

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX100622\  
 Data File : VX031926.D  
 Acq On : 06 Oct 2022 18:32  
 Operator : JC/MD  
 Sample : N4919-01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Oct 07 08:07:57 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X100622W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 06 14:28:46 2022  
 Response via : Initial Calibration

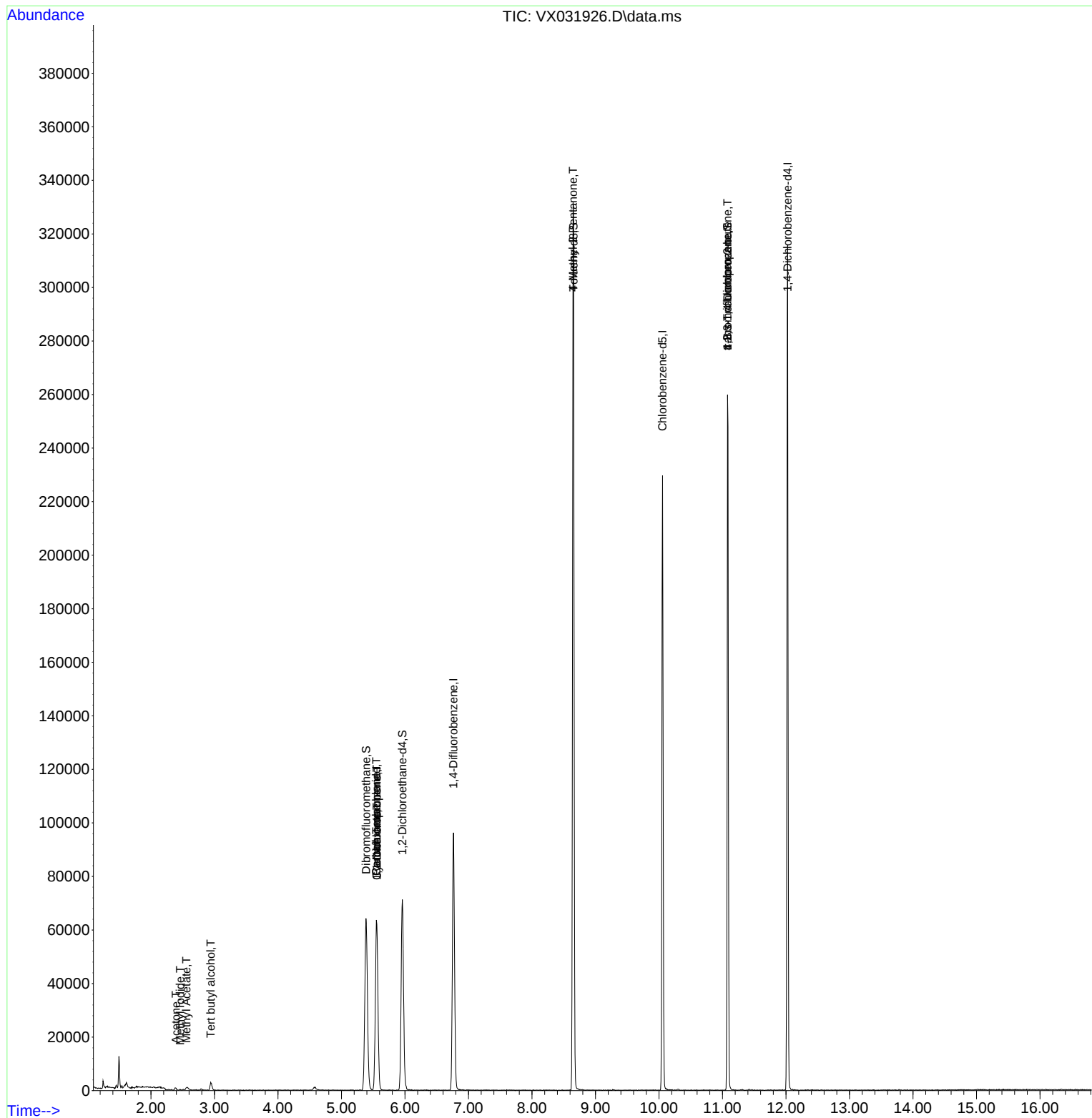
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 5.550  | 168   | 59394    | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 98861    | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 104022   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 63514    | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 67166    | 54.757    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery  | = 109.520% |          |
| 35) Dibromofluoromethane      | 5.385  | 113   | 55346    | 49.458    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | = 98.920%  |          |
| 50) Toluene-d8                | 8.653  | 98    | 201039   | 49.926    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery  | = 99.860%  |          |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 68140    | 47.866    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery  | = 95.740%  |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 5) Bromomethane               | 1.612  | 94    | 496      | Below Cal |            | 99       |
| 10) Methyl Iodide             | 2.459  | 142   | 213      | 2.956     | ug/l #     | 84       |
| 11) Tert butyl alcohol        | 2.941  | 59    | 1856     | 12.162    | ug/l #     | 73       |
| 16) Acetone                   | 2.392  | 43    | 1069     | 2.564     | ug/l #     | 80       |
| 18) Methyl Acetate            | 2.557  | 43    | 395      | 0.287     | ug/l #     | 52       |
| 31) Cyclohexane               | 5.556  | 56    | 1348     | 0.920     | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 5.556  | 75    | 4526     | 3.050     | ug/l #     | 48       |
| 38) Carbon Tetrachloride      | 5.550  | 117   | 6528     | 4.302     | ug/l #     | 13       |
| 51) 4-Methyl-2-Pentanone      | 8.647  | 43    | 840      | 0.598     | ug/l #     | 1        |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 34905    | 26.815    | ug/l #     | 37       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 34905    | 91.906    | ug/l #     | 11       |
| -----                         |        |       |          |           |            |          |

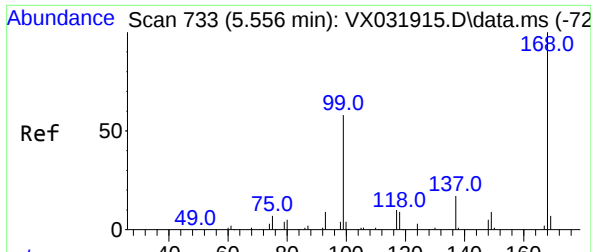
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : N4919-01  
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ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

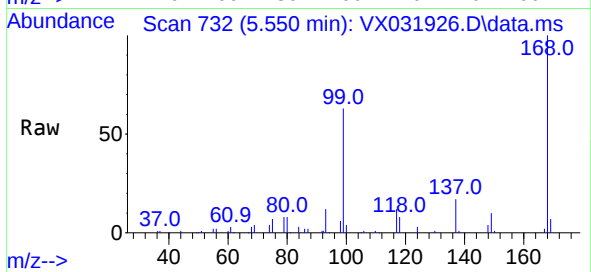
Quant Time: Oct 07 08:07:57 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X100622W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 06 14:28:46 2022  
Response via : Initial Calibration



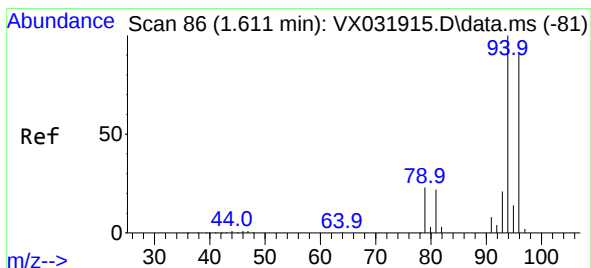
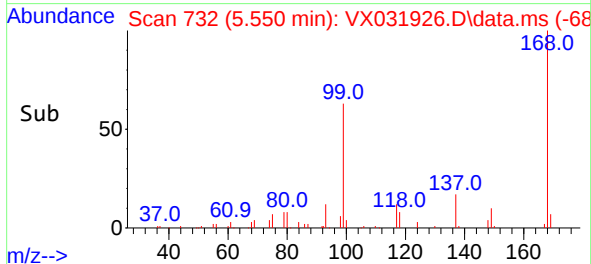
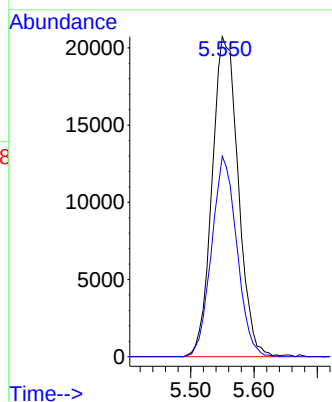


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: VX031926.D  
Acq: 06 Oct 2022 18:32

Instrument :  
MSVOA\_X  
ClientSampleId :

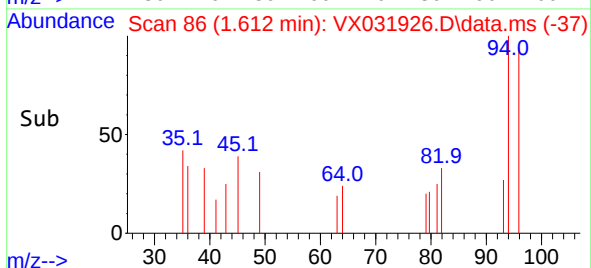
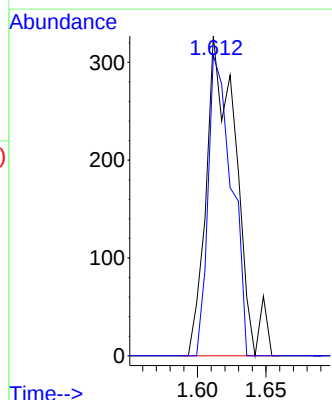
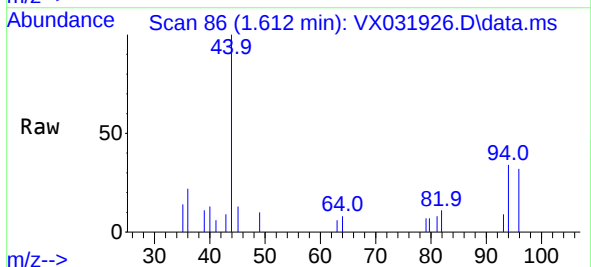


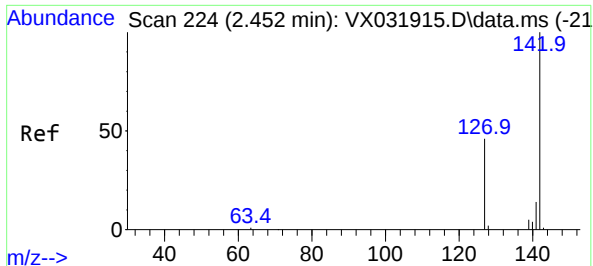
Tgt Ion:168 Resp: 59394  
Ion Ratio Lower Upper  
168 100  
99 62.7 48.8 73.2



#5  
Bromomethane  
Concen: Below Cal  
RT: 1.612 min Scan# 86  
Delta R.T. 0.001 min  
Lab File: VX031926.D  
Acq: 06 Oct 2022 18:32

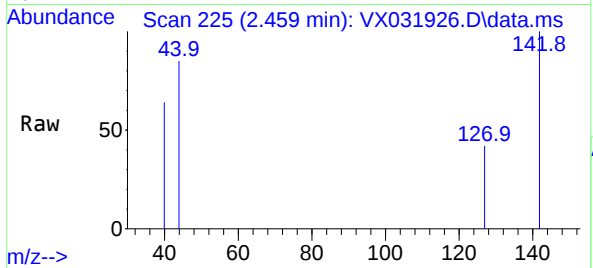
Tgt Ion: 94 Resp: 496  
Ion Ratio Lower Upper  
94 100  
96 93.9 74.4 111.6



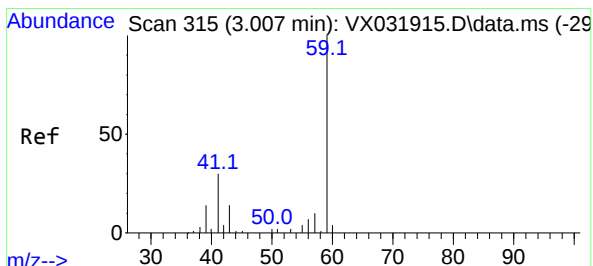
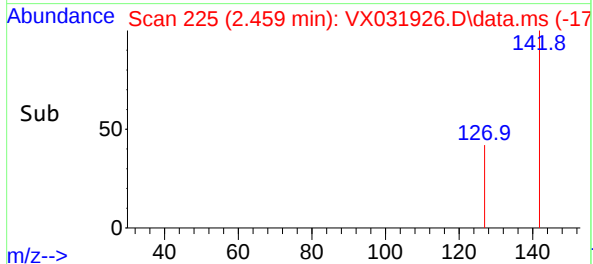
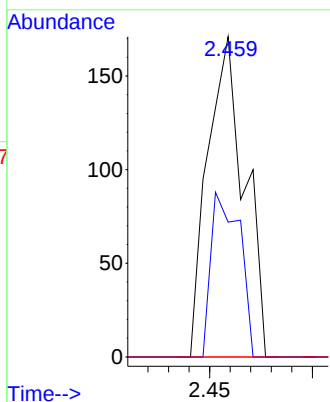


#10  
Methyl Iodide  
Concen: 2.956 ug/l  
RT: 2.459 min Scan# 21  
Delta R.T. 0.007 min  
Lab File: VX031926.D  
Acq: 06 Oct 2022 18:32

Instrument :  
MSVOA\_X  
ClientSampleId :

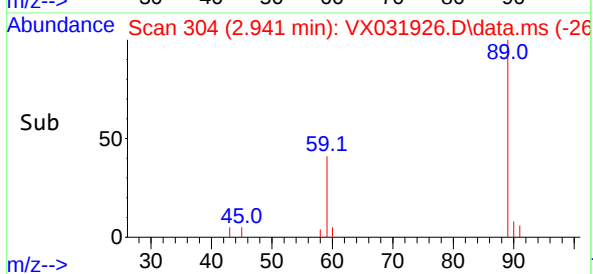
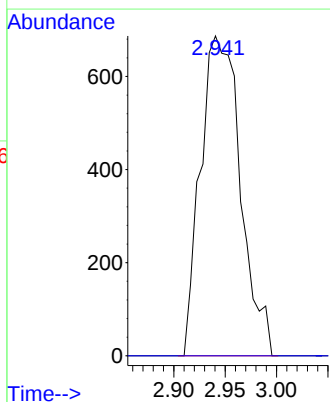
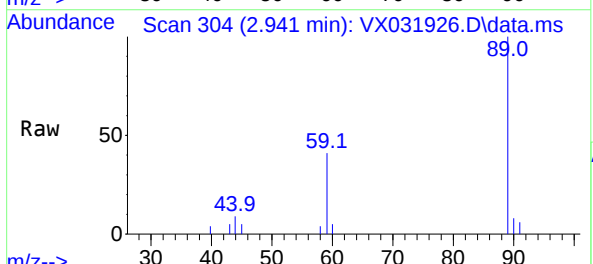


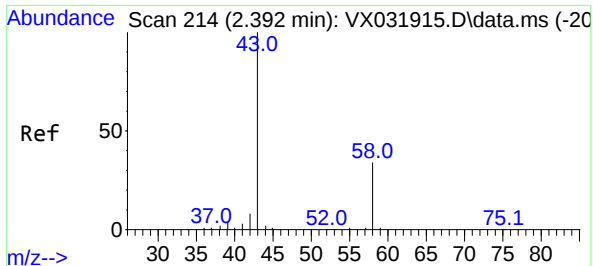
Tgt Ion:142 Resp: 213  
Ion Ratio Lower Upper  
142 100  
127 39.9 37.4 56.0  
141 0.0 11.6 17.4#



#11  
Tert butyl alcohol  
Concen: 12.162 ug/l  
RT: 2.941 min Scan# 304  
Delta R.T. -0.066 min  
Lab File: VX031926.D  
Acq: 06 Oct 2022 18:32

Tgt Ion: 59 Resp: 1856  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.2 12.2#

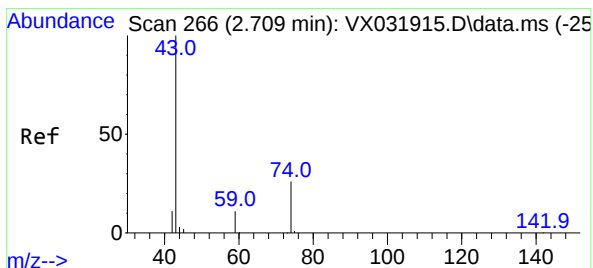
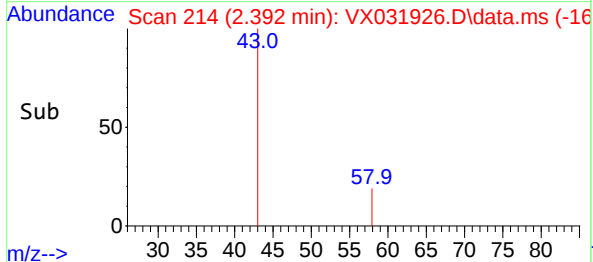
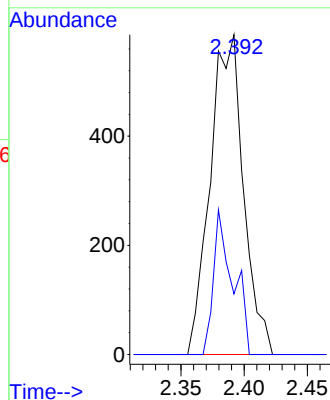
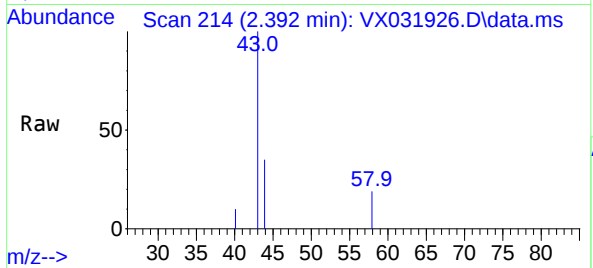




#16  
Acetone  
Concen: 2.564 ug/l  
RT: 2.392 min Scan# 214  
Delta R.T. -0.000 min  
Lab File: VX031926.D  
Acq: 06 Oct 2022 18:32

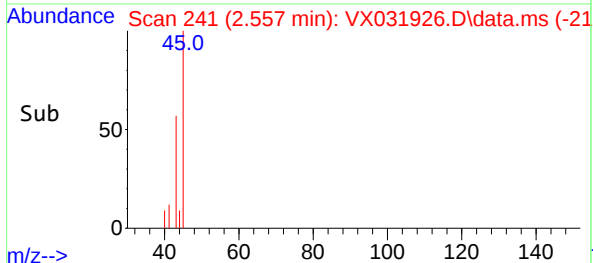
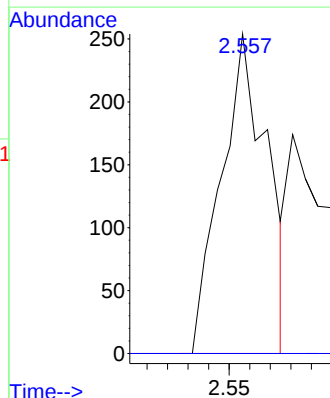
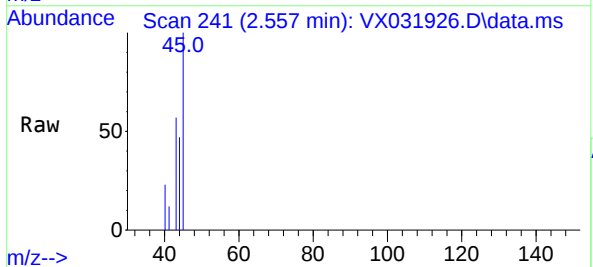
Instrument :  
MSVOA\_X  
ClientSampleId :

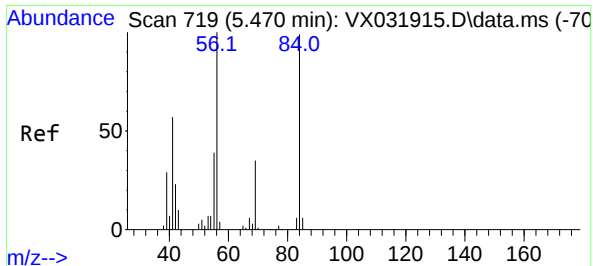
Tgt Ion: 43 Resp: 1069  
Ion Ratio Lower Upper  
43 100  
58 18.9 23.8 35.8#



#18  
Methyl Acetate  
Concen: 0.287 ug/l  
RT: 2.557 min Scan# 241  
Delta R.T. -0.152 min  
Lab File: VX031926.D  
Acq: 06 Oct 2022 18:32

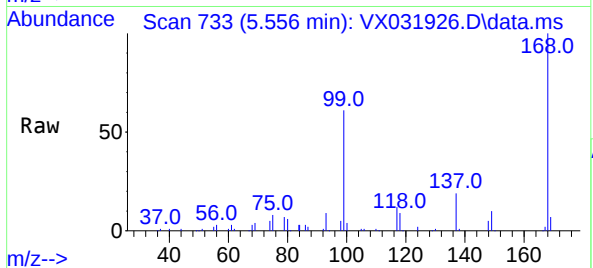
Tgt Ion: 43 Resp: 395  
Ion Ratio Lower Upper  
43 100  
74 0.0 18.6 27.8#



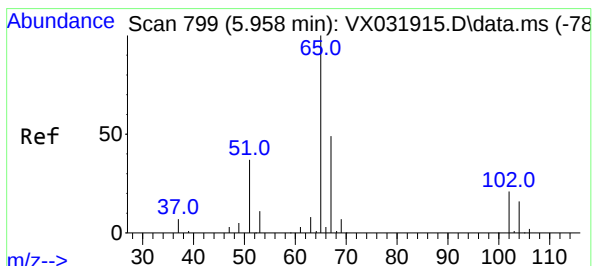
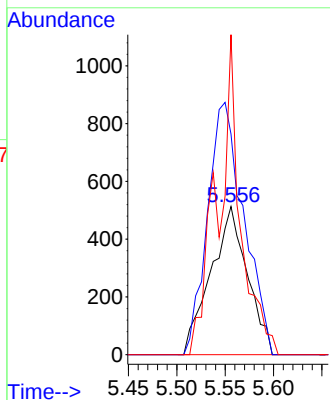
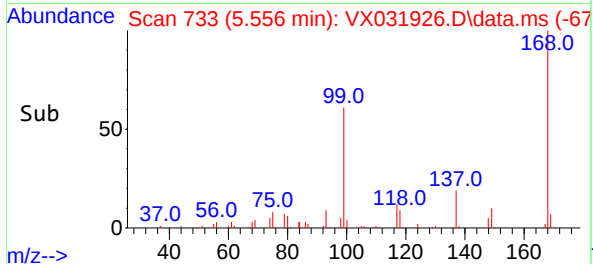


#31  
Cyclohexane  
Concen: 0.920 ug/l  
RT: 5.556 min Scan# 719  
Delta R.T. 0.086 min  
Lab File: VX031926.D  
Acq: 06 Oct 2022 18:32

Instrument :  
MSVOA\_X  
ClientSampleId :

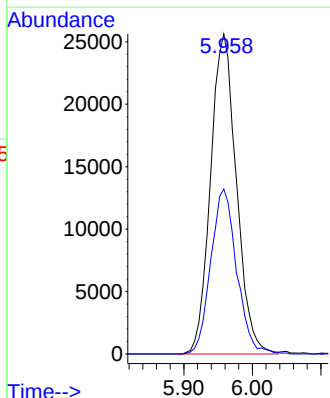
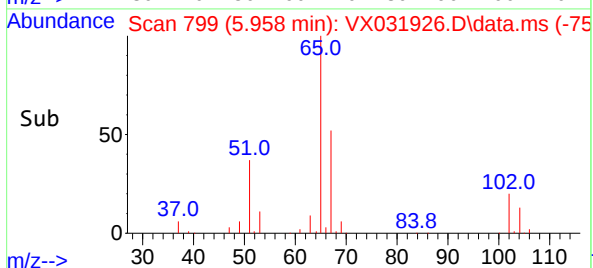
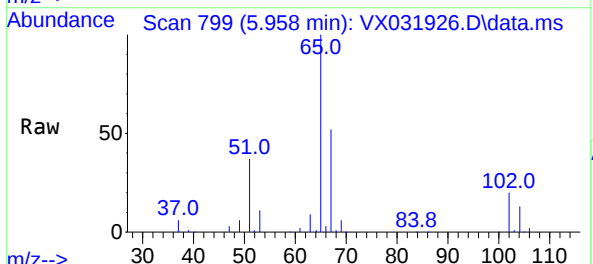


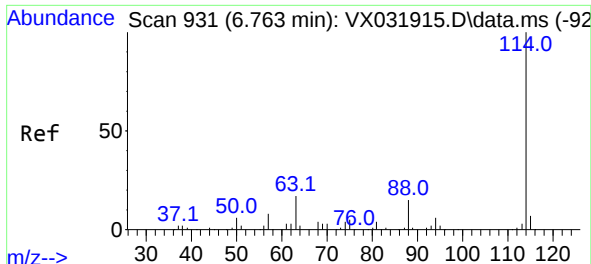
Tgt Ion: 56 Resp: 1348  
Ion Ratio Lower Upper  
56 100  
69 148.9 25.1 37.7#  
84 216.0 70.2 105.4#



#33  
1,2-Dichloroethane-d4  
Concen: 54.757 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. 0.000 min  
Lab File: VX031926.D  
Acq: 06 Oct 2022 18:32

Tgt Ion: 65 Resp: 67166  
Ion Ratio Lower Upper  
65 100  
67 51.6 0.0 102.4

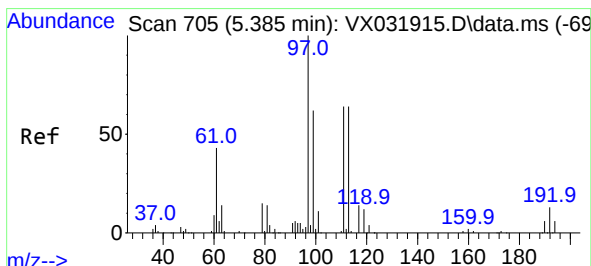
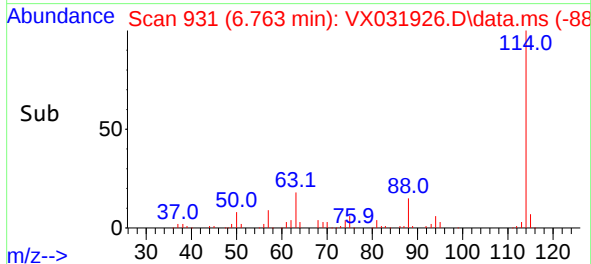
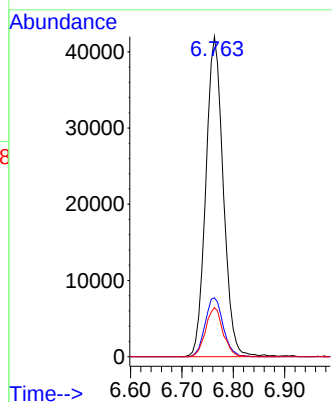
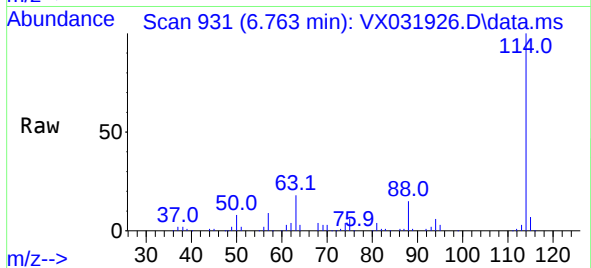




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VX031926.D  
Acq: 06 Oct 2022 18:32

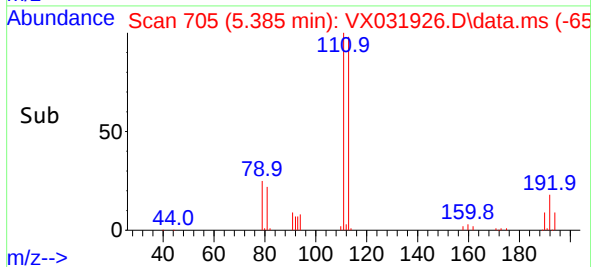
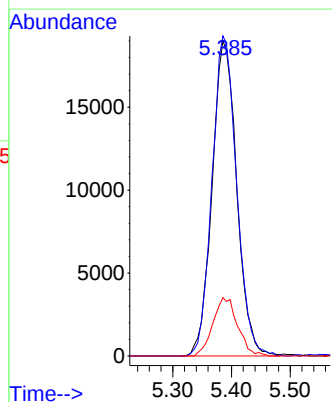
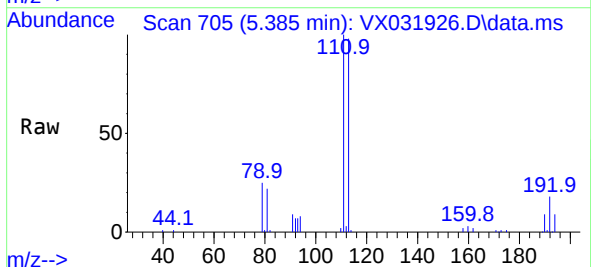
Instrument :  
MSVOA\_X  
ClientSampleId :

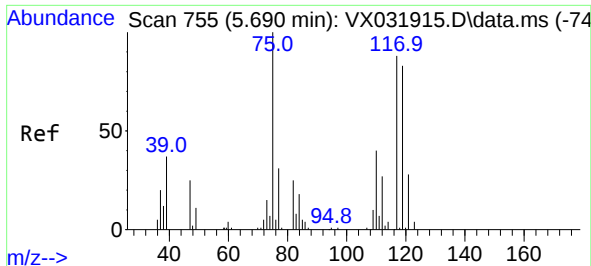
Tgt Ion:114 Resp: 98861  
Ion Ratio Lower Upper  
114 100  
63 18.4 0.0 42.6  
88 15.3 0.0 33.0



#35  
Dibromofluoromethane  
Concen: 49.458 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX031926.D  
Acq: 06 Oct 2022 18:32

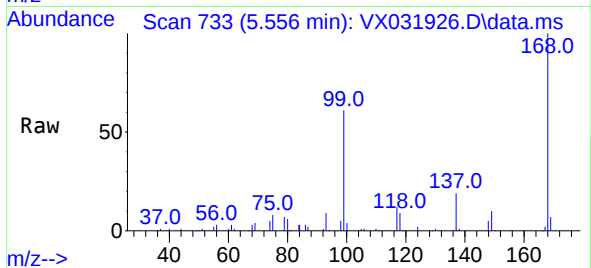
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Ion Ratio Lower Upper  
113 100  
111 101.1 82.4 123.6  
192 18.6 14.1 21.1



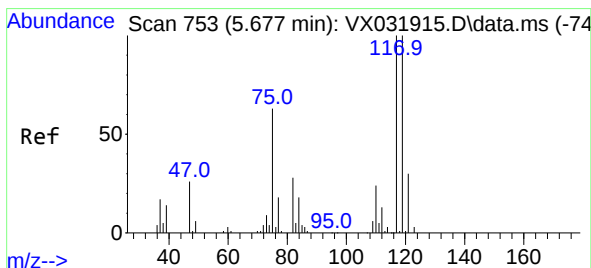
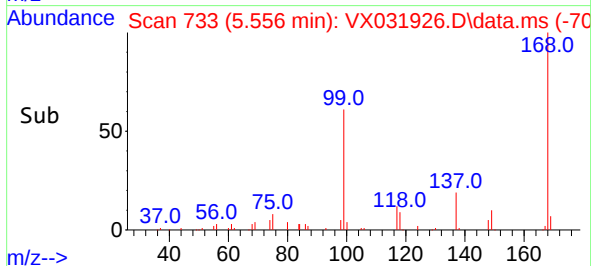
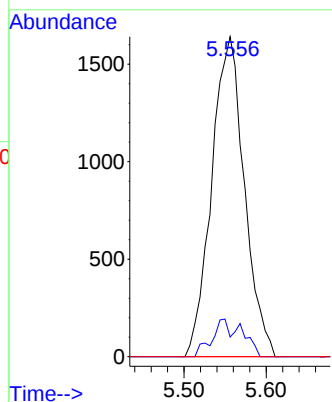


#36  
1,1-Dichloropropene  
Concen: 3.050 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.134 min  
Lab File: VX031926.D  
Acq: 06 Oct 2022 18:32

Instrument :  
MSVOA\_X  
ClientSampleId :

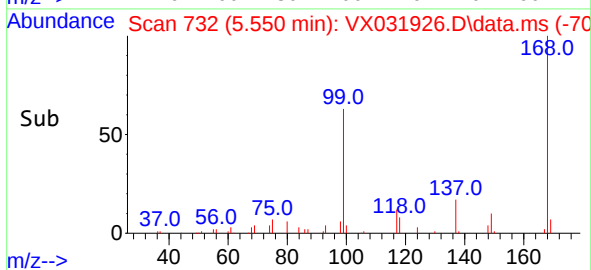
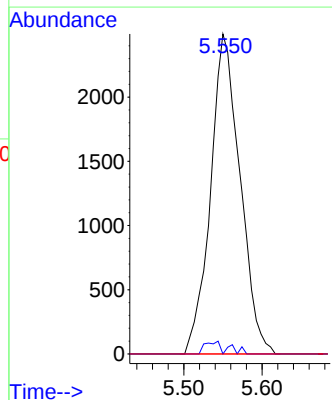
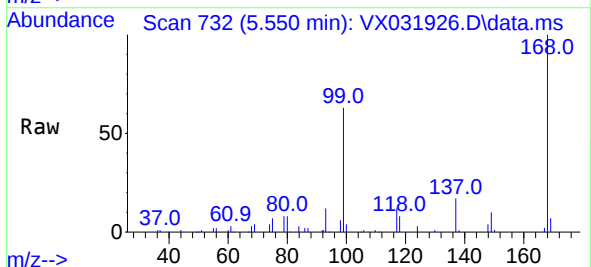


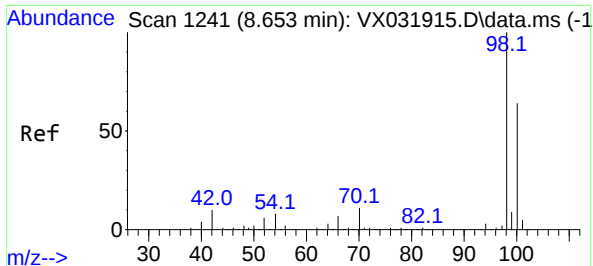
Tgt Ion: 75 Resp: 4526  
Ion Ratio Lower Upper  
75 100  
110 7.4 17.5 52.5#  
77 0.0 24.9 37.3#



#38  
Carbon Tetrachloride  
Concen: 4.302 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.127 min  
Lab File: VX031926.D  
Acq: 06 Oct 2022 18:32

Tgt Ion: 117 Resp: 6528  
Ion Ratio Lower Upper  
117 100  
119 0.0 74.6 112.0#  
121 0.0 25.3 37.9#





#50

Toluene-d8

Concen: 49.926 ug/l

RT: 8.653 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX031926.D

Acq: 06 Oct 2022 18:32

Instrument :

MSVOA\_X

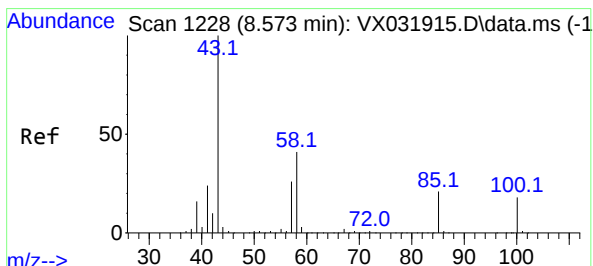
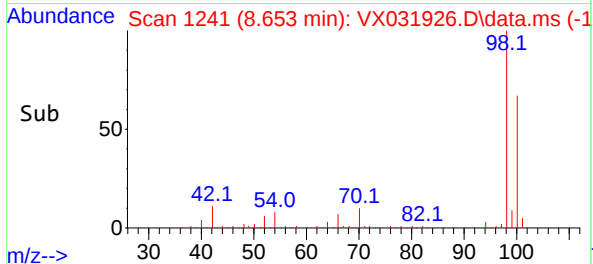
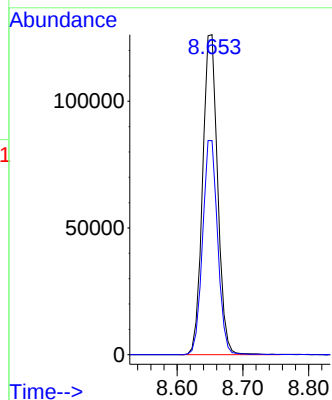
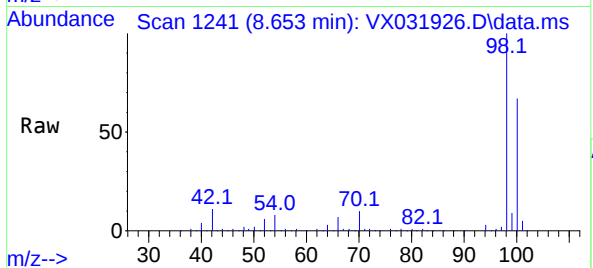
ClientSampleId :

Tgt Ion: 98 Resp: 201039

Ion Ratio Lower Upper

98 100

100 66.8 52.5 78.7



#51

4-Methyl-2-Pentanone

Concen: 0.598 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.074 min

Lab File: VX031926.D

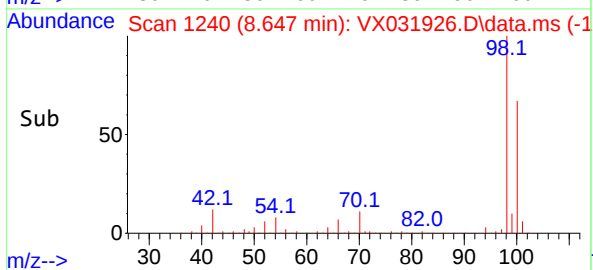
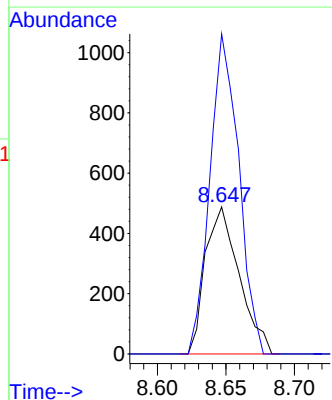
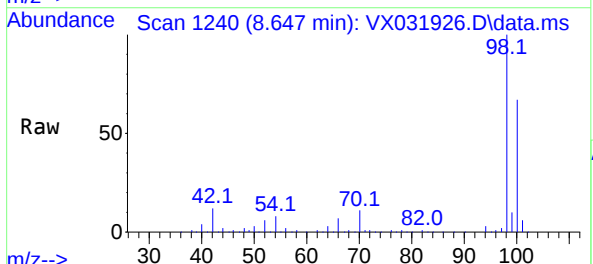
Acq: 06 Oct 2022 18:32

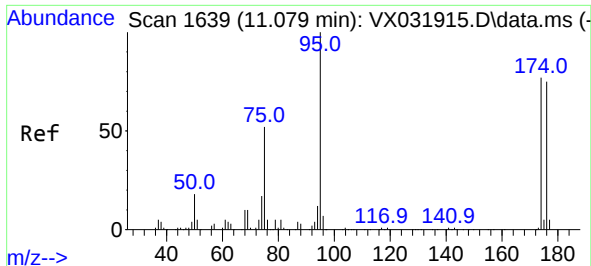
Tgt Ion: 43 Resp: 840

Ion Ratio Lower Upper

43 100

58 185.6 30.6 46.0#





#62

4-Bromofluorobenzene

Concen: 47.866 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX031926.D

Acq: 06 Oct 2022 18:32

Instrument :

MSVOA\_X

ClientSampleId :

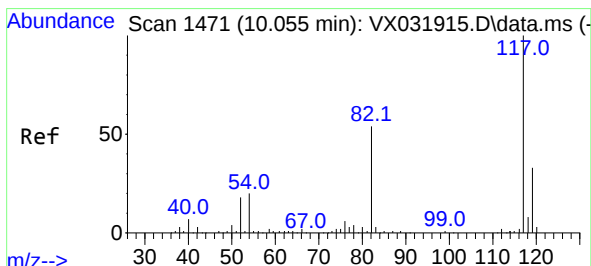
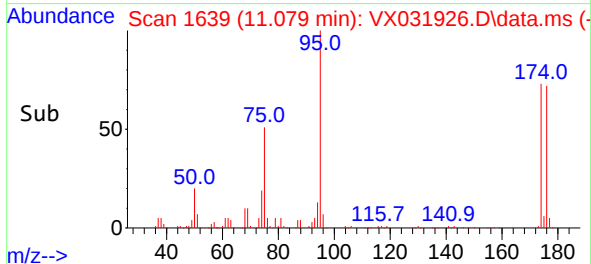
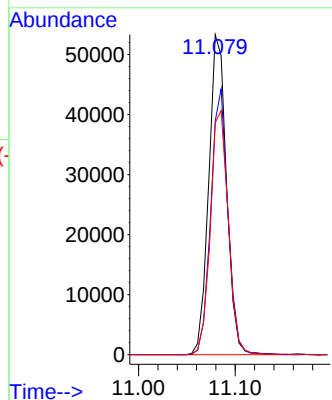
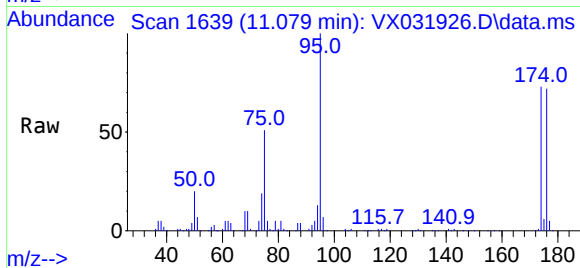
Tgt Ion: 95 Resp: 68140

Ion Ratio Lower Upper

95 100

174 80.2 0.0 153.2

176 76.8 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: VX031926.D

Acq: 06 Oct 2022 18:32

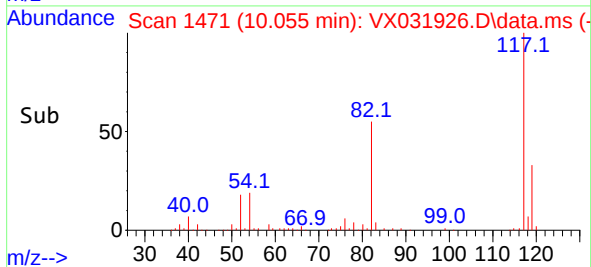
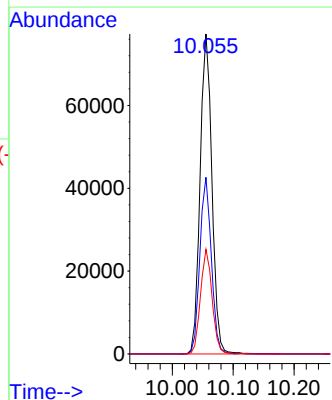
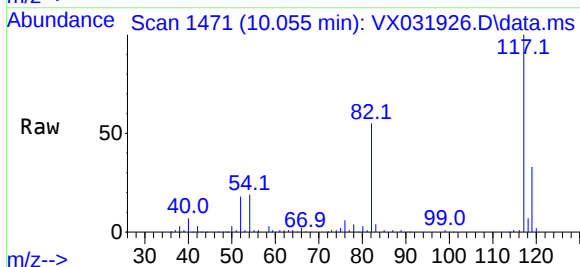
Tgt Ion: 117 Resp: 104022

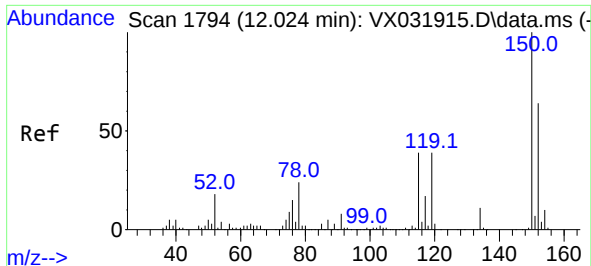
Ion Ratio Lower Upper

117 100

82 55.2 46.8 70.2

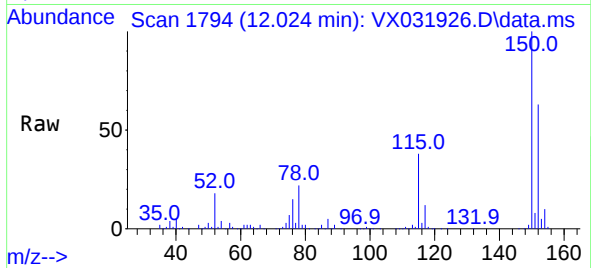
119 32.7 26.4 39.6



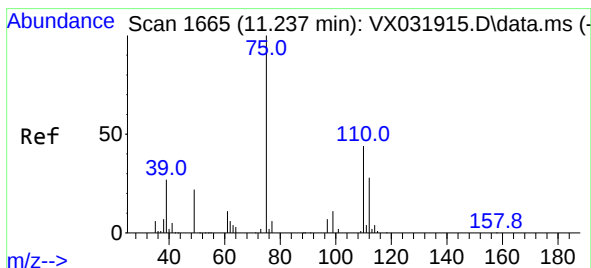
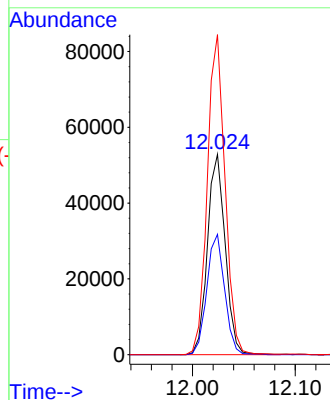
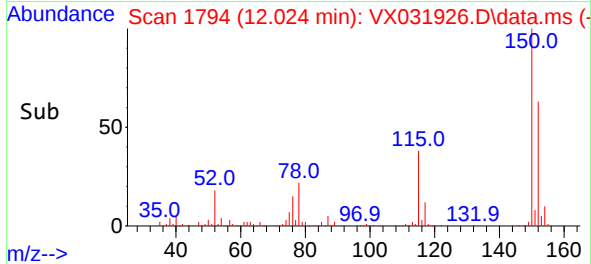


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX031926.D  
Acq: 06 Oct 2022 18:32

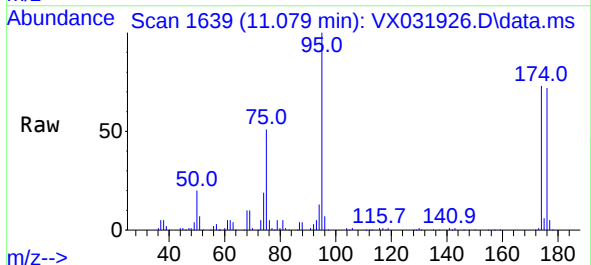
Instrument :  
MSVOA\_X  
ClientSampleId :



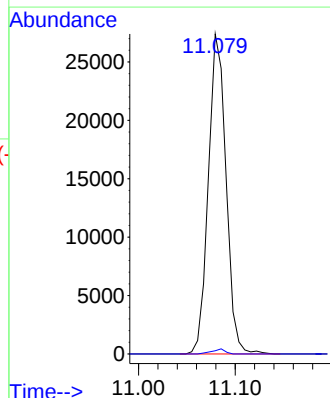
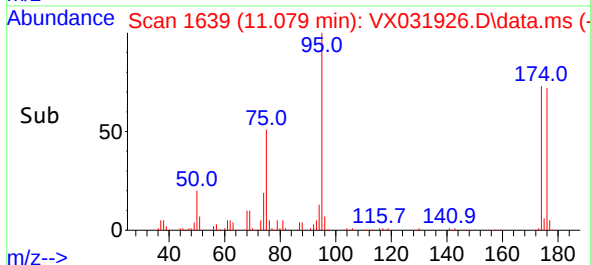
Tgt Ion:152 Resp: 63514  
Ion Ratio Lower Upper  
152 100  
115 60.4 43.4 130.1  
150 159.5 0.0 346.8

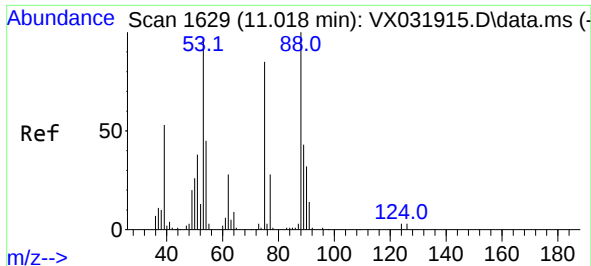


#76  
1,2,3-Trichloropropane  
Concen: 26.815 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.158 min  
Lab File: VX031926.D  
Acq: 06 Oct 2022 18:32



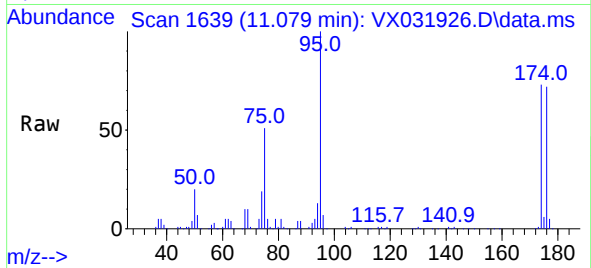
Tgt Ion: 75 Resp: 34905  
Ion Ratio Lower Upper  
75 100  
77 1.2 20.3 60.9#





#81  
trans-1,4-Dichloro-2-butene  
Concen: 91.906 ug/l  
RT: 11.079 min Scan# 10  
Delta R.T. 0.061 min  
Lab File: VX031926.D  
Acq: 06 Oct 2022 18:32

Instrument :  
MSVOA\_X  
ClientSampleId :



Tgt Ion: 75 Resp: 34905  
Ion Ratio Lower Upper  
75 100  
53 0.0 77.6 116.4#  
89 0.0 37.4 56.0#

