

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX101722\  
 Data File : VX032163.D  
 Acq On : 17 Oct 2022 18:59  
 Operator : JC/MD  
 Sample : VX1017WBL01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1017WBL01

Quant Time: Oct 18 04:22:39 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X101722W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 18 04:18:35 2022  
 Response via : Initial Calibration

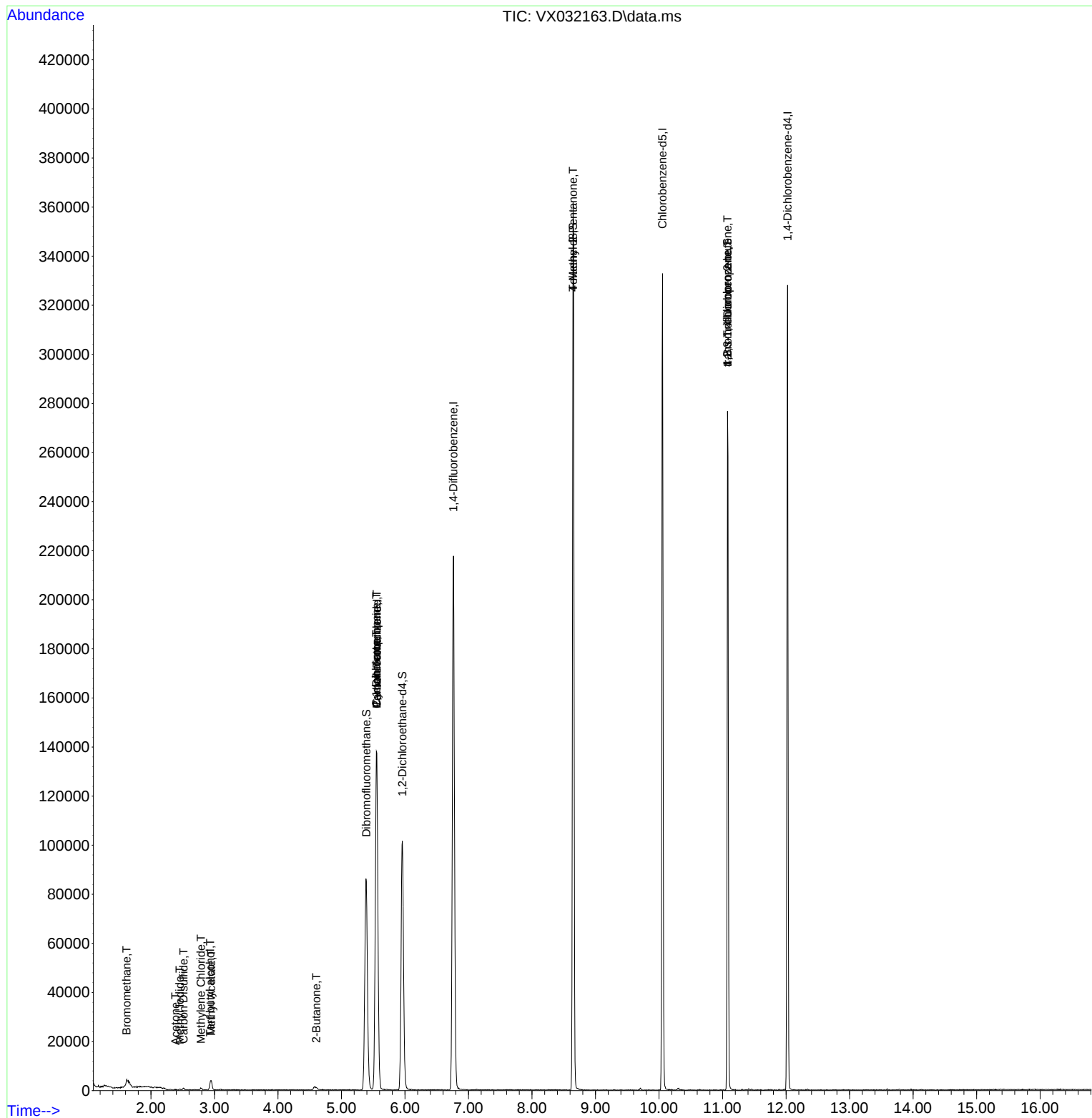
| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Pentafluorobenzene         | 5.556  | 168   | 123404   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 212755   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 145995   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 65605    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 101507   | 51.646   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery | = 103.300% |          |
| 35) Dibromofluoromethane      | 5.391  | 113   | 73390    | 50.555   | ug/l       | 0.01     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | = 101.120% |          |
| 50) Toluene-d8                | 8.647  | 98    | 214189   | 42.066   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery | = 84.140%# |          |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 71523    | 36.893   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | = 73.780%# |          |
| Target Compounds              |        |       |          |          |            |          |
|                               |        |       |          |          | Qvalue     |          |
| 5) Bromomethane               | 1.618  | 94    | 655      | 0.605    | ug/l       | 99       |
| 10) Methyl Iodide             | 2.453  | 142   | 325      | 0.249    | ug/l #     | 90       |
| 11) Tert butyl alcohol        | 2.934  | 59    | 2578     | 9.537    | ug/l #     | 73       |
| 16) Acetone                   | 2.386  | 43    | 188      | 0.398    | ug/l #     | 45       |
| 17) Carbon Disulfide          | 2.514  | 76    | 803      | 0.318    | ug/l #     | 75       |
| 18) Methyl Acetate            | 2.947  | 43    | 422      | 0.219    | ug/l #     | 52       |
| 20) Methylene Chloride        | 2.788  | 84    | 460      | 0.317    | ug/l #     | 63       |
| 25) 2-Butanone                | 4.605  | 43    | 274      | 0.271    | ug/l #     | 49       |
| 31) Cyclohexane               | 5.550  | 56    | 3196     | 1.459    | ug/l #     | 22       |
| 36) 1,1-Dichloropropene       | 5.550  | 75    | 10736    | 5.112    | ug/l #     | 50       |
| 38) Carbon Tetrachloride      | 5.556  | 117   | 14150    | 6.362    | ug/l #     | 17       |
| 51) 4-Methyl-2-Pentanone      | 8.647  | 43    | 1075     | 0.552    | ug/l #     | 1        |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 38159    | 26.825   | ug/l #     | 36       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 38159    | 103.269  | ug/l #     | 11       |
| -----                         |        |       |          |          |            |          |

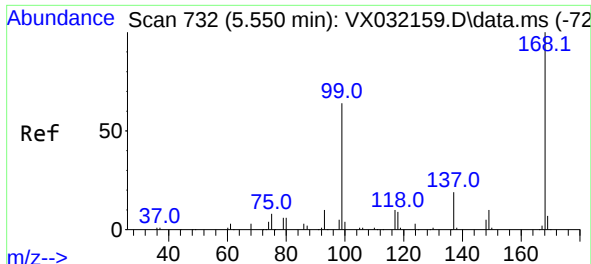
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX101722\  
Data File : VX032163.D  
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Sample : VX1017WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1017WBL01

Quant Time: Oct 18 04:22:39 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X101722W.M  
Quant Title : SW846 8260  
QLast Update : Tue Oct 18 04:18:35 2022  
Response via : Initial Calibration

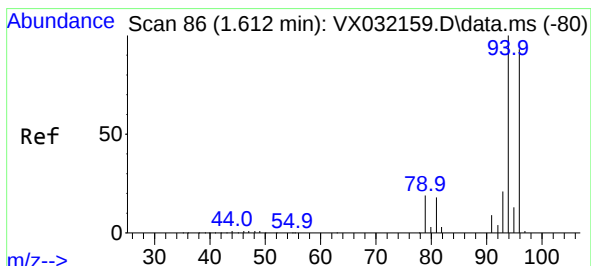
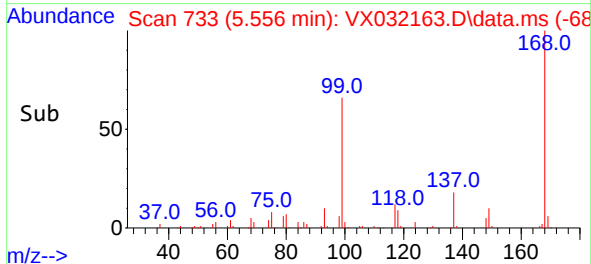
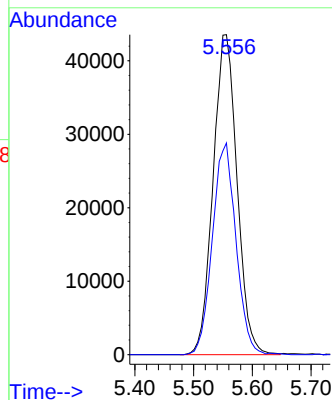
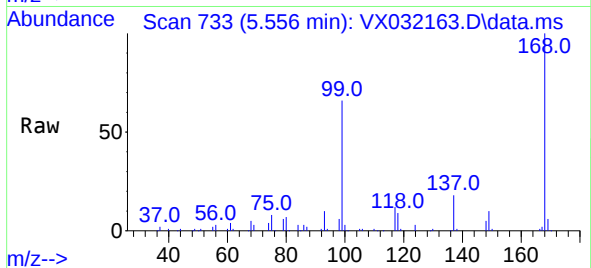




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX032163.D  
Acq: 17 Oct 2022 18:59

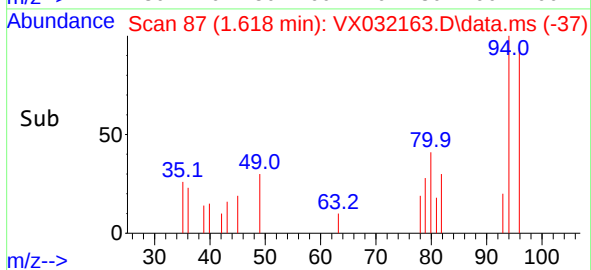
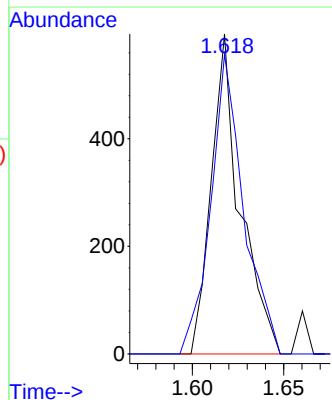
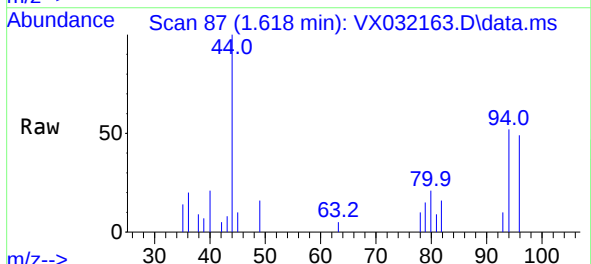
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1017WBL01

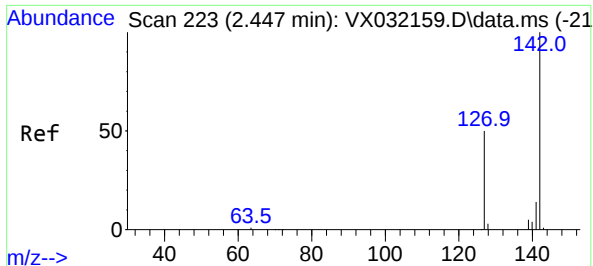
Tgt Ion:168 Resp: 123404  
Ion Ratio Lower Upper  
168 100  
99 66.2 48.8 73.2



#5  
Bromomethane  
Concen: 0.605 ug/l  
RT: 1.618 min Scan# 87  
Delta R.T. 0.006 min  
Lab File: VX032163.D  
Acq: 17 Oct 2022 18:59

Tgt Ion: 94 Resp: 655  
Ion Ratio Lower Upper  
94 100  
96 93.6 74.4 111.6

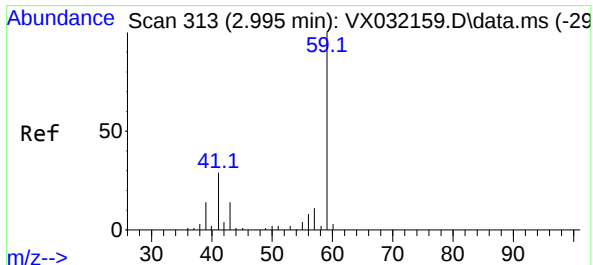
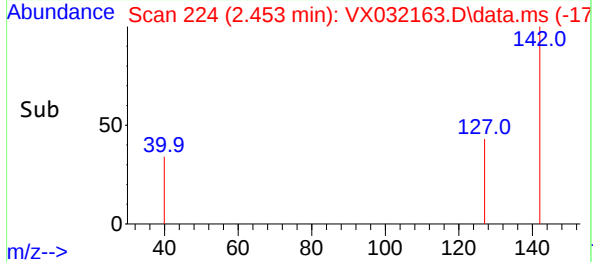
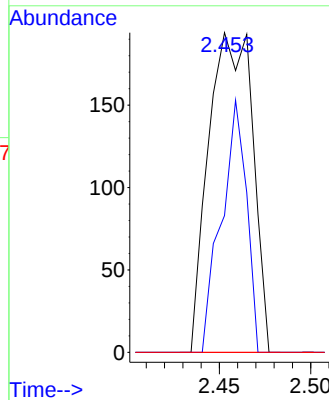
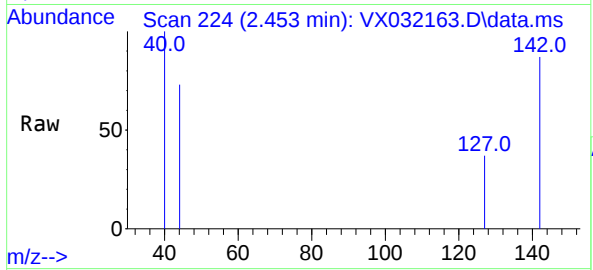




#10  
Methyl Iodide  
Concen: 0.249 ug/l  
RT: 2.453 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VX032163.D  
Acq: 17 Oct 2022 18:59

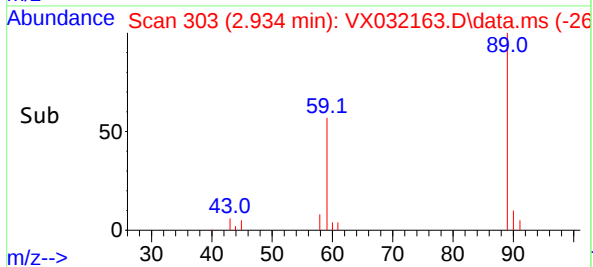
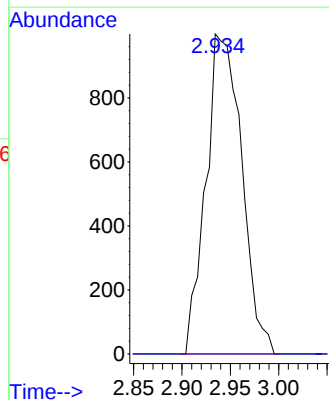
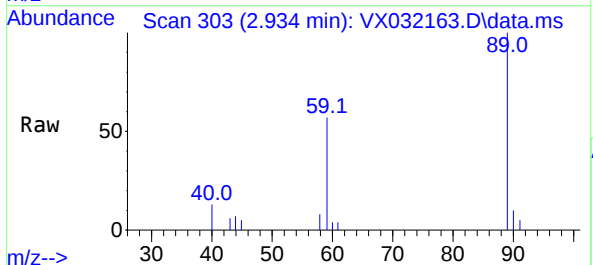
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1017WBL01

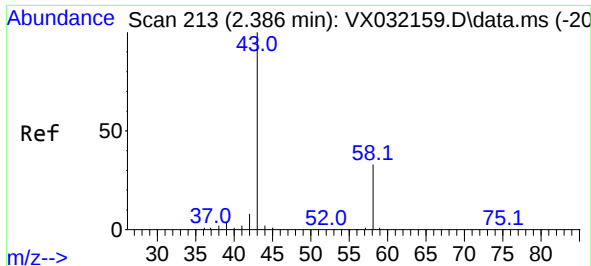
Tgt Ion:142 Resp: 325  
Ion Ratio Lower Upper  
142 100  
127 44.9 37.4 56.0  
141 0.0 11.6 17.4#



#11  
Tert butyl alcohol  
Concen: 9.537 ug/l  
RT: 2.934 min Scan# 303  
Delta R.T. -0.061 min  
Lab File: VX032163.D  
Acq: 17 Oct 2022 18:59

Tgt Ion: 59 Resp: 2578  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.2 12.2#

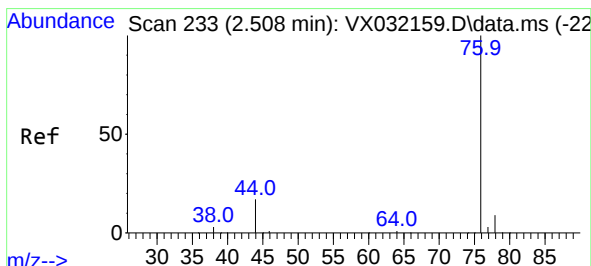
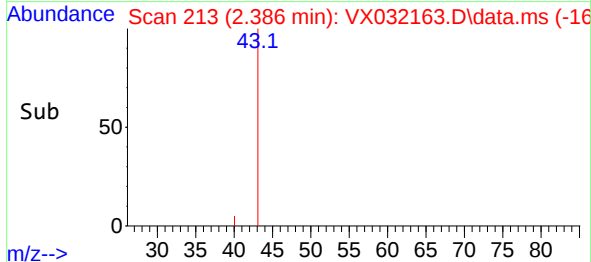
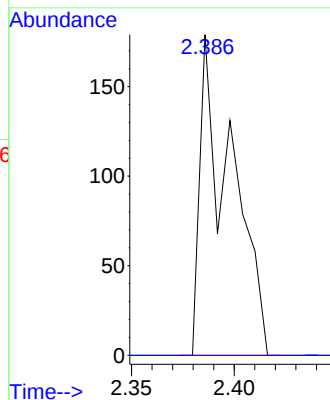
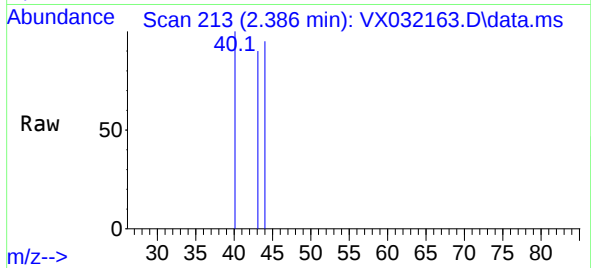




#16  
Acetone  
Concen: 0.398 ug/l  
RT: 2.386 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VX032163.D  
Acq: 17 Oct 2022 18:59

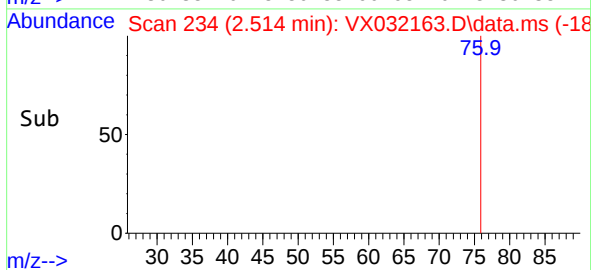
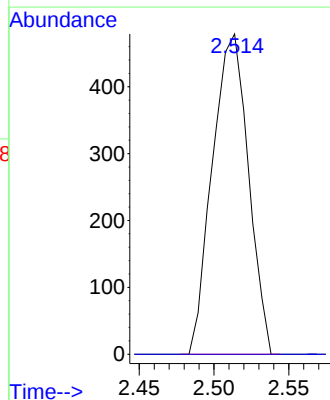
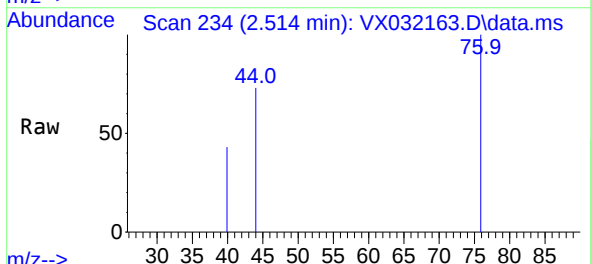
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1017WBL01

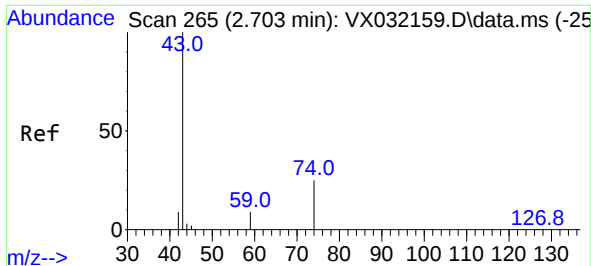
Tgt Ion: 43 Resp: 188  
Ion Ratio Lower Upper  
43 100  
58 0.0 23.8 35.8#



#17  
Carbon Disulfide  
Concen: 0.318 ug/l  
RT: 2.514 min Scan# 234  
Delta R.T. 0.006 min  
Lab File: VX032163.D  
Acq: 17 Oct 2022 18:59

Tgt Ion: 76 Resp: 803  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.2 10.8#





#18

Methyl Acetate

Concen: 0.219 ug/l

RT: 2.947 min Scan# 305

Delta R.T. 0.244 min

Lab File: VX032163.D

Acq: 17 Oct 2022 18:59

Instrument :

MSVOA\_X

ClientSampleId :

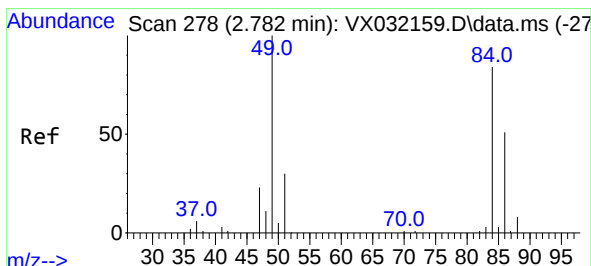
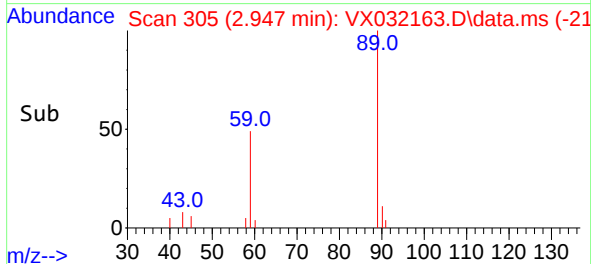
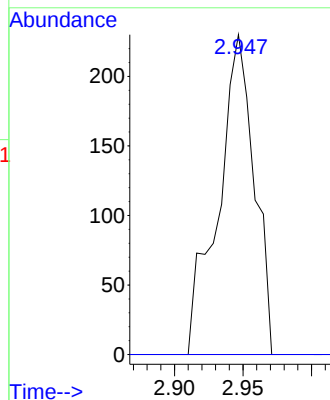
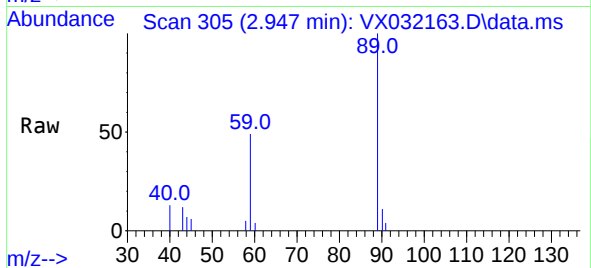
VX1017WBL01

Tgt Ion: 43 Resp: 422

Ion Ratio Lower Upper

43 100

74 0.0 18.6 27.8#



#20

Methylene Chloride

Concen: 0.317 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.006 min

Lab File: VX032163.D

Acq: 17 Oct 2022 18:59

Tgt Ion: 84 Resp: 460

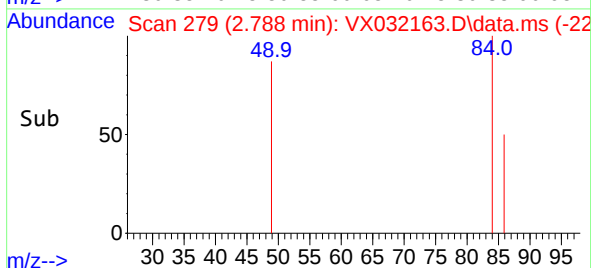
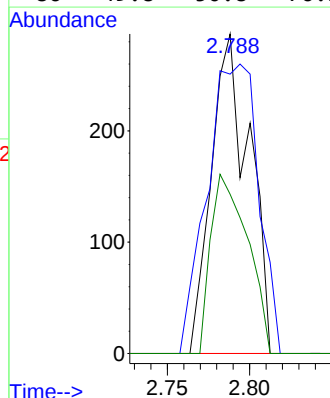
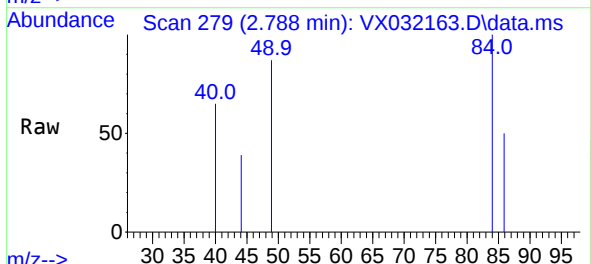
Ion Ratio Lower Upper

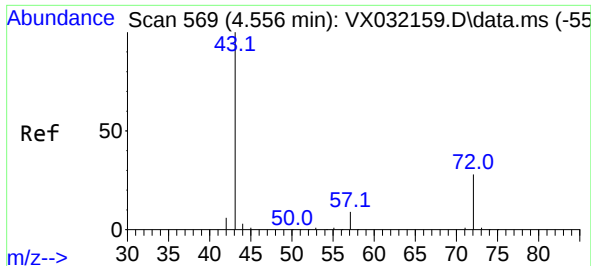
84 100

49 87.5 105.9 158.9#

51 0.0 32.2 48.2#

86 49.8 50.8 76.2#





#25

2-Butanone

Concen: 0.271 ug/l

RT: 4.605 min Scan# 51

Delta R.T. 0.049 min

Lab File: VX032163.D

Acq: 17 Oct 2022 18:59

Instrument :

MSVOA\_X

ClientSampleId :

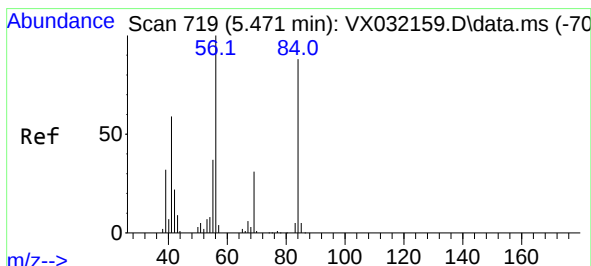
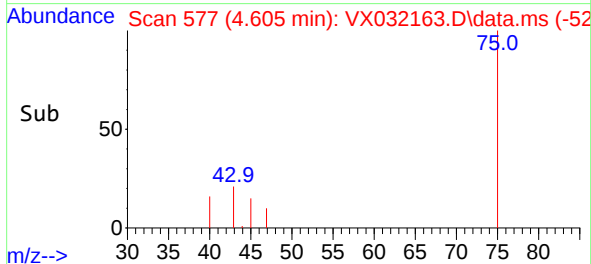
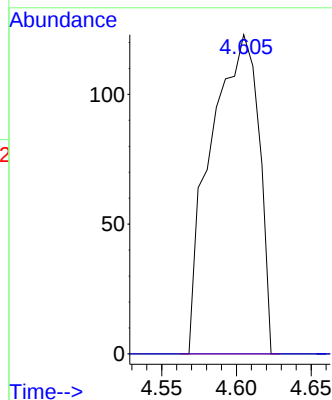
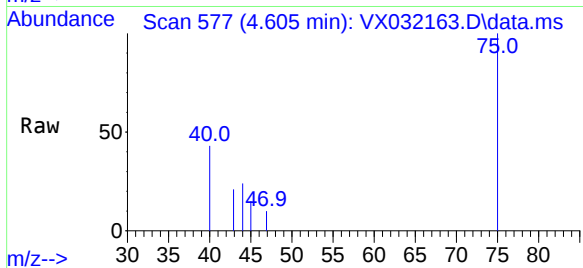
VX1017WBL01

Tgt Ion: 43 Resp: 274

Ion Ratio Lower Upper

43 100

72 0.0 21.1 31.7#



#31

Cyclohexane

Concen: 1.459 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX032163.D

Acq: 17 Oct 2022 18:59

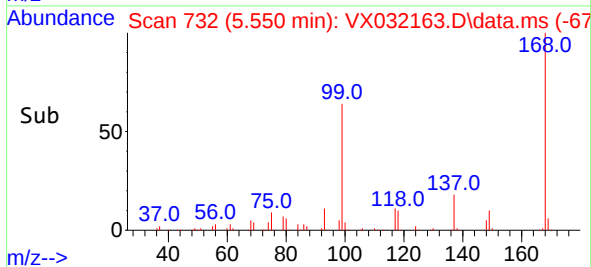
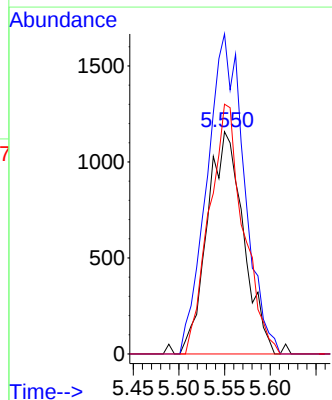
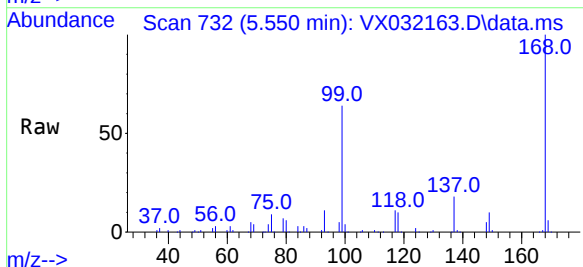
Tgt Ion: 56 Resp: 3196

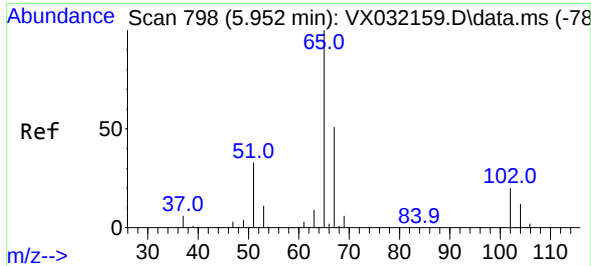
Ion Ratio Lower Upper

56 100

69 144.0 25.1 37.7#

84 118.0 70.2 105.4#

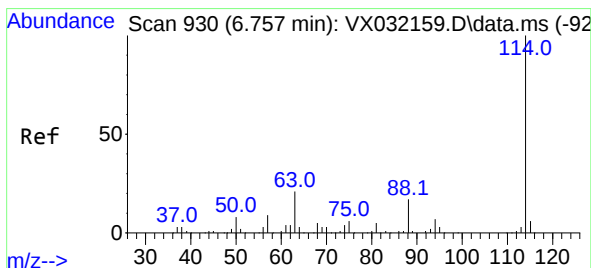
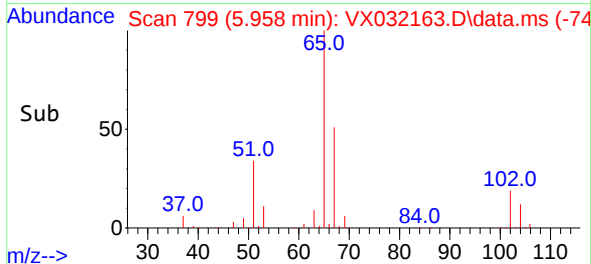
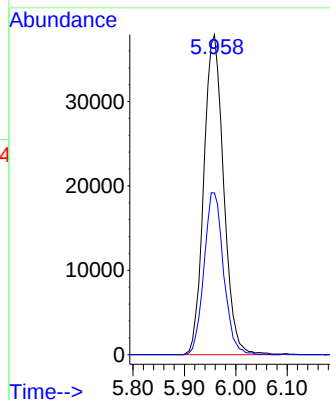
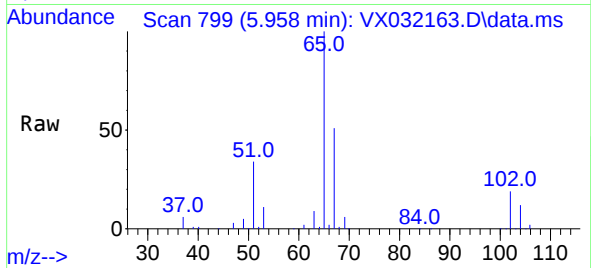




#33  
 1,2-Dichloroethane-d4  
 Concen: 51.646 ug/l  
 RT: 5.958 min Scan# 798  
 Delta R.T. 0.006 min  
 Lab File: VX032163.D  
 Acq: 17 Oct 2022 18:59

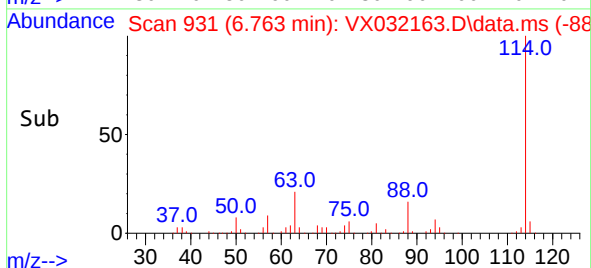
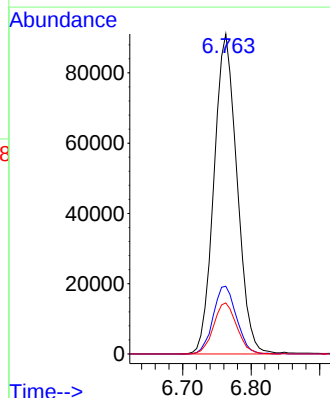
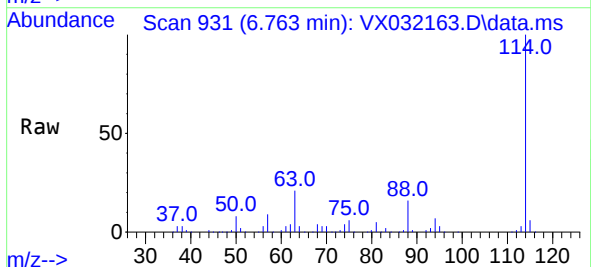
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1017WBL01

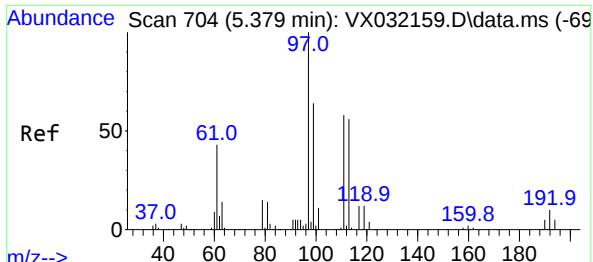
Tgt Ion: 65 Resp: 101507  
 Ion Ratio Lower Upper  
 65 100  
 67 49.9 0.0 102.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.763 min Scan# 931  
 Delta R.T. 0.006 min  
 Lab File: VX032163.D  
 Acq: 17 Oct 2022 18:59

Tgt Ion: 114 Resp: 212755  
 Ion Ratio Lower Upper  
 114 100  
 63 21.2 0.0 42.6  
 88 16.0 0.0 33.0





#35

Dibromofluoromethane

Concen: 50.555 ug/l

RT: 5.391 min Scan# 704

Delta R.T. 0.012 min

Lab File: VX032163.D

Acq: 17 Oct 2022 18:59

Instrument :

MSVOA\_X

ClientSampleId :

VX1017WBL01

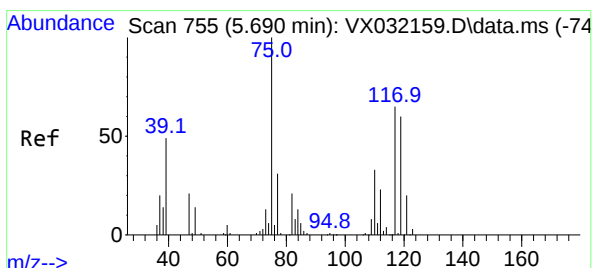
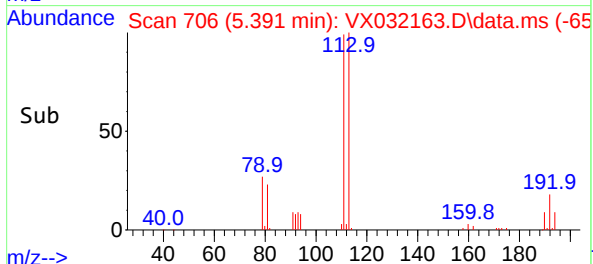
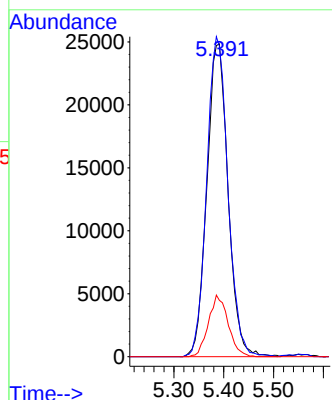
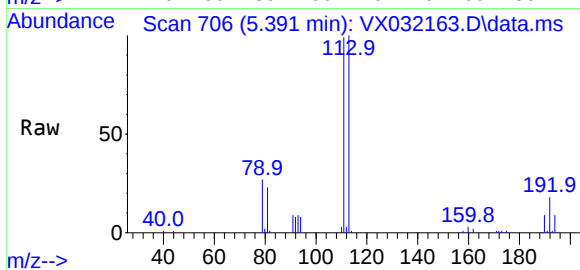
Tgt Ion:113 Resp: 73390

Ion Ratio Lower Upper

113 100

111 102.3 82.4 123.6

192 18.3 14.1 21.1



#36

1,1-Dichloropropene

Concen: 5.112 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.140 min

Lab File: VX032163.D

Acq: 17 Oct 2022 18:59

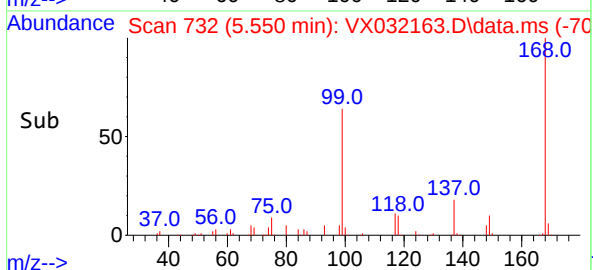
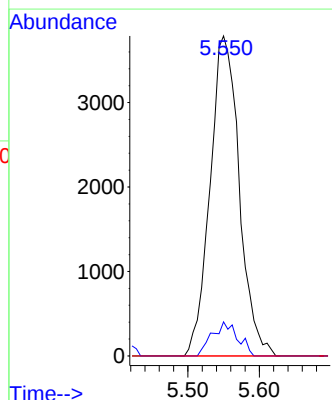
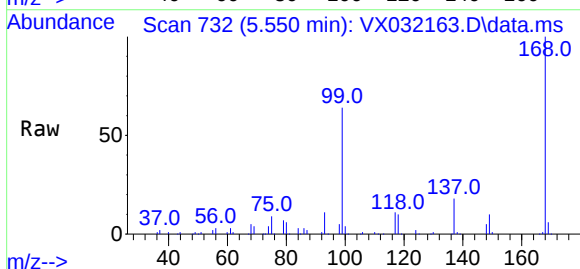
Tgt Ion: 75 Resp: 10736

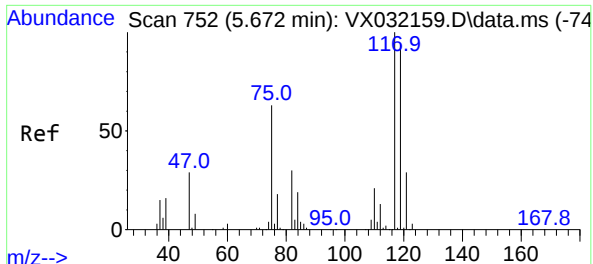
Ion Ratio Lower Upper

75 100

110 9.3 17.5 52.5#

77 0.0 24.9 37.3#

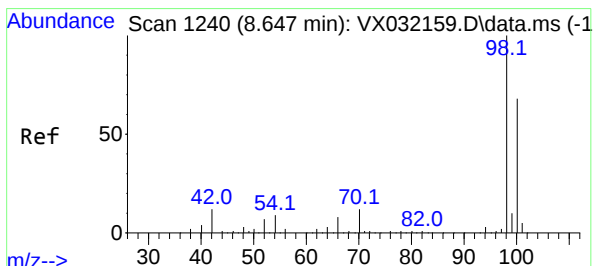
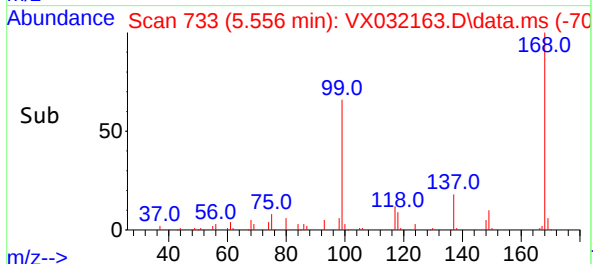
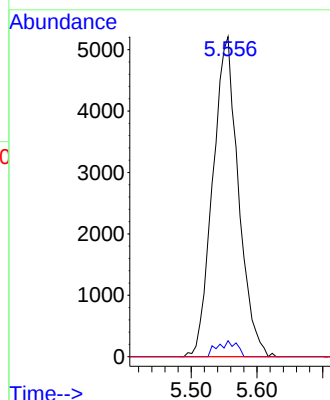
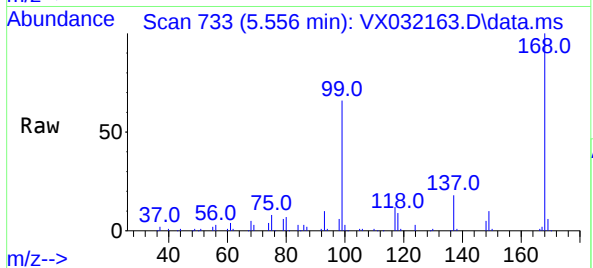




#38  
Carbon Tetrachloride  
Concen: 6.362 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.116 min  
Lab File: VX032163.D  
Acq: 17 Oct 2022 18:59

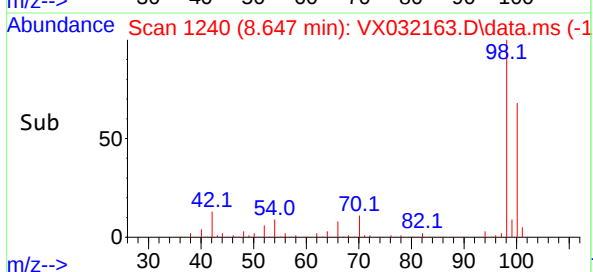
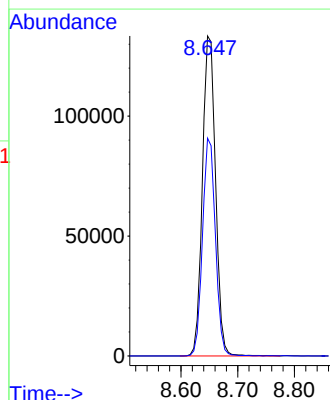
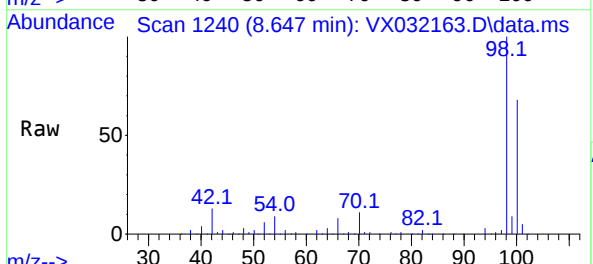
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1017WBL01

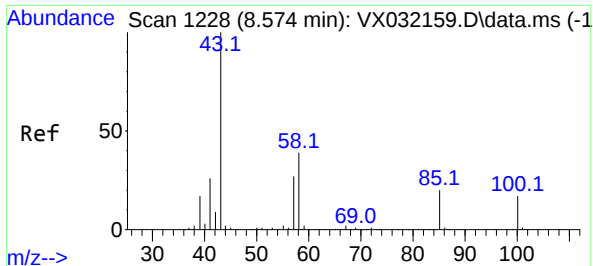
Tgt Ion:117 Resp: 14150  
Ion Ratio Lower Upper  
117 100  
119 5.0 74.6 112.0#  
121 0.0 25.3 37.9#



#50  
Toluene-d8  
Concen: 42.066 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. -0.000 min  
Lab File: VX032163.D  
Acq: 17 Oct 2022 18:59

Tgt Ion: 98 Resp: 214189  
Ion Ratio Lower Upper  
98 100  
100 66.8 52.5 78.7

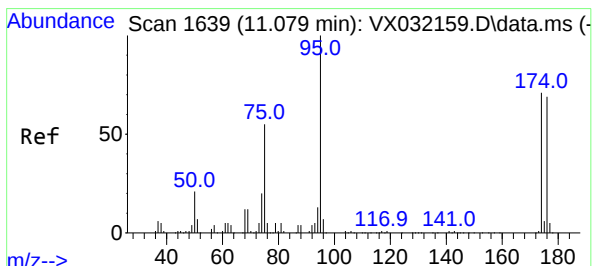
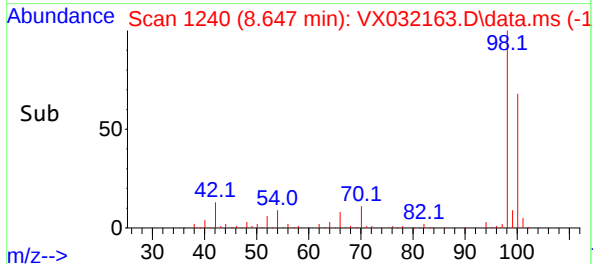
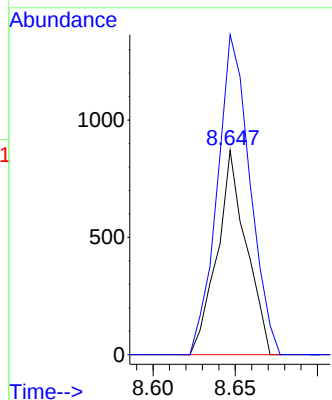
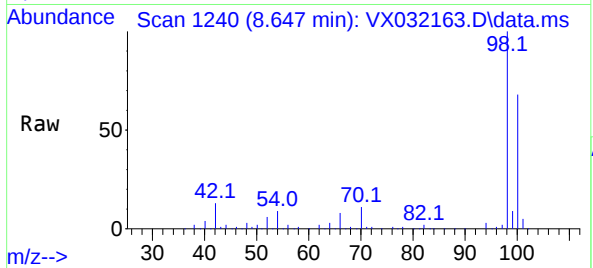




#51  
4-Methyl-2-Pentanone  
Concen: 0.552 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. 0.073 min  
Lab File: VX032163.D  
Acq: 17 Oct 2022 18:59

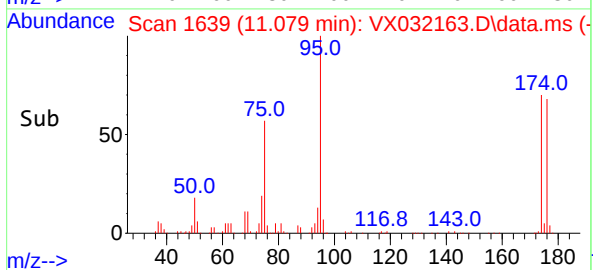
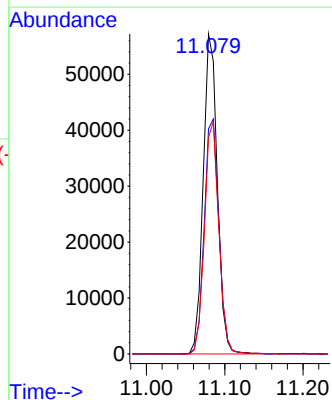
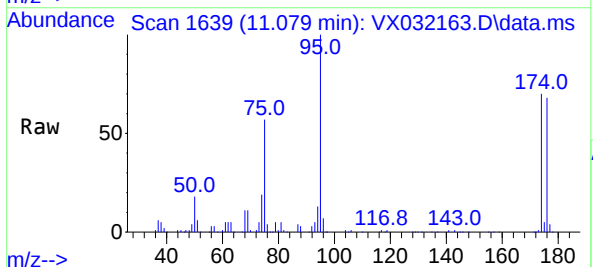
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1017WBL01

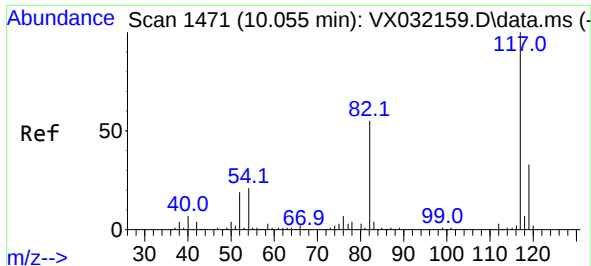
Tgt Ion: 43 Resp: 1075  
Ion Ratio Lower Upper  
43 100  
58 175.8 30.6 46.0#



#62  
4-Bromofluorobenzene  
Concen: 36.893 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX032163.D  
Acq: 17 Oct 2022 18:59

Tgt Ion: 95 Resp: 71523  
Ion Ratio Lower Upper  
95 100  
174 76.5 0.0 153.2  
176 73.8 0.0 144.0

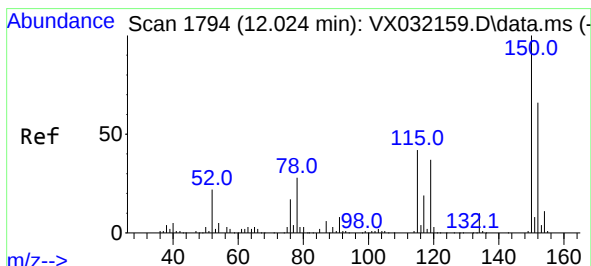
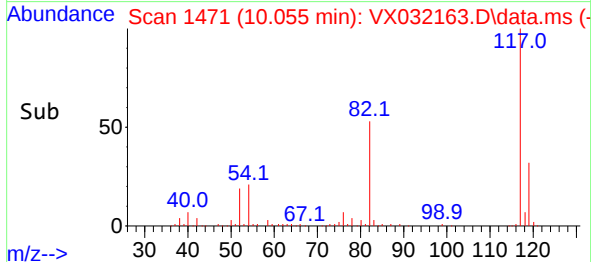
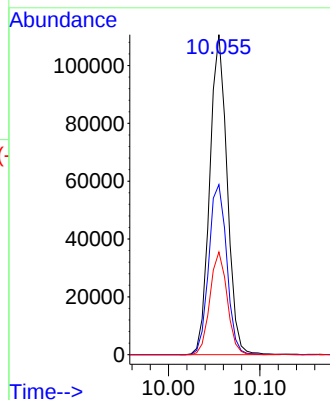
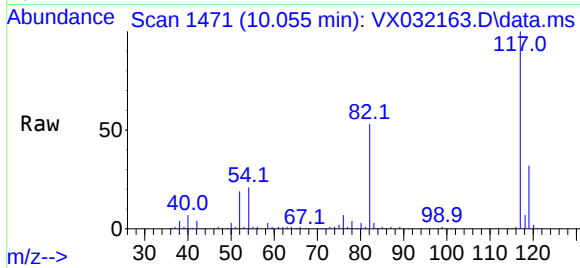




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX032163.D  
Acq: 17 Oct 2022 18:59

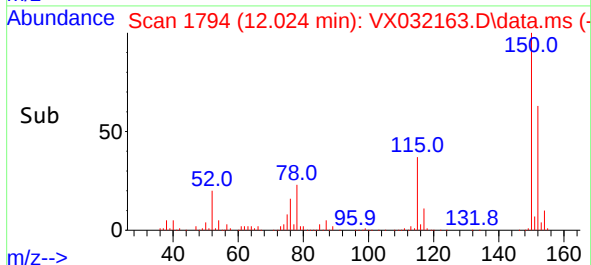
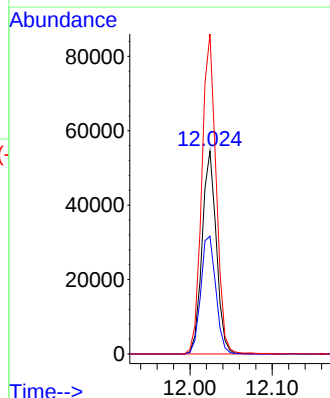
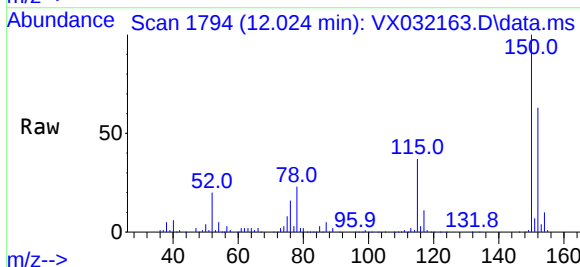
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1017WBL01

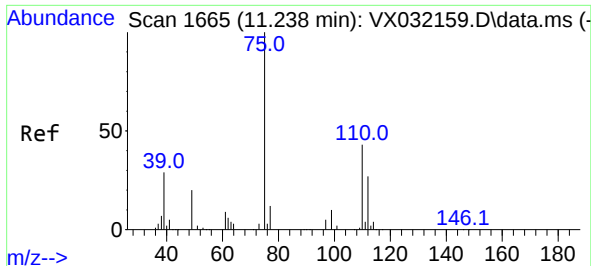
Tgt Ion:117 Resp: 145995  
Ion Ratio Lower Upper  
117 100  
82 53.1 46.8 70.2  
119 32.1 26.4 39.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX032163.D  
Acq: 17 Oct 2022 18:59

Tgt Ion:152 Resp: 65605  
Ion Ratio Lower Upper  
152 100  
115 61.2 43.4 130.1  
150 158.8 0.0 346.8

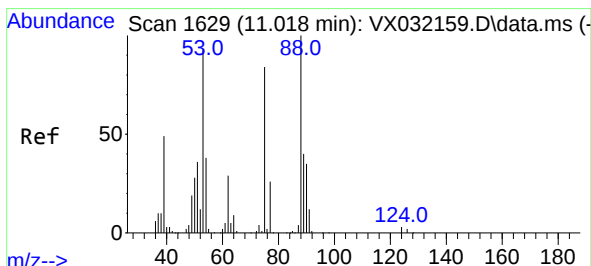
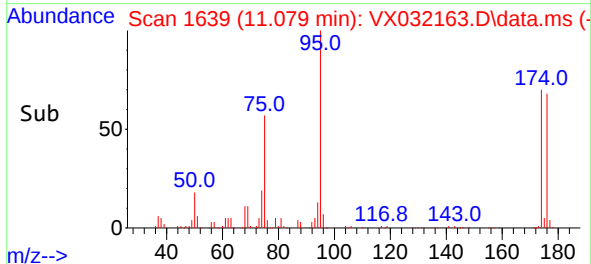
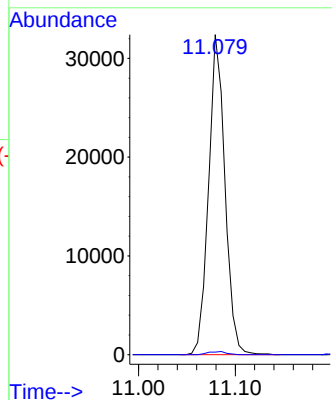
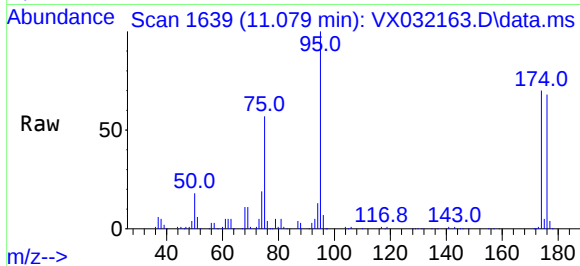




#76  
1,2,3-Trichloropropane  
Concen: 26.825 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.159 min  
Lab File: VX032163.D  
Acq: 17 Oct 2022 18:59

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1017WBL01

Tgt Ion: 75 Resp: 38159  
Ion Ratio Lower Upper  
75 100  
77 1.1 20.3 60.9#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 103.269 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX032163.D  
Acq: 17 Oct 2022 18:59

Tgt Ion: 75 Resp: 38159  
Ion Ratio Lower Upper  
75 100  
53 0.0 77.6 116.4#  
89 0.0 37.4 56.0#

