

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX042923\  
 Data File : VX035424.D  
 Acq On : 29 Apr 2023 15:20  
 Operator : JC/MD  
 Sample : 02522-08RE  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-10D

Quant Time: May 01 04:29:19 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X042523W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 25 16:31:40 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.550  | 168  | 248429   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.763  | 114  | 406010   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.055 | 117  | 367926   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152  | 175182   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 5.952  | 65    | 145173   | 48.437   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =    | 96.880%  |
| 35) Dibromofluoromethane    | 5.385  | 113   | 125370   | 50.310   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 100.620% |
| 50) Toluene-d8              | 8.647  | 98    | 474730   | 50.500   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =    | 101.000% |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 178362   | 50.437   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 100.880% |

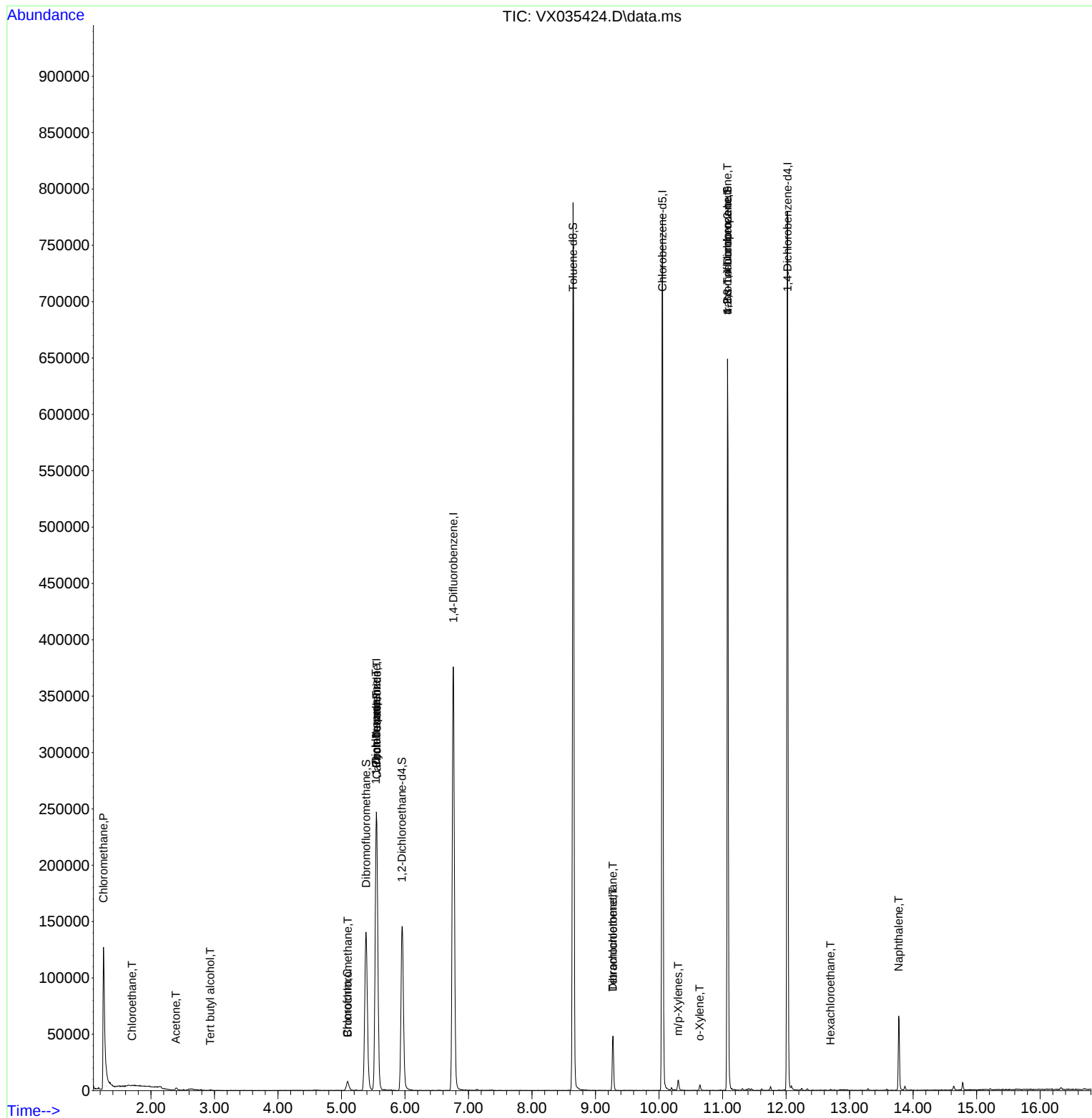
| Target Compounds              |        |     |       |        | Qvalue |      |
|-------------------------------|--------|-----|-------|--------|--------|------|
| 3) Chloromethane              | 1.252  | 50  | 3157  | 1.320  | ug/l   | # 42 |
| 6) Chloroethane               | 1.703  | 64  | 701   | 0.500  | ug/l   | # 42 |
| 11) Tert butyl alcohol        | 2.934  | 59  | 304   | 0.557  | ug/l   | # 73 |
| 16) Acetone                   | 2.392  | 43  | 3231  | 2.482  | ug/l   | 98   |
| 28) Bromochloromethane        | 5.099  | 49  | 580   | 0.288  | ug/l   | # 15 |
| 30) Chloroform                | 5.092  | 83  | 9838  | 2.059  | ug/l   | 87   |
| 31) Cyclohexane               | 5.550  | 56  | 4622  | 1.087  | ug/l   | # 1  |
| 36) 1,1-Dichloropropene       | 5.544  | 75  | 17890 | 4.598  | ug/l   | # 50 |
| 38) Carbon Tetrachloride      | 5.556  | 117 | 24134 | 6.534  | ug/l   | # 16 |
| 60) Dibromochloromethane      | 9.275  | 129 | 8495  | 3.143  | ug/l   | # 10 |
| 64) Tetrachloroethene         | 9.275  | 164 | 9699  | 3.443  | ug/l   | 97   |
| 68) m/p-Xylenes               | 10.299 | 106 | 2288  | 0.433  | ug/l   | 96   |
| 69) o-Xylene                  | 10.640 | 106 | 1350  | 0.261  | ug/l   | 84   |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75  | 88428 | 25.305 | ug/l   | # 34 |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75  | 88428 | 81.958 | ug/l   | # 8  |
| 90) Hexachloroethane          | 12.701 | 117 | 569   | 0.329  | ug/l   | # 15 |
| 95) Naphthalene               | 13.774 | 128 | 44641 | 3.813  | ug/l   | 99   |

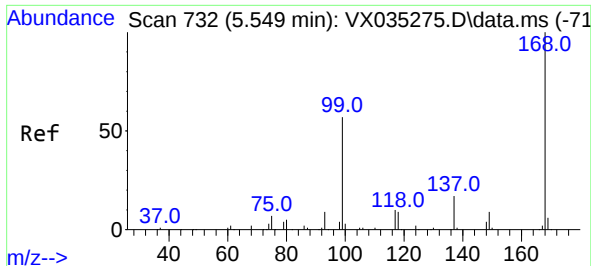
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX042923\  
Data File : VX035424.D  
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Sample : 02522-08RE  
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ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-10D

Quant Time: May 01 04:29:19 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X042523W.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 25 16:31:40 2023  
Response via : Initial Calibration

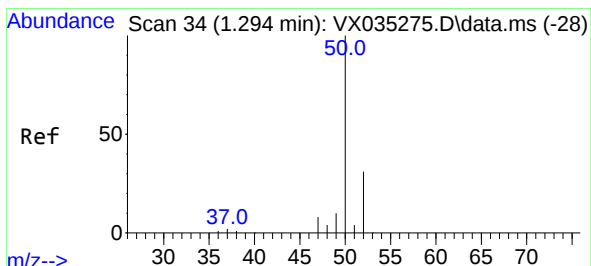
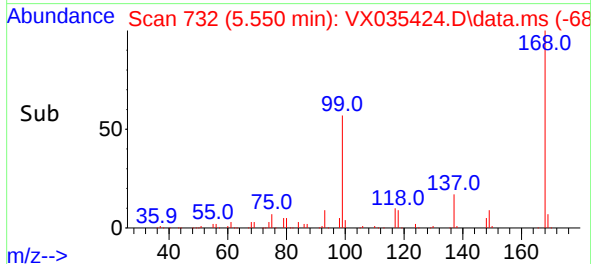
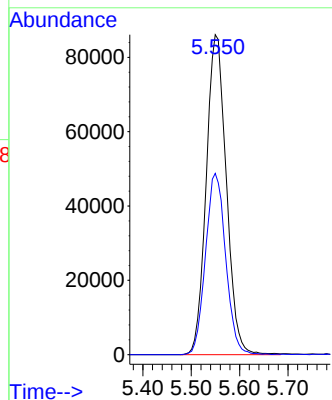
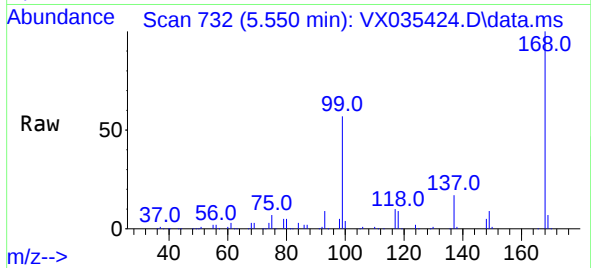




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. 0.001 min  
Lab File: VX035424.D  
Acq: 29 Apr 2023 15:20

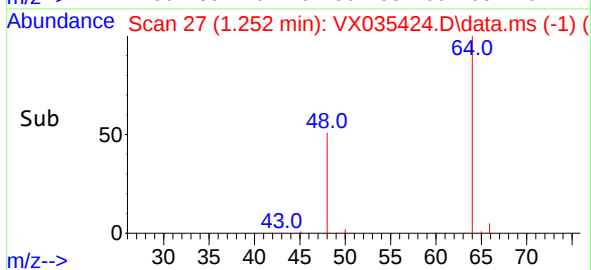
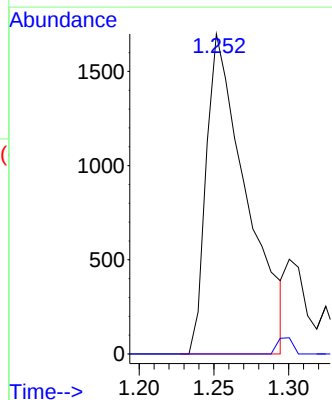
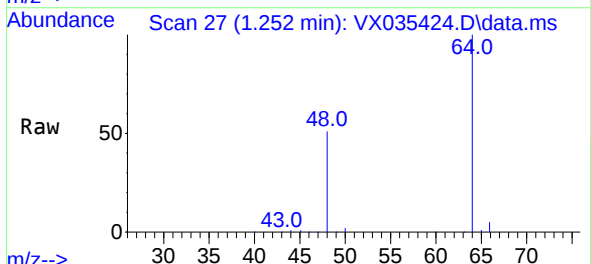
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MSVOA\_X  
ClientSampleId :  
MW-10D

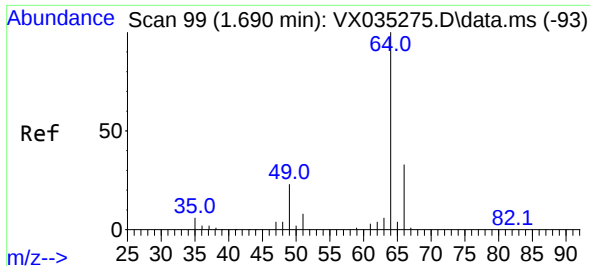
Tgt Ion:168 Resp: 248429  
Ion Ratio Lower Upper  
168 100  
99 56.7 45.7 68.5



#3  
Chloromethane  
Concen: 1.320 ug/l  
RT: 1.252 min Scan# 27  
Delta R.T. -0.042 min  
Lab File: VX035424.D  
Acq: 29 Apr 2023 15:20

Tgt Ion: 50 Resp: 3157  
Ion Ratio Lower Upper  
50 100  
52 0.0 25.9 38.9#

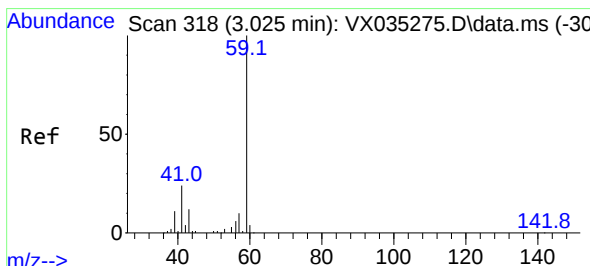
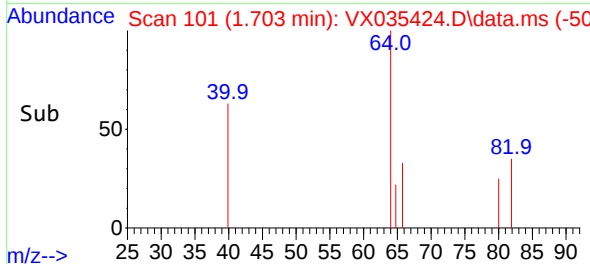
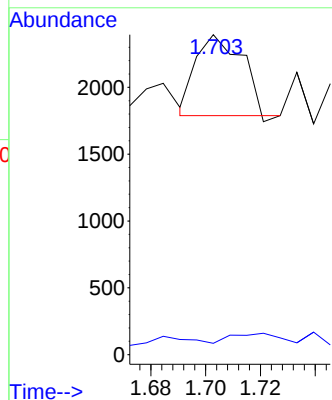
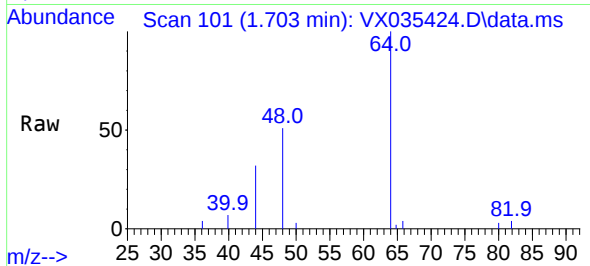




#6  
Chloroethane  
Concen: 0.500 ug/l  
RT: 1.703 min Scan# 101  
Delta R.T. 0.013 min  
Lab File: VX035424.D  
Acq: 29 Apr 2023 15:20

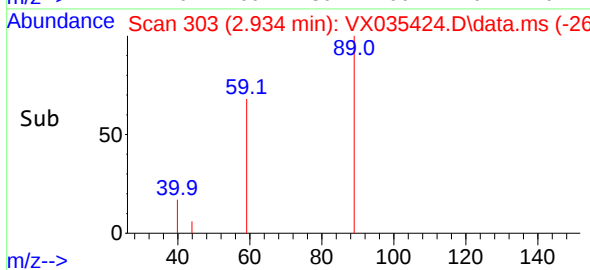
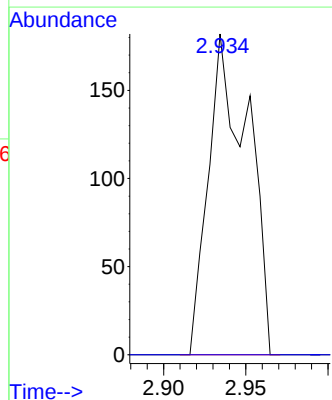
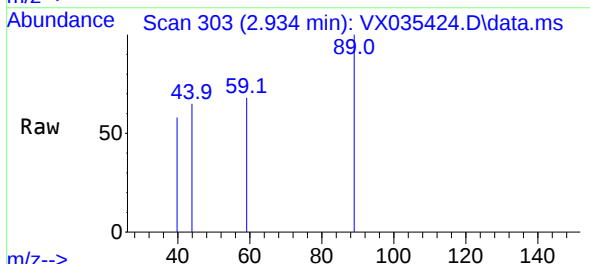
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-10D

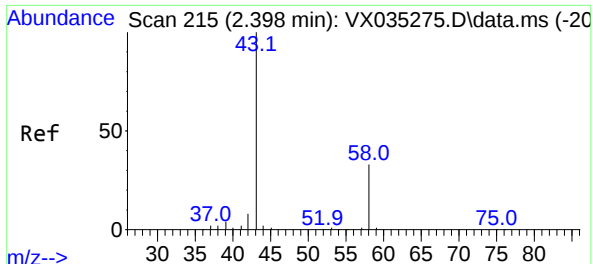
Tgt Ion: 64 Resp: 701  
Ion Ratio Lower Upper  
64 100  
66 0.0 26.2 39.4#



#11  
Tert butyl alcohol  
Concen: 0.557 ug/l  
RT: 2.934 min Scan# 303  
Delta R.T. -0.091 min  
Lab File: VX035424.D  
Acq: 29 Apr 2023 15:20

Tgt Ion: 59 Resp: 304  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.1 12.1#

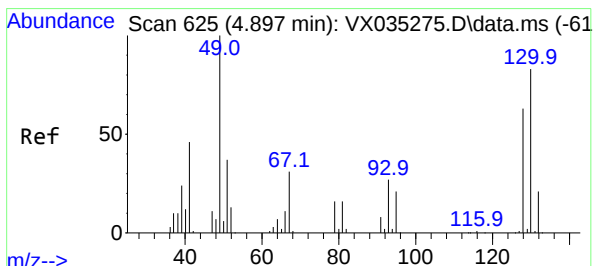
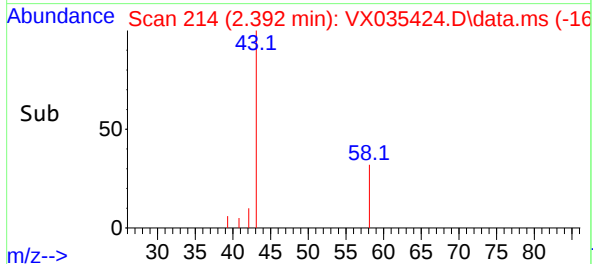
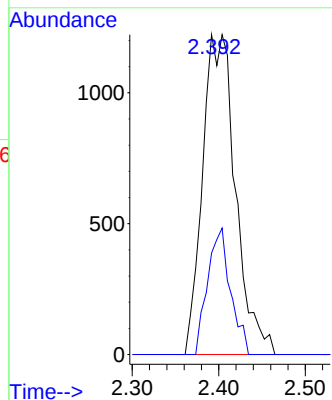
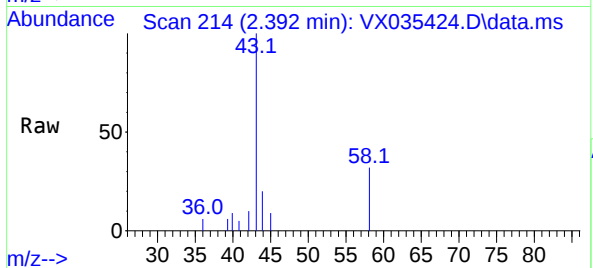




#16  
Acetone  
Concen: 2.482 ug/l  
RT: 2.392 min Scan# 215  
Delta R.T. -0.006 min  
Lab File: VX035424.D  
Acq: 29 Apr 2023 15:20

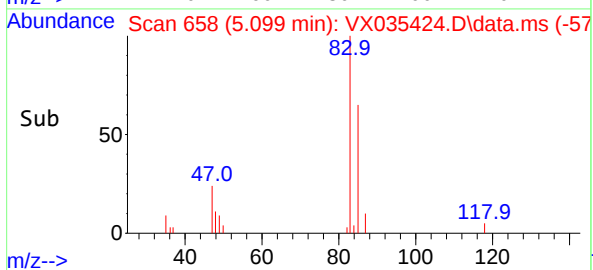
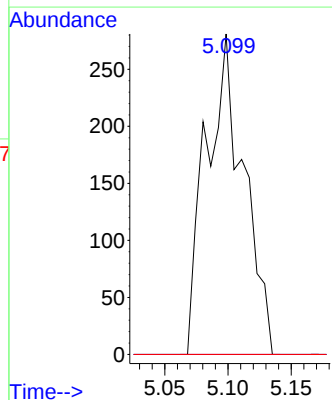
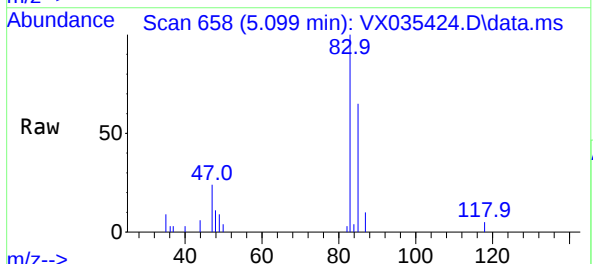
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-10D

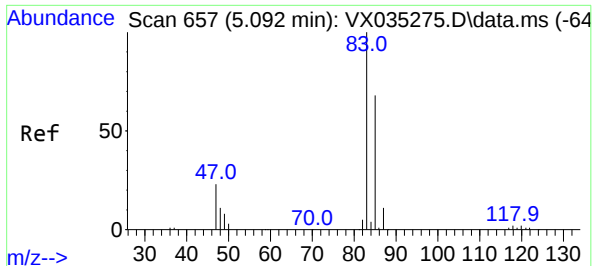
Tgt Ion: 43 Resp: 3231  
Ion Ratio Lower Upper  
43 100  
58 31.8 24.7 37.1



#28  
Bromochloromethane  
Concen: 0.288 ug/l  
RT: 5.099 min Scan# 658  
Delta R.T. 0.202 min  
Lab File: VX035424.D  
Acq: 29 Apr 2023 15:20

Tgt Ion: 49 Resp: 580  
Ion Ratio Lower Upper  
49 100  
129 0.0 0.0 4.0  
130 0.0 58.2 87.2#





#30

Chloroform

Concen: 2.059 ug/l

RT: 5.092 min Scan# 61

Delta R.T. 0.000 min

Lab File: VX035424.D

Acq: 29 Apr 2023 15:20

Instrument :

MSVOA\_X

ClientSampleId :

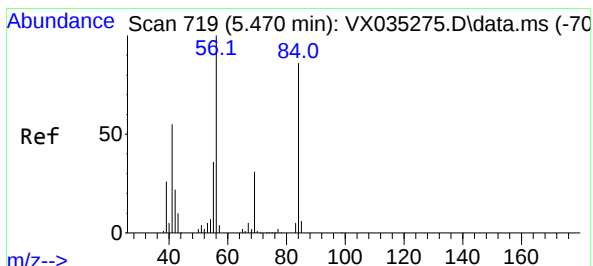
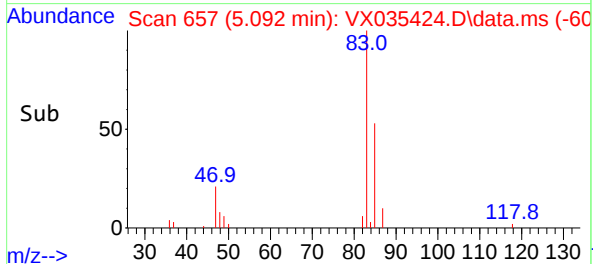
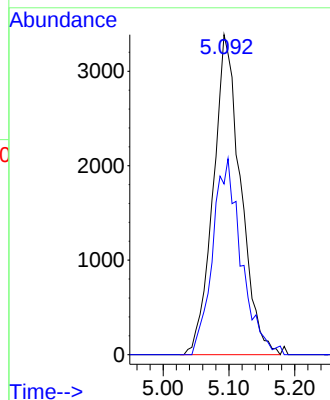
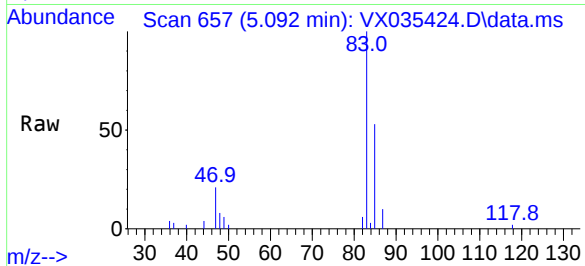
MW-10D

Tgt Ion: 83 Resp: 9838

Ion Ratio Lower Upper

83 100

85 53.3 50.6 76.0



#31

Cyclohexane

Concen: 1.087 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.080 min

Lab File: VX035424.D

Acq: 29 Apr 2023 15:20

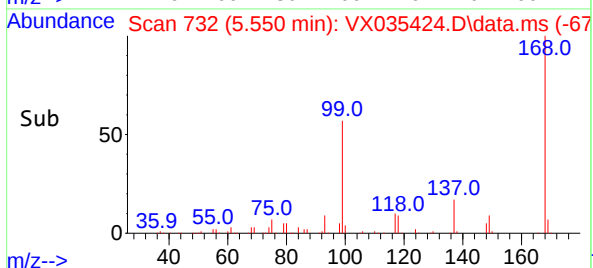
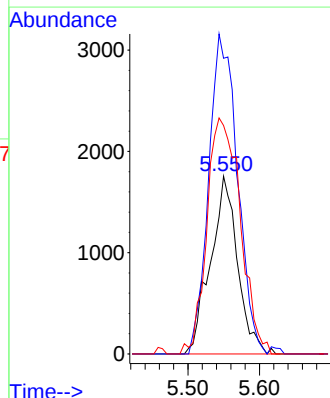
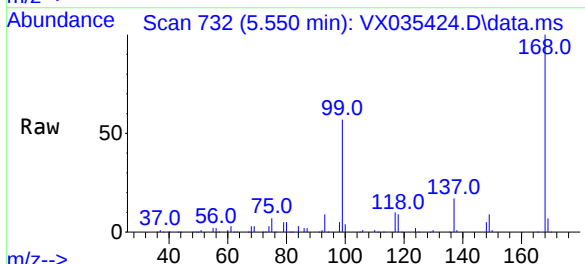
Tgt Ion: 56 Resp: 4622

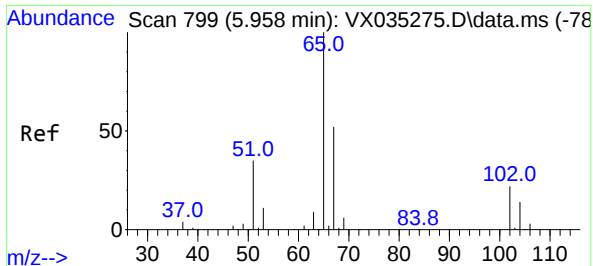
Ion Ratio Lower Upper

56 100

69 166.3 23.7 35.5#

84 128.5 68.5 102.7#





#33

1,2-Dichloroethane-d4

Concen: 48.437 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX035424.D

Acq: 29 Apr 2023 15:20

Instrument :

MSVOA\_X

ClientSampleId :

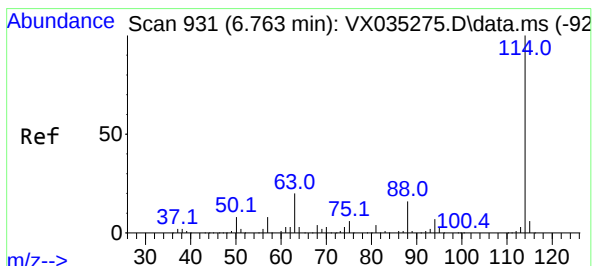
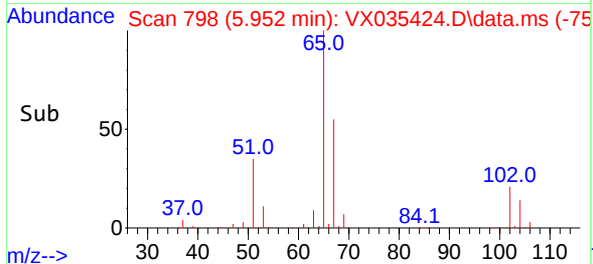
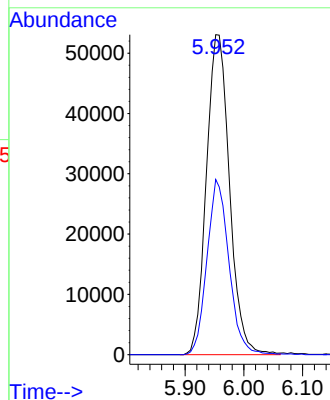
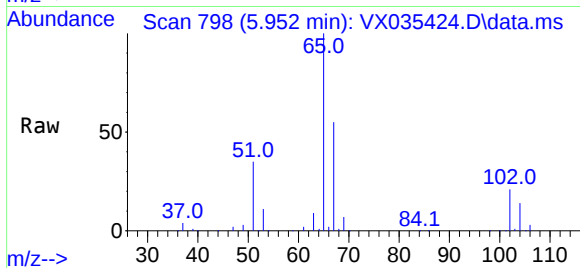
MW-10D

Tgt Ion: 65 Resp: 145173

Ion Ratio Lower Upper

65 100

67 52.1 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX035424.D

Acq: 29 Apr 2023 15:20

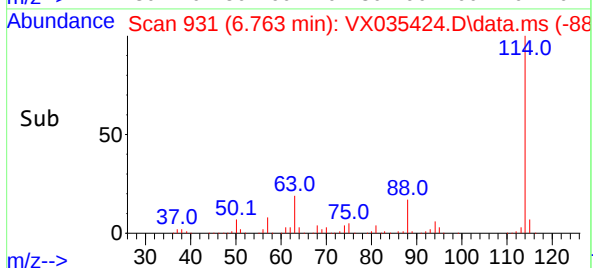
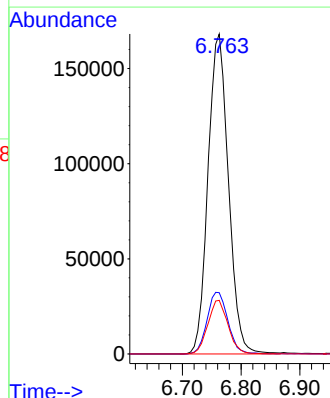
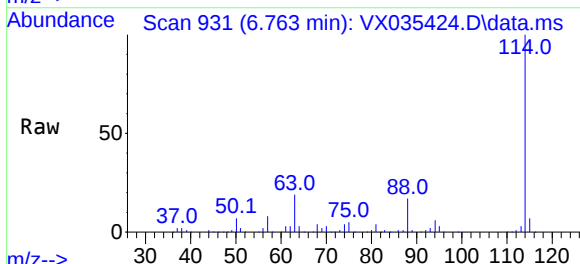
Tgt Ion: 114 Resp: 406010

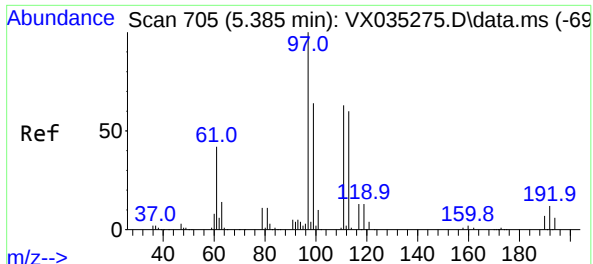
Ion Ratio Lower Upper

114 100

63 19.1 0.0 42.2

88 16.7 0.0 33.2

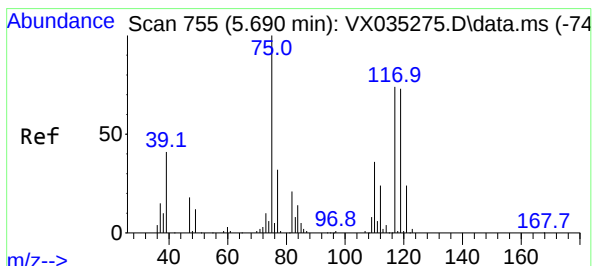
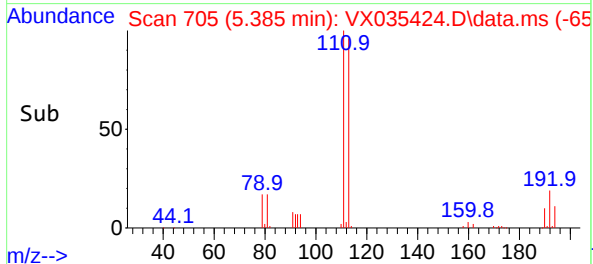
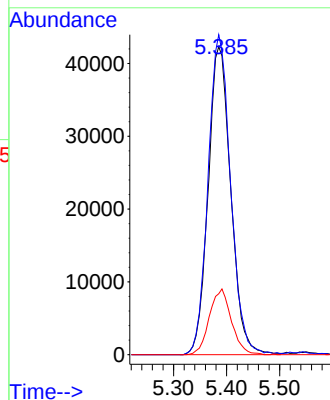
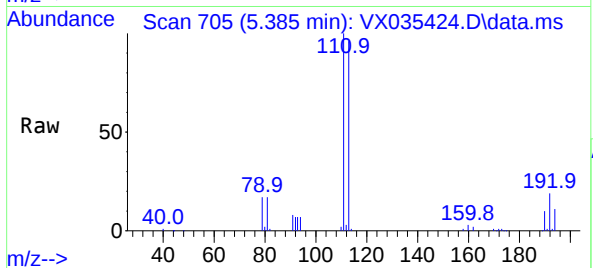




#35  
Dibromofluoromethane  
Concen: 50.310 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX035424.D  
Acq: 29 Apr 2023 15:20

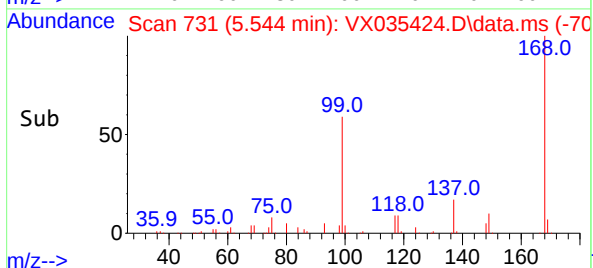
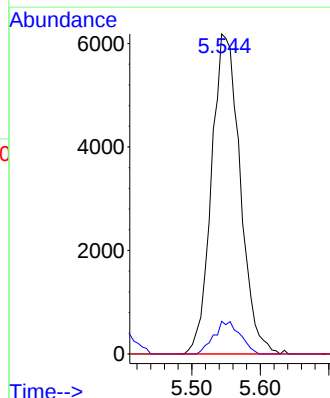
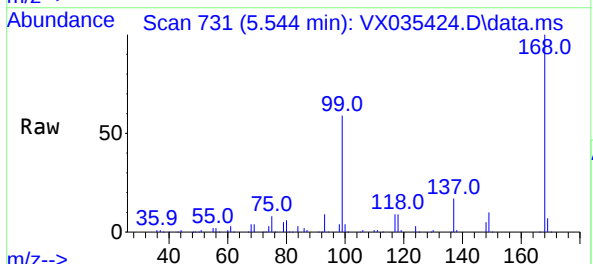
Instrument :  
MSVOA\_X  
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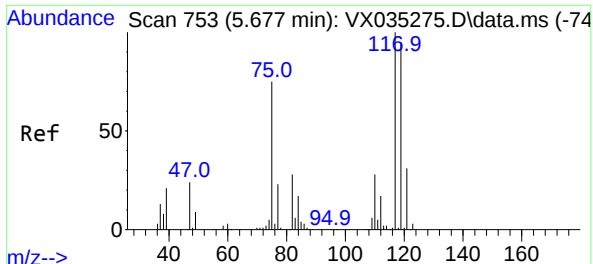
Tgt Ion:113 Resp: 125370  
Ion Ratio Lower Upper  
113 100  
111 103.5 83.7 125.5  
192 20.8 15.4 23.2



#36  
1,1-Dichloropropene  
Concen: 4.598 ug/l  
RT: 5.544 min Scan# 731  
Delta R.T. -0.146 min  
Lab File: VX035424.D  
Acq: 29 Apr 2023 15:20

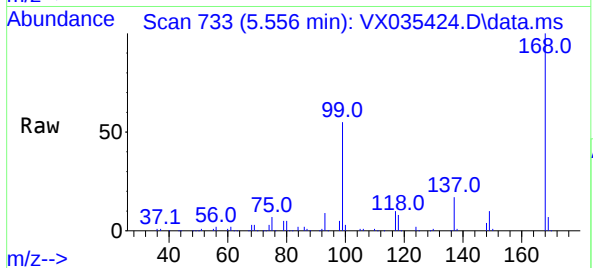
Tgt Ion: 75 Resp: 17890  
Ion Ratio Lower Upper  
75 100  
110 9.3 17.5 52.5#  
77 0.0 24.3 36.5#



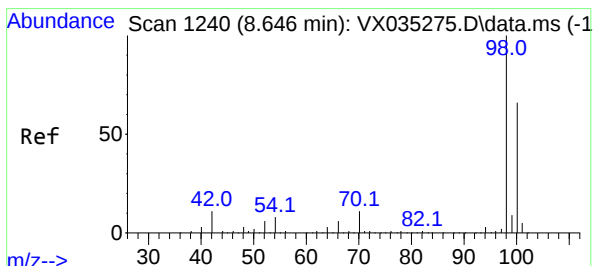
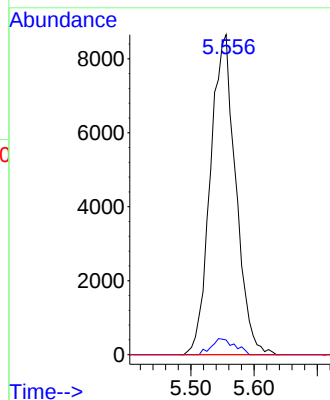
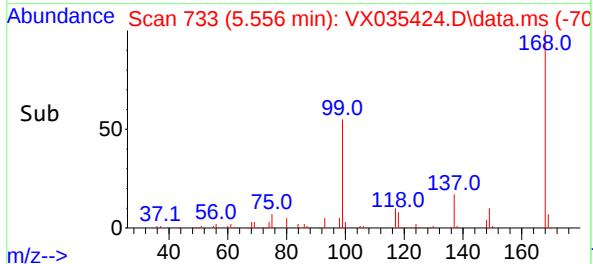


#38  
Carbon Tetrachloride  
Concen: 6.534 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.121 min  
Lab File: VX035424.D  
Acq: 29 Apr 2023 15:20

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-10D

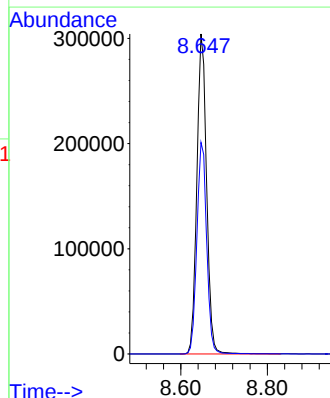
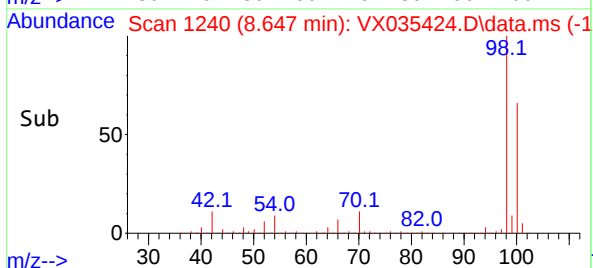
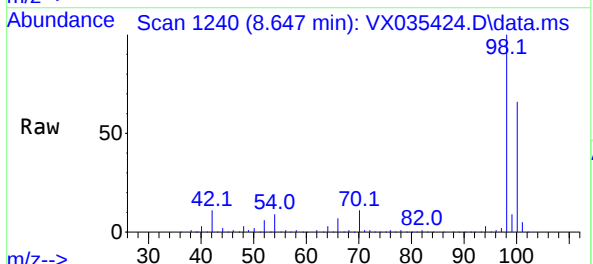


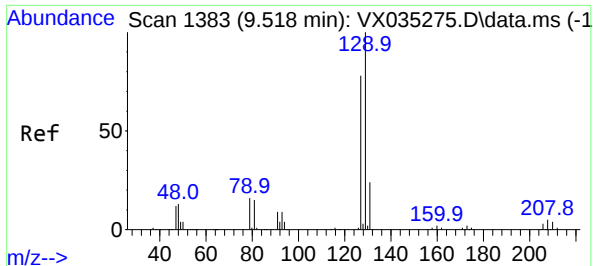
Tgt Ion:117 Resp: 24134  
Ion Ratio Lower Upper  
117 100  
119 4.6 76.6 114.8#  
121 0.0 23.8 35.6#



#50  
Toluene-d8  
Concen: 50.500 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.001 min  
Lab File: VX035424.D  
Acq: 29 Apr 2023 15:20

Tgt Ion: 98 Resp: 474730  
Ion Ratio Lower Upper  
98 100  
100 66.5 52.5 78.7

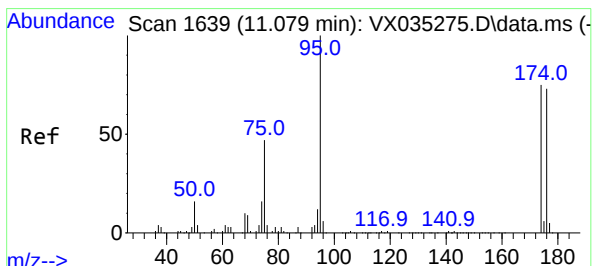
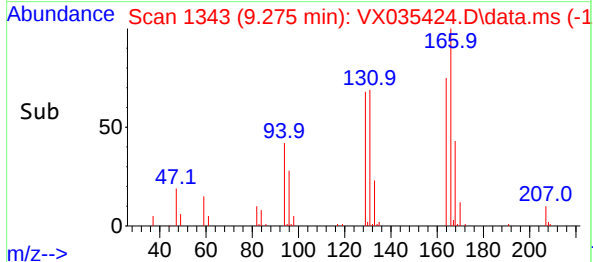
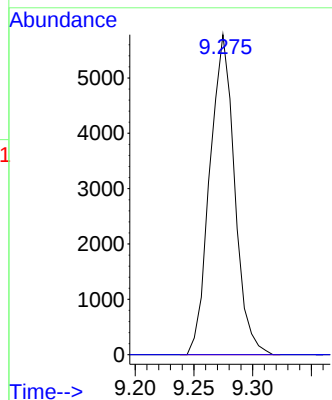
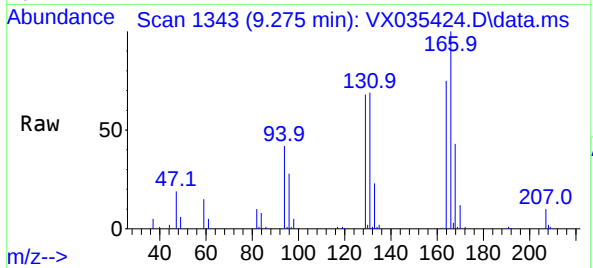




#60  
Dibromochloromethane  
Concen: 3.143 ug/l  
RT: 9.275 min Scan# 11  
Delta R.T. -0.243 min  
Lab File: VX035424.D  
Acq: 29 Apr 2023 15:20

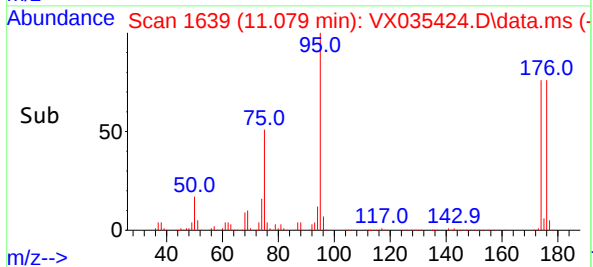
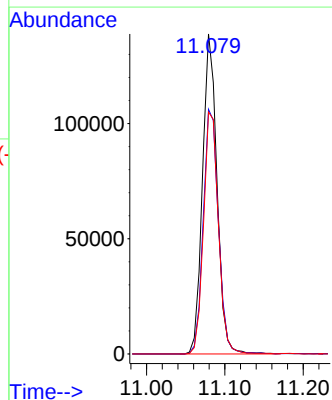
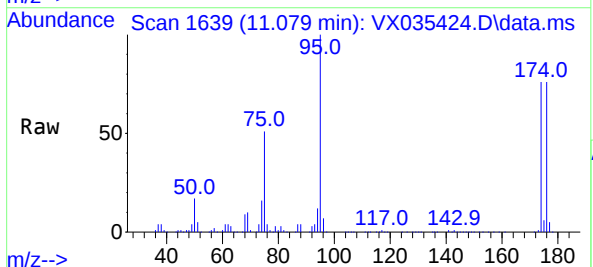
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-10D

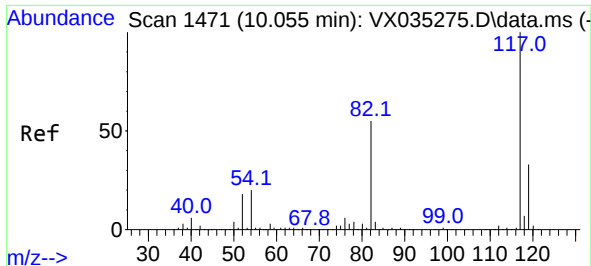
Tgt Ion:129 Resp: 8495  
Ion Ratio Lower Upper  
129 100  
127 0.0 39.0 117.0#



#62  
4-Bromofluorobenzene  
Concen: 50.437 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX035424.D  
Acq: 29 Apr 2023 15:20

Tgt Ion: 95 Resp: 178362  
Ion Ratio Lower Upper  
95 100  
174 79.9 0.0 147.4  
176 77.7 0.0 140.6

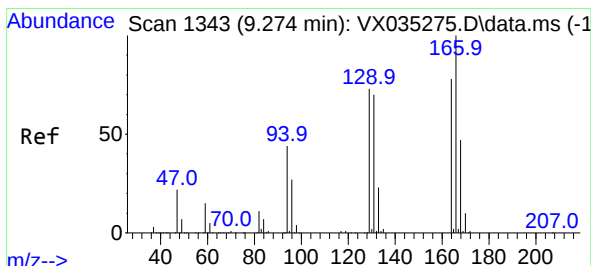
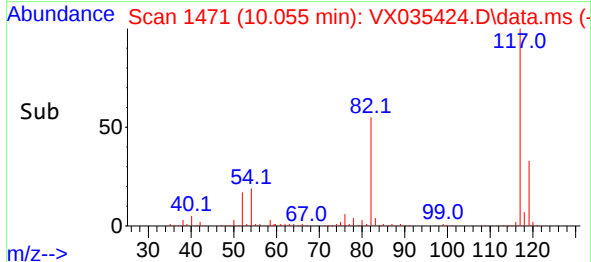
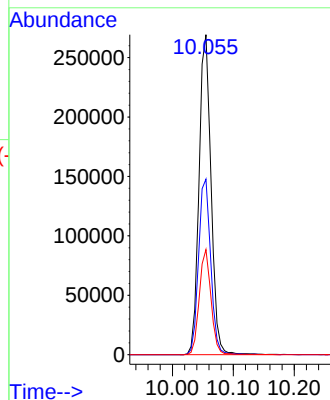
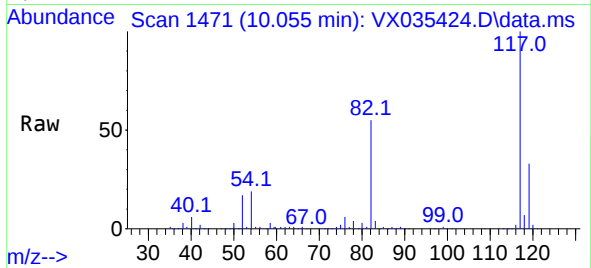




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX035424.D  
Acq: 29 Apr 2023 15:20

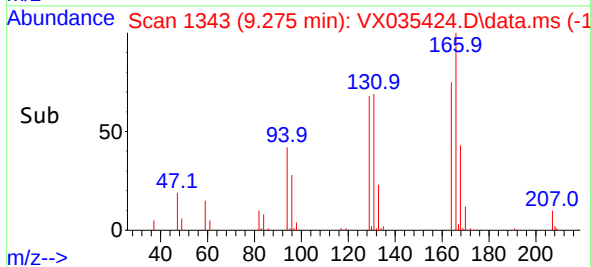
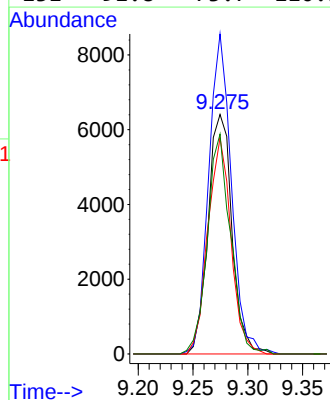
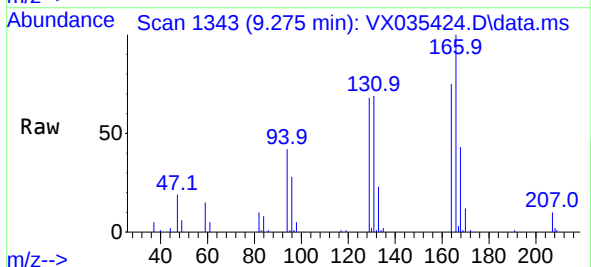
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-10D

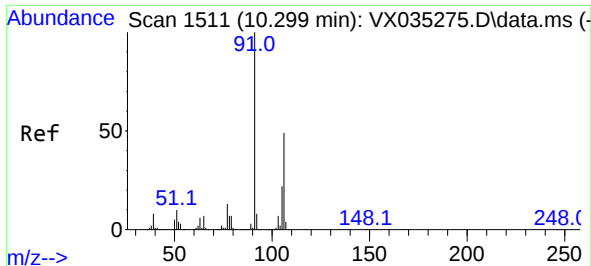
Tgt Ion:117 Resp: 367926  
Ion Ratio Lower Upper  
117 100  
82 54.8 45.0 67.4  
119 32.9 26.0 39.0



#64  
Tetrachloroethene  
Concen: 3.443 ug/l  
RT: 9.275 min Scan# 1343  
Delta R.T. 0.001 min  
Lab File: VX035424.D  
Acq: 29 Apr 2023 15:20

Tgt Ion:164 Resp: 9699  
Ion Ratio Lower Upper  
164 100  
166 133.6 102.7 154.1  
129 90.2 75.6 113.4  
131 91.8 73.7 110.5

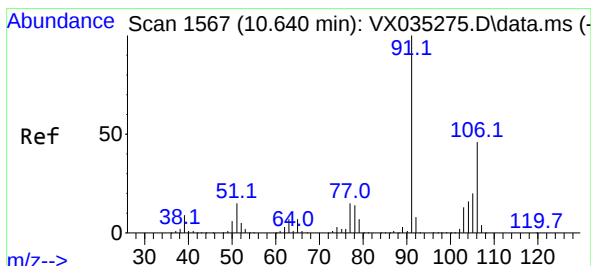
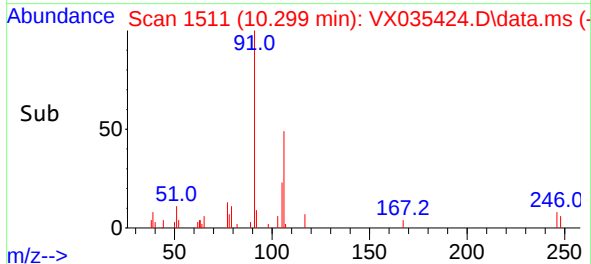
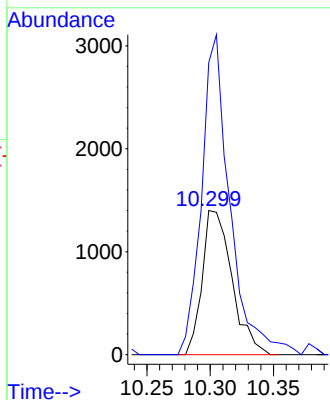
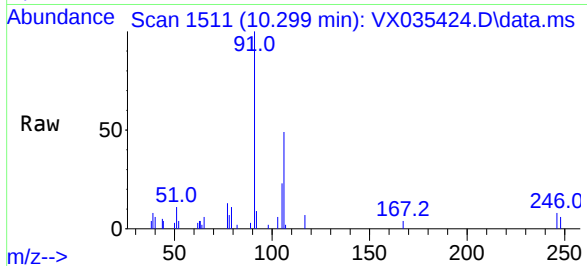




#68  
m/p-Xylenes  
Concen: 0.433 ug/l  
RT: 10.299 min Scan# 1511  
Delta R.T. -0.000 min  
Lab File: VX035424.D  
Acq: 29 Apr 2023 15:20

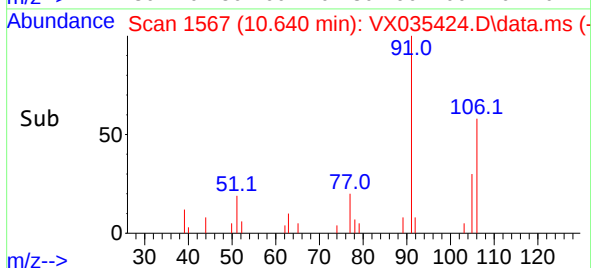
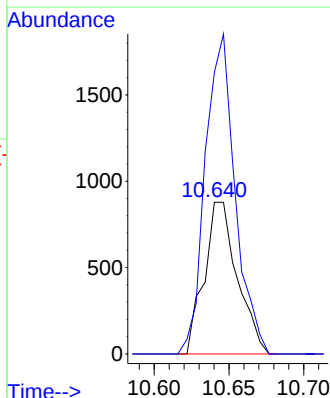
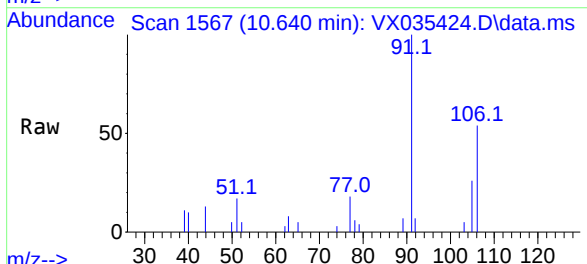
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-10D

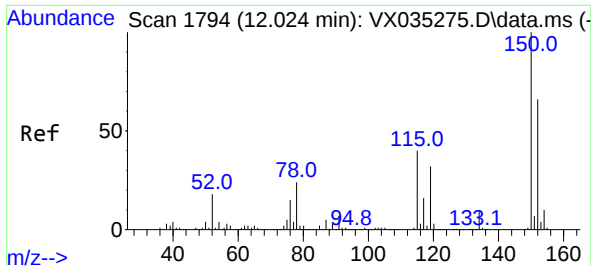
Tgt Ion:106 Resp: 2288  
Ion Ratio Lower Upper  
106 100  
91 211.7 164.0 246.0



#69  
o-Xylene  
Concen: 0.261 ug/l  
RT: 10.640 min Scan# 1567  
Delta R.T. 0.000 min  
Lab File: VX035424.D  
Acq: 29 Apr 2023 15:20

Tgt Ion:106 Resp: 1350  
Ion Ratio Lower Upper  
106 100  
91 190.7 108.5 325.3

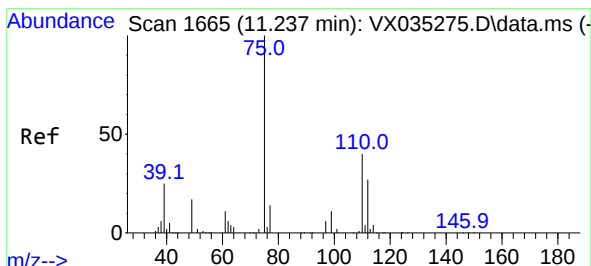
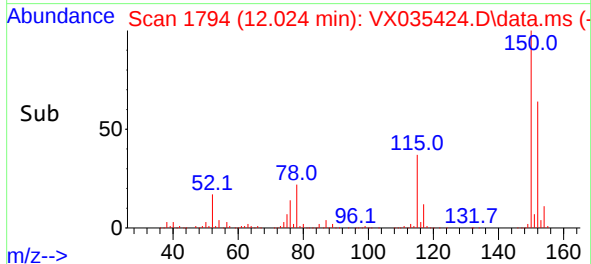
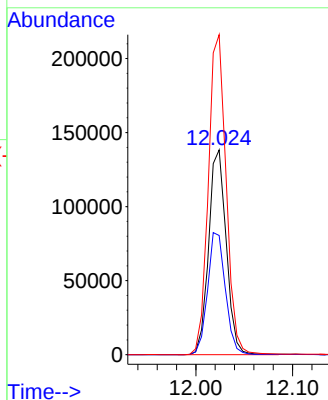
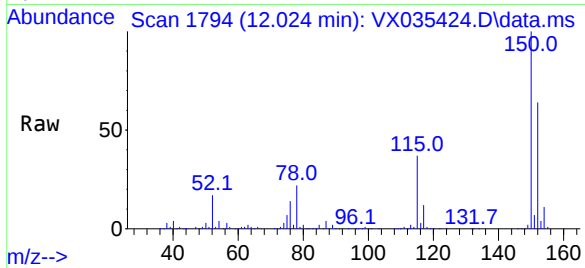




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX035424.D  
Acq: 29 Apr 2023 15:20

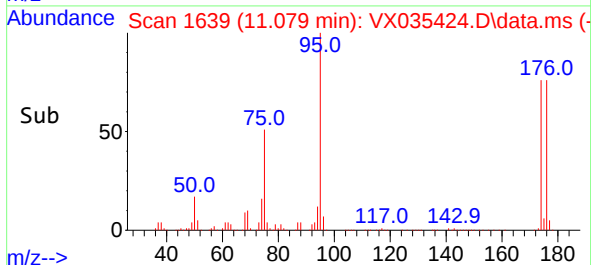
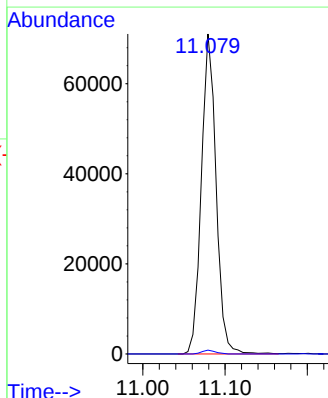
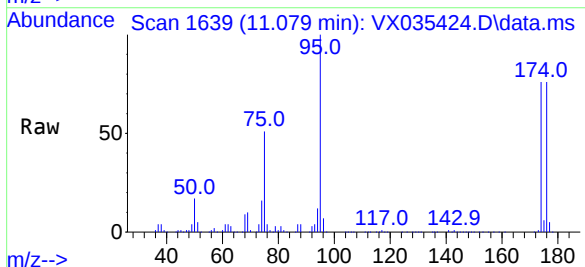
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-10D

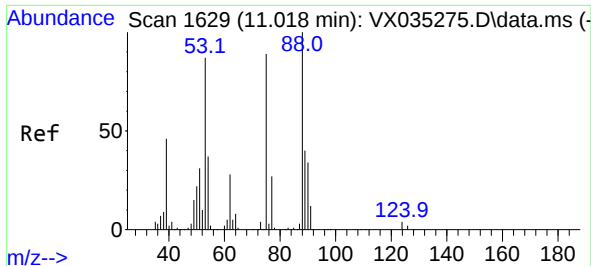
Tgt Ion:152 Resp: 175182  
Ion Ratio Lower Upper  
152 100  
115 60.6 45.0 135.0  
150 158.2 0.0 352.4



#76  
1,2,3-Trichloropropane  
Concen: 25.305 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.158 min  
Lab File: VX035424.D  
Acq: 29 Apr 2023 15:20

Tgt Ion: 75 Resp: 88428  
Ion Ratio Lower Upper  
75 100  
77 1.1 21.6 64.8#

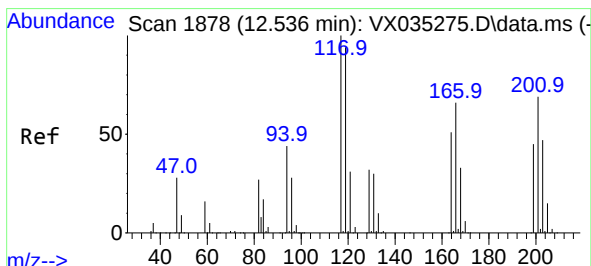
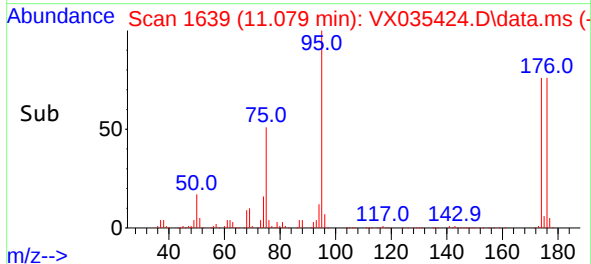
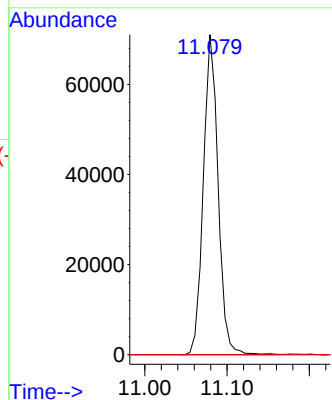
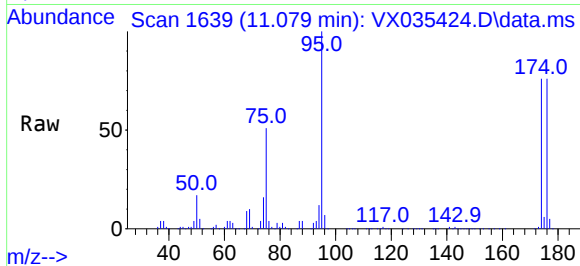




#81  
trans-1,4-Dichloro-2-butene  
Concen: 81.958 ug/l  
RT: 11.079 min Scan# 1  
Delta R.T. 0.061 min  
Lab File: VX035424.D  
Acq: 29 Apr 2023 15:20

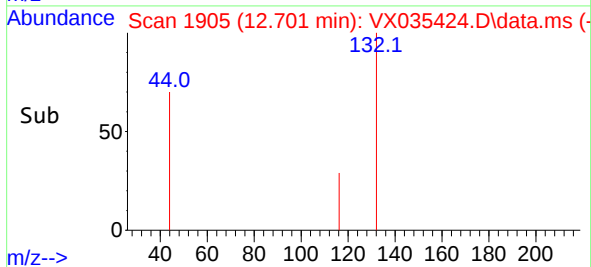
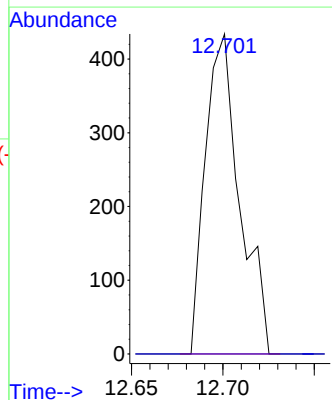
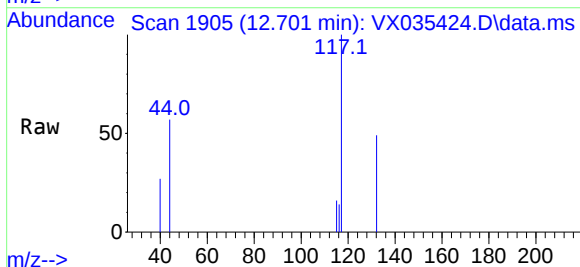
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-10D

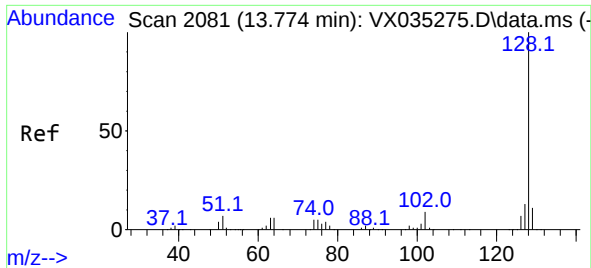
Tgt Ion: 75 Resp: 88428  
Ion Ratio Lower Upper  
75 100  
53 0.0 82.6 124.0#  
89 0.0 36.9 55.3#



#90  
Hexachloroethane  
Concen: 0.329 ug/l  
RT: 12.701 min Scan# 1905  
Delta R.T. 0.165 min  
Lab File: VX035424.D  
Acq: 29 Apr 2023 15:20

Tgt Ion: 117 Resp: 569  
Ion Ratio Lower Upper  
117 100  
201 0.0 34.4 103.1#





#95  
Naphthalene  
Concen: 3.813 ug/l  
RT: 13.774 min Scan# 2081  
Delta R.T. -0.000 min  
Lab File: VX035424.D  
Acq: 29 Apr 2023 15:20

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-10D

Tgt Ion:128 Resp: 44641  
Ion Ratio Lower Upper  
128 100  
127 13.2 10.2 15.4  
129 10.6 8.6 13.0

