

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX022924\  
 Data File : VX040535.D  
 Acq On : 29 Feb 2024 14:27  
 Operator : JC/MD  
 Sample : P1615-02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TT205S1-20240226

Quant Time: Mar 01 03:47:50 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022624W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 27 05:01:33 2024  
 Response via : Initial Calibration

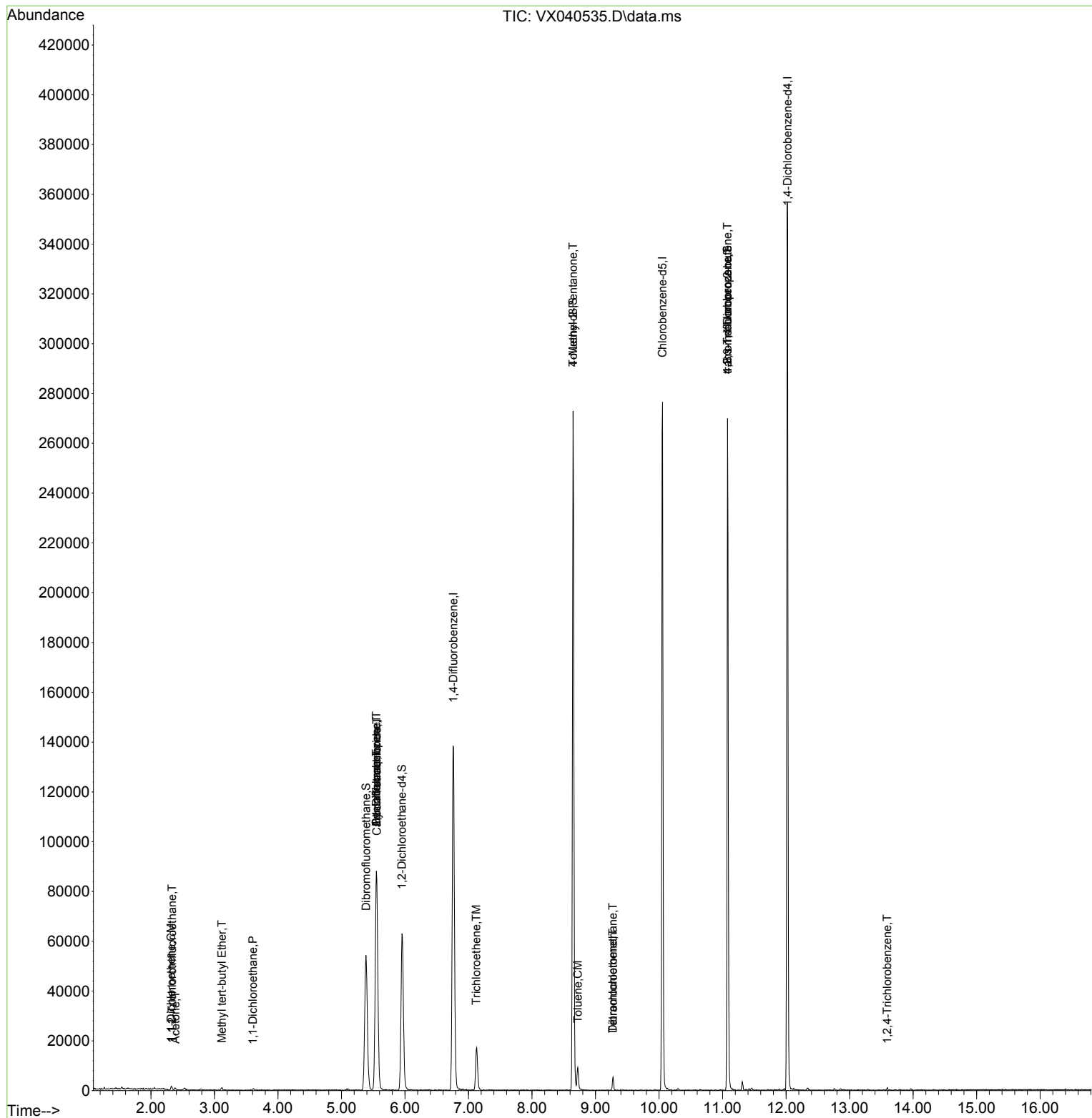
| Compound                      | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|----------|----------|
| -----                         |        |                |          |        |          |          |
| Internal Standards            |        |                |          |        |          |          |
| 1) Pentafluorobenzene         | 5.550  | 168            | 77094    | 50.000 | ug/l     | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763  | 114            | 136171   | 50.000 | ug/l     | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117            | 118402   | 50.000 | ug/l     | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152            | 70322    | 50.000 | ug/l     | 0.00     |
| System Monitoring Compounds   |        |                |          |        |          |          |
| 33) 1,2-Dichloroethane-d4     | 5.952  | 65             | 64065    | 49.684 | ug/l     | 0.00     |
| Spiked Amount                 | 50.000 | Range 78 - 117 | Recovery | =      | 99.360%  |          |
| 35) Dibromofluoromethane      | 5.385  | 113            | 45746    | 48.310 | ug/l     | 0.00     |
| Spiked Amount                 | 50.000 | Range 75 - 124 | Recovery | =      | 96.620%  |          |
| 50) Toluene-d8                | 8.647  | 98             | 151268   | 44.009 | ug/l     | 0.00     |
| Spiked Amount                 | 50.000 | Range 92 - 112 | Recovery | =      | 88.020%# |          |
| 62) 4-Bromofluorobenzene      | 11.079 | 95             | 65993    | 50.367 | ug/l     | 0.00     |
| Spiked Amount                 | 50.000 | Range 83 - 123 | Recovery | =      | 100.740% |          |
| Target Compounds              |        |                |          |        |          |          |
|                               |        |                |          |        | Qvalue   |          |
| 9) 1,1,2-Trichlorotrifluo...  | 2.331  | 101            | 258      | 0.295  | ug/l #   | 76       |
| 12) 1,1-Dichloroethene        | 2.318  | 96             | 301      | 0.343  | ug/l #   | 74       |
| 16) Acetone                   | 2.386  | 43             | 853      | 2.028  | ug/l     | 90       |
| 19) Methyl tert-butyl Ether   | 3.117  | 73             | 1007     | 0.336  | ug/l     | 100      |
| 24) 1,1-Dichloroethane        | 3.605  | 63             | 912      | 0.506  | ug/l #   | 83       |
| 31) Cyclohexane               | 5.550  | 56             | 2273     | 1.556  | ug/l #   | 52       |
| 36) 1,1-Dichloropropene       | 5.550  | 75             | 7284     | 4.993  | ug/l #   | 50       |
| 38) Carbon Tetrachloride      | 5.556  | 117            | 8696     | 6.170  | ug/l #   | 14       |
| 44) Trichloroethene           | 7.122  | 130            | 6384     | 6.010  | ug/l     | 91       |
| 51) 4-Methyl-2-Pentanone      | 8.647  | 43             | 750      | 0.453  | ug/l #   | 1        |
| 52) Toluene                   | 8.720  | 92             | 3548     | 1.464  | ug/l     | 93       |
| 60) Dibromochloromethane      | 9.275  | 129            | 339      | 0.310  | ug/l #   | 11       |
| 64) Tetrachloroethene         | 9.275  | 164            | 432      | 0.520  | ug/l #   | 76       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75             | 38534    | 24.898 | ug/l #   | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75             | 38534    | 72.732 | ug/l #   | 5        |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180            | 371      | 0.244  | ug/l     | 96       |
| -----                         |        |                |          |        |          |          |

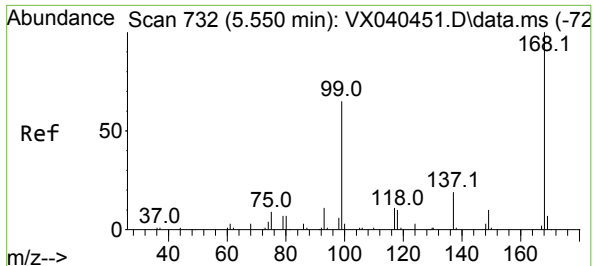
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX022924\  
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ALS Vial : 10 Sample Multiplier: 1

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ClientSampleId :  
TT205S1-20240226

Quant Time: Mar 01 03:47:50 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022624W.M  
Quant Title : SW846 8260  
QLast Update : Tue Feb 27 05:01:33 2024  
Response via : Initial Calibration

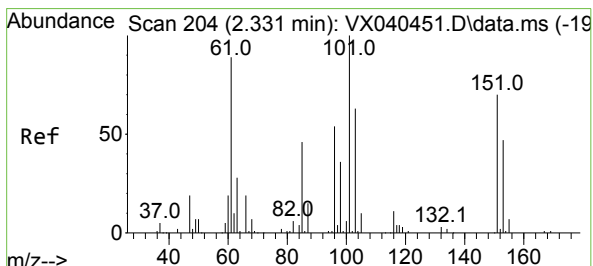
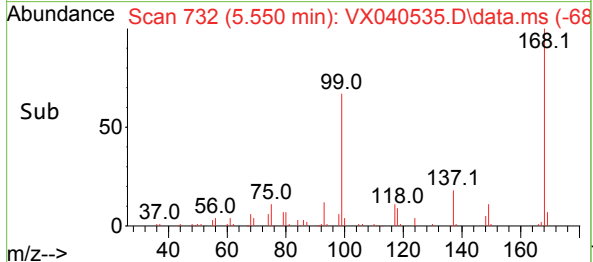
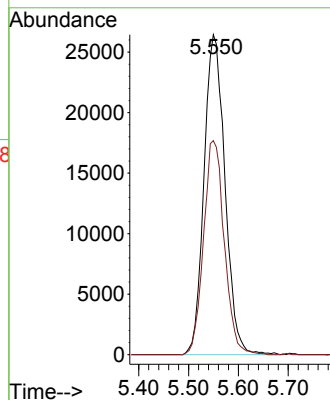
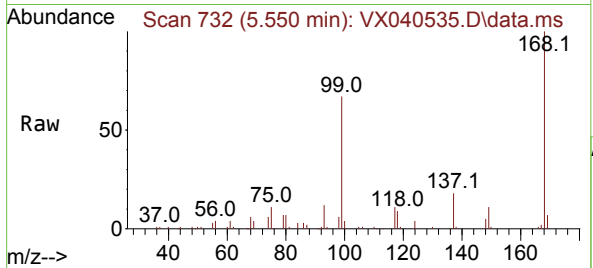




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.000 min  
Lab File: VX040535.D  
Acq: 29 Feb 2024 14:27

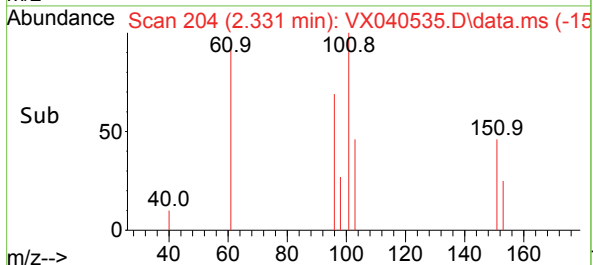
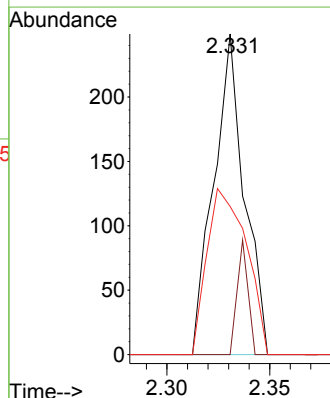
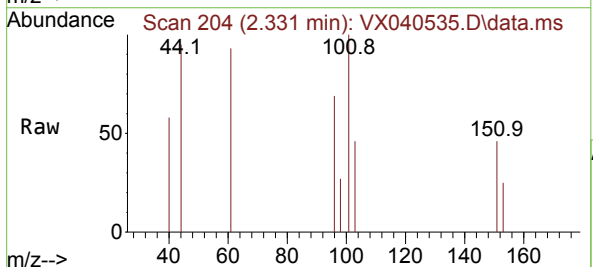
Instrument :  
MSVOA\_X  
ClientSampleId :  
TT205S1-20240226

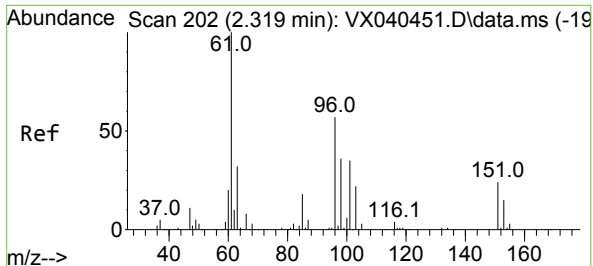
Tgt Ion:168 Resp: 77094  
Ion Ratio Lower Upper  
168 100  
99 66.9 56.6 85.0



#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 0.295 ug/l  
RT: 2.331 min Scan# 204  
Delta R.T. -0.000 min  
Lab File: VX040535.D  
Acq: 29 Feb 2024 14:27

Tgt Ion:101 Resp: 258  
Ion Ratio Lower Upper  
101 100  
85 12.8 37.0 55.6#  
151 66.7 58.6 87.8





#12

1,1-Dichloroethene

Concen: 0.343 ug/l

RT: 2.318 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX040535.D

Acq: 29 Feb 2024 14:27

Instrument :

MSVOA\_X

ClientSampleId :

TT205S1-20240226

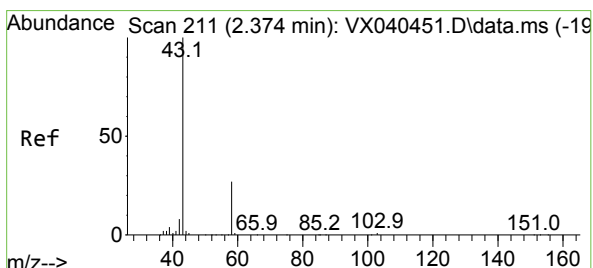
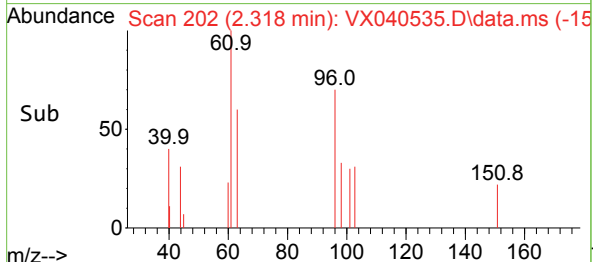
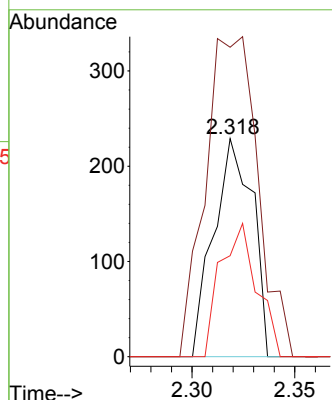
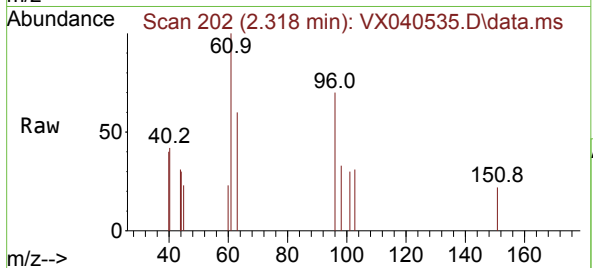
Tgt Ion: 96 Resp: 301

Ion Ratio Lower Upper

96 100

61 141.9 144.6 216.8#

98 46.3 50.4 75.6#



#16

Acetone

Concen: 2.028 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.012 min

Lab File: VX040535.D

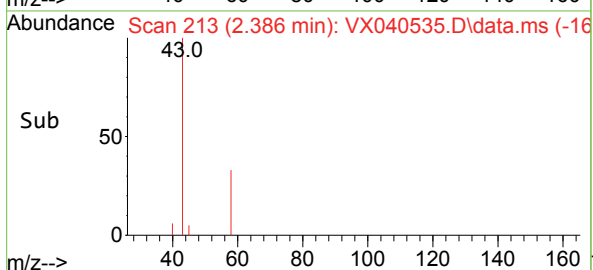
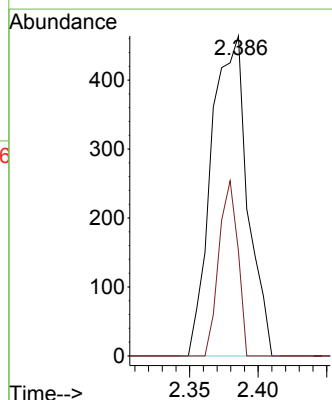
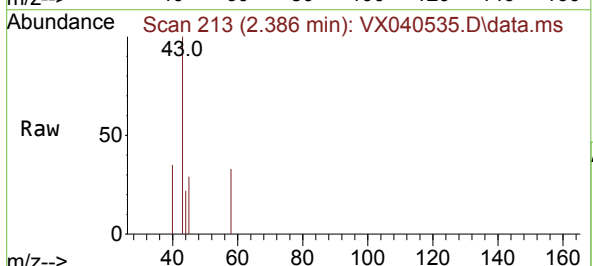
Acq: 29 Feb 2024 14:27

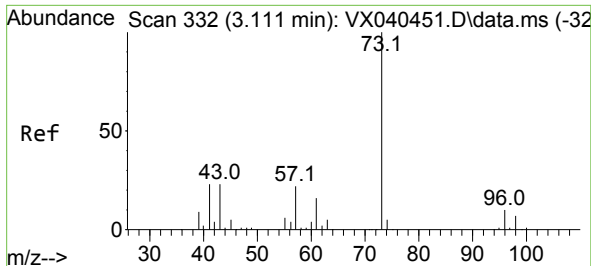
Tgt Ion: 43 Resp: 853

Ion Ratio Lower Upper

43 100

58 32.8 21.9 32.9

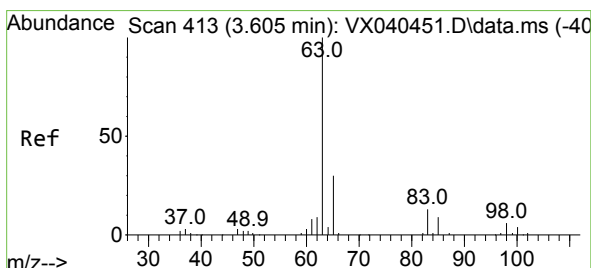
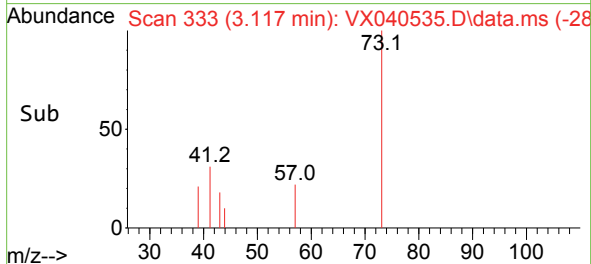
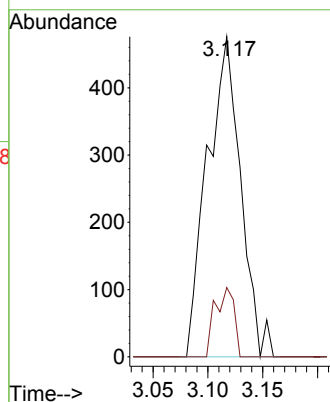
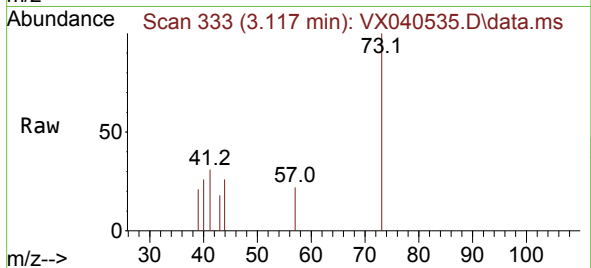




#19  
Methyl tert-butyl Ether  
Concen: 0.336 ug/l  
RT: 3.117 min Scan# 311  
Delta R.T. 0.006 min  
Lab File: VX040535.D  
Acq: 29 Feb 2024 14:27

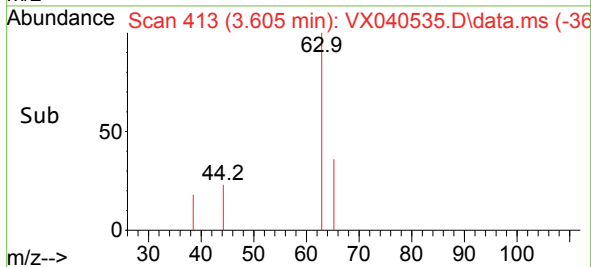
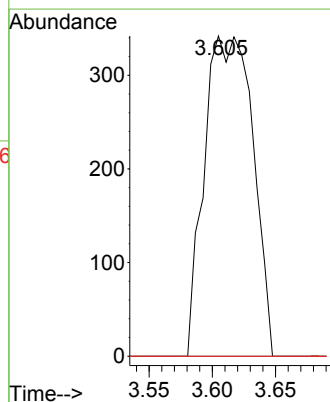
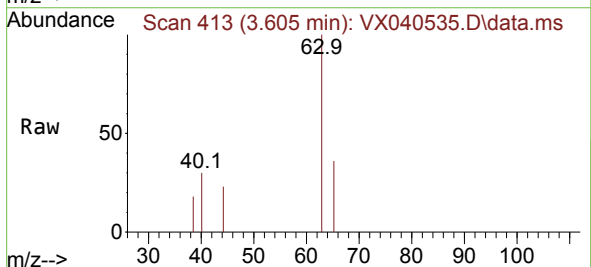
Instrument :  
MSVOA\_X  
ClientSampleId :  
TT205S1-20240226

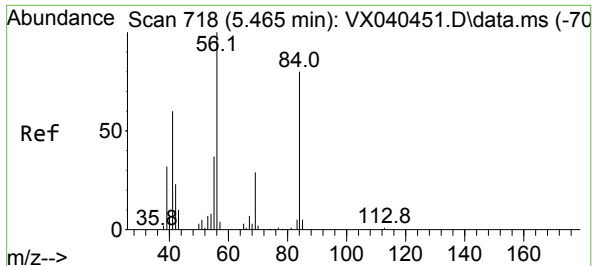
Tgt Ion: 73 Resp: 1007  
Ion Ratio Lower Upper  
73 100  
57 21.6 17.3 25.9



#24  
1,1-Dichloroethane  
Concen: 0.506 ug/l  
RT: 3.605 min Scan# 413  
Delta R.T. -0.000 min  
Lab File: VX040535.D  
Acq: 29 Feb 2024 14:27

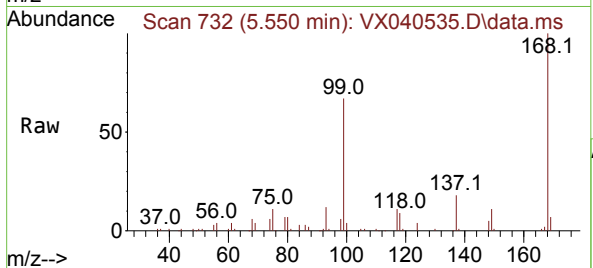
Tgt Ion: 63 Resp: 912  
Ion Ratio Lower Upper  
63 100  
98 0.0 3.3 9.8#  
100 0.0 2.1 6.5#



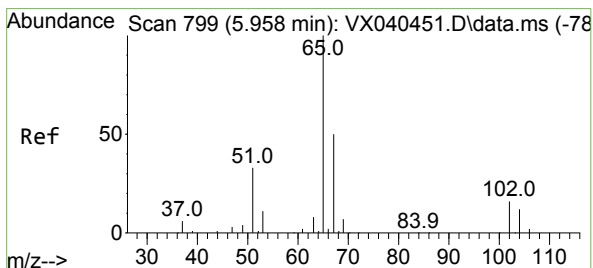
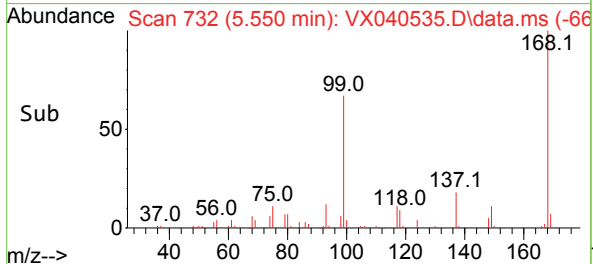
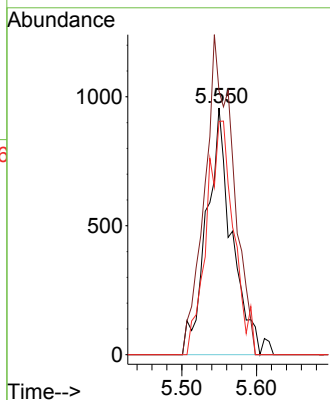


#31  
Cyclohexane  
Concen: 1.556 ug/l  
RT: 5.550 min Scan# 718  
Delta R.T. 0.085 min  
Lab File: VX040535.D  
Acq: 29 Feb 2024 14:27

Instrument :  
MSVOA\_X  
ClientSampleId :  
TT205S1-20240226

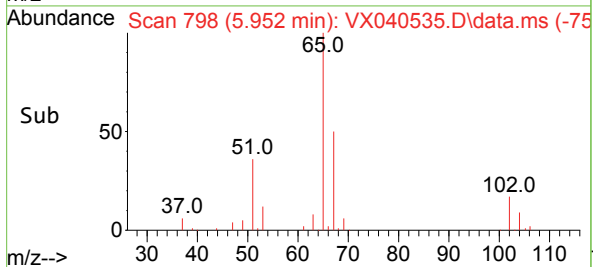
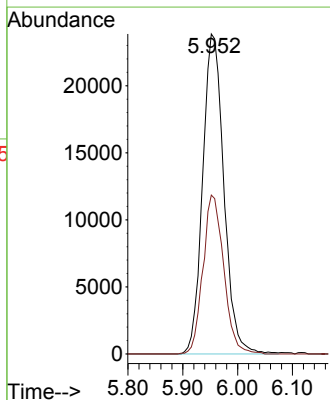
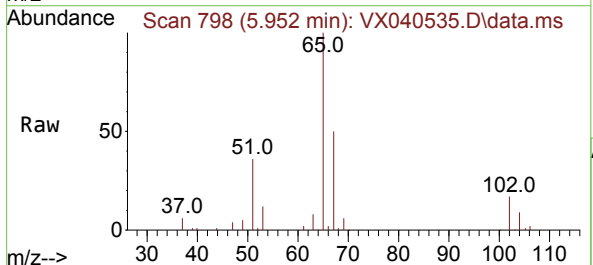


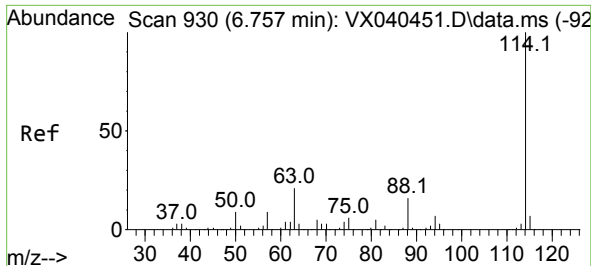
Tgt Ion: 56 Resp: 2273  
Ion Ratio Lower Upper  
56 100  
69 106.9 23.4 35.2#  
84 94.6 65.9 98.9



#33  
1,2-Dichloroethane-d4  
Concen: 49.684 ug/l  
RT: 5.952 min Scan# 798  
Delta R.T. -0.006 min  
Lab File: VX040535.D  
Acq: 29 Feb 2024 14:27

Tgt Ion: 65 Resp: 64065  
Ion Ratio Lower Upper  
65 100  
67 48.7 0.0 100.2

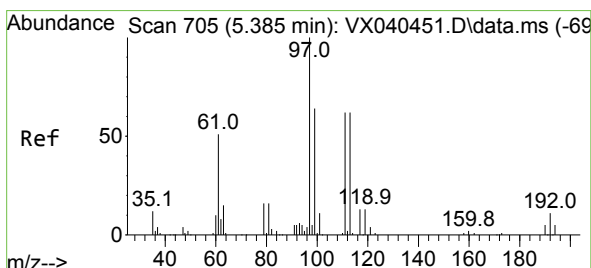
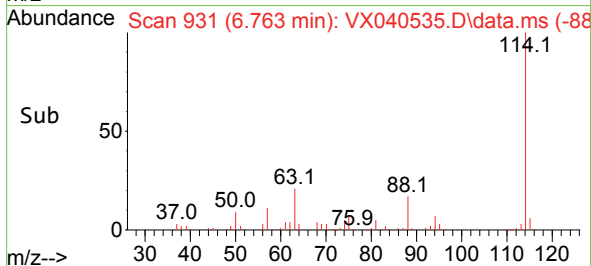
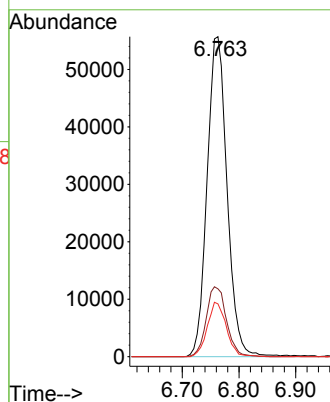
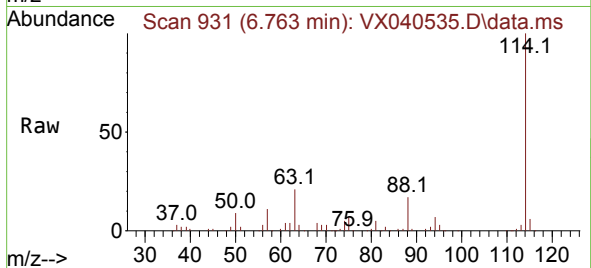




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VX040535.D  
Acq: 29 Feb 2024 14:27

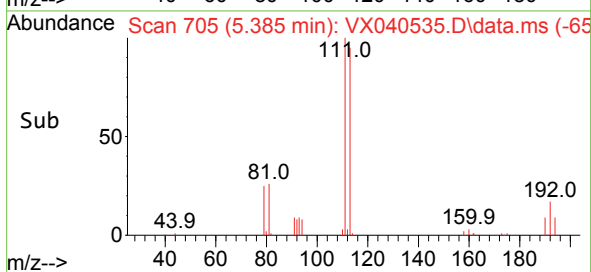
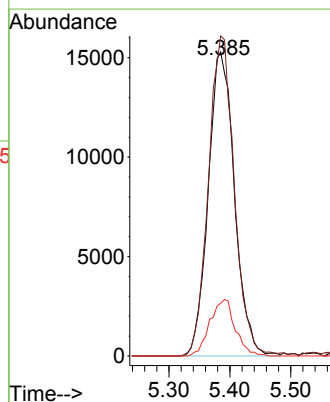
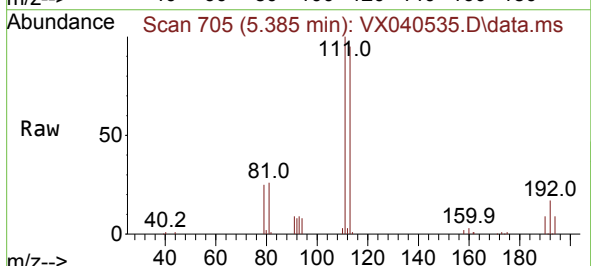
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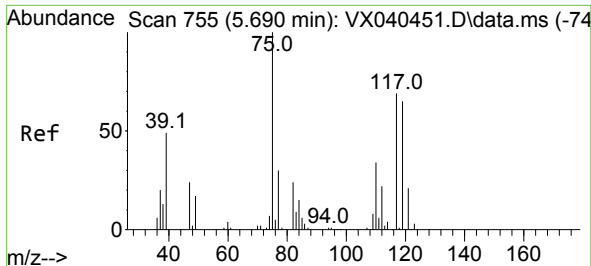
Tgt Ion:114 Resp: 136171  
Ion Ratio Lower Upper  
114 100  
63 21.2 0.0 45.0  
88 16.5 0.0 36.6



#35  
Dibromofluoromethane  
Concen: 48.310 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. -0.000 min  
Lab File: VX040535.D  
Acq: 29 Feb 2024 14:27

Tgt Ion:113 Resp: 45746  
Ion Ratio Lower Upper  
113 100  
111 103.9 82.9 124.3  
192 18.0 13.3 19.9

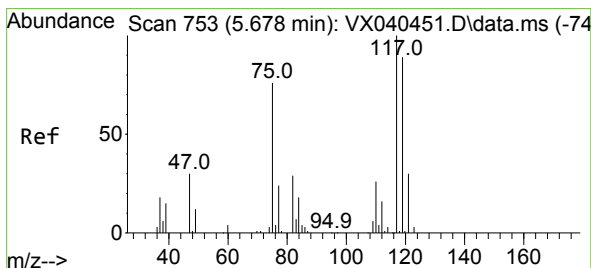
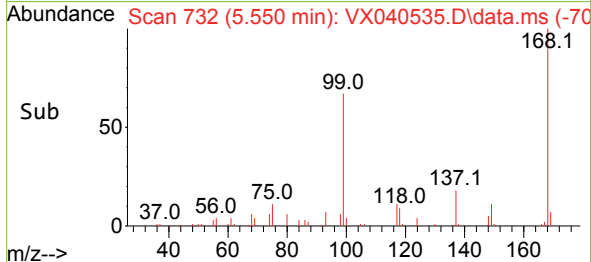
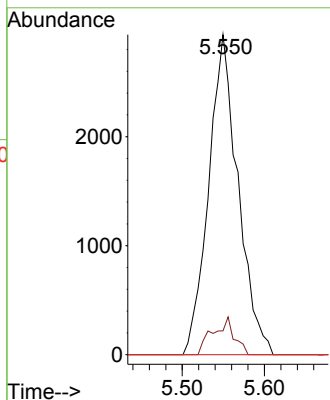
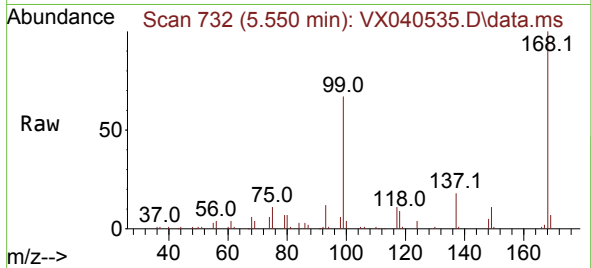




#36  
1,1-Dichloropropene  
Concen: 4.993 ug/l  
RT: 5.550 min Scan# 713  
Delta R.T. -0.140 min  
Lab File: VX040535.D  
Acq: 29 Feb 2024 14:27

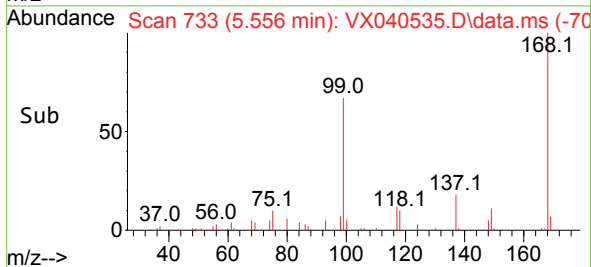
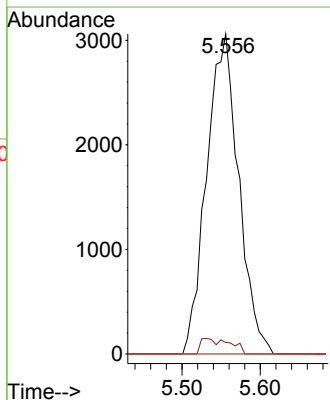
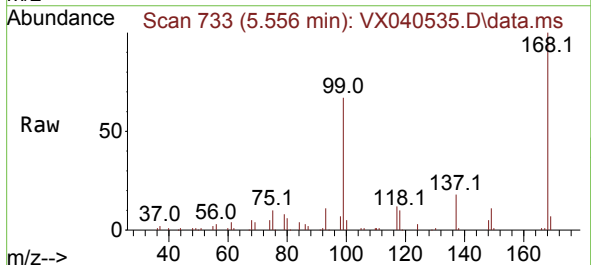
Instrument :  
MSVOA\_X  
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Tgt Ion: 75 Resp: 7284  
Ion Ratio Lower Upper  
75 100  
110 8.5 17.0 50.9#  
77 0.0 24.7 37.1#

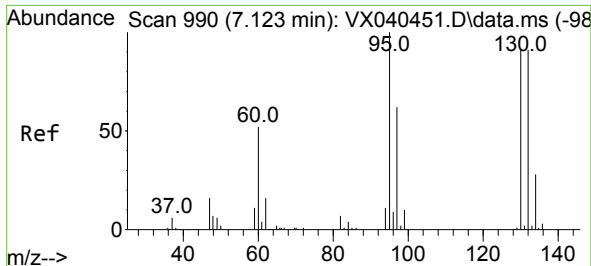


#38  
Carbon Tetrachloride  
Concen: 6.170 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. -0.122 min  
Lab File: VX040535.D  
Acq: 29 Feb 2024 14:27

Tgt Ion: 117 Resp: 8696  
Ion Ratio Lower Upper  
117 100  
119 3.6 78.2 117.2#  
121 0.0 24.4 36.6#



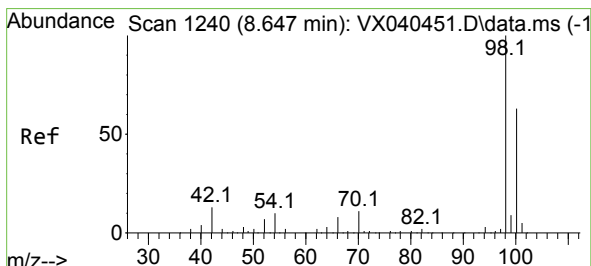
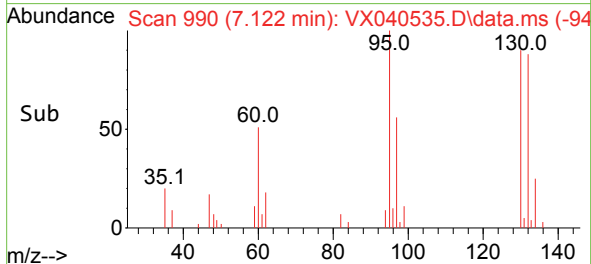
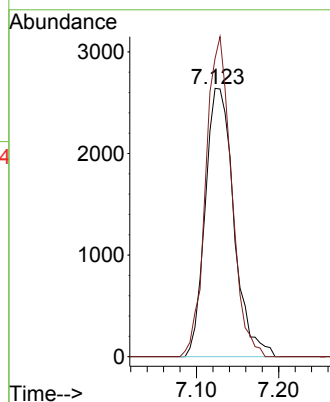
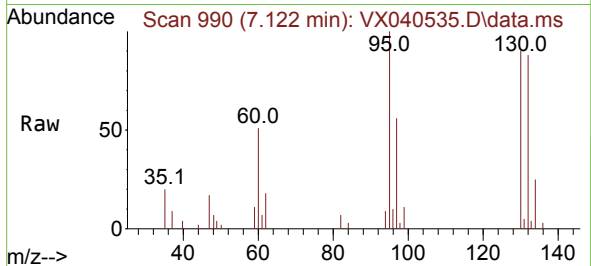




#44  
Trichloroethene  
Concen: 6.010 ug/l  
RT: 7.122 min Scan# 990  
Delta R.T. -0.000 min  
Lab File: VX040535.D  
Acq: 29 Feb 2024 14:27

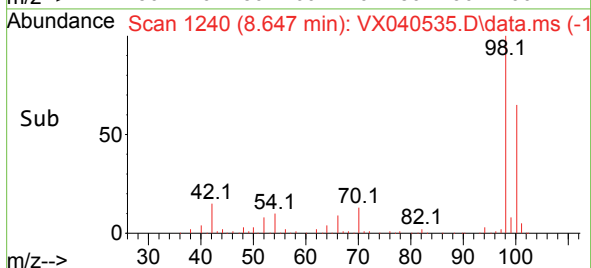
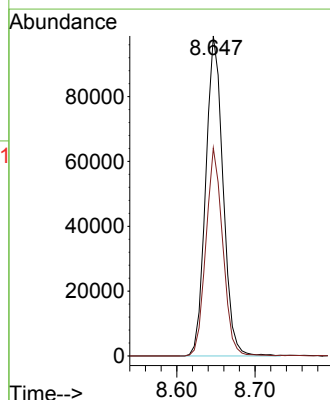
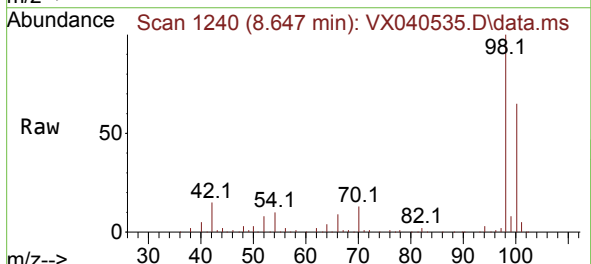
Instrument :  
MSVOA\_X  
ClientSampleId :  
TT205S1-20240226

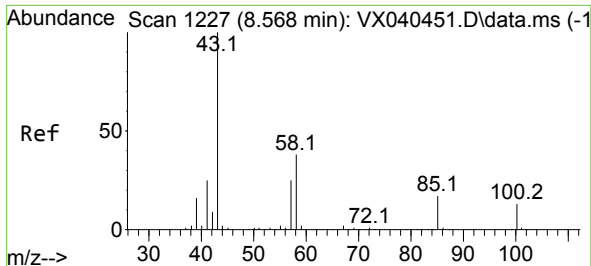
Tgt Ion:130 Resp: 6384  
Ion Ratio Lower Upper  
130 100  
95 111.2 0.0 204.4



#50  
Toluene-d8  
Concen: 44.009 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. -0.000 min  
Lab File: VX040535.D  
Acq: 29 Feb 2024 14:27

Tgt Ion: 98 Resp: 151268  
Ion Ratio Lower Upper  
98 100  
100 63.2 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 0.453 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.079 min

Lab File: VX040535.D

Acq: 29 Feb 2024 14:27

Instrument :

MSVOA\_X

ClientSampleId :

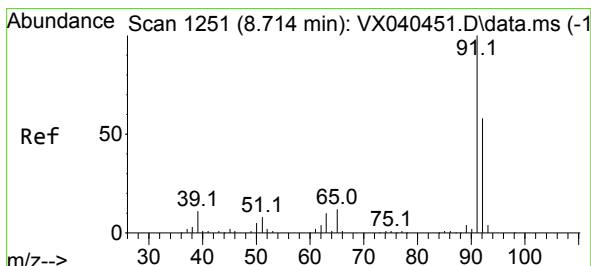
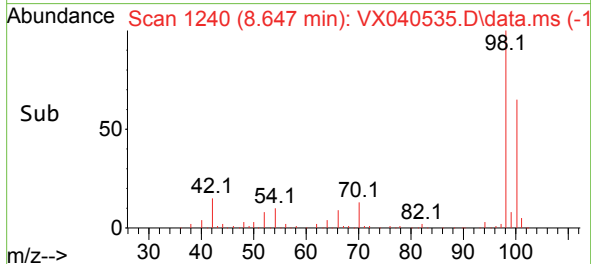
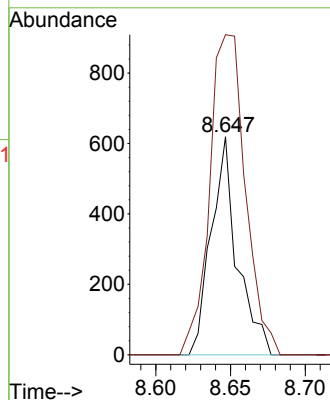
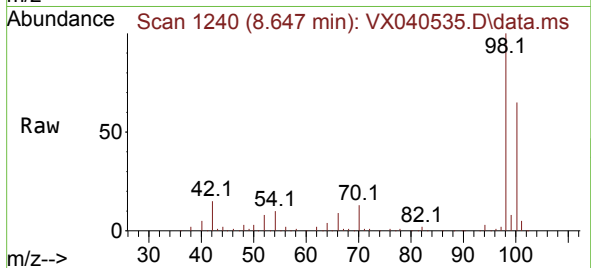
TT205S1-20240226

Tgt Ion: 43 Resp: 750

Ion Ratio Lower Upper

43 100

58 202.4 30.4 45.6#



#52

Toluene

Concen: 1.464 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.006 min

Lab File: VX040535.D

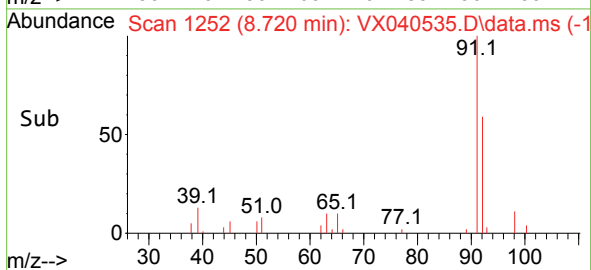
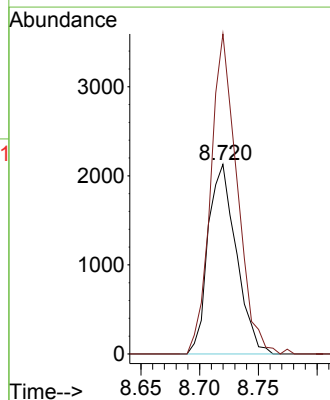
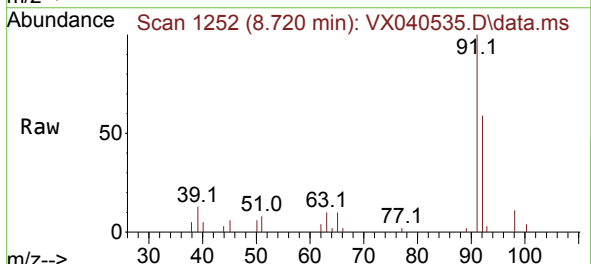
Acq: 29 Feb 2024 14:27

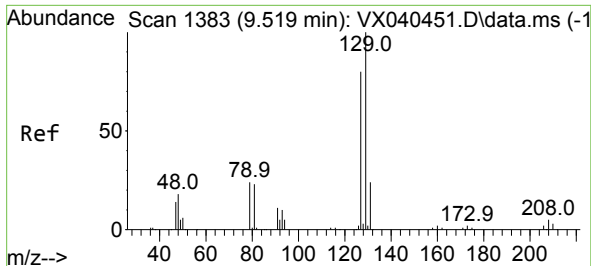
Tgt Ion: 92 Resp: 3548

Ion Ratio Lower Upper

92 100

91 158.7 134.2 201.2

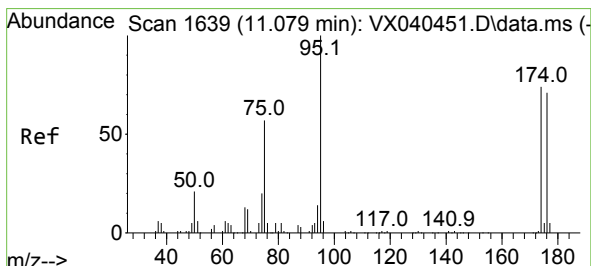
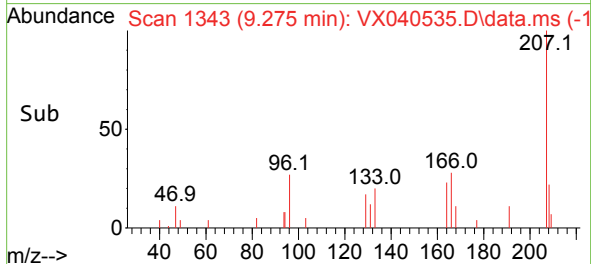
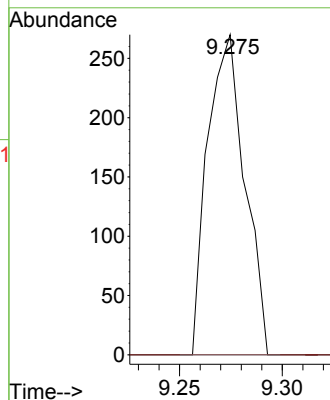
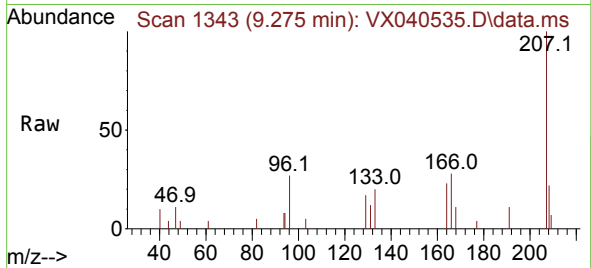




#60  
Dibromochloromethane  
Concen: 0.310 ug/l  
RT: 9.275 min Scan# 11  
Delta R.T. -0.244 min  
Lab File: VX040535.D  
Acq: 29 Feb 2024 14:27

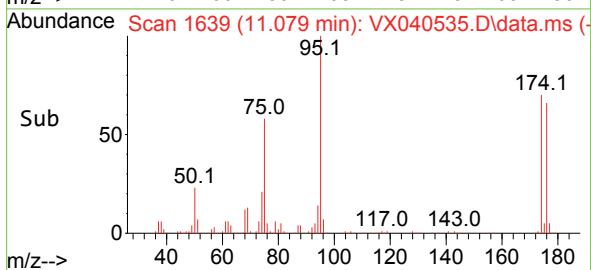
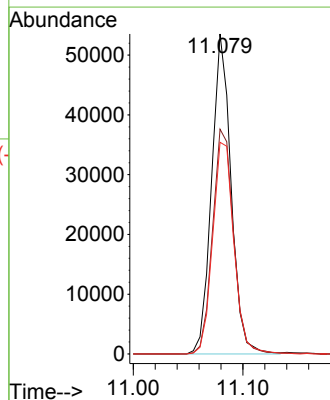
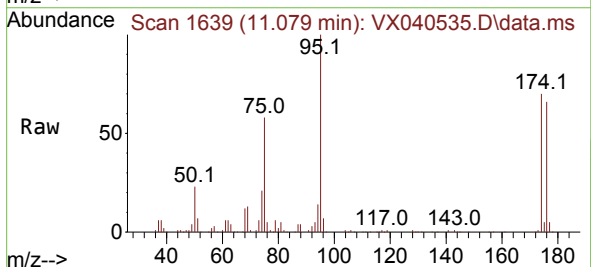
Instrument :  
MSVOA\_X  
ClientSampleId :  
TT205S1-20240226

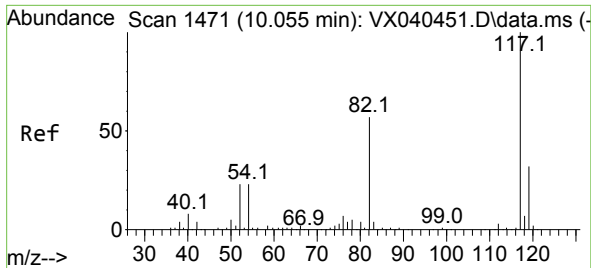
Tgt Ion:129 Resp: 339  
Ion Ratio Lower Upper  
129 100  
127 0.0 38.8 116.4#



#62  
4-Bromofluorobenzene  
Concen: 50.367 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX040535.D  
Acq: 29 Feb 2024 14:27

Tgt Ion: 95 Resp: 65993  
Ion Ratio Lower Upper  
95 100  
174 75.9 0.0 135.6  
176 72.4 0.0 131.0

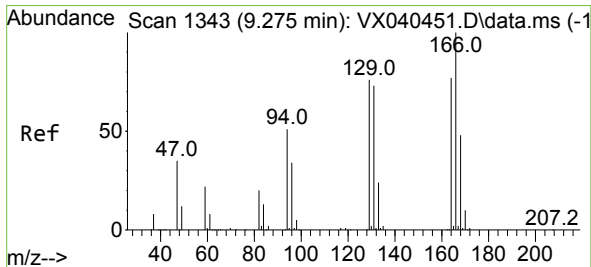
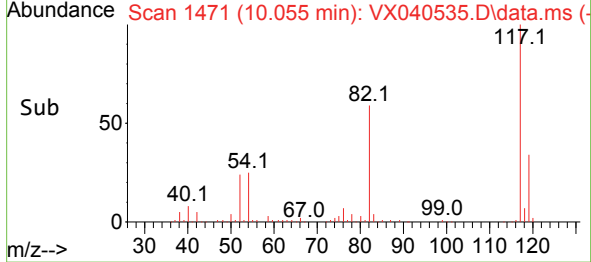
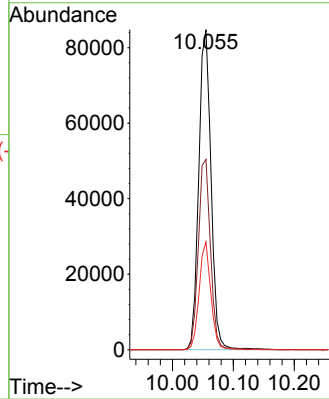
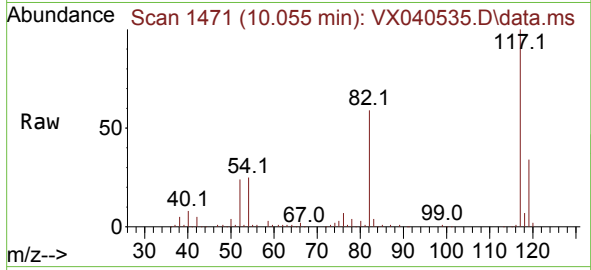




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX040535.D  
Acq: 29 Feb 2024 14:27

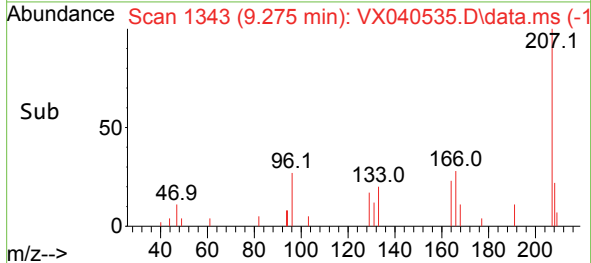
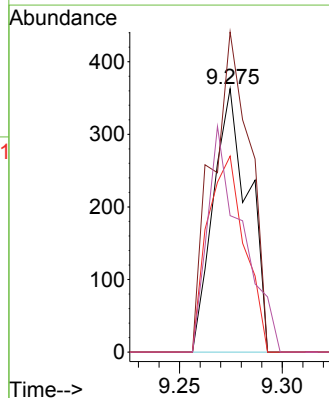
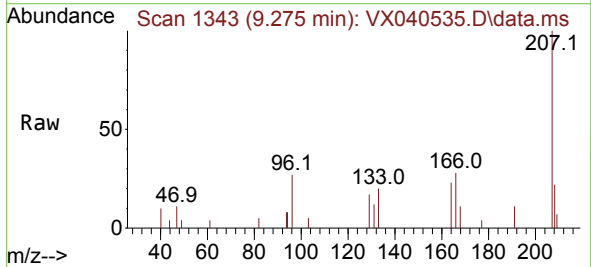
Instrument :  
MSVOA\_X  
ClientSampleId :  
TT205S1-20240226

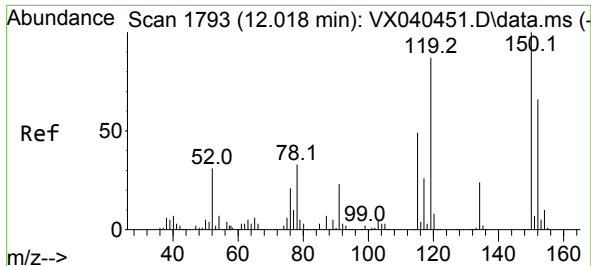
Tgt Ion:117 Resp: 118402  
Ion Ratio Lower Upper  
117 100  
82 59.5 46.2 69.4  
119 33.7 25.5 38.3



#64  
Tetrachloroethene  
Concen: 0.520 ug/l  
RT: 9.275 min Scan# 1343  
Delta R.T. -0.000 min  
Lab File: VX040535.D  
Acq: 29 Feb 2024 14:27

Tgt Ion:164 Resp: 432  
Ion Ratio Lower Upper  
164 100  
166 121.5 102.7 154.1  
129 74.4 80.4 120.6#  
131 51.8 76.5 114.7#

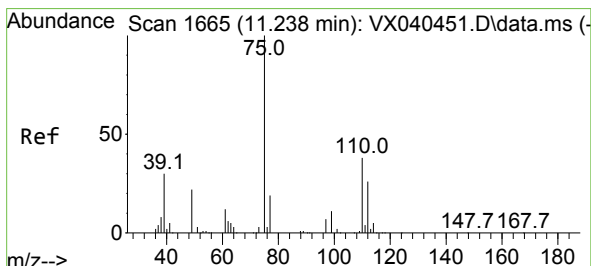
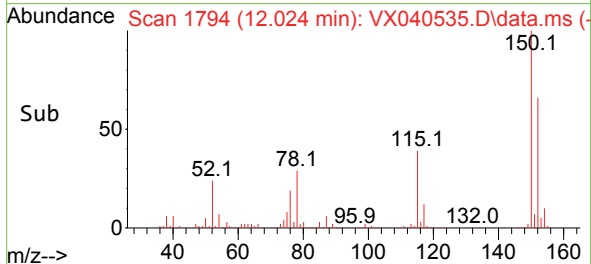
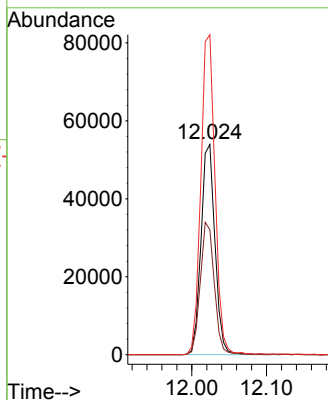
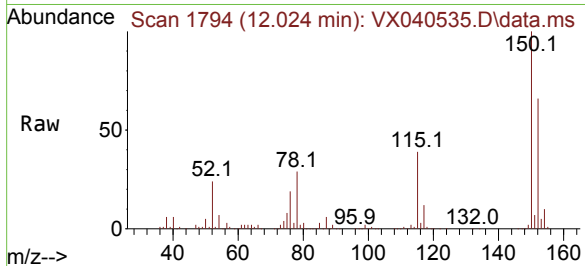




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 11  
 Delta R.T. 0.006 min  
 Lab File: VX040535.D  
 Acq: 29 Feb 2024 14:27

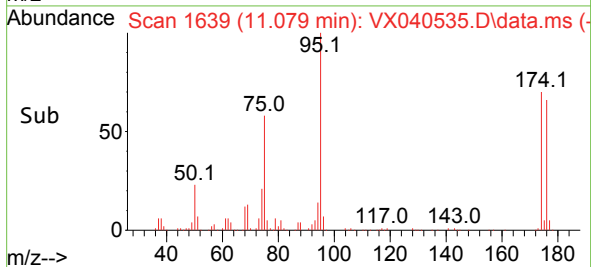
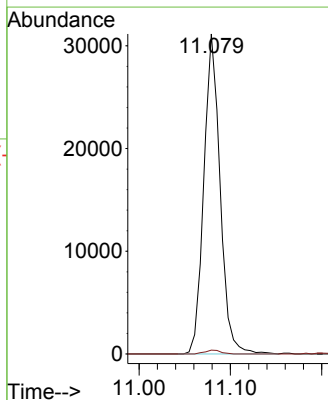
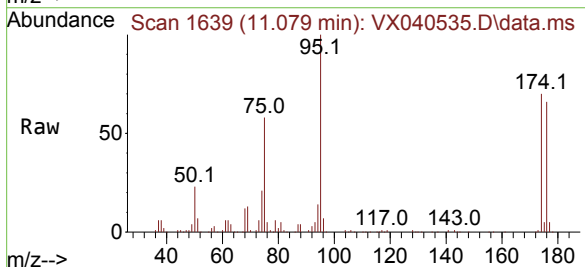
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TT205S1-20240226

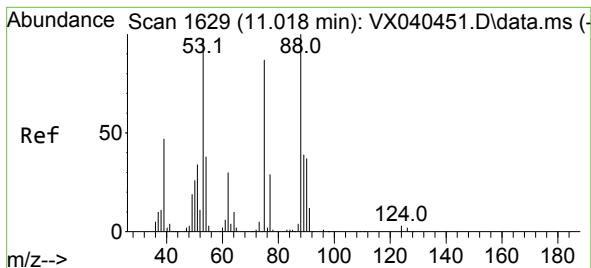
Tgt Ion:152 Resp: 70322  
 Ion Ratio Lower Upper  
 152 100  
 115 62.9 43.3 129.9  
 150 154.6 0.0 345.0



#76  
 1,2,3-Trichloropropane  
 Concen: 24.898 ug/l  
 RT: 11.079 min Scan# 1639  
 Delta R.T. -0.159 min  
 Lab File: VX040535.D  
 Acq: 29 Feb 2024 14:27

Tgt Ion: 75 Resp: 38534  
 Ion Ratio Lower Upper  
 75 100  
 77 1.2 19.1 57.5#

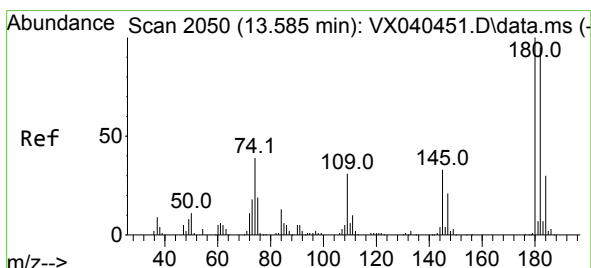
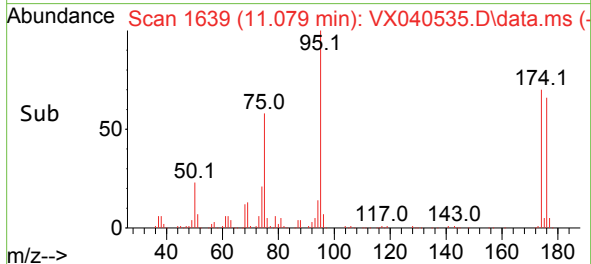
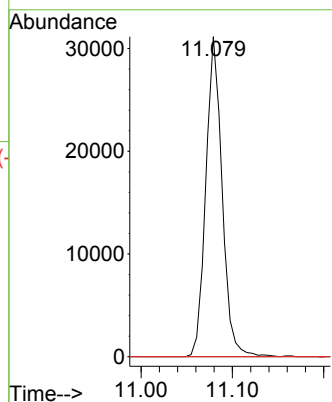
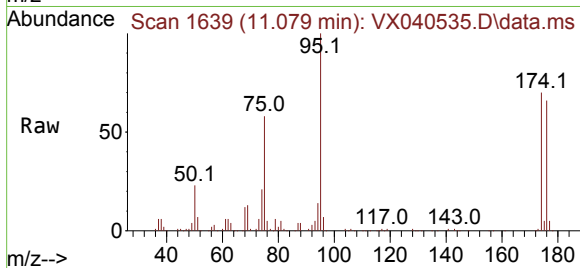




#81  
trans-1,4-Dichloro-2-butene  
Concen: 72.732 ug/l  
RT: 11.079 min Scan# 1  
Delta R.T. 0.061 min  
Lab File: VX040535.D  
Acq: 29 Feb 2024 14:27

Instrument :  
MSVOA\_X  
ClientSampleId :  
TT205S1-20240226

Tgt Ion: 75 Resp: 38534  
Ion Ratio Lower Upper  
75 100  
53 0.0 90.5 135.7#  
89 0.0 36.9 55.3#



#93  
1,2,4-Trichlorobenzene  
Concen: 0.244 ug/l  
RT: 13.591 min Scan# 2051  
Delta R.T. 0.006 min  
Lab File: VX040535.D  
Acq: 29 Feb 2024 14:27

Tgt Ion:180 Resp: 371  
Ion Ratio Lower Upper  
180 100  
182 95.7 48.3 144.8  
145 28.8 18.0 54.0

