

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX031922\  
 Data File : VX027565.D  
 Acq On : 19 Mar 2022 17:08  
 Operator : JC/MD  
 Sample : N2000-12  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE-139D2-20220316

Quant Time: Mar 21 01:24:11 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X031722W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Mar 17 15:02:59 2022  
 Response via : Initial Calibration

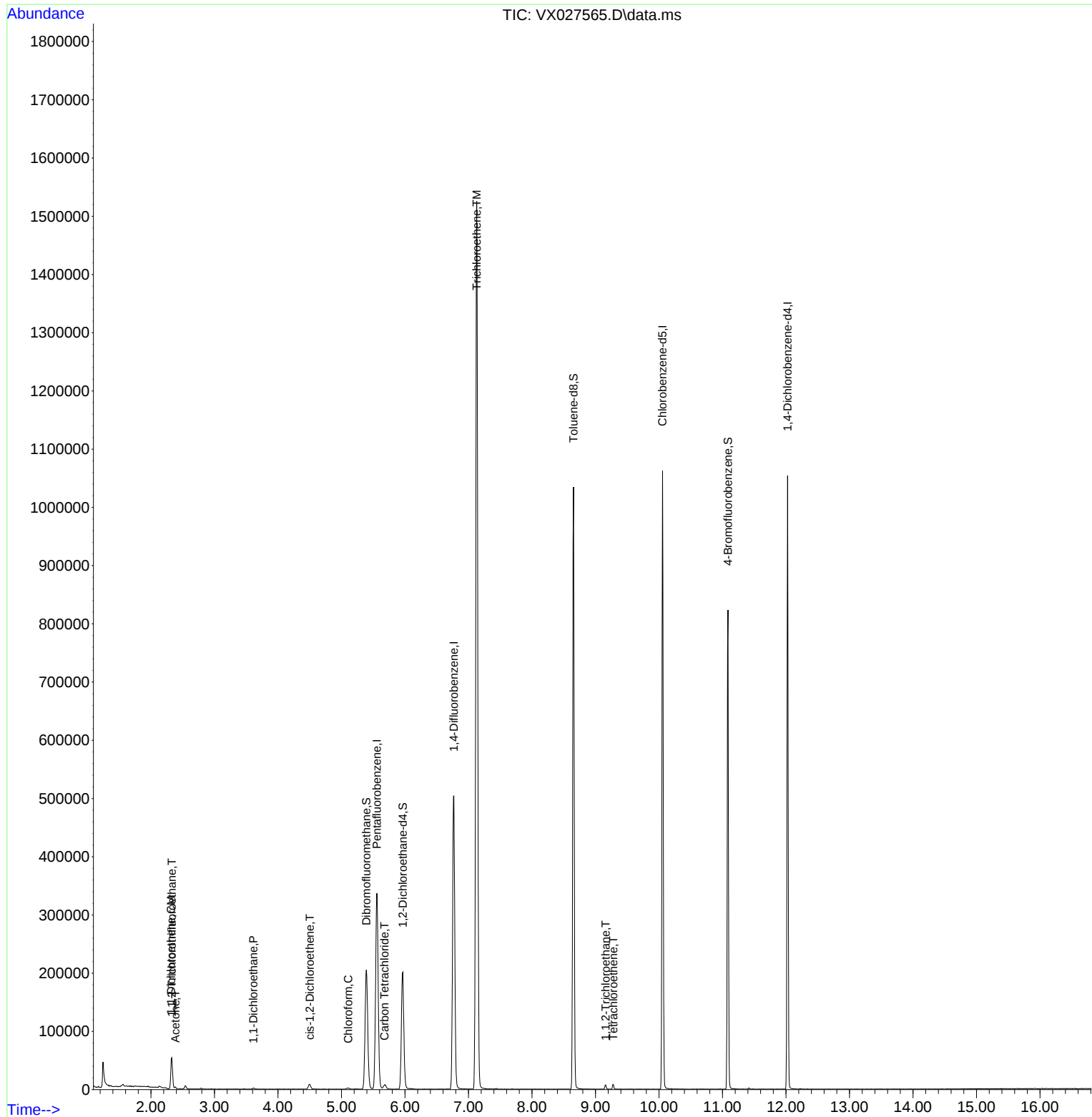
| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 5.556  | 168   | 333009   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.769  | 114   | 552705   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055 | 117   | 496185   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024 | 152   | 221919   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.964  | 65    | 198584   | 48.408   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 61 - 141 | Recovery | =      | 96.820%  |
| 35) Dibromofluoromethane     | 5.391  | 113   | 183106   | 51.492   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 69 - 133 | Recovery | =      | 102.980% |
| 50) Toluene-d8               | 8.653  | 98    | 645696   | 47.985   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 65 - 126 | Recovery | =      | 95.960%  |
| 62) 4-Bromofluorobenzene     | 11.085 | 95    | 223797   | 45.249   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 58 - 135 | Recovery | =      | 90.500%  |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 9) 1,1,2-Trichlorotrifluo... | 2.331  | 101   | 14269    | 4.427    | ug/l   | 97       |
| 12) 1,1-Dichloroethene       | 2.319  | 96    | 8809     | 2.849    | ug/l   | 94       |
| 16) Acetone                  | 2.386  | 43    | 3694     | 2.209    | ug/l # | 86       |
| 24) 1,1-Dichloroethane       | 3.611  | 63    | 2149     | 0.374    | ug/l # | 75       |
| 27) cis-1,2-Dichloroethene   | 4.501  | 96    | 5778     | 1.510    | ug/l   | 86       |
| 30) Chloroform               | 5.105  | 83    | 2780     | 0.438    | ug/l   | 94       |
| 38) Carbon Tetrachloride     | 5.678  | 117   | 6973     | 1.254    | ug/l   | 96       |
| 44) Trichloroethene          | 7.129  | 130   | 626009   | 147.917  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane    | 9.159  | 97    | 2191     | 0.576    | ug/l   | 94       |
| 64) Tetrachloroethene        | 9.281  | 164   | 1601     | 0.415    | ug/l   | 91       |
| -----                        |        |       |          |          |        |          |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX031922\  
Data File : VX027565.D  
Acq On : 19 Mar 2022 17:08  
Operator : JC/MD  
Sample : N2000-12  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
RE-139D2-20220316

Quant Time: Mar 21 01:24:11 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X031722W.M  
Quant Title : SW846 8260  
QLast Update : Thu Mar 17 15:02:59 2022  
Response via : Initial Calibration

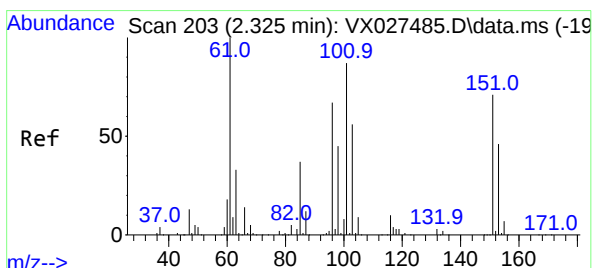
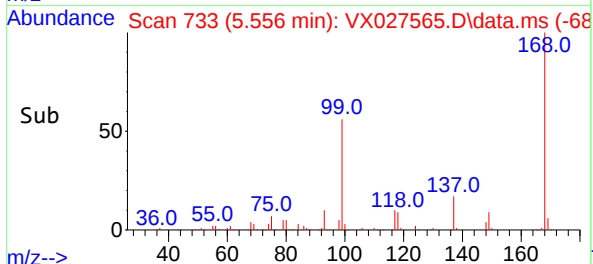
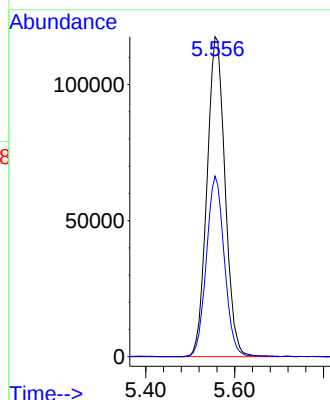
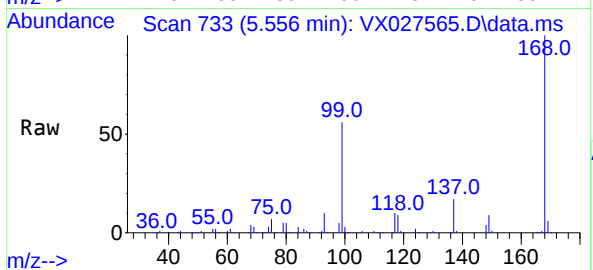




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX027565.D  
Acq: 19 Mar 2022 17:08

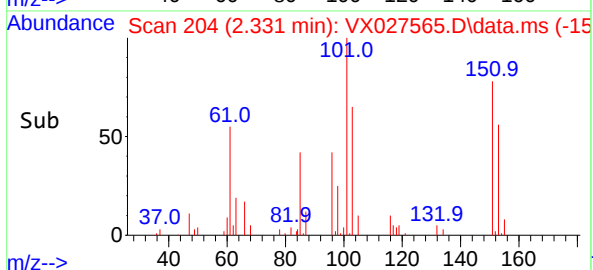
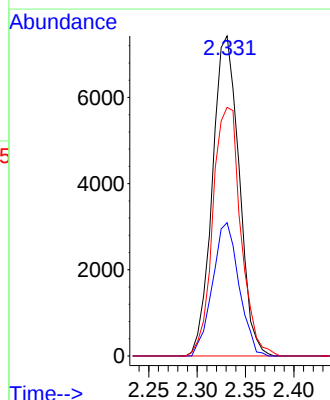
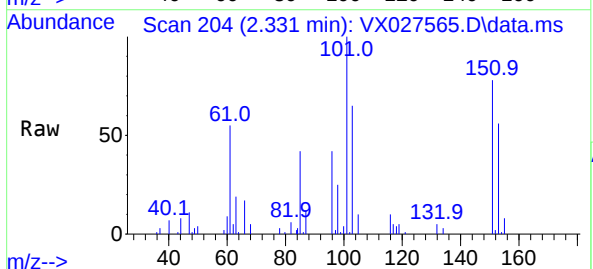
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE-139D2-20220316

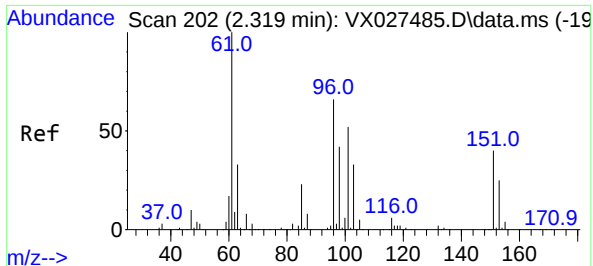
Tgt Ion:168 Resp: 333009  
Ion Ratio Lower Upper  
168 100  
99 56.4 41.7 62.5



#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 4.427 ug/l  
RT: 2.331 min Scan# 204  
Delta R.T. 0.006 min  
Lab File: VX027565.D  
Acq: 19 Mar 2022 17:08

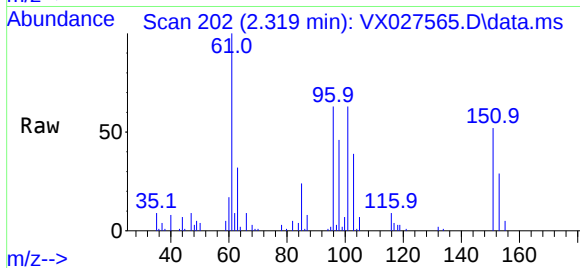
Tgt Ion:101 Resp: 14269  
Ion Ratio Lower Upper  
101 100  
85 41.3 33.5 50.3  
151 81.2 61.8 92.6



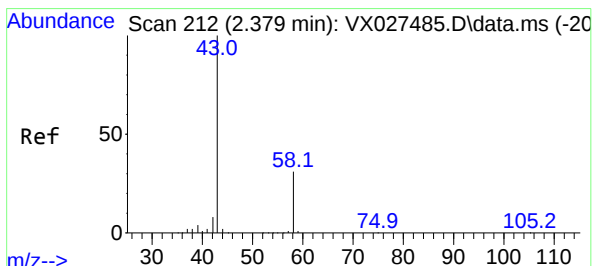
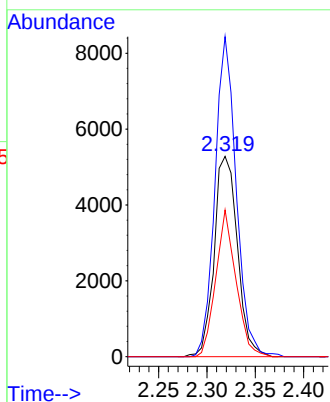
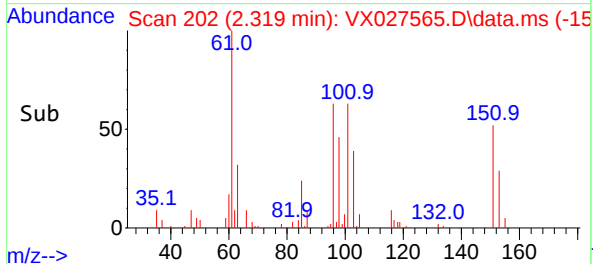


#12  
1,1-Dichloroethene  
Concen: 2.849 ug/l  
RT: 2.319 min Scan# 20  
Delta R.T. 0.000 min  
Lab File: VX027565.D  
Acq: 19 Mar 2022 17:08

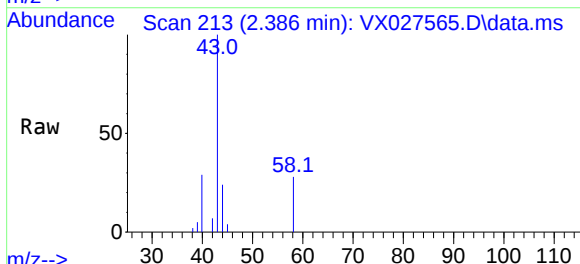
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE-139D2-20220316



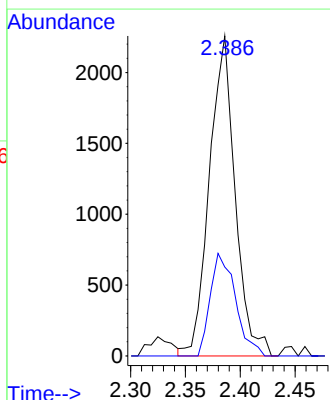
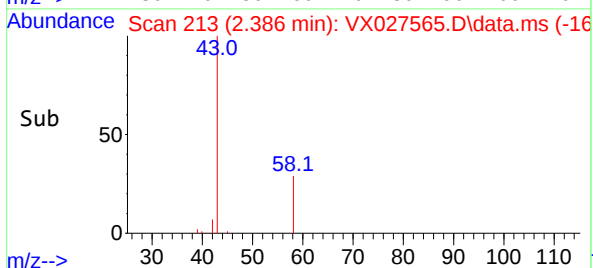
Tgt Ion: 96 Resp: 8809  
Ion Ratio Lower Upper  
96 100  
61 159.7 124.6 187.0  
98 73.2 51.0 76.4

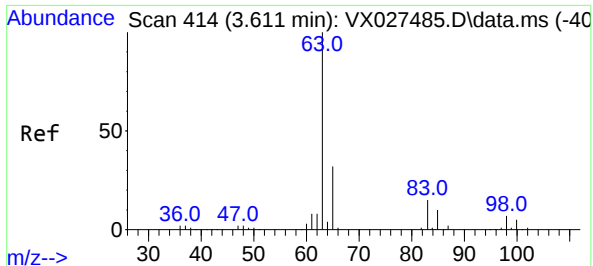


#16  
Acetone  
Concen: 2.209 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. 0.006 min  
Lab File: VX027565.D  
Acq: 19 Mar 2022 17:08



Tgt Ion: 43 Resp: 3694  
Ion Ratio Lower Upper  
43 100  
58 27.8 28.8 43.2#

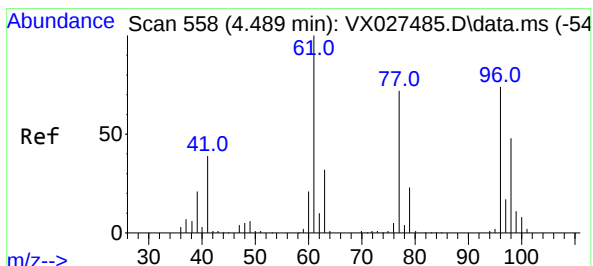
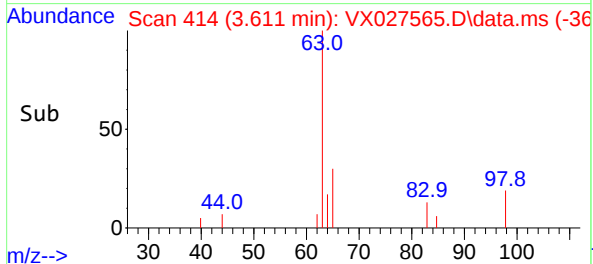
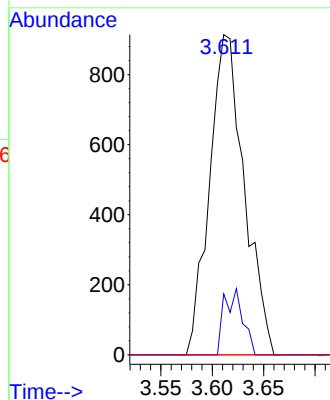
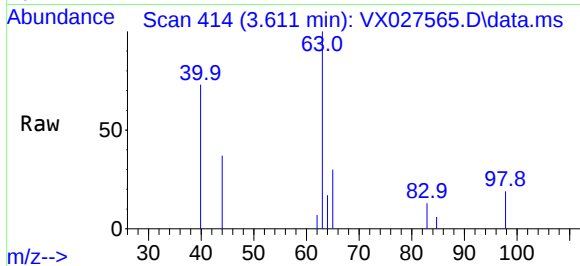




#24  
1,1-Dichloroethane  
Concen: 0.374 ug/l  
RT: 3.611 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VX027565.D  
Acq: 19 Mar 2022 17:08

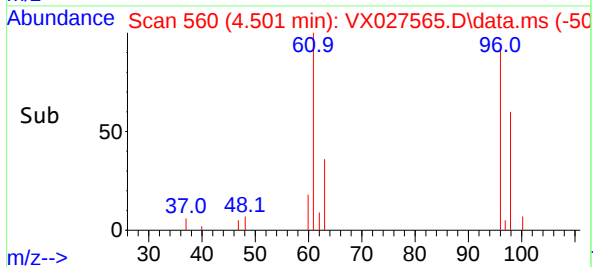
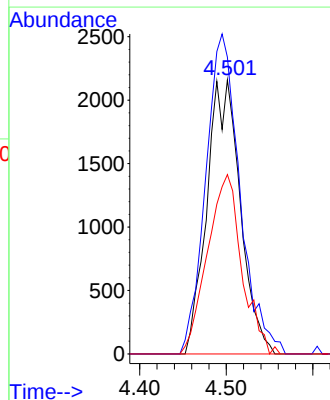
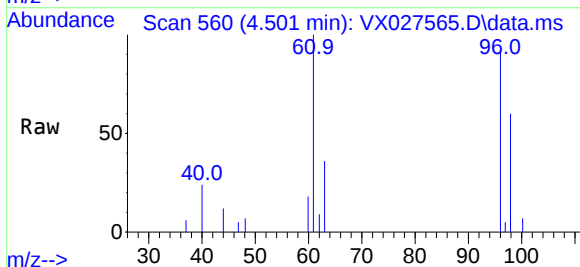
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE-139D2-20220316

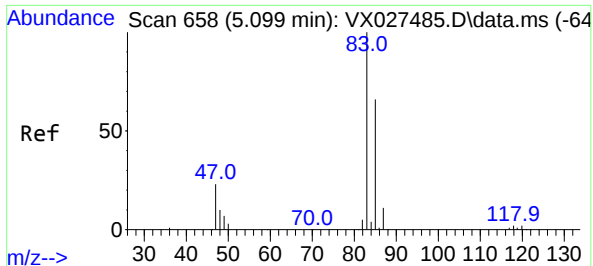
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 2149  |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 98       | 19.0  | 3.9   | 11.7# |
| 100      | 0.0   | 2.4   | 7.2#  |



#27  
cis-1,2-Dichloroethene  
Concen: 1.510 ug/l  
RT: 4.501 min Scan# 560  
Delta R.T. 0.012 min  
Lab File: VX027565.D  
Acq: 19 Mar 2022 17:08

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 5778  |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 119.4 | 0.0   | 283.8 |
| 98       | 67.4  | 0.0   | 129.8 |





#30

Chloroform

Concen: 0.438 ug/l

RT: 5.105 min Scan# 61

Delta R.T. 0.006 min

Lab File: VX027565.D

Acq: 19 Mar 2022 17:08

Instrument :

MSVOA\_X

ClientSampleId :

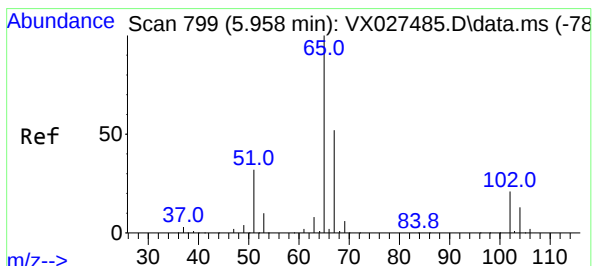
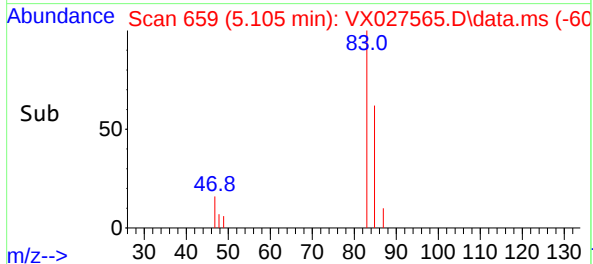
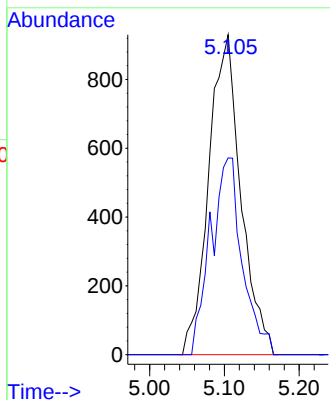
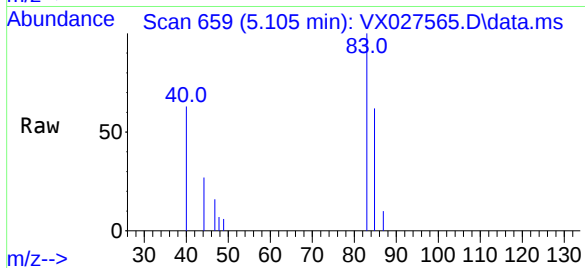
RE-139D2-20220316

Tgt Ion: 83 Resp: 2780

Ion Ratio Lower Upper

83 100

85 61.5 52.7 79.1



#33

1,2-Dichloroethane-d4

Concen: 48.408 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.006 min

Lab File: VX027565.D

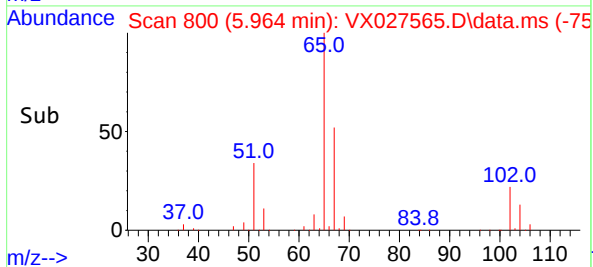
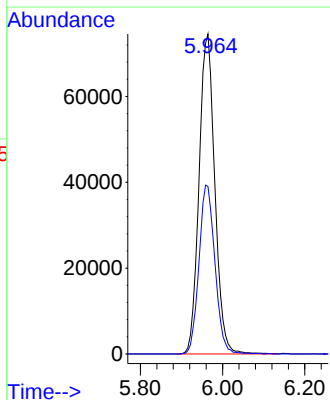
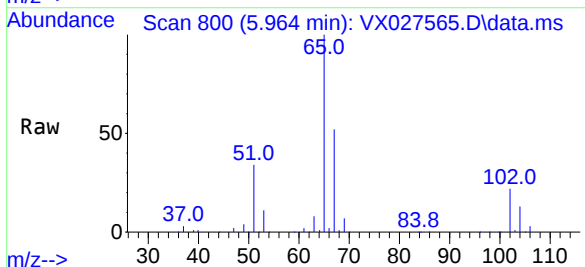
Acq: 19 Mar 2022 17:08

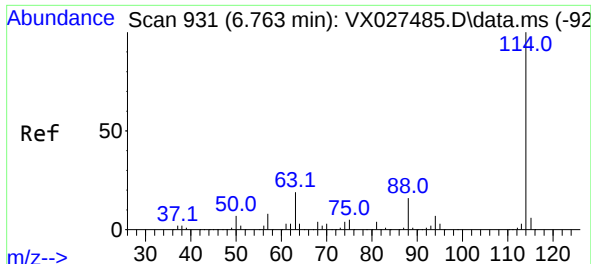
Tgt Ion: 65 Resp: 198584

Ion Ratio Lower Upper

65 100

67 53.4 0.0 107.4

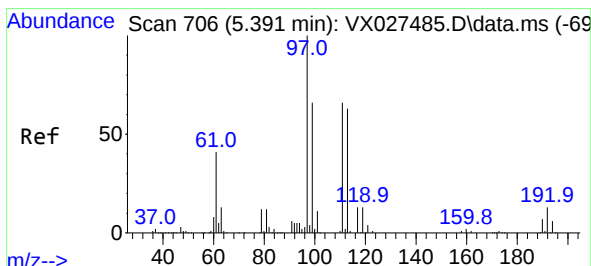
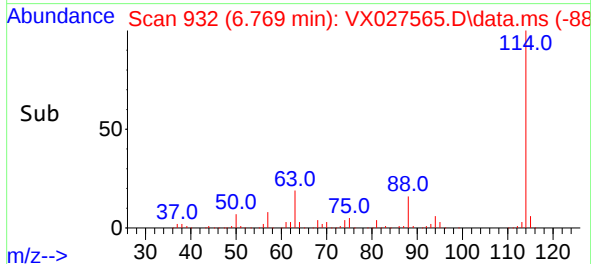
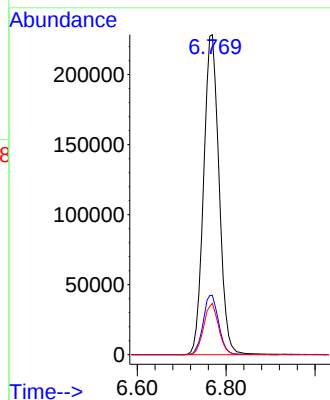
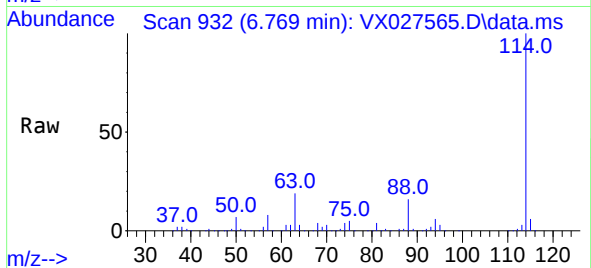




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.769 min Scan# 911  
Delta R.T. 0.006 min  
Lab File: VX027565.D  
Acq: 19 Mar 2022 17:08

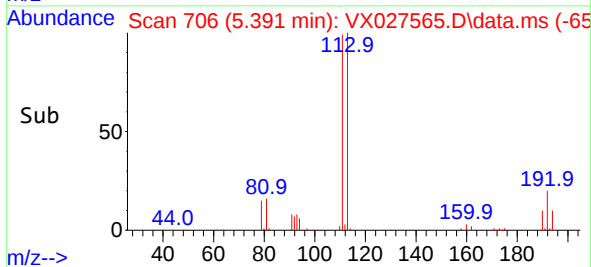
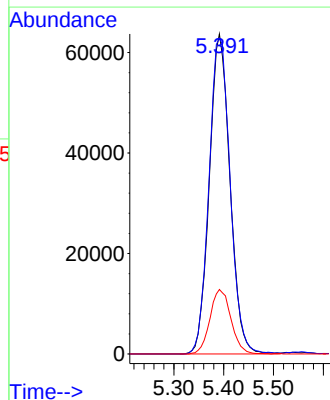
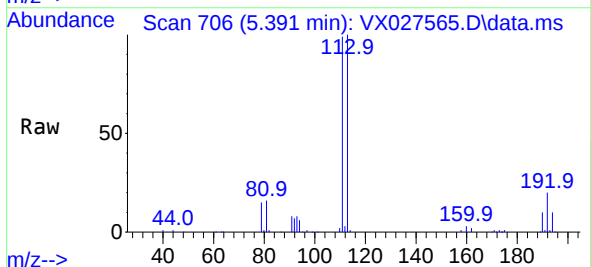
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE-139D2-20220316

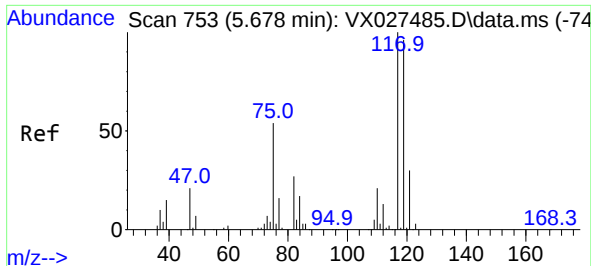
Tgt Ion:114 Resp: 552705  
Ion Ratio Lower Upper  
114 100  
63 18.6 0.0 36.8  
88 16.1 0.0 32.4



#35  
Dibromofluoromethane  
Concen: 51.492 ug/l  
RT: 5.391 min Scan# 706  
Delta R.T. 0.000 min  
Lab File: VX027565.D  
Acq: 19 Mar 2022 17:08

Tgt Ion:113 Resp: 183106  
Ion Ratio Lower Upper  
113 100  
111 101.5 82.8 124.2  
192 20.5 16.9 25.3

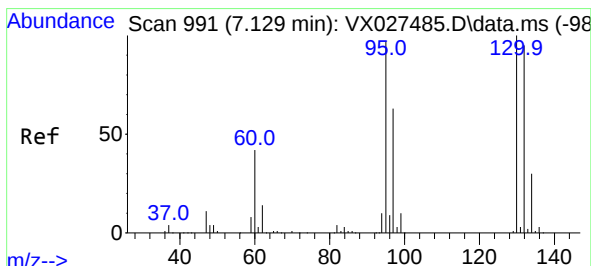
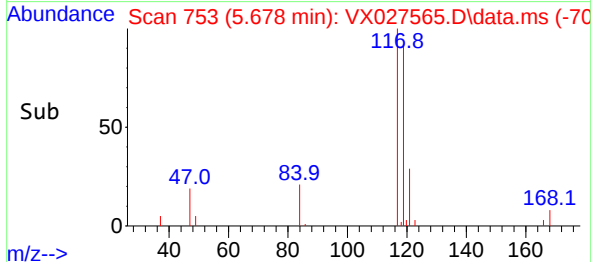
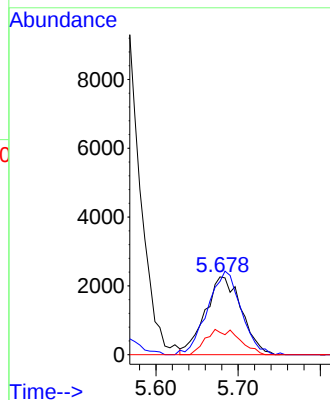
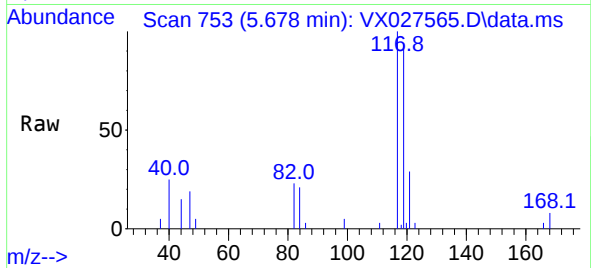




#38  
Carbon Tetrachloride  
Concen: 1.254 ug/l  
RT: 5.678 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VX027565.D  
Acq: 19 Mar 2022 17:08

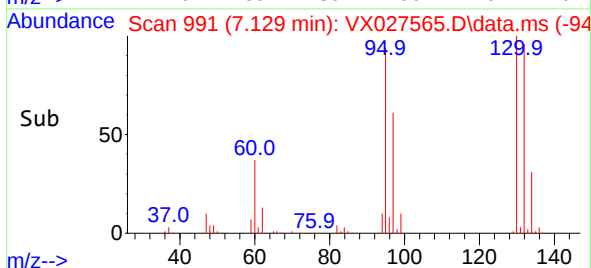
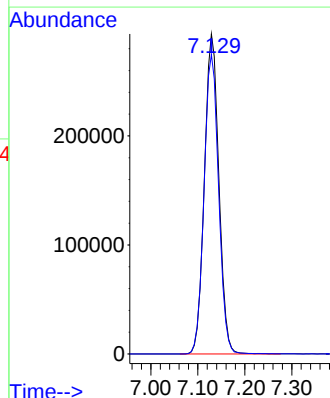
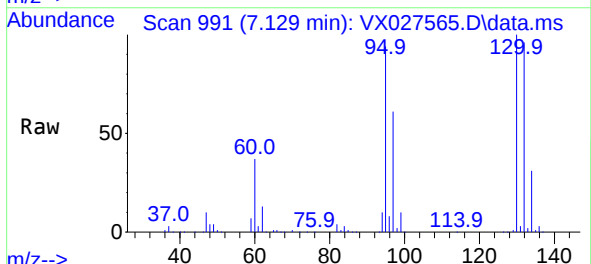
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE-139D2-20220316

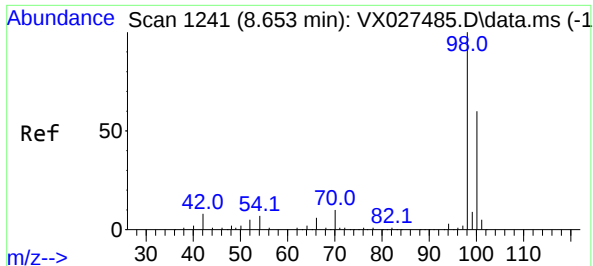
Tgt Ion:117 Resp: 6973  
Ion Ratio Lower Upper  
117 100  
119 92.0 77.3 115.9  
121 28.6 24.2 36.2



#44  
Trichloroethene  
Concen: 147.917 ug/l  
RT: 7.129 min Scan# 991  
Delta R.T. 0.000 min  
Lab File: VX027565.D  
Acq: 19 Mar 2022 17:08

Tgt Ion:130 Resp: 626009  
Ion Ratio Lower Upper  
130 100  
95 93.5 0.0 188.8

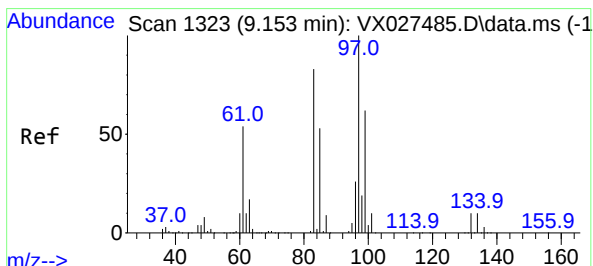
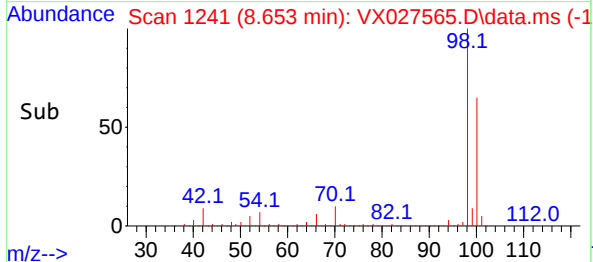
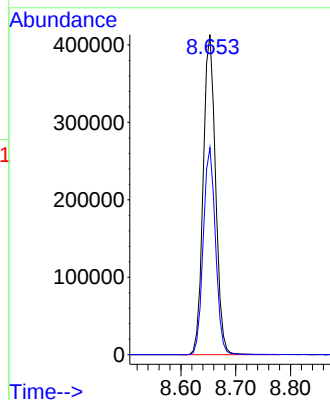
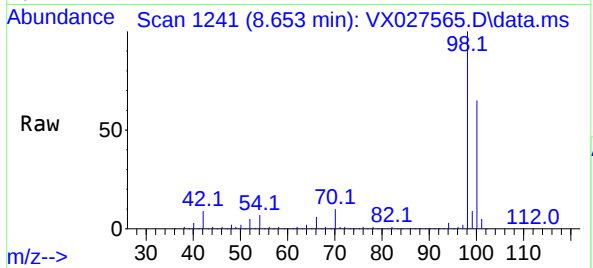




#50  
Toluene-d8  
Concen: 47.985 ug/l  
RT: 8.653 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX027565.D  
Acq: 19 Mar 2022 17:08

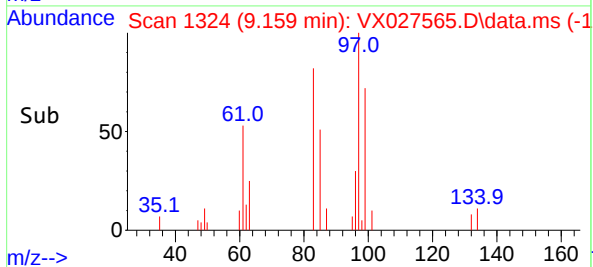
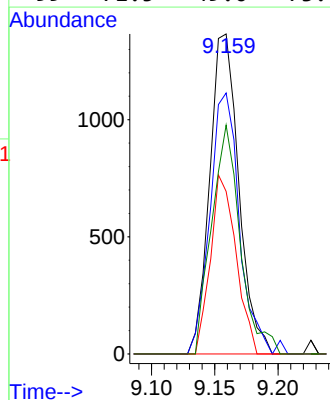
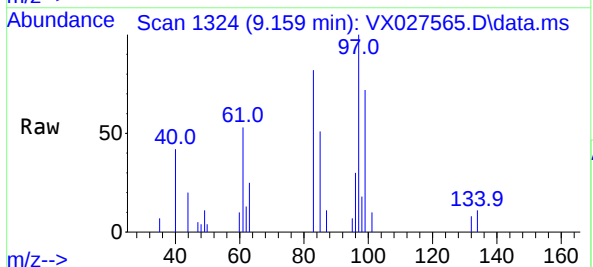
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE-139D2-20220316

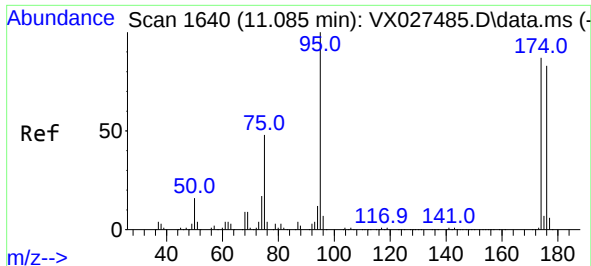
Tgt Ion: 98 Resp: 645696  
Ion Ratio Lower Upper  
98 100  
100 64.2 52.6 78.8



#55  
1,1,2-Trichloroethane  
Concen: 0.576 ug/l  
RT: 9.159 min Scan# 1324  
Delta R.T. 0.006 min  
Lab File: VX027565.D  
Acq: 19 Mar 2022 17:08

Tgt Ion: 97 Resp: 2191  
Ion Ratio Lower Upper  
97 100  
83 81.6 66.2 99.4  
85 50.8 42.9 64.3  
99 71.5 49.0 73.6

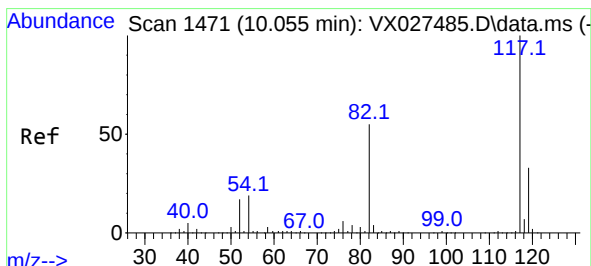
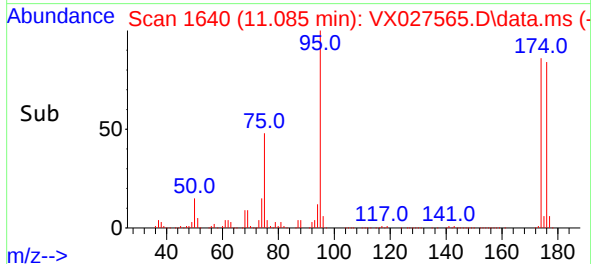
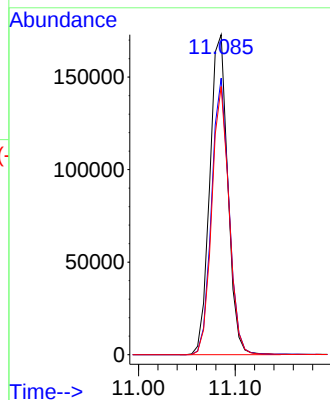
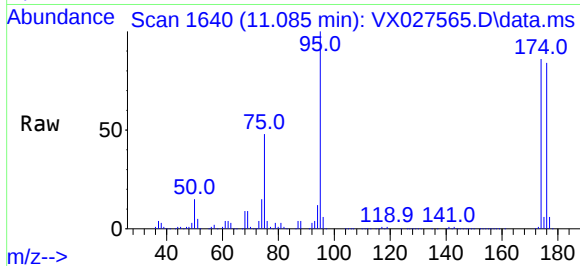




#62  
4-Bromofluorobenzene  
Concen: 45.249 ug/l  
RT: 11.085 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VX027565.D  
Acq: 19 Mar 2022 17:08

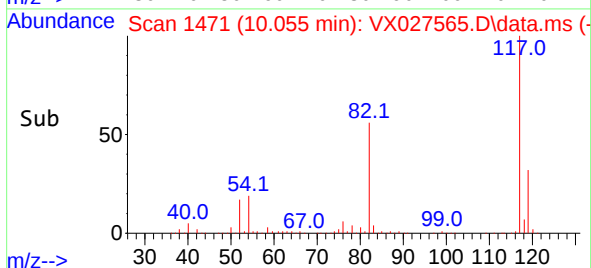
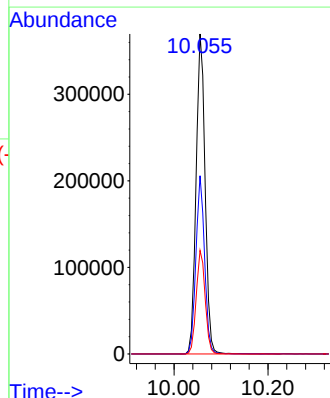
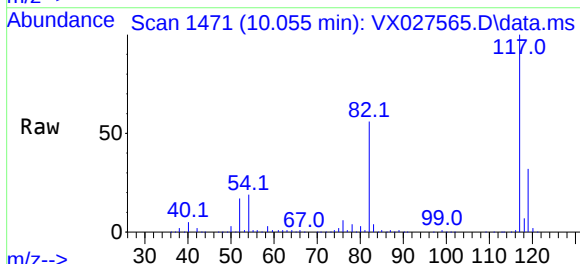
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE-139D2-20220316

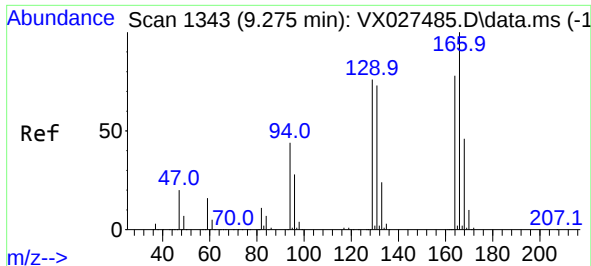
Tgt Ion: 95 Resp: 223797  
Ion Ratio Lower Upper  
95 100  
174 83.7 0.0 163.0  
176 80.4 0.0 155.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX027565.D  
Acq: 19 Mar 2022 17:08

Tgt Ion: 117 Resp: 496185  
Ion Ratio Lower Upper  
117 100  
82 55.7 41.8 62.8  
119 32.4 24.8 37.2



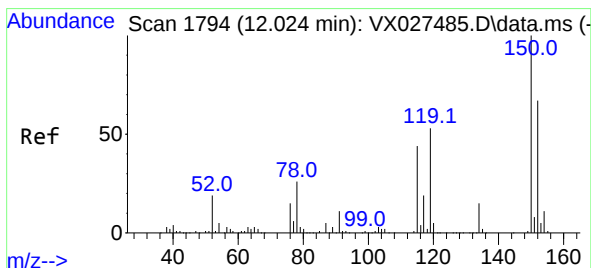
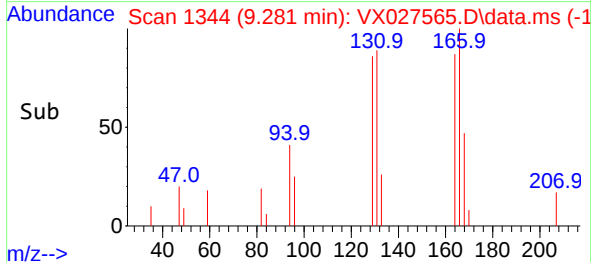
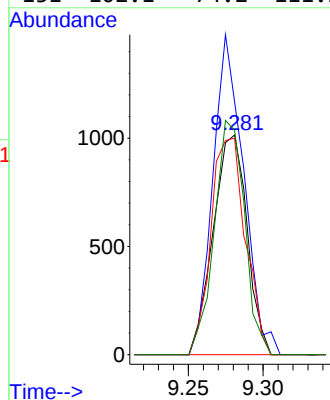
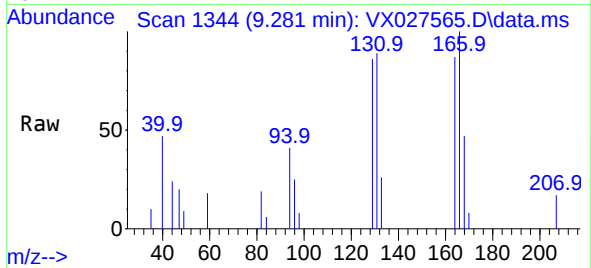


#64  
Tetrachloroethene  
Concen: 0.415 ug/l  
RT: 9.281 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VX027565.D  
Acq: 19 Mar 2022 17:08

Instrument :  
MSVOA\_X  
ClientSampleId :  
RE-139D2-20220316

Tgt Ion:164 Resp: 1601

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 166 | 115.1 | 101.2 | 151.8 |
| 129 | 98.5  | 73.0  | 109.4 |
| 131 | 102.1 | 74.2  | 111.2 |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX027565.D  
Acq: 19 Mar 2022 17:08

Tgt Ion:152 Resp: 221919

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 58.8  | 37.5  | 112.7 |
| 150 | 157.1 | 0.0   | 338.2 |

