

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX012523\  
 Data File : VX033895.D  
 Acq On : 25 Jan 2023 18:07  
 Operator : JC/MD  
 Sample : 01308-13  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Jan 26 06:03:03 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X011123W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 11 14:48:42 2023  
 Response via : Initial Calibration

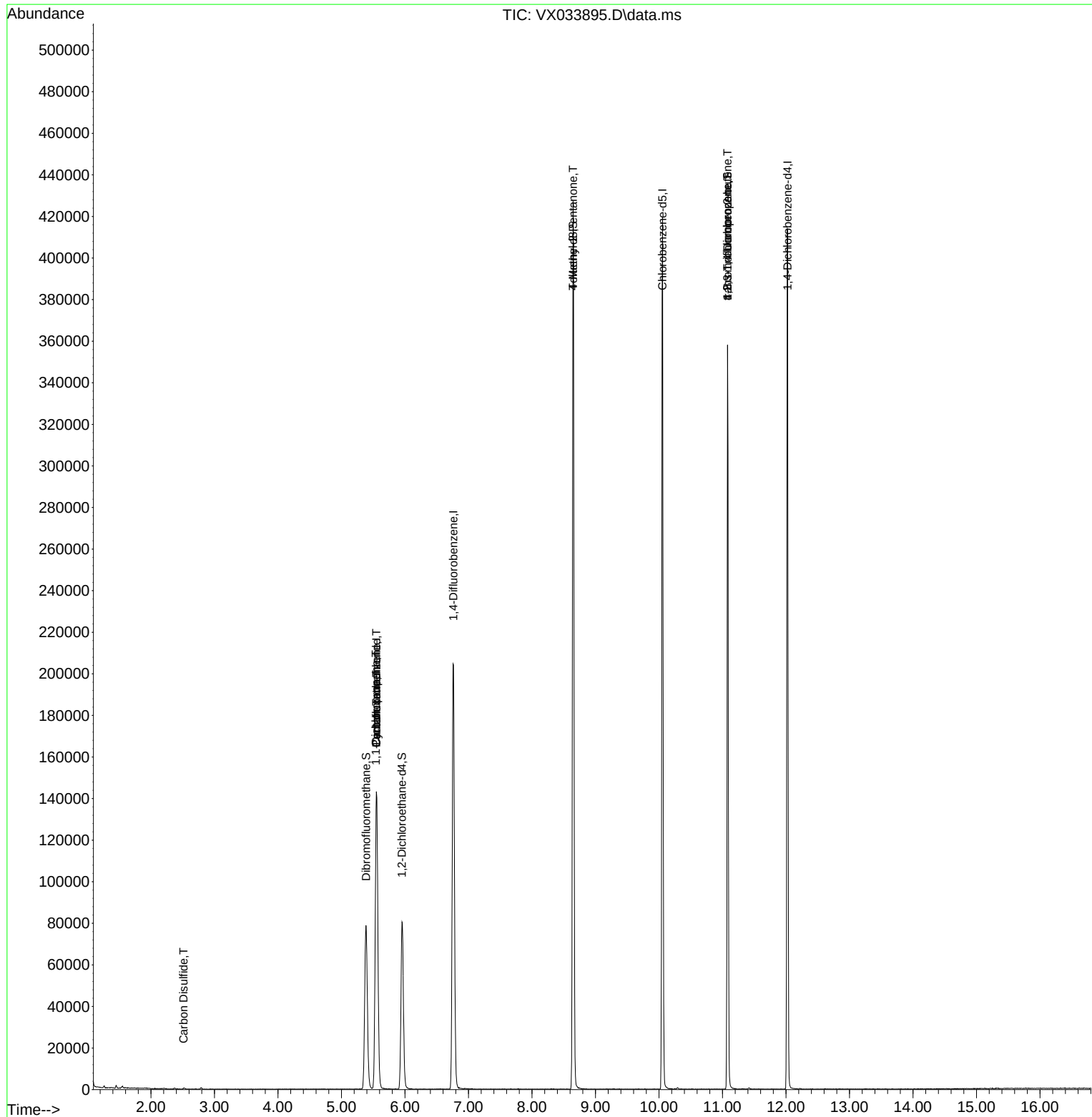
| Compound                      | R.T.           | QIon | Response   | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|--------|----------|
| -----                         |                |      |            |           |        |          |
| Internal Standards            |                |      |            |           |        |          |
| 1) Pentafluorobenzene         | 5.550          | 168  | 158927     | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763          | 114  | 229584     | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 204717     | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 98591      | 50.000    | ug/l   | 0.00     |
|                               |                |      |            |           |        |          |
| System Monitoring Compounds   |                |      |            |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.952          | 65   | 77316      | 46.204    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 78 - 117 |      | Recovery = | 92.400%   |        |          |
| 35) Dibromofluoromethane      | 5.385          | 113  | 70435      | 49.408    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = | 98.820%   |        |          |
| 50) Toluene-d8                | 8.647          | 98   | 263011     | 50.636    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 92 - 112 |      | Recovery = | 101.280%  |        |          |
| 62) 4-Bromofluorobenzene      | 11.079         | 95   | 92066      | 47.740    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = | 95.480%   |        |          |
|                               |                |      |            |           |        |          |
| Target Compounds              |                |      |            |           |        |          |
| 16) Acetone                   | 2.374          | 43   | 533        | Below Cal | #      | 88       |
| 17) Carbon Disulfide          | 2.514          | 76   | 82         | 1.846     | ug/l # | 76       |
| 20) Methylene Chloride        | 2.800          | 84   | 292        | Below Cal | #      | 86       |
| 31) Cyclohexane               | 5.550          | 56   | 2312       | 0.939     | ug/l # | 12       |
| 36) 1,1-Dichloropropene       | 5.544          | 75   | 9599       | 4.614     | ug/l # | 48       |
| 38) Carbon Tetrachloride      | 5.550          | 117  | 13835      | 6.420     | ug/l # | 16       |
| 51) 4-Methyl-2-Pentanone      | 8.647          | 43   | 1031       | 0.511     | ug/l # | 1        |
| 73) Isopropylbenzene          | 11.079         | 105  | 79         | Below Cal | #      | 48       |
| 76) 1,2,3-Trichloropropane    | 11.079         | 75   | 41910      | 23.136    | ug/l # | 34       |
| 79) 2-Chlorotoluene           | 11.311         | 91   | 21         | Below Cal | #      | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.079         | 75   | 41910      | 71.904    | ug/l # | 8        |
| 82) 4-Chlorotoluene           | 11.311         | 91   | 21         | Below Cal | #      | 43       |
| -----                         |                |      |            |           |        |          |

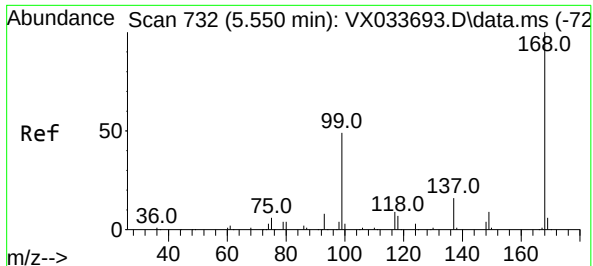
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX012523\  
Data File : VX033895.D  
Acq On : 25 Jan 2023 18:07  
Operator : JC/MD  
Sample : 01308-13  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

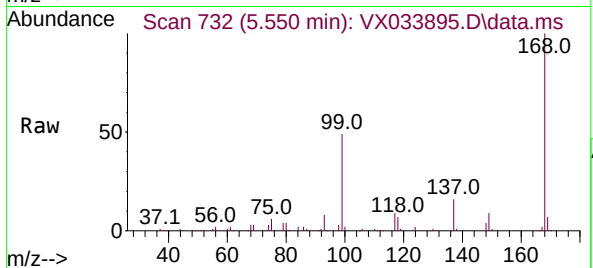
Quant Time: Jan 26 06:03:03 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X011123W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jan 11 14:48:42 2023  
Response via : Initial Calibration



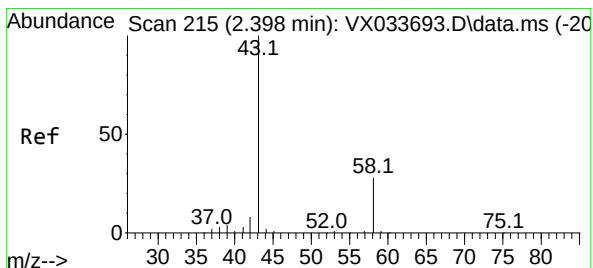
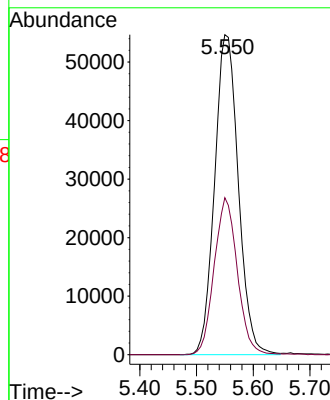
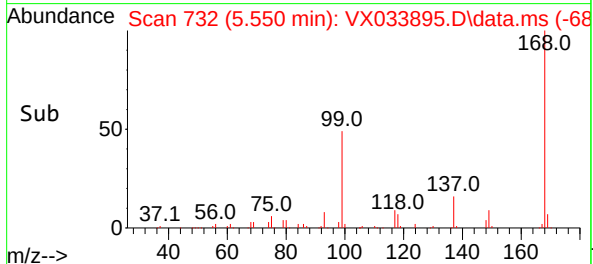


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX033895.D  
Acq: 25 Jan 2023 18:07

Instrument :  
MSVOA\_X  
ClientSampleId :

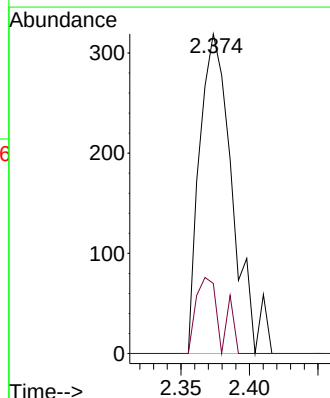
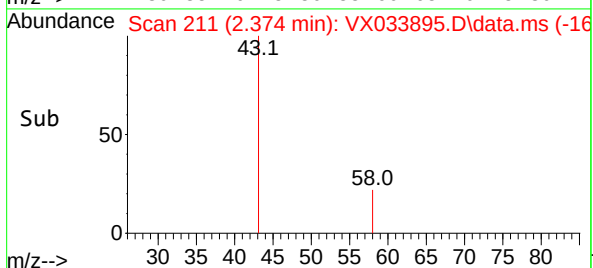
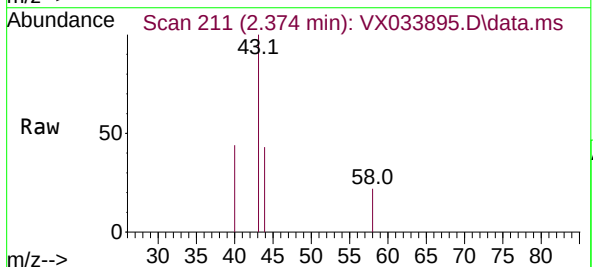


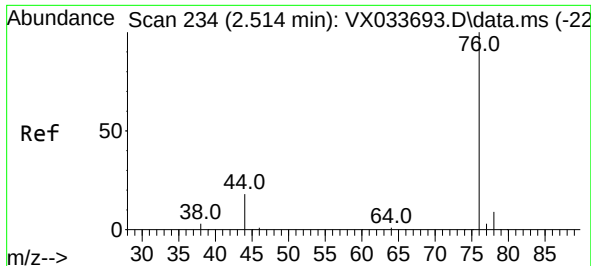
Tgt Ion:168 Resp: 158927  
Ion Ratio Lower Upper  
168 100  
99 49.1 39.6 59.4



#16  
Acetone  
Concen: Below Cal  
RT: 2.374 min Scan# 211  
Delta R.T. -0.024 min  
Lab File: VX033895.D  
Acq: 25 Jan 2023 18:07

Tgt Ion: 43 Resp: 533  
Ion Ratio Lower Upper  
43 100  
58 21.9 22.6 33.8#





#17

Carbon Disulfide

Concen: 1.846 ug/l

RT: 2.514 min Scan# 21

Delta R.T. -0.000 min

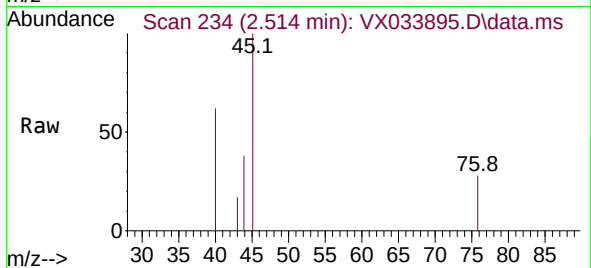
Lab File: VX033895.D

Acq: 25 Jan 2023 18:07

Instrument :

MSVOA\_X

ClientSampleId :

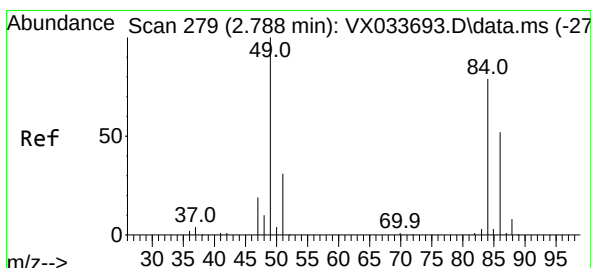
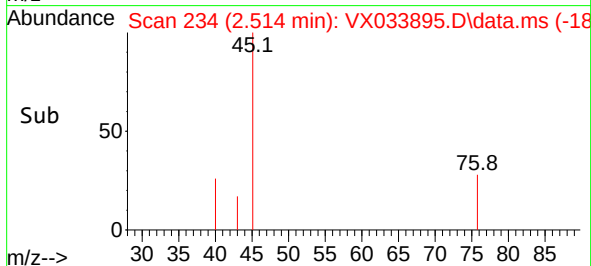
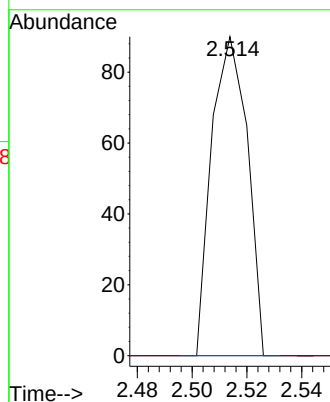


Tgt Ion: 76 Resp: 82

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.800 min Scan# 281

Delta R.T. 0.012 min

Lab File: VX033895.D

Acq: 25 Jan 2023 18:07

Tgt Ion: 84 Resp: 292

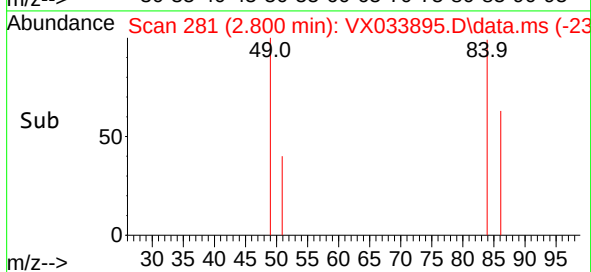
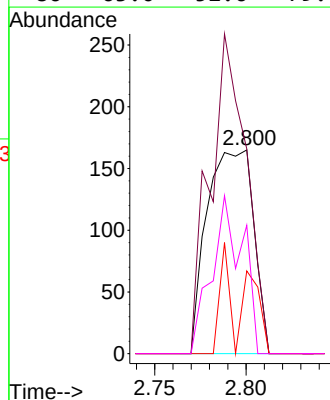
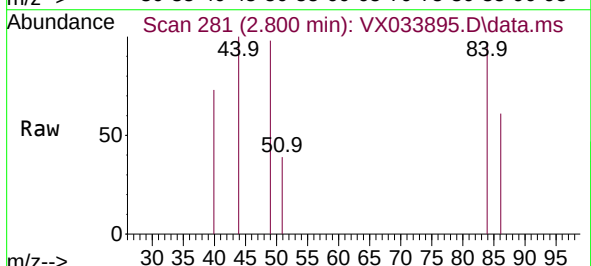
Ion Ratio Lower Upper

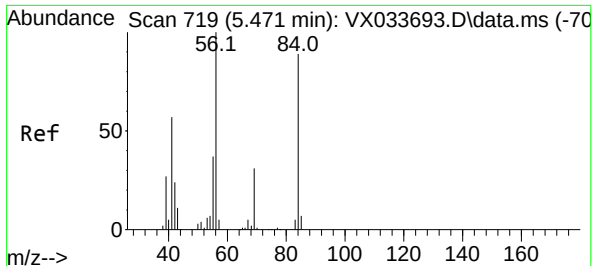
84 100

49 100.6 101.1 151.7#

51 40.6 31.0 46.6

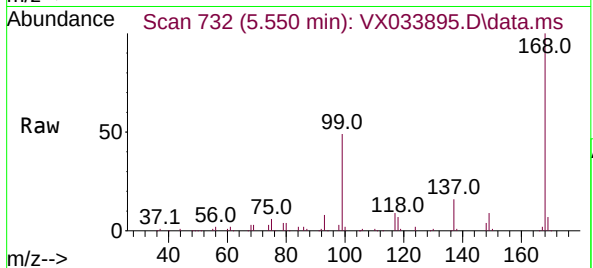
86 63.0 52.6 79.0



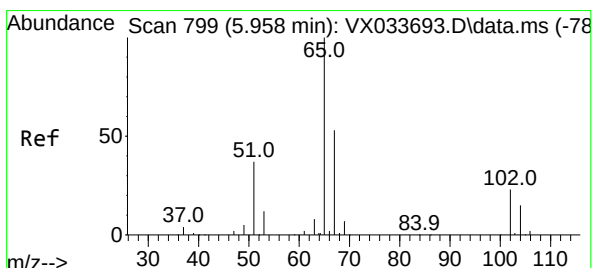
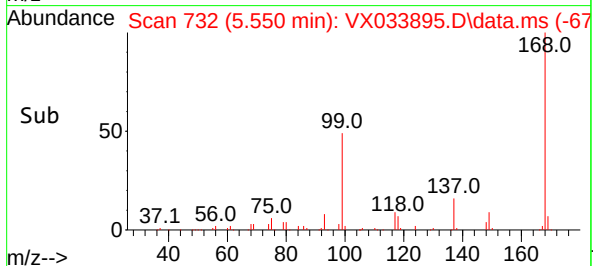
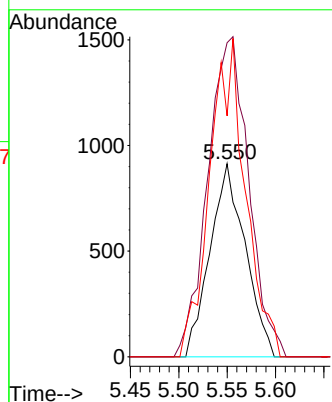


#31  
Cyclohexane  
Concen: 0.939 ug/l  
RT: 5.550 min Scan# 719  
Delta R.T. 0.079 min  
Lab File: VX033895.D  
Acq: 25 Jan 2023 18:07

Instrument :  
MSVOA\_X  
ClientSampleId :

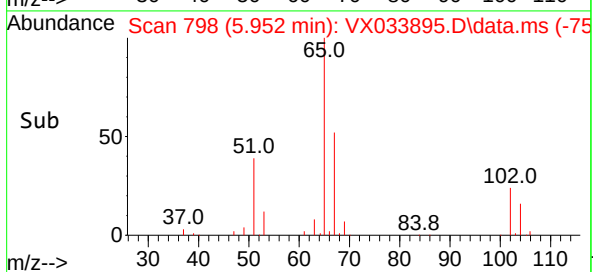
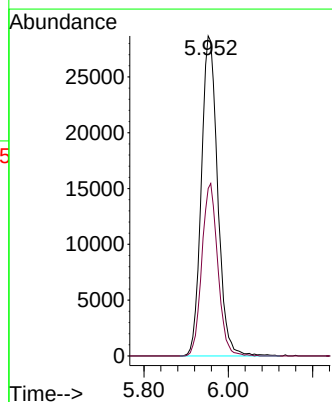
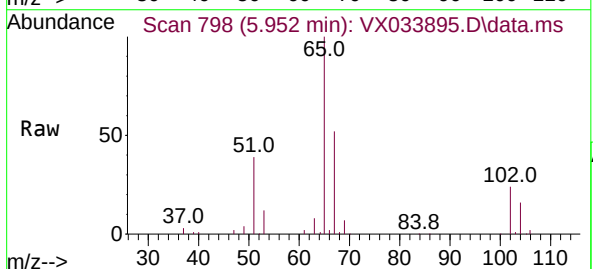


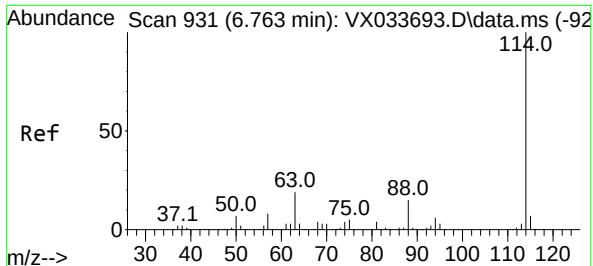
Tgt Ion: 56 Resp: 2312  
Ion Ratio Lower Upper  
56 100  
69 156.7 24.6 37.0#  
84 124.7 71.0 106.6#



#33  
1,2-Dichloroethane-d4  
Concen: 46.204 ug/l  
RT: 5.952 min Scan# 798  
Delta R.T. -0.006 min  
Lab File: VX033895.D  
Acq: 25 Jan 2023 18:07

Tgt Ion: 65 Resp: 77316  
Ion Ratio Lower Upper  
65 100  
67 52.6 0.0 104.8

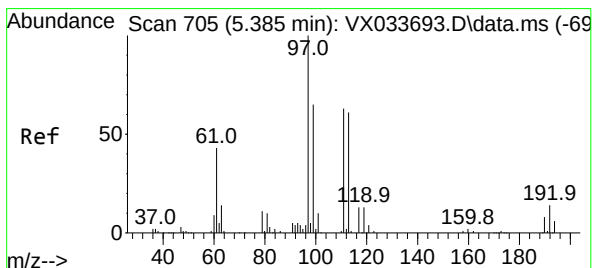
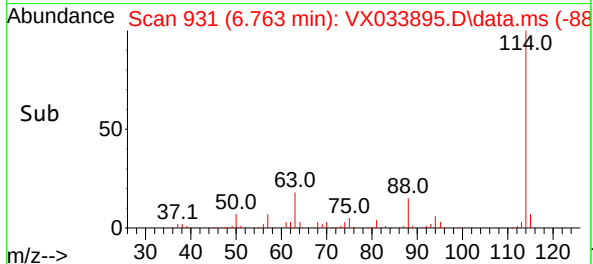
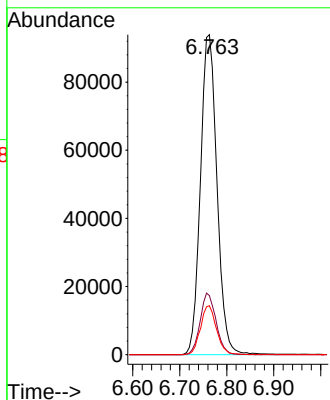
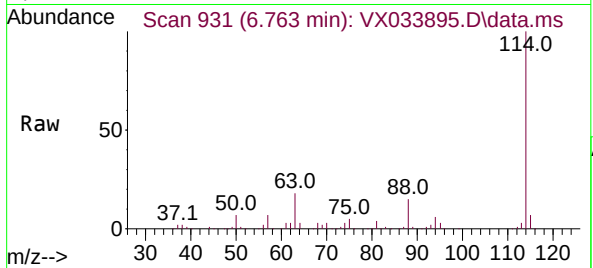




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 911  
Delta R.T. 0.000 min  
Lab File: VX033895.D  
Acq: 25 Jan 2023 18:07

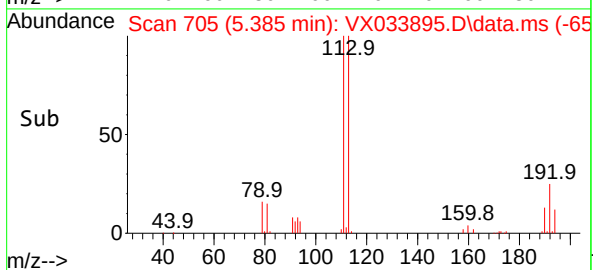
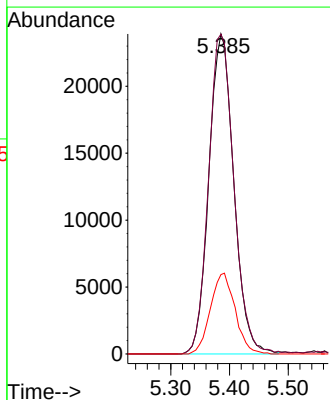
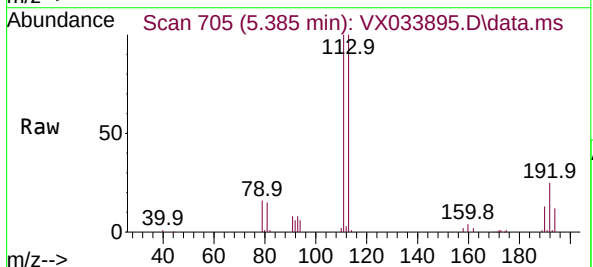
Instrument :  
MSVOA\_X  
ClientSampleId :

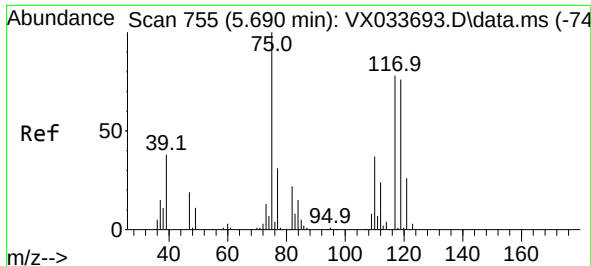
Tgt Ion:114 Resp: 229584  
Ion Ratio Lower Upper  
114 100  
63 18.5 0.0 37.4  
88 15.3 0.0 30.6



#35  
Dibromofluoromethane  
Concen: 49.408 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. -0.000 min  
Lab File: VX033895.D  
Acq: 25 Jan 2023 18:07

Tgt Ion:113 Resp: 70435  
Ion Ratio Lower Upper  
113 100  
111 101.8 83.0 124.6  
192 25.0 19.0 28.4





#36

1,1-Dichloropropene

Concen: 4.614 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX033895.D

Acq: 25 Jan 2023 18:07

Instrument :

MSVOA\_X

ClientSampleId :

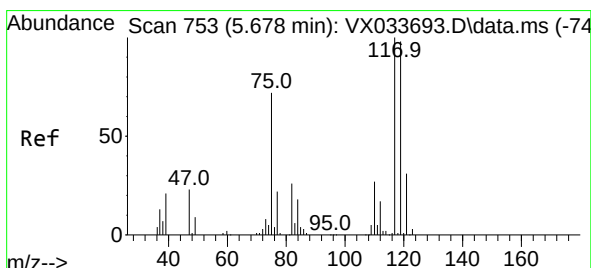
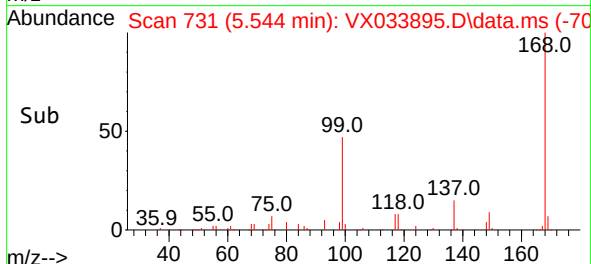
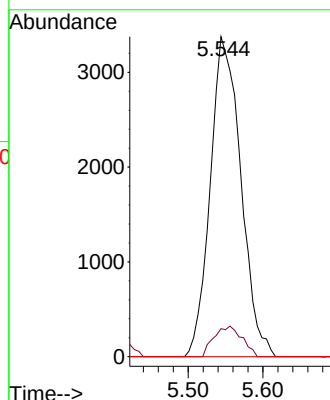
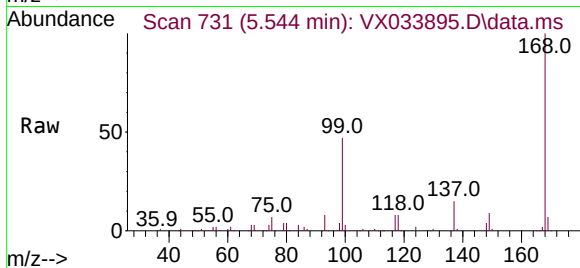
Tgt Ion: 75 Resp: 9599

Ion Ratio Lower Upper

75 100

110 8.8 18.8 56.4#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.420 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX033895.D

Acq: 25 Jan 2023 18:07

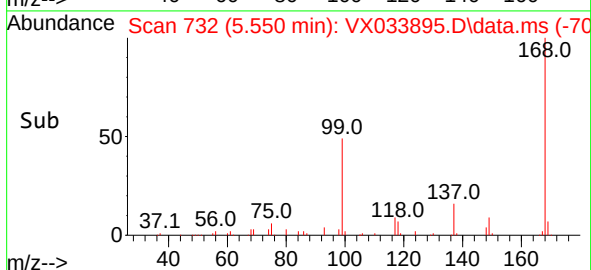
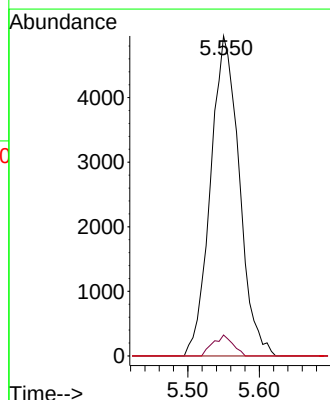
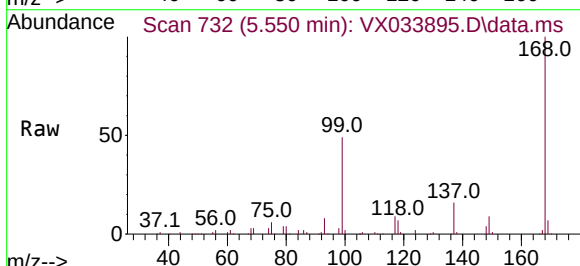
Tgt Ion: 117 Resp: 13835

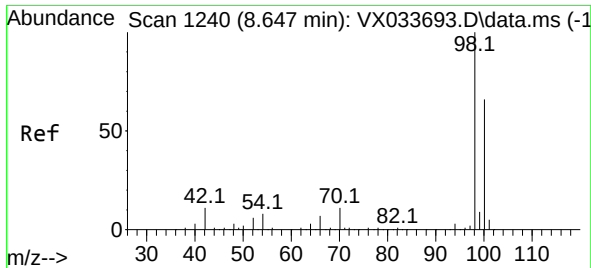
Ion Ratio Lower Upper

117 100

119 6.5 78.0 117.0#

121 0.0 24.4 36.6#

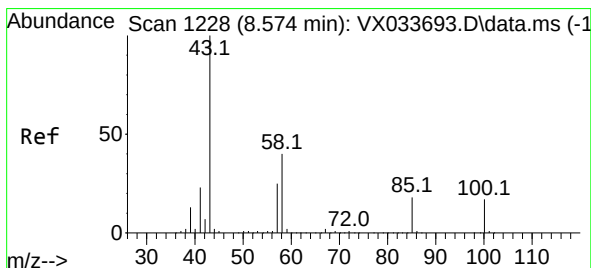
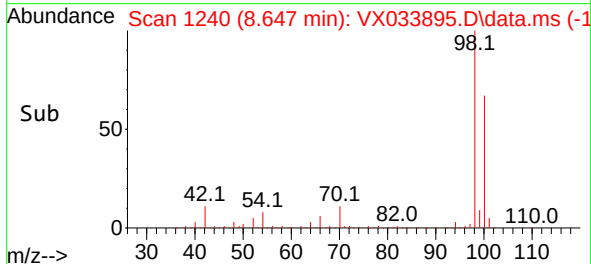
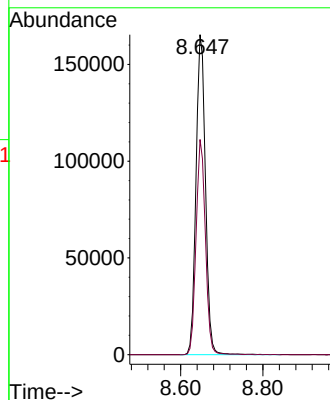
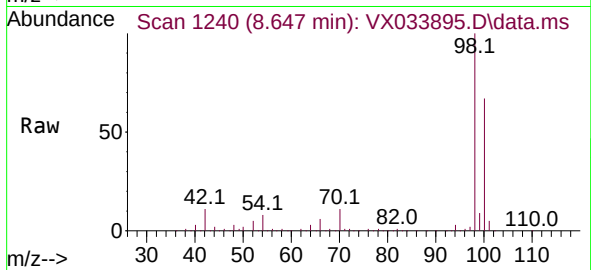




#50  
Toluene-d8  
Concen: 50.636 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. -0.000 min  
Lab File: VX033895.D  
Acq: 25 Jan 2023 18:07

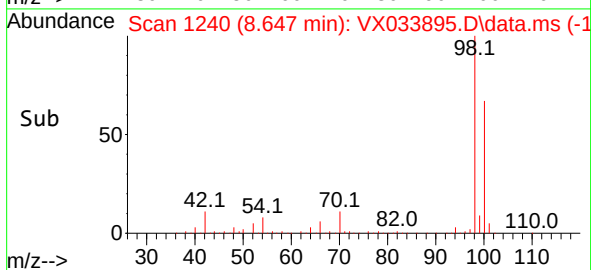
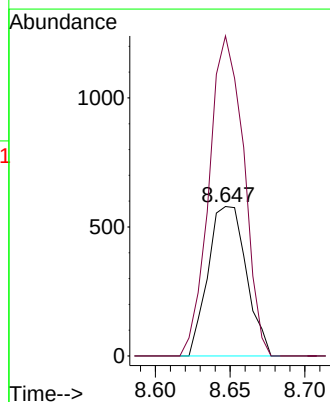
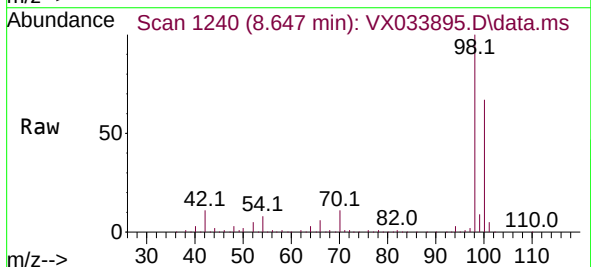
Instrument :  
MSVOA\_X  
ClientSampleId :

Tgt Ion: 98 Resp: 263011  
Ion Ratio Lower Upper  
98 100  
100 66.6 53.6 80.4

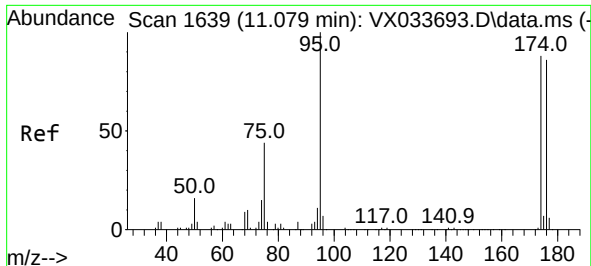


#51  
4-Methyl-2-Pentanone  
Concen: 0.511 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.073 min  
Lab File: VX033895.D  
Acq: 25 Jan 2023 18:07

Tgt Ion: 43 Resp: 1031  
Ion Ratio Lower Upper  
43 100  
58 194.1 31.2 46.8#







#62

4-Bromofluorobenzene

Concen: 47.740 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX033895.D

Acq: 25 Jan 2023 18:07

Instrument :

MSVOA\_X

ClientSampleId :

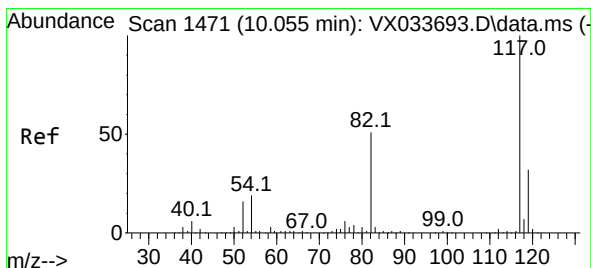
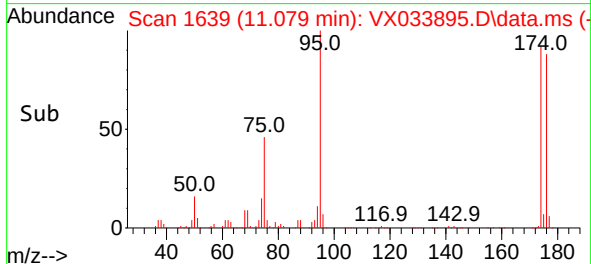
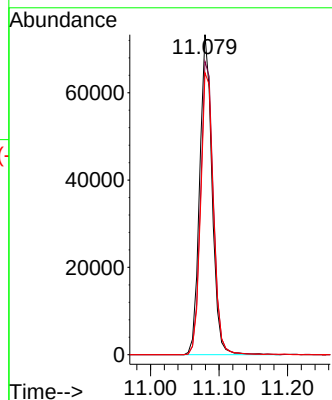
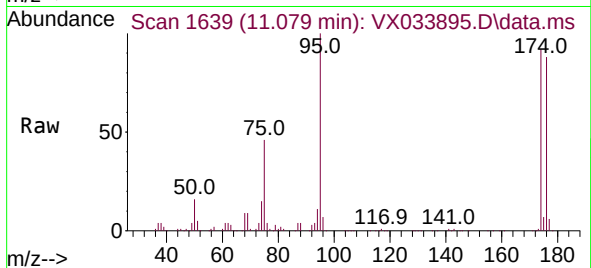
Tgt Ion: 95 Resp: 92066

Ion Ratio Lower Upper

95 100

174 95.1 0.0 184.4

176 91.3 0.0 178.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX033895.D

Acq: 25 Jan 2023 18:07

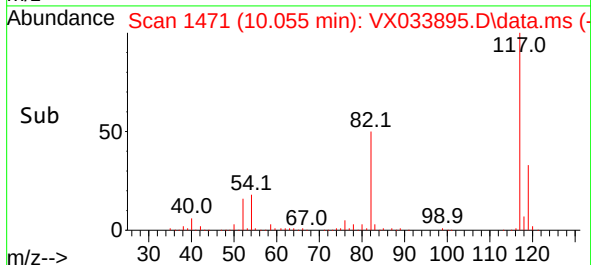
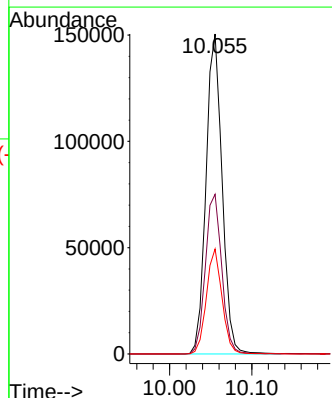
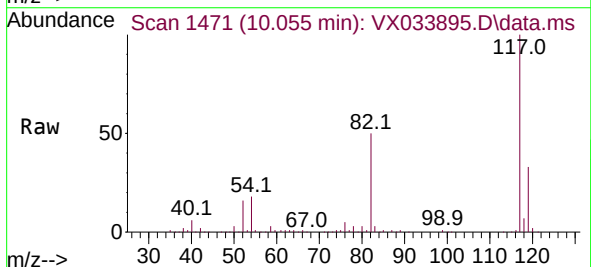
Tgt Ion: 117 Resp: 204717

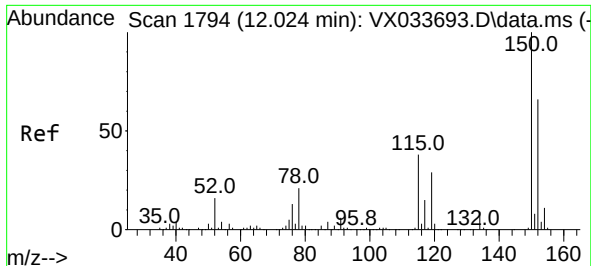
Ion Ratio Lower Upper

117 100

82 49.9 40.6 60.8

119 32.8 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX033895.D

Acq: 25 Jan 2023 18:07

Instrument :

MSVOA\_X

ClientSampleId :

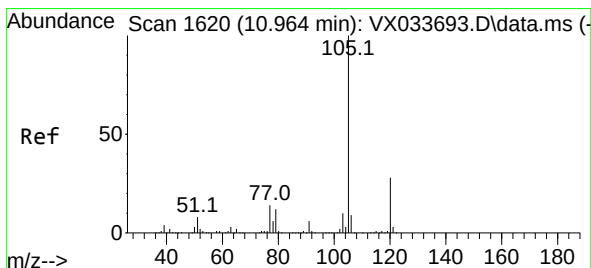
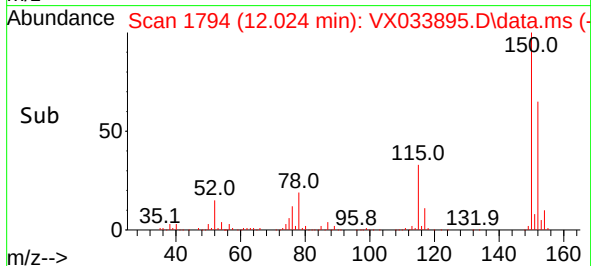
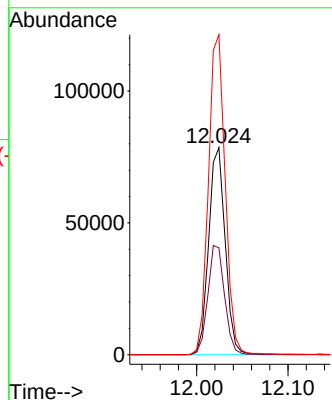
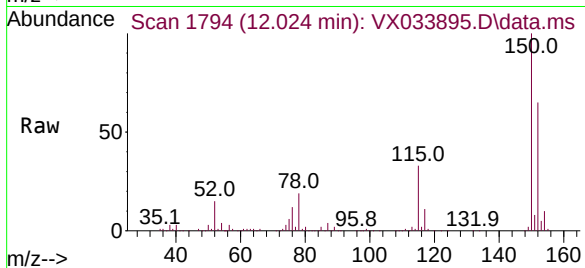
Tgt Ion:152 Resp: 98591

Ion Ratio Lower Upper

152 100

115 53.5 38.7 116.1

150 156.5 0.0 348.2



#73

Isopropylbenzene

Concen: Below Cal

RT: 11.079 min Scan# 1639

Delta R.T. 0.115 min

Lab File: VX033895.D

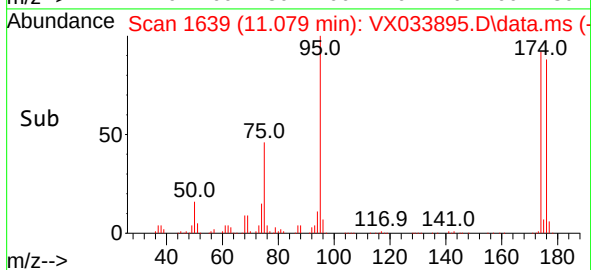
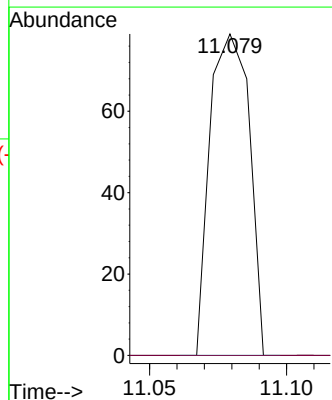
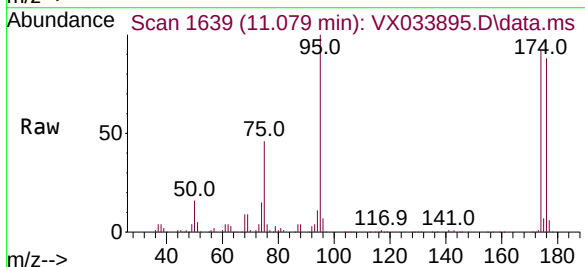
Acq: 25 Jan 2023 18:07

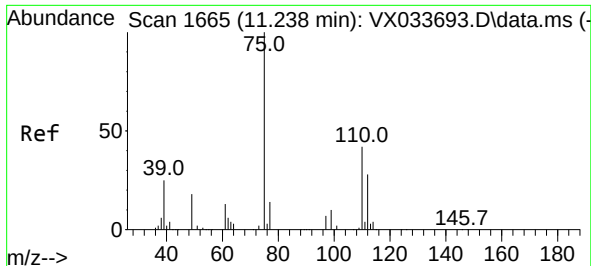
Tgt Ion:105 Resp: 79

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.8#

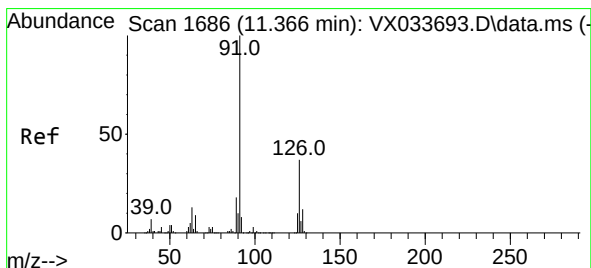
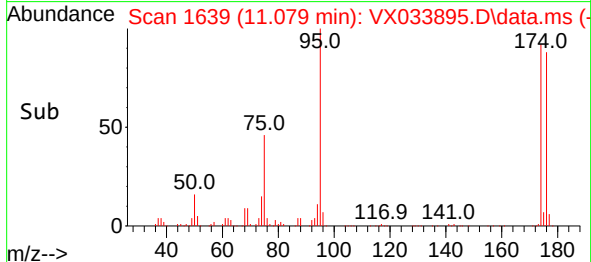
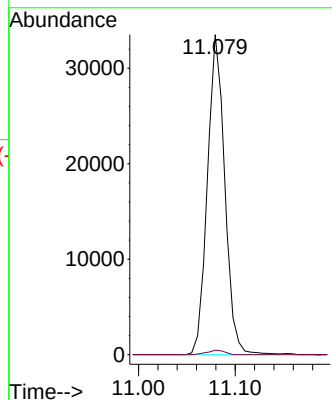
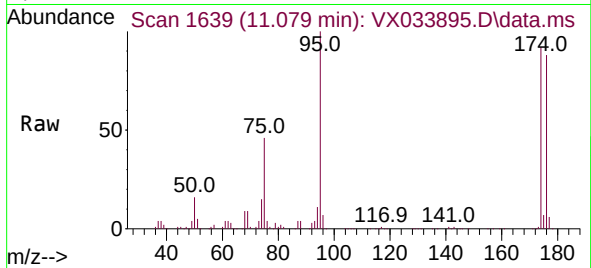




#76  
1,2,3-Trichloropropane  
Concen: 23.136 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.159 min  
Lab File: VX033895.D  
Acq: 25 Jan 2023 18:07

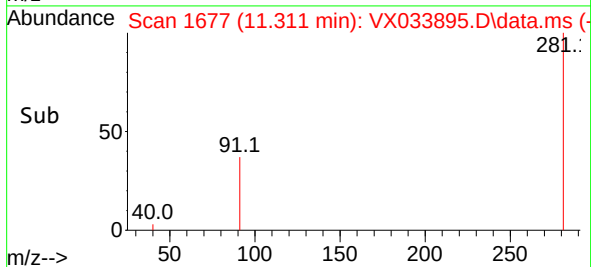
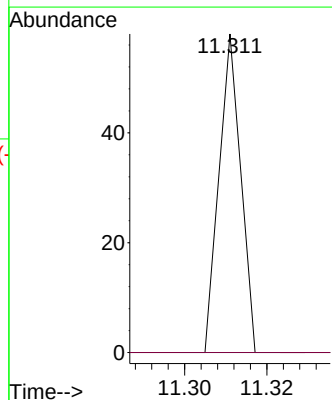
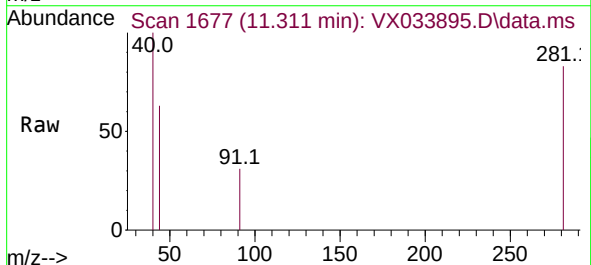
Instrument :  
MSVOA\_X  
ClientSampleId :

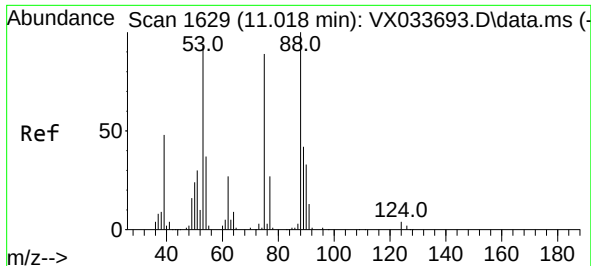
Tgt Ion: 75 Resp: 41910  
Ion Ratio Lower Upper  
75 100  
77 1.4 21.8 65.4#



#79  
2-Chlorotoluene  
Concen: Below Cal  
RT: 11.311 min Scan# 1677  
Delta R.T. -0.055 min  
Lab File: VX033895.D  
Acq: 25 Jan 2023 18:07

Tgt Ion: 91 Resp: 21  
Ion Ratio Lower Upper  
91 100  
126 0.0 18.1 54.1#

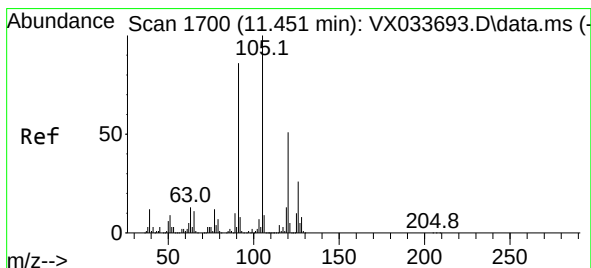
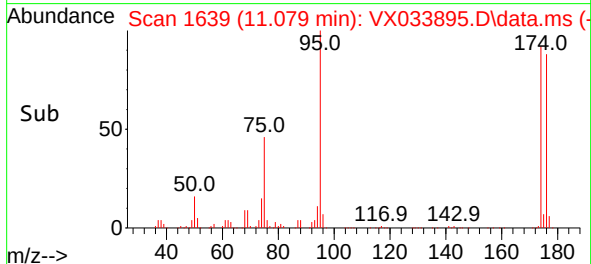
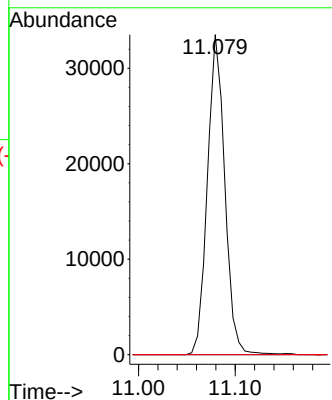
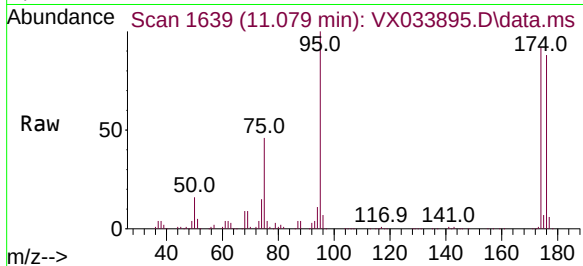




#81  
trans-1,4-Dichloro-2-butene  
Concen: 71.904 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX033895.D  
Acq: 25 Jan 2023 18:07

Instrument :  
MSVOA\_X  
ClientSampleId :

Tgt Ion: 75 Resp: 41910  
Ion Ratio Lower Upper  
75 100  
53 0.0 83.0 124.6#  
89 0.0 37.7 56.5#



#82  
4-Chlorotoluene  
Concen: Below Cal  
RT: 11.311 min Scan# 1677  
Delta R.T. -0.140 min  
Lab File: VX033895.D  
Acq: 25 Jan 2023 18:07

Tgt Ion: 91 Resp: 21  
Ion Ratio Lower Upper  
91 100  
126 0.0 15.8 47.4#

