

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX120321\  
 Data File : VX025471.D  
 Acq On : 03 Dec 2021 10:42  
 Operator : JC/MD  
 Sample : VX1203MBL01  
 Misc : 5.0g/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1203MBL01

Quant Time: Dec 04 06:46:28 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X111721W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 17 15:36:16 2021  
 Response via : Initial Calibration

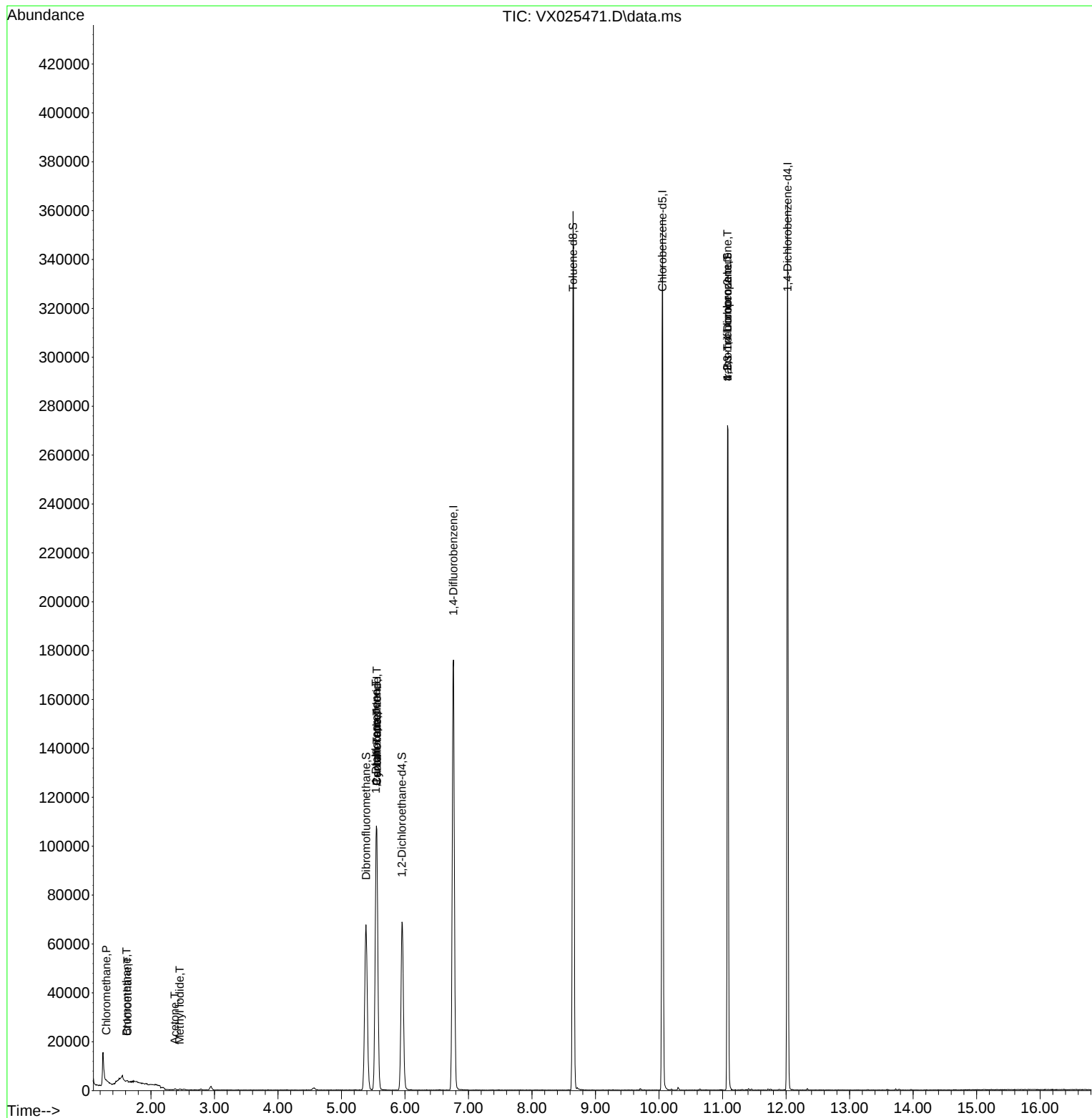
| Compound                      | R.T. QIon |       | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|------------|----------|
| -----                         |           |       |          |           |            |          |
| Internal Standards            |           |       |          |           |            |          |
| 1) Pentafluorobenzene         | 5.556     | 168   | 111389   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763     | 114   | 189836   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 10.055    | 117   | 170338   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024    | 152   | 75713    | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.952     | 65    | 65373    | 55.679    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 78 - 117 | Recovery  | = 111.360% |          |
| 35) Dibromofluoromethane      | 5.385     | 113   | 58297    | 50.050    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 75 - 124 | Recovery  | = 100.100% |          |
| 50) Toluene-d8                | 8.647     | 98    | 217700   | 49.710    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 92 - 112 | Recovery  | = 99.420%  |          |
| 62) 4-Bromofluorobenzene      | 11.079    | 95    | 76636    | 46.256    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 83 - 123 | Recovery  | = 92.520%  |          |
| Target Compounds              |           |       |          |           |            |          |
|                               |           |       |          |           | Qvalue     |          |
| 3) Chloromethane              | 1.294     | 50    | 252      | 0.211     | ug/l       | 97       |
| 5) Bromomethane               | 1.617     | 94    | 318      | 0.563     | ug/l       | 87       |
| 6) Chloroethane               | 1.630     | 64    | 270      | 0.298     | ug/l #     | 76       |
| 10) Methyl Iodide             | 2.453     | 142   | 404      | 0.312     | ug/l #     | 84       |
| 11) Tert butyl alcohol        | 2.940     | 59    | 1038     | Below Cal | #          | 72       |
| 16) Acetone                   | 2.373     | 43    | 605      | 0.927     | ug/l #     | 85       |
| 31) Cyclohexane               | 5.556     | 56    | 2121     | 1.169     | ug/l #     | 31       |
| 36) 1,1-Dichloropropene       | 5.544     | 75    | 7857     | 4.744     | ug/l #     | 50       |
| 38) Carbon Tetrachloride      | 5.556     | 117   | 10534    | 5.774     | ug/l #     | 17       |
| 76) 1,2,3-Trichloropropane    | 11.079    | 75    | 37041    | 23.891    | ug/l #     | 37       |
| 81) trans-1,4-Dichloro-2-b... | 11.079    | 75    | 37041    | 60.184    | ug/l #     | 9        |
| 95) Naphthalene               | 13.786    | 128   | 424      | Below Cal | #          | 69       |
| -----                         |           |       |          |           |            |          |

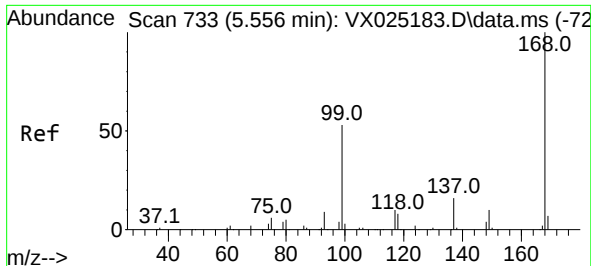
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX120321\  
Data File : VX025471.D  
Acq On : 03 Dec 2021 10:42  
Operator : JC/MD  
Sample : VX1203MBL01  
Misc : 5.0g/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1203MBL01

Quant Time: Dec 04 06:46:28 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X111721W.M  
Quant Title : SW846 8260  
QLast Update : Wed Nov 17 15:36:16 2021  
Response via : Initial Calibration

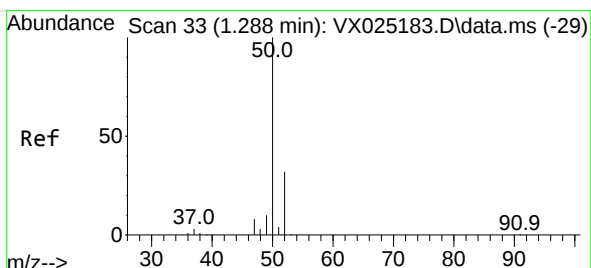
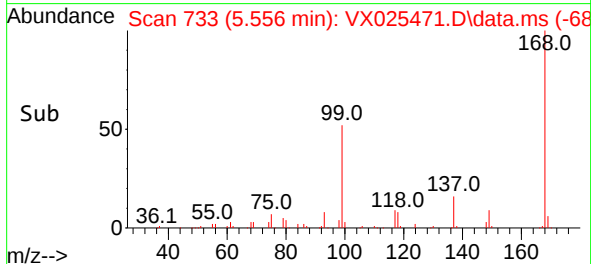
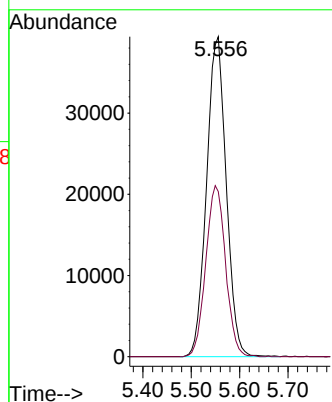
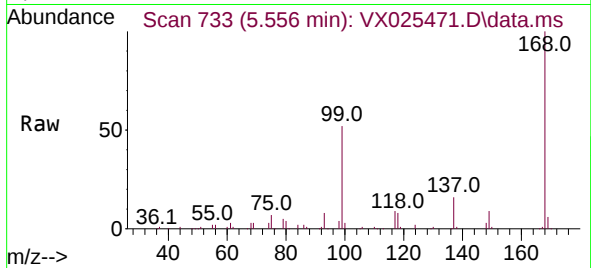




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX025471.D  
Acq: 03 Dec 2021 10:42

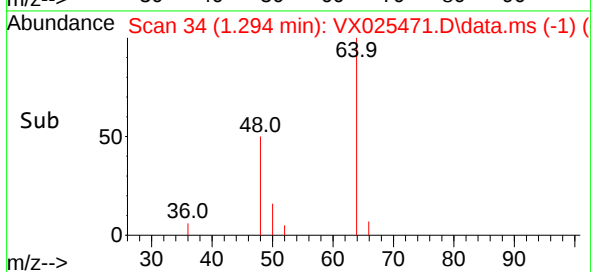
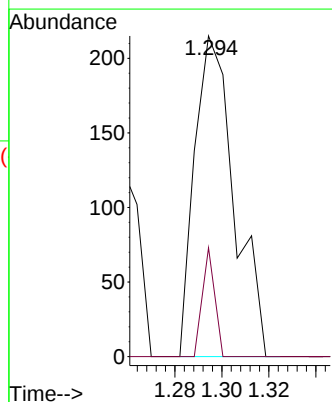
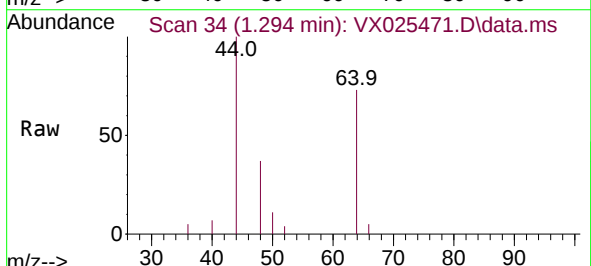
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1203MBL01

Tgt Ion:168 Resp: 111389  
Ion Ratio Lower Upper  
168 100  
99 51.6 46.4 69.6



#3  
Chloromethane  
Concen: 0.211 ug/l  
RT: 1.294 min Scan# 34  
Delta R.T. 0.006 min  
Lab File: VX025471.D  
Acq: 03 Dec 2021 10:42

Tgt Ion: 50 Resp: 252  
Ion Ratio Lower Upper  
50 100  
52 34.0 25.9 38.9

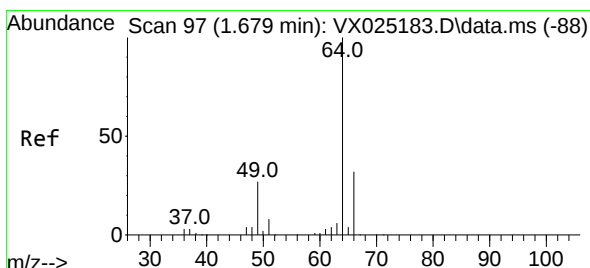
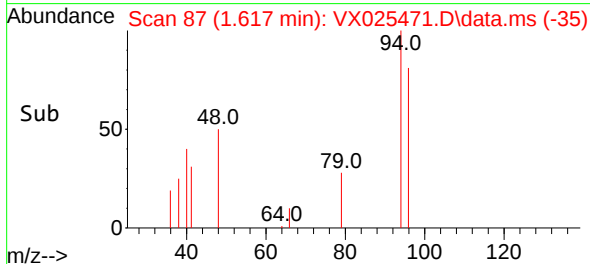
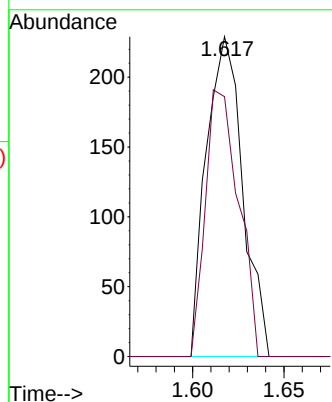
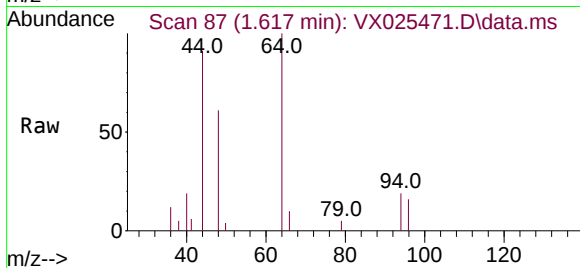




#5  
Bromomethane  
Concen: 0.563 ug/l  
RT: 1.617 min Scan# 81  
Delta R.T. 0.018 min  
Lab File: VX025471.D  
Acq: 03 Dec 2021 10:42

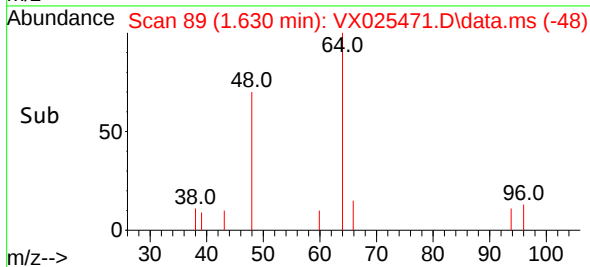
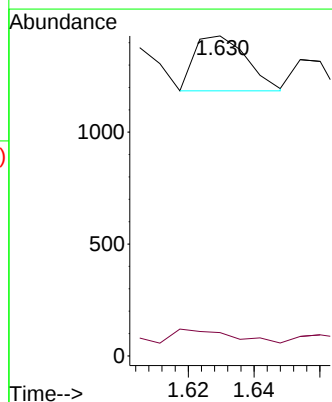
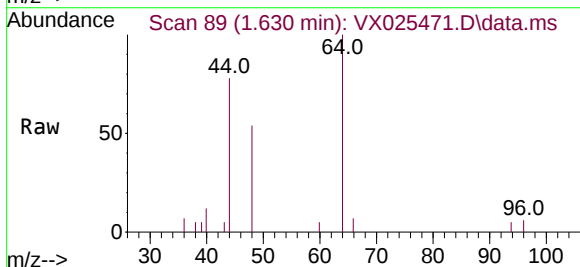
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1203MBL01

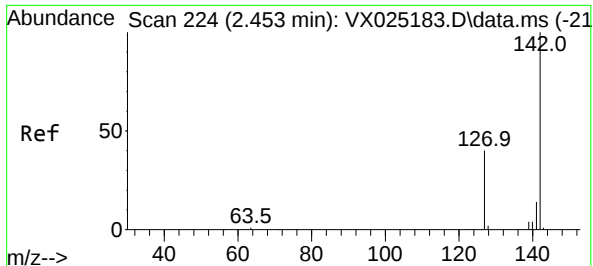
Tgt Ion: 94 Resp: 318  
Ion Ratio Lower Upper  
94 100  
96 81.2 74.8 112.2



#6  
Chloroethane  
Concen: 0.298 ug/l  
RT: 1.630 min Scan# 89  
Delta R.T. -0.049 min  
Lab File: VX025471.D  
Acq: 03 Dec 2021 10:42

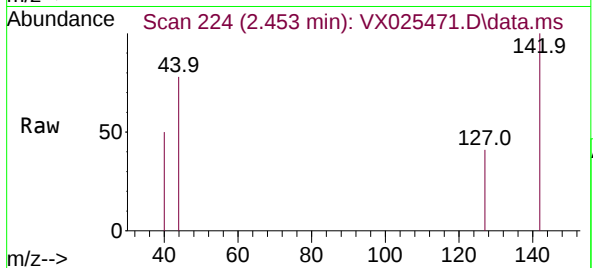
Tgt Ion: 64 Resp: 270  
Ion Ratio Lower Upper  
64 100  
66 18.8 25.6 38.4#



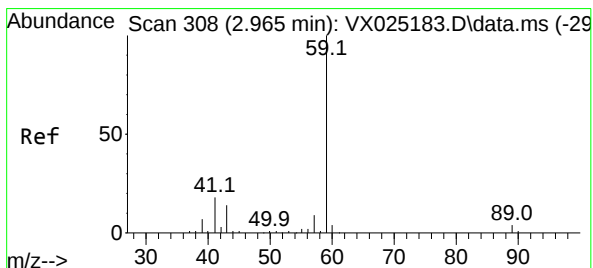
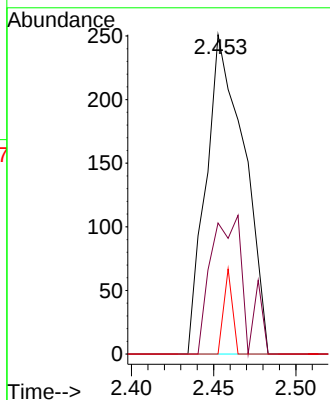
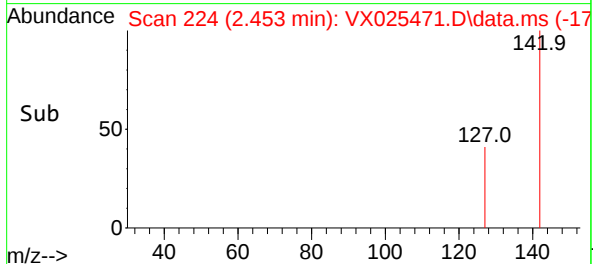


#10  
Methyl Iodide  
Concen: 0.312 ug/l  
RT: 2.453 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VX025471.D  
Acq: 03 Dec 2021 10:42

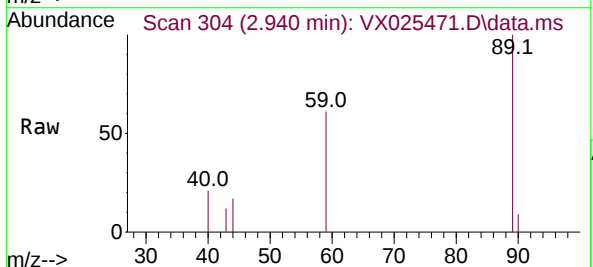
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1203MBL01



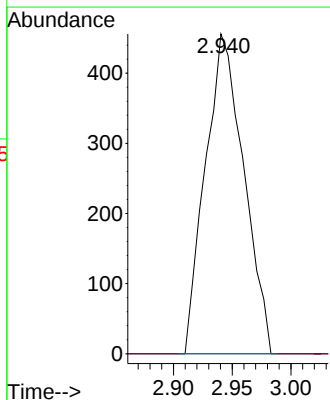
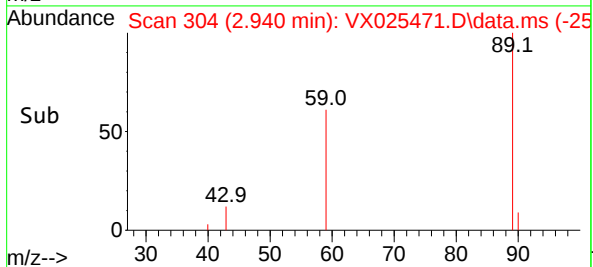
Tgt Ion:142 Resp: 404  
Ion Ratio Lower Upper  
142 100  
127 38.6 38.9 58.3#  
141 6.2 11.7 17.5#

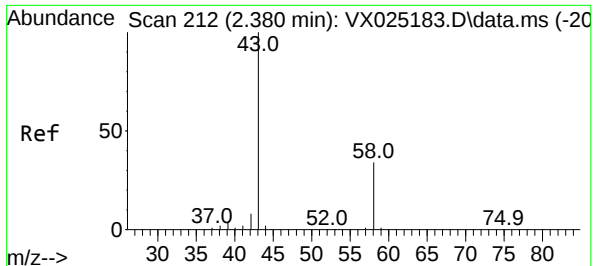


#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 2.940 min Scan# 304  
Delta R.T. -0.025 min  
Lab File: VX025471.D  
Acq: 03 Dec 2021 10:42



Tgt Ion: 59 Resp: 1038  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.5 12.7#

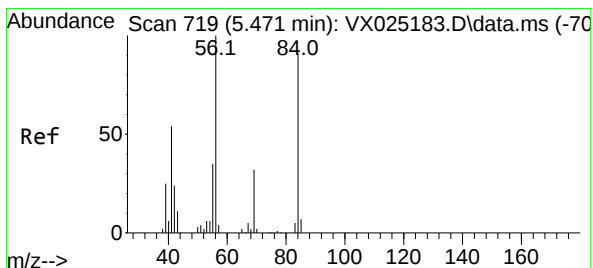
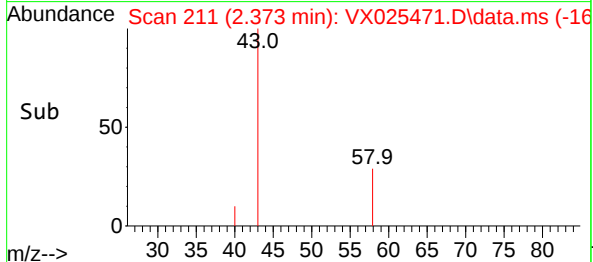
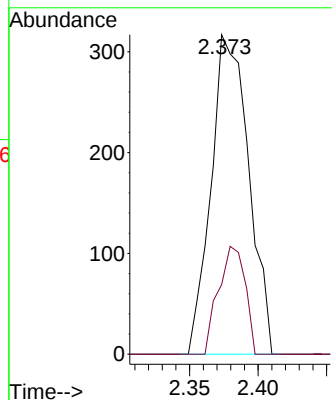
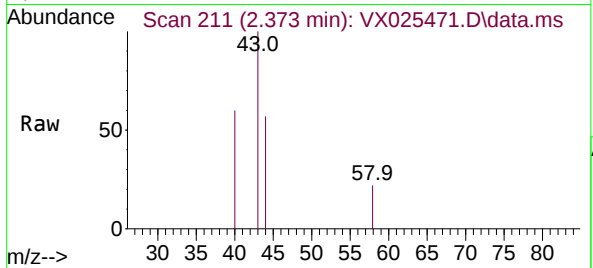




#16  
Acetone  
Concen: 0.927 ug/l  
RT: 2.373 min Scan# 211  
Delta R.T. -0.007 min  
Lab File: VX025471.D  
Acq: 03 Dec 2021 10:42

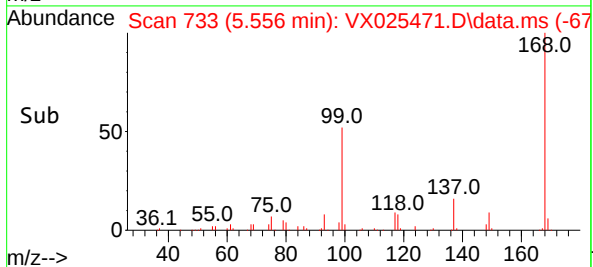
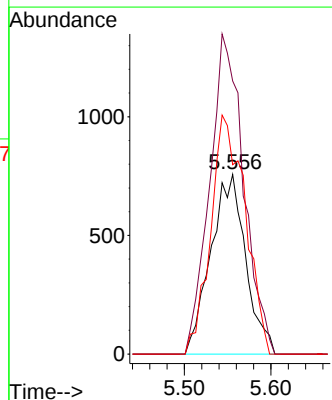
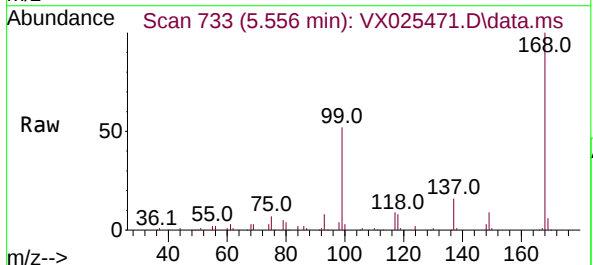
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1203MBL01

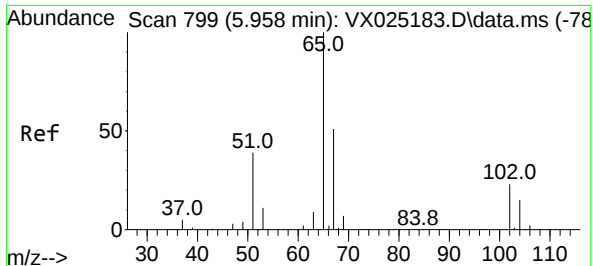
Tgt Ion: 43 Resp: 605  
Ion Ratio Lower Upper  
43 100  
58 21.8 24.0 36.0#



#31  
Cyclohexane  
Concen: 1.169 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. 0.085 min  
Lab File: VX025471.D  
Acq: 03 Dec 2021 10:42

Tgt Ion: 56 Resp: 2121  
Ion Ratio Lower Upper  
56 100  
69 152.0 24.2 36.2#  
84 105.4 71.5 107.3





#33

1,2-Dichloroethane-d4

Concen: 55.679 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX025471.D

Acq: 03 Dec 2021 10:42

Instrument :

MSVOA\_X

ClientSampleId :

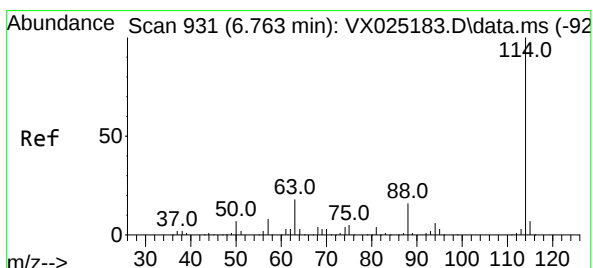
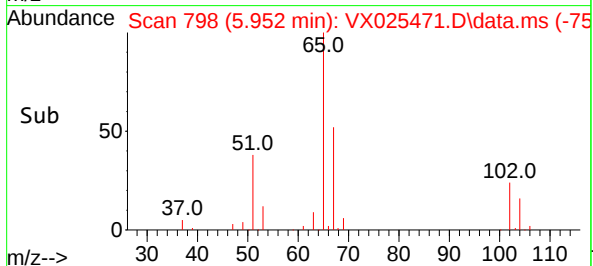
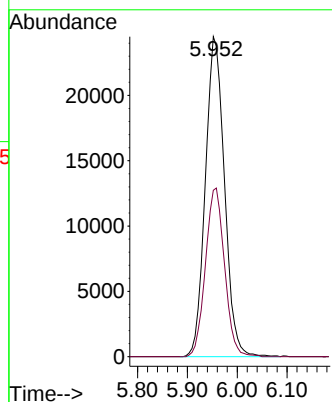
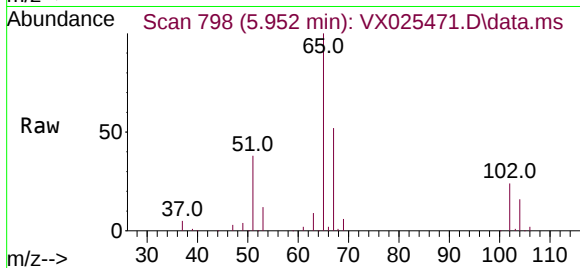
VX1203MBL01

Tgt Ion: 65 Resp: 65373

Ion Ratio Lower Upper

65 100

67 52.5 0.0 101.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX025471.D

Acq: 03 Dec 2021 10:42

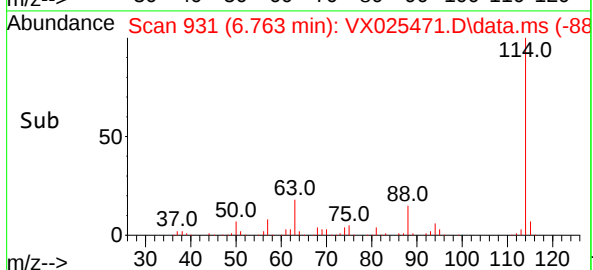
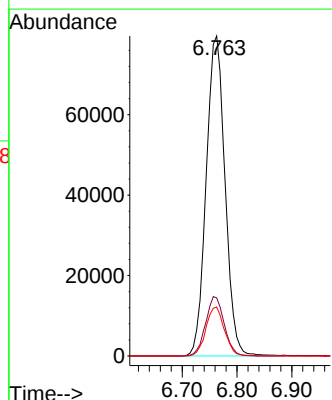
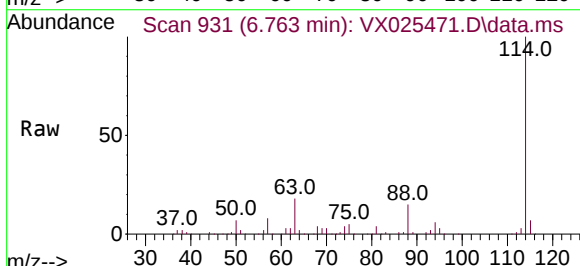
Tgt Ion: 114 Resp: 189836

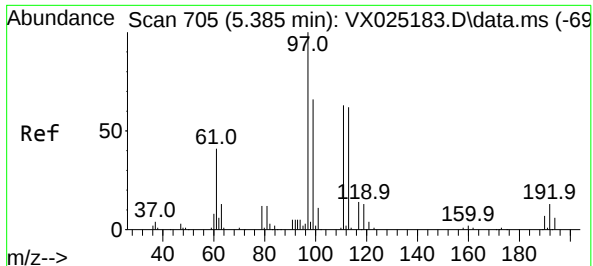
Ion Ratio Lower Upper

114 100

63 18.2 0.0 41.0

88 15.3 0.0 34.8

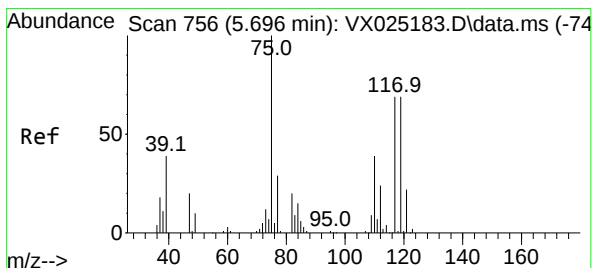
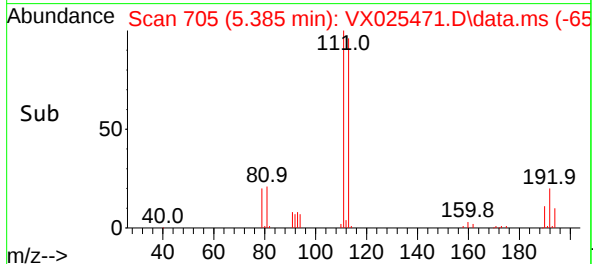
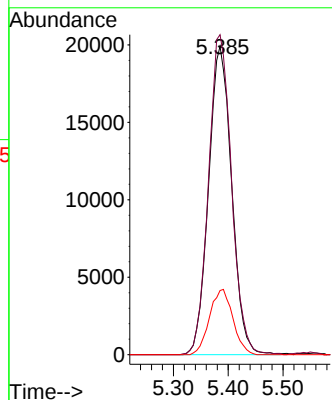
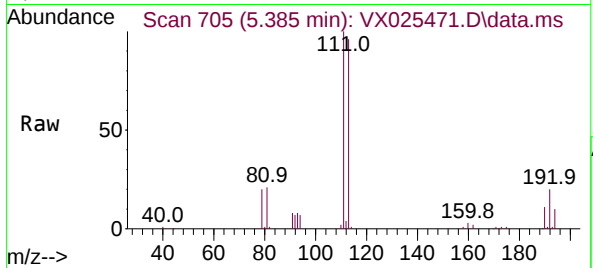




#35  
Dibromofluoromethane  
Concen: 50.050 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX025471.D  
Acq: 03 Dec 2021 10:42

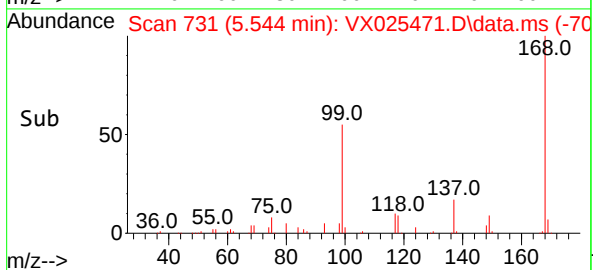
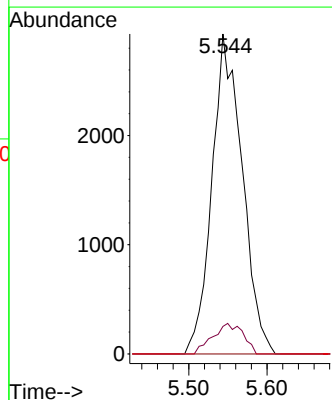
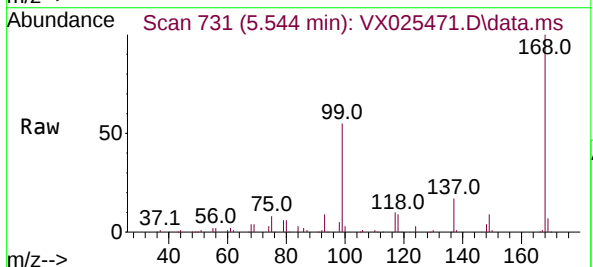
Instrument :  
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VX1203MBL01

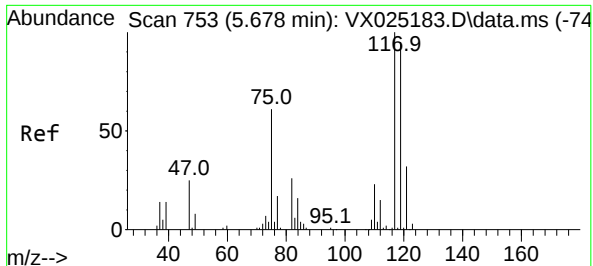
Tgt Ion:113 Resp: 58297  
Ion Ratio Lower Upper  
113 100  
111 103.5 82.1 123.1  
192 21.4 15.6 23.4



#36  
1,1-Dichloropropene  
Concen: 4.744 ug/l  
RT: 5.544 min Scan# 731  
Delta R.T. -0.152 min  
Lab File: VX025471.D  
Acq: 03 Dec 2021 10:42

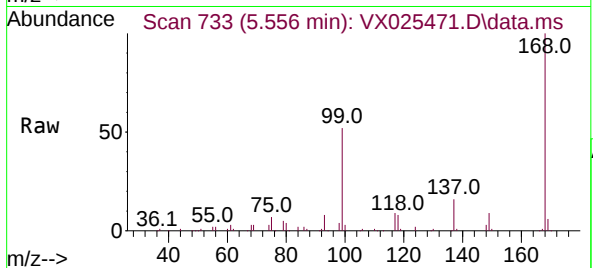
Tgt Ion: 75 Resp: 7857  
Ion Ratio Lower Upper  
75 100  
110 9.6 18.1 54.3#  
77 0.0 24.4 36.6#



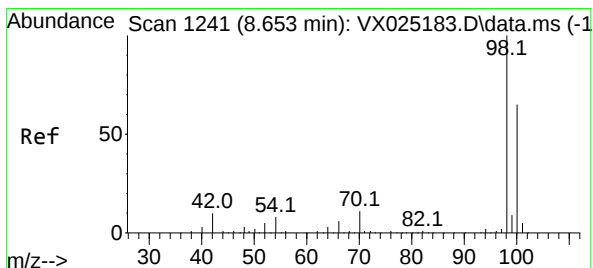
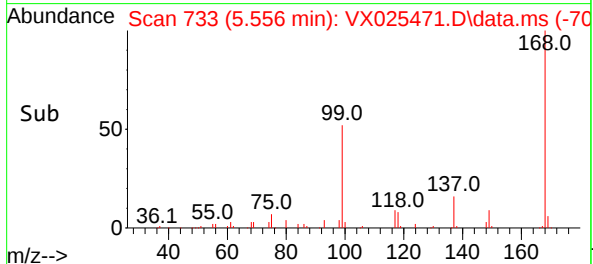
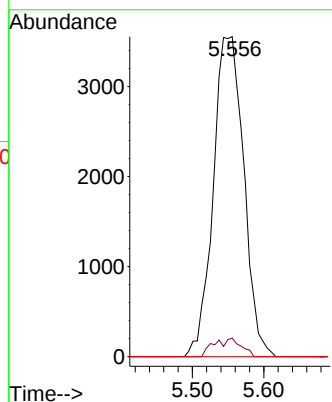


#38  
Carbon Tetrachloride  
Concen: 5.774 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.122 min  
Lab File: VX025471.D  
Acq: 03 Dec 2021 10:42

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1203MBL01

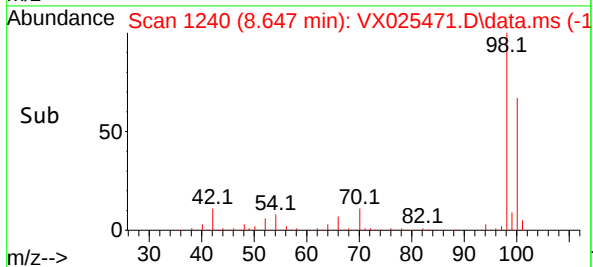
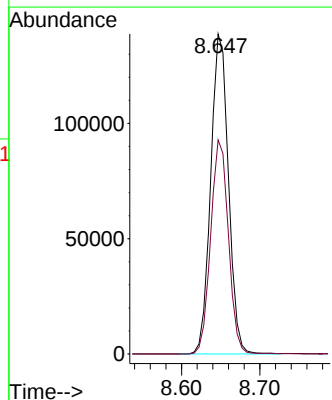
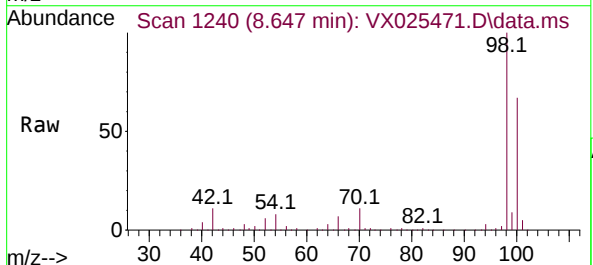


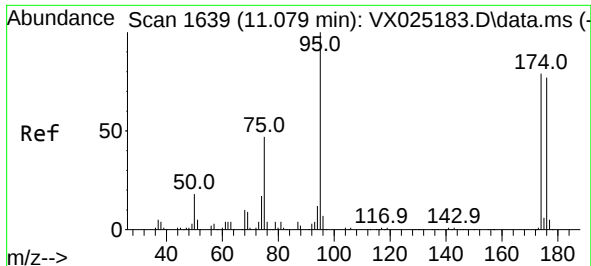
Tgt Ion:117 Resp: 10534  
Ion Ratio Lower Upper  
117 100  
119 5.8 75.6 113.4#  
121 0.0 23.7 35.5#



#50  
Toluene-d8  
Concen: 49.710 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. -0.006 min  
Lab File: VX025471.D  
Acq: 03 Dec 2021 10:42

Tgt Ion: 98 Resp: 217700  
Ion Ratio Lower Upper  
98 100  
100 66.9 51.4 77.0





#62

4-Bromofluorobenzene

Concen: 46.256 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX025471.D

Acq: 03 Dec 2021 10:42

Instrument :

MSVOA\_X

ClientSampleId :

VX1203MBL01

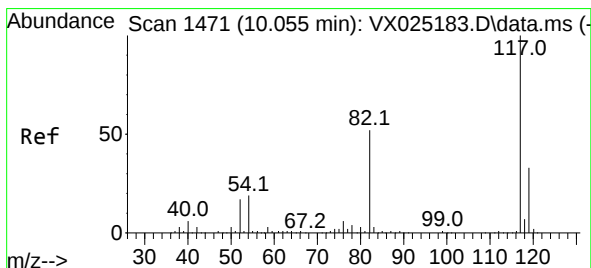
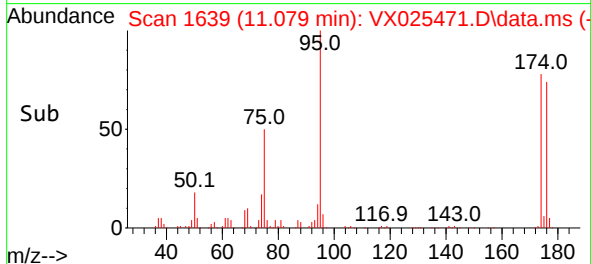
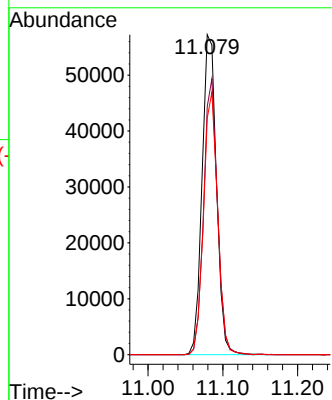
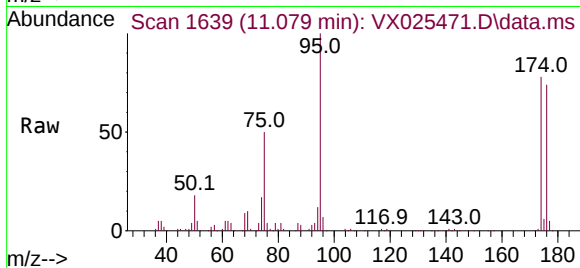
Tgt Ion: 95 Resp: 76636

Ion Ratio Lower Upper

95 100

174 82.7 0.0 158.0

176 80.2 0.0 153.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX025471.D

Acq: 03 Dec 2021 10:42

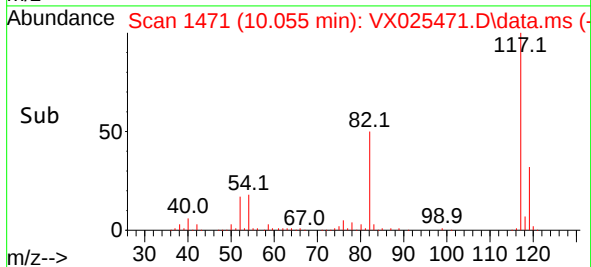
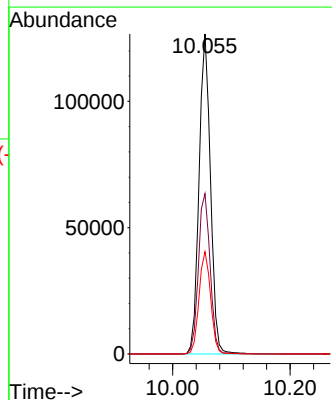
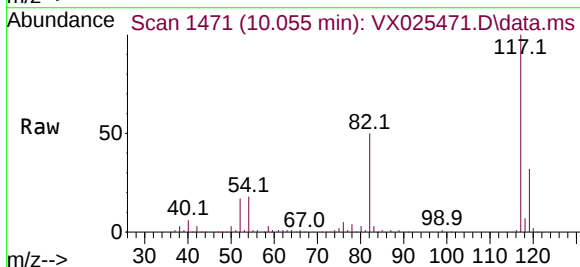
Tgt Ion: 117 Resp: 170338

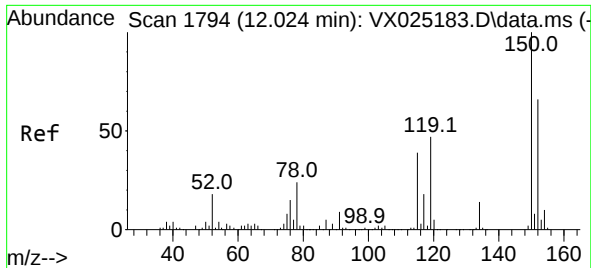
Ion Ratio Lower Upper

117 100

82 50.1 44.6 67.0

119 32.0 24.8 37.2

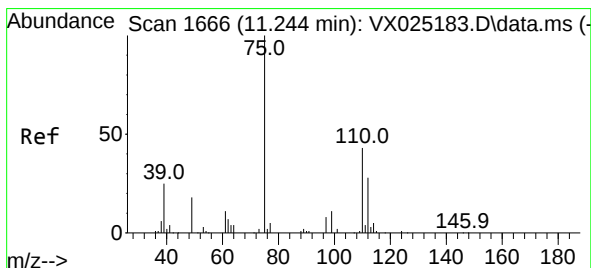
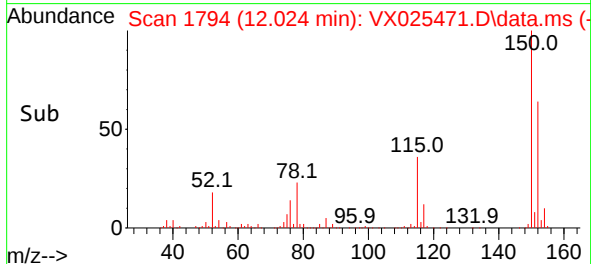
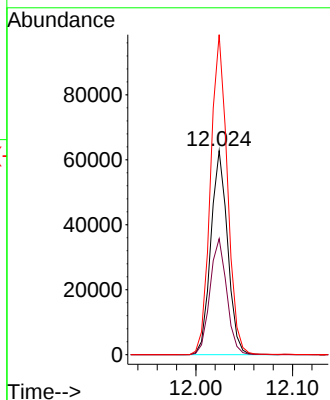
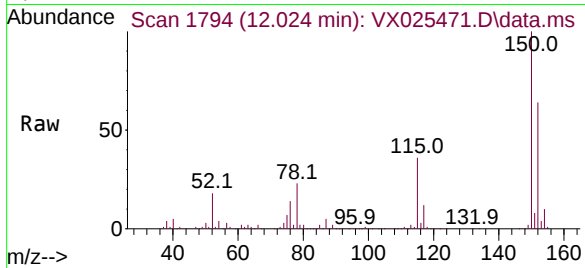




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VX025471.D  
 Acq: 03 Dec 2021 10:42

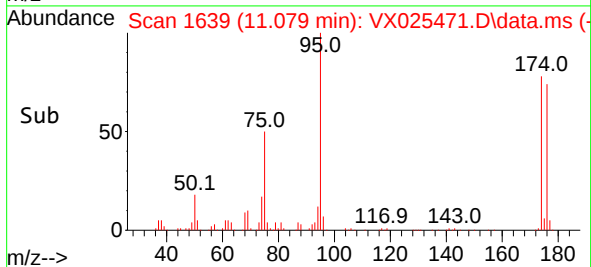
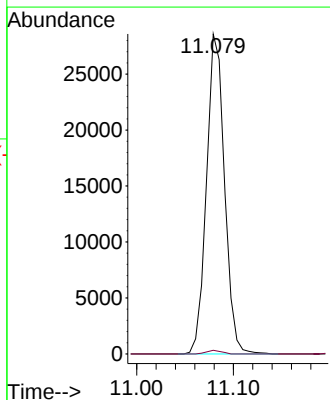
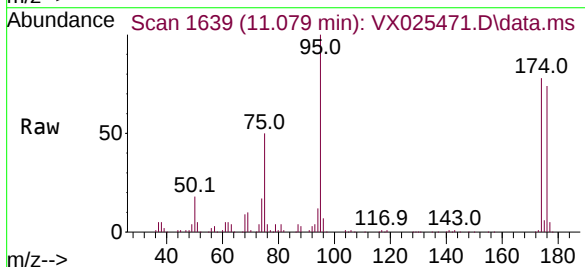
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1203MBL01

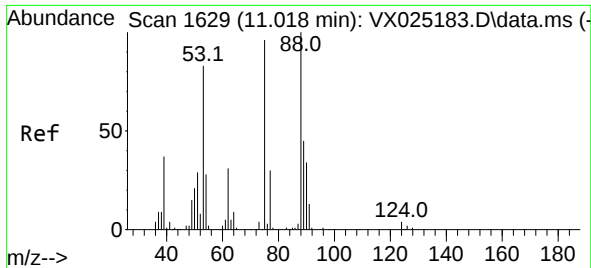
Tgt Ion:152 Resp: 75713  
 Ion Ratio Lower Upper  
 152 100  
 115 56.8 43.3 129.8  
 150 157.7 0.0 351.2



#76  
 1,2,3-Trichloropropane  
 Concen: 23.891 ug/l  
 RT: 11.079 min Scan# 1639  
 Delta R.T. -0.165 min  
 Lab File: VX025471.D  
 Acq: 03 Dec 2021 10:42

Tgt Ion: 75 Resp: 37041  
 Ion Ratio Lower Upper  
 75 100  
 77 0.9 20.0 59.9#

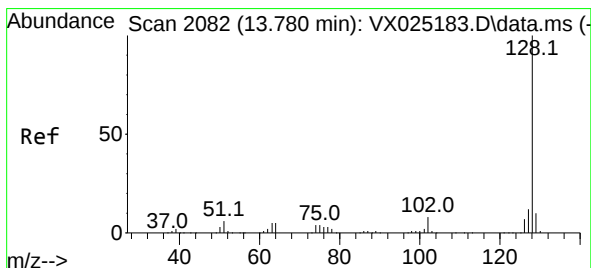
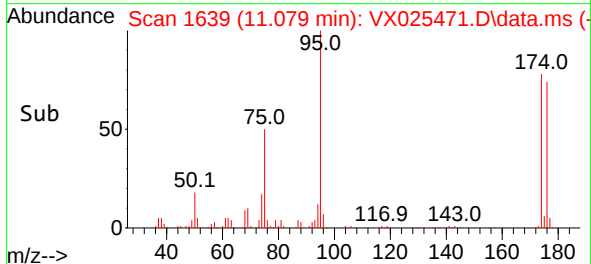
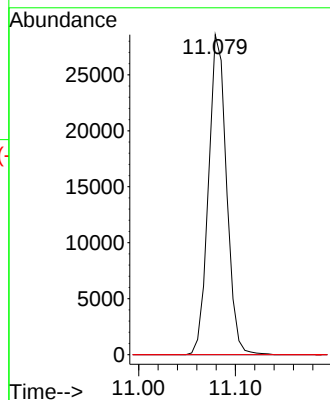
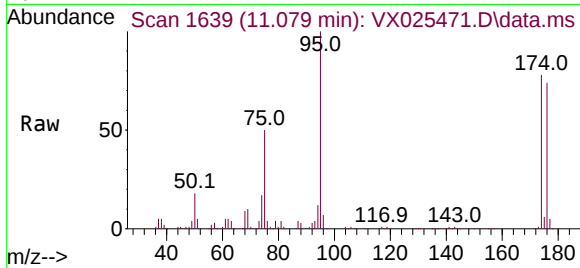




#81  
trans-1,4-Dichloro-2-butene  
Concen: 60.184 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX025471.D  
Acq: 03 Dec 2021 10:42

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1203MBL01

Tgt Ion: 75 Resp: 37041  
Ion Ratio Lower Upper  
75 100  
53 0.0 81.9 122.9#  
89 0.0 38.2 57.2#



#95  
Naphthalene  
Concen: Below Cal  
RT: 13.786 min Scan# 2083  
Delta R.T. 0.006 min  
Lab File: VX025471.D  
Acq: 03 Dec 2021 10:42

Tgt Ion: 128 Resp: 424  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.3 15.5#  
129 0.0 8.8 13.2#

