

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX040822\  
 Data File : VX028043.D  
 Acq On : 08 Apr 2022 21:23  
 Operator : JC/MD  
 Sample : N2334-14  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FB040522

Quant Time: Apr 11 01:20:46 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X040722W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 07 18:12:28 2022  
 Response via : Initial Calibration

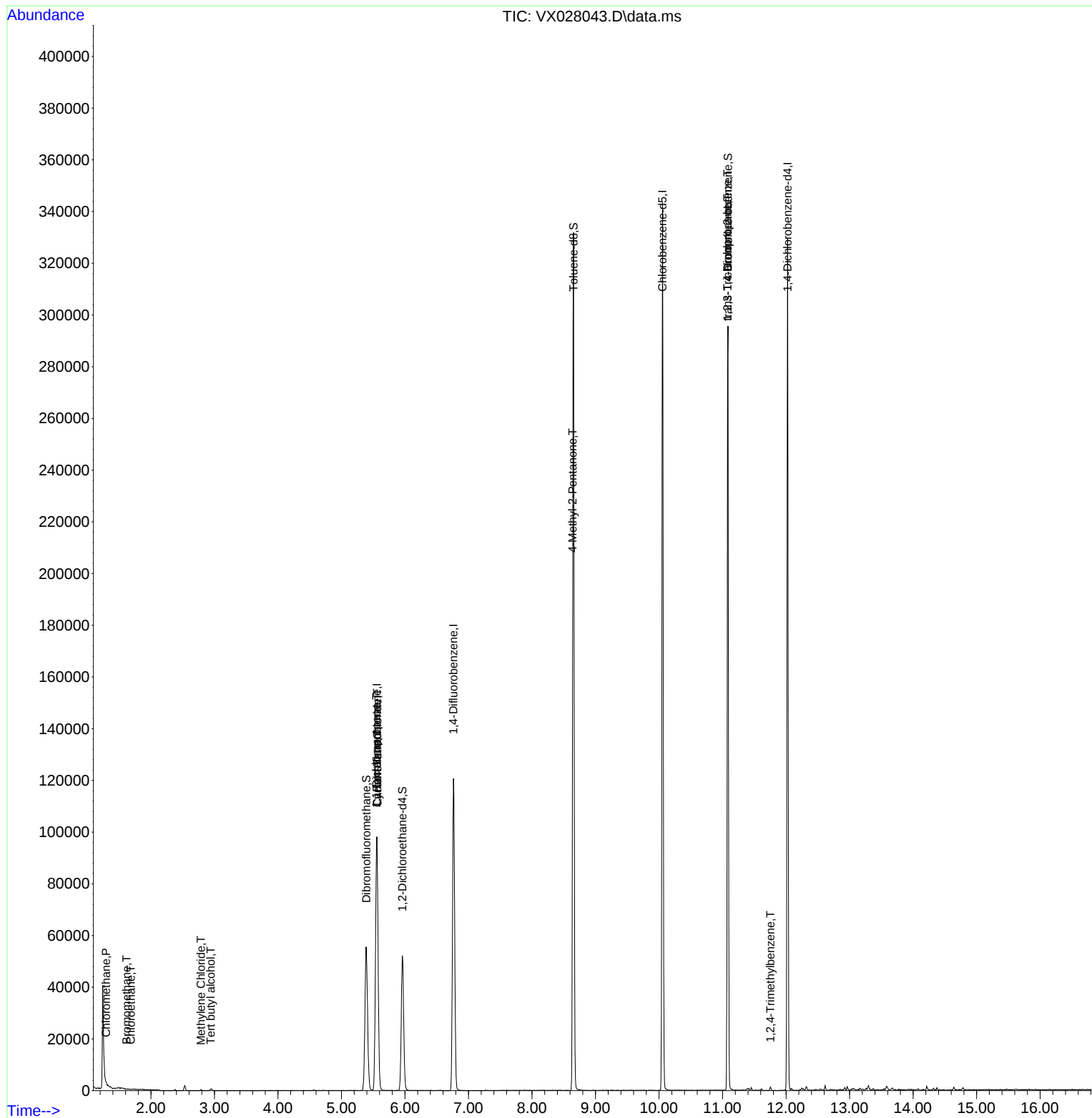
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 5.556  | 168   | 101279   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 132200   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 163935   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 71219    | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 50907    | 33.112    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 61 - 141 | Recovery  | =      | 66.220%  |
| 35) Dibromofluoromethane      | 5.391  | 113   | 48692    | 54.871    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 69 - 133 | Recovery  | =      | 109.740% |
| 50) Toluene-d8                | 8.653  | 98    | 195958   | 61.889    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 65 - 126 | Recovery  | =      | 123.780% |
| 62) 4-Bromofluorobenzene      | 11.085 | 95    | 83093    | 61.734    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 135 | Recovery  | =      | 123.460% |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 3) Chloromethane              | 1.294  | 50    | 190      | 1.625     | ug/l # | 42       |
| 5) Bromomethane               | 1.618  | 94    | 23       | 0.743     | ug/l # | 3        |
| 6) Chloroethane               | 1.685  | 64    | 202      | 1.834     | ug/l # | 43       |
| 11) Tert butyl alcohol        | 2.940  | 59    | 473      | 1.746     | ug/l # | 72       |
| 16) Acetone                   | 2.380  | 43    | 586      | Below Cal | #      | 66       |
| 20) Methylene Chloride        | 2.788  | 84    | 241      | 2.528     | ug/l # | 56       |
| 31) Cyclohexane               | 5.562  | 56    | 1537     | 0.825     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.550  | 75    | 6007     | 4.604     | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 5.562  | 117   | 9501     | 6.727     | ug/l # | 16       |
| 51) 4-Methyl-2-Pentanone      | 8.641  | 43    | 612      | 0.406     | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 39568    | 22.649    | ug/l # | 38       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 39568    | 70.860    | ug/l # | 15       |
| 84) 1,2,4-Trimethylbenzene    | 11.756 | 105   | 960      | 0.202     | ug/l   | 91       |
| -----                         |        |       |          |           |        |          |

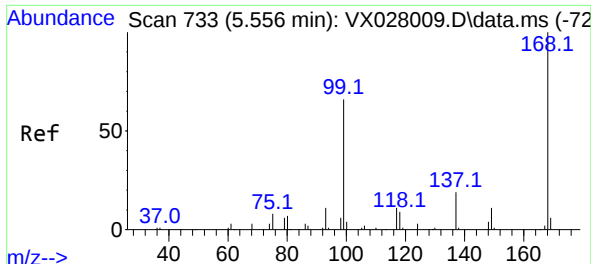
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX040822\  
Data File : VX028043.D  
Acq On : 08 Apr 2022 21:23  
Operator : JC/MD  
Sample : N2334-14  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
FB040522

Quant Time: Apr 11 01:20:46 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X040722W.M  
Quant Title : SW846 8260  
QLast Update : Thu Apr 07 18:12:28 2022  
Response via : Initial Calibration

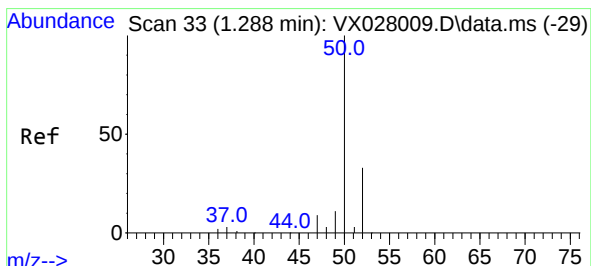
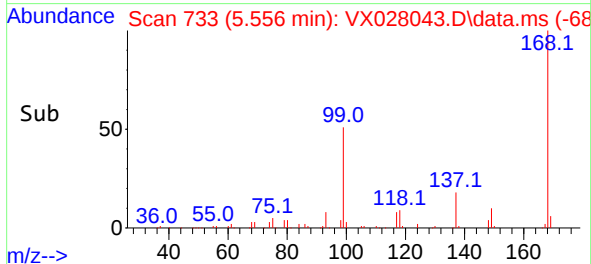
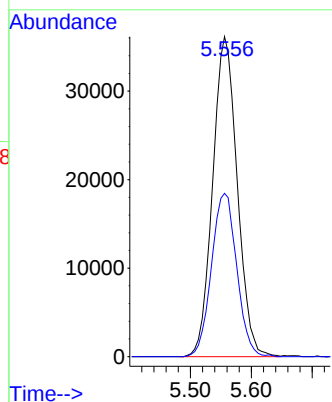
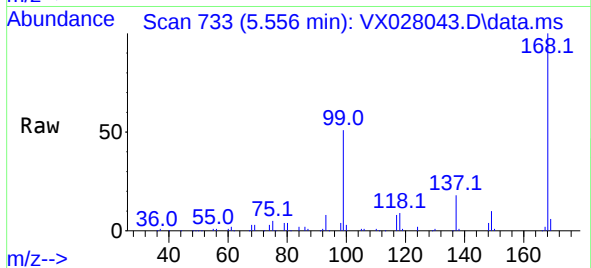




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX028043.D  
Acq: 08 Apr 2022 21:23

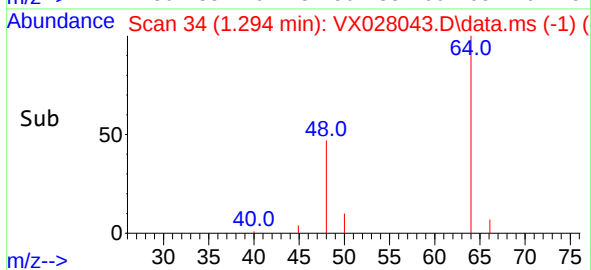
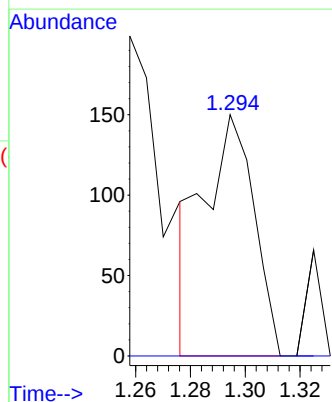
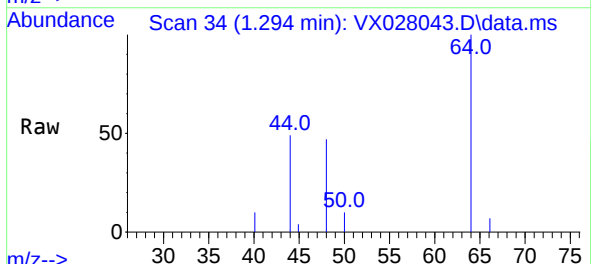
Instrument :  
MSVOA\_X  
ClientSampleId :  
FB040522

Tgt Ion:168 Resp: 101279  
Ion Ratio Lower Upper  
168 100  
99 51.1 41.7 62.5

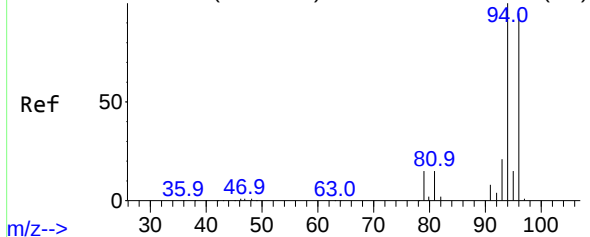


#3  
Chloromethane  
Concen: 1.625 ug/l  
RT: 1.294 min Scan# 34  
Delta R.T. 0.006 min  
Lab File: VX028043.D  
Acq: 08 Apr 2022 21:23

Tgt Ion: 50 Resp: 190  
Ion Ratio Lower Upper  
50 100  
52 0.0 26.4 39.6#



Abundance Scan 84 (1.599 min): VX028009.D\data.ms (-79)



#5

Bromomethane

Concen: 0.743 ug/l

RT: 1.618 min Scan# 81

Delta R.T. 0.019 min

Lab File: VX028043.D

Acq: 08 Apr 2022 21:23

Instrument :

MSVOA\_X

ClientSampleId :

FB040522

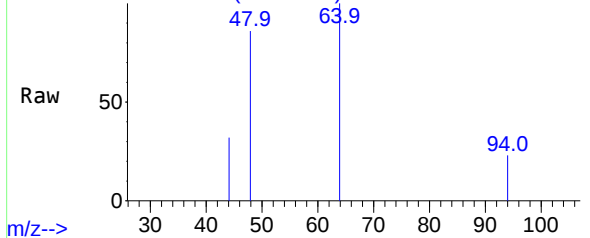
Tgt Ion: 94 Resp: 23

Ion Ratio Lower Upper

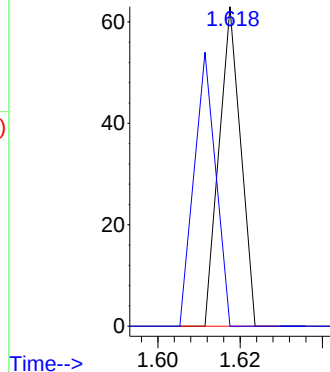
94 100

96 0.0 75.3 112.9#

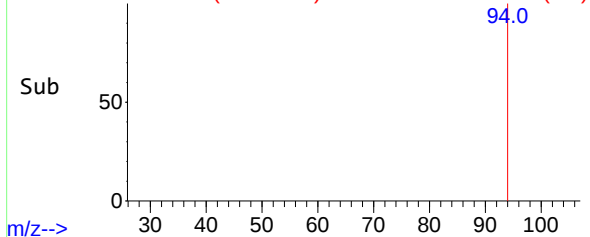
Abundance Scan 87 (1.618 min): VX028043.D\data.ms



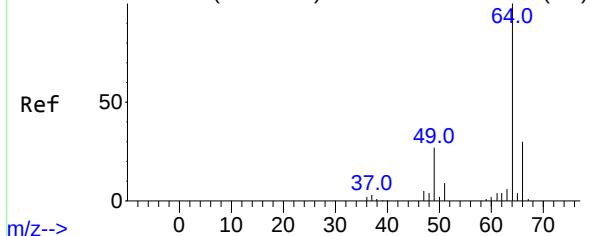
Abundance



Abundance Scan 87 (1.618 min): VX028043.D\data.ms (-35)



Abundance Scan 97 (1.679 min): VX028009.D\data.ms (-92)



#6

Chloroethane

Concen: 1.834 ug/l

RT: 1.685 min Scan# 98

Delta R.T. 0.006 min

Lab File: VX028043.D

Acq: 08 Apr 2022 21:23

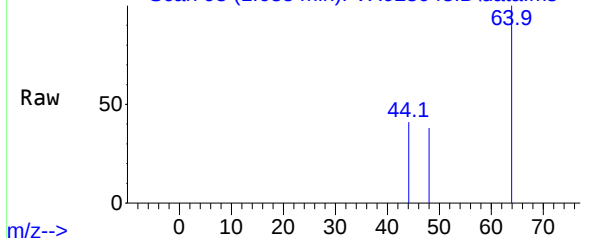
Tgt Ion: 64 Resp: 202

Ion Ratio Lower Upper

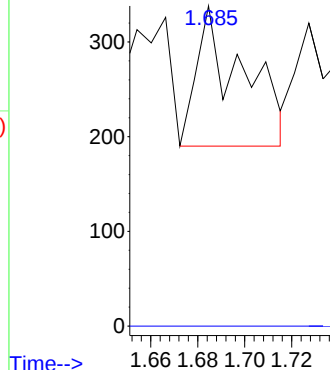
64 100

66 0.0 25.3 37.9#

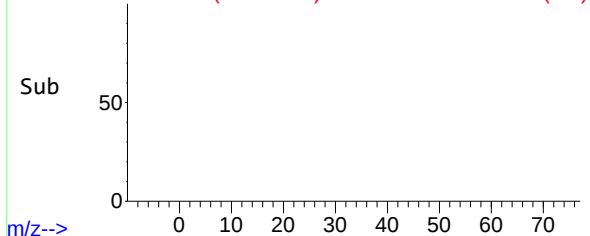
Abundance Scan 98 (1.685 min): VX028043.D\data.ms

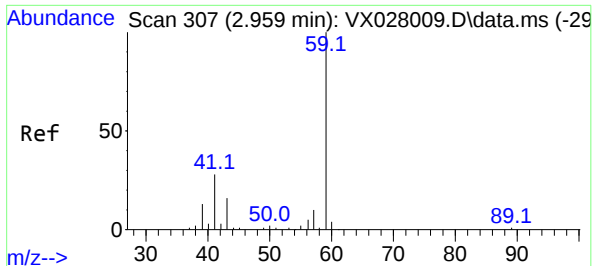


Abundance



Abundance Scan 98 (1.685 min): VX028043.D\data.ms (-48)





#11

Tert butyl alcohol

Concen: 1.746 ug/l

RT: 2.940 min Scan# 307

Delta R.T. -0.019 min

Lab File: VX028043.D

Acq: 08 Apr 2022 21:23

Instrument :

MSVOA\_X

ClientSampleId :

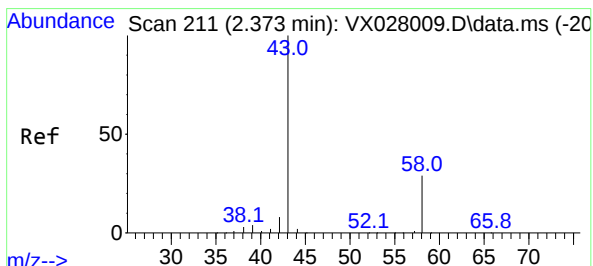
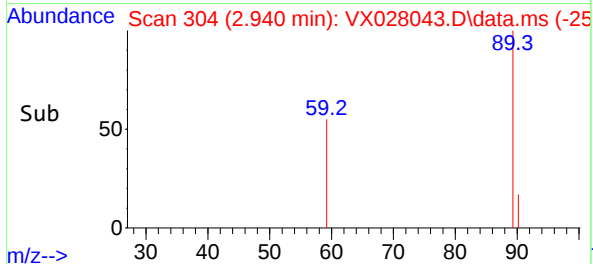
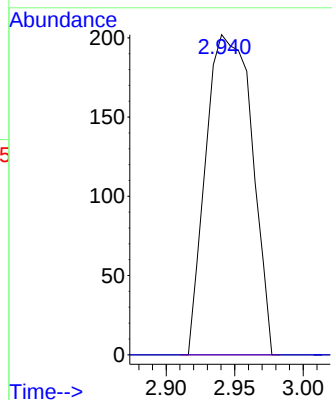
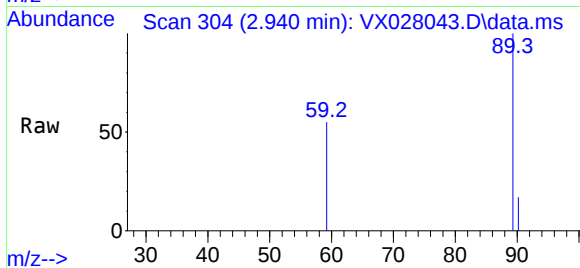
FB040522

Tgt Ion: 59 Resp: 473

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: Below Cal

RT: 2.380 min Scan# 212

Delta R.T. 0.007 min

Lab File: VX028043.D

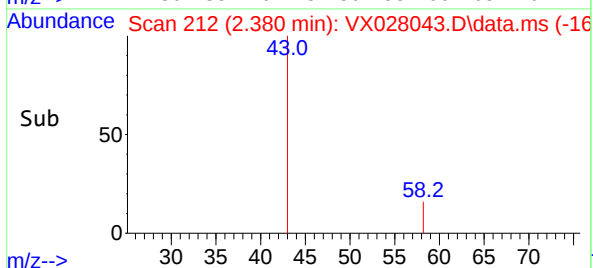
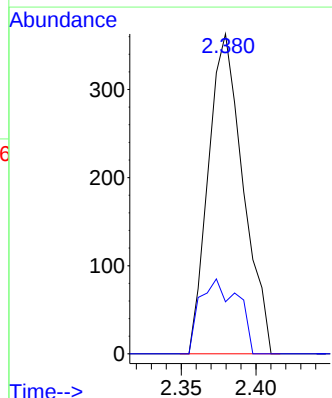
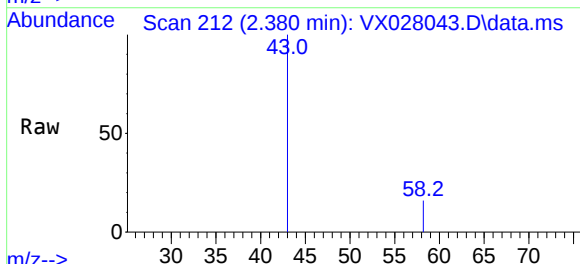
Acq: 08 Apr 2022 21:23

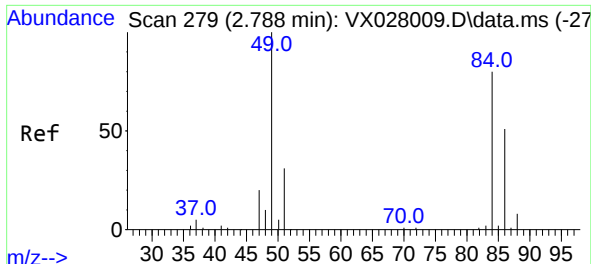
Tgt Ion: 43 Resp: 586

Ion Ratio Lower Upper

43 100

58 16.3 28.8 43.2#



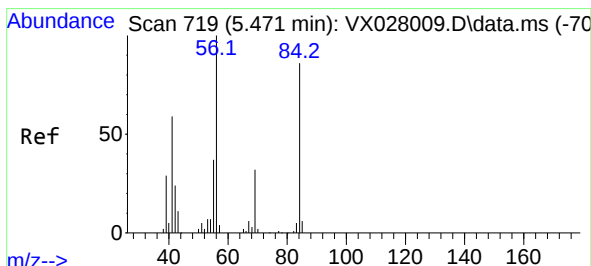
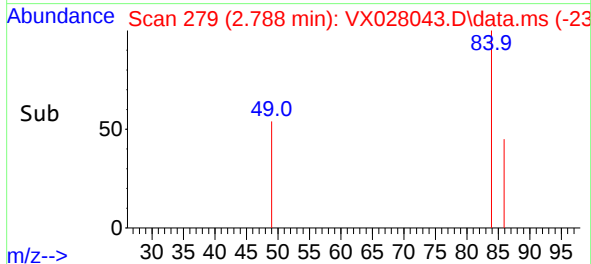
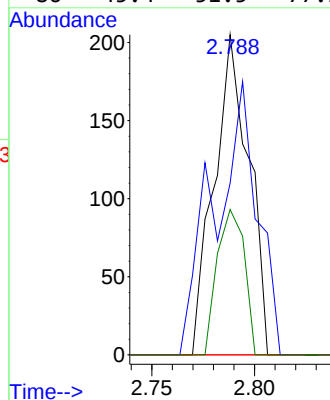
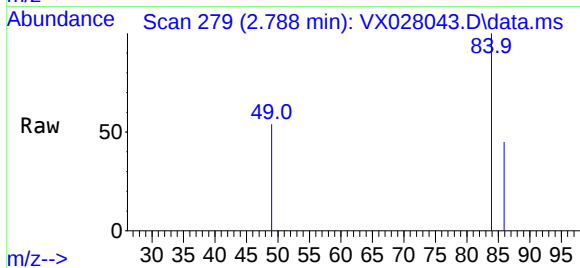


#20  
Methylene Chloride  
Concen: 2.528 ug/l  
RT: 2.788 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VX028043.D  
Acq: 08 Apr 2022 21:23

Instrument :  
MSVOA\_X  
ClientSampleId :  
FB040522

Tgt Ion: 84 Resp: 241

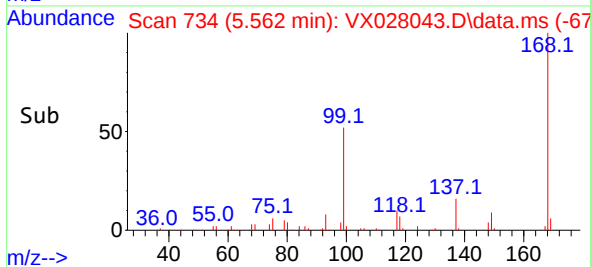
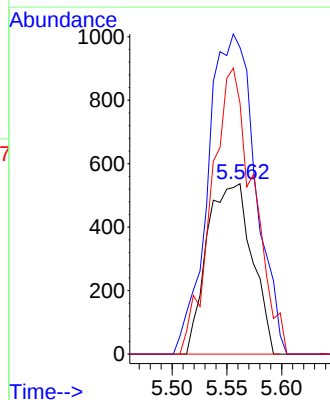
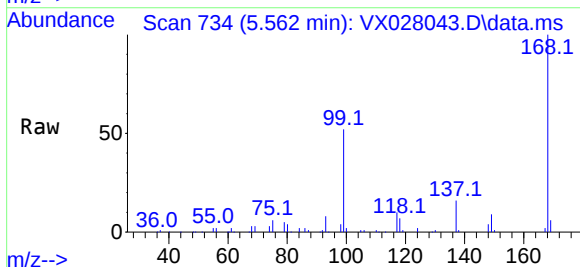
| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 84  | 100   |       |        |
| 49  | 53.7  | 85.5  | 128.3# |
| 51  | 0.0   | 26.6  | 39.8#  |
| 86  | 45.4  | 51.5  | 77.3#  |

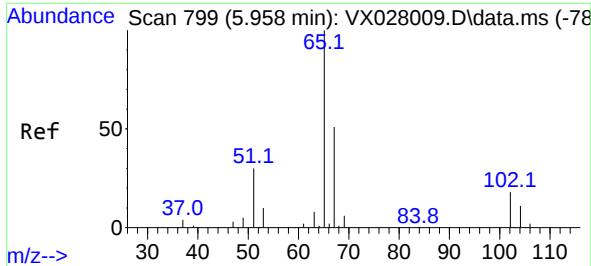


#31  
Cyclohexane  
Concen: 0.825 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. 0.091 min  
Lab File: VX028043.D  
Acq: 08 Apr 2022 21:23

Tgt Ion: 56 Resp: 1537

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 56  | 100   |       |        |
| 69  | 169.5 | 26.7  | 40.1#  |
| 84  | 147.1 | 77.2  | 115.8# |

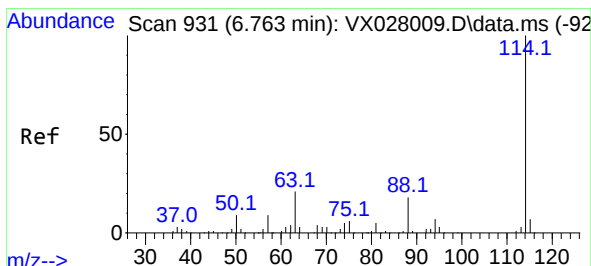
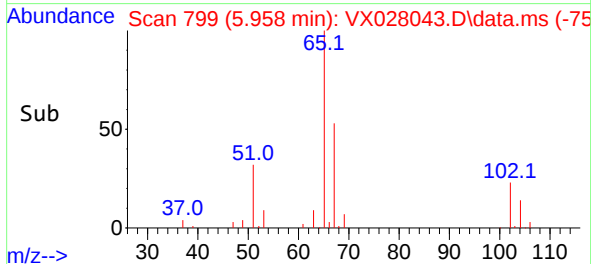
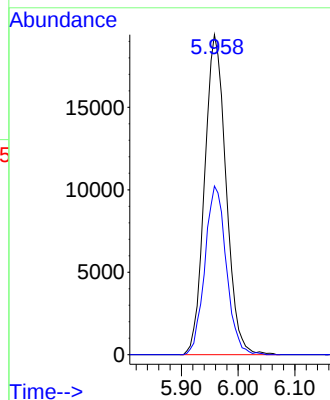
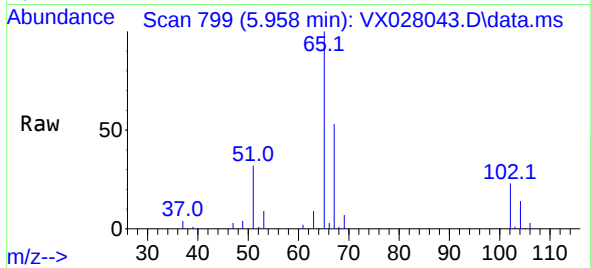




#33  
 1,2-Dichloroethane-d4  
 Concen: 33.112 ug/l  
 RT: 5.958 min Scan# 799  
 Delta R.T. 0.000 min  
 Lab File: VX028043.D  
 Acq: 08 Apr 2022 21:23

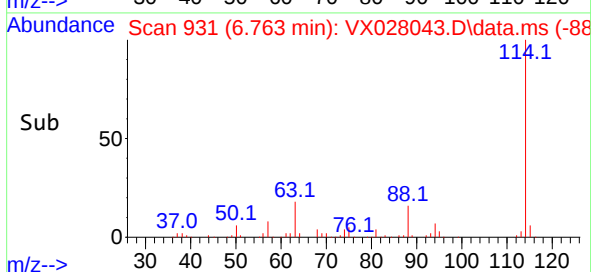
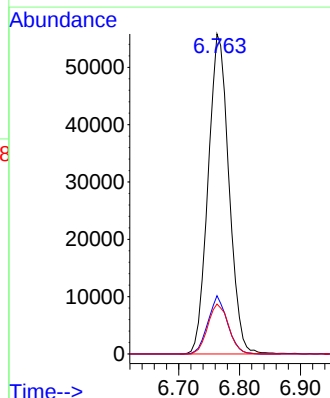
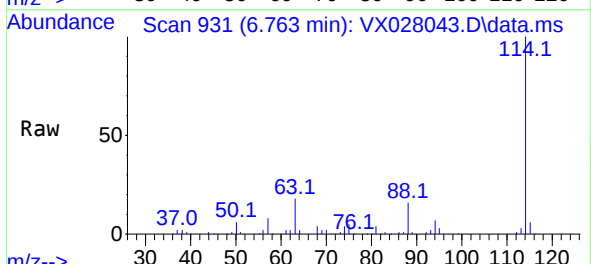
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FB040522

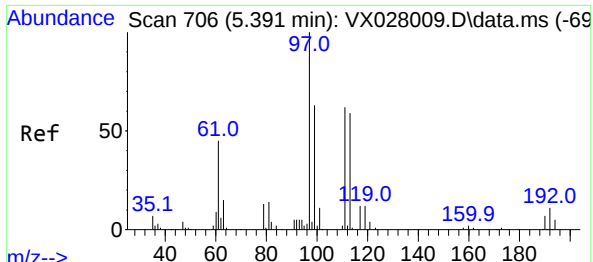
Tgt Ion: 65 Resp: 50907  
 Ion Ratio Lower Upper  
 65 100  
 67 52.8 0.0 107.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.763 min Scan# 931  
 Delta R.T. -0.000 min  
 Lab File: VX028043.D  
 Acq: 08 Apr 2022 21:23

Tgt Ion: 114 Resp: 132200  
 Ion Ratio Lower Upper  
 114 100  
 63 18.2 0.0 36.8  
 88 15.6 0.0 32.4

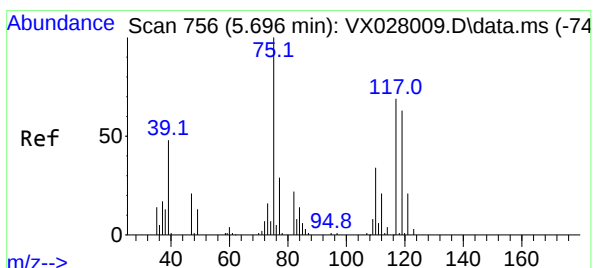
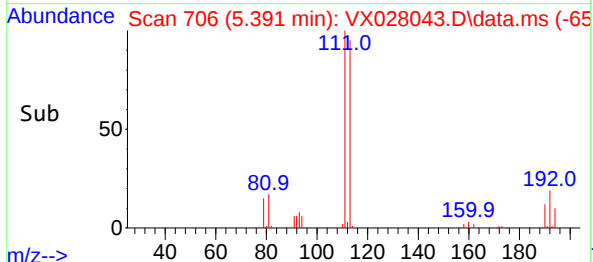
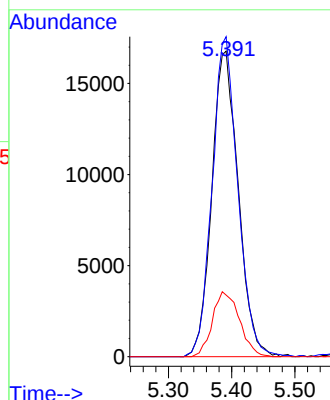
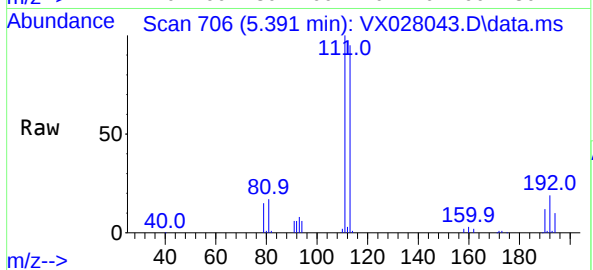




#35  
Dibromofluoromethane  
Concen: 54.871 ug/l  
RT: 5.391 min Scan# 706  
Delta R.T. 0.000 min  
Lab File: VX028043.D  
Acq: 08 Apr 2022 21:23

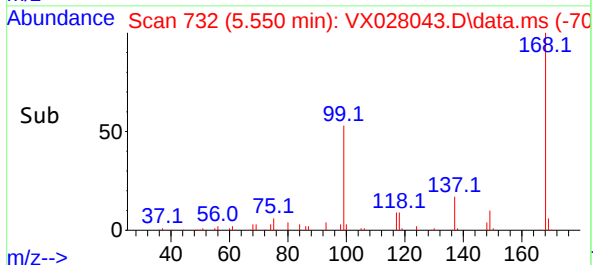
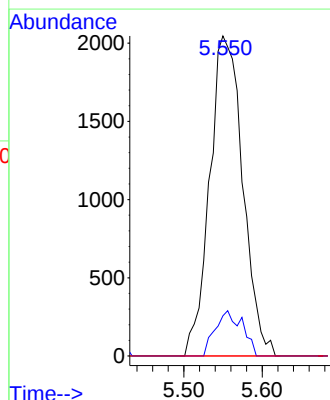
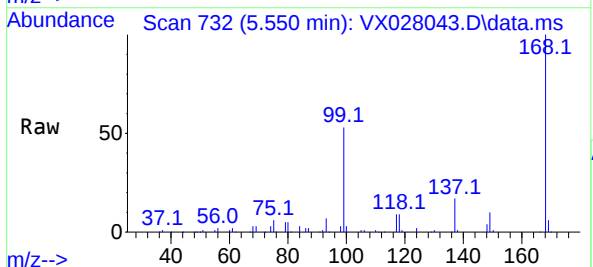
Instrument :  
MSVOA\_X  
ClientSampleId :  
FB040522

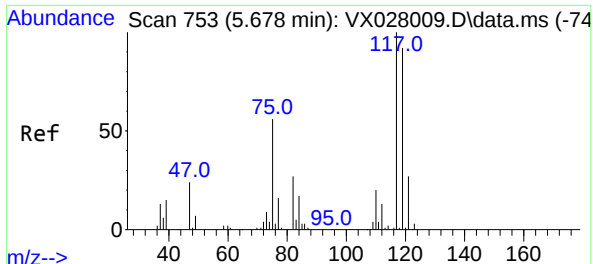
Tgt Ion:113 Resp: 48692  
Ion Ratio Lower Upper  
113 100  
111 101.7 82.8 124.2  
192 21.7 16.9 25.3



#36  
1,1-Dichloropropene  
Concen: 4.604 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.146 min  
Lab File: VX028043.D  
Acq: 08 Apr 2022 21:23

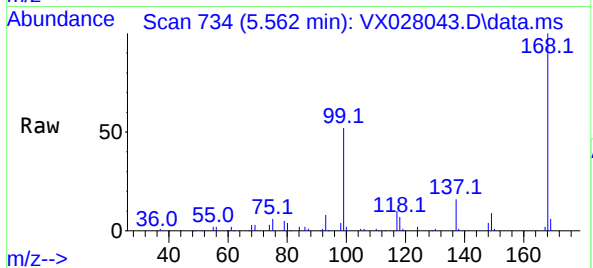
Tgt Ion: 75 Resp: 6007  
Ion Ratio Lower Upper  
75 100  
110 11.6 18.3 54.8#  
77 0.0 24.8 37.2#



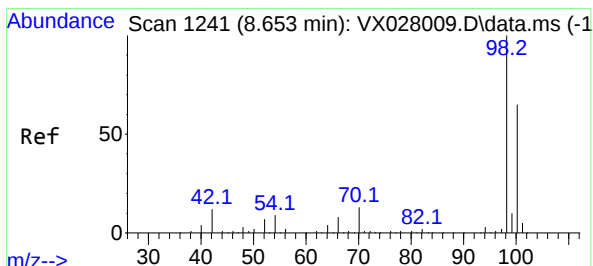
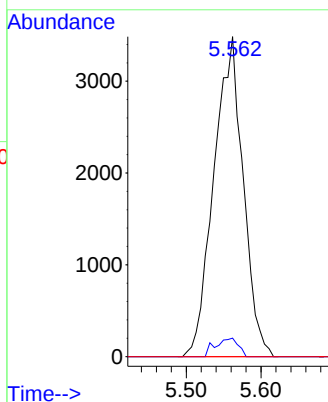
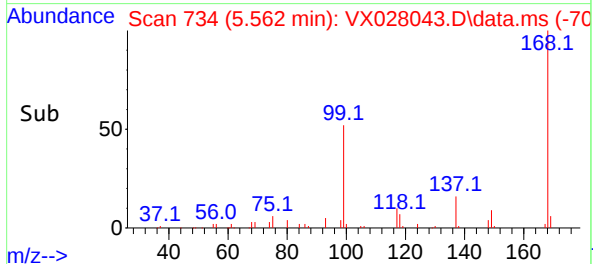


#38  
Carbon Tetrachloride  
Concen: 6.727 ug/l  
RT: 5.562 min Scan# 71  
Delta R.T. -0.116 min  
Lab File: VX028043.D  
Acq: 08 Apr 2022 21:23

Instrument :  
MSVOA\_X  
ClientSampleId :  
FB040522

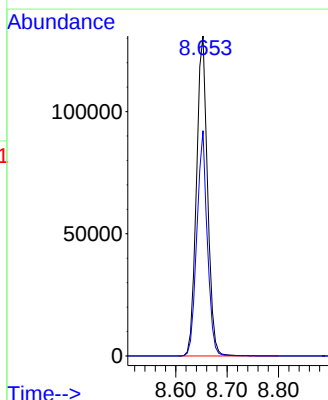
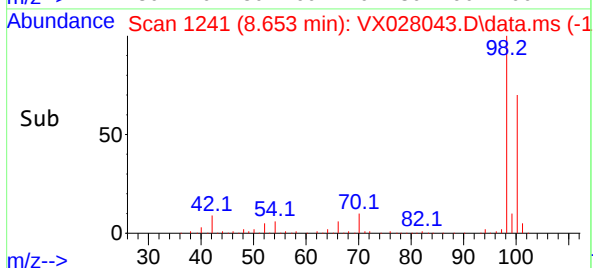
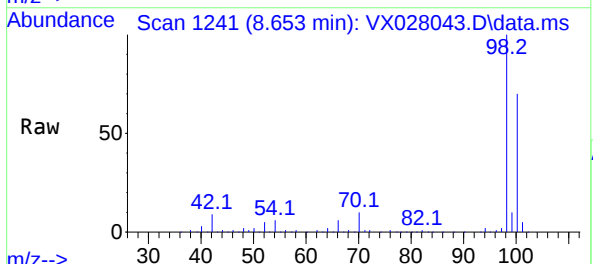


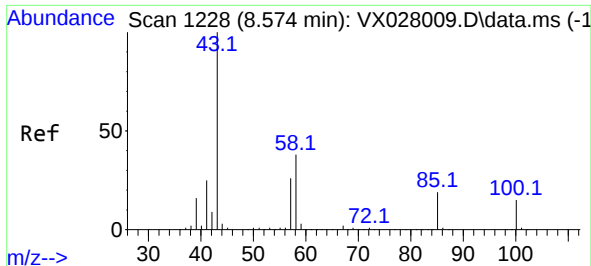
Tgt Ion:117 Resp: 9501  
Ion Ratio Lower Upper  
117 100  
119 5.8 77.3 115.9#  
121 0.0 24.2 36.2#



#50  
Toluene-d8  
Concen: 61.889 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX028043.D  
Acq: 08 Apr 2022 21:23

Tgt Ion: 98 Resp: 195958  
Ion Ratio Lower Upper  
98 100  
100 66.4 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 0.406 ug/l

RT: 8.641 min Scan# 11

Delta R.T. 0.067 min

Lab File: VX028043.D

Acq: 08 Apr 2022 21:23

Instrument :

MSVOA\_X

ClientSampleId :

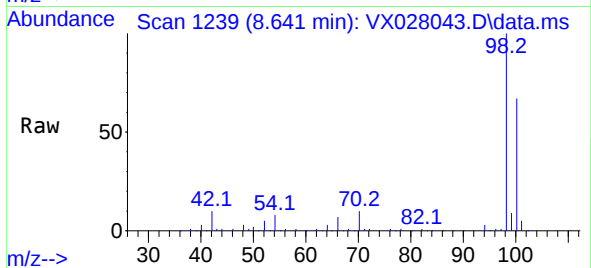
FB040522

Tgt Ion: 43 Resp: 612

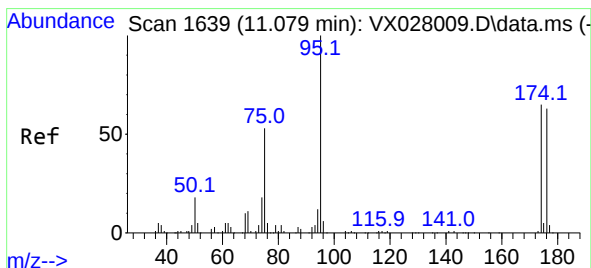
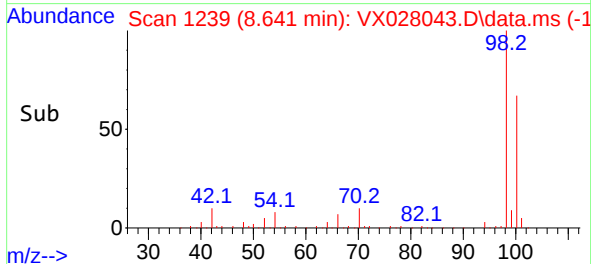
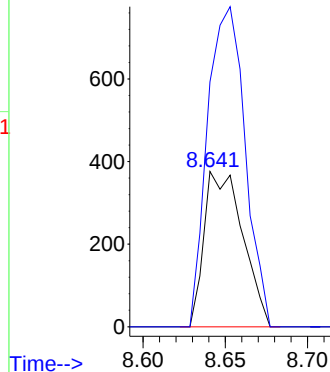
Ion Ratio Lower Upper

43 100

58 201.1 36.1 54.1#



Abundance



#62

4-Bromofluorobenzene

Concen: 61.734 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.006 min

Lab File: VX028043.D

Acq: 08 Apr 2022 21:23

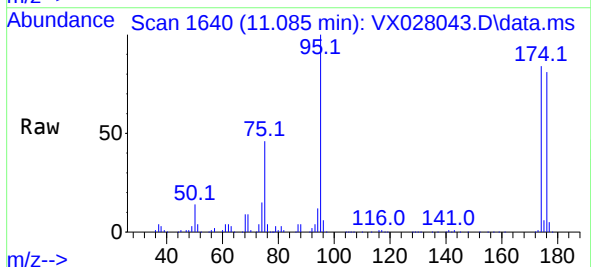
Tgt Ion: 95 Resp: 83093

Ion Ratio Lower Upper

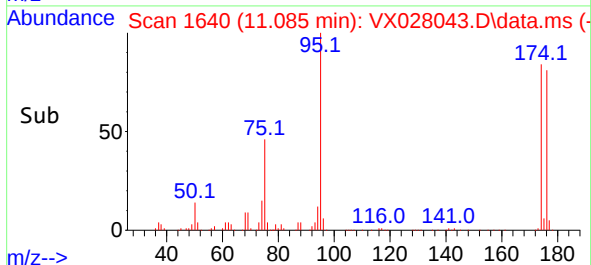
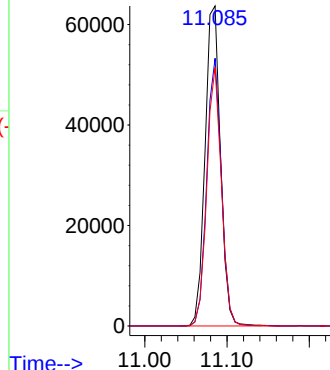
95 100

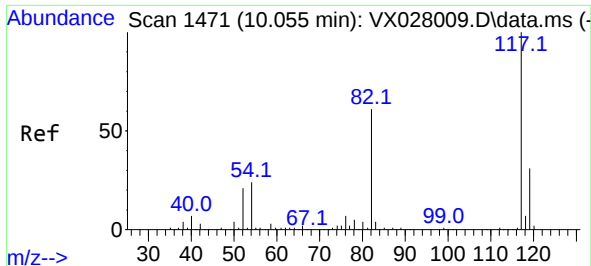
174 79.6 0.0 163.0

176 76.3 0.0 155.0



Abundance

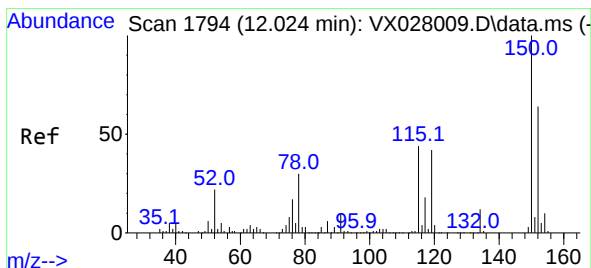
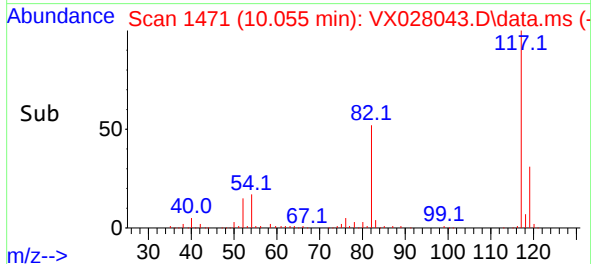
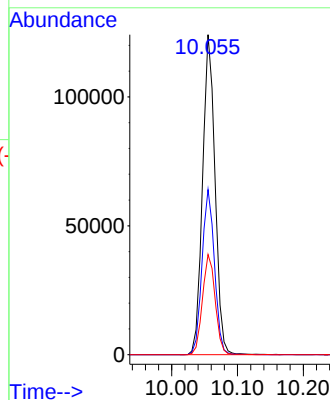
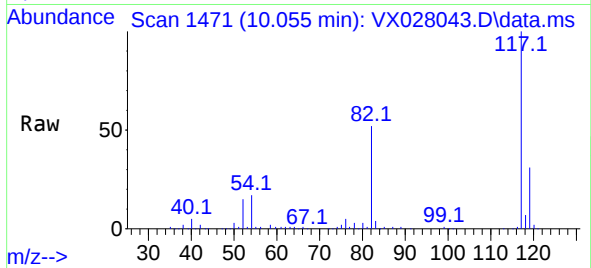




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX028043.D  
Acq: 08 Apr 2022 21:23

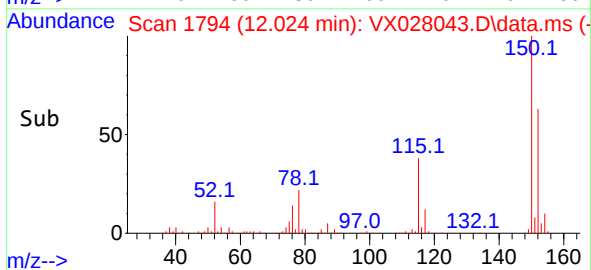
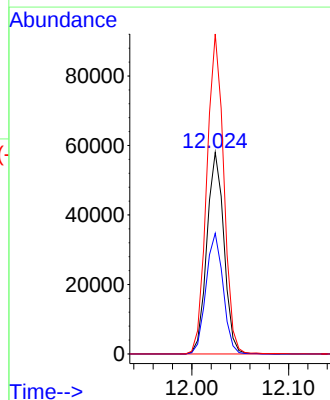
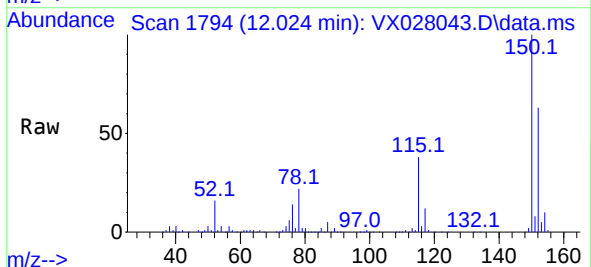
Instrument :  
MSVOA\_X  
ClientSampleId :  
FB040522

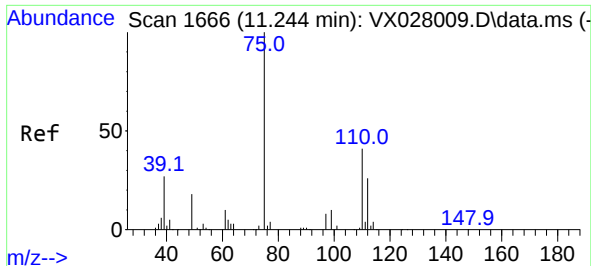
Tgt Ion:117 Resp: 163935  
Ion Ratio Lower Upper  
117 100  
82 51.6 41.8 62.8  
119 31.3 24.8 37.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX028043.D  
Acq: 08 Apr 2022 21:23

Tgt Ion:152 Resp: 71219  
Ion Ratio Lower Upper  
152 100  
115 60.0 37.5 112.7  
150 158.1 0.0 338.2

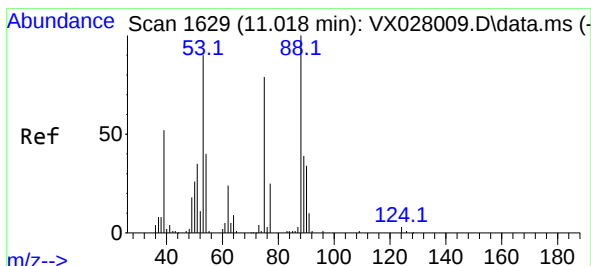
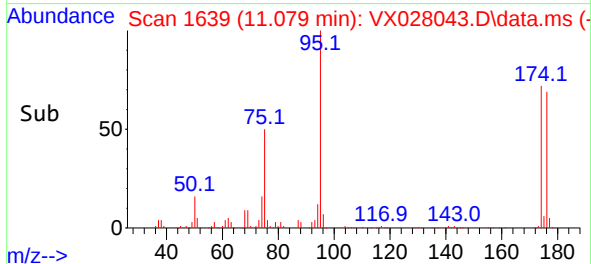
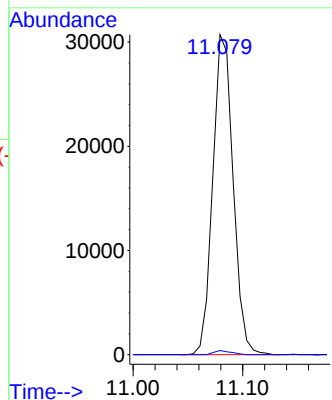
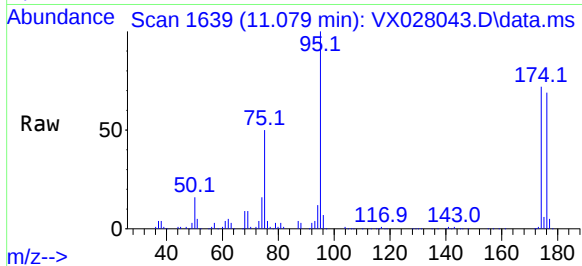




#76  
1,2,3-Trichloropropane  
Concen: 22.649 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.165 min  
Lab File: VX028043.D  
Acq: 08 Apr 2022 21:23

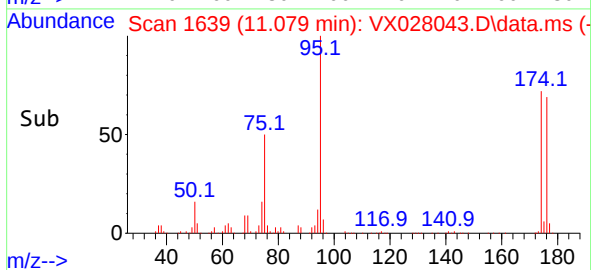
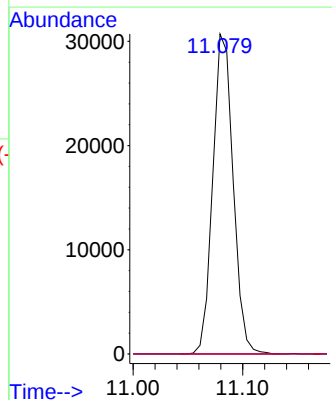
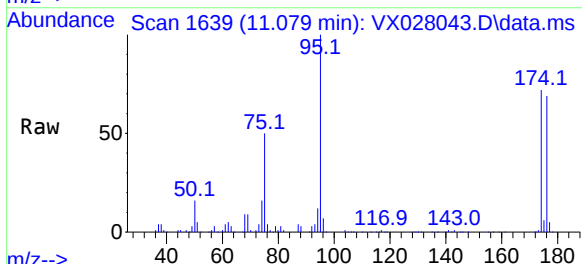
Instrument :  
MSVOA\_X  
ClientSampleId :  
FB040522

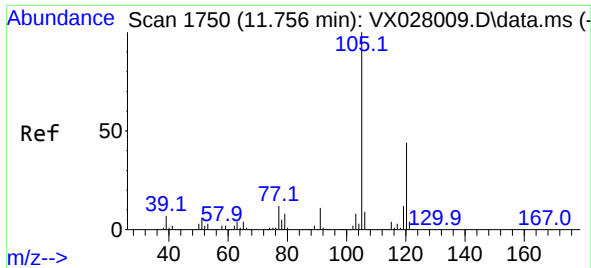
Tgt Ion: 75 Resp: 39568  
Ion Ratio Lower Upper  
75 100  
77 1.1 19.4 58.2#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 70.860 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX028043.D  
Acq: 08 Apr 2022 21:23

Tgt Ion: 75 Resp: 39568  
Ion Ratio Lower Upper  
75 100  
53 0.0 69.0 103.4#  
89 0.0 37.0 55.6#





#84  
 1,2,4-Trimethylbenzene  
 Concen: 0.202 ug/l  
 RT: 11.756 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: VX028043.D  
 Acq: 08 Apr 2022 21:23

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FB040522

Tgt Ion:105 Resp: 960  
 Ion Ratio Lower Upper  
 105 100  
 120 39.3 22.6 67.8

