

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX032922\  
 Data File : VX027792.D  
 Acq On : 29 Mar 2022 22:39  
 Operator : JC/MD  
 Sample : N2041-09  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE125D2-20220317

Quant Time: Mar 30 05:16:25 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X032922W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 30 04:39:27 2022  
 Response via : Initial Calibration

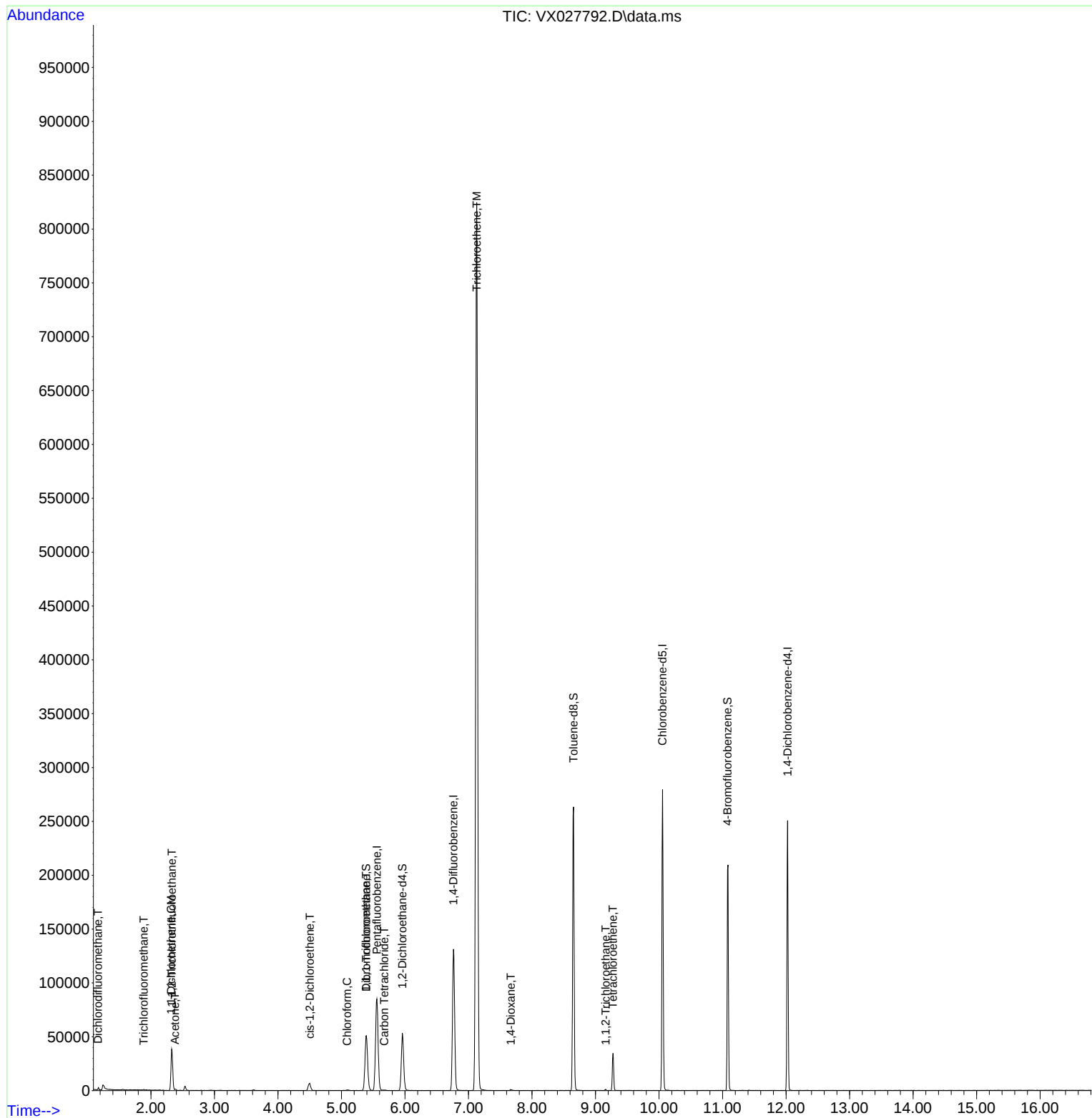
| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 5.556  | 168   | 78860    | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.763  | 114   | 136233   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055 | 117   | 113072   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024 | 152   | 46071    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.958  | 65    | 50142    | 49.279   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 61 - 141 | Recovery | =      | 98.560%  |
| 35) Dibromofluoromethane     | 5.385  | 113   | 45177    | 51.375   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 69 - 133 | Recovery | =      | 102.760% |
| 50) Toluene-d8               | 8.653  | 98    | 153088   | 49.480   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 65 - 126 | Recovery | =      | 98.960%  |
| 62) 4-Bromofluorobenzene     | 11.079 | 95    | 58096    | 44.186   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 58 - 135 | Recovery | =      | 88.380%  |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166  | 85    | 494      | 0.691    | ug/l   | 100      |
| 7) Trichlorofluoromethane    | 1.886  | 101   | 323      | 0.284    | ug/l   | 92       |
| 9) 1,1,2-Trichlorotrifluo... | 2.331  | 101   | 12187    | 16.504   | ug/l   | 98       |
| 12) 1,1-Dichloroethene       | 2.319  | 96    | 3440     | 5.077    | ug/l # | 87       |
| 16) Acetone                  | 2.380  | 43    | 986      | 2.190    | ug/l # | 79       |
| 27) cis-1,2-Dichloroethene   | 4.501  | 96    | 4106     | 4.630    | ug/l   | 96       |
| 30) Chloroform               | 5.086  | 83    | 692      | 0.444    | ug/l   | 98       |
| 32) 1,1,1-Trichloroethane    | 5.385  | 97    | 344      | 0.255    | ug/l # | 43       |
| 38) Carbon Tetrachloride     | 5.672  | 117   | 528      | 0.432    | ug/l # | 48       |
| 44) Trichloroethene          | 7.129  | 130   | 310720   | 340.651  | ug/l   | 91       |
| 49) 1,4-Dioxane              | 7.665  | 88    | 676      | 29.692   | ug/l   | 92       |
| 55) 1,1,2-Trichloroethane    | 9.159  | 97    | 344      | 0.367    | ug/l   | 93       |
| 64) Tetrachloroethene        | 9.275  | 164   | 5889     | 7.681    | ug/l # | 87       |
| -----                        |        |       |          |          |        |          |

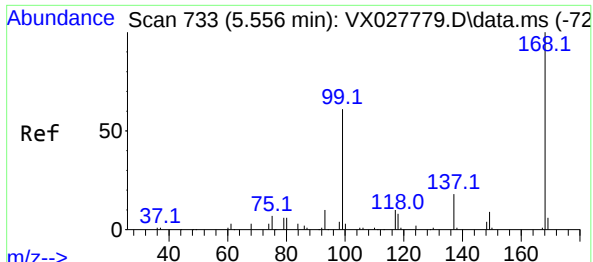
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX032922\  
Data File : VX027792.D  
Acq On : 29 Mar 2022 22:39  
Operator : JC/MD  
Sample : N2041-09  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
RE125D2-20220317

Quant Time: Mar 30 05:16:25 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X032922W.M  
Quant Title : SW846 8260  
QLast Update : Wed Mar 30 04:39:27 2022  
Response via : Initial Calibration

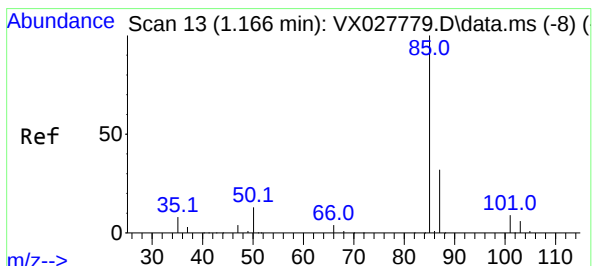
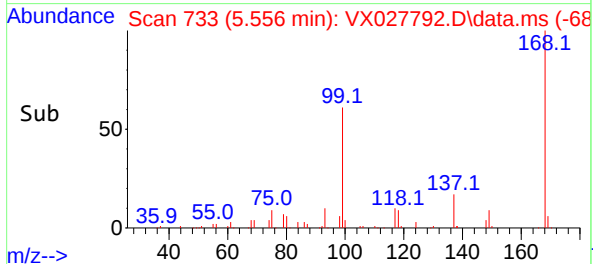
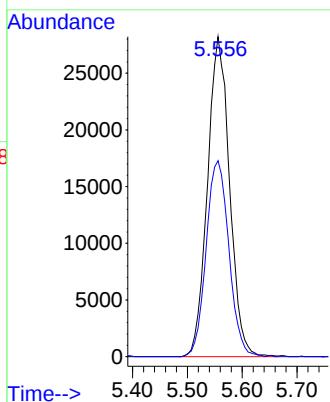
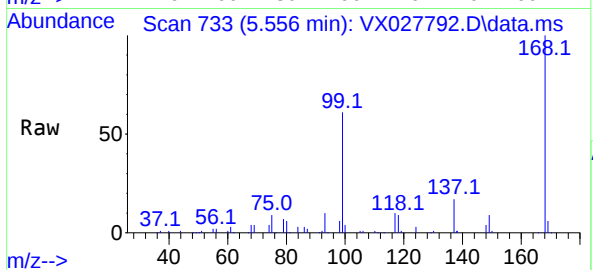




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX027792.D  
Acq: 29 Mar 2022 22:39

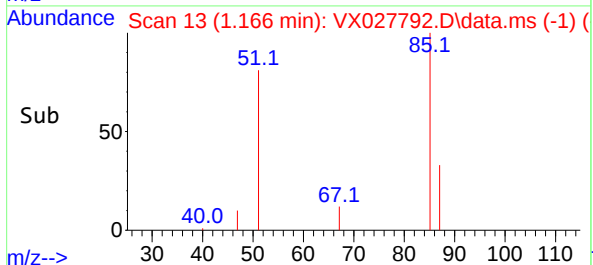
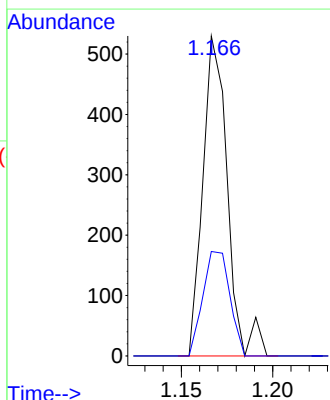
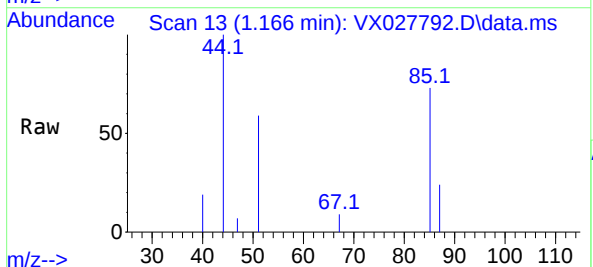
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE125D2-20220317

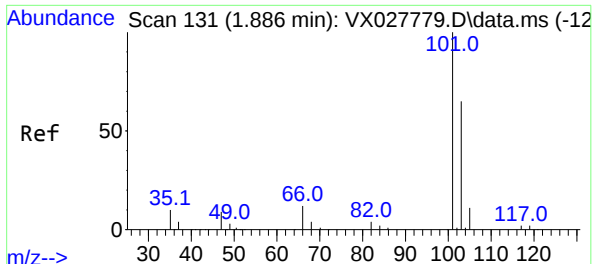
Tgt Ion:168 Resp: 78860  
Ion Ratio Lower Upper  
168 100  
99 61.3 41.7 62.5



#2  
Dichlorodifluoromethane  
Concen: 0.691 ug/l  
RT: 1.166 min Scan# 13  
Delta R.T. 0.000 min  
Lab File: VX027792.D  
Acq: 29 Mar 2022 22:39

Tgt Ion: 85 Resp: 494  
Ion Ratio Lower Upper  
85 100  
87 32.6 16.2 48.6

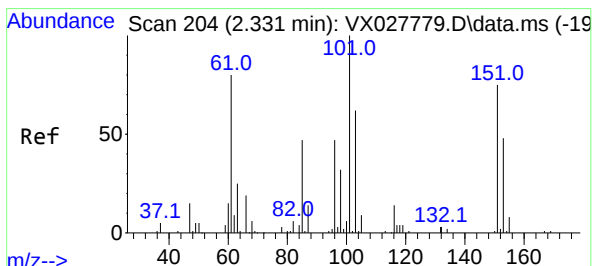
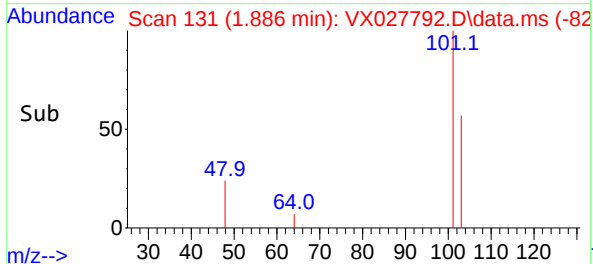
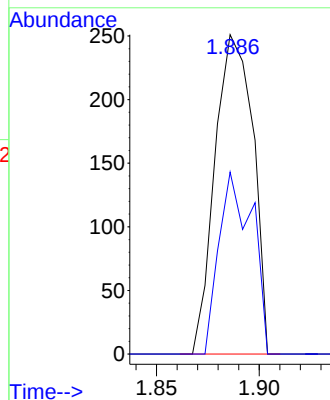
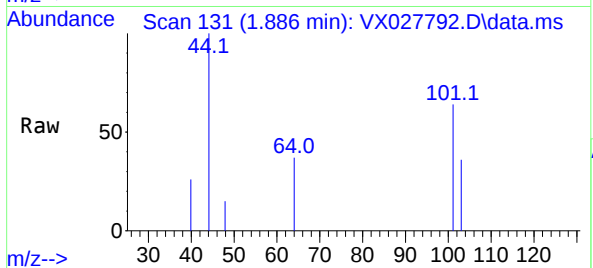




#7  
Trichlorofluoromethane  
Concen: 0.284 ug/l  
RT: 1.886 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX027792.D  
Acq: 29 Mar 2022 22:39

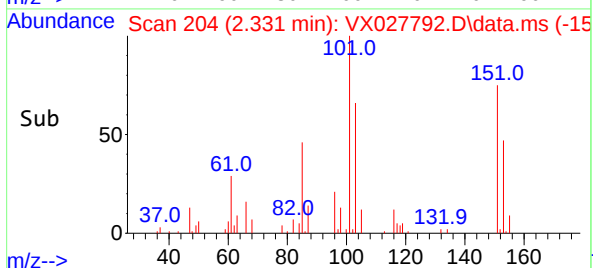
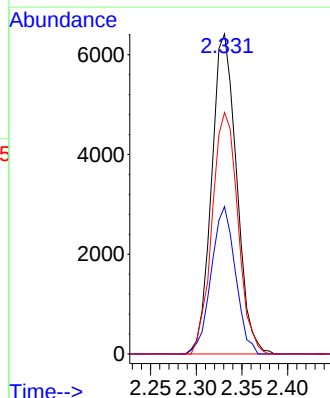
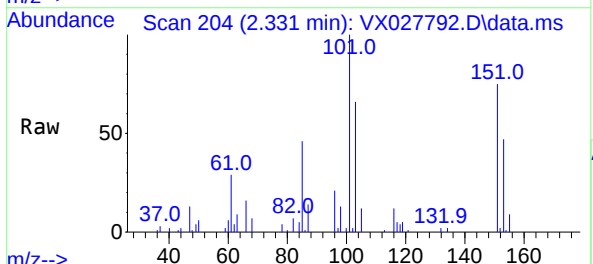
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE125D2-20220317

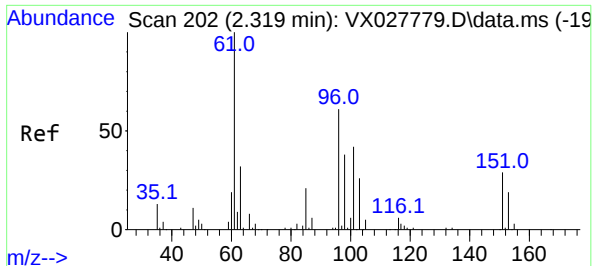
Tgt Ion:101 Resp: 323  
Ion Ratio Lower Upper  
101 100  
103 57.0 50.5 75.7



#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 16.504 ug/l  
RT: 2.331 min Scan# 204  
Delta R.T. -0.000 min  
Lab File: VX027792.D  
Acq: 29 Mar 2022 22:39

Tgt Ion:101 Resp: 12187  
Ion Ratio Lower Upper  
101 100  
85 44.6 33.5 50.3  
151 78.1 61.8 92.6



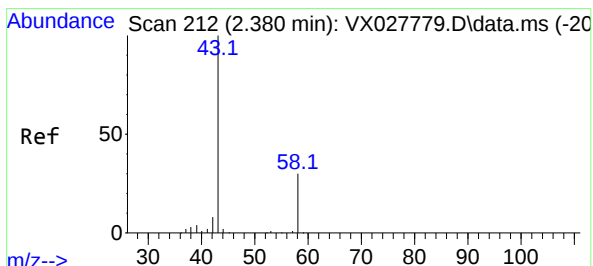
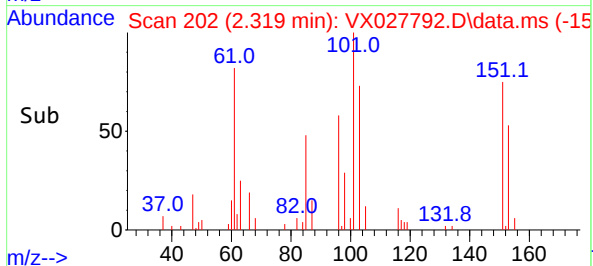
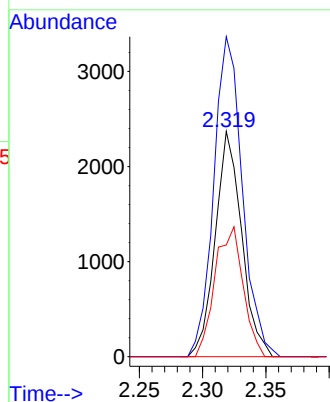
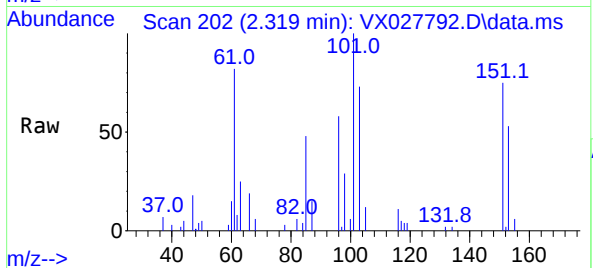


#12  
1,1-Dichloroethene  
Concen: 5.077 ug/l  
RT: 2.319 min Scan# 20  
Delta R.T. -0.000 min  
Lab File: VX027792.D  
Acq: 29 Mar 2022 22:39

Instrument :  
MSVOA\_X  
ClientSampleId :  
RE125D2-20220317

Tgt Ion: 96 Resp: 3440

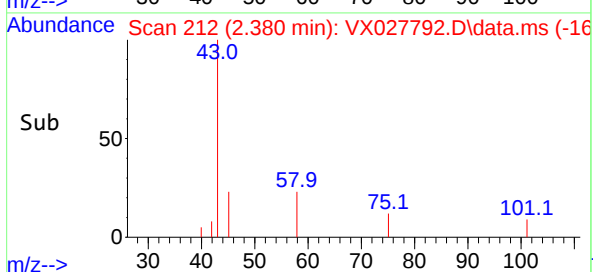
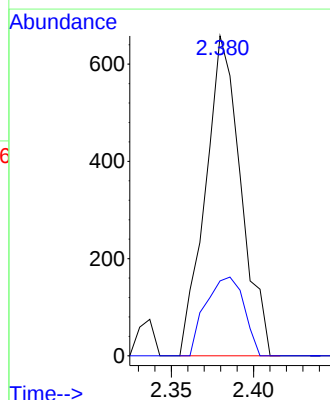
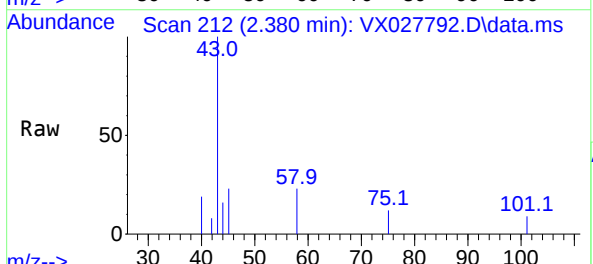
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 142.1 | 124.6 | 187.0 |
| 98  | 49.6  | 51.0  | 76.4  |

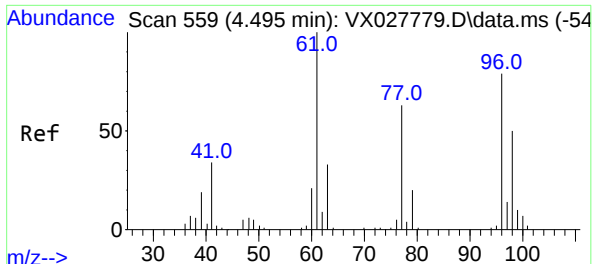


#16  
Acetone  
Concen: 2.190 ug/l  
RT: 2.380 min Scan# 212  
Delta R.T. -0.000 min  
Lab File: VX027792.D  
Acq: 29 Mar 2022 22:39

Tgt Ion: 43 Resp: 986

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 23.4  | 28.8  | 43.2  |

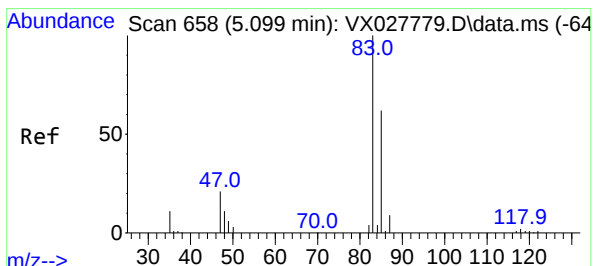
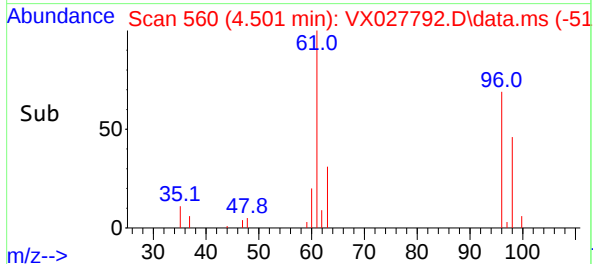
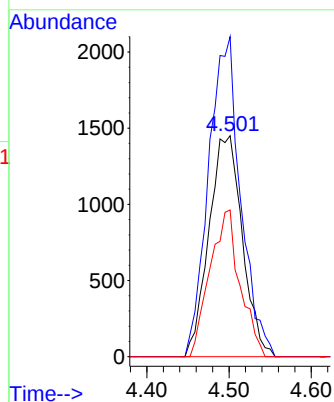
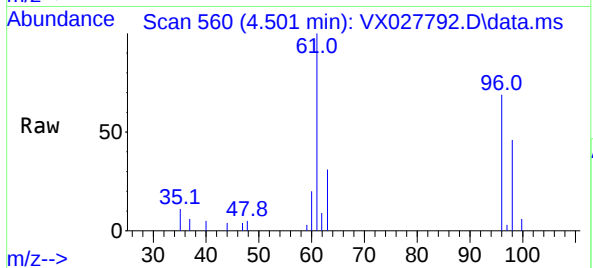




#27  
cis-1,2-Dichloroethene  
Concen: 4.630 ug/l  
RT: 4.501 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VX027792.D  
Acq: 29 Mar 2022 22:39

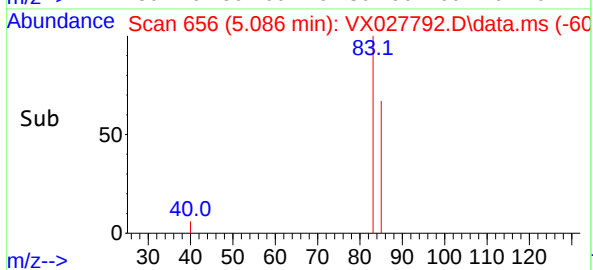
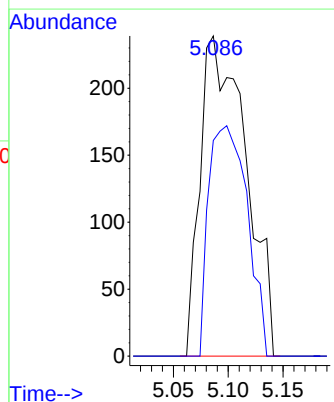
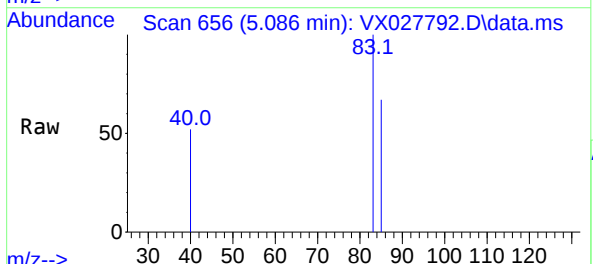
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE125D2-20220317

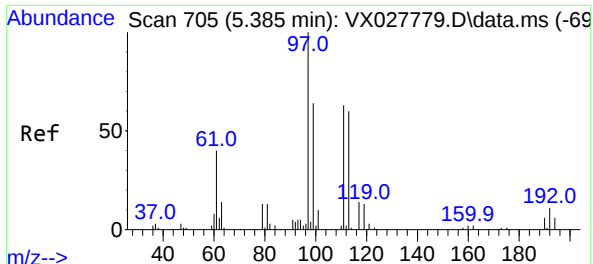
Tgt Ion: 96 Resp: 4106  
Ion Ratio Lower Upper  
96 100  
61 138.6 0.0 283.8  
98 59.6 0.0 129.8



#30  
Chloroform  
Concen: 0.444 ug/l  
RT: 5.086 min Scan# 656  
Delta R.T. -0.013 min  
Lab File: VX027792.D  
Acq: 29 Mar 2022 22:39

Tgt Ion: 83 Resp: 692  
Ion Ratio Lower Upper  
83 100  
85 67.4 52.7 79.1

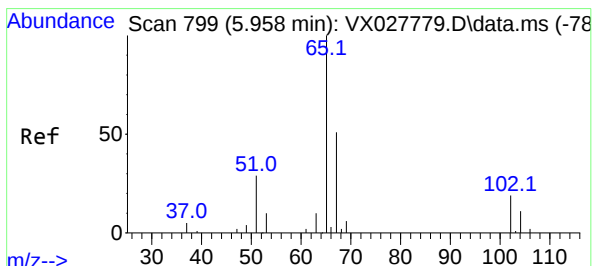
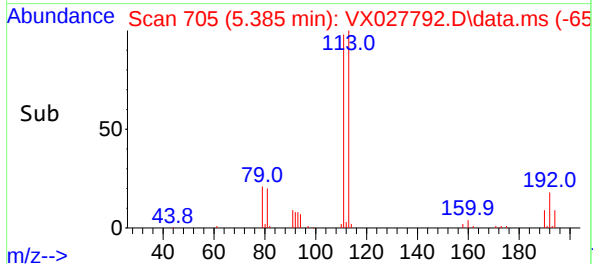
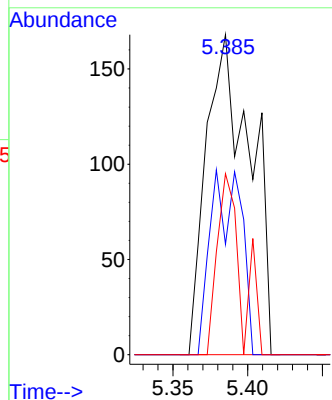
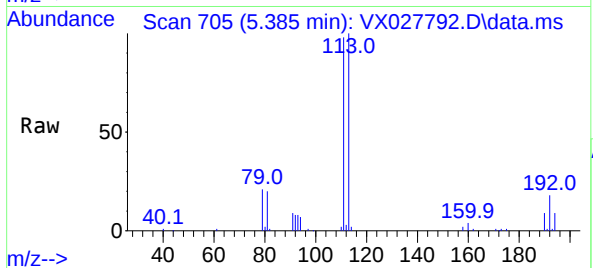




#32  
1,1,1-Trichloroethane  
Concen: 0.255 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX027792.D  
Acq: 29 Mar 2022 22:39

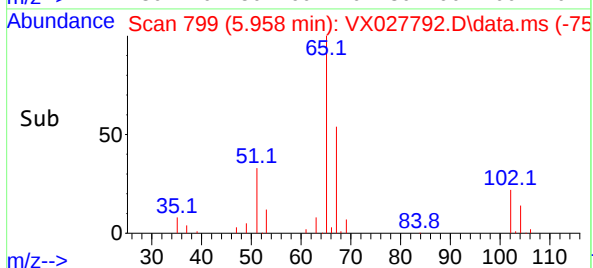
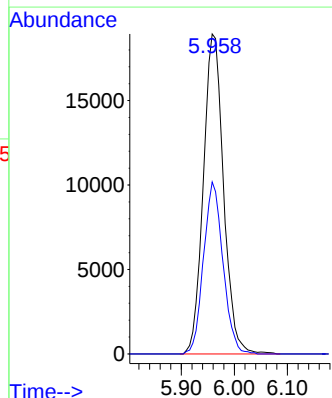
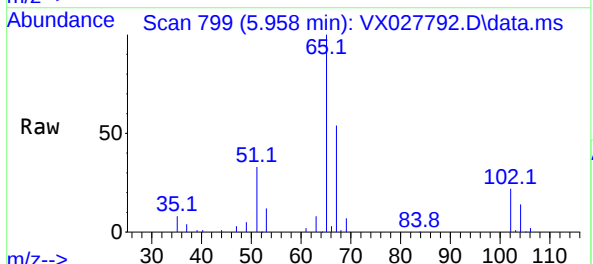
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE125D2-20220317

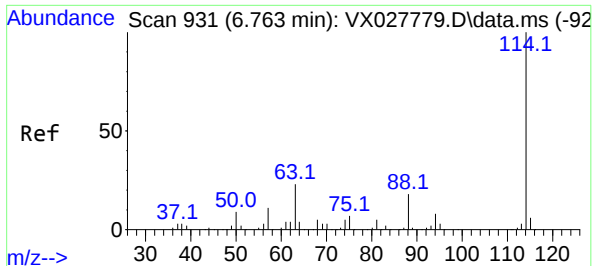
|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 344   |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 99 0.0      | 51.8 77.6#  |
| 61 30.5     | 34.0 51.0#  |



#33  
1,2-Dichloroethane-d4  
Concen: 49.279 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. 0.000 min  
Lab File: VX027792.D  
Acq: 29 Mar 2022 22:39

|             |             |
|-------------|-------------|
| Tgt Ion: 65 | Resp: 50142 |
| Ion Ratio   | Lower Upper |
| 65 100      |             |
| 67 51.8     | 0.0 107.4   |

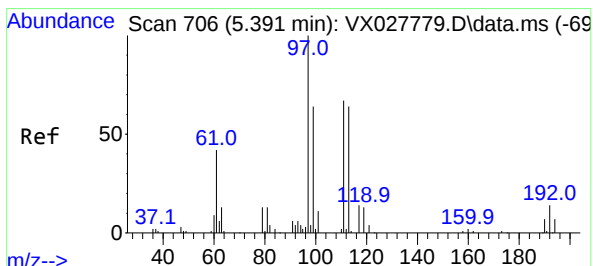
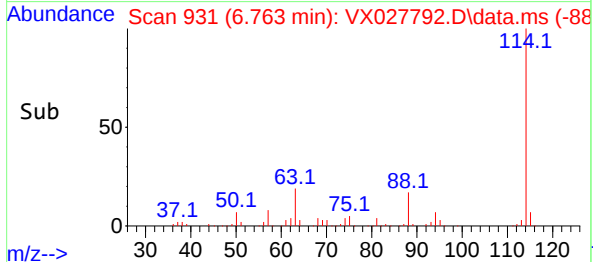
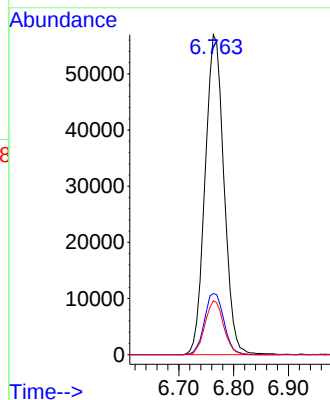
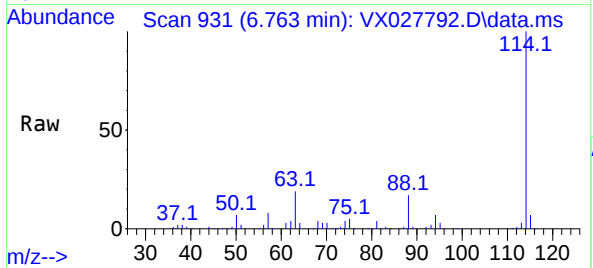




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VX027792.D  
Acq: 29 Mar 2022 22:39

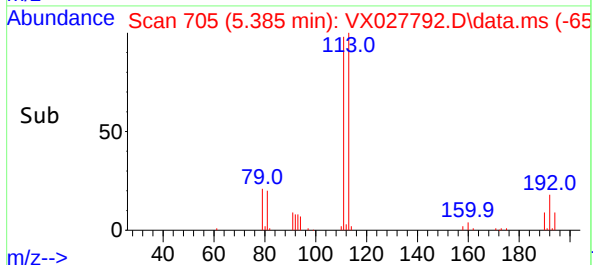
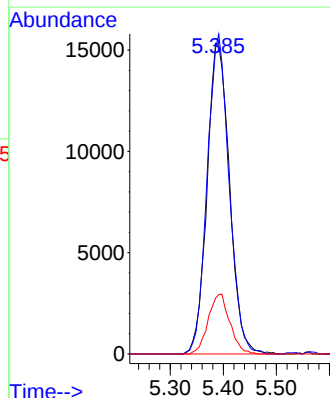
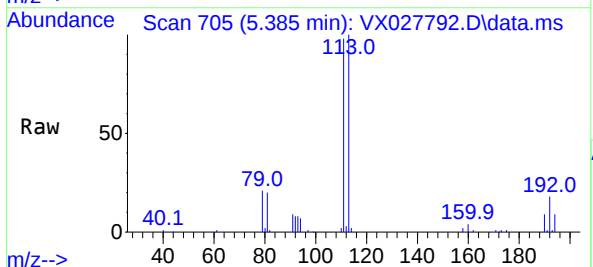
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE125D2-20220317

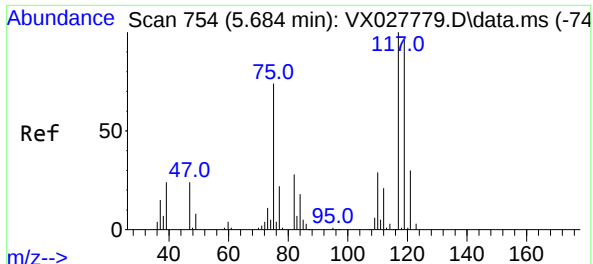
Tgt Ion:114 Resp: 136233  
Ion Ratio Lower Upper  
114 100  
63 19.1 0.0 36.8  
88 16.9 0.0 32.4



#35  
Dibromofluoromethane  
Concen: 51.375 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. -0.006 min  
Lab File: VX027792.D  
Acq: 29 Mar 2022 22:39

Tgt Ion:113 Resp: 45177  
Ion Ratio Lower Upper  
113 100  
111 100.1 82.8 124.2  
192 18.5 16.9 25.3

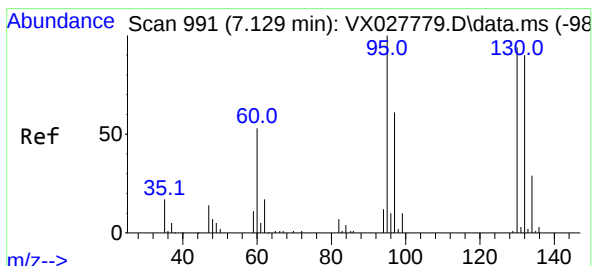
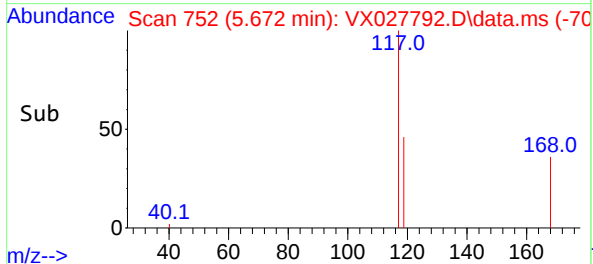
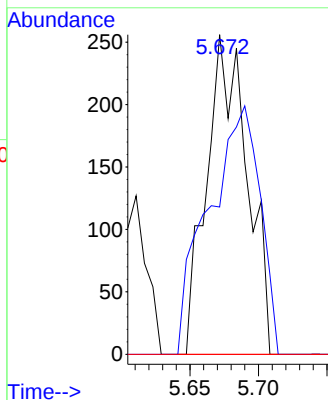
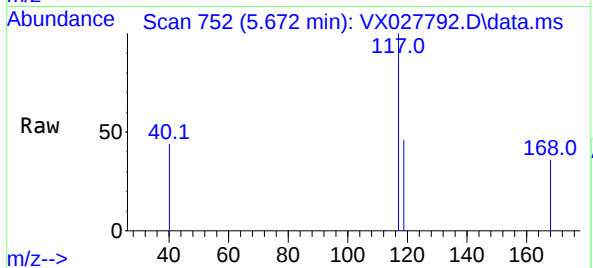




#38  
Carbon Tetrachloride  
Concen: 0.432 ug/l  
RT: 5.672 min Scan# 71  
Delta R.T. -0.012 min  
Lab File: VX027792.D  
Acq: 29 Mar 2022 22:39

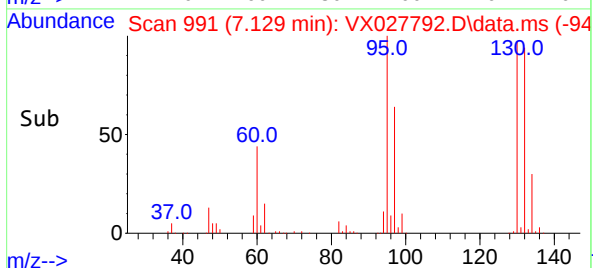
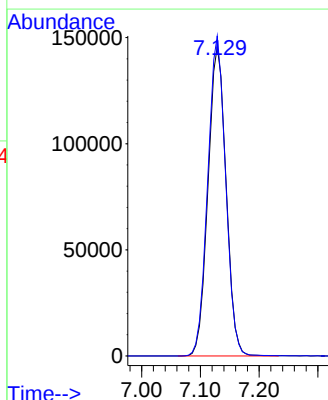
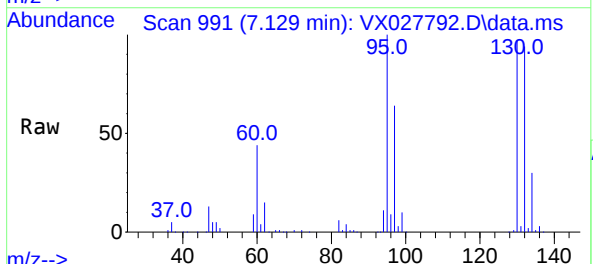
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE125D2-20220317

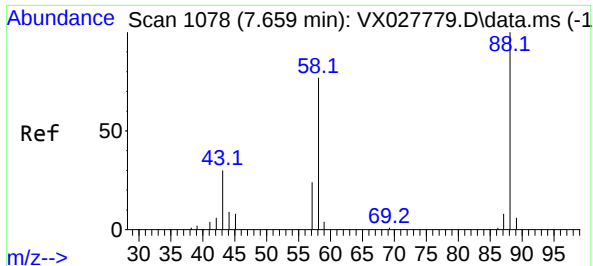
Tgt Ion:117 Resp: 528  
Ion Ratio Lower Upper  
117 100  
119 46.1 77.3 115.9#  
121 0.0 24.2 36.2#



#44  
Trichloroethene  
Concen: 340.651 ug/l  
RT: 7.129 min Scan# 991  
Delta R.T. -0.000 min  
Lab File: VX027792.D  
Acq: 29 Mar 2022 22:39

Tgt Ion:130 Resp: 310720  
Ion Ratio Lower Upper  
130 100  
95 103.5 0.0 188.8





#49

1,4-Dioxane

Concen: 29.692 ug/l

RT: 7.665 min Scan# 1078

Delta R.T. 0.006 min

Lab File: VX027792.D

Acq: 29 Mar 2022 22:39

Instrument :

MSVOA\_X

ClientSampleId :

RE125D2-20220317

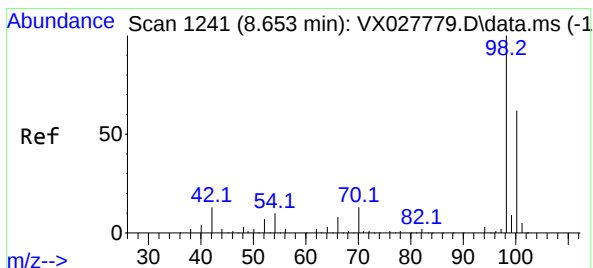
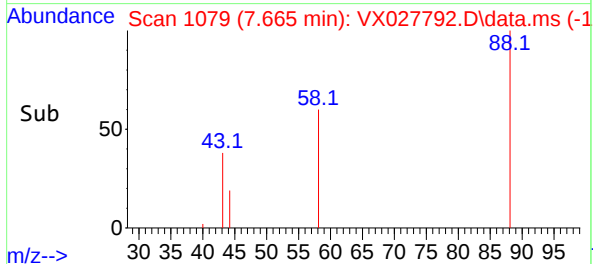
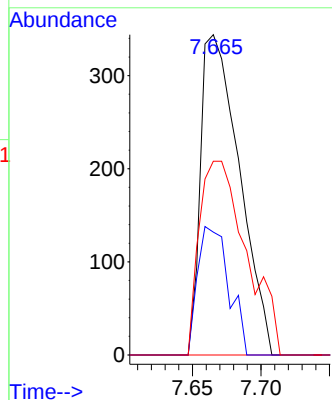
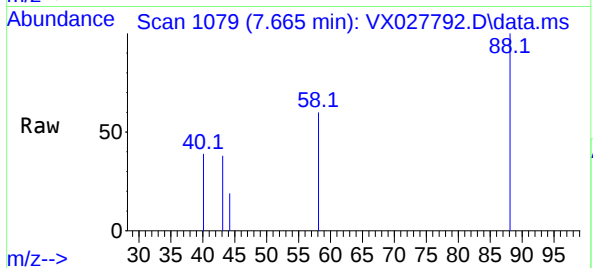
Tgt Ion: 88 Resp: 676

Ion Ratio Lower Upper

88 100

43 32.1 21.9 32.9

58 73.4 53.7 80.5



#50

Toluene-d8

Concen: 49.480 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX027792.D

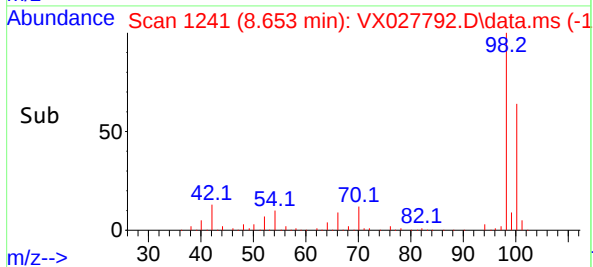
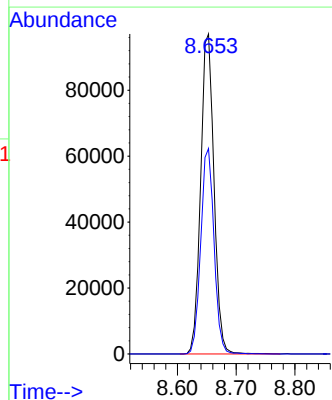
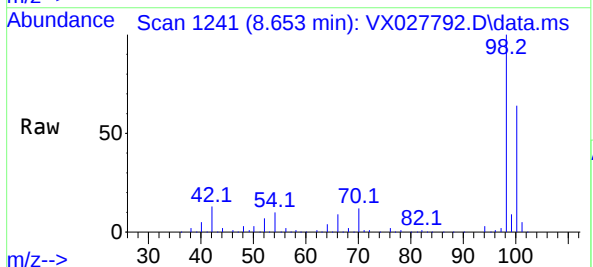
Acq: 29 Mar 2022 22:39

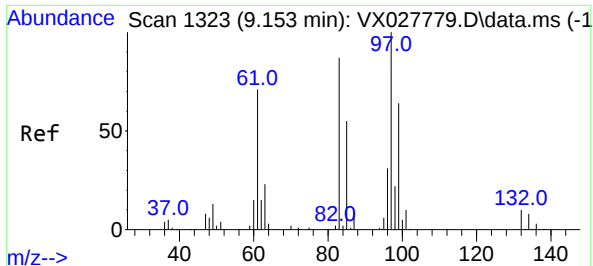
Tgt Ion: 98 Resp: 153088

Ion Ratio Lower Upper

98 100

100 64.0 52.6 78.8



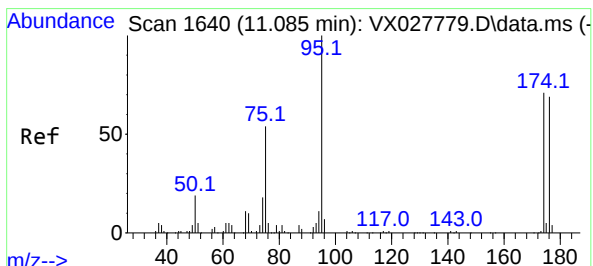
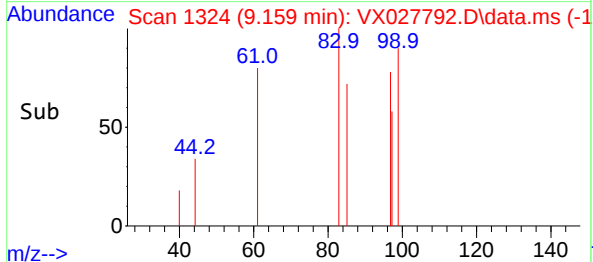
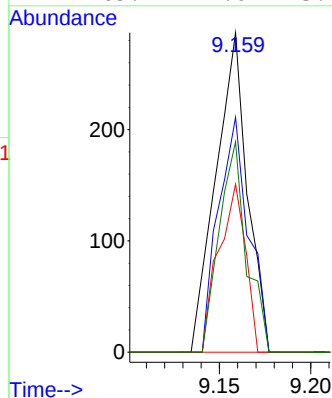
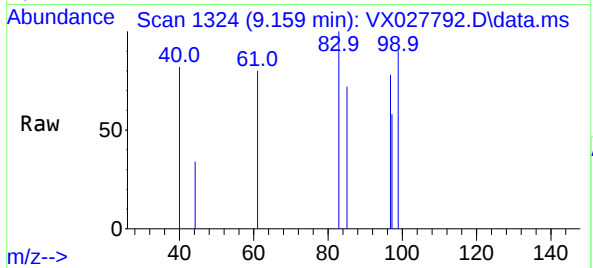


#55  
1,1,2-Trichloroethane  
Concen: 0.367 ug/l  
RT: 9.159 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VX027792.D  
Acq: 29 Mar 2022 22:39

Instrument :  
MSVOA\_X  
ClientSampleId :  
RE125D2-20220317

Tgt Ion: 97 Resp: 344

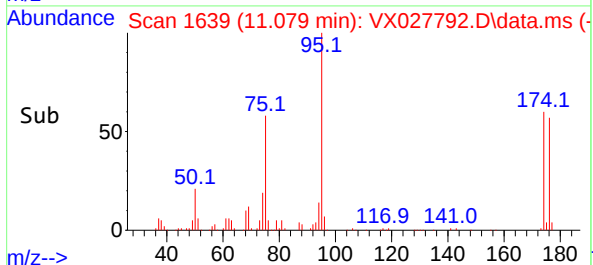
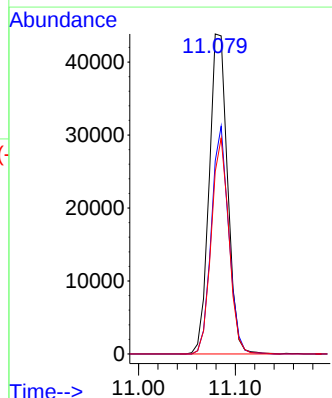
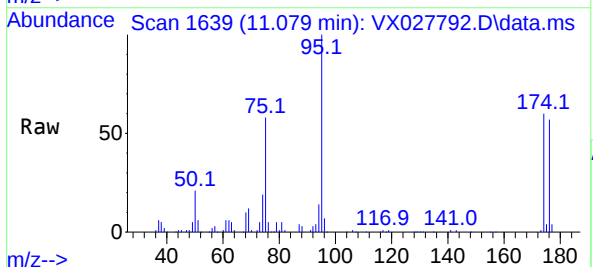
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 73.5  | 66.2  | 99.4  |
| 85  | 52.6  | 42.9  | 64.3  |
| 99  | 65.9  | 49.0  | 73.6  |

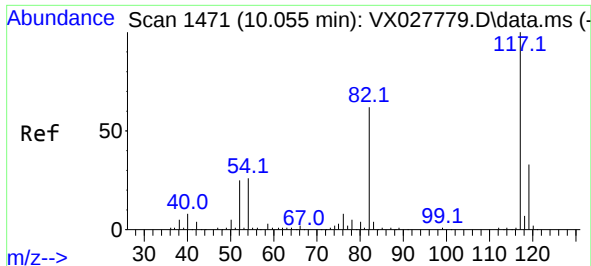


#62  
4-Bromofluorobenzene  
Concen: 44.186 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.006 min  
Lab File: VX027792.D  
Acq: 29 Mar 2022 22:39

Tgt Ion: 95 Resp: 58096

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 174 | 67.0  | 0.0   | 163.0 |
| 176 | 64.2  | 0.0   | 155.0 |

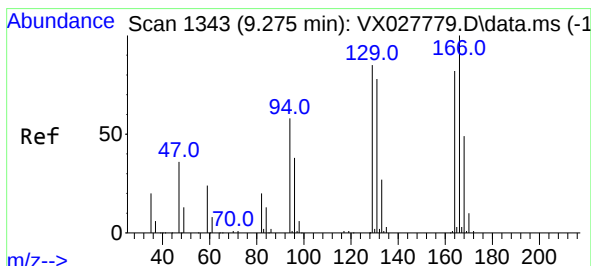
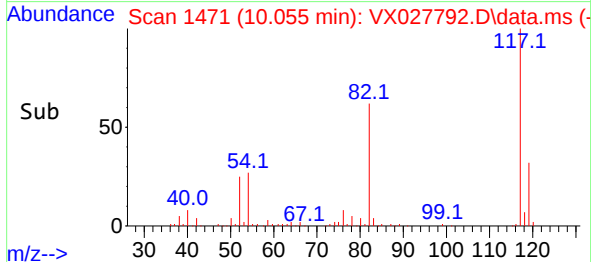
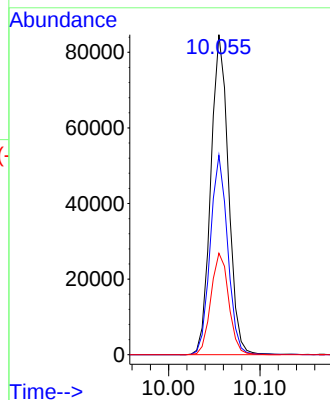
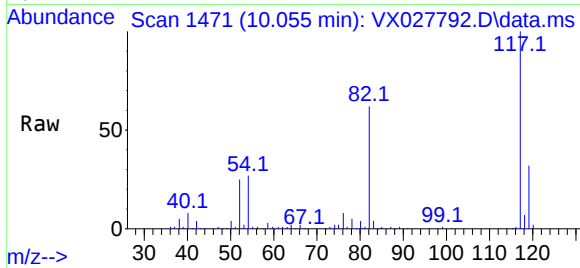




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX027792.D  
Acq: 29 Mar 2022 22:39

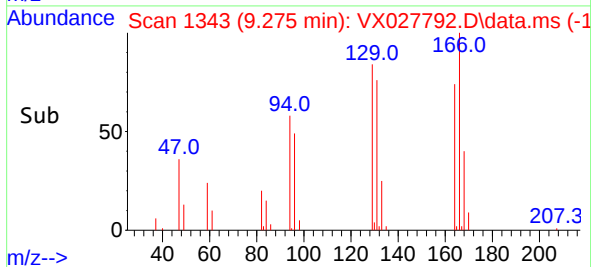
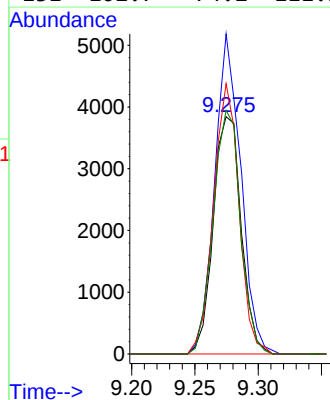
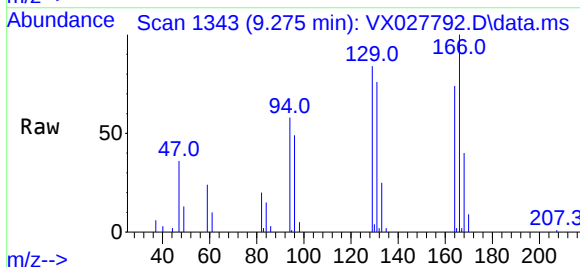
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE125D2-20220317

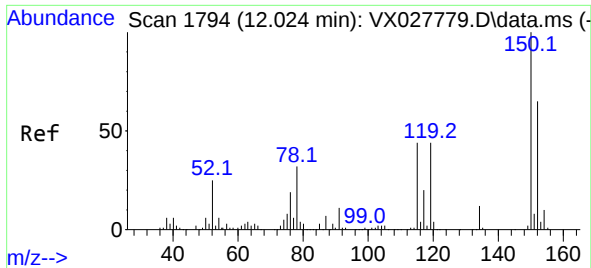
Tgt Ion:117 Resp: 113072  
Ion Ratio Lower Upper  
117 100  
82 62.3 41.8 62.8  
119 31.7 24.8 37.2



#64  
Tetrachloroethene  
Concen: 7.681 ug/l  
RT: 9.275 min Scan# 1343  
Delta R.T. -0.000 min  
Lab File: VX027792.D  
Acq: 29 Mar 2022 22:39

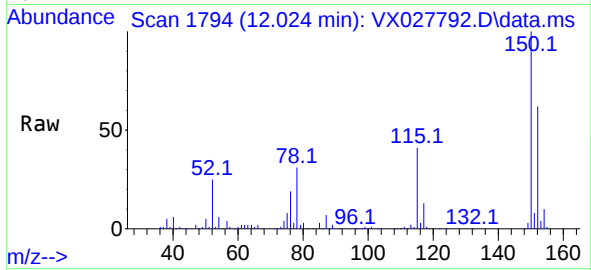
Tgt Ion:164 Resp: 5889  
Ion Ratio Lower Upper  
164 100  
166 134.9 101.2 151.8  
129 113.9 73.0 109.4#  
131 102.7 74.2 111.2





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VX027792.D  
 Acq: 29 Mar 2022 22:39

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE125D2-20220317



Tgt Ion:152 Resp: 46071  
 Ion Ratio Lower Upper  
 152 100  
 115 66.7 37.5 112.7  
 150 159.5 0.0 338.2

