

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121621\  
 Data File : VX025831.D  
 Acq On : 15 Dec 2021 21:44  
 Operator : JC/MD  
 Sample : M5067-05  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BRICK

Quant Time: Dec 16 07:32:27 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X121321W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 14 07:02:11 2021  
 Response via : Initial Calibration

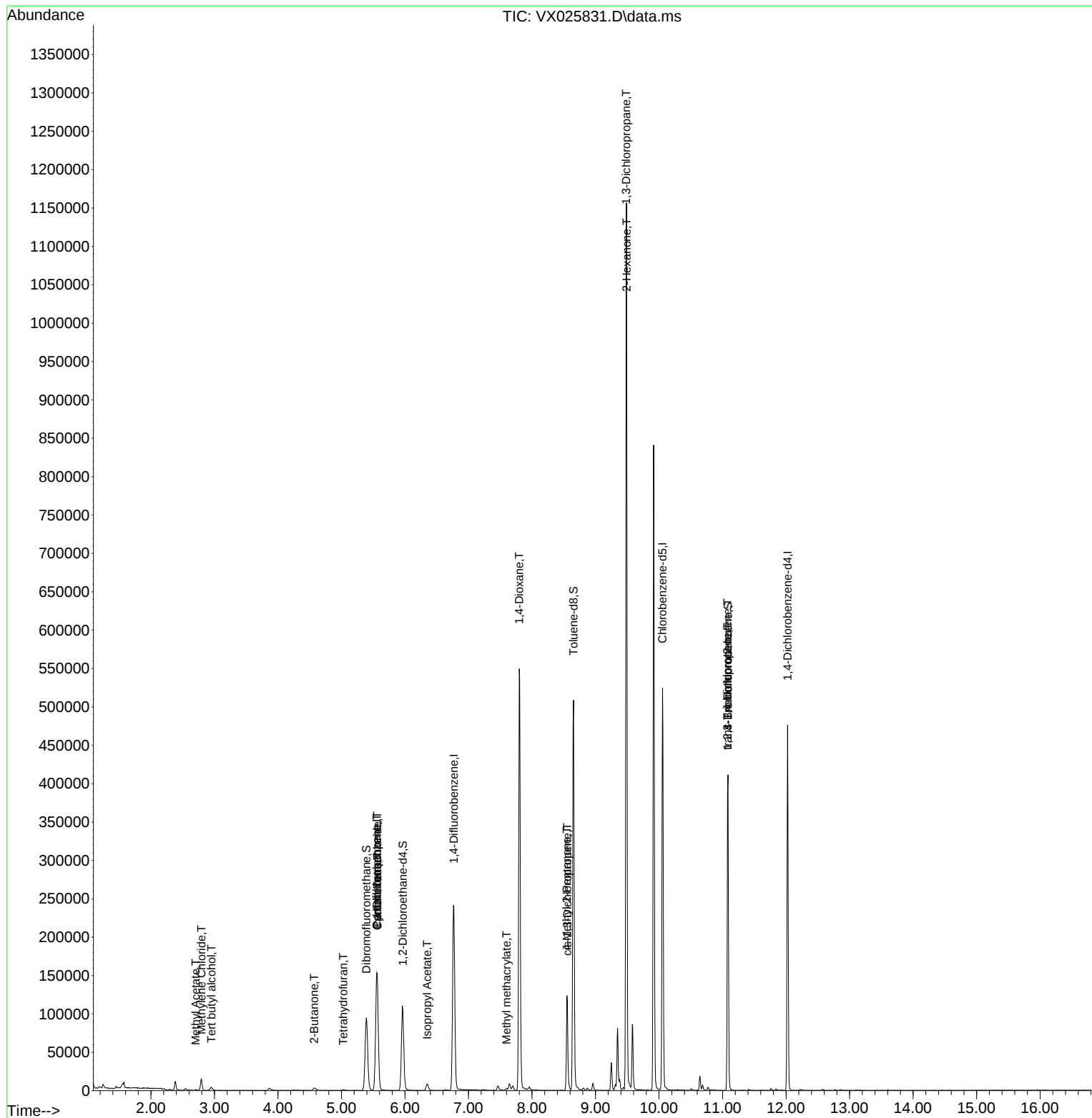
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 5.556  | 168   | 145432   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.769  | 114   | 250712   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 239385   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 95786    | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.964  | 65    | 100745   | 48.146    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery  | =      | 96.300%  |
| 35) Dibromofluoromethane      | 5.391  | 113   | 81703    | 46.728    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | =      | 93.460%  |
| 50) Toluene-d8                | 8.653  | 98    | 305080   | 47.888    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery  | =      | 95.780%  |
| 62) 4-Bromofluorobenzene      | 11.085 | 95    | 113473   | 46.890    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery  | =      | 93.780%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 11) Tert butyl alcohol        | 2.953  | 59    | 2813     | 6.702     | ug/l # | 73       |
| 16) Acetone                   | 2.380  | 43    | 12180    | Below Cal |        | 98       |
| 18) Methyl Acetate            | 2.703  | 43    | 1376     | 0.431     | ug/l # | 88       |
| 20) Methylene Chloride        | 2.794  | 84    | 6165     | 1.078     | ug/l   | 98       |
| 25) 2-Butanone                | 4.568  | 43    | 4755     | 3.379     | ug/l   | 94       |
| 29) Tetrahydrofuran           | 5.025  | 42    | 687      | 0.768     | ug/l # | 56       |
| 31) Cyclohexane               | 5.562  | 56    | 3452     | 1.357     | ug/l # | 33       |
| 36) 1,1-Dichloropropene       | 5.556  | 75    | 12359    | 5.212     | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 5.562  | 117   | 16065    | 5.823     | ug/l # | 17       |
| 43) Isopropyl Acetate         | 6.348  | 43    | 11227    | 2.645     | ug/l   | 99       |
| 48) Methyl methacrylate       | 7.598  | 41    | 3946     | 1.974     | ug/l # | 25       |
| 49) 1,4-Dioxane               | 7.799  | 88    | 46       | 1.054     | ug/l # | 1        |
| 51) 4-Methyl-2-Pentanone      | 8.549  | 43    | 43439    | 15.634    | ug/l # | 51       |
| 54) cis-1,3-Dichloropropene   | 8.555  | 75    | 19173    | 6.720     | ug/l # | 63       |
| 57) 1,3-Dichloropropane       | 9.482  | 76    | 9932     | 3.133     | ug/l # | 42       |
| 59) 2-Hexanone                | 9.488  | 43    | 136800   | 64.984    | ug/l # | 52       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 57444    | 26.175    | ug/l # | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 57444    | 81.149    | ug/l # | 10       |
| -----                         |        |       |          |           |        |          |

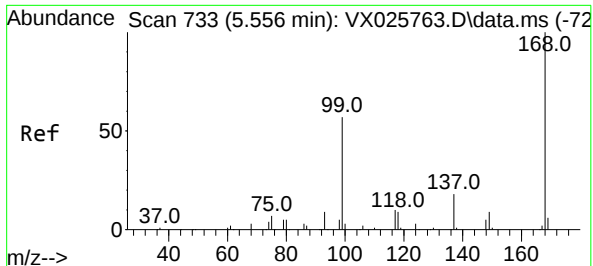
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121621\  
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Sample : M5067-05  
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Instrument :  
MSVOA\_X  
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BRICK

Quant Time: Dec 16 07:32:27 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X121321W.M  
Quant Title : SW846 8260  
QLast Update : Tue Dec 14 07:02:11 2021  
Response via : Initial Calibration

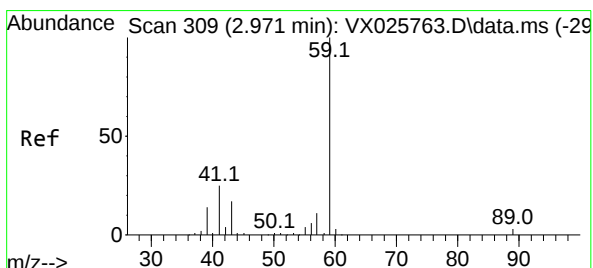
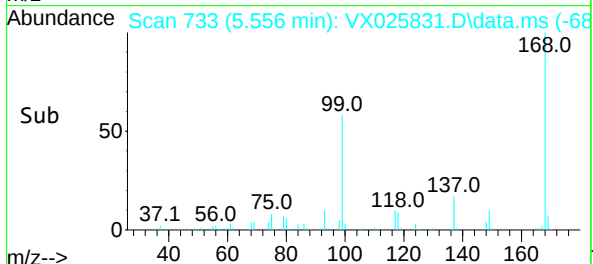
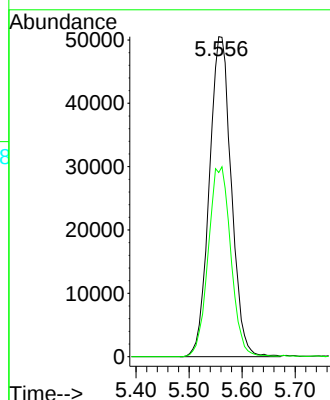
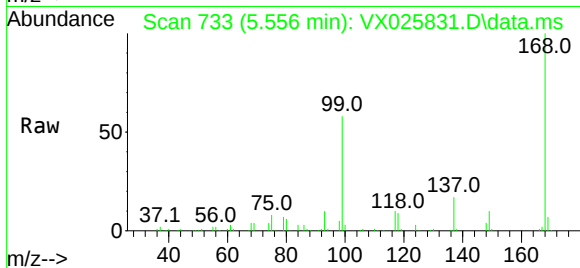




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX025831.D  
Acq: 15 Dec 2021 21:44

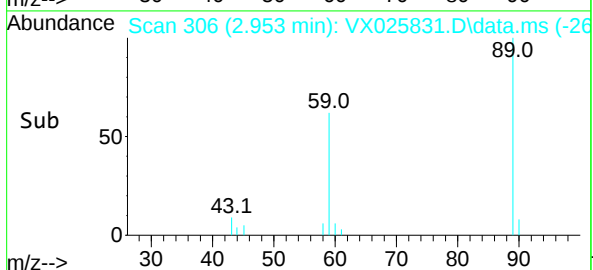
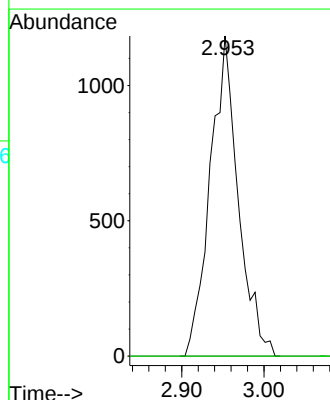
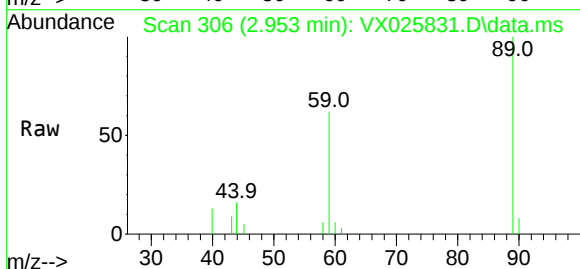
Instrument :  
MSVOA\_X  
ClientSampleId :  
BRICK

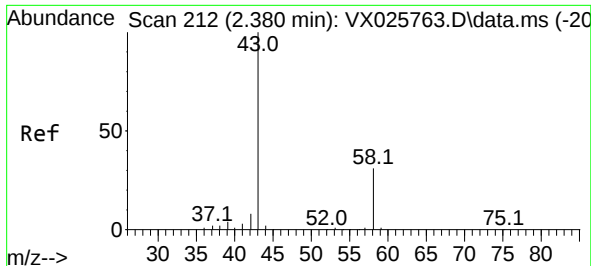
Tgt Ion:168 Resp: 145432  
Ion Ratio Lower Upper  
168 100  
99 57.6 45.8 68.8



#11  
Tert butyl alcohol  
Concen: 6.702 ug/l  
RT: 2.953 min Scan# 306  
Delta R.T. -0.018 min  
Lab File: VX025831.D  
Acq: 15 Dec 2021 21:44

Tgt Ion: 59 Resp: 2813  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.2 12.2#

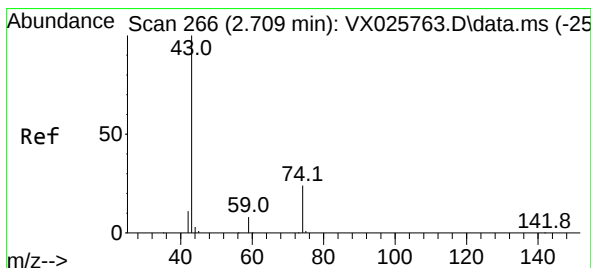
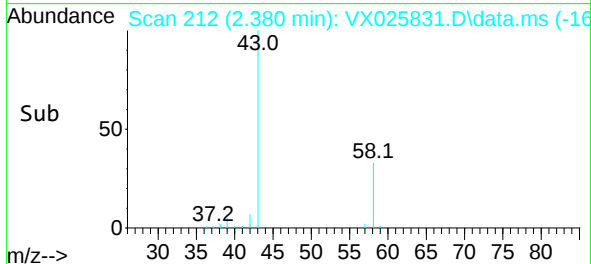
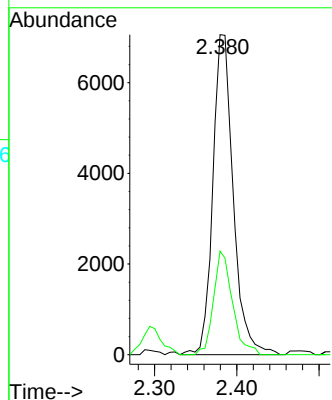
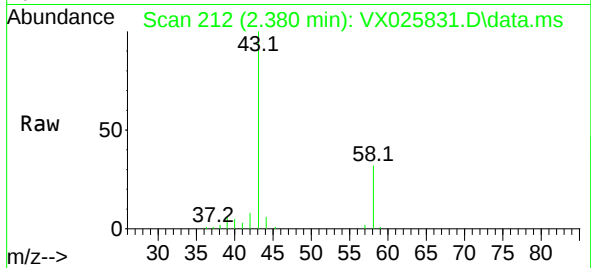




#16  
Acetone  
Concen: Below Cal  
RT: 2.380 min Scan# 212  
Delta R.T. -0.000 min  
Lab File: VX025831.D  
Acq: 15 Dec 2021 21:44

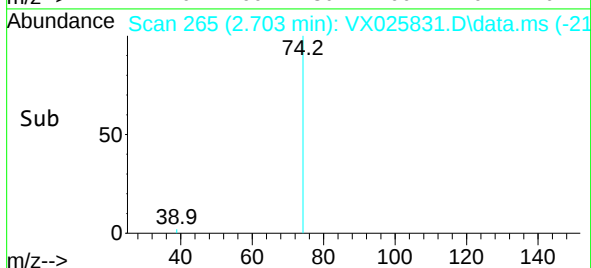
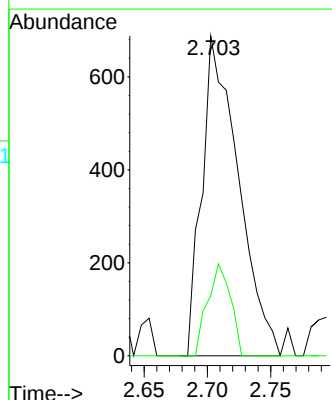
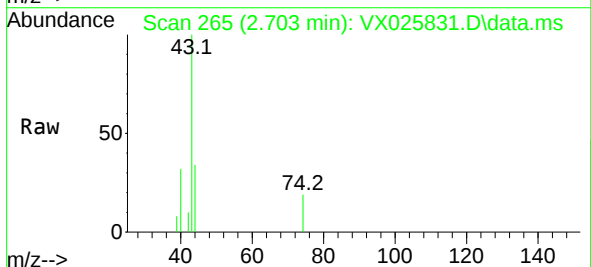
Instrument :  
MSVOA\_X  
ClientSampleId :  
BRICK

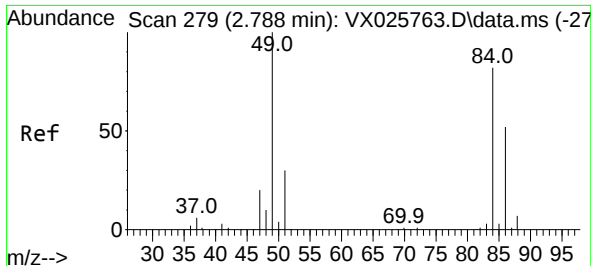
Tgt Ion: 43 Resp: 12180  
Ion Ratio Lower Upper  
43 100  
58 32.3 24.8 37.2



#18  
Methyl Acetate  
Concen: 0.431 ug/l  
RT: 2.703 min Scan# 265  
Delta R.T. -0.006 min  
Lab File: VX025831.D  
Acq: 15 Dec 2021 21:44

Tgt Ion: 43 Resp: 1376  
Ion Ratio Lower Upper  
43 100  
74 18.1 19.1 28.7#

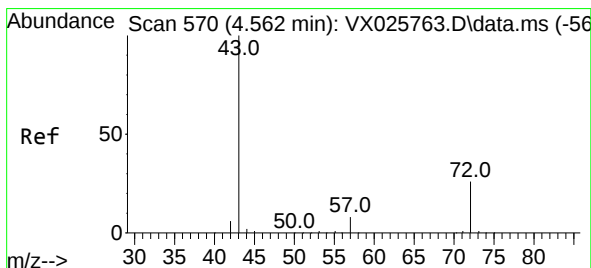
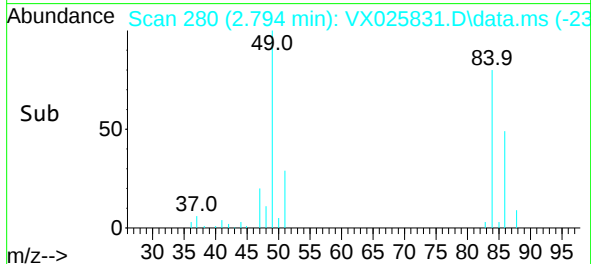
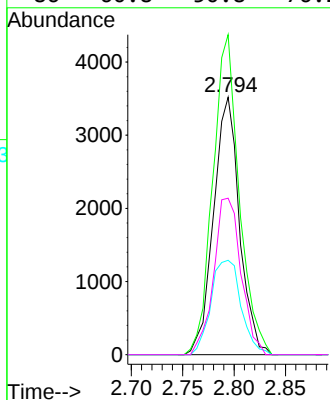
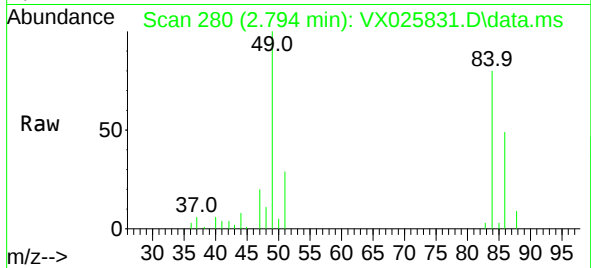




#20  
Methylene Chloride  
Concen: 1.078 ug/l  
RT: 2.794 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VX025831.D  
Acq: 15 Dec 2021 21:44

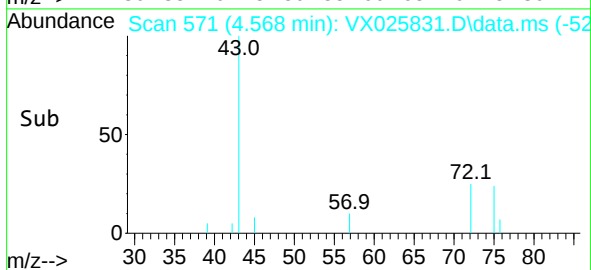
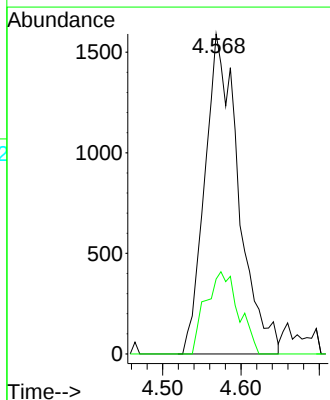
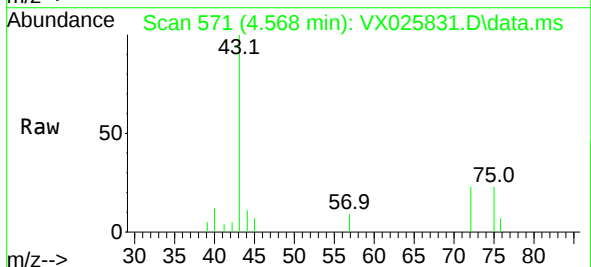
Instrument :  
MSVOA\_X  
ClientSampleId :  
BRICK

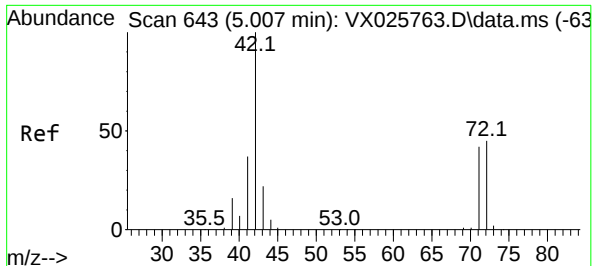
|             |             |
|-------------|-------------|
| Tgt Ion: 84 | Resp: 6165  |
| Ion Ratio   | Lower Upper |
| 84 100      |             |
| 49 124.3    | 97.1 145.7  |
| 51 36.7     | 29.3 43.9   |
| 86 60.8     | 50.8 76.2   |



#25  
2-Butanone  
Concen: 3.379 ug/l  
RT: 4.568 min Scan# 571  
Delta R.T. 0.006 min  
Lab File: VX025831.D  
Acq: 15 Dec 2021 21:44

|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 4755  |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 72 23.4     | 21.0 31.4   |





#29

Tetrahydrofuran

Concen: 0.768 ug/l

RT: 5.025 min Scan# 64

Delta R.T. 0.018 min

Lab File: VX025831.D

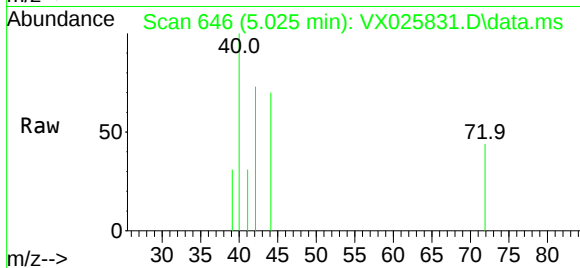
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Instrument :

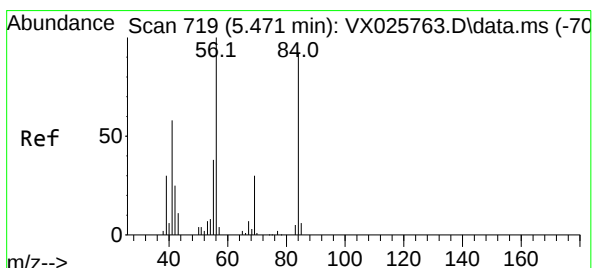
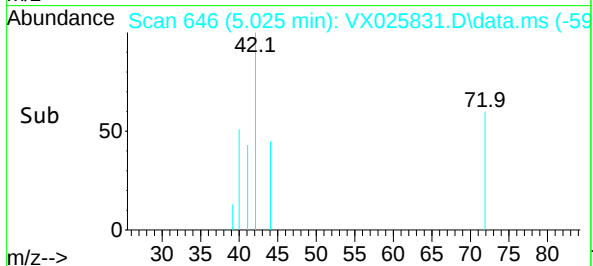
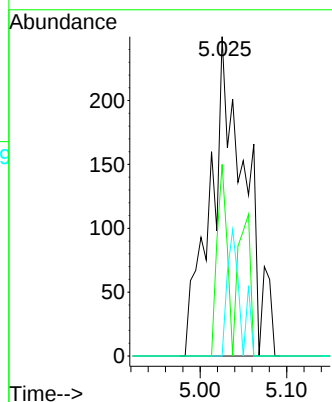
MSVOA\_X

ClientSampleId :

BRICK



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 42    | Resp: | 687   |
| Ion Ratio | Lower | Upper |       |
| 42        | 100   |       |       |
| 72        | 17.3  | 37.0  | 55.6# |
| 71        | 14.8  | 34.1  | 51.1# |



#31

Cyclohexane

Concen: 1.357 ug/l

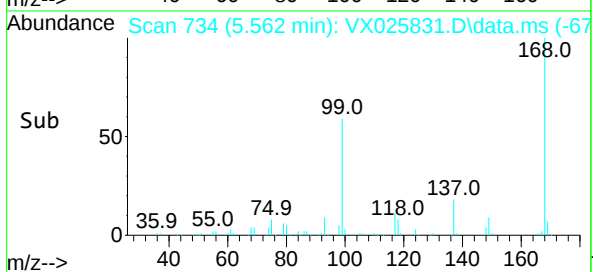
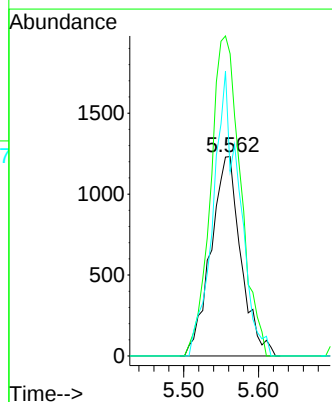
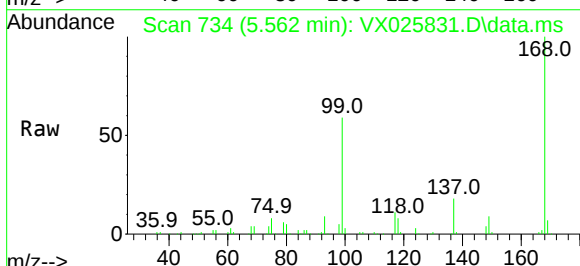
RT: 5.562 min Scan# 734

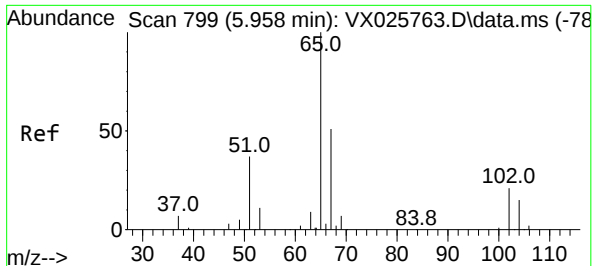
Delta R.T. 0.091 min

Lab File: VX025831.D

Acq: 15 Dec 2021 21:44

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 56    | Resp: | 3452  |
| Ion Ratio | Lower | Upper |       |
| 56        | 100   |       |       |
| 69        | 151.5 | 23.9  | 35.9# |
| 84        | 105.7 | 73.2  | 109.8 |





#33

1,2-Dichloroethane-d4

Concen: 48.146 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.006 min

Lab File: VX025831.D

Acq: 15 Dec 2021 21:44

Instrument :

MSVOA\_X

ClientSampleId :

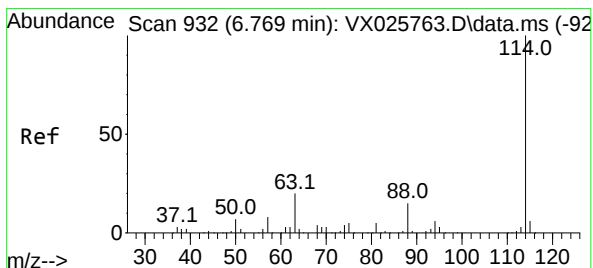
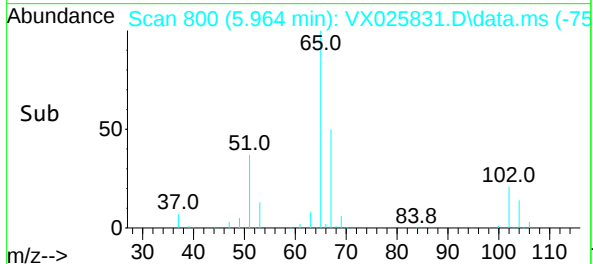
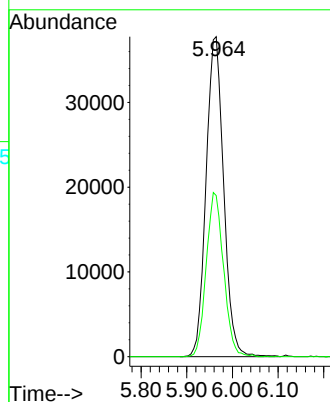
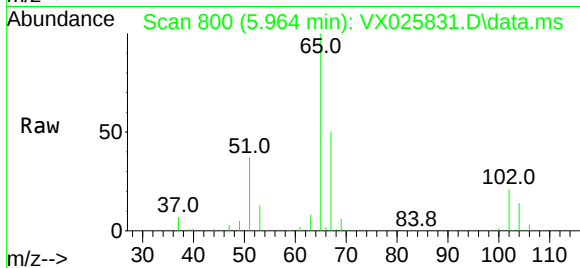
BRICK

Tgt Ion: 65 Resp: 100745

Ion Ratio Lower Upper

65 100

67 50.6 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.000 min

Lab File: VX025831.D

Acq: 15 Dec 2021 21:44

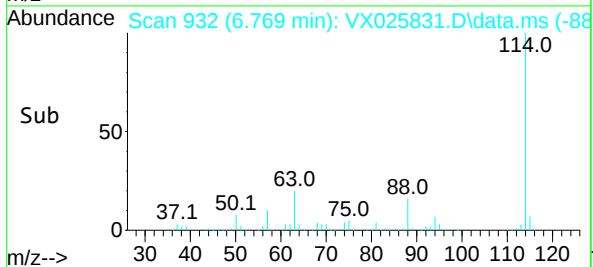
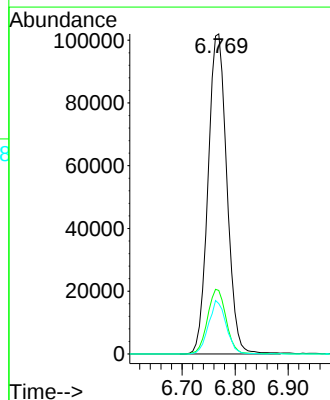
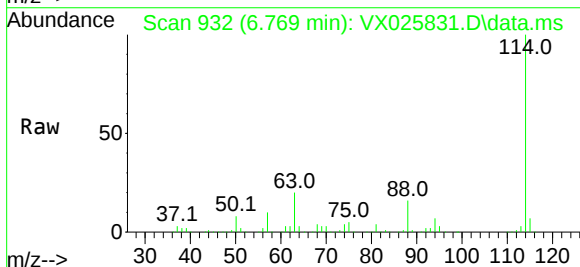
Tgt Ion: 114 Resp: 250712

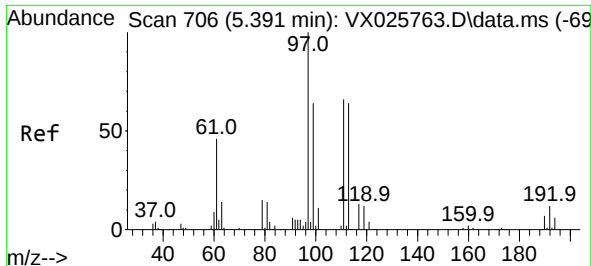
Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.0

88 15.8 0.0 30.6

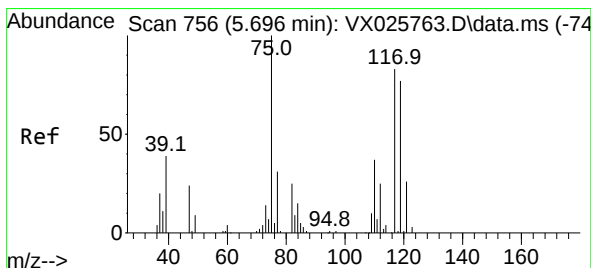
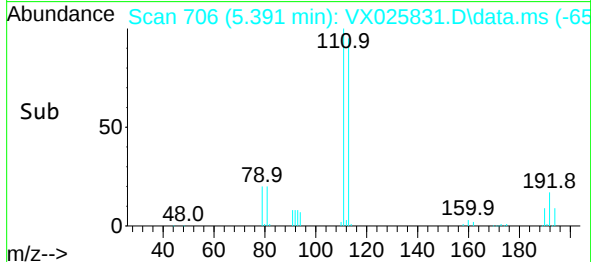
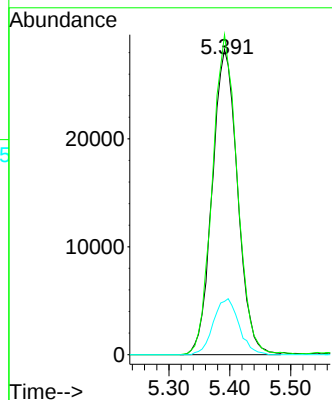
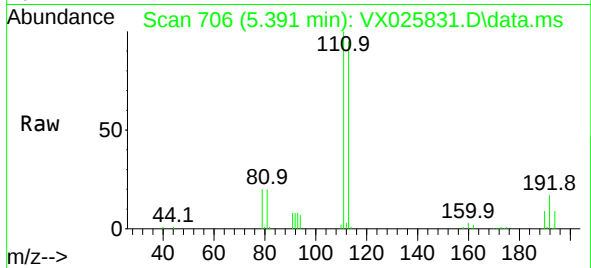




#35  
Dibromofluoromethane  
Concen: 46.728 ug/l  
RT: 5.391 min Scan# 706  
Delta R.T. -0.000 min  
Lab File: VX025831.D  
Acq: 15 Dec 2021 21:44

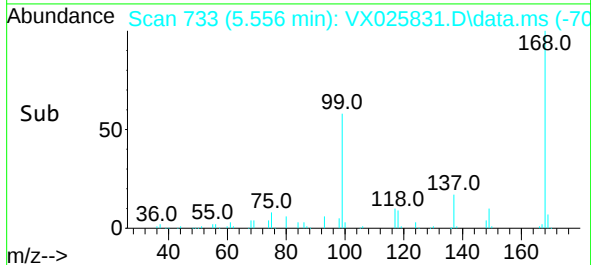
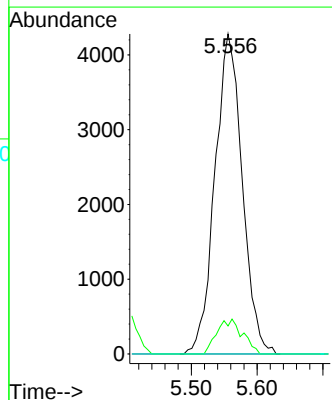
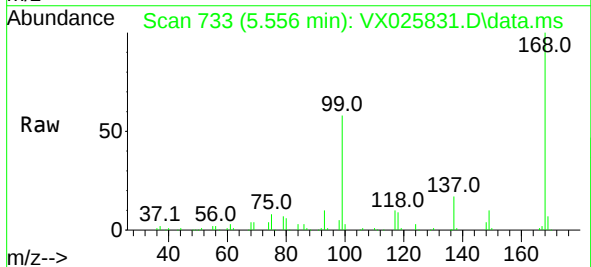
Instrument :  
MSVOA\_X  
ClientSampleId :  
BRICK

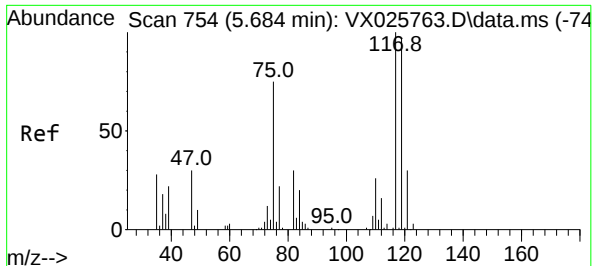
Tgt Ion:113 Resp: 81703  
Ion Ratio Lower Upper  
113 100  
111 103.4 81.8 122.8  
192 18.5 15.0 22.4



#36  
1,1-Dichloropropene  
Concen: 5.212 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. -0.140 min  
Lab File: VX025831.D  
Acq: 15 Dec 2021 21:44

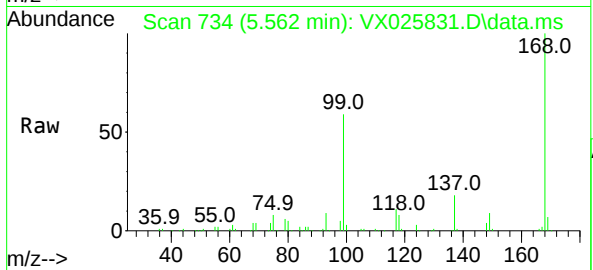
Tgt Ion: 75 Resp: 12359  
Ion Ratio Lower Upper  
75 100  
110 10.3 18.2 54.6#  
77 0.0 24.7 37.1#



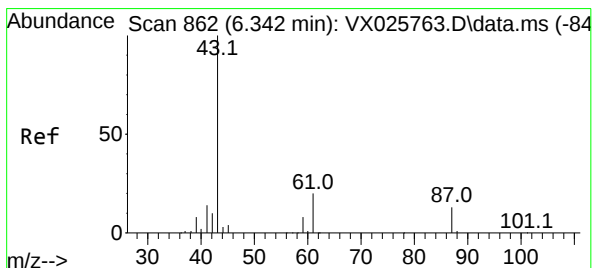
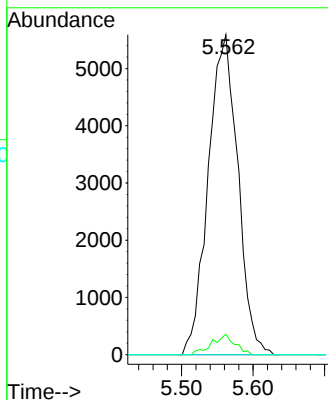
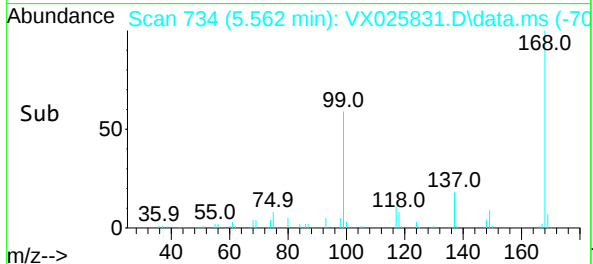


#38  
Carbon Tetrachloride  
Concen: 5.823 ug/l  
RT: 5.562 min Scan# 71  
Delta R.T. -0.122 min  
Lab File: VX025831.D  
Acq: 15 Dec 2021 21:44

Instrument :  
MSVOA\_X  
ClientSampleId :  
BRICK

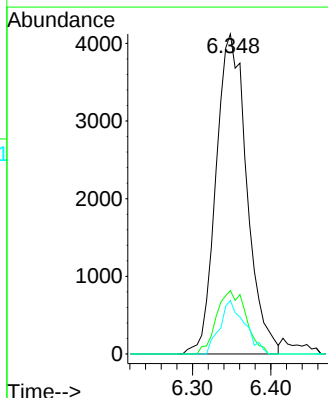
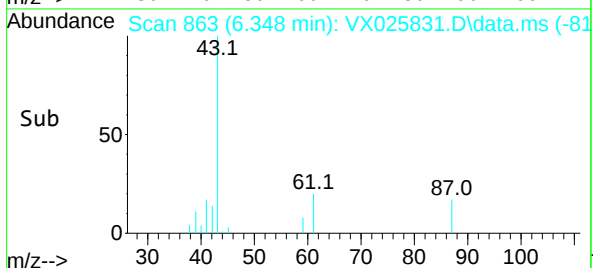
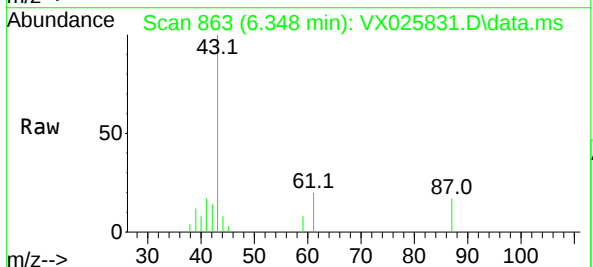


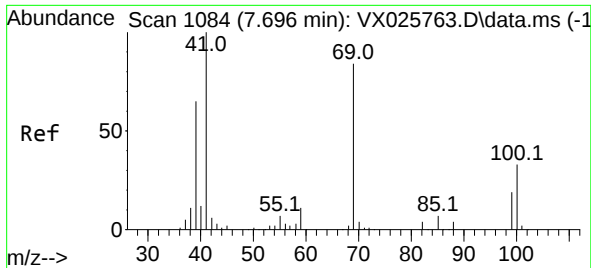
Tgt Ion:117 Resp: 16065  
Ion Ratio Lower Upper  
117 100  
119 6.4 77.2 115.8#  
121 0.0 23.8 35.8#



#43  
Isopropyl Acetate  
Concen: 2.645 ug/l  
RT: 6.348 min Scan# 863  
Delta R.T. 0.006 min  
Lab File: VX025831.D  
Acq: 15 Dec 2021 21:44

Tgt Ion: 43 Resp: 11227  
Ion Ratio Lower Upper  
43 100  
61 19.1 15.7 23.5  
87 13.5 11.2 16.8





#48

Methyl methacrylate

Concen: 1.974 ug/l

RT: 7.598 min Scan# 1100

Delta R.T. -0.098 min

Lab File: VX025831.D

Acq: 15 Dec 2021 21:44

Instrument :

MSVOA\_X

ClientSampleId :

BRICK

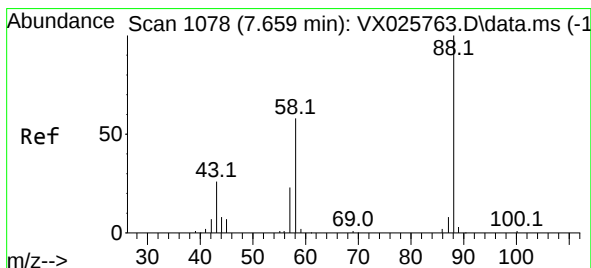
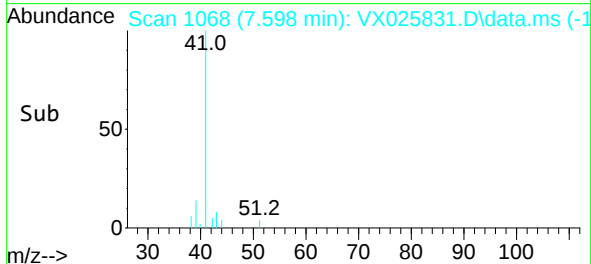
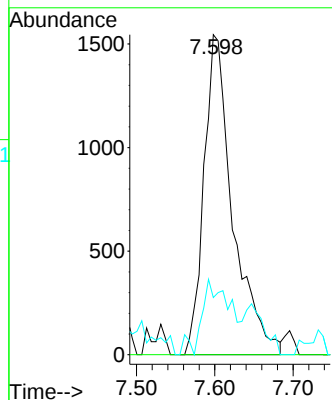
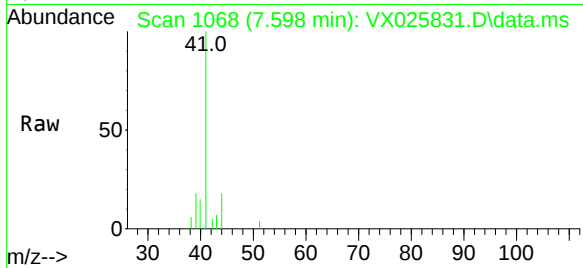
Tgt Ion: 41 Resp: 3946

Ion Ratio Lower Upper

41 100

69 0.0 67.3 100.9#

39 23.8 50.2 75.2#



#49

1,4-Dioxane

Concen: 1.054 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.140 min

Lab File: VX025831.D

Acq: 15 Dec 2021 21:44

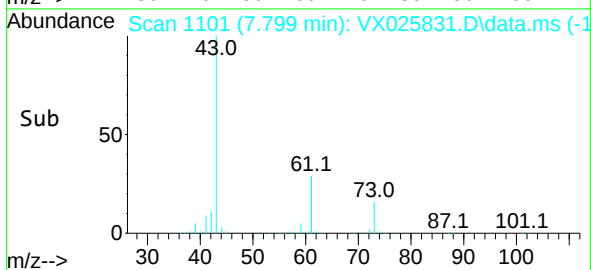
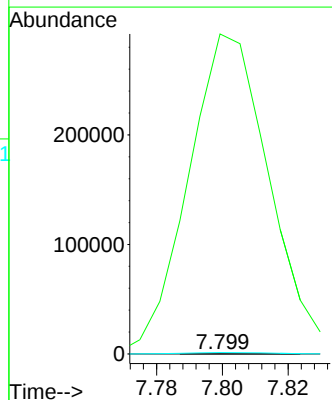
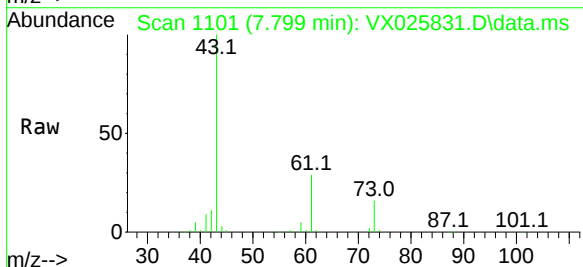
Tgt Ion: 88 Resp: 46

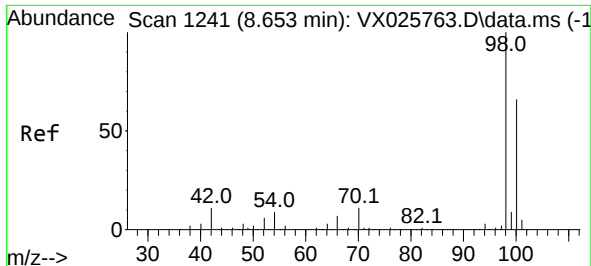
Ion Ratio Lower Upper

88 100

43 1103443.5 25.3 37.9#

58 5430.4 51.8 77.6#

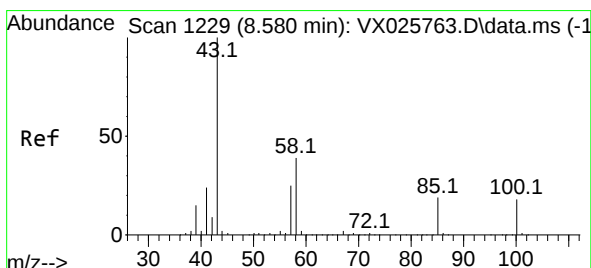
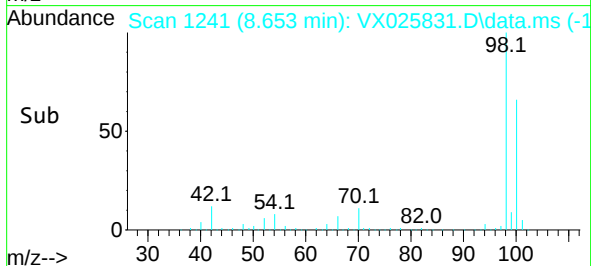
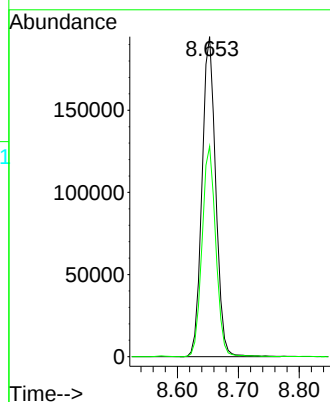
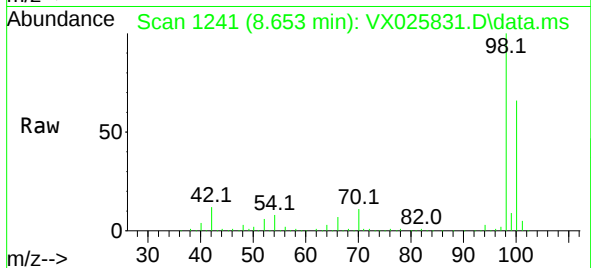




#50  
Toluene-d8  
Concen: 47.888 ug/l  
RT: 8.653 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX025831.D  
Acq: 15 Dec 2021 21:44

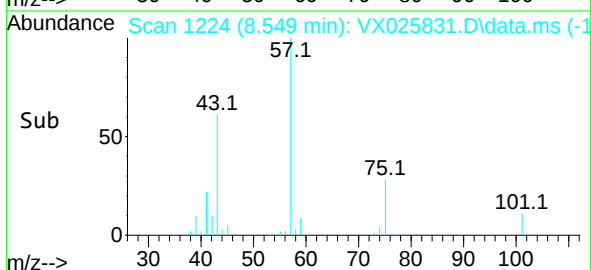
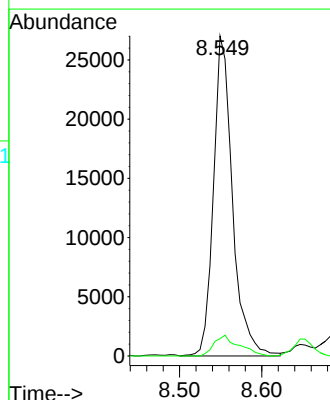
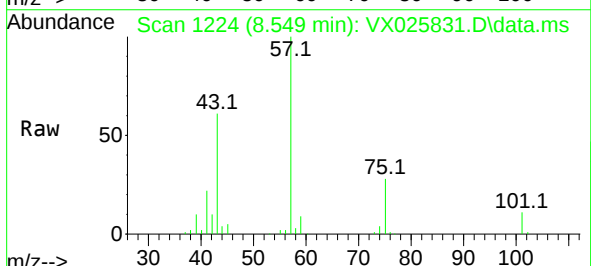
Instrument :  
MSVOA\_X  
ClientSampleId :  
BRICK

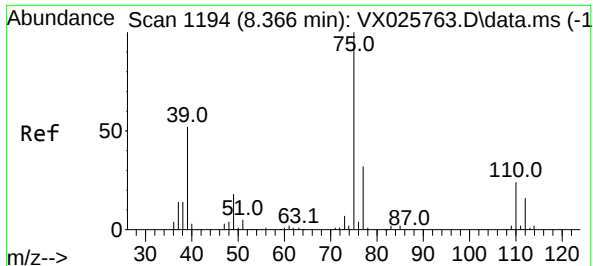
Tgt Ion: 98 Resp: 305080  
Ion Ratio Lower Upper  
98 100  
100 66.0 52.6 78.8



#51  
4-Methyl-2-Pentanone  
Concen: 15.634 ug/l  
RT: 8.549 min Scan# 1224  
Delta R.T. -0.031 min  
Lab File: VX025831.D  
Acq: 15 Dec 2021 21:44

Tgt Ion: 43 Resp: 43439  
Ion Ratio Lower Upper  
43 100  
58 8.5 30.8 46.2#

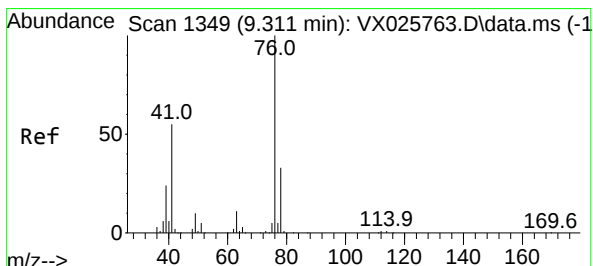
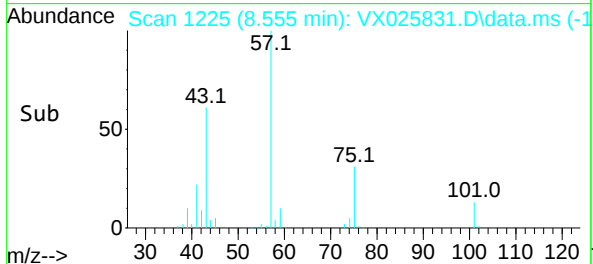
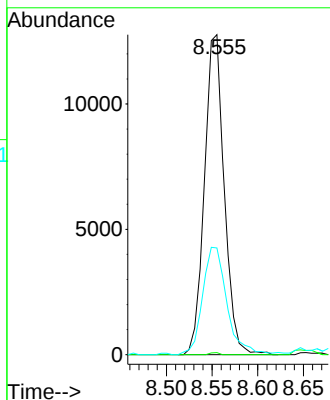
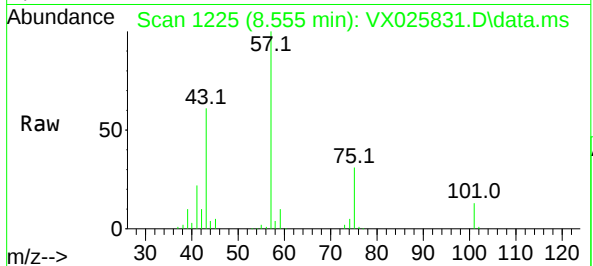




#54  
 cis-1,3-Dichloropropene  
 Concen: 6.720 ug/l  
 RT: 8.555 min Scan# 1194  
 Delta R.T. 0.189 min  
 Lab File: VX025831.D  
 Acq: 15 Dec 2021 21:44

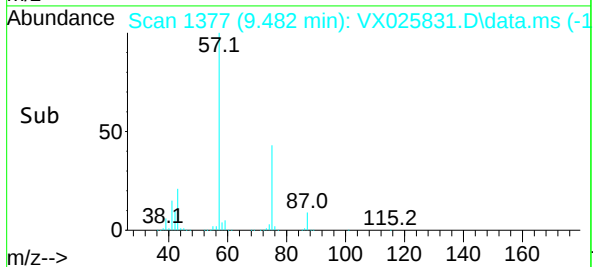
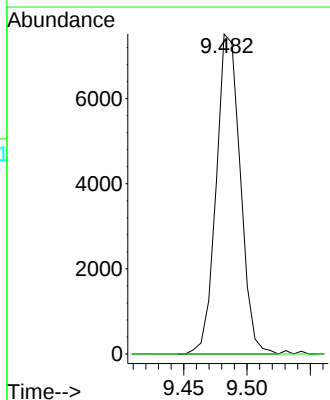
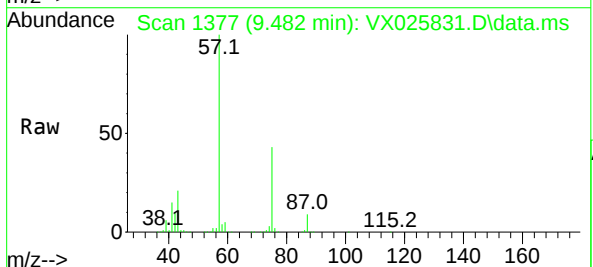
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BRICK

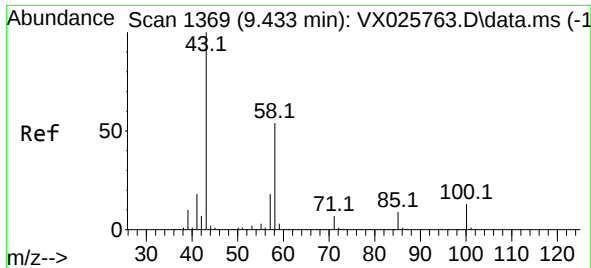
Tgt Ion: 75 Resp: 19173  
 Ion Ratio Lower Upper  
 75 100  
 77 0.7 25.3 37.9#  
 39 33.3 41.4 62.0#



#57  
 1,3-Dichloropropane  
 Concen: 3.133 ug/l  
 RT: 9.482 min Scan# 1377  
 Delta R.T. 0.170 min  
 Lab File: VX025831.D  
 Acq: 15 Dec 2021 21:44

Tgt Ion: 76 Resp: 9932  
 Ion Ratio Lower Upper  
 76 100  
 78 0.0 26.0 39.0#

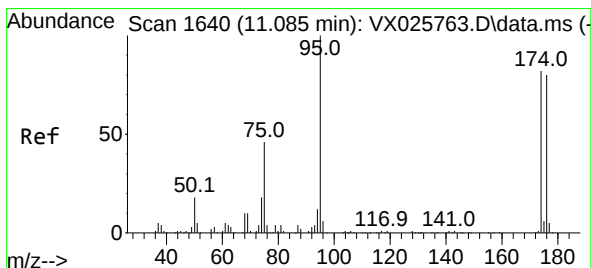
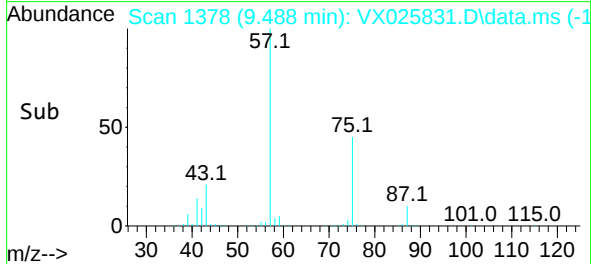
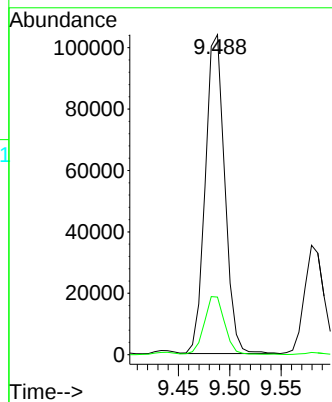
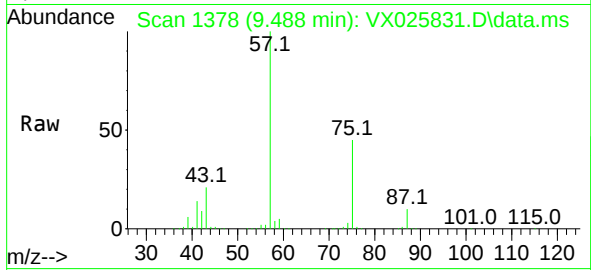




#59  
2-Hexanone  
Concen: 64.984 ug/l  
RT: 9.488 min Scan# 11  
Delta R.T. 0.055 min  
Lab File: VX025831.D  
Acq: 15 Dec 2021 21:44

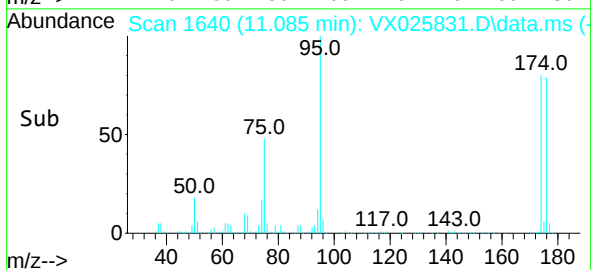
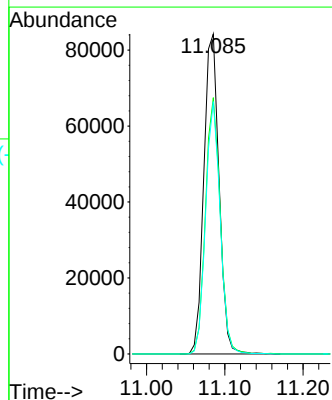
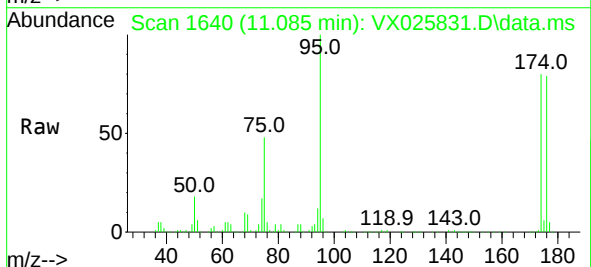
Instrument :  
MSVOA\_X  
ClientSampleId :  
BRICK

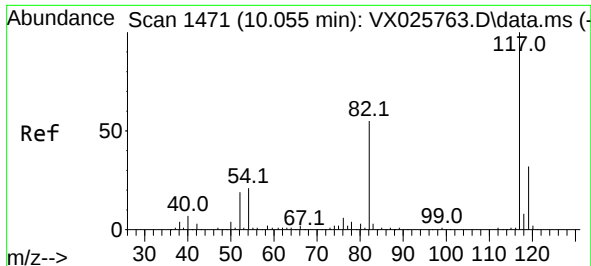
Tgt Ion: 43 Resp: 136800  
Ion Ratio Lower Upper  
43 100  
58 19.4 26.9 80.6#



#62  
4-Bromofluorobenzene  
Concen: 46.890 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. -0.000 min  
Lab File: VX025831.D  
Acq: 15 Dec 2021 21:44

Tgt Ion: 95 Resp: 113473  
Ion Ratio Lower Upper  
95 100  
174 77.9 0.0 157.4  
176 75.2 0.0 154.6

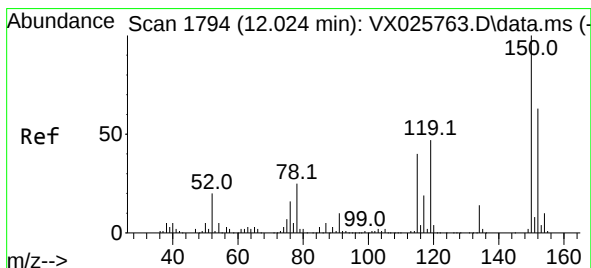
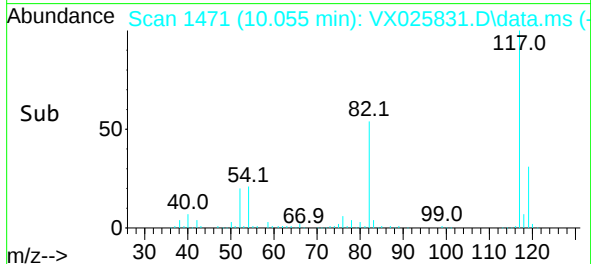
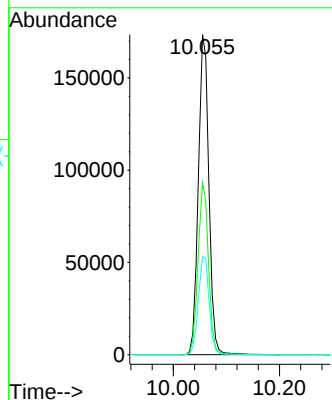
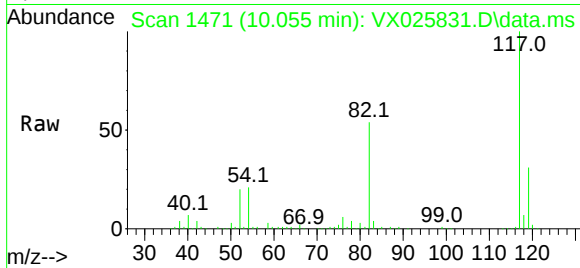




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX025831.D  
Acq: 15 Dec 2021 21:44

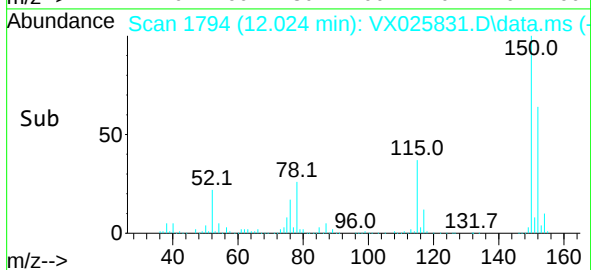
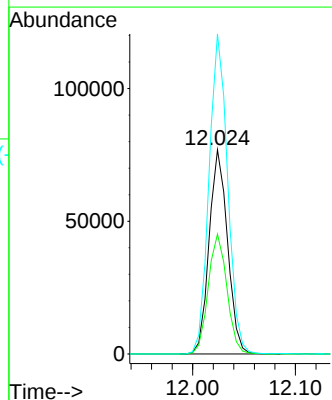
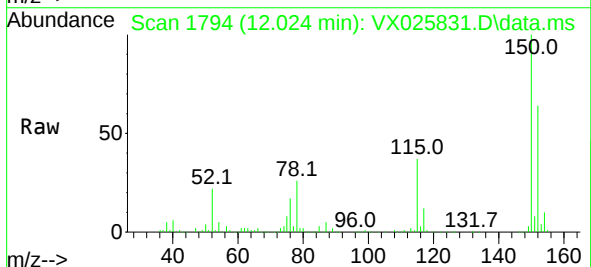
Instrument :  
MSVOA\_X  
ClientSampleId :  
BRICK

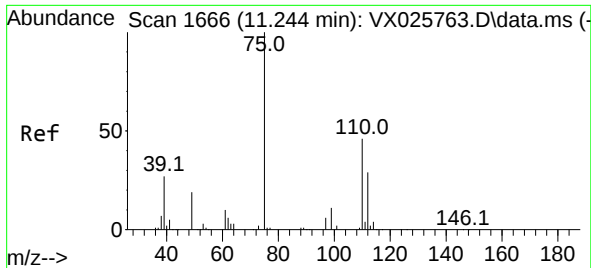
Tgt Ion:117 Resp: 239385  
Ion Ratio Lower Upper  
117 100  
82 53.8 43.8 65.6  
119 30.8 25.2 37.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. -0.000 min  
Lab File: VX025831.D  
Acq: 15 Dec 2021 21:44

Tgt Ion:152 Resp: 95786  
Ion Ratio Lower Upper  
152 100  
115 59.4 41.3 123.9  
150 157.8 0.0 351.8

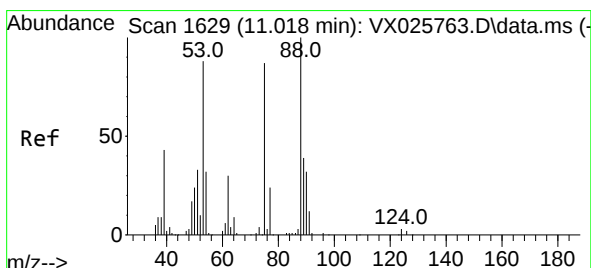
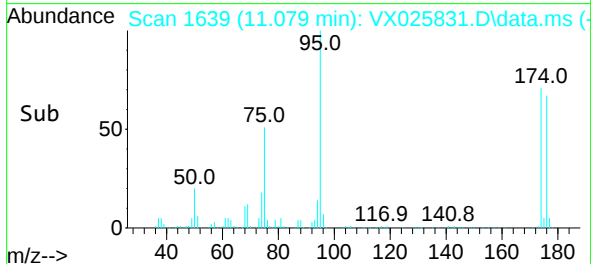
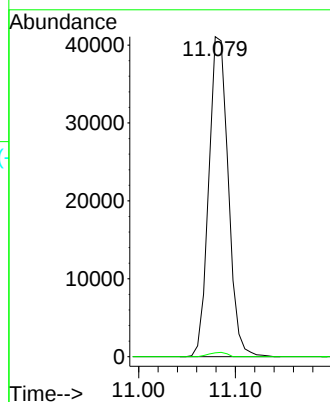
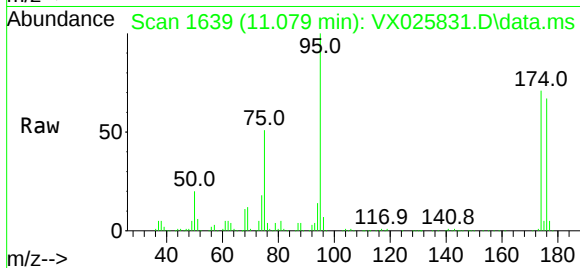




#76  
1,2,3-Trichloropropane  
Concen: 26.175 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.165 min  
Lab File: VX025831.D  
Acq: 15 Dec 2021 21:44

Instrument :  
MSVOA\_X  
ClientSampleId :  
BRICK

Tgt Ion: 75 Resp: 57444  
Ion Ratio Lower Upper  
75 100  
77 1.2 19.0 57.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 81.149 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX025831.D  
Acq: 15 Dec 2021 21:44

Tgt Ion: 75 Resp: 57444  
Ion Ratio Lower Upper  
75 100  
53 0.0 79.5 119.3#  
89 0.1 38.3 57.5#

