
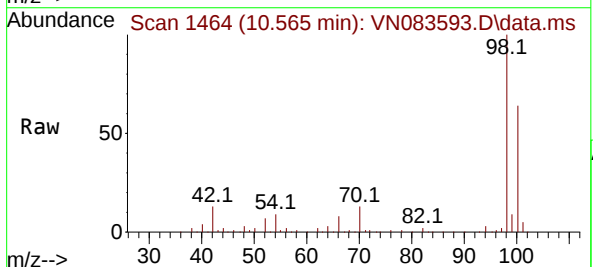
Instrument :  
MSVOA\_N  
ClientSampleId :

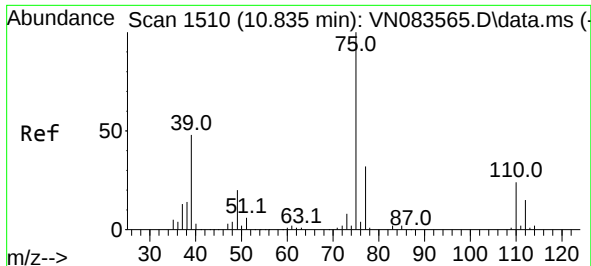
Tgt Ion: 43 Resp: 3560  
Ion Ratio Lower Upper  
43 100  
61 0.0 19.4 29.0#  
87 0.0 9.8 14.6#



#50  
Toluene-d8  
Concen: 45.276 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. -0.000 min  
Lab File: VN083593.D  
Acq: 31 Aug 2024 04:34

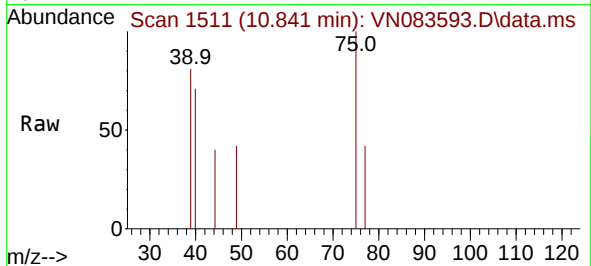
Tgt Ion: 98 Resp: 290696  
Ion Ratio Lower Upper  
98 100  
100 64.6 52.0 78.0



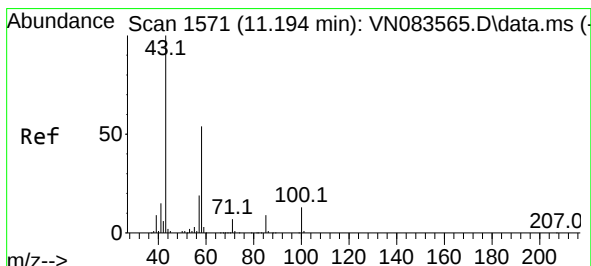
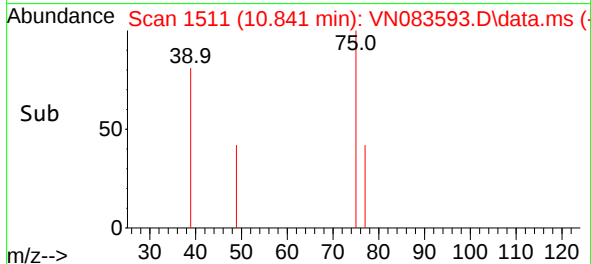
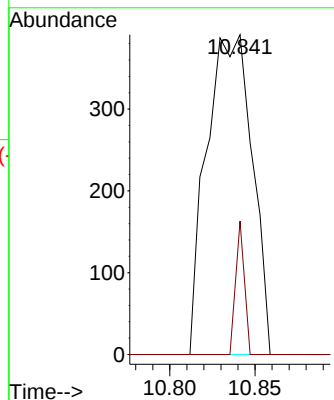


#53  
t-1,3-Dichloropropene  
Concen: 0.247 ug/l  
RT: 10.841 min Scan# 1511  
Delta R.T. 0.006 min  
Lab File: VN083593.D  
Acq: 31 Aug 2024 04:34

Instrument :  
MSVOA\_N  
ClientSampleId :

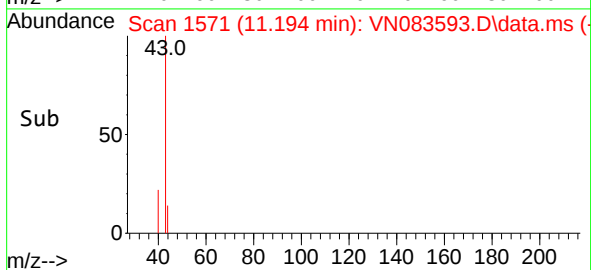
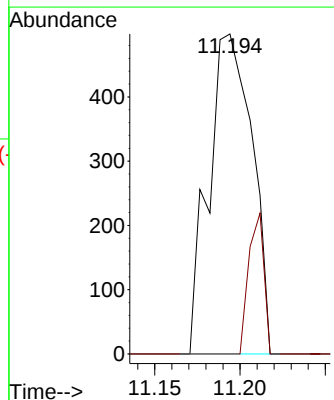
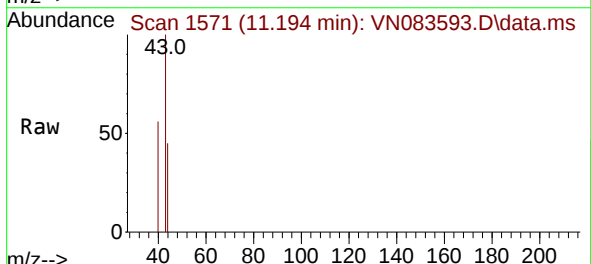


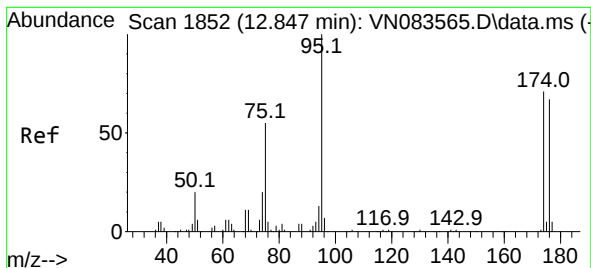
Tgt Ion: 75 Resp: 725  
Ion Ratio Lower Upper  
75 100  
77 41.7 25.8 38.6#



#59  
2-Hexanone  
Concen: 0.505 ug/l  
RT: 11.194 min Scan# 1571  
Delta R.T. 0.000 min  
Lab File: VN083593.D  
Acq: 31 Aug 2024 04:34

Tgt Ion: 43 Resp: 883  
Ion Ratio Lower Upper  
43 100  
58 15.4 27.2 81.5#

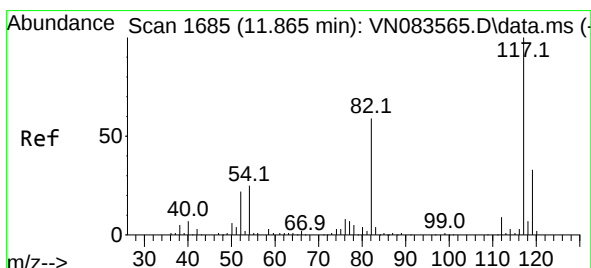
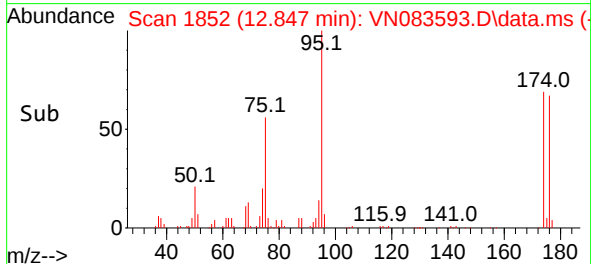
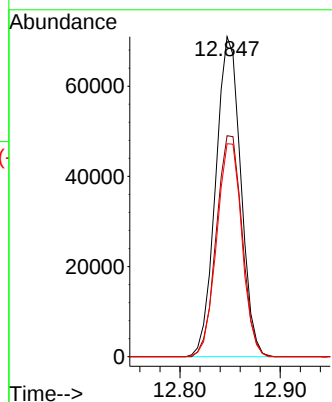
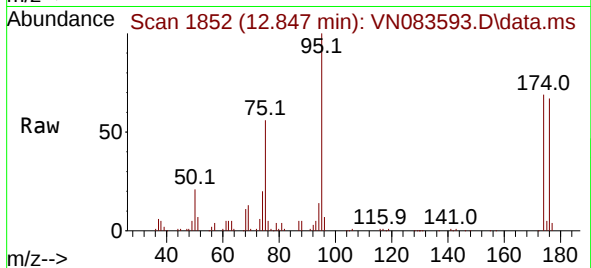




#62  
4-Bromofluorobenzene  
Concen: 51.703 ug/l  
RT: 12.847 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN083593.D  
Acq: 31 Aug 2024 04:34

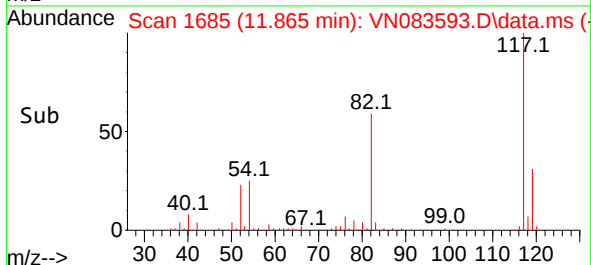
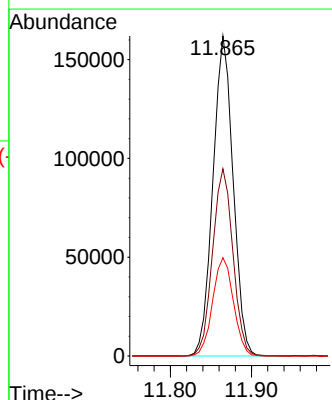
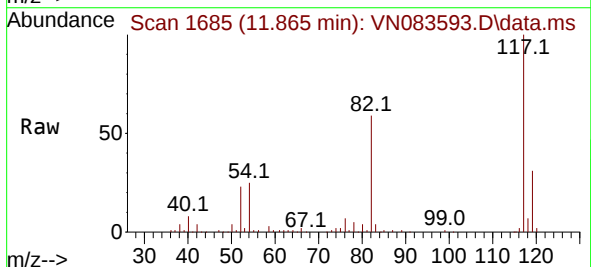
Instrument :  
MSVOA\_N  
ClientSampleId :

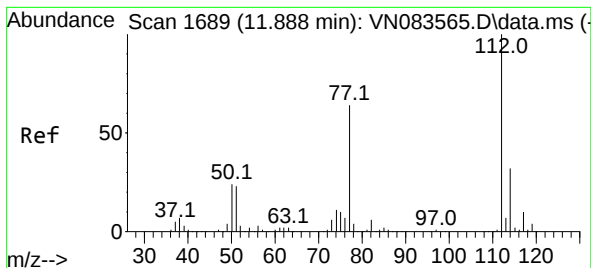
Tgt Ion: 95 Resp: 123133  
Ion Ratio Lower Upper  
95 100  
174 70.9 0.0 139.8  
176 67.3 0.0 131.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1685  
Delta R.T. 0.000 min  
Lab File: VN083593.D  
Acq: 31 Aug 2024 04:34

Tgt Ion: 117 Resp: 280059  
Ion Ratio Lower Upper  
117 100  
82 58.5 47.4 71.0  
119 30.7 26.3 39.5





#65

Chlorobenzene

Concen: 0.284 ug/l

RT: 11.894 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN083593.D

Acq: 31 Aug 2024 04:34

Instrument :

MSVOA\_N

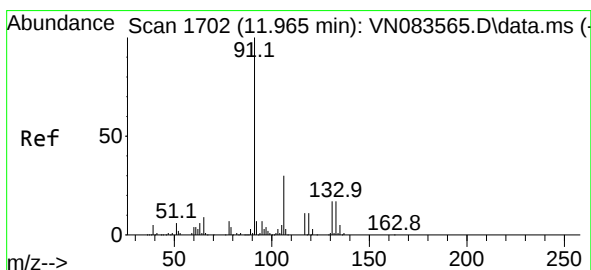
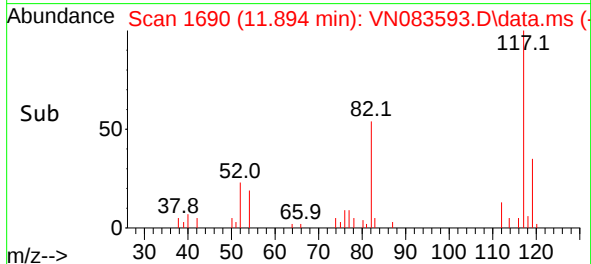
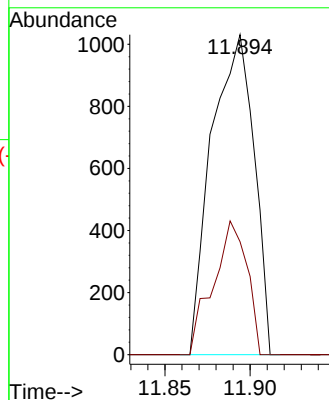
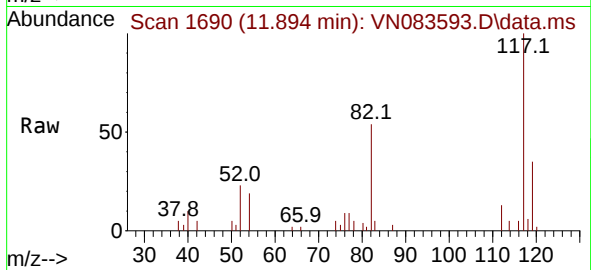
ClientSampleId :

Tgt Ion:112 Resp: 1785

Ion Ratio Lower Upper

112 100

114 35.3 25.7 38.5



#67

Ethyl Benzene

Concen: 0.200 ug/l

RT: 11.971 min Scan# 1703

Delta R.T. 0.006 min

Lab File: VN083593.D

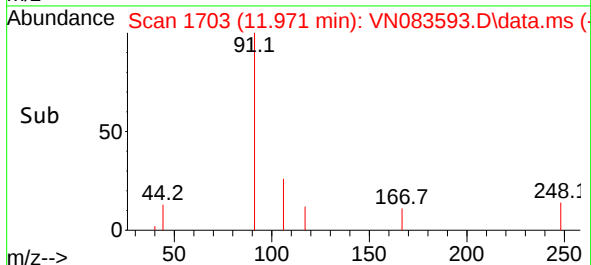
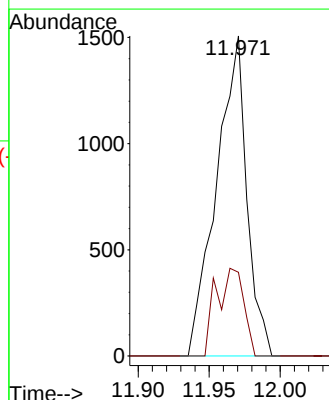
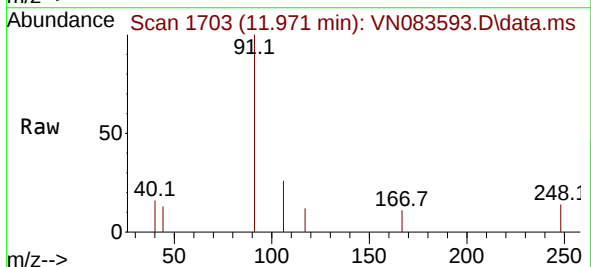
Acq: 31 Aug 2024 04:34

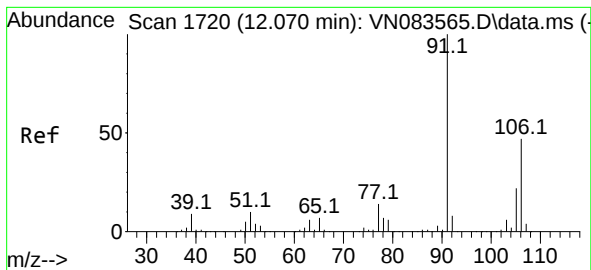
Tgt Ion: 91 Resp: 2245

Ion Ratio Lower Upper

91 100

106 26.1 24.3 36.5

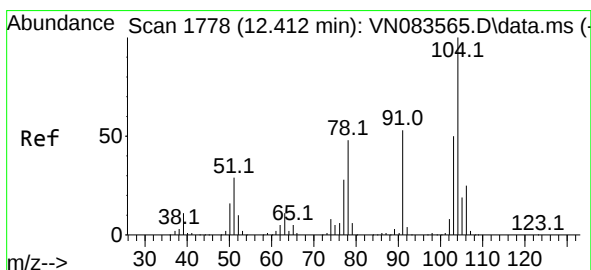
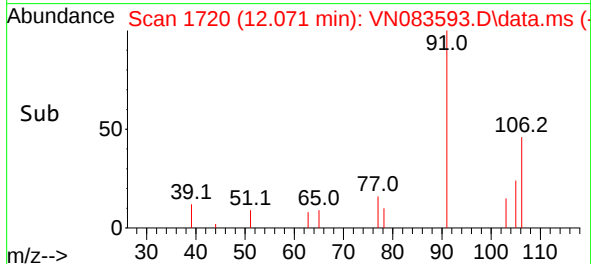
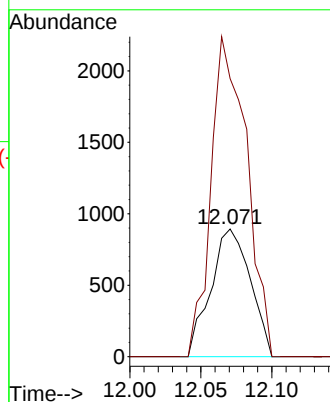
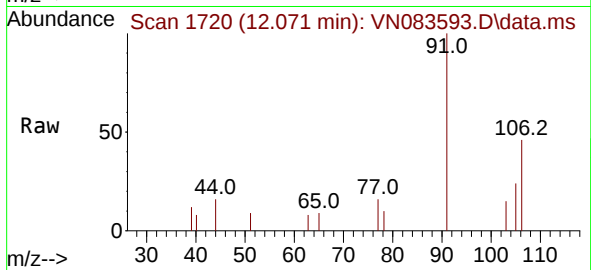




#68  
m/p-Xylenes  
Concen: 0.410 ug/l  
RT: 12.071 min Scan# 1720  
Delta R.T. 0.000 min  
Lab File: VN083593.D  
Acq: 31 Aug 2024 04:34

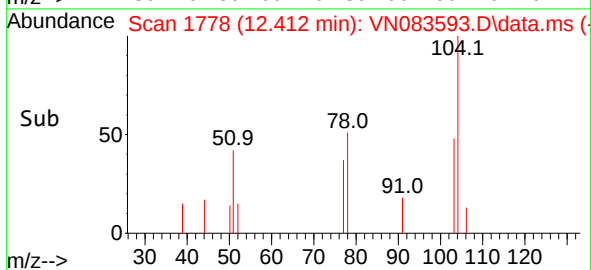
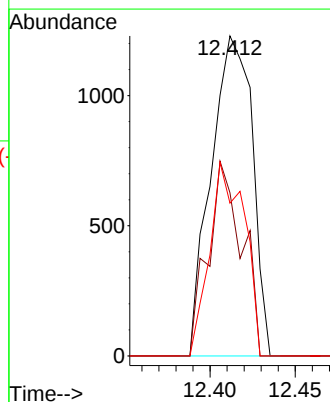
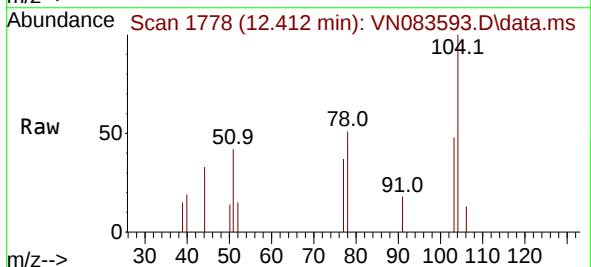
Instrument :  
MSVOA\_N  
ClientSampleId :

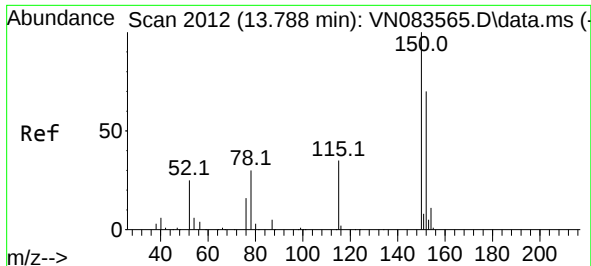
Tgt Ion:106 Resp: 1732  
Ion Ratio Lower Upper  
106 100  
91 226.1 169.2 253.8



#70  
Styrene  
Concen: 0.301 ug/l  
RT: 12.412 min Scan# 1778  
Delta R.T. 0.000 min  
Lab File: VN083593.D  
Acq: 31 Aug 2024 04:34

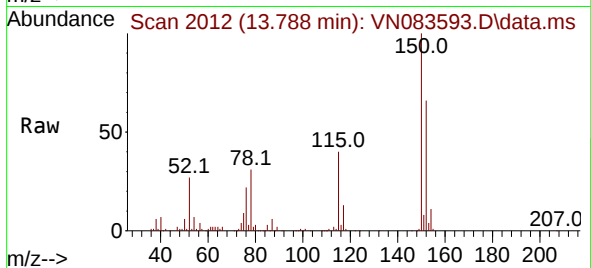
Tgt Ion:104 Resp: 2067  
Ion Ratio Lower Upper  
104 100  
78 50.4 43.3 64.9  
103 51.0 43.4 65.2



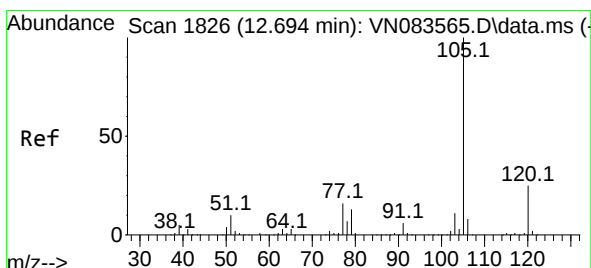
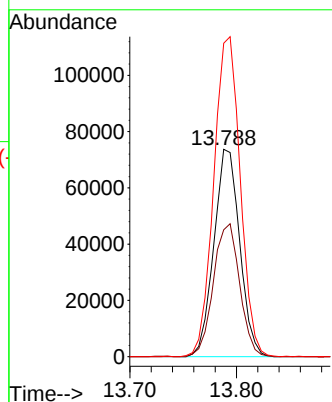
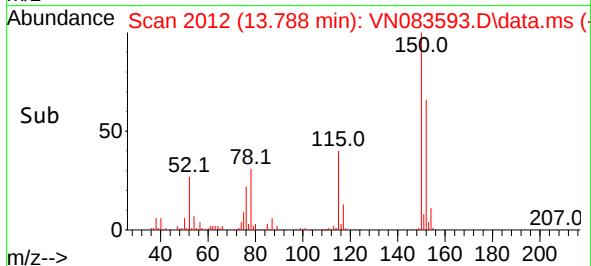


#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.788 min Scan# 2012  
 Delta R.T. 0.000 min  
 Lab File: VN083593.D  
 Acq: 31 Aug 2024 04:34

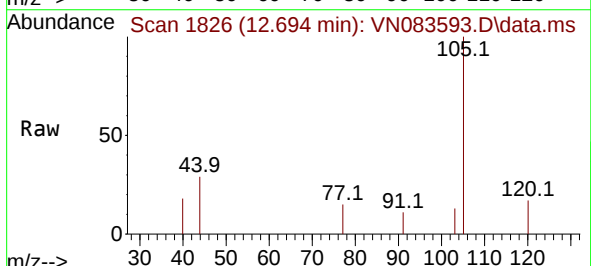
Instrument :  
 MSVOA\_N  
 ClientSampleId :



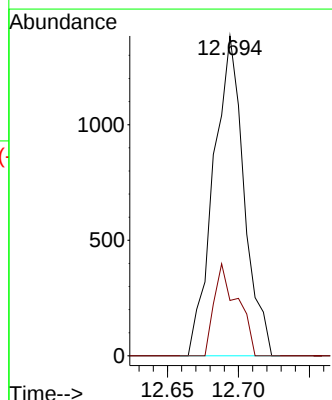
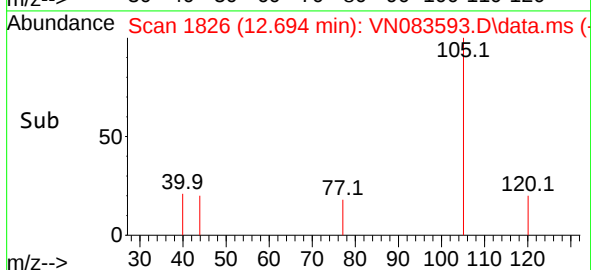
Tgt Ion:152 Resp: 123847  
 Ion Ratio Lower Upper  
 152 100  
 115 65.2 32.2 96.6  
 150 158.4 0.0 348.6

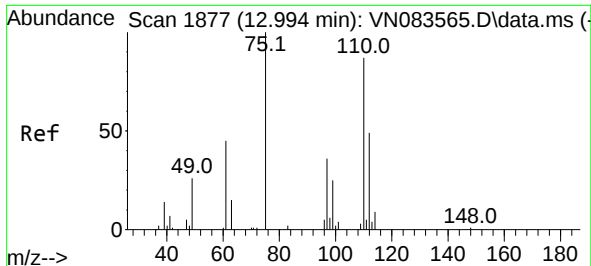


#73  
 Isopropylbenzene  
 Concen: 0.207 ug/l  
 RT: 12.694 min Scan# 1826  
 Delta R.T. 0.000 min  
 Lab File: VN083593.D  
 Acq: 31 Aug 2024 04:34



Tgt Ion:105 Resp: 2071  
 Ion Ratio Lower Upper  
 105 100  
 120 22.0 12.6 37.8

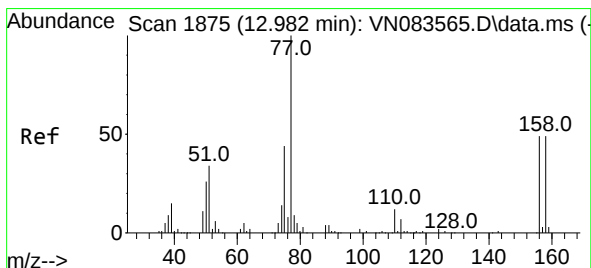
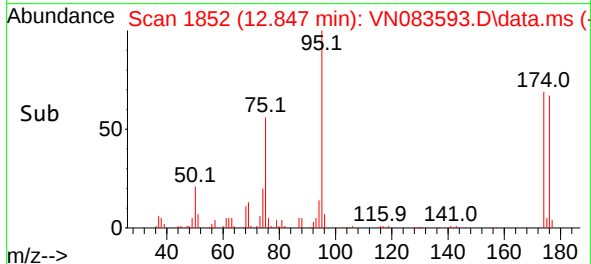
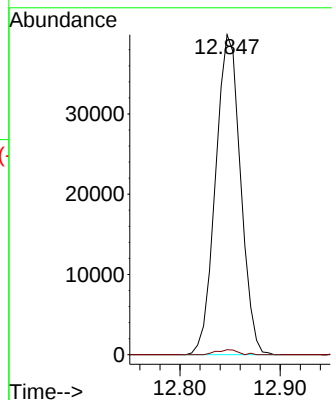
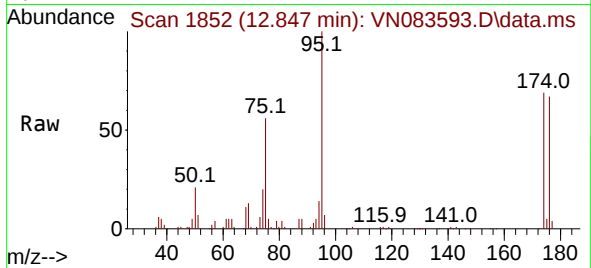




#76  
1,2,3-Trichloropropane  
Concen: 27.603 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.147 min  
Lab File: VN083593.D  
Acq: 31 Aug 2024 04:34

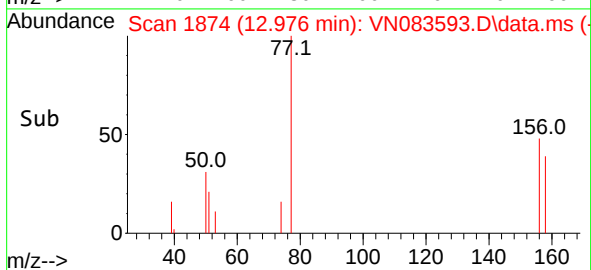
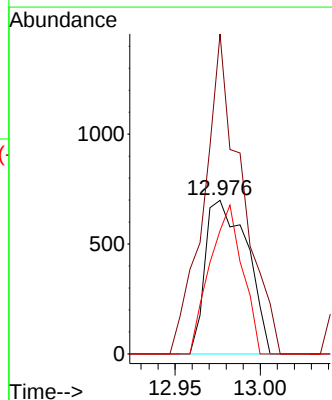
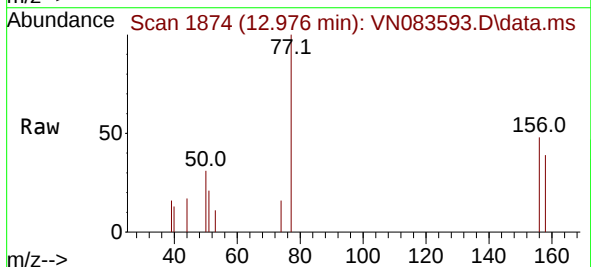
Instrument :  
MSVOA\_N  
ClientSampleId :

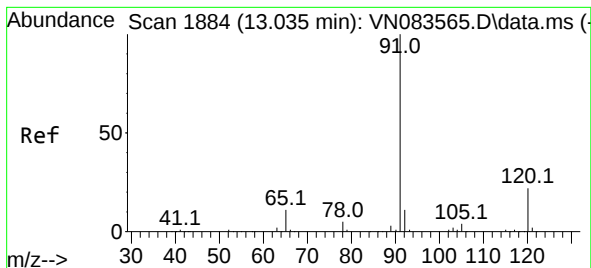
Tgt Ion: 75 Resp: 69021  
Ion Ratio Lower Upper  
75 100  
77 1.3 95.2 285.6#



#77  
Bromobenzene  
Concen: 0.509 ug/l  
RT: 12.976 min Scan# 1874  
Delta R.T. -0.006 min  
Lab File: VN083593.D  
Acq: 31 Aug 2024 04:34

Tgt Ion:156 Resp: 1198  
Ion Ratio Lower Upper  
156 100  
77 188.3 114.3 343.1  
158 75.5 48.9 146.7





#78

n-propylbenzene

Concen: 0.384 ug/l

RT: 13.029 min Scan# 1883

Delta R.T. -0.006 min

Lab File: VN083593.D

Acq: 31 Aug 2024 04:34

Instrument :

MSVOA\_N

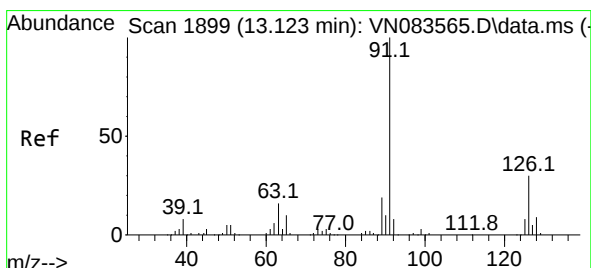
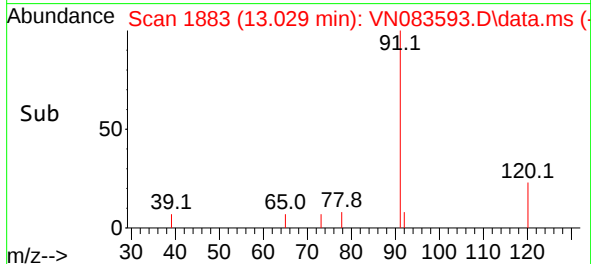
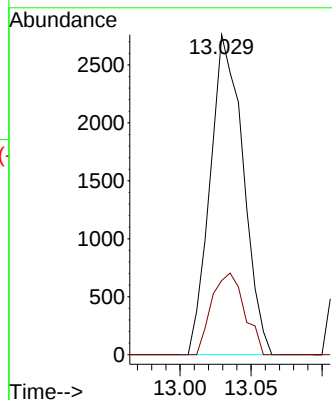
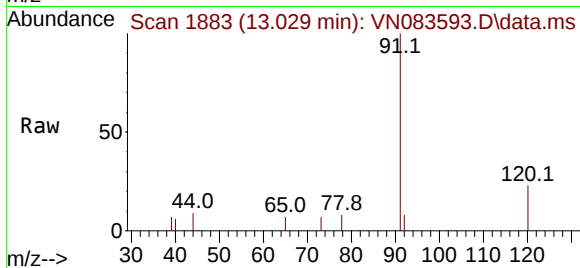
ClientSampleId :

Tgt Ion: 91 Resp: 4453

Ion Ratio Lower Upper

91 100

120 25.4 11.0 33.0



#79

2-Chlorotoluene

Concen: 0.306 ug/l

RT: 13.123 min Scan# 1899

Delta R.T. 0.000 min

Lab File: VN083593.D

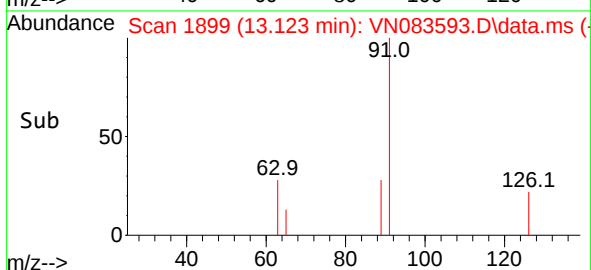
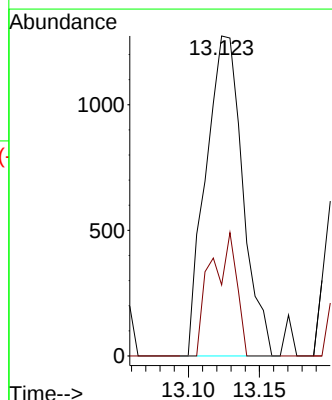
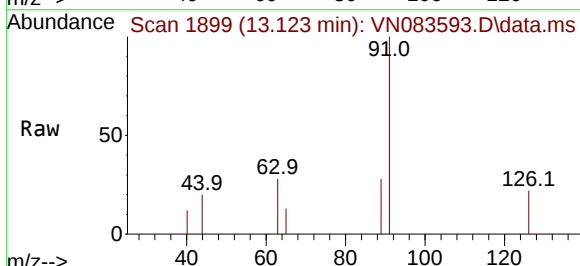
Acq: 31 Aug 2024 04:34

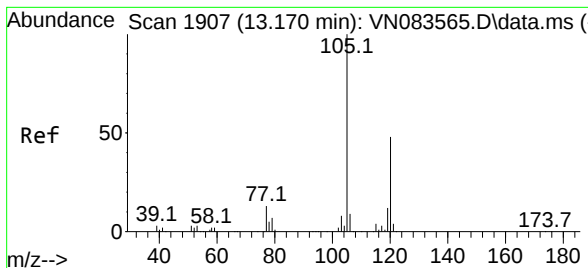
Tgt Ion: 91 Resp: 2301

Ion Ratio Lower Upper

91 100

126 26.9 15.4 46.2

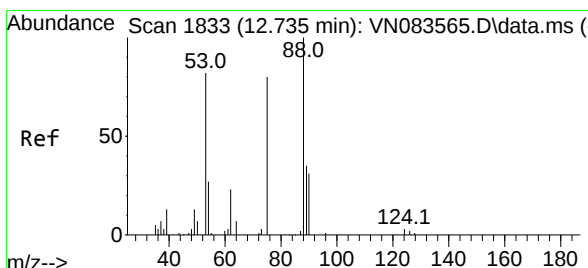
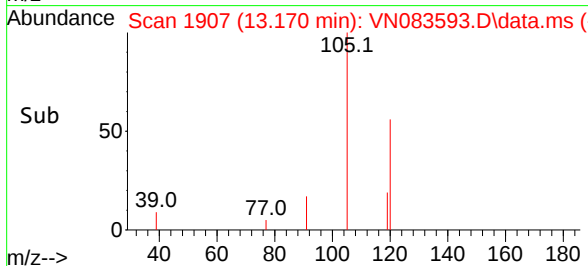
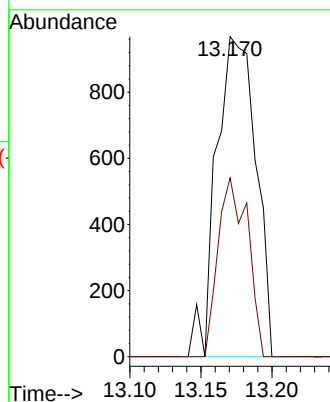
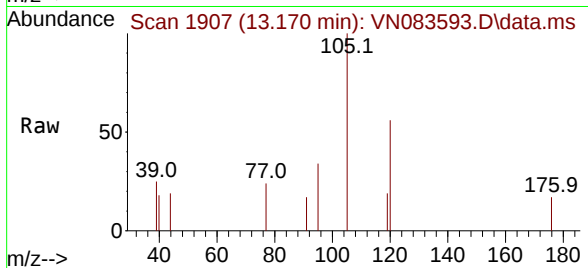




#80  
 1,3,5-Trimethylbenzene  
 Concen: 0.222 ug/l  
 RT: 13.170 min Scan# 1907  
 Delta R.T. 0.000 min  
 Lab File: VN083593.D  
 Acq: 31 Aug 2024 04:34

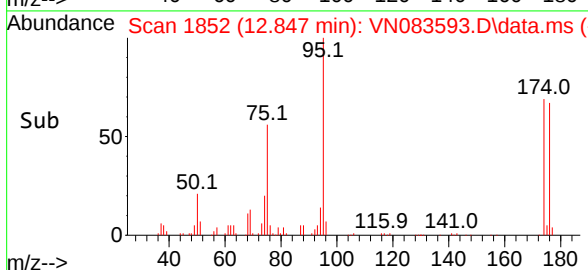
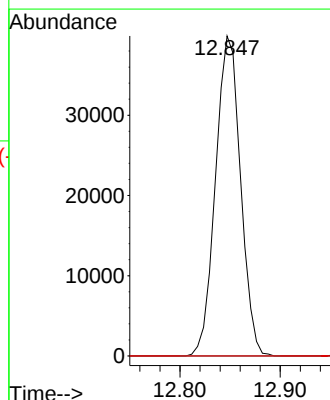
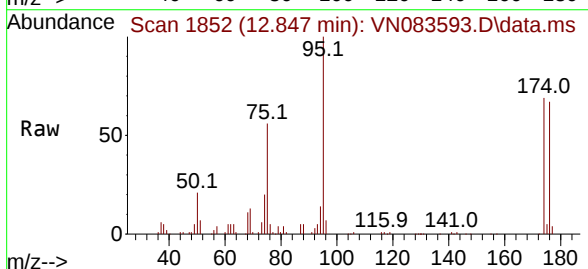
Instrument :  
 MSVOA\_N  
 ClientSampleId :

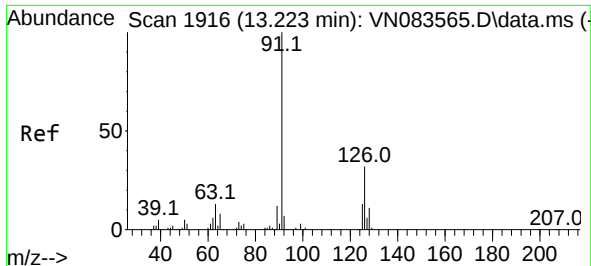
Tgt Ion:105 Resp: 1874  
 Ion Ratio Lower Upper  
 105 100  
 120 41.8 23.4 70.3



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 65.105 ug/l  
 RT: 12.847 min Scan# 1852  
 Delta R.T. 0.112 min  
 Lab File: VN083593.D  
 Acq: 31 Aug 2024 04:34

Tgt Ion: 75 Resp: 69021  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 81.2 121.8#  
 89 0.0 35.7 53.5#

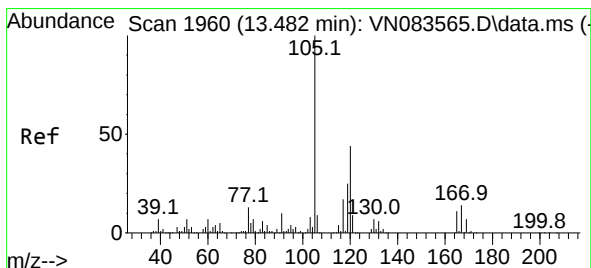
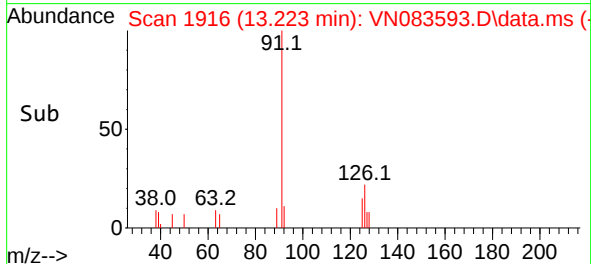
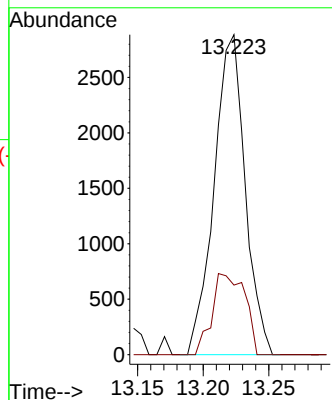
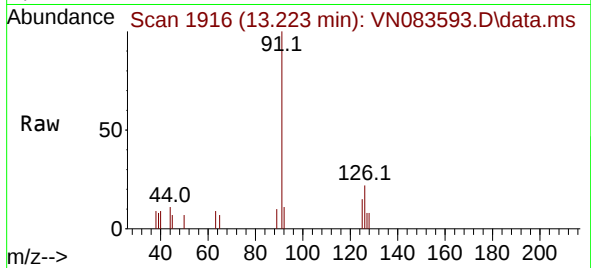




#82  
4-Chlorotoluene  
Concen: 0.622 ug/l  
RT: 13.223 min Scan# 1916  
Delta R.T. 0.000 min  
Lab File: VN083593.D  
Acq: 31 Aug 2024 04:34

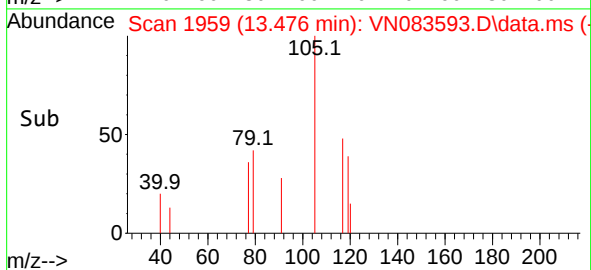
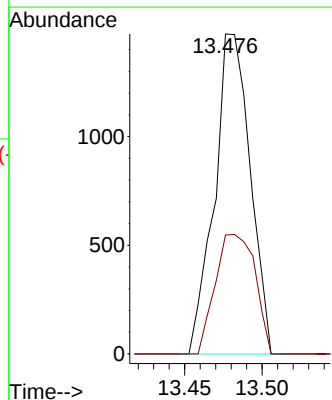
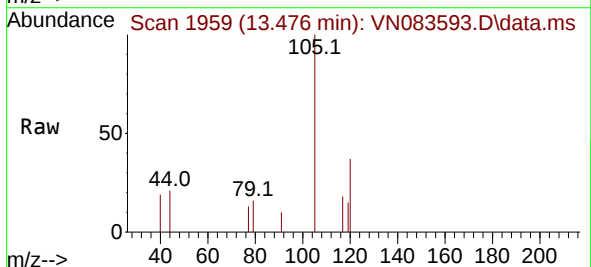
Instrument :  
MSVOA\_N  
ClientSampleId :

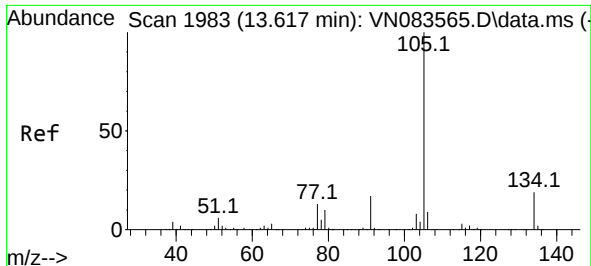
Tgt Ion: 91 Resp: 4748  
Ion Ratio Lower Upper  
91 100  
126 26.8 15.4 46.2



#84  
1,2,4-Trimethylbenzene  
Concen: 0.277 ug/l  
RT: 13.476 min Scan# 1959  
Delta R.T. -0.006 min  
Lab File: VN083593.D  
Acq: 31 Aug 2024 04:34

Tgt Ion: 105 Resp: 2357  
Ion Ratio Lower Upper  
105 100  
120 41.6 21.8 65.4

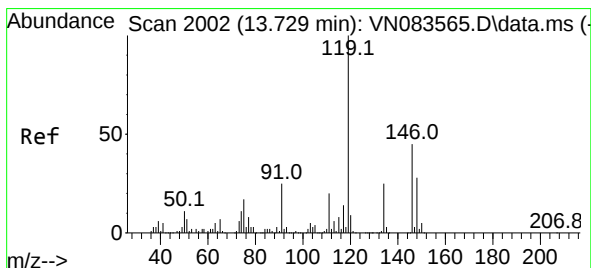
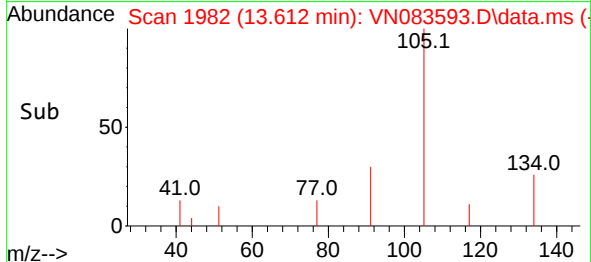
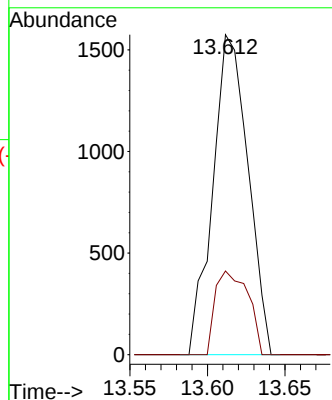
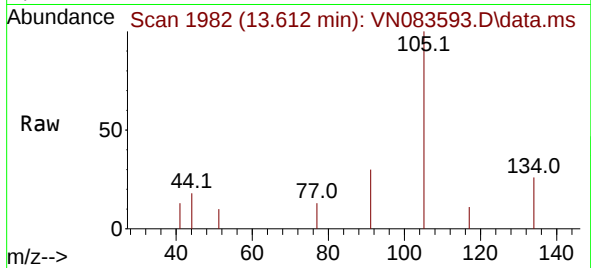




#85  
 sec-Butylbenzene  
 Concen: 0.250 ug/l  
 RT: 13.612 min Scan# 1982  
 Delta R.T. -0.006 min  
 Lab File: VN083593.D  
 Acq: 31 Aug 2024 04:34

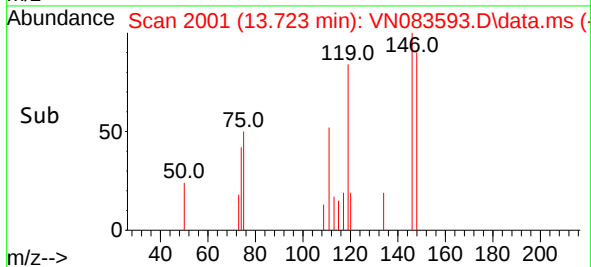
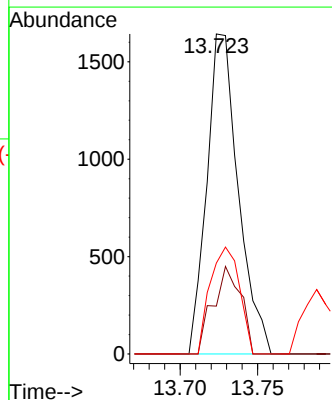
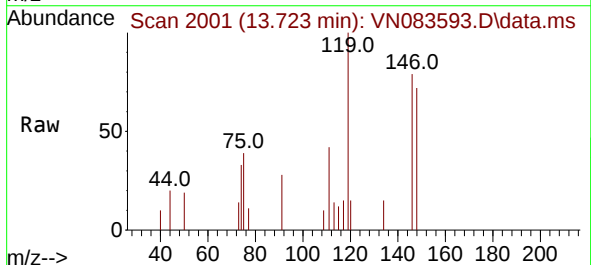
Instrument :  
 MSVOA\_N  
 ClientSampleId :

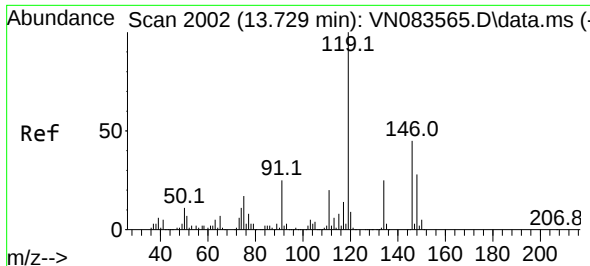
Tgt Ion:105 Resp: 2499  
 Ion Ratio Lower Upper  
 105 100  
 134 24.2 9.7 29.1



#86  
 p-Isopropyltoluene  
 Concen: 0.279 ug/l  
 RT: 13.723 min Scan# 2001  
 Delta R.T. -0.006 min  
 Lab File: VN083593.D  
 Acq: 31 Aug 2024 04:34

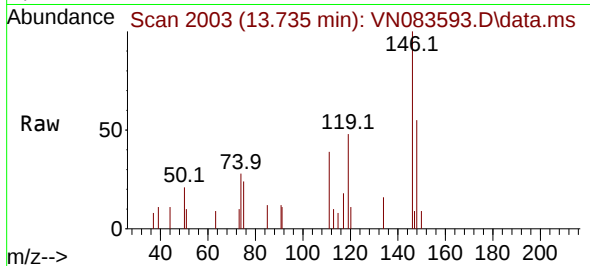
Tgt Ion:119 Resp: 2324  
 Ion Ratio Lower Upper  
 119 100  
 134 24.0 12.8 38.3  
 91 31.1 12.9 38.7



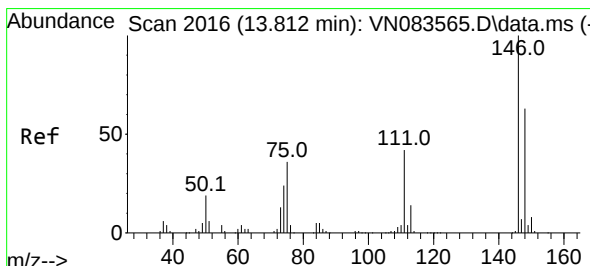
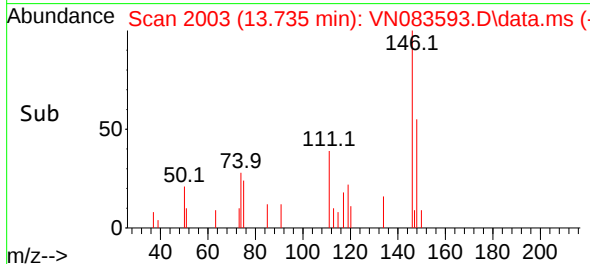
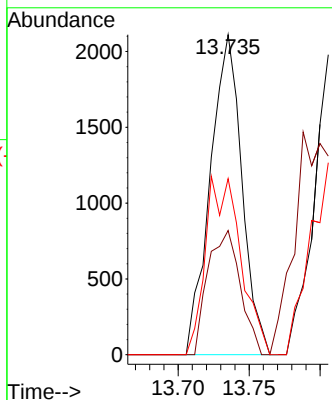


#87  
 1,3-Dichlorobenzene  
 Concen: 0.718 ug/l  
 RT: 13.735 min Scan# 2003  
 Delta R.T. 0.006 min  
 Lab File: VN083593.D  
 Acq: 31 Aug 2024 04:34

Instrument :  
 MSVOA\_N  
 ClientSampleId :

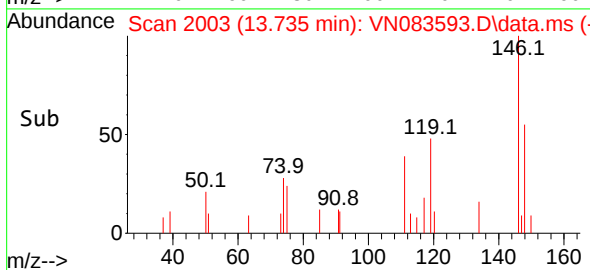
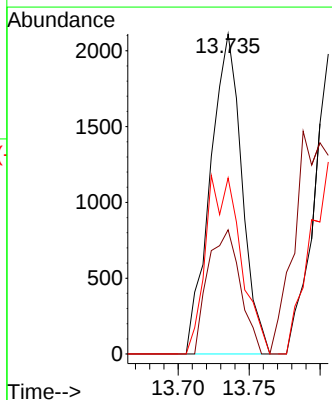
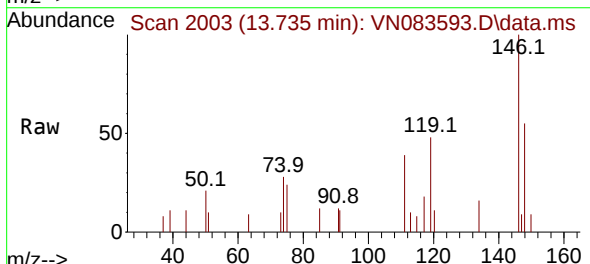


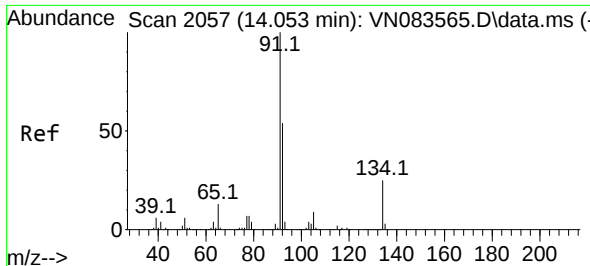
Tgt Ion:146 Resp: 3280  
 Ion Ratio Lower Upper  
 146 100  
 111 39.6 21.7 65.1  
 148 61.6 31.7 95.1



#88  
 1,4-Dichlorobenzene  
 Concen: 0.699 ug/l  
 RT: 13.735 min Scan# 2003  
 Delta R.T. -0.076 min  
 Lab File: VN083593.D  
 Acq: 31 Aug 2024 04:34

Tgt Ion:146 Resp: 3280  
 Ion Ratio Lower Upper  
 146 100  
 111 39.6 21.3 64.0  
 148 61.6 32.0 96.2

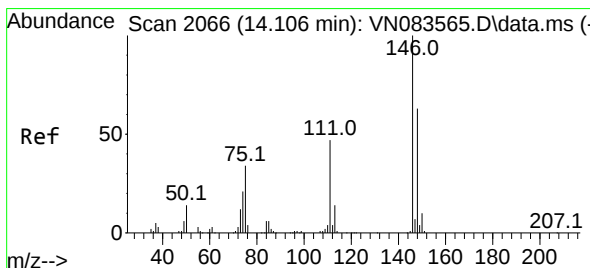
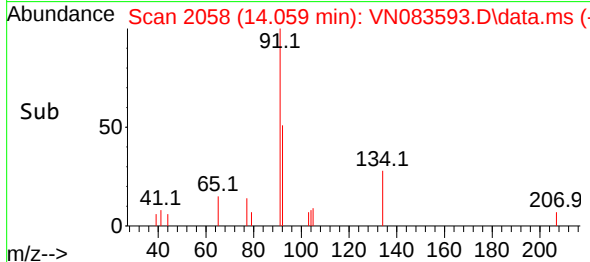
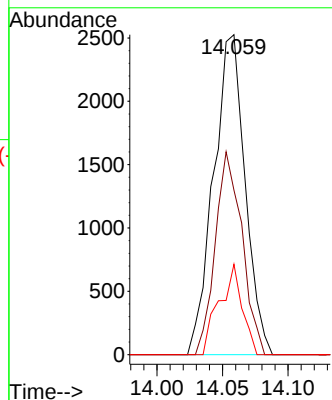
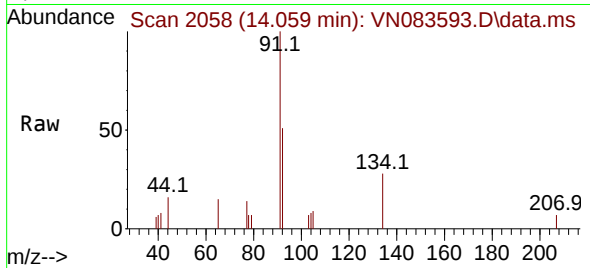




#89  
n-Butylbenzene  
Concen: 0.576 ug/l  
RT: 14.059 min Scan# 2057  
Delta R.T. 0.006 min  
Lab File: VN083593.D  
Acq: 31 Aug 2024 04:34

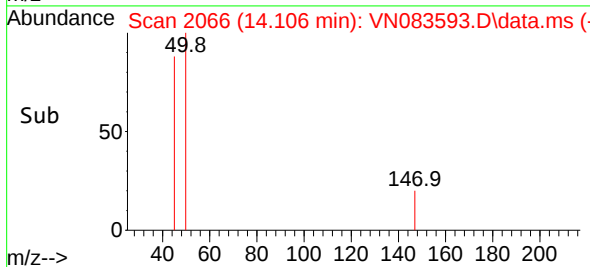
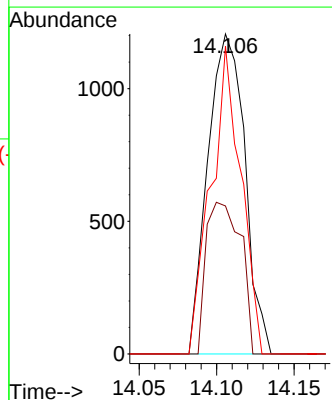
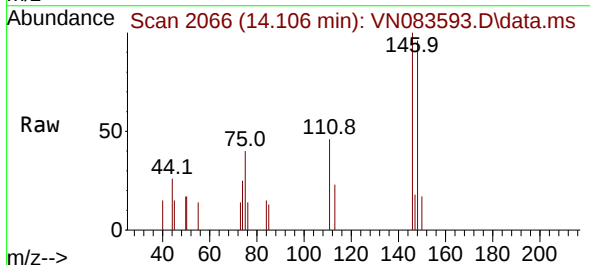
Instrument :  
MSVOA\_N  
ClientSampleId :

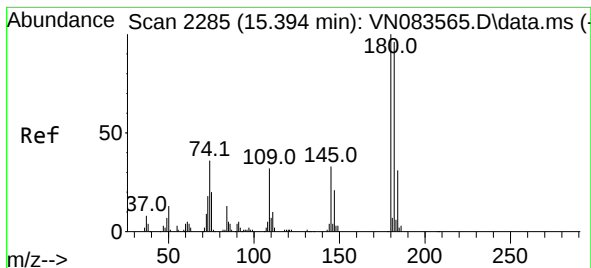
Tgt Ion: 91 Resp: 4226  
Ion Ratio Lower Upper  
91 100  
92 53.6 26.7 80.1  
134 20.5 12.2 36.4



#91  
1,2-Dichlorobenzene  
Concen: 0.455 ug/l  
RT: 14.106 min Scan# 2066  
Delta R.T. 0.000 min  
Lab File: VN083593.D  
Acq: 31 Aug 2024 04:34

Tgt Ion:146 Resp: 2001  
Ion Ratio Lower Upper  
146 100  
111 44.5 22.8 68.3  
148 78.3 32.1 96.5





#93

1,2,4-Trichlorobenzene

Concen: 0.893 ug/l

RT: 15.394 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN083593.D

Acq: 31 Aug 2024 04:34

Instrument :

MSVOA\_N

ClientSampleId :

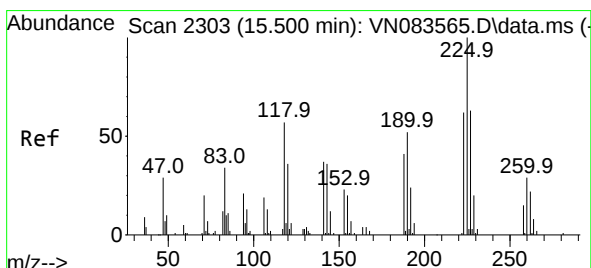
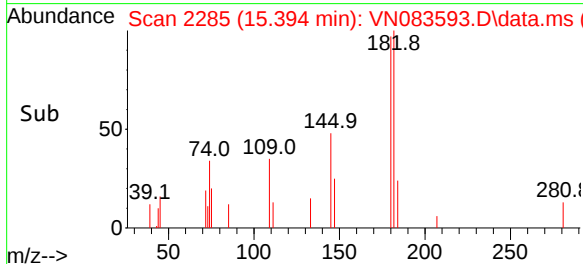
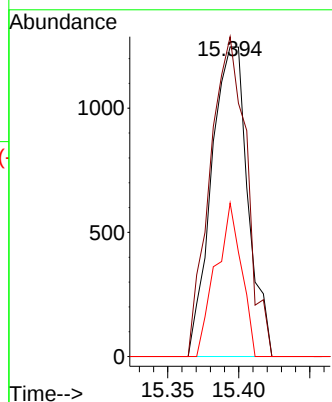
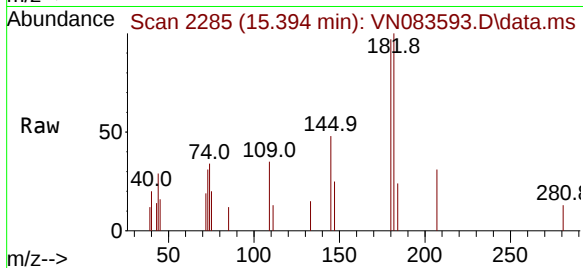
Tgt Ion:180 Resp: 2227

Ion Ratio Lower Upper

180 100

182 103.7 48.1 144.3

145 34.8 16.9 50.7



#94

Hexachlorobutadiene

Concen: 0.467 ug/l

RT: 15.494 min Scan# 2302

Delta R.T. -0.006 min

Lab File: VN083593.D

Acq: 31 Aug 2024 04:34

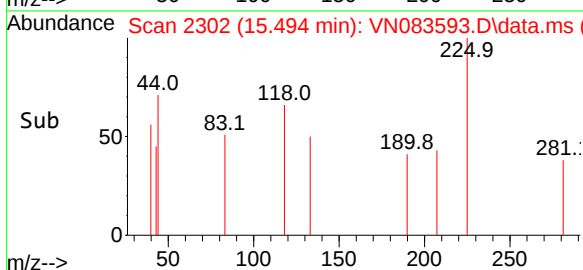
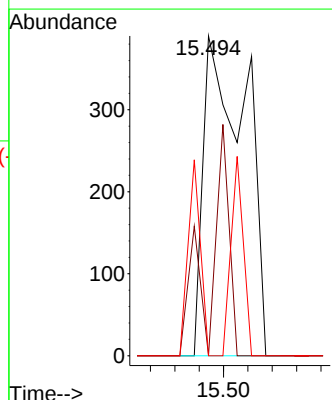
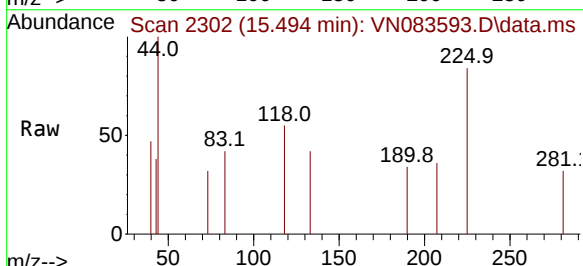
Tgt Ion:225 Resp: 466

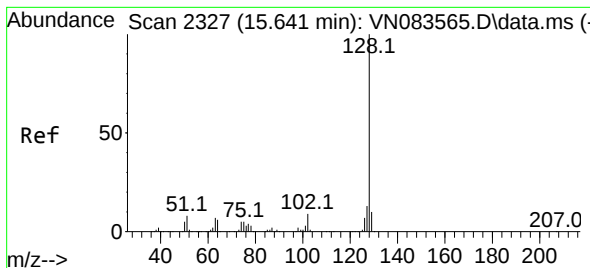
Ion Ratio Lower Upper

225 100

223 33.3 31.9 95.5

227 18.5 32.0 96.2#





#95

Naphthalene

Concen: 0.848 ug/l

RT: 15.641 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN083593.D

Acq: 31 Aug 2024 04:34

Instrument :

MSVOA\_N

ClientSampleId :

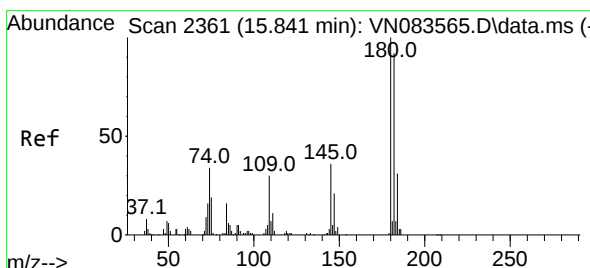
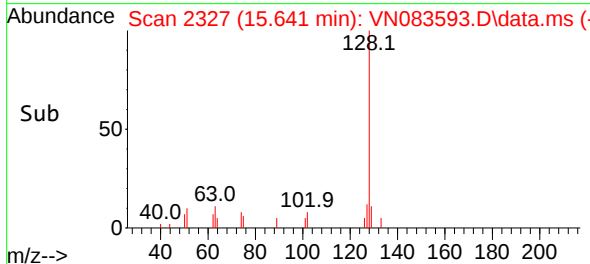
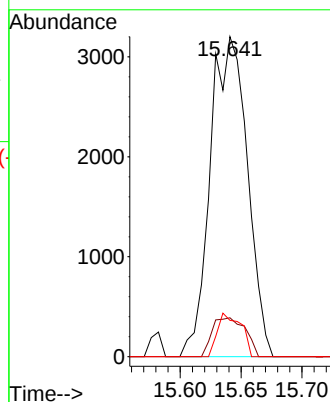
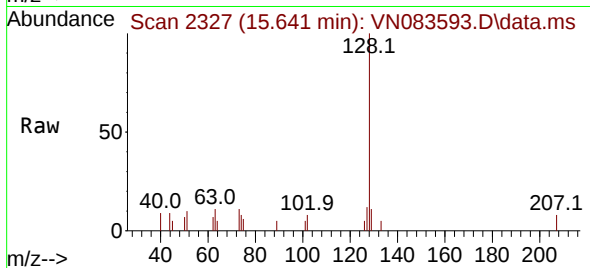
Tgt Ion:128 Resp: 6792

Ion Ratio Lower Upper

128 100

127 10.8 10.2 15.2

129 8.6 8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 0.987 ug/l

RT: 15.829 min Scan# 2359

Delta R.T. -0.012 min

Lab File: VN083593.D

Acq: 31 Aug 2024 04:34

Tgt Ion:180 Resp: 2457

Ion Ratio Lower Upper

180 100

182 90.3 47.1 141.4

145 31.6 17.8 53.5

