

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX100821\  
 Data File : VX024695.D  
 Acq On : 09 Oct 2021 02:09  
 Operator : JC/MD  
 Sample : M4096-08  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Oct 11 06:38:35 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X092321W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Sep 23 18:24:34 2021  
 Response via : Initial Calibration

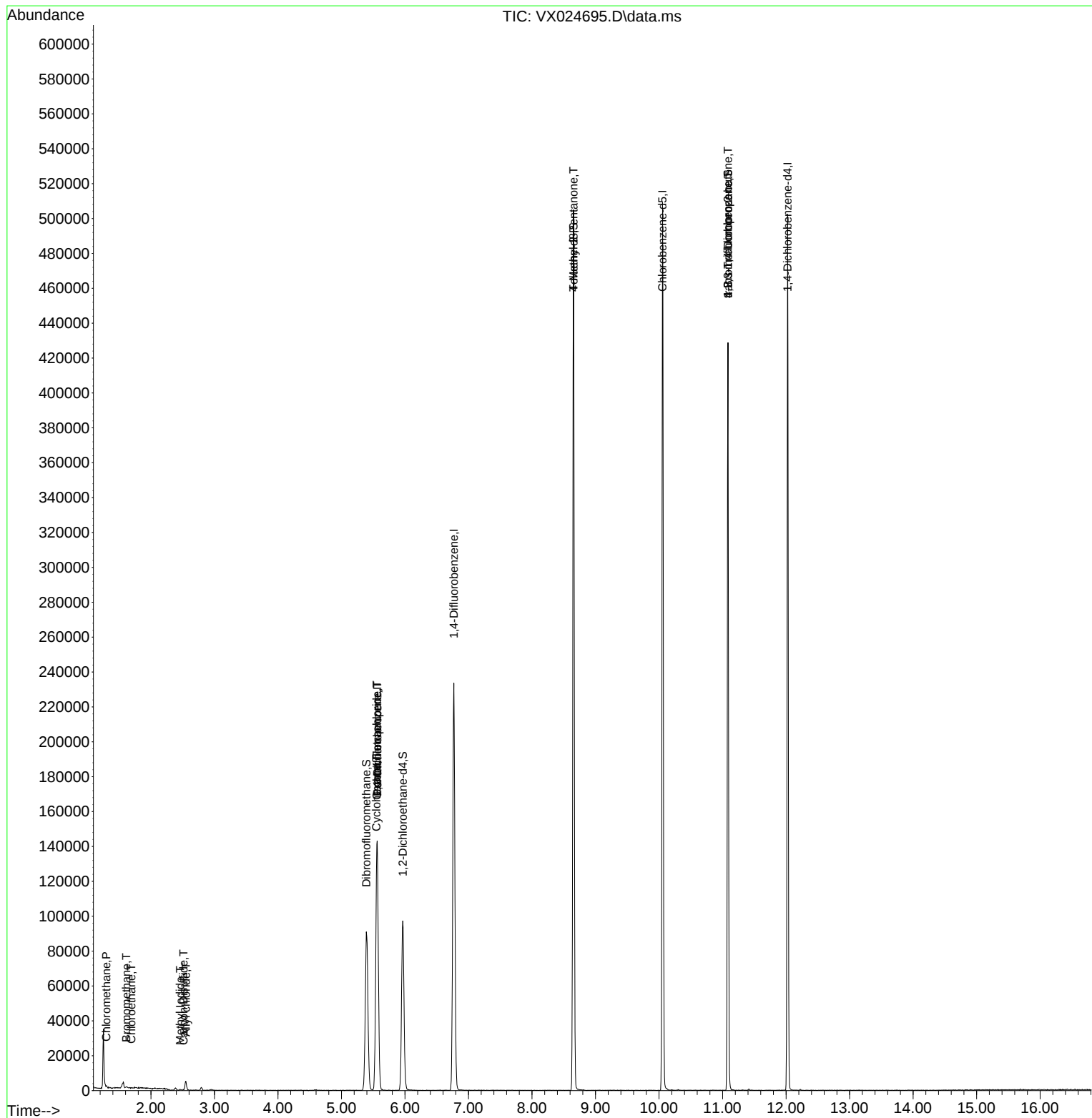
| Compound                      | R.T.           | QIon | Response            | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|-----------|--------|----------|
| -----                         |                |      |                     |           |        |          |
| Internal Standards            |                |      |                     |           |        |          |
| 1) Pentafluorobenzene         | 5.562          | 168  | 132345              | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.769          | 114  | 230418              | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 225779              | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 99556               | 50.000    | ug/l   | 0.00     |
|                               |                |      |                     |           |        |          |
| System Monitoring Compounds   |                |      |                     |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.964          | 65   | 97921               | 52.498    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 78 - 117 |      | Recovery = 105.000% |           |        |          |
| 35) Dibromofluoromethane      | 5.391          | 113  | 77692               | 50.755    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = 101.520% |           |        |          |
| 50) Toluene-d8                | 8.653          | 98   | 281988              | 50.052    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 92 - 112 |      | Recovery = 100.100% |           |        |          |
| 62) 4-Bromofluorobenzene      | 11.085         | 95   | 106589              | 48.118    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = 96.240%  |           |        |          |
|                               |                |      |                     |           |        |          |
| Target Compounds              |                |      |                     |           |        | Qvalue   |
| 3) Chloromethane              | 1.294          | 50   | 326                 | 0.260     | ug/l # | 56       |
| 5) Bromomethane               | 1.611          | 94   | 338                 | 0.382     | ug/l # | 73       |
| 6) Chloroethane               | 1.691          | 64   | 126                 | 0.402     | ug/l # | 43       |
| 10) Methyl Iodide             | 2.459          | 142  | 450                 | 0.246     | ug/l # | 85       |
| 11) Tert butyl alcohol        | 2.947          | 59   | 314                 | Below Cal | #      | 73       |
| 14) Allyl chloride            | 2.550          | 41   | 523                 | 0.236     | ug/l # | 38       |
| 16) Acetone                   | 2.386          | 43   | 1483                | Below Cal |        | 93       |
| 17) Carbon Disulfide          | 2.514          | 76   | 316                 | 0.328     | ug/l # | 75       |
| 20) Methylene Chloride        | 2.794          | 84   | 702                 | Below Cal | #      | 94       |
| 31) Cyclohexane               | 5.550          | 56   | 2854                | 1.278     | ug/l # | 25       |
| 36) 1,1-Dichloropropene       | 5.562          | 75   | 10516               | 4.761     | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 5.556          | 117  | 14073               | 5.853     | ug/l # | 15       |
| 51) 4-Methyl-2-Pentanone      | 8.653          | 43   | 1310                | 0.473     | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 11.085         | 75   | 57390               | 25.384    | ug/l # | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.085         | 75   | 57390               | 69.192    | ug/l # | 12       |
| -----                         |                |      |                     |           |        |          |

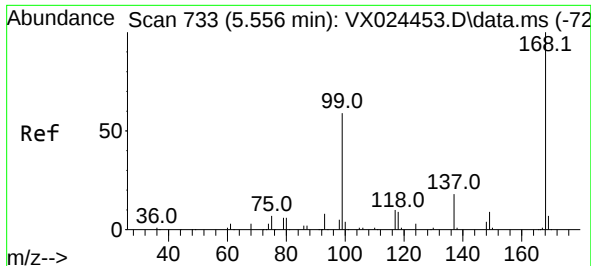
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_X  
ClientSampleId :

Quant Time: Oct 11 06:38:35 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X092321W.M  
Quant Title : SW846 8260  
QLast Update : Thu Sep 23 18:24:34 2021  
Response via : Initial Calibration

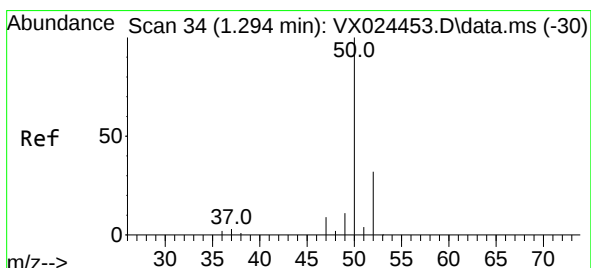
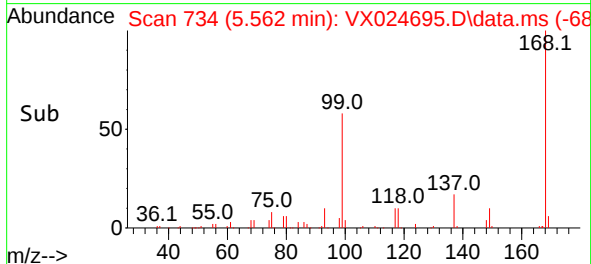
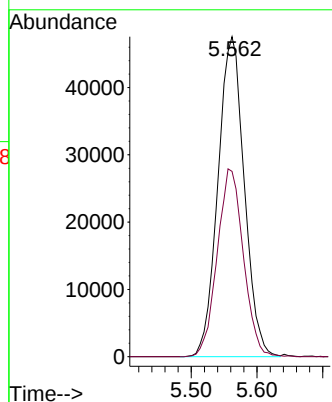
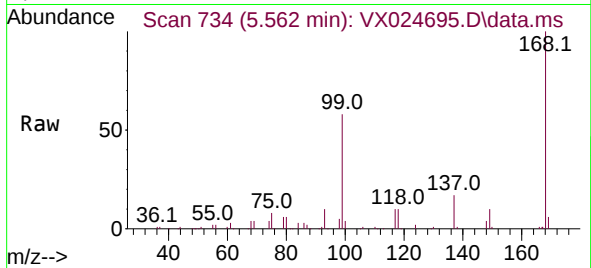




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. 0.006 min  
Lab File: VX024695.D  
Acq: 09 Oct 2021 02:09

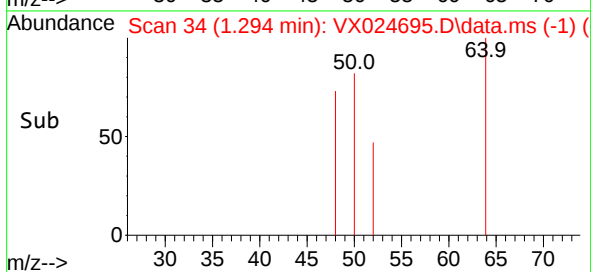
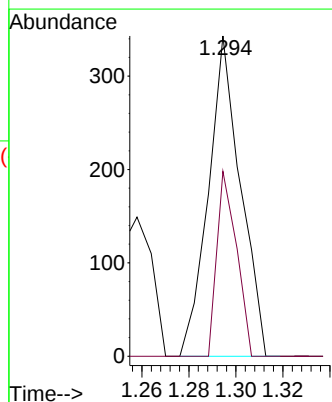
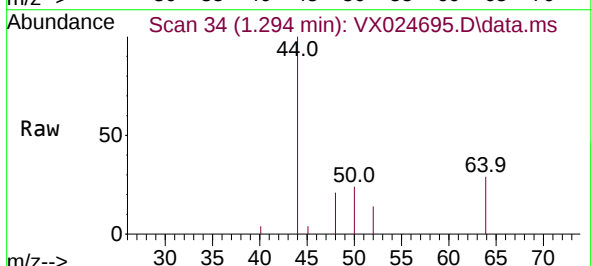
Instrument :  
MSVOA\_X  
ClientSampled :

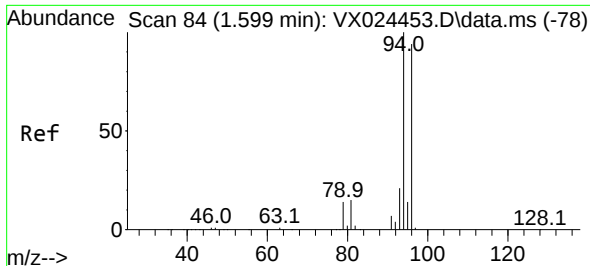
Tgt Ion:168 Resp: 132345  
Ion Ratio Lower Upper  
168 100  
99 57.9 45.8 68.6



#3  
Chloromethane  
Concen: 0.260 ug/l  
RT: 1.294 min Scan# 34  
Delta R.T. 0.000 min  
Lab File: VX024695.D  
Acq: 09 Oct 2021 02:09

Tgt Ion: 50 Resp: 326  
Ion Ratio Lower Upper  
50 100  
52 57.7 26.4 39.6#

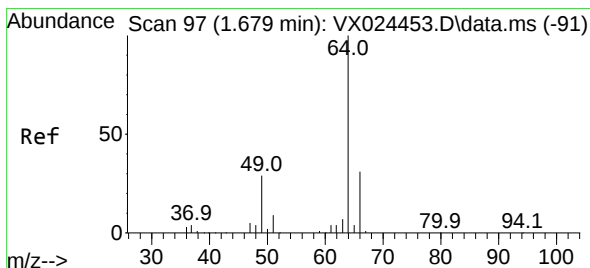
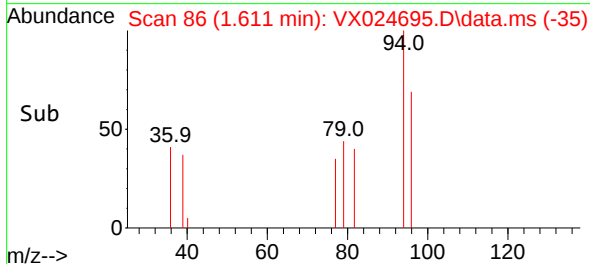
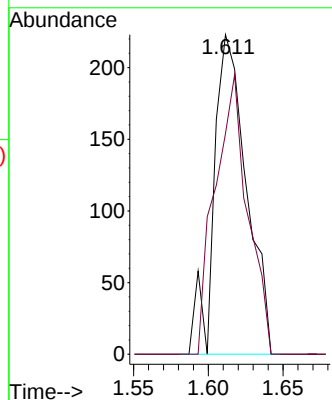
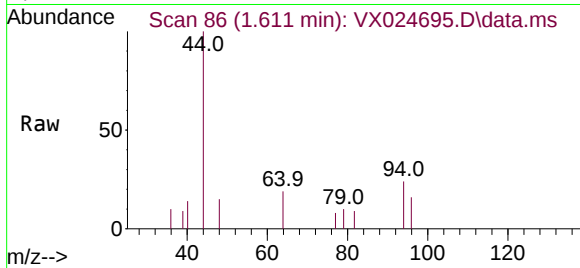




#5  
Bromomethane  
Concen: 0.382 ug/l  
RT: 1.611 min Scan# 86  
Delta R.T. 0.012 min  
Lab File: VX024695.D  
Acq: 09 Oct 2021 02:09

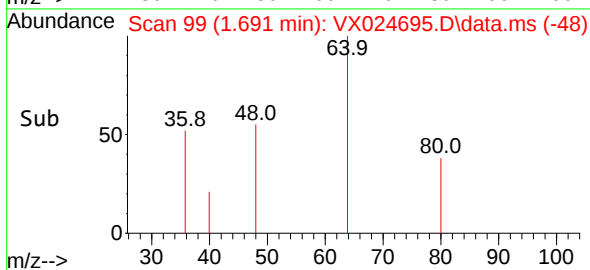
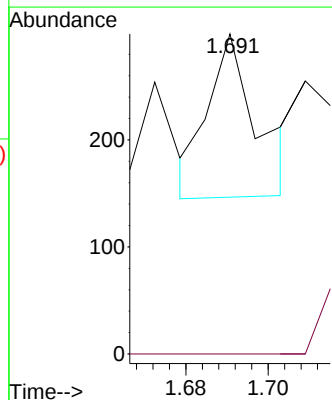
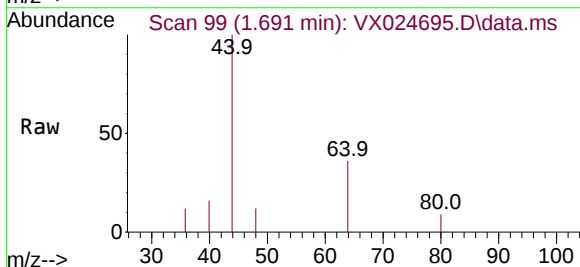
Instrument :  
MSVOA\_X  
ClientSampled :

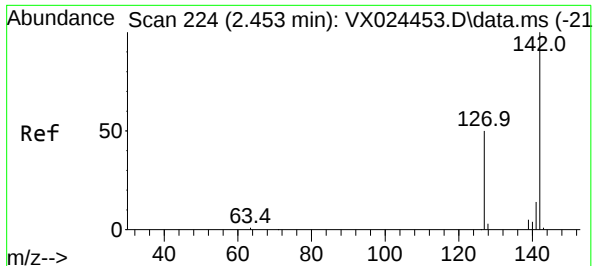
Tgt Ion: 94 Resp: 338  
Ion Ratio Lower Upper  
94 100  
96 69.1 76.4 114.6#



#6  
Chloroethane  
Concen: 0.402 ug/l  
RT: 1.691 min Scan# 99  
Delta R.T. 0.012 min  
Lab File: VX024695.D  
Acq: 09 Oct 2021 02:09

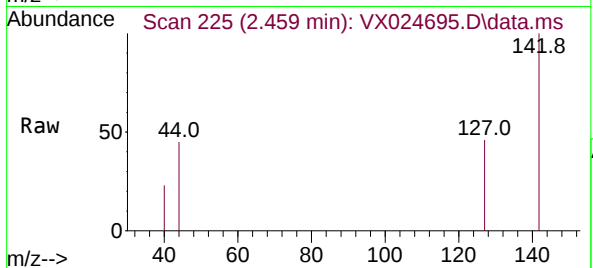
Tgt Ion: 64 Resp: 126  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.4 38.0#



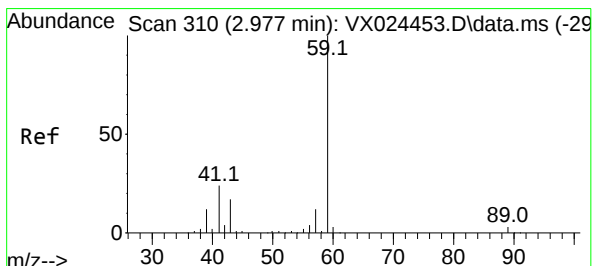
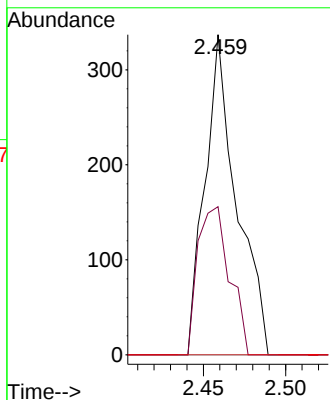
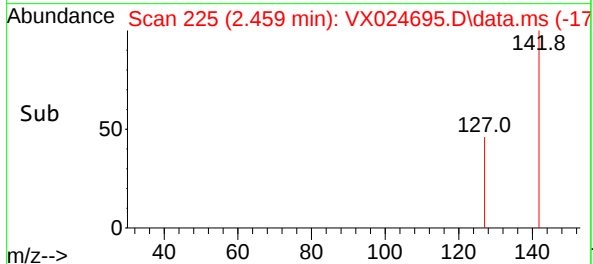


#10  
Methyl Iodide  
Concen: 0.246 ug/l  
RT: 2.459 min Scan# 225  
Delta R.T. 0.006 min  
Lab File: VX024695.D  
Acq: 09 Oct 2021 02:09

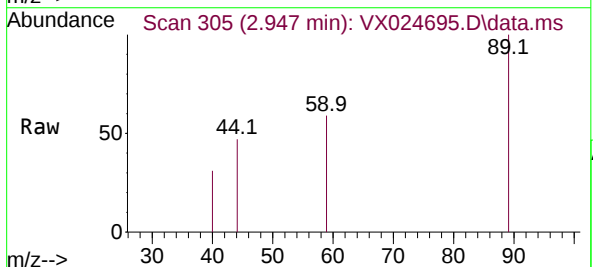
Instrument :  
MSVOA\_X  
ClientSampled :



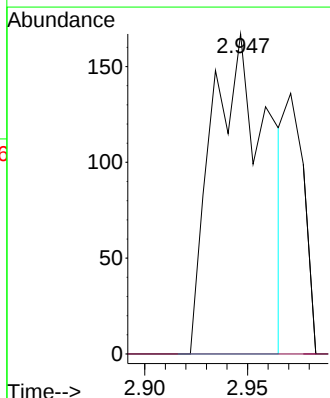
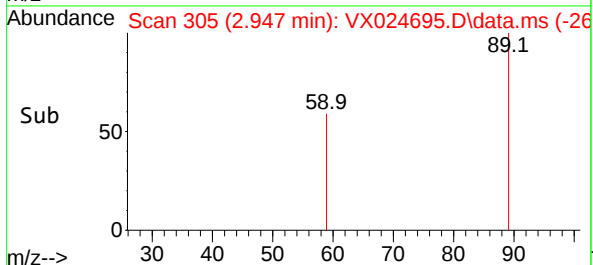
Tgt Ion:142 Resp: 450  
Ion Ratio Lower Upper  
142 100  
127 46.7 33.3 49.9  
141 0.0 11.4 17.0#

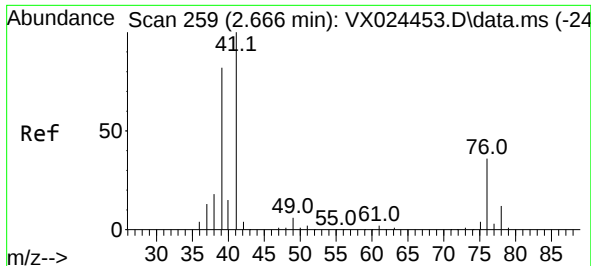


#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 2.947 min Scan# 305  
Delta R.T. -0.030 min  
Lab File: VX024695.D  
Acq: 09 Oct 2021 02:09



Tgt Ion: 59 Resp: 314  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.8#

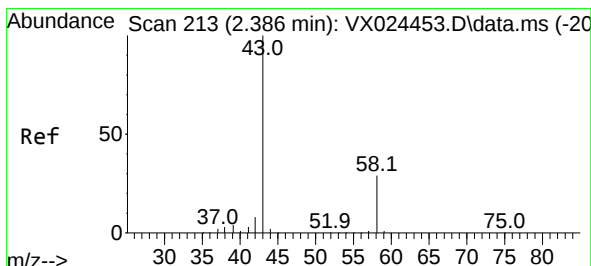
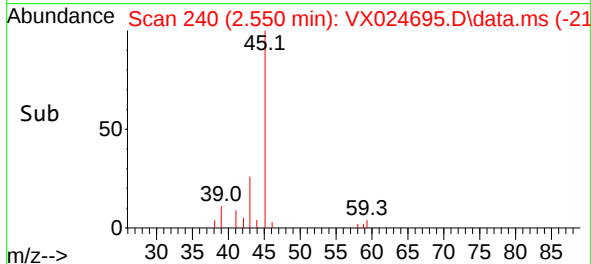
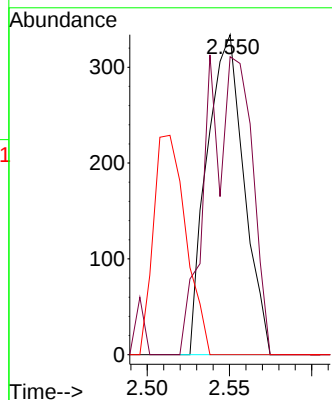
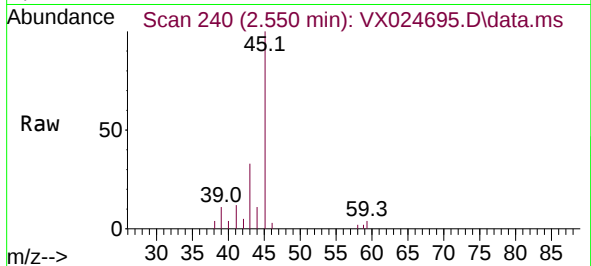




#14  
 Allyl chloride  
 Concen: 0.236 ug/l  
 RT: 2.550 min Scan# 240  
 Delta R.T. -0.116 min  
 Lab File: VX024695.D  
 Acq: 09 Oct 2021 02:09

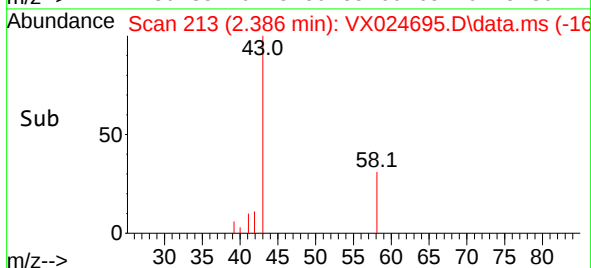
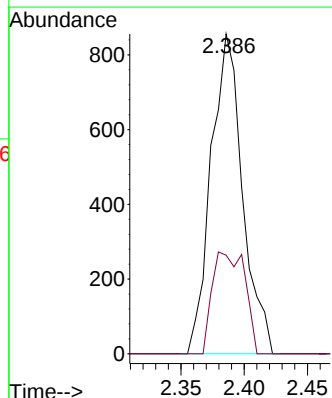
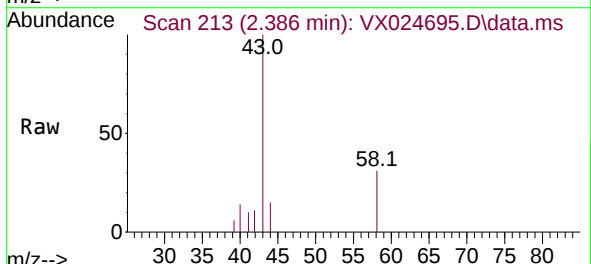
Instrument :  
 MSVOA\_X  
 ClientSampled :

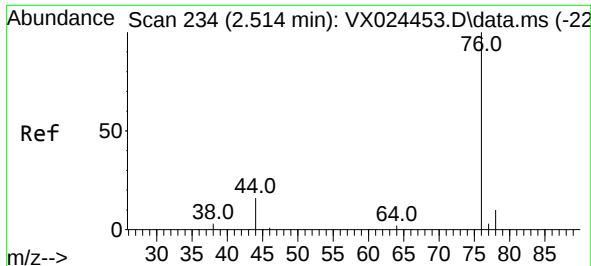
Tgt Ion: 41 Resp: 523  
 Ion Ratio Lower Upper  
 41 100  
 39 112.2 51.6 77.4#  
 76 0.0 30.5 45.7#



#16  
 Acetone  
 Concen: Below Cal  
 RT: 2.386 min Scan# 213  
 Delta R.T. -0.000 min  
 Lab File: VX024695.D  
 Acq: 09 Oct 2021 02:09

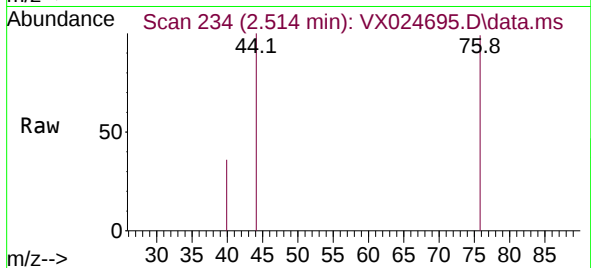
Tgt Ion: 43 Resp: 1483  
 Ion Ratio Lower Upper  
 43 100  
 58 30.8 27.8 41.8



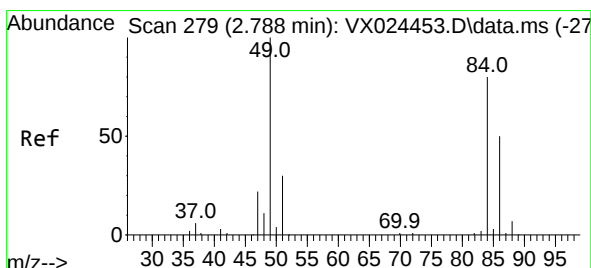
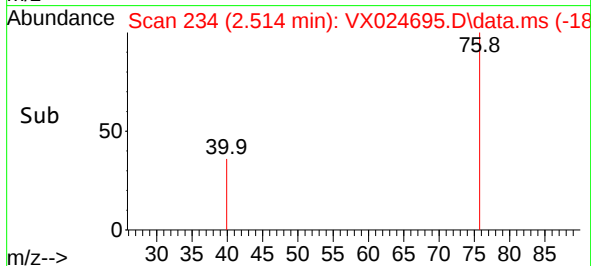
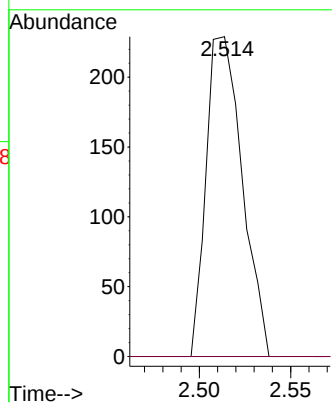


#17  
Carbon Disulfide  
Concen: 0.328 ug/l  
RT: 2.514 min Scan# 234  
Delta R.T. -0.000 min  
Lab File: VX024695.D  
Acq: 09 Oct 2021 02:09

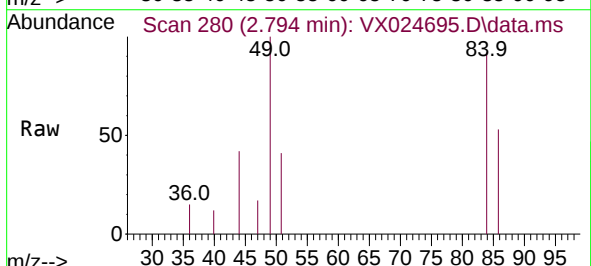
Instrument :  
MSVOA\_X  
ClientSampled :



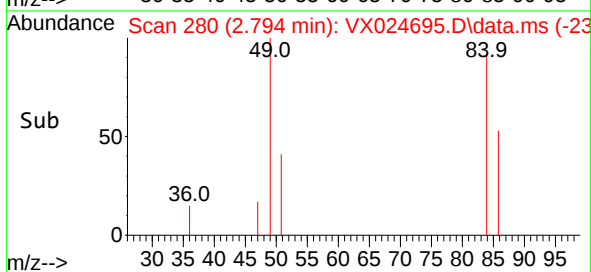
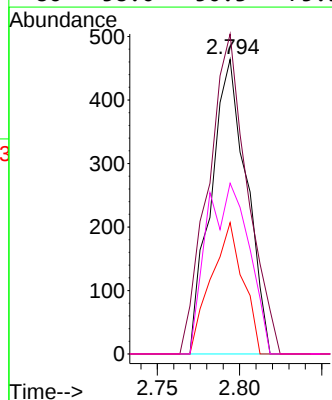
Tgt Ion: 76 Resp: 316  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.2 10.8#

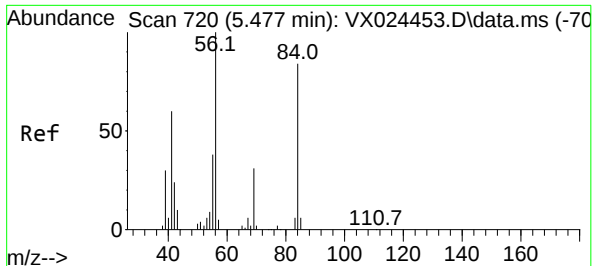


#20  
Methylene Chloride  
Concen: Below Cal  
RT: 2.794 min Scan# 280  
Delta R.T. 0.006 min  
Lab File: VX024695.D  
Acq: 09 Oct 2021 02:09



Tgt Ion: 84 Resp: 702  
Ion Ratio Lower Upper  
84 100  
49 108.6 88.6 132.8  
51 44.6 27.0 40.6#  
86 58.0 50.3 75.5

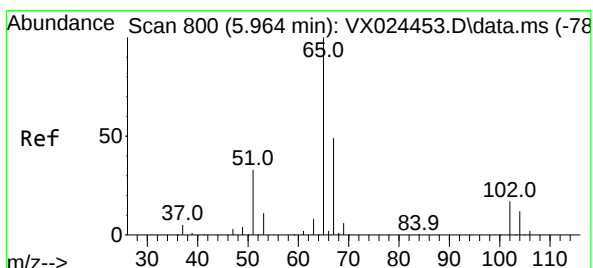
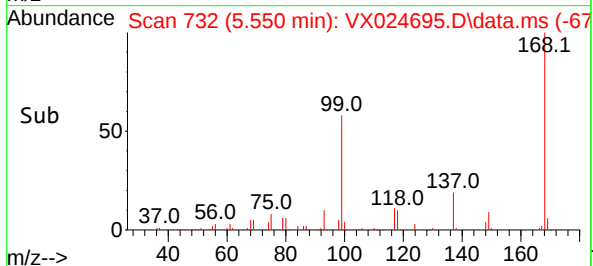
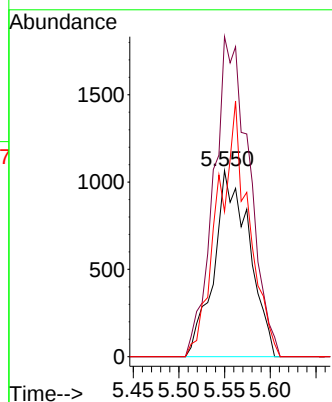
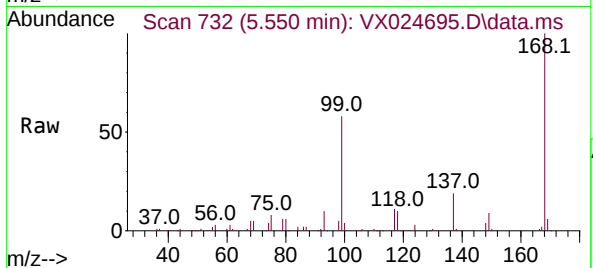




#31  
Cyclohexane  
Concen: 1.278 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. 0.073 min  
Lab File: VX024695.D  
Acq: 09 Oct 2021 02:09

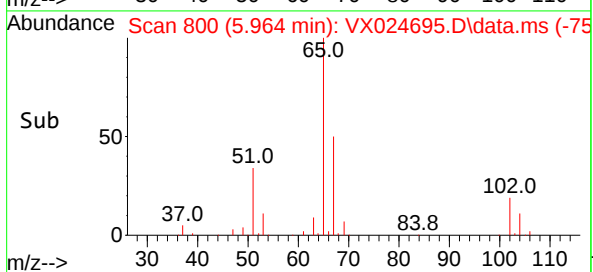
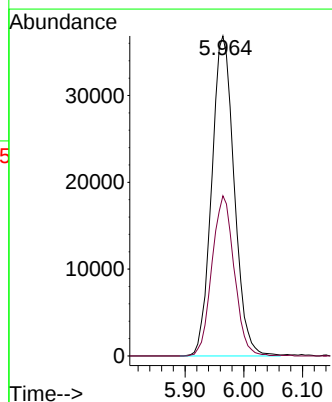
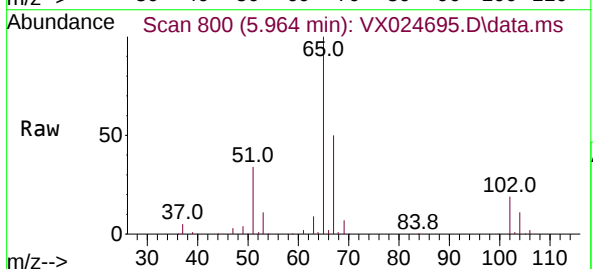
Instrument :  
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ClientSampleId :

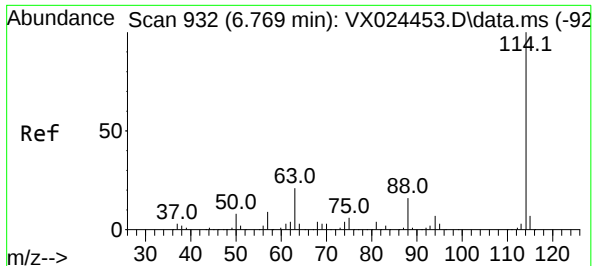
Tgt Ion: 56 Resp: 2854  
Ion Ratio Lower Upper  
56 100  
69 172.0 25.3 37.9#  
84 78.0 71.4 107.0



#33  
1,2-Dichloroethane-d4  
Concen: 52.498 ug/l  
RT: 5.964 min Scan# 800  
Delta R.T. 0.000 min  
Lab File: VX024695.D  
Acq: 09 Oct 2021 02:09

Tgt Ion: 65 Resp: 97921  
Ion Ratio Lower Upper  
65 100  
67 49.5 0.0 105.4

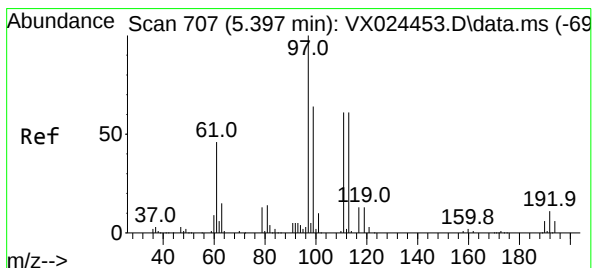
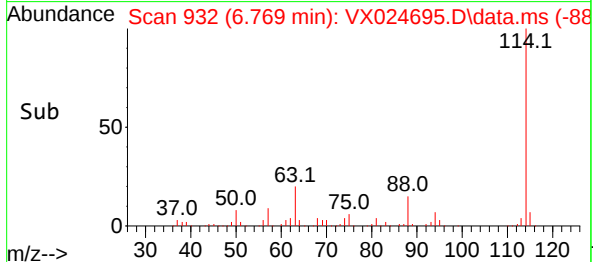
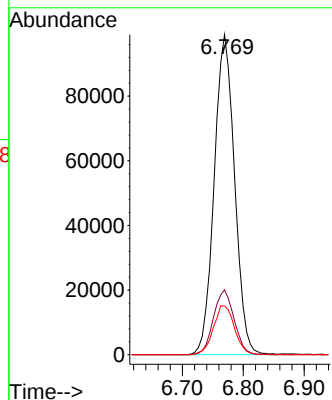
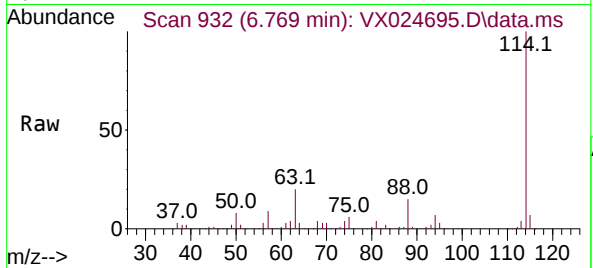




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.769 min Scan# 932  
Delta R.T. 0.000 min  
Lab File: VX024695.D  
Acq: 09 Oct 2021 02:09

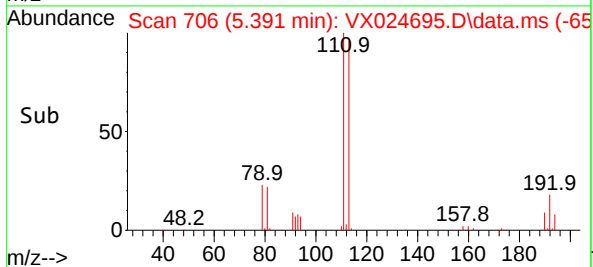
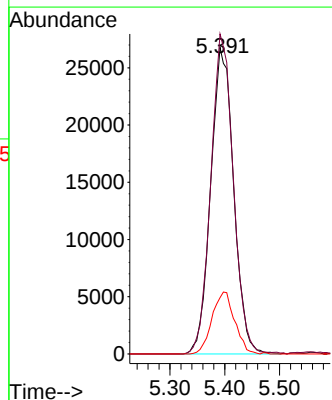
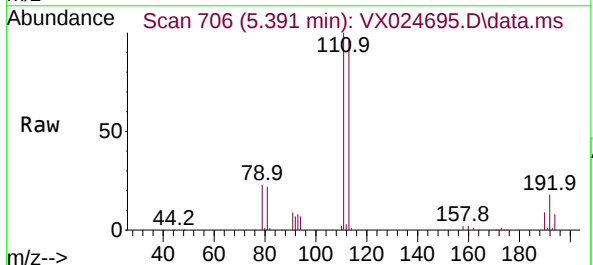
Instrument :  
MSVOA\_X  
ClientSampleId :

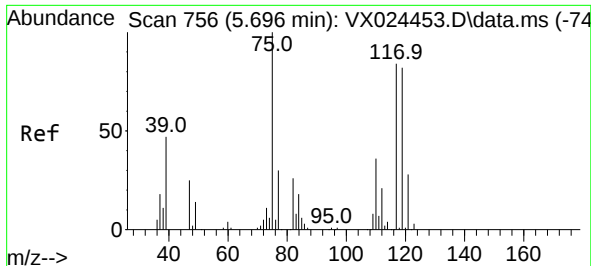
Tgt Ion:114 Resp: 230418  
Ion Ratio Lower Upper  
114 100  
63 20.3 0.0 40.8  
88 15.2 0.0 32.8



#35  
Dibromofluoromethane  
Concen: 50.755 ug/l  
RT: 5.391 min Scan# 706  
Delta R.T. -0.006 min  
Lab File: VX024695.D  
Acq: 09 Oct 2021 02:09

Tgt Ion:113 Resp: 77692  
Ion Ratio Lower Upper  
113 100  
111 102.7 81.9 122.9  
192 19.9 16.7 25.1





#36

1,1-Dichloropropene

Concen: 4.761 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.134 min

Lab File: VX024695.D

Acq: 09 Oct 2021 02:09

Tgt Ion: 75 Resp: 10516

Ion Ratio Lower Upper

75 100

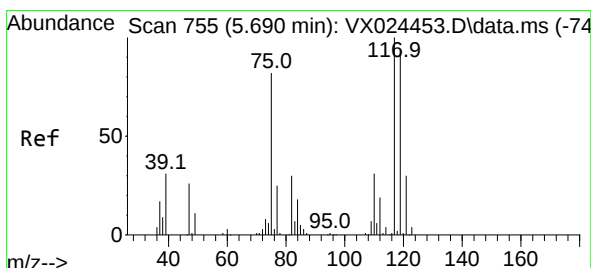
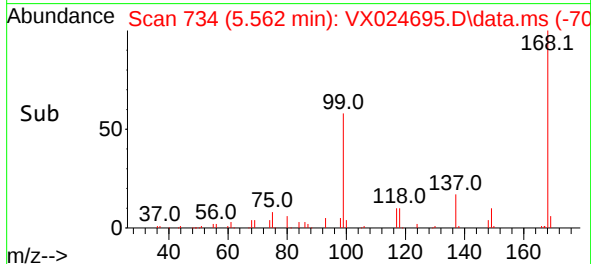
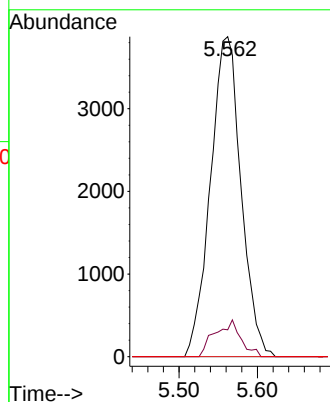
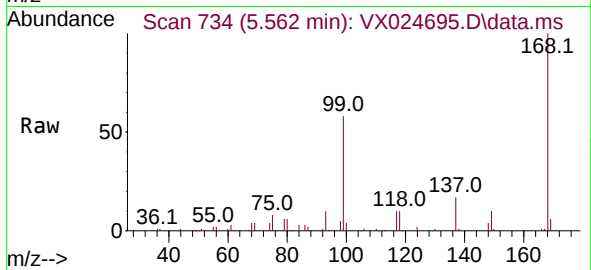
110 9.7 18.1 54.4#

77 0.0 25.3 37.9#

Instrument :

MSVOA\_X

ClientSampled :



#38

Carbon Tetrachloride

Concen: 5.853 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.134 min

Lab File: VX024695.D

Acq: 09 Oct 2021 02:09

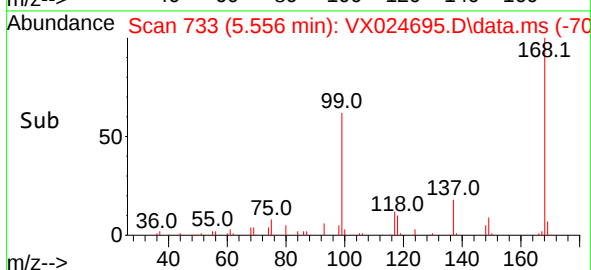
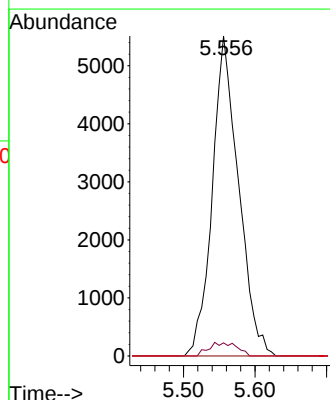
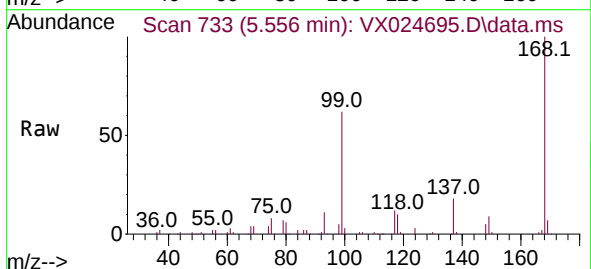
Tgt Ion:117 Resp: 14073

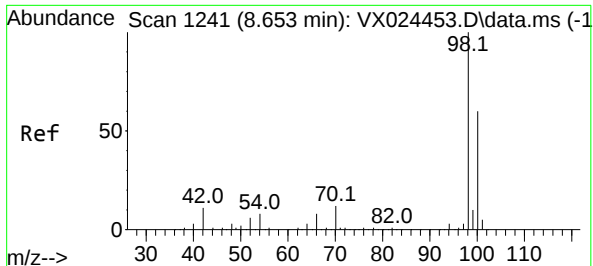
Ion Ratio Lower Upper

117 100

119 4.1 76.2 114.2#

121 0.0 24.8 37.2#

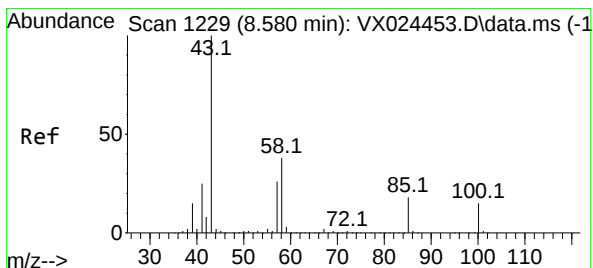
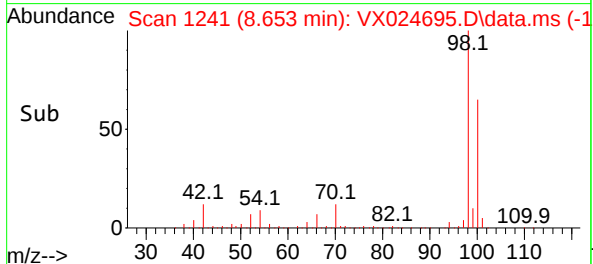
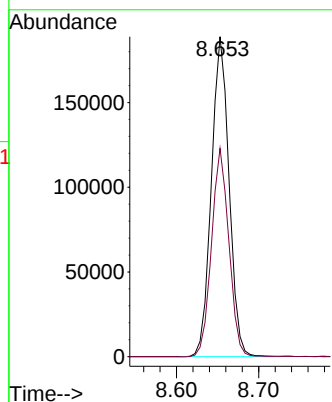
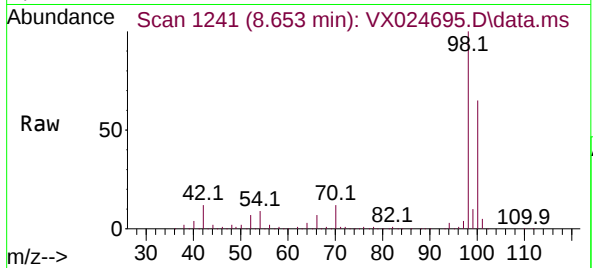




#50  
Toluene-d8  
Concen: 50.052 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX024695.D  
Acq: 09 Oct 2021 02:09

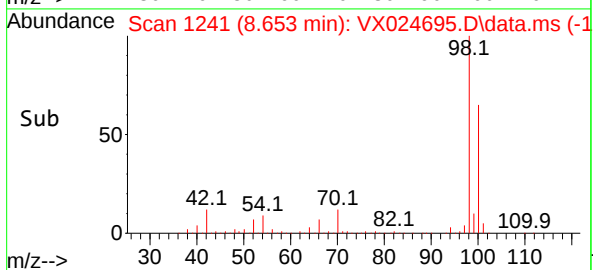
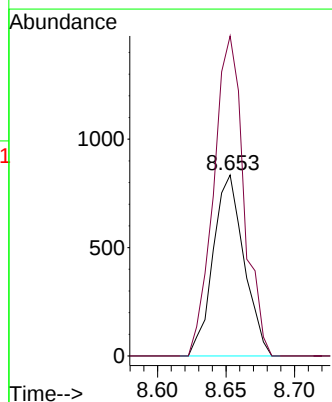
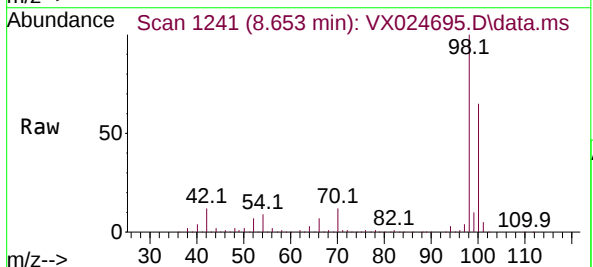
Instrument :  
MSVOA\_X  
ClientSampled :

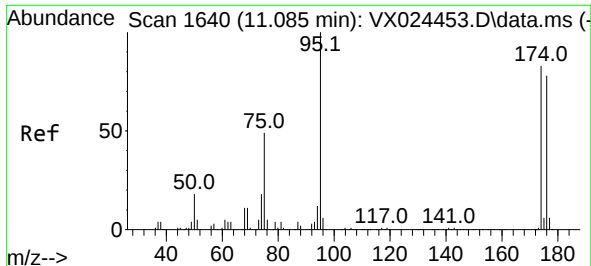
Tgt Ion: 98 Resp: 281988  
Ion Ratio Lower Upper  
98 100  
100 63.9 51.9 77.9



#51  
4-Methyl-2-Pentanone  
Concen: 0.473 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. 0.073 min  
Lab File: VX024695.D  
Acq: 09 Oct 2021 02:09

Tgt Ion: 43 Resp: 1310  
Ion Ratio Lower Upper  
43 100  
58 173.0 35.4 53.0#

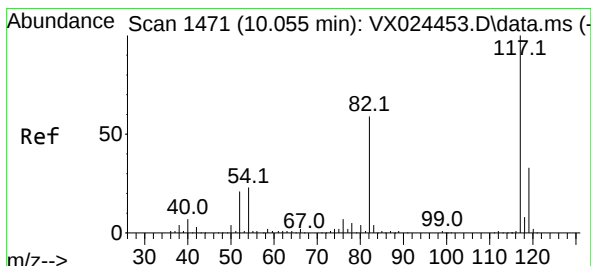
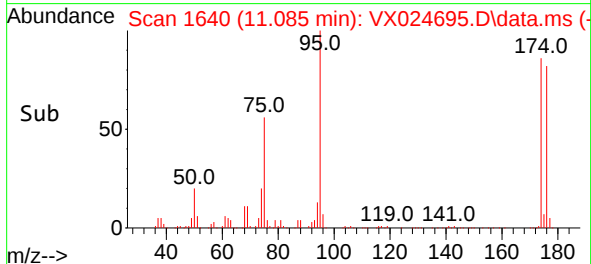
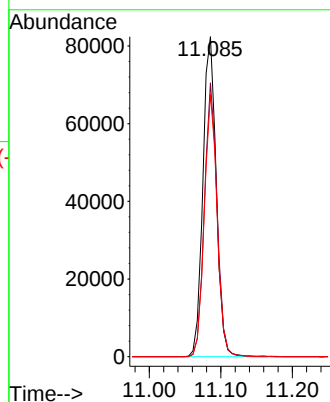
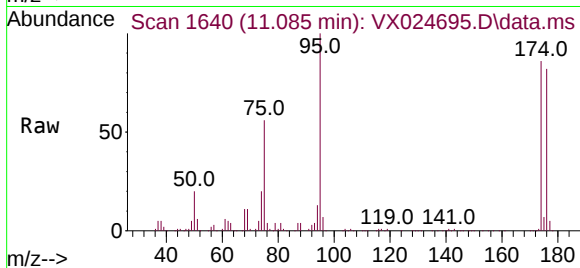




#62  
4-Bromofluorobenzene  
Concen: 48.118 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.000 min  
Lab File: VX024695.D  
Acq: 09 Oct 2021 02:09

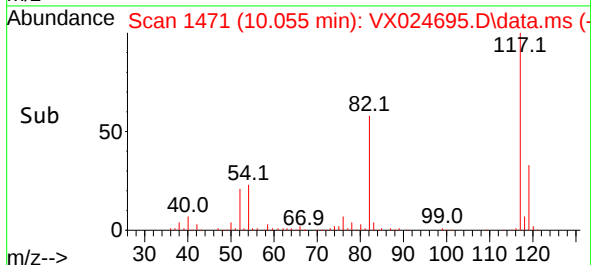
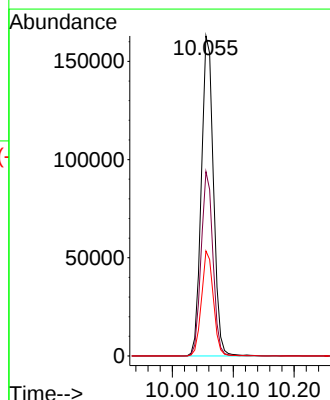
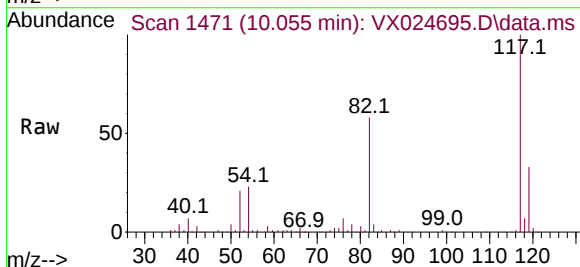
Instrument :  
MSVOA\_X  
ClientSampleId :

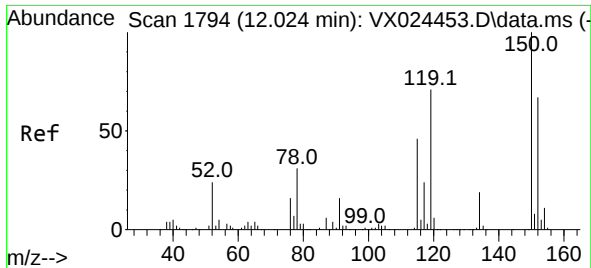
Tgt Ion: 95 Resp: 106589  
Ion Ratio Lower Upper  
95 100  
174 81.9 0.0 154.6  
176 78.6 0.0 155.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX024695.D  
Acq: 09 Oct 2021 02:09

Tgt Ion: 117 Resp: 225779  
Ion Ratio Lower Upper  
117 100  
82 57.6 47.4 71.2  
119 32.8 26.6 39.8

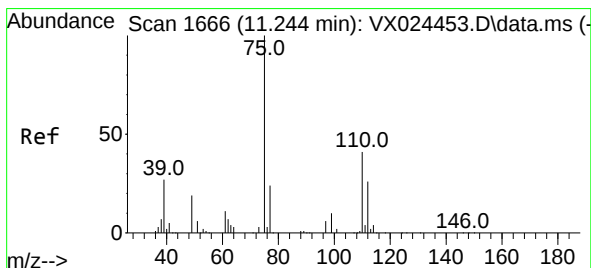
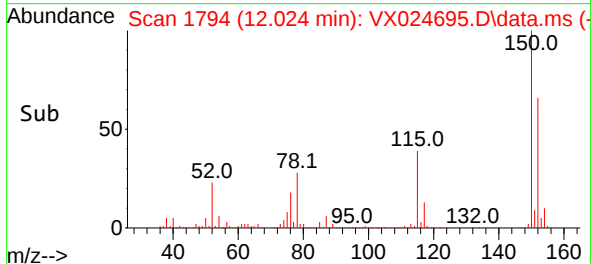
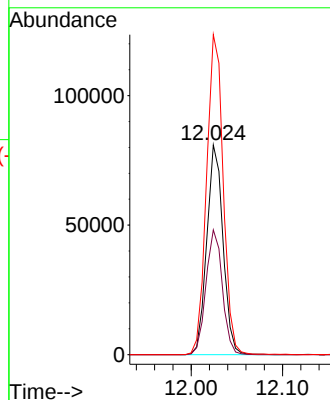
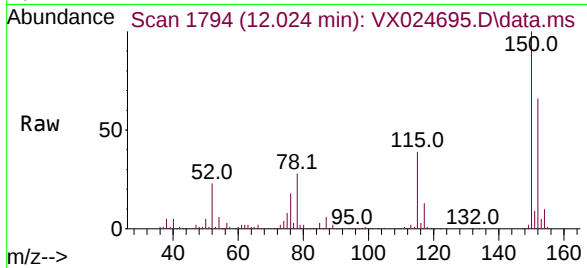




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 1794  
 Delta R.T. 0.000 min  
 Lab File: VX024695.D  
 Acq: 09 Oct 2021 02:09

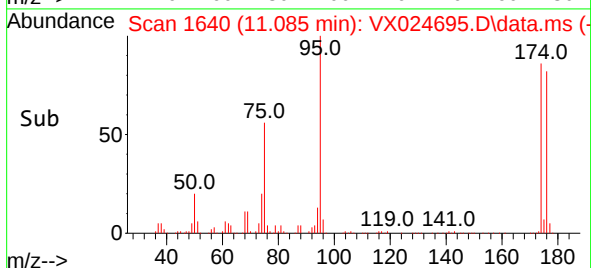
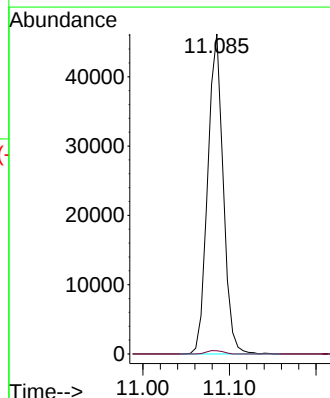
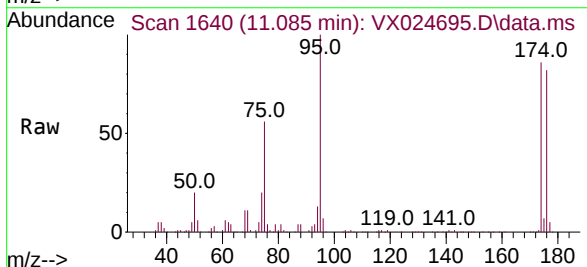
Instrument :  
 MSVOA\_X  
 ClientSampled :

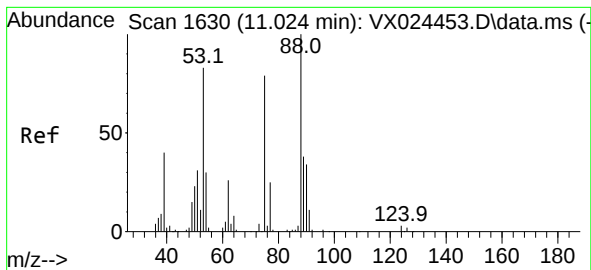
Tgt Ion:152 Resp: 99556  
 Ion Ratio Lower Upper  
 152 100  
 115 60.0 41.1 123.3  
 150 156.4 0.0 349.0



#76  
 1,2,3-Trichloropropane  
 Concen: 25.384 ug/l  
 RT: 11.085 min Scan# 1640  
 Delta R.T. -0.159 min  
 Lab File: VX024695.D  
 Acq: 09 Oct 2021 02:09

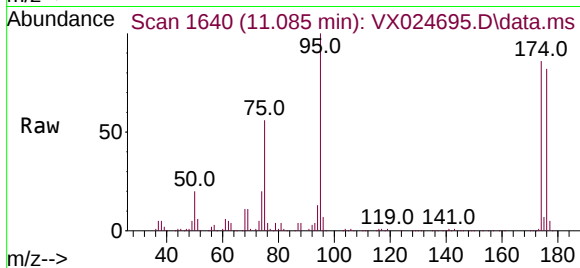
Tgt Ion: 75 Resp: 57390  
 Ion Ratio Lower Upper  
 75 100  
 77 1.1 19.1 57.5#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 69.192 ug/l  
 RT: 11.085 min Scan# 1640  
 Delta R.T. 0.061 min  
 Lab File: VX024695.D  
 Acq: 09 Oct 2021 02:09

Instrument :  
 MSVOA\_X  
 ClientSampleId :



Tgt Ion: 75 Resp: 57390  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 74.5 111.7#  
 89 0.1 37.9 56.9#

