

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110422\  
 Data File : VX032608.D  
 Acq On : 05 Nov 2022 06:19  
 Operator : JC/MD  
 Sample : N5484-03  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 49 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Nov 07 05:10:08 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102622W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 27 08:28:06 2022  
 Response via : Initial Calibration

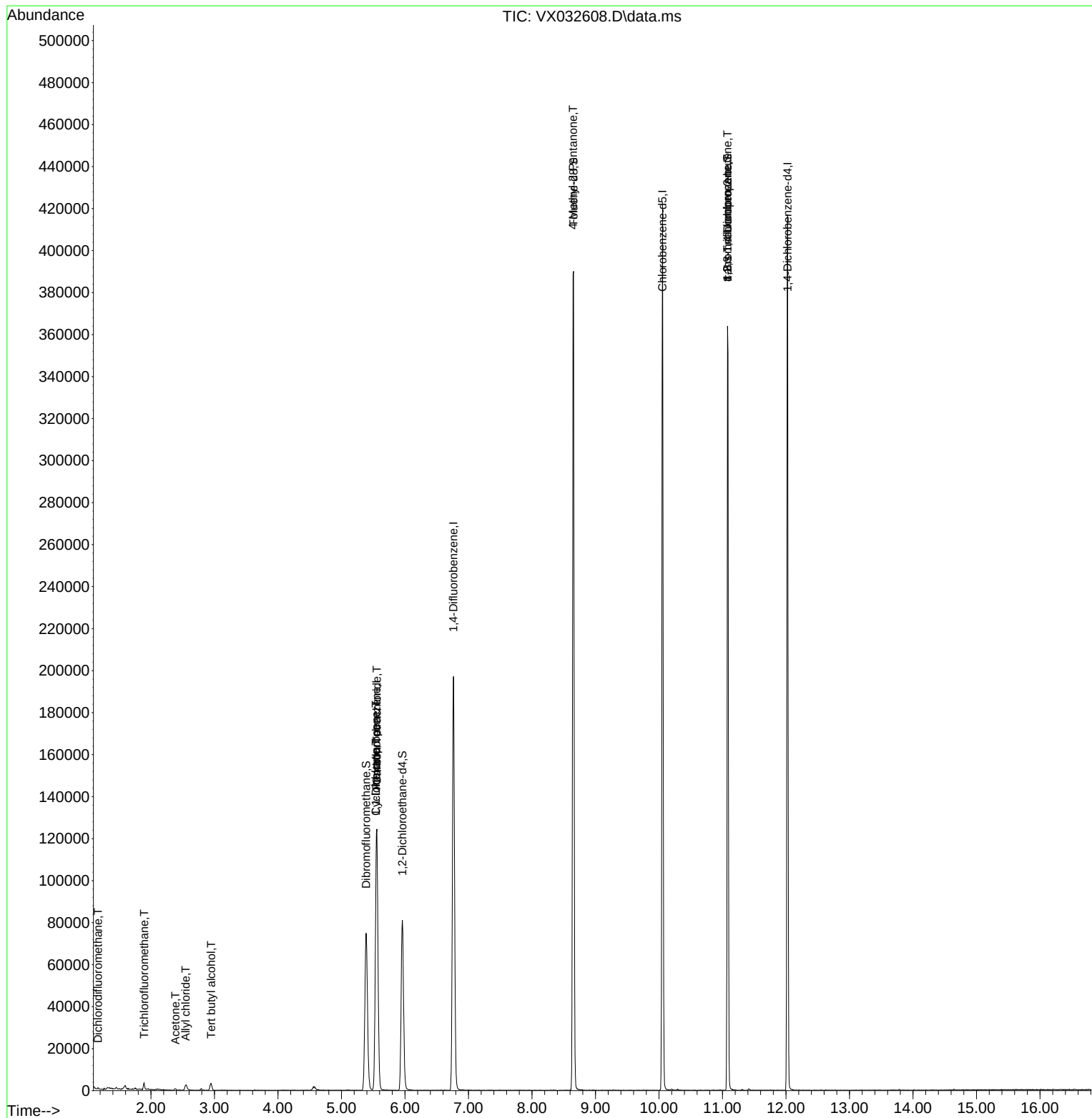
| Compound                      | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|----------|----------|
| -----                         |        |                |          |        |          |          |
| Internal Standards            |        |                |          |        |          |          |
| 1) Pentafluorobenzene         | 5.550  | 168            | 118227   | 50.000 | ug/l     | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763  | 114            | 195692   | 50.000 | ug/l     | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117            | 178156   | 50.000 | ug/l     | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152            | 83977    | 50.000 | ug/l     | 0.00     |
| System Monitoring Compounds   |        |                |          |        |          |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65             | 82545    | 50.248 | ug/l     | 0.00     |
| Spiked Amount                 | 50.000 | Range 78 - 117 | Recovery | =      | 100.500% |          |
| 35) Dibromofluoromethane      | 5.385  | 113            | 63759    | 45.676 | ug/l     | 0.00     |
| Spiked Amount                 | 50.000 | Range 75 - 124 | Recovery | =      | 91.360%  |          |
| 50) Toluene-d8                | 8.653  | 98             | 235943   | 48.610 | ug/l     | 0.00     |
| Spiked Amount                 | 50.000 | Range 92 - 112 | Recovery | =      | 97.220%  |          |
| 62) 4-Bromofluorobenzene      | 11.079 | 95             | 91274    | 48.140 | ug/l     | 0.00     |
| Spiked Amount                 | 50.000 | Range 83 - 123 | Recovery | =      | 96.280%  |          |
| Target Compounds              |        |                |          |        |          |          |
|                               |        |                |          |        | Qvalue   |          |
| 2) Dichlorodifluoromethane    | 1.167  | 85             | 478      | 0.351  | ug/l     | 91       |
| 7) Trichlorofluoromethane     | 1.892  | 101            | 1857     | 0.772  | ug/l     | 98       |
| 11) Tert butyl alcohol        | 2.947  | 59             | 1979     | 8.277  | ug/l #   | 72       |
| 14) Allyl chloride            | 2.544  | 41             | 419      | 0.222  | ug/l #   | 73       |
| 16) Acetone                   | 2.386  | 43             | 928      | 1.554  | ug/l     | 100      |
| 31) Cyclohexane               | 5.544  | 56             | 2578     | 1.294  | ug/l #   | 19       |
| 36) 1,1-Dichloropropene       | 5.544  | 75             | 9221     | 4.744  | ug/l #   | 50       |
| 38) Carbon Tetrachloride      | 5.556  | 117            | 12319    | 5.714  | ug/l #   | 15       |
| 51) 4-Methyl-2-Pentanone      | 8.647  | 43             | 1199     | 0.613  | ug/l #   | 1        |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75             | 50164    | 26.850 | ug/l #   | 37       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75             | 50164    | 85.438 | ug/l #   | 6        |
| -----                         |        |                |          |        |          |          |

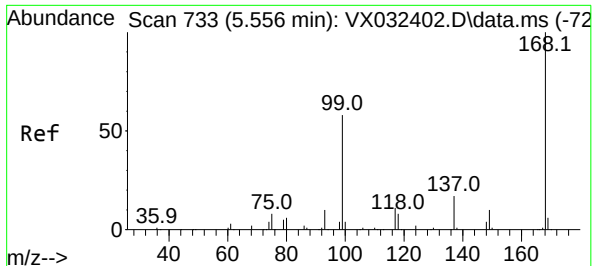
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_X  
ClientSampleId :

Quant Time: Nov 07 05:10:08 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102622W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 27 08:28:06 2022  
Response via : Initial Calibration

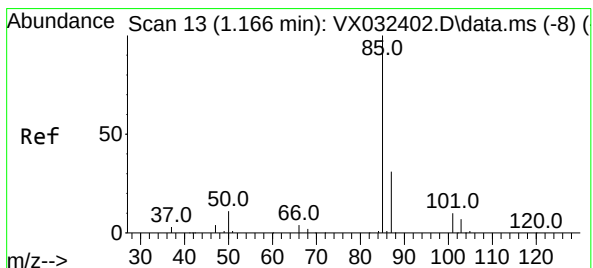
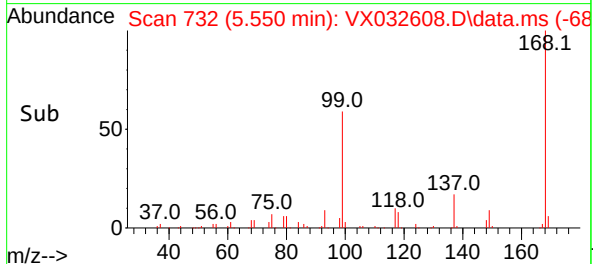
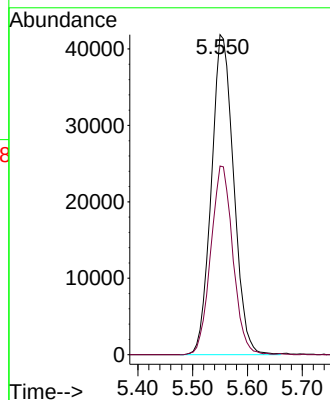
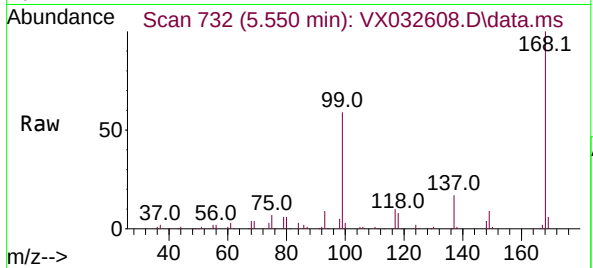




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: VX032608.D  
Acq: 05 Nov 2022 06:19

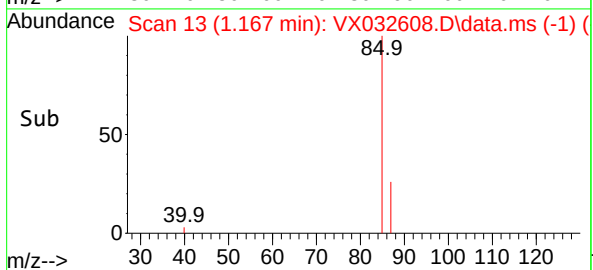
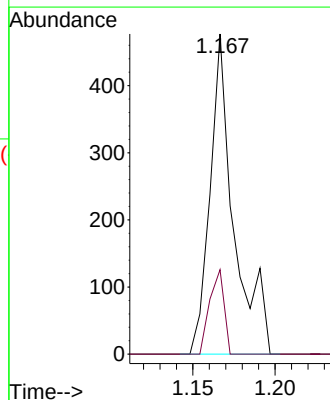
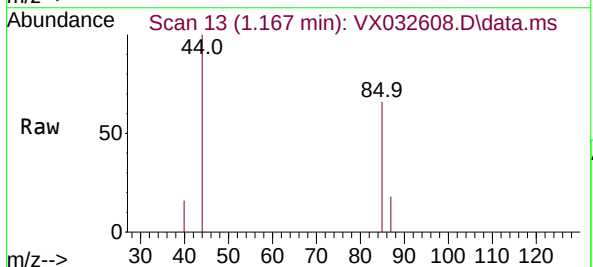
Instrument :  
MSVOA\_X  
ClientSampleId :

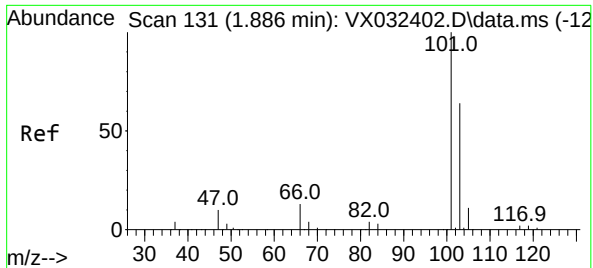
Tgt Ion:168 Resp: 118227  
Ion Ratio Lower Upper  
168 100  
99 59.0 46.1 69.1



#2  
Dichlorodifluoromethane  
Concen: 0.351 ug/l  
RT: 1.167 min Scan# 13  
Delta R.T. 0.000 min  
Lab File: VX032608.D  
Acq: 05 Nov 2022 06:19

Tgt Ion: 85 Resp: 478  
Ion Ratio Lower Upper  
85 100  
87 26.4 15.6 46.7

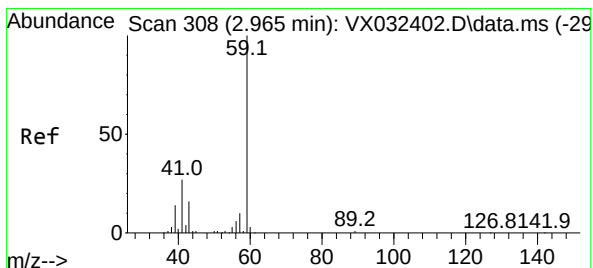
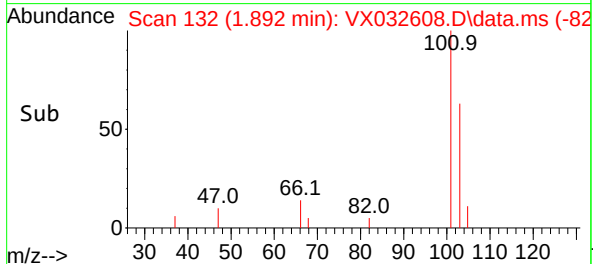
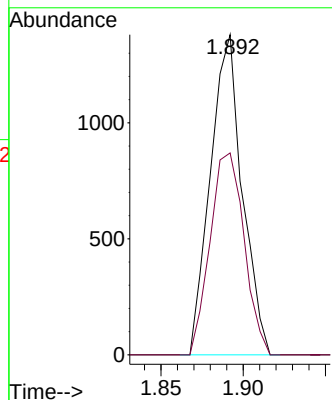
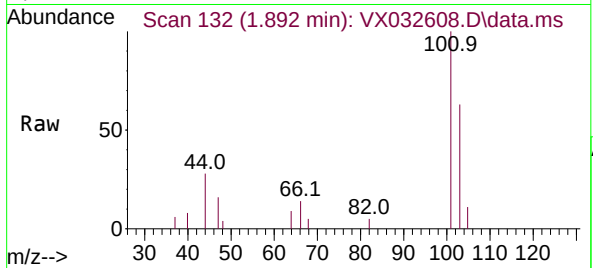




#7  
 Trichlorofluoromethane  
 Concen: 0.772 ug/l  
 RT: 1.892 min Scan# 11  
 Delta R.T. 0.006 min  
 Lab File: VX032608.D  
 Acq: 05 Nov 2022 06:19

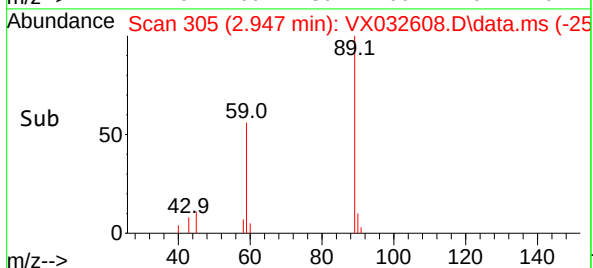
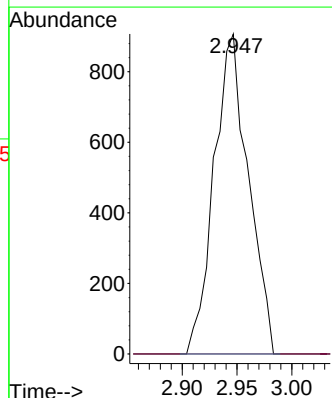
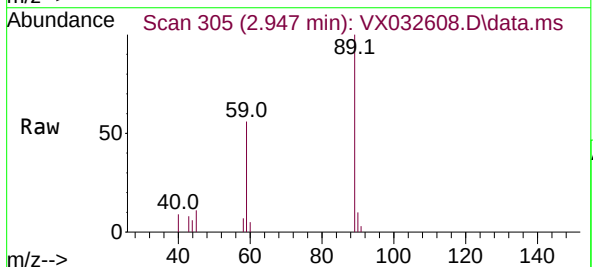
Instrument :  
 MSVOA\_X  
 ClientSampleId :

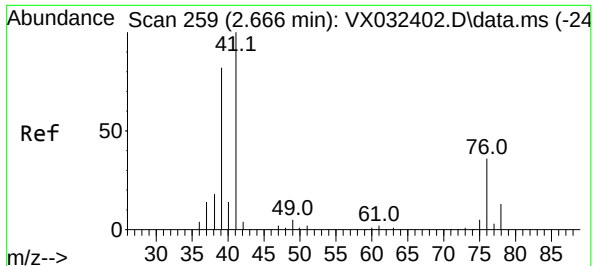
Tgt Ion:101 Resp: 1857  
 Ion Ratio Lower Upper  
 101 100  
 103 63.0 51.4 77.2



#11  
 Tert butyl alcohol  
 Concen: 8.277 ug/l  
 RT: 2.947 min Scan# 305  
 Delta R.T. -0.018 min  
 Lab File: VX032608.D  
 Acq: 05 Nov 2022 06:19

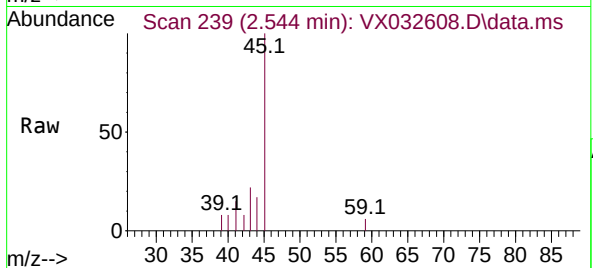
Tgt Ion: 59 Resp: 1979  
 Ion Ratio Lower Upper  
 59 100  
 57 0.0 8.2 12.4#



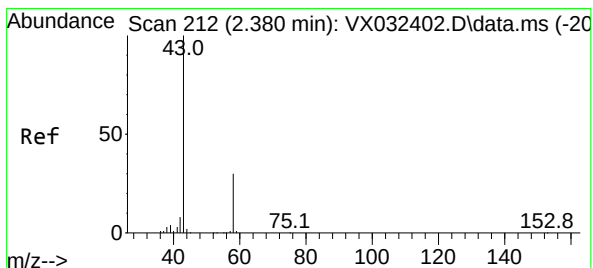
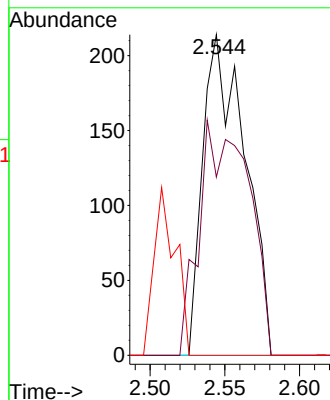
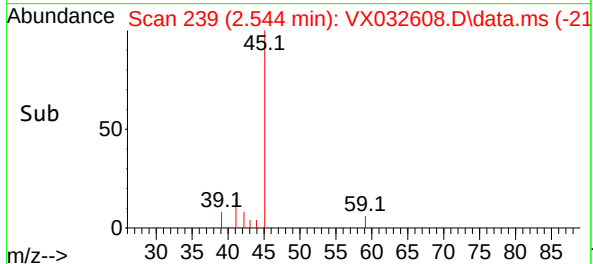


#14  
 Allyl chloride  
 Concen: 0.222 ug/l  
 RT: 2.544 min Scan# 213  
 Delta R.T. -0.122 min  
 Lab File: VX032608.D  
 Acq: 05 Nov 2022 06:19

Instrument :  
 MSVOA\_X  
 ClientSampleId :

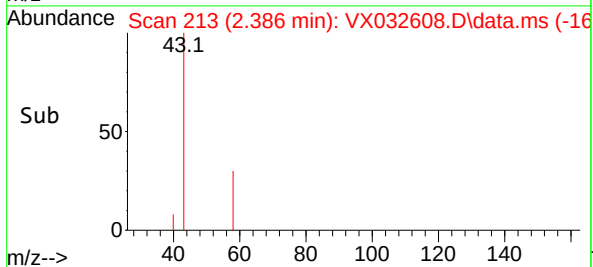
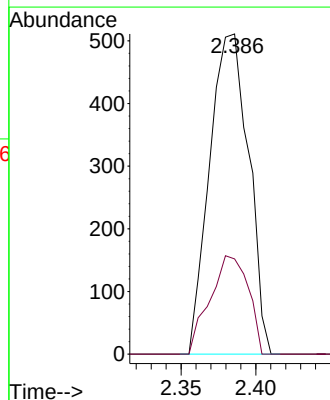
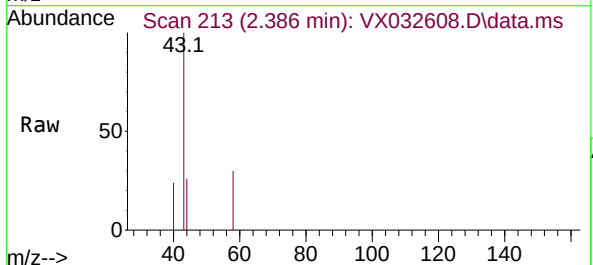


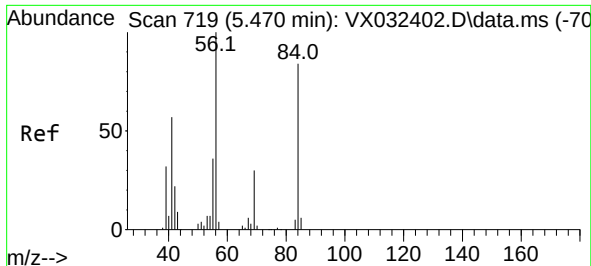
Tgt Ion: 41 Resp: 419  
 Ion Ratio Lower Upper  
 41 100  
 39 85.9 61.4 92.2  
 76 0.0 29.2 43.8#



#16  
 Acetone  
 Concen: 1.554 ug/l  
 RT: 2.386 min Scan# 213  
 Delta R.T. 0.006 min  
 Lab File: VX032608.D  
 Acq: 05 Nov 2022 06:19

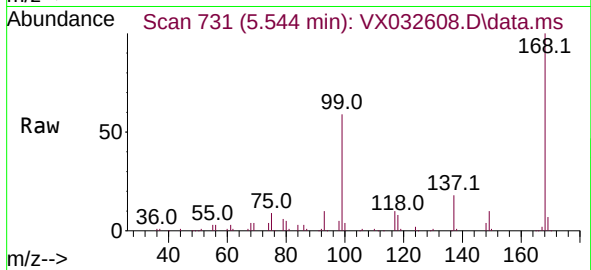
Tgt Ion: 43 Resp: 928  
 Ion Ratio Lower Upper  
 43 100  
 58 29.7 23.8 35.8



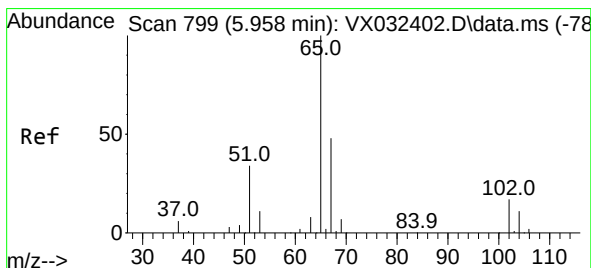
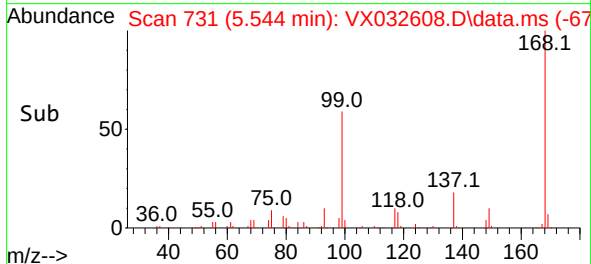
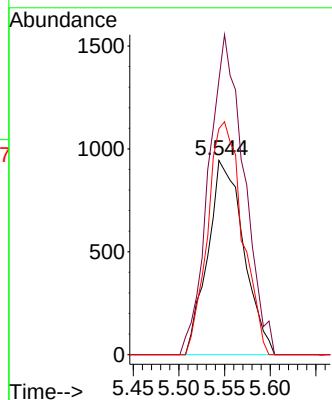


#31  
Cyclohexane  
Concen: 1.294 ug/l  
RT: 5.544 min Scan# 719  
Delta R.T. 0.073 min  
Lab File: VX032608.D  
Acq: 05 Nov 2022 06:19

Instrument :  
MSVOA\_X  
ClientSampleId :

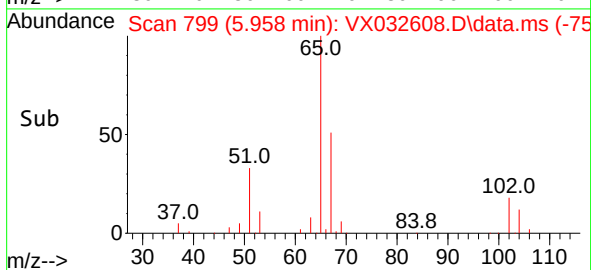
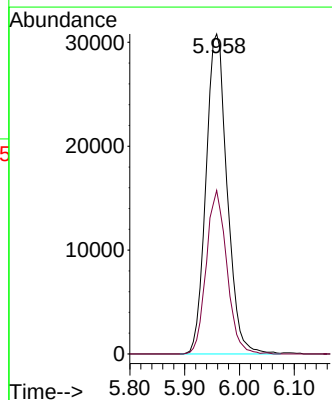
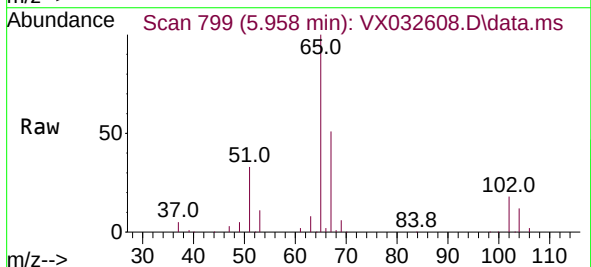


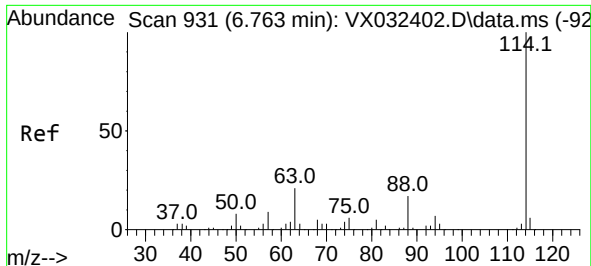
Tgt Ion: 56 Resp: 2578  
Ion Ratio Lower Upper  
56 100  
69 141.4 24.1 36.1#  
84 116.3 66.9 100.3#



#33  
1,2-Dichloroethane-d4  
Concen: 50.248 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. 0.000 min  
Lab File: VX032608.D  
Acq: 05 Nov 2022 06:19

Tgt Ion: 65 Resp: 82545  
Ion Ratio Lower Upper  
65 100  
67 49.6 0.0 101.8

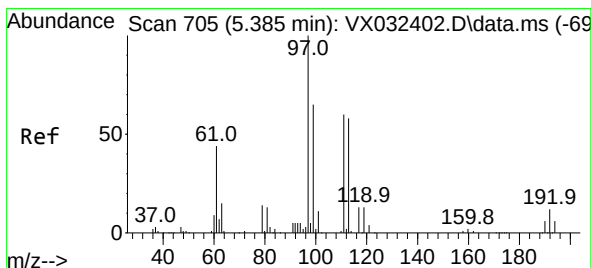
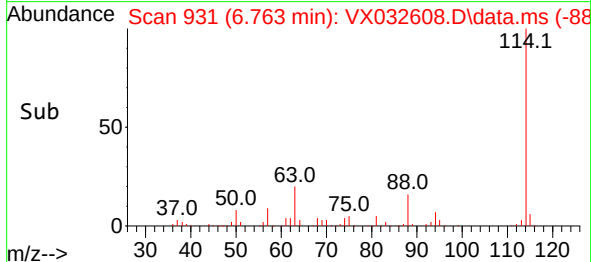
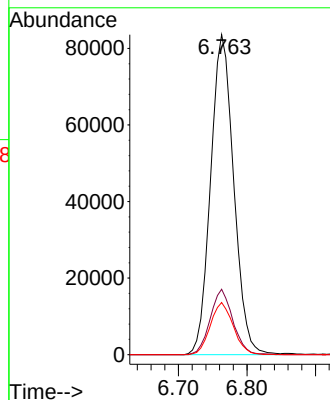
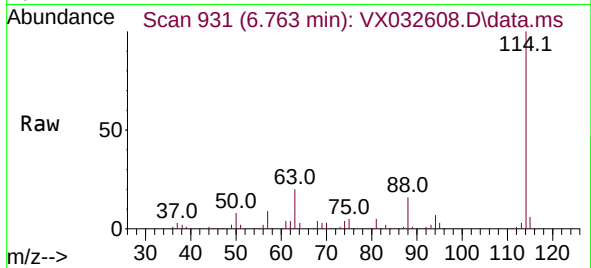




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.763 min Scan# 91  
 Delta R.T. 0.000 min  
 Lab File: VX032608.D  
 Acq: 05 Nov 2022 06:19

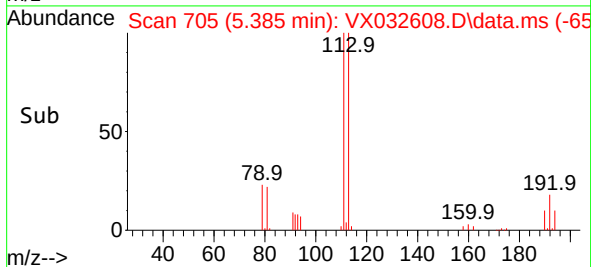
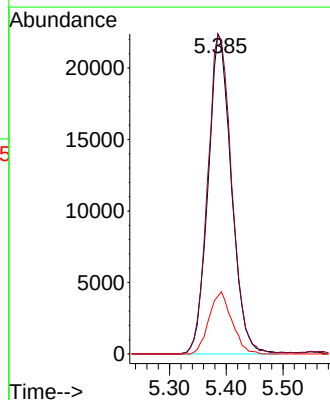
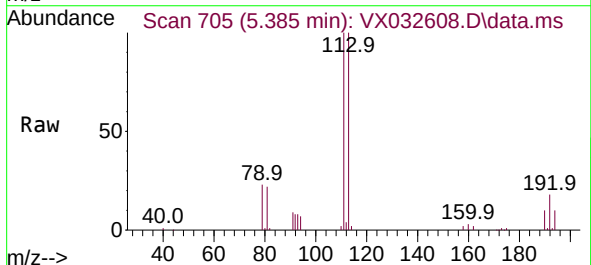
Instrument :  
 MSVOA\_X  
 ClientSampleId :

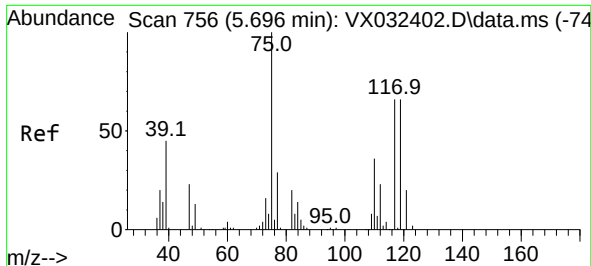
Tgt Ion:114 Resp: 195692  
 Ion Ratio Lower Upper  
 114 100  
 63 20.5 0.0 41.6  
 88 16.3 0.0 33.4



#35  
 Dibromofluoromethane  
 Concen: 45.676 ug/l  
 RT: 5.385 min Scan# 705  
 Delta R.T. 0.000 min  
 Lab File: VX032608.D  
 Acq: 05 Nov 2022 06:19

Tgt Ion:113 Resp: 63759  
 Ion Ratio Lower Upper  
 113 100  
 111 103.1 82.4 123.6  
 192 19.1 15.4 23.2





#36

1,1-Dichloropropene

Concen: 4.744 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.152 min

Lab File: VX032608.D

Acq: 05 Nov 2022 06:19

Instrument :

MSVOA\_X

ClientSampleId :

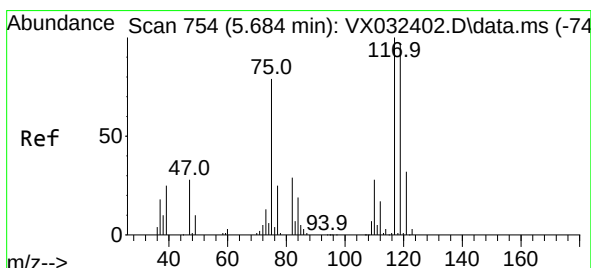
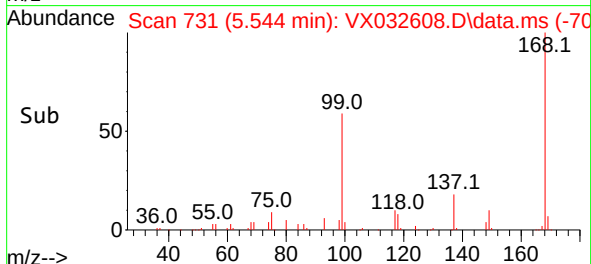
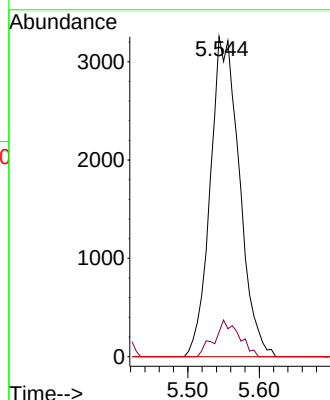
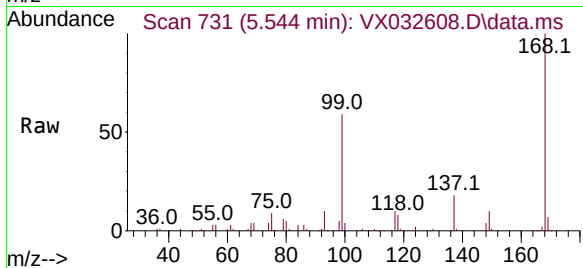
Tgt Ion: 75 Resp: 9221

Ion Ratio Lower Upper

75 100

110 9.7 18.4 55.2#

77 0.0 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 5.714 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.128 min

Lab File: VX032608.D

Acq: 05 Nov 2022 06:19

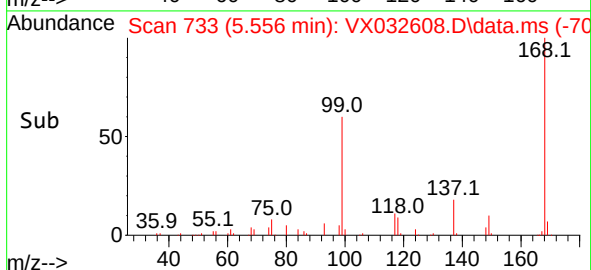
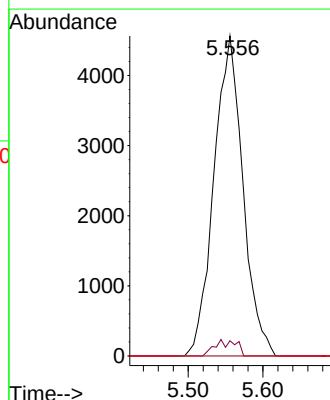
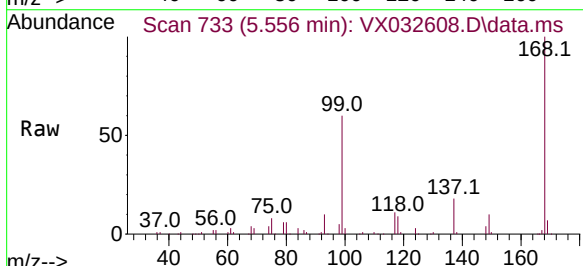
Tgt Ion: 117 Resp: 12319

Ion Ratio Lower Upper

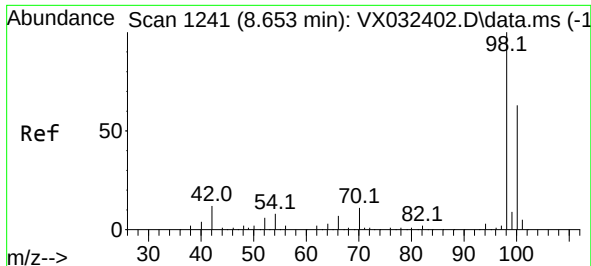
117 100

119 4.8 77.2 115.8#

121 0.0 25.8 38.6#



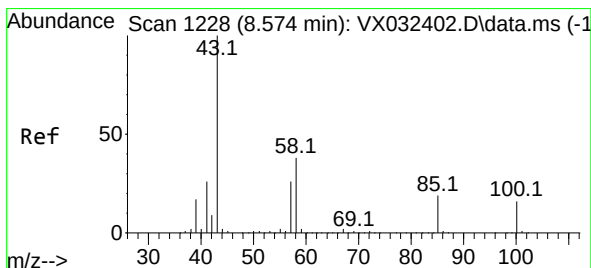
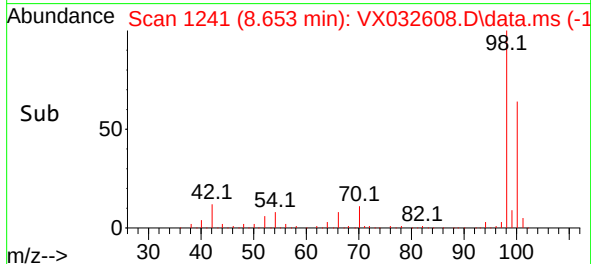
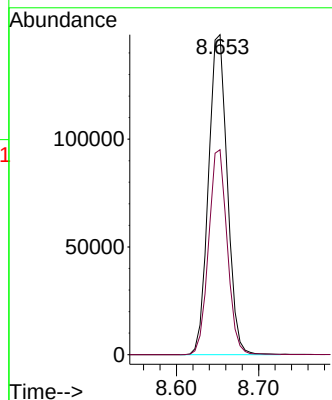
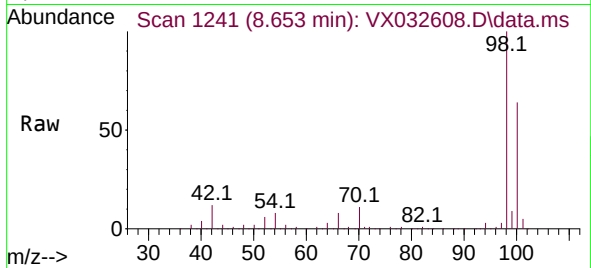




#50  
Toluene-d8  
Concen: 48.610 ug/l  
RT: 8.653 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX032608.D  
Acq: 05 Nov 2022 06:19

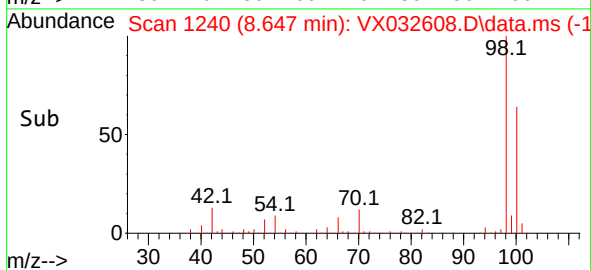
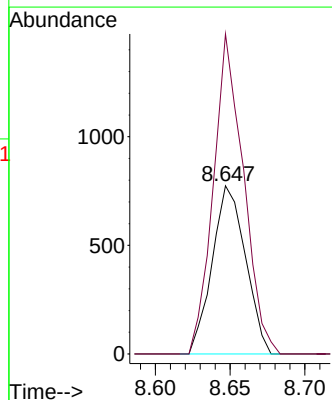
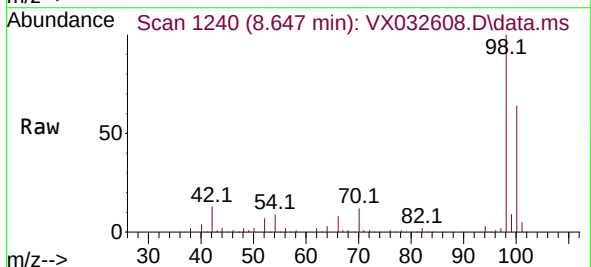
Instrument :  
MSVOA\_X  
ClientSampleId :

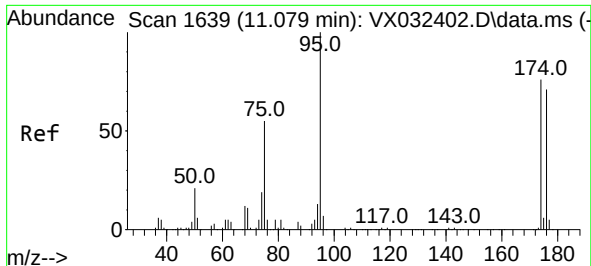
Tgt Ion: 98 Resp: 235943  
Ion Ratio Lower Upper  
98 100  
100 63.3 50.9 76.3



#51  
4-Methyl-2-Pentanone  
Concen: 0.613 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.073 min  
Lab File: VX032608.D  
Acq: 05 Nov 2022 06:19

Tgt Ion: 43 Resp: 1199  
Ion Ratio Lower Upper  
43 100  
58 172.0 30.9 46.3#

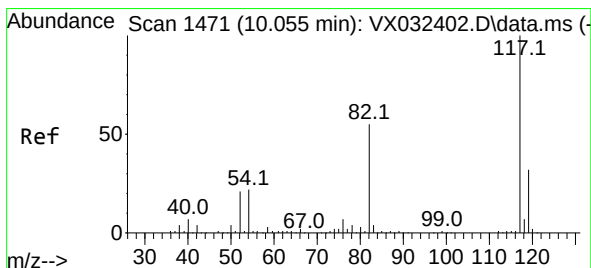
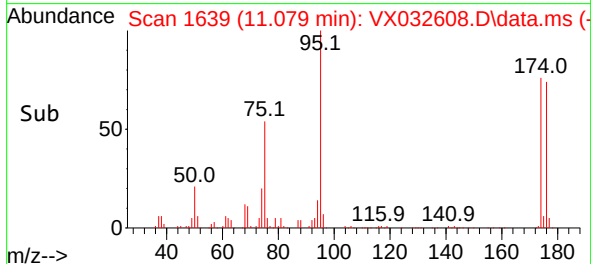
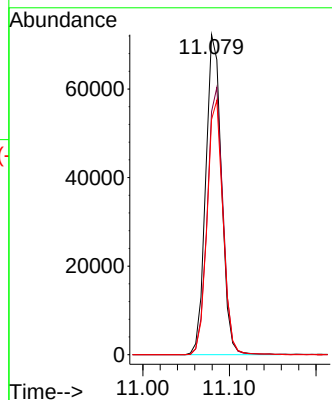
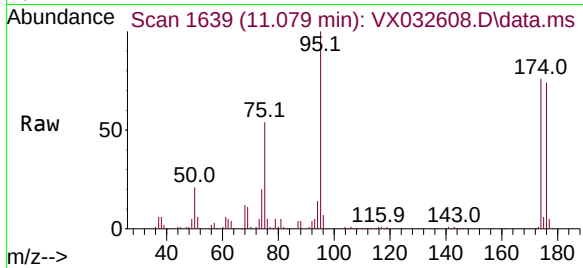




#62  
4-Bromofluorobenzene  
Concen: 48.140 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX032608.D  
Acq: 05 Nov 2022 06:19

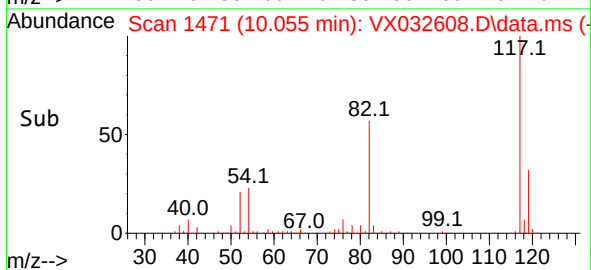
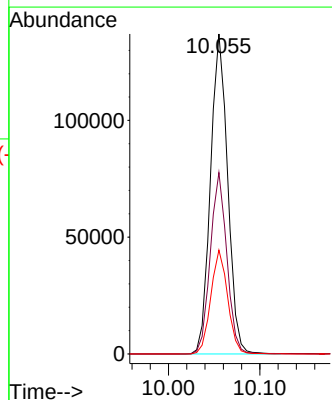
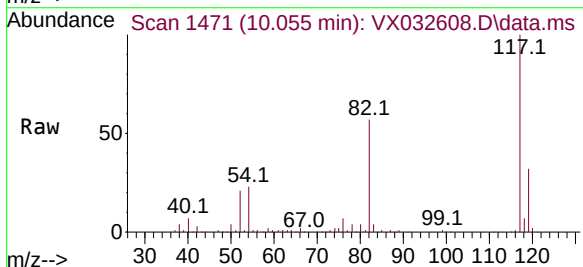
Instrument :  
MSVOA\_X  
ClientSampleId :

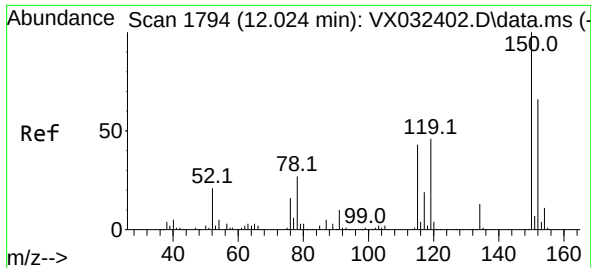
Tgt Ion: 95 Resp: 91274  
Ion Ratio Lower Upper  
95 100  
174 83.4 0.0 164.0  
176 80.2 0.0 154.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX032608.D  
Acq: 05 Nov 2022 06:19

Tgt Ion: 117 Resp: 178156  
Ion Ratio Lower Upper  
117 100  
82 56.7 44.3 66.5  
119 32.4 25.7 38.5

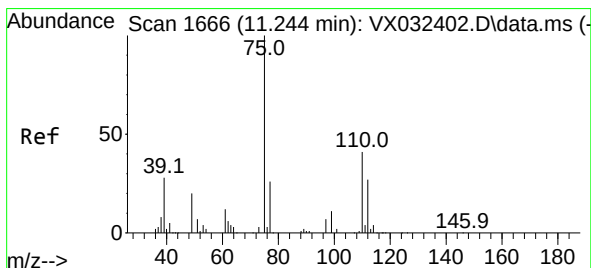
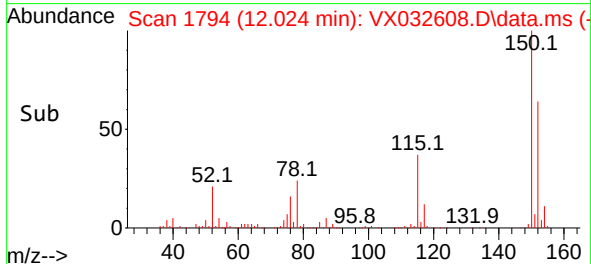
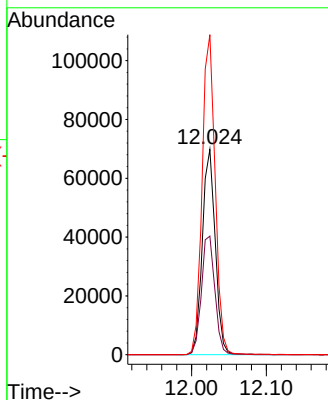
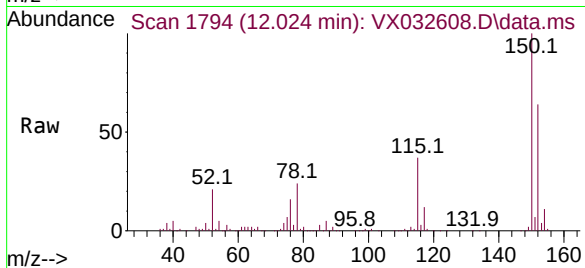




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VX032608.D  
 Acq: 05 Nov 2022 06:19

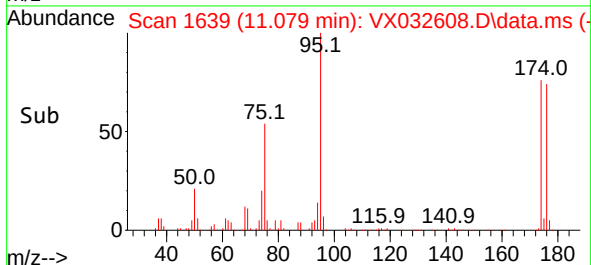
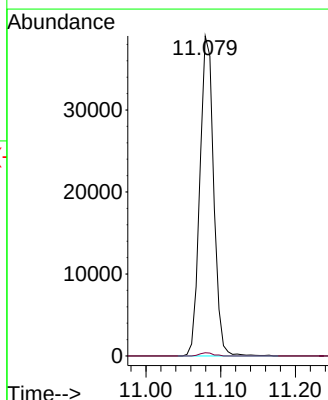
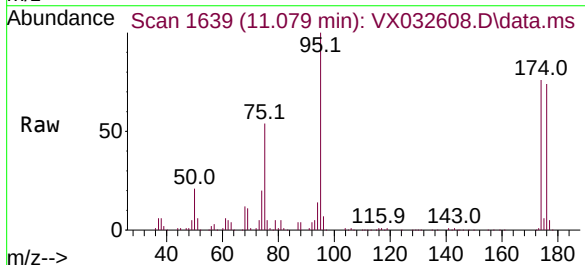
Instrument :  
 MSVOA\_X  
 ClientSampleId :

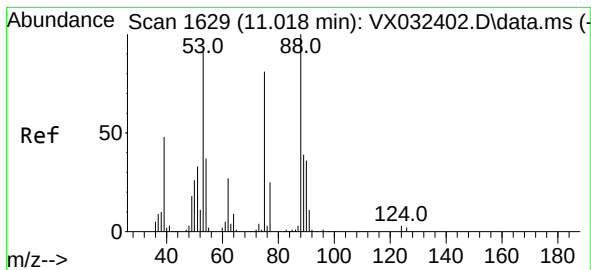
Tgt Ion:152 Resp: 83977  
 Ion Ratio Lower Upper  
 152 100  
 115 60.2 44.0 132.0  
 150 156.8 0.0 351.8



#76  
 1,2,3-Trichloropropane  
 Concen: 26.850 ug/l  
 RT: 11.079 min Scan# 1639  
 Delta R.T. -0.164 min  
 Lab File: VX032608.D  
 Acq: 05 Nov 2022 06:19

Tgt Ion: 75 Resp: 50164  
 Ion Ratio Lower Upper  
 75 100  
 77 1.0 20.0 60.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 85.438 ug/l  
 RT: 11.079 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX032608.D  
 Acq: 05 Nov 2022 06:19

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Tgt Ion: 75 Resp: 50164  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 86.9 130.3#  
 89 0.1 38.3 57.5#

