

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX111522\  
 Data File : VX032828.D  
 Acq On : 15 Nov 2022 17:21  
 Operator : JC/MD  
 Sample : N5614-03  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Nov 16 03:34:53 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

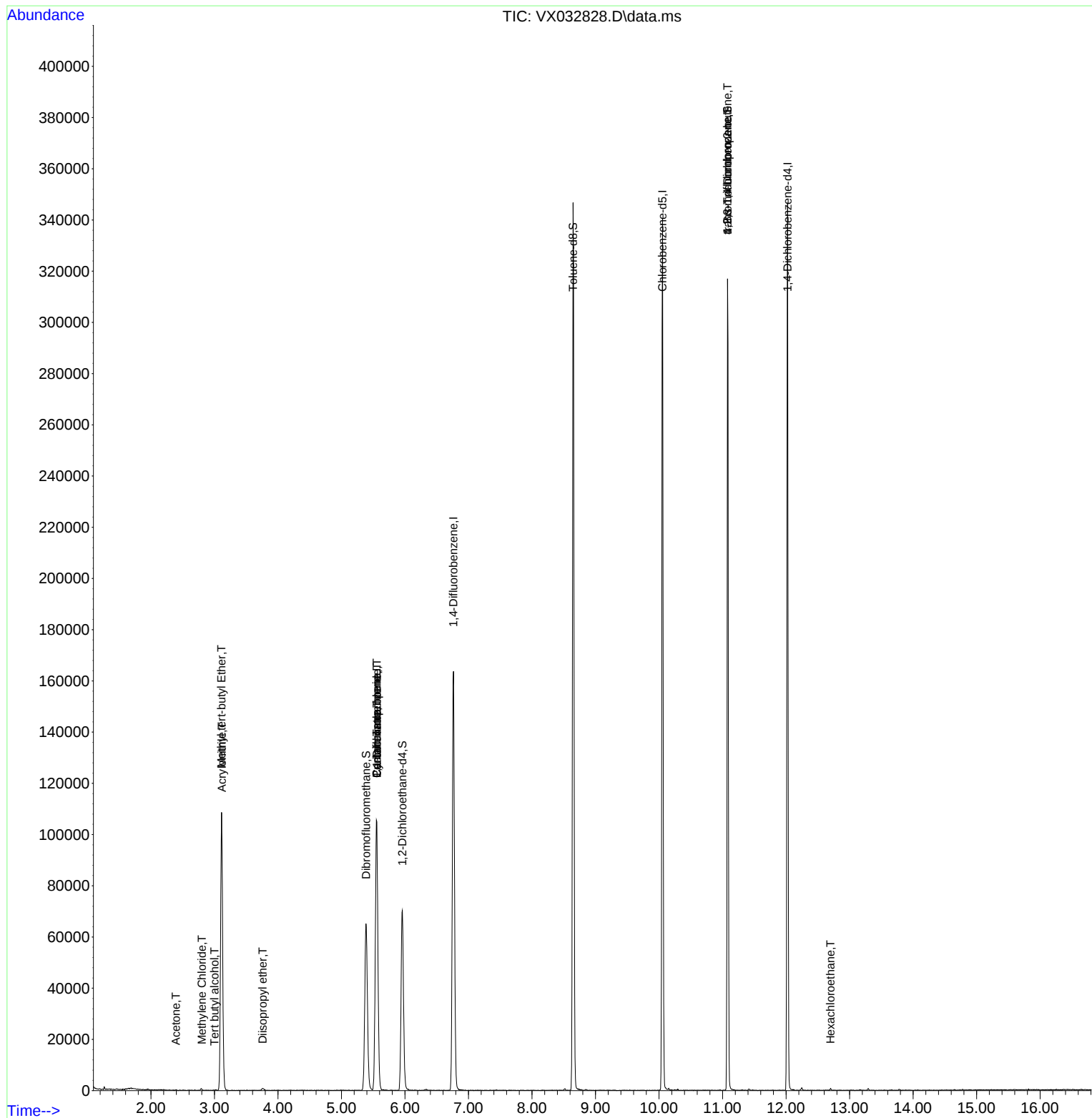
| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Pentafluorobenzene         | 5.556  | 168   | 100723   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 167230   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 150037   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 70975    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 72318    | 51.673   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | = 103.340% |          |
| 35) Dibromofluoromethane      | 5.385  | 113   | 56747    | 47.572   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | = 95.140%  |          |
| 50) Toluene-d8                | 8.647  | 98    | 204378   | 49.273   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | = 98.540%  |          |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 78102    | 48.204   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | = 96.400%  |          |
| Target Compounds              |        |       |          |          |            |          |
|                               |        |       |          |          | Qvalue     |          |
| 11) Tert butyl alcohol        | 3.001  | 59    | 360      | 1.767    | ug/l #     | 72       |
| 15) Acrylonitrile             | 3.117  | 53    | 1430     | 2.587    | ug/l #     | 30       |
| 16) Acetone                   | 2.392  | 43    | 248      | 0.488    | ug/l #     | 45       |
| 19) Methyl tert-butyl Ether   | 3.111  | 73    | 115432   | 32.514   | ug/l       | 100      |
| 20) Methylene Chloride        | 2.800  | 84    | 313      | 0.268    | ug/l #     | 53       |
| 22) Diisopropyl ether         | 3.757  | 45    | 876      | 0.252    | ug/l #     | 84       |
| 31) Cyclohexane               | 5.556  | 56    | 2200     | 1.296    | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 5.556  | 75    | 7891     | 4.750    | ug/l #     | 50       |
| 38) Carbon Tetrachloride      | 5.556  | 117   | 10252    | 5.564    | ug/l #     | 15       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 43001    | 27.233   | ug/l #     | 37       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 43001    | 86.655   | ug/l #     | 6        |
| 90) Hexachloroethane          | 12.701 | 117   | 425      | 0.531    | ug/l #     | 12       |
| -----                         |        |       |          |          |            |          |

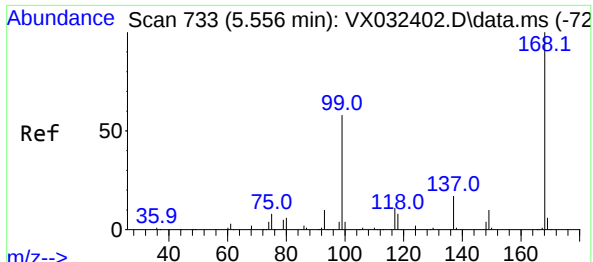
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX111522\  
Data File : VX032828.D  
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Sample : N5614-03  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

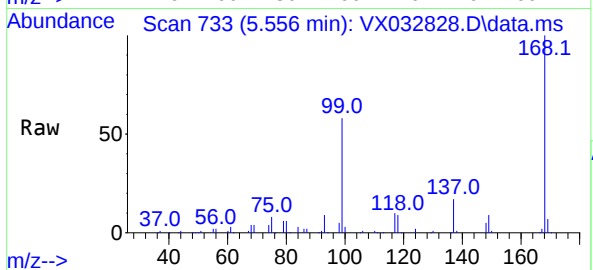
Quant Time: Nov 16 03:34:53 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102622W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 27 08:28:06 2022  
Response via : Initial Calibration



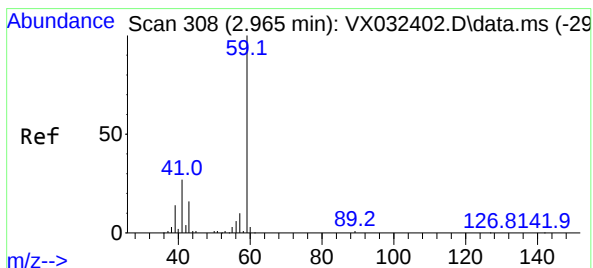
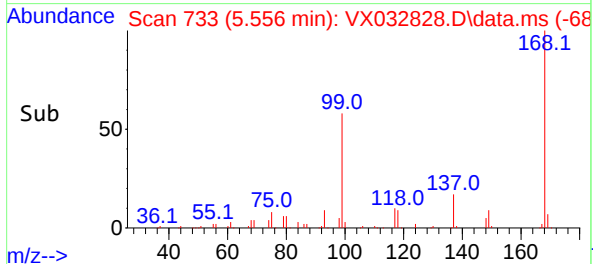
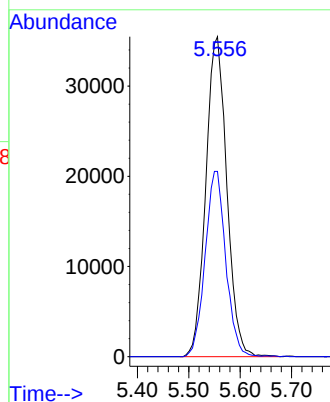


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX032828.D  
Acq: 15 Nov 2022 17:21

Instrument :  
MSVOA\_X  
ClientSampleId :

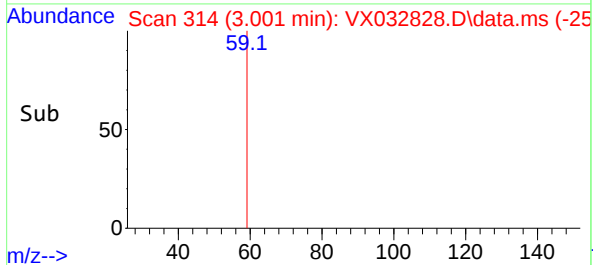
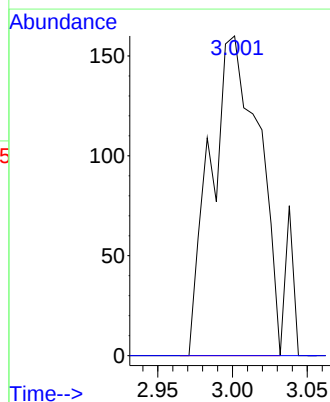
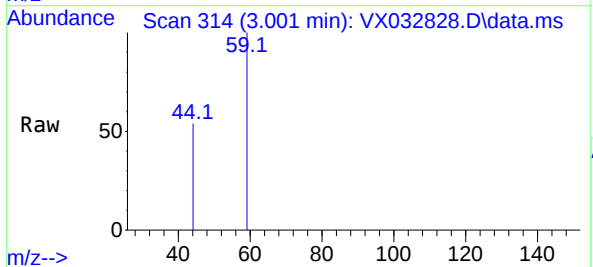


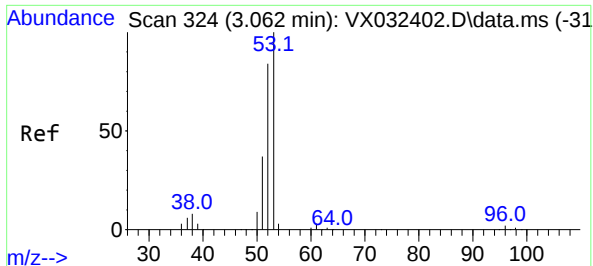
Tgt Ion:168 Resp: 100723  
Ion Ratio Lower Upper  
168 100  
99 57.9 46.1 69.1



#11  
Tert butyl alcohol  
Concen: 1.767 ug/l  
RT: 3.001 min Scan# 314  
Delta R.T. 0.037 min  
Lab File: VX032828.D  
Acq: 15 Nov 2022 17:21

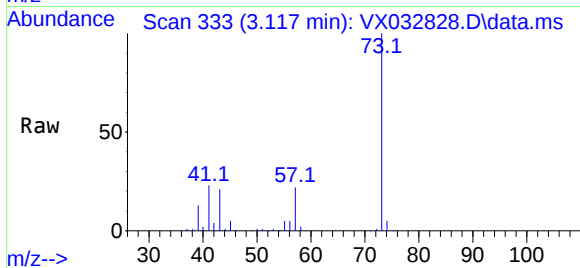
Tgt Ion: 59 Resp: 360  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.2 12.4#



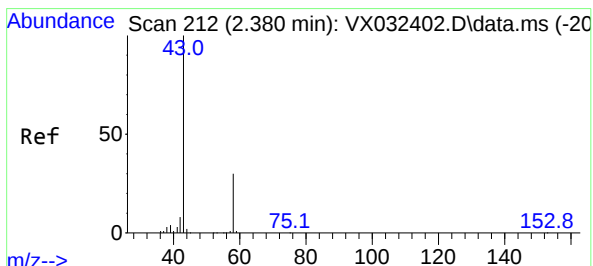
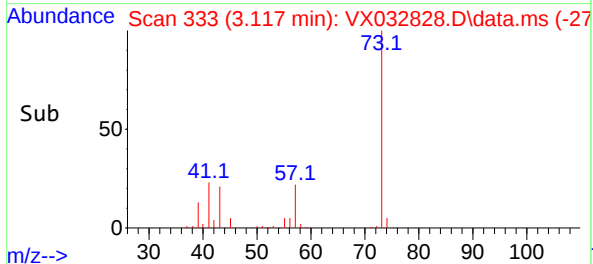
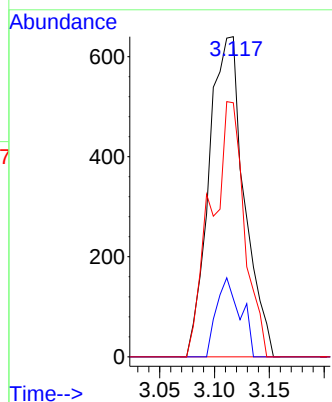


#15  
Acrylonitrile  
Concen: 2.587 ug/l  
RT: 3.117 min Scan# 31  
Delta R.T. 0.055 min  
Lab File: VX032828.D  
Acq: 15 Nov 2022 17:21

Instrument :  
MSVOA\_X  
ClientSampleId :

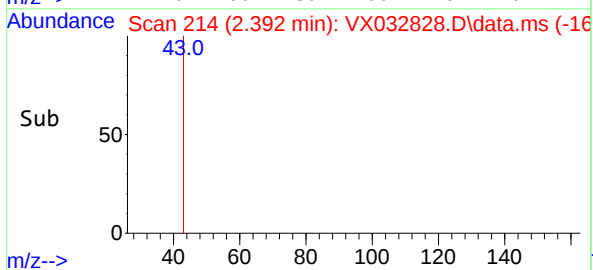
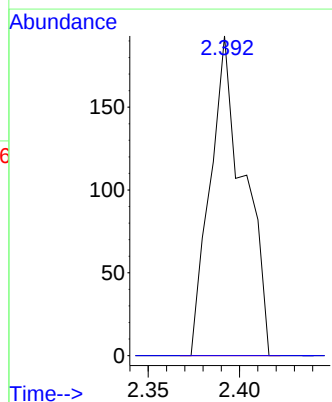
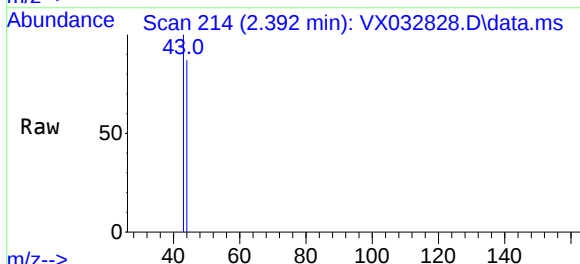


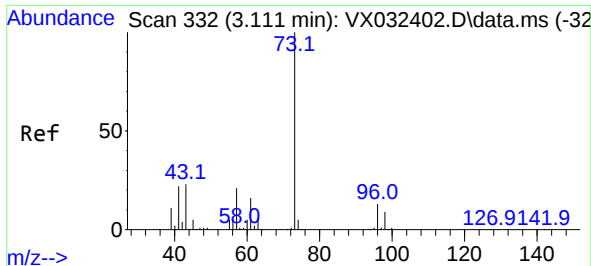
Tgt Ion: 53 Resp: 1430  
Ion Ratio Lower Upper  
53 100  
52 16.7 67.4 101.0#  
51 75.0 30.3 45.5#



#16  
Acetone  
Concen: 0.488 ug/l  
RT: 2.392 min Scan# 214  
Delta R.T. 0.012 min  
Lab File: VX032828.D  
Acq: 15 Nov 2022 17:21

Tgt Ion: 43 Resp: 248  
Ion Ratio Lower Upper  
43 100  
58 0.0 23.8 35.8#

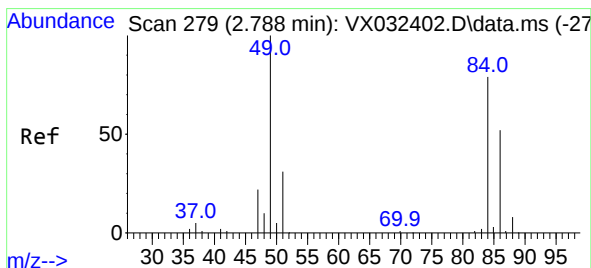
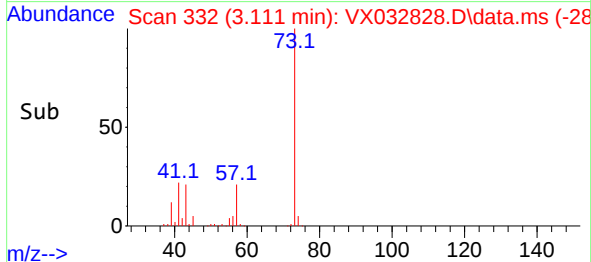
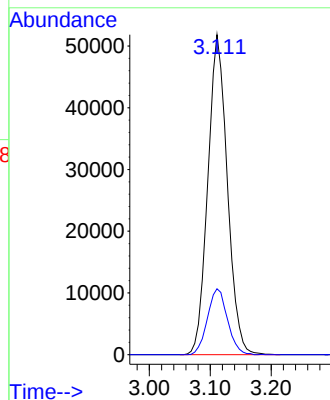
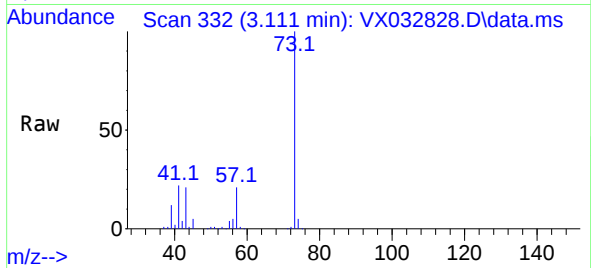




#19  
Methyl tert-butyl Ether  
Concen: 32.514 ug/l  
RT: 3.111 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VX032828.D  
Acq: 15 Nov 2022 17:21

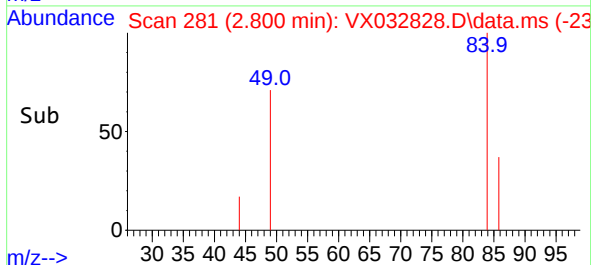
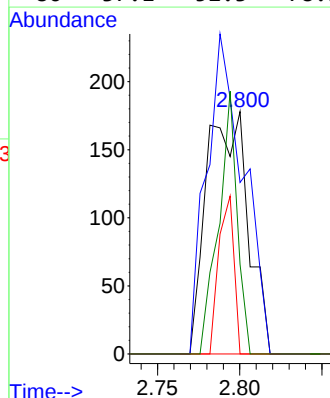
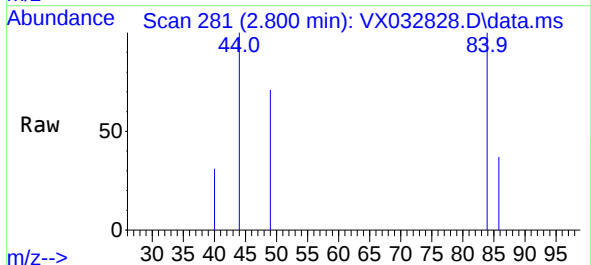
Instrument :  
MSVOA\_X  
ClientSampleId :

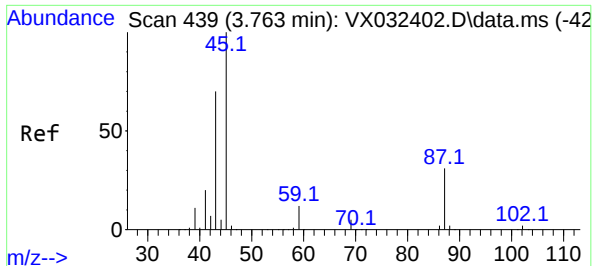
Tgt Ion: 73 Resp: 115432  
Ion Ratio Lower Upper  
73 100  
57 20.6 16.6 25.0



#20  
Methylene Chloride  
Concen: 0.268 ug/l  
RT: 2.800 min Scan# 281  
Delta R.T. 0.012 min  
Lab File: VX032828.D  
Acq: 15 Nov 2022 17:21

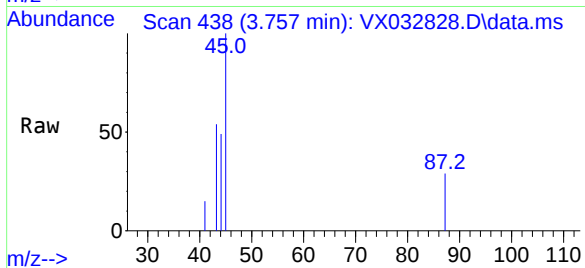
Tgt Ion: 84 Resp: 313  
Ion Ratio Lower Upper  
84 100  
49 70.8 101.0 151.6#  
51 0.0 31.1 46.7#  
86 37.1 52.3 78.5#





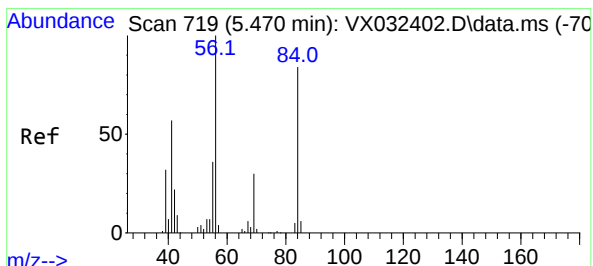
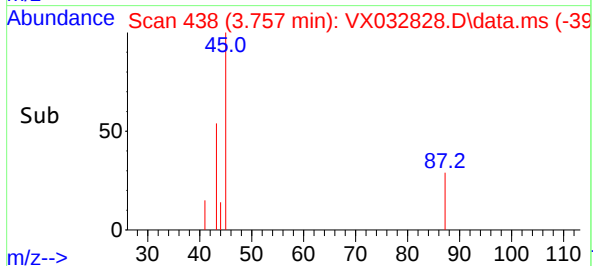
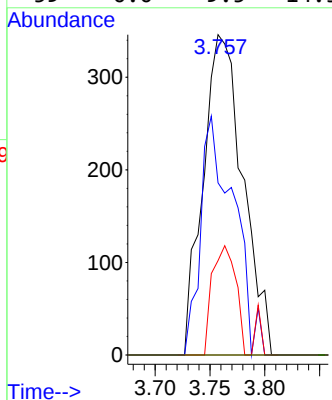
#22  
Diisopropyl ether  
Concen: 0.252 ug/l  
RT: 3.757 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VX032828.D  
Acq: 15 Nov 2022 17:21

Instrument :  
MSVOA\_X  
ClientSampleId :



Tgt Ion: 45 Resp: 876

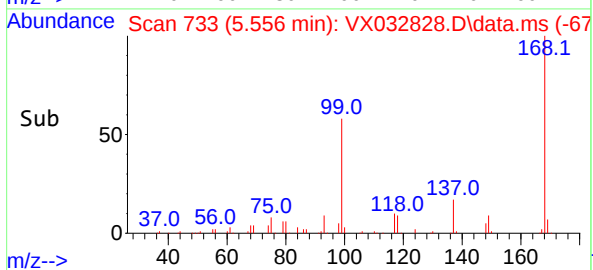
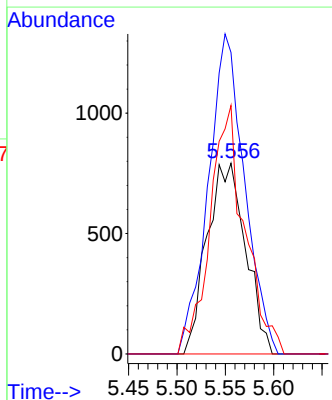
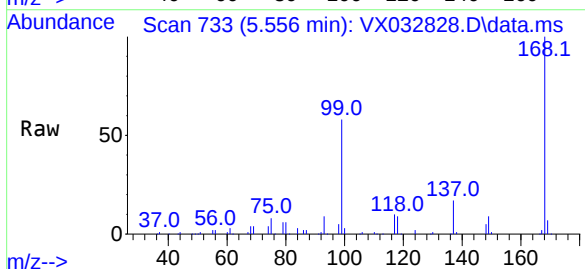
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 45  | 100   |       |       |
| 43  | 53.8  | 56.4  | 84.6# |
| 87  | 29.5  | 24.4  | 36.6  |
| 59  | 0.0   | 9.5   | 14.3# |

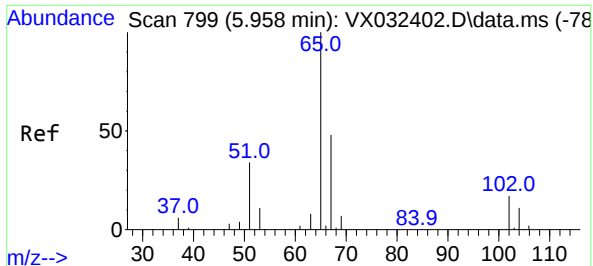


#31  
Cyclohexane  
Concen: 1.296 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. 0.085 min  
Lab File: VX032828.D  
Acq: 15 Nov 2022 17:21

Tgt Ion: 56 Resp: 2200

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 56  | 100   |       |        |
| 69  | 158.1 | 24.1  | 36.1#  |
| 84  | 130.3 | 66.9  | 100.3# |





#33

1,2-Dichloroethane-d4

Concen: 51.673 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX032828.D

Acq: 15 Nov 2022 17:21

Instrument :

MSVOA\_X

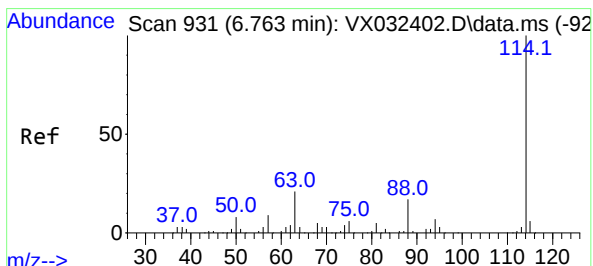
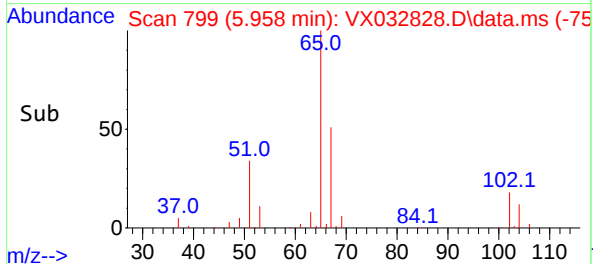
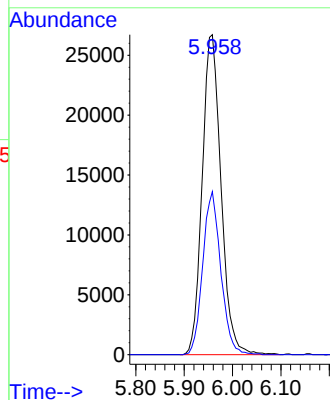
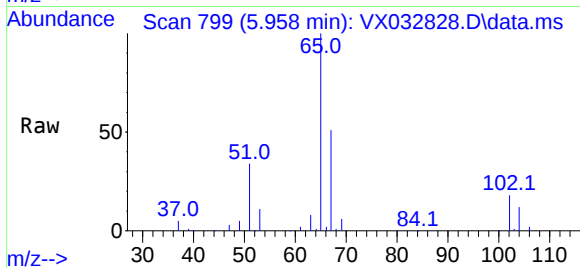
ClientSampleId :

Tgt Ion: 65 Resp: 72318

Ion Ratio Lower Upper

65 100

67 48.9 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX032828.D

Acq: 15 Nov 2022 17:21

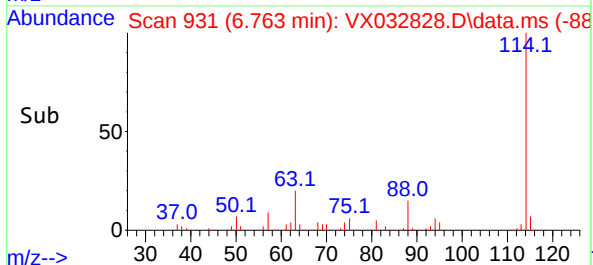
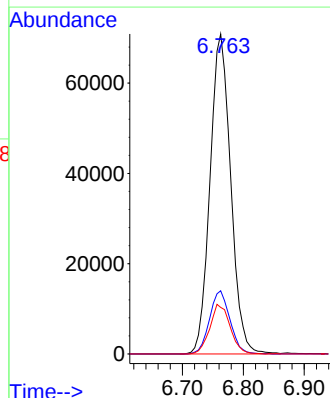
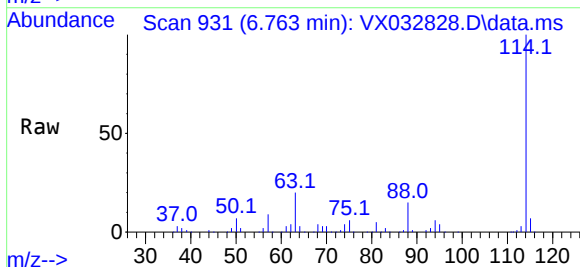
Tgt Ion: 114 Resp: 167230

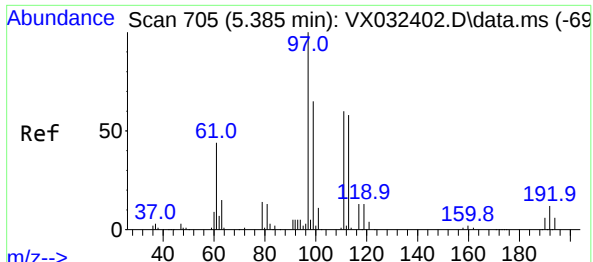
Ion Ratio Lower Upper

114 100

63 19.8 0.0 41.6

88 14.6 0.0 33.4





#35

Dibromofluoromethane

Concen: 47.572 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

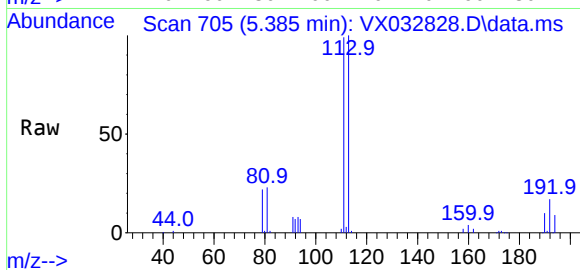
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Acq: 15 Nov 2022 17:21

Instrument :

MSVOA\_X

ClientSampleId :



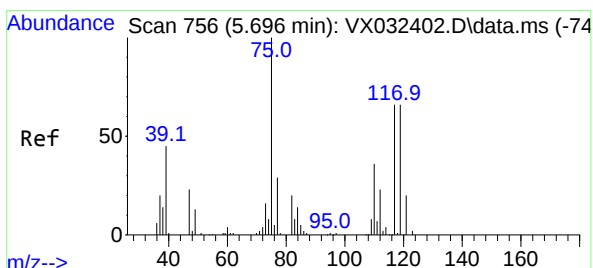
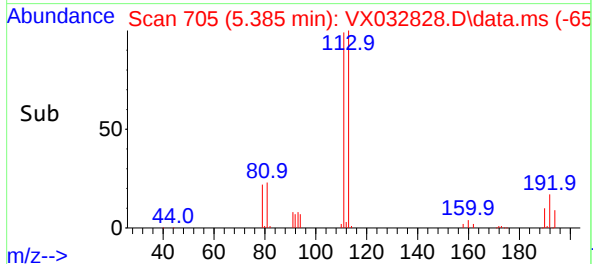
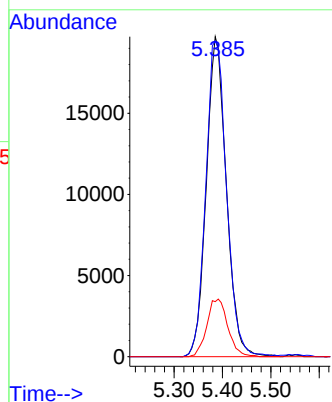
Tgt Ion:113 Resp: 56747

Ion Ratio Lower Upper

113 100

111 102.6 82.4 123.6

192 18.9 15.4 23.2



#36

1,1-Dichloropropene

Concen: 4.750 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX032828.D

Acq: 15 Nov 2022 17:21

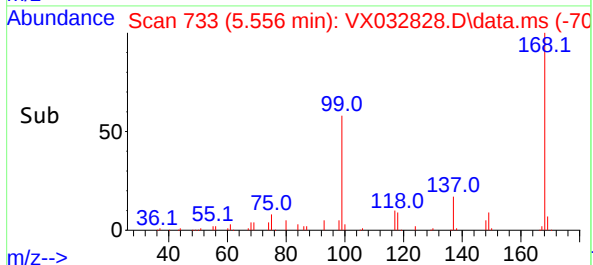
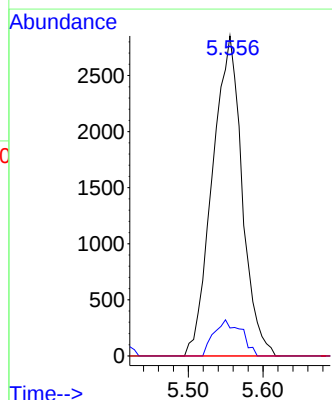
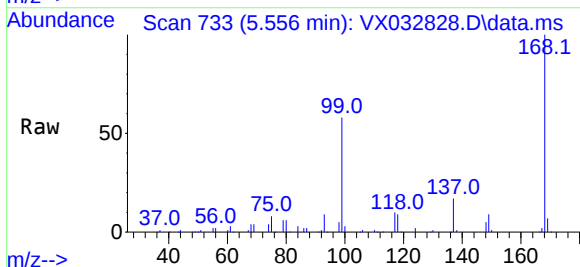
Tgt Ion: 75 Resp: 7891

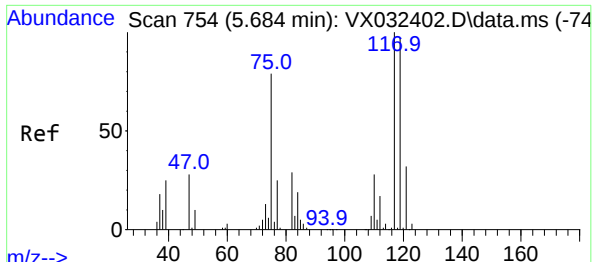
Ion Ratio Lower Upper

75 100

110 10.4 18.4 55.2#

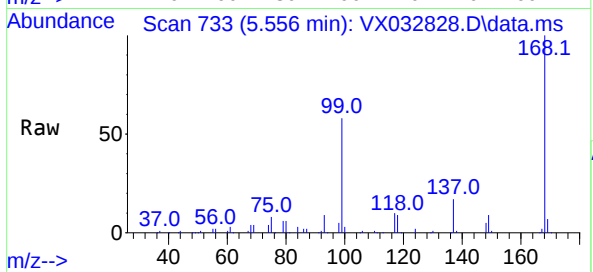
77 0.0 24.5 36.7#



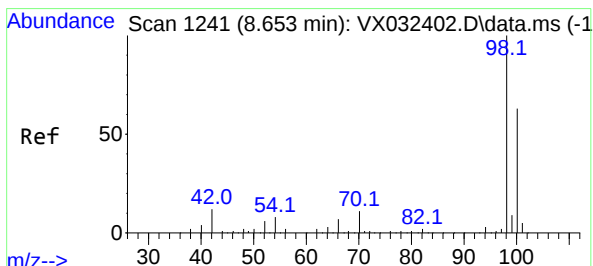
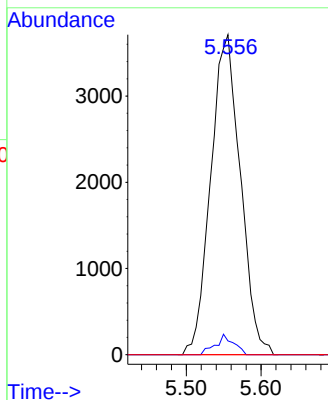
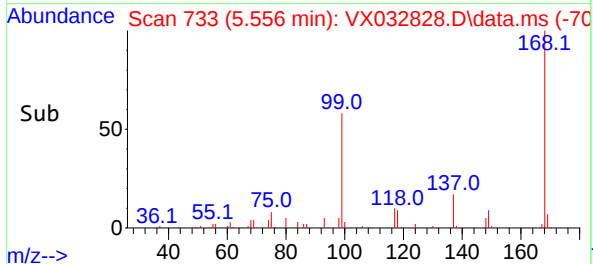


#38  
Carbon Tetrachloride  
Concen: 5.564 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.128 min  
Lab File: VX032828.D  
Acq: 15 Nov 2022 17:21

Instrument :  
MSVOA\_X  
ClientSampleId :

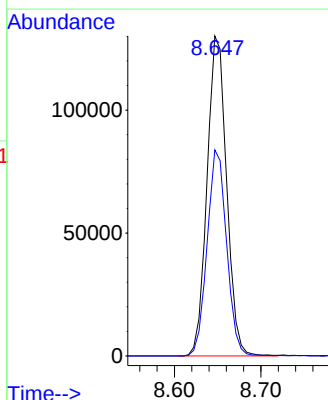
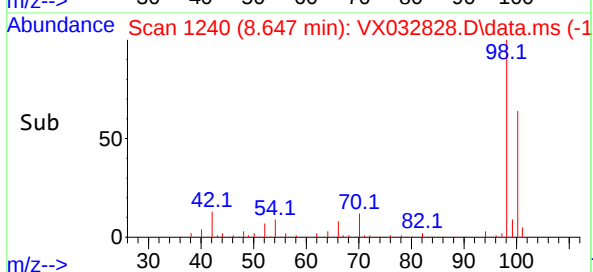
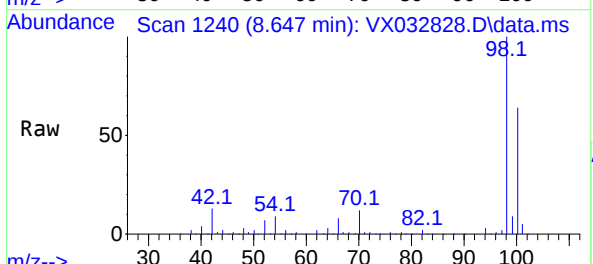


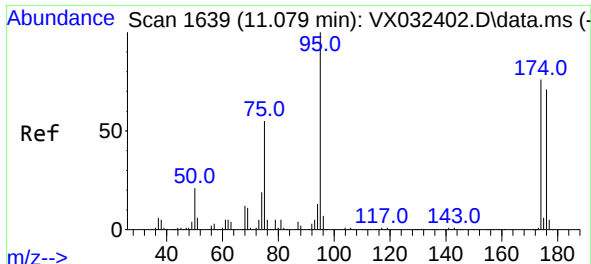
Tgt Ion:117 Resp: 10252  
Ion Ratio Lower Upper  
117 100  
119 4.3 77.2 115.8#  
121 0.0 25.8 38.6#



#50  
Toluene-d8  
Concen: 49.273 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. -0.006 min  
Lab File: VX032828.D  
Acq: 15 Nov 2022 17:21

Tgt Ion: 98 Resp: 204378  
Ion Ratio Lower Upper  
98 100  
100 64.1 50.9 76.3

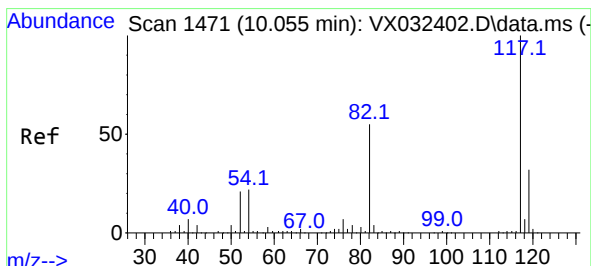
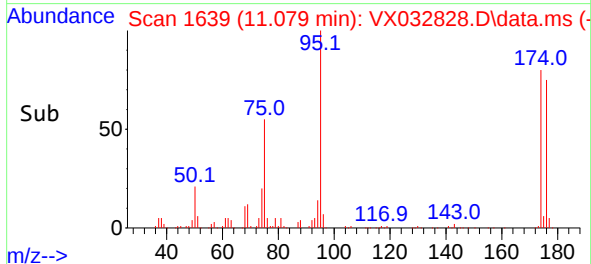
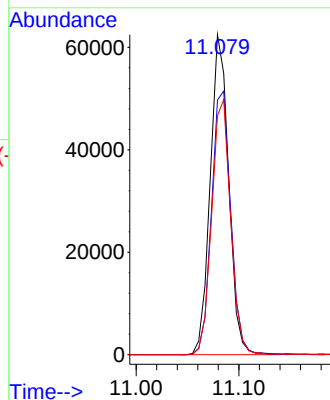
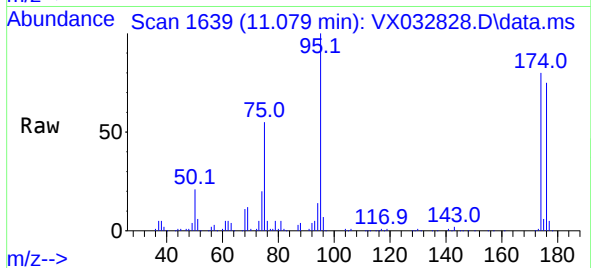




#62  
4-Bromofluorobenzene  
Concen: 48.204 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX032828.D  
Acq: 15 Nov 2022 17:21

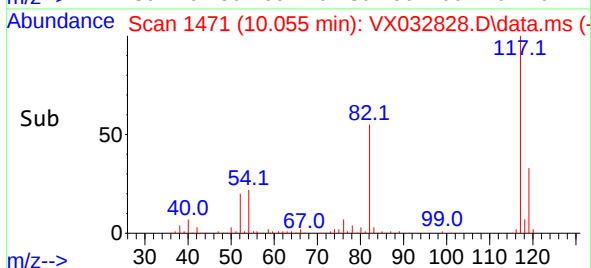
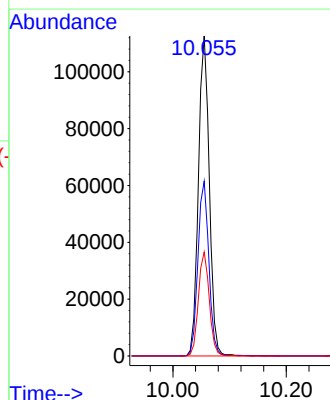
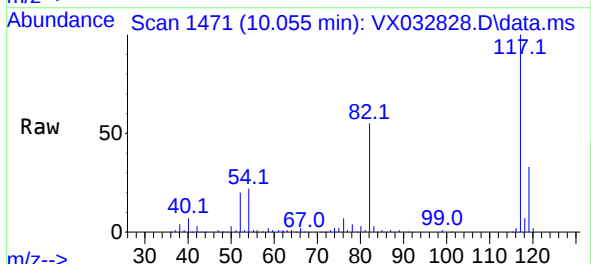
Instrument :  
MSVOA\_X  
ClientSampleId :

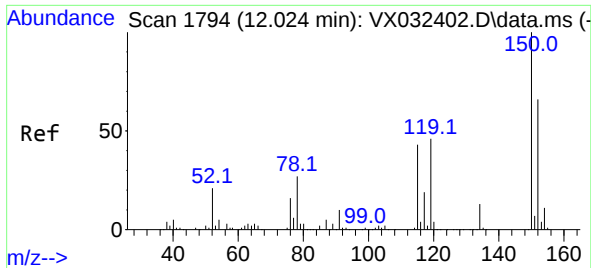
Tgt Ion: 95 Resp: 78102  
Ion Ratio Lower Upper  
95 100  
174 85.5 0.0 164.0  
176 81.7 0.0 154.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX032828.D  
Acq: 15 Nov 2022 17:21

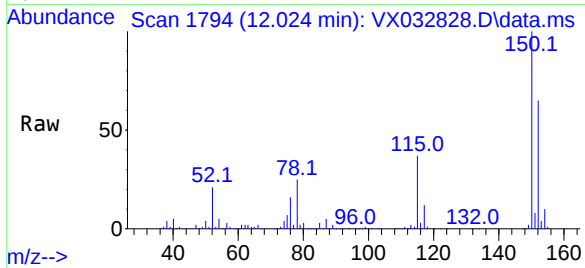
Tgt Ion: 117 Resp: 150037  
Ion Ratio Lower Upper  
117 100  
82 54.6 44.3 66.5  
119 32.5 25.7 38.5



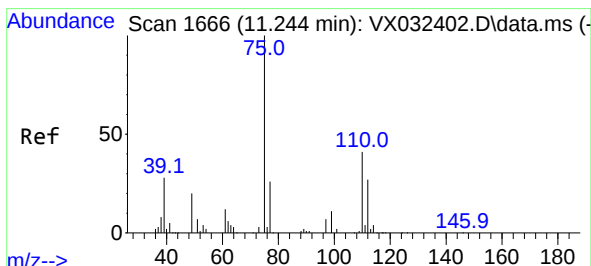
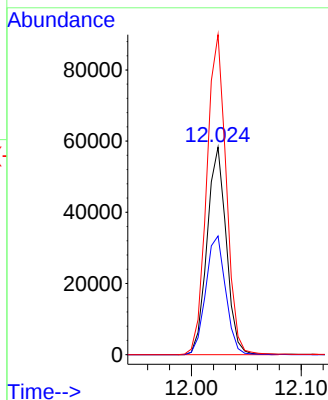
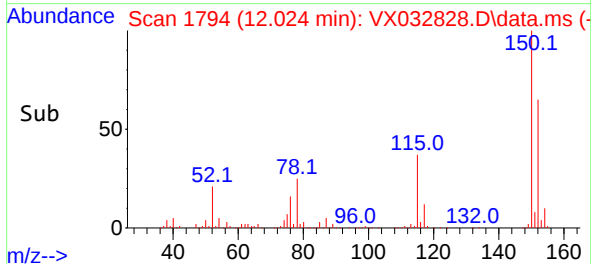


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VX032828.D  
Acq: 15 Nov 2022 17:21

Instrument :  
MSVOA\_X  
ClientSampleId :

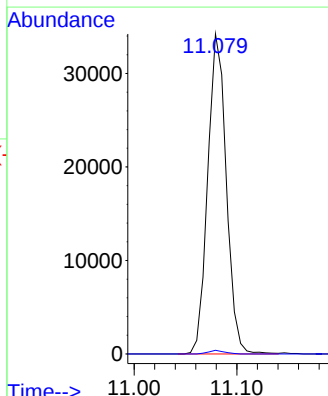
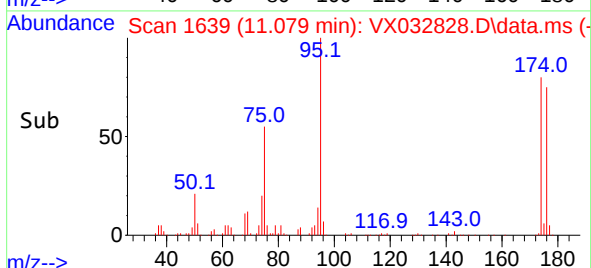
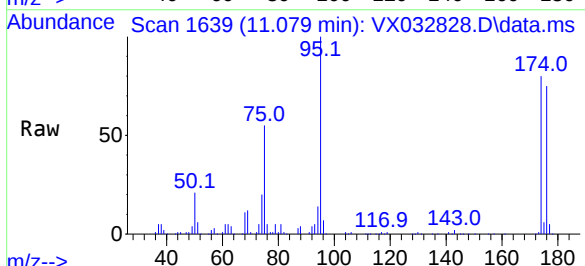


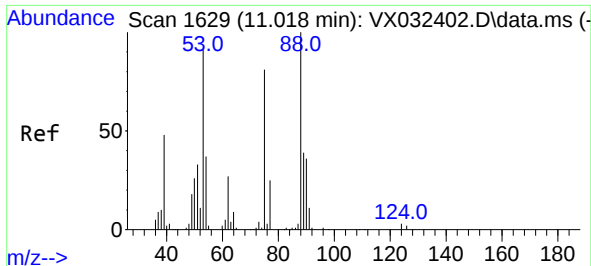
Tgt Ion:152 Resp: 70975  
Ion Ratio Lower Upper  
152 100  
115 59.5 44.0 132.0  
150 156.5 0.0 351.8



#76  
1,2,3-Trichloropropane  
Concen: 27.233 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.165 min  
Lab File: VX032828.D  
Acq: 15 Nov 2022 17:21

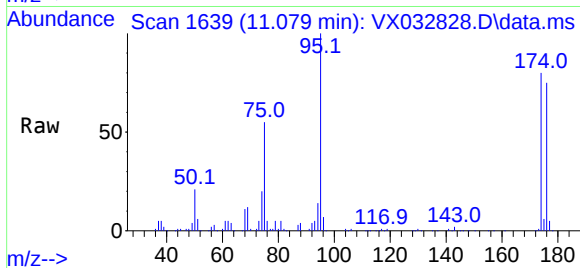
Tgt Ion: 75 Resp: 43001  
Ion Ratio Lower Upper  
75 100  
77 1.0 20.0 60.0#



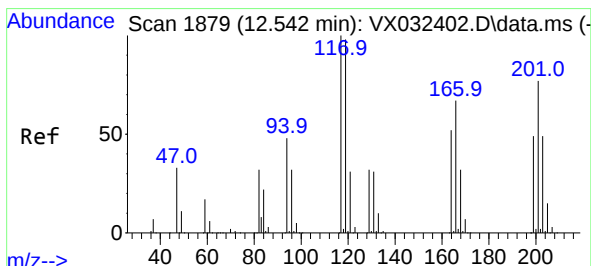
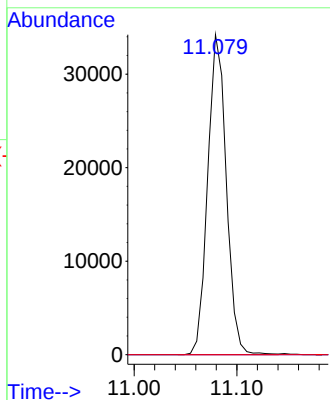
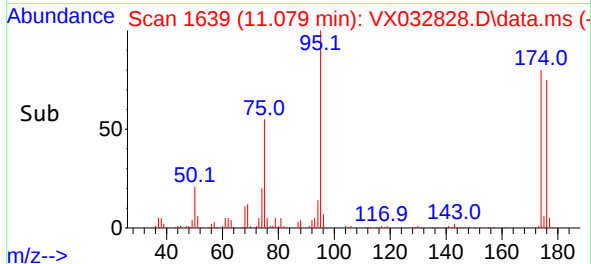


#81  
trans-1,4-Dichloro-2-butene  
Concen: 86.655 ug/l  
RT: 11.079 min Scan# 1105  
Delta R.T. 0.061 min  
Lab File: VX032828.D  
Acq: 15 Nov 2022 17:21

Instrument :  
MSVOA\_X  
ClientSampleId :



Tgt Ion: 75 Resp: 43001  
Ion Ratio Lower Upper  
75 100  
53 0.0 86.9 130.3#  
89 0.0 38.3 57.5#



#90  
Hexachloroethane  
Concen: 0.531 ug/l  
RT: 12.701 min Scan# 1905  
Delta R.T. 0.158 min  
Lab File: VX032828.D  
Acq: 15 Nov 2022 17:21

Tgt Ion: 117 Resp: 425  
Ion Ratio Lower Upper  
117 100  
201 0.0 37.6 112.9#

