

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX113023\  
 Data File : VX039066.D  
 Acq On : 30 Nov 2023 14:27  
 Operator : JC/MD  
 Sample : 05585-02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 P3874-SP2

Quant Time: Dec 01 01:58:13 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X111623W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 16 22:59:22 2023  
 Response via : Initial Calibration

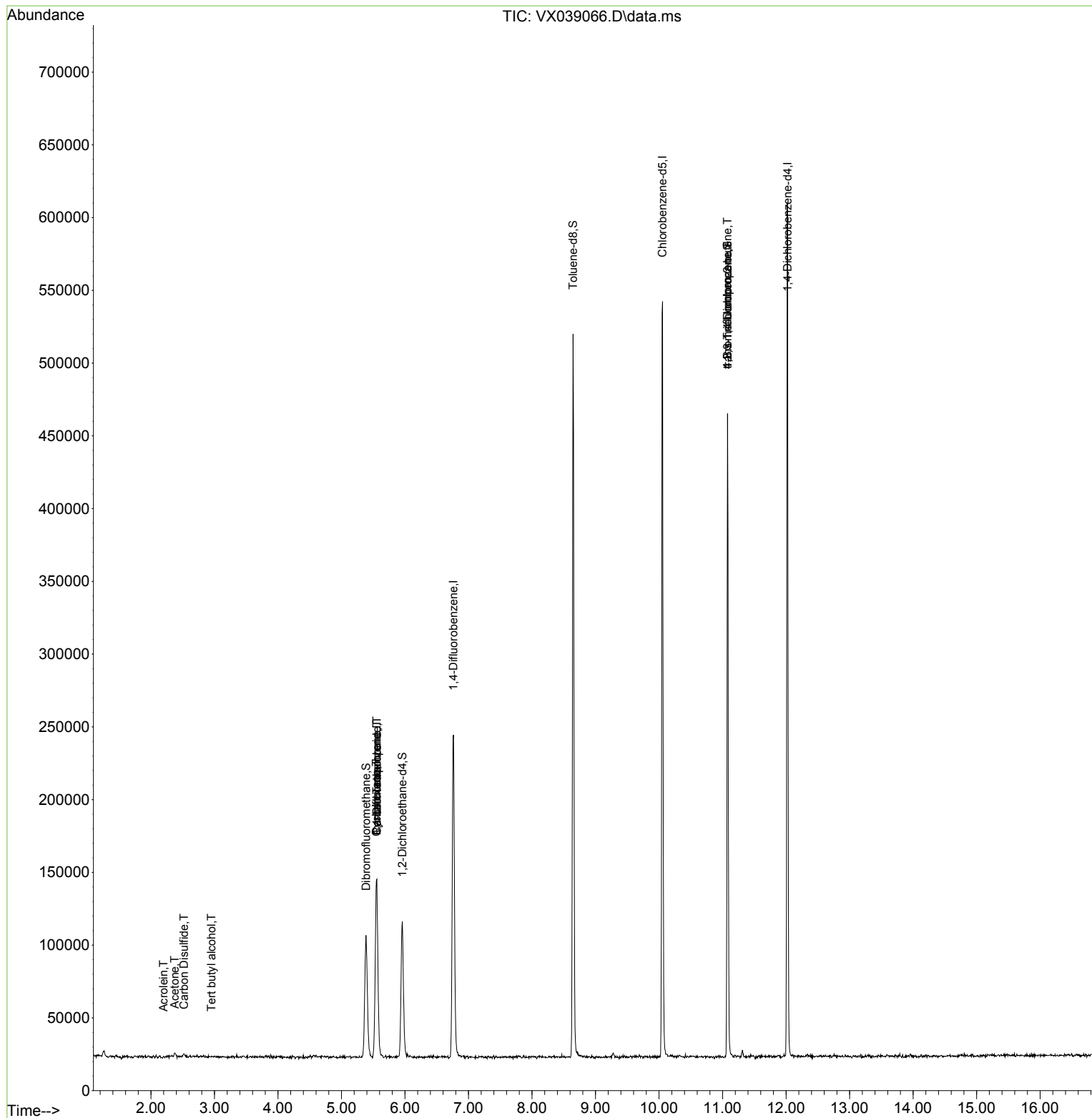
| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) Pentafluorobenzene         | 5.556          | 168  | 112634     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763          | 114  | 233264     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 236032     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 118000     | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958          | 65   | 86903      | 47.882   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 78 - 117 |      | Recovery = | 95.760%  |        |          |
| 35) Dibromofluoromethane      | 5.385          | 113  | 72565      | 43.073   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = | 86.140%  |        |          |
| 50) Toluene-d8                | 8.647          | 98   | 291543     | 45.231   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 92 - 112 |      | Recovery = | 90.460%# |        |          |
| 62) 4-Bromofluorobenzene      | 11.079         | 95   | 123833     | 47.992   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = | 95.980%  |        |          |
| Target Compounds              |                |      |            |          |        |          |
|                               |                |      |            |          | Qvalue |          |
| 11) Tert butyl alcohol        | 2.953          | 59   | 168        | 0.333    | ug/l # | 78       |
| 13) Acrolein                  | 2.197          | 56   | 79         | 0.296    | ug/l # | 14       |
| 16) Acetone                   | 2.374          | 43   | 2586       | 2.677    | ug/l   | 97       |
| 17) Carbon Disulfide          | 2.520          | 76   | 963        | 0.221    | ug/l # | 78       |
| 31) Cyclohexane               | 5.550          | 56   | 3032       | 1.170    | ug/l # | 25       |
| 36) 1,1-Dichloropropene       | 5.556          | 75   | 10273      | 4.255    | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 5.556          | 117  | 12614      | 5.652    | ug/l # | 14       |
| 76) 1,2,3-Trichloropropane    | 11.079         | 75   | 65126      | 22.121   | ug/l # | 38       |
| 81) trans-1,4-Dichloro-2-b... | 11.079         | 75   | 65126      | 49.067   | ug/l # | 5        |
| -----                         |                |      |            |          |        |          |

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

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Quant Time: Dec 01 01:58:13 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X111623W.M  
Quant Title : SW846 8260  
QLast Update : Thu Nov 16 22:59:22 2023  
Response via : Initial Calibration

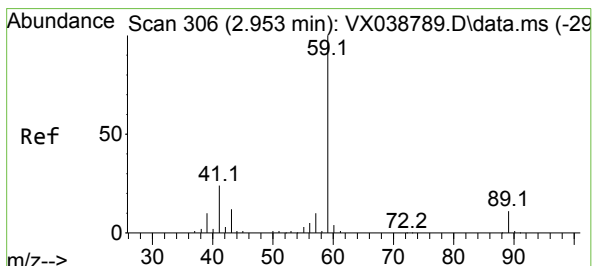
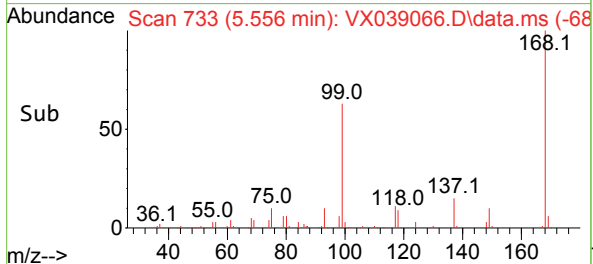
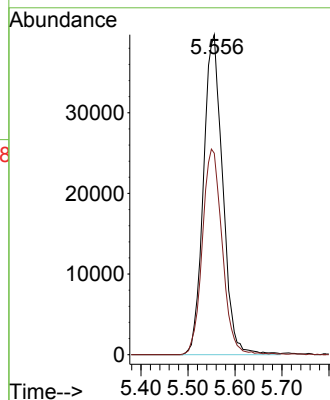
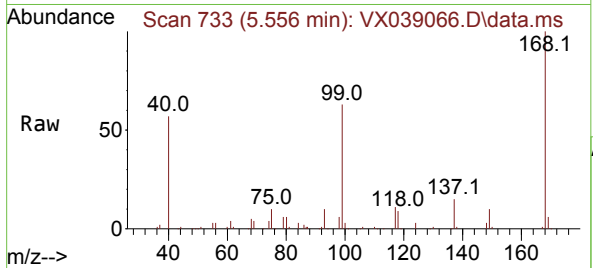




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX039066.D  
Acq: 30 Nov 2023 14:27

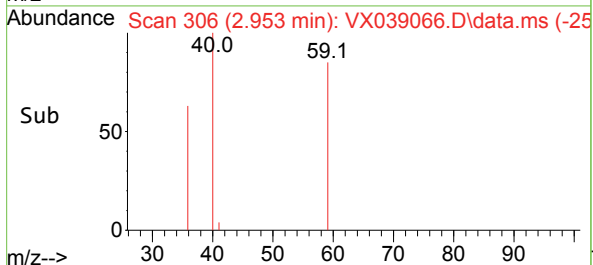
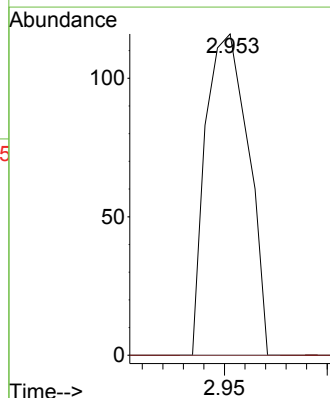
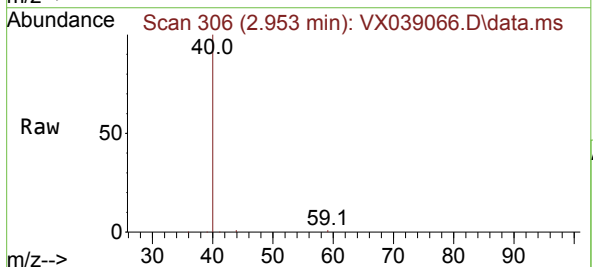
Instrument :  
MSVOA\_X  
ClientSampleId :  
P3874-SP2

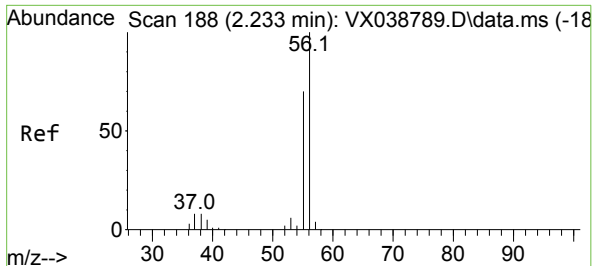
Tgt Ion:168 Resp: 112634  
Ion Ratio Lower Upper  
168 100  
99 62.9 56.6 85.0



#11  
Tert butyl alcohol  
Concen: 0.333 ug/l  
RT: 2.953 min Scan# 306  
Delta R.T. 0.000 min  
Lab File: VX039066.D  
Acq: 30 Nov 2023 14:27

Tgt Ion: 59 Resp: 168  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.0 9.0#

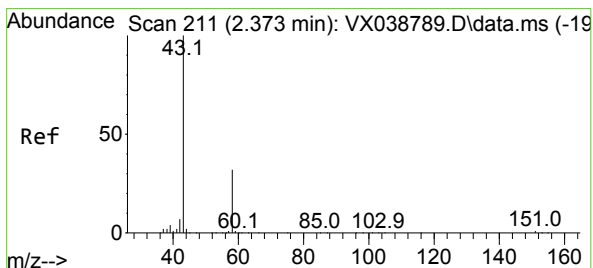
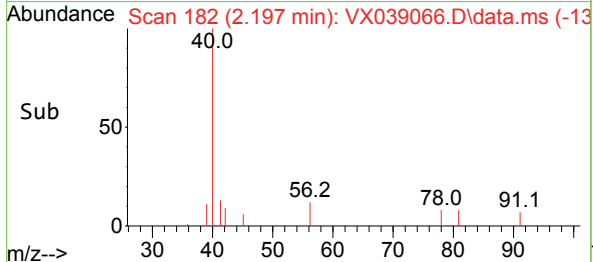
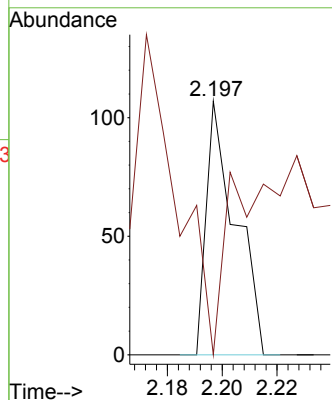
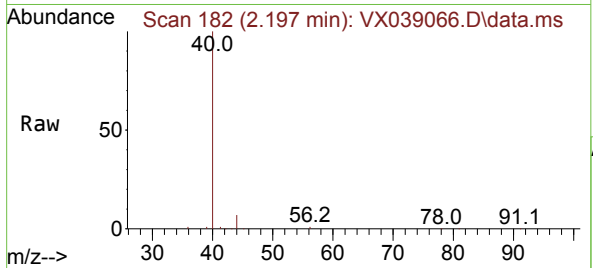




#13  
Acrolein  
Concen: 0.296 ug/l  
RT: 2.197 min Scan# 182  
Delta R.T. -0.036 min  
Lab File: VX039066.D  
Acq: 30 Nov 2023 14:27

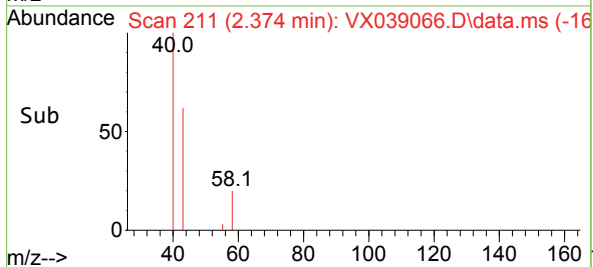
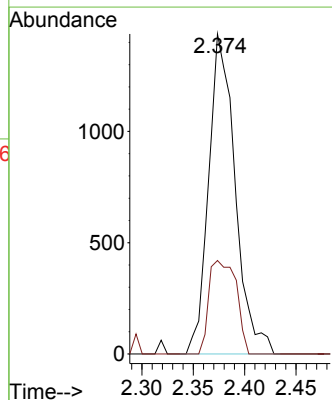
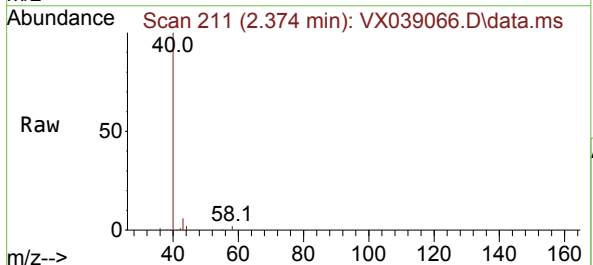
Instrument :  
MSVOA\_X  
ClientSampleId :  
P3874-SP2

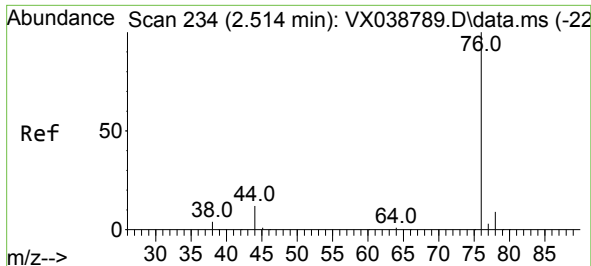
Tgt Ion: 56 Resp: 79  
Ion Ratio Lower Upper  
56 100  
55 0.0 57.1 85.7#



#16  
Acetone  
Concen: 2.677 ug/l  
RT: 2.374 min Scan# 211  
Delta R.T. 0.000 min  
Lab File: VX039066.D  
Acq: 30 Nov 2023 14:27

Tgt Ion: 43 Resp: 2586  
Ion Ratio Lower Upper  
43 100  
58 29.2 21.9 32.9





#17

Carbon Disulfide

Concen: 0.221 ug/l

RT: 2.520 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX039066.D

Acq: 30 Nov 2023 14:27

Instrument :

MSVOA\_X

ClientSampleId :

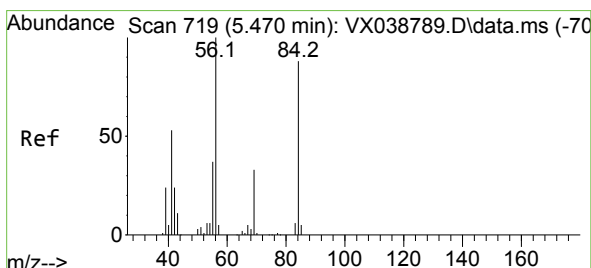
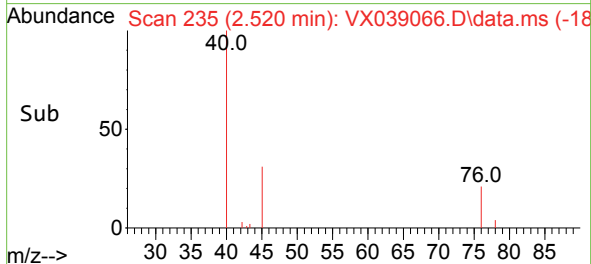
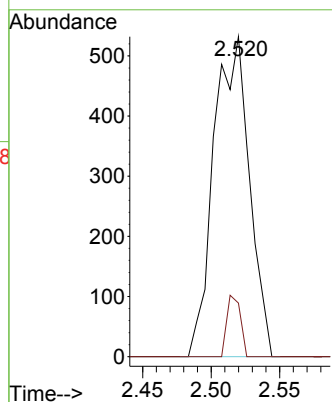
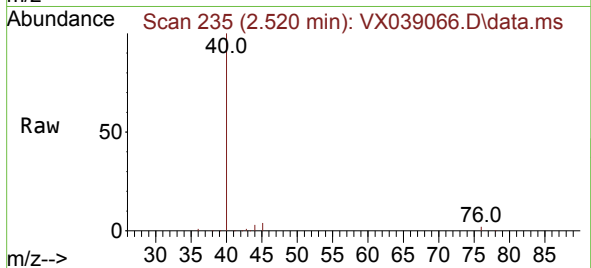
P3874-SP2

Tgt Ion: 76 Resp: 963

Ion Ratio Lower Upper

76 100

78 16.7 7.0 10.6#



#31

Cyclohexane

Concen: 1.170 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX039066.D

Acq: 30 Nov 2023 14:27

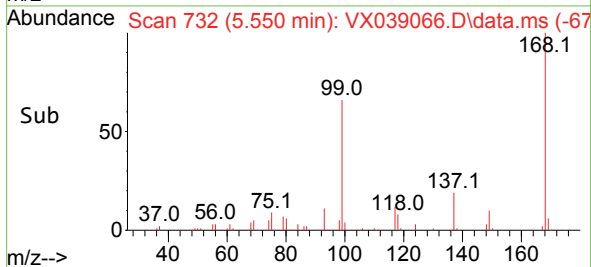
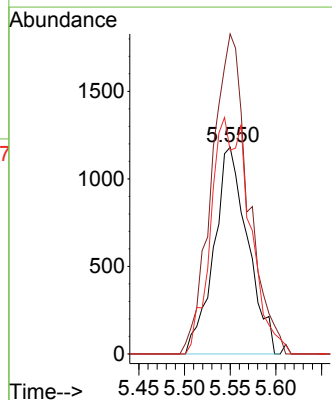
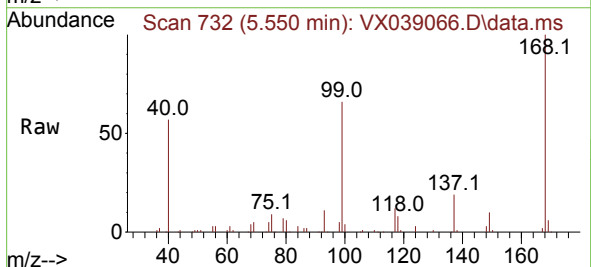
Tgt Ion: 56 Resp: 3032

Ion Ratio Lower Upper

56 100

69 154.8 23.4 35.2#

84 98.6 65.9 98.9

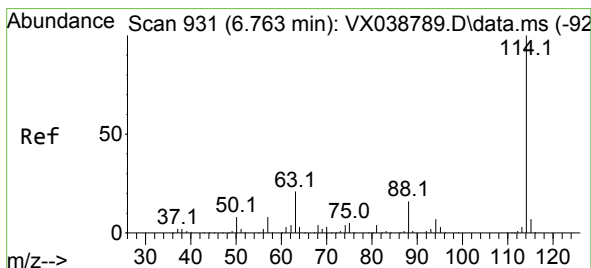
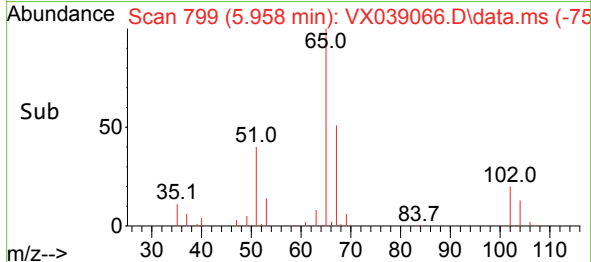
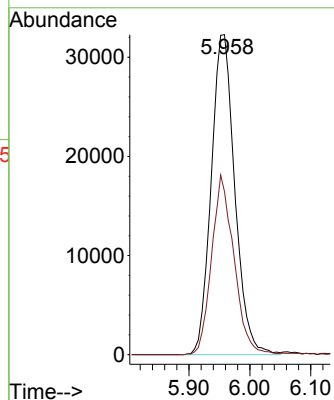
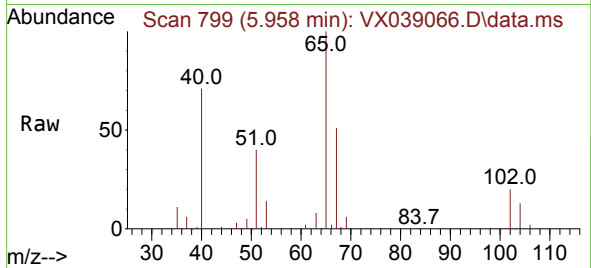




#33  
 1,2-Dichloroethane-d4  
 Concen: 47.882 ug/l  
 RT: 5.958 min Scan# 799  
 Delta R.T. 0.000 min  
 Lab File: VX039066.D  
 Acq: 30 Nov 2023 14:27

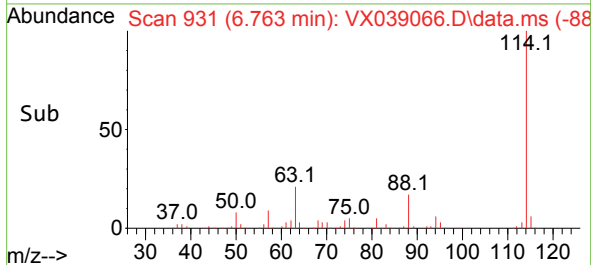
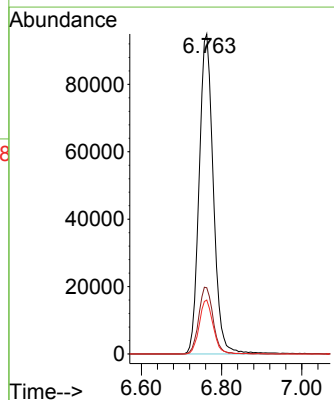
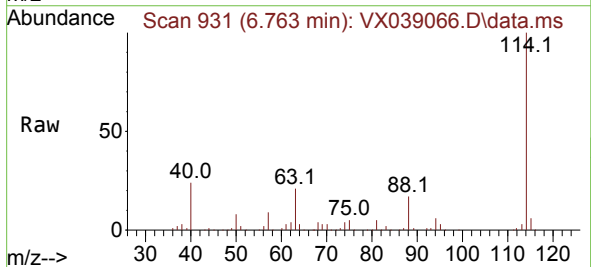
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 P3874-SP2

Tgt Ion: 65 Resp: 86903  
 Ion Ratio Lower Upper  
 65 100  
 67 53.1 0.0 100.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.763 min Scan# 931  
 Delta R.T. 0.000 min  
 Lab File: VX039066.D  
 Acq: 30 Nov 2023 14:27

Tgt Ion:114 Resp: 233264  
 Ion Ratio Lower Upper  
 114 100  
 63 20.7 0.0 45.0  
 88 16.9 0.0 36.6





#35

Dibromofluoromethane

Concen: 43.073 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX039066.D

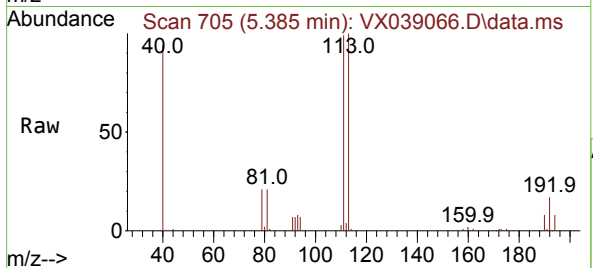
Acq: 30 Nov 2023 14:27

Instrument :

MSVOA\_X

ClientSampleId :

P3874-SP2



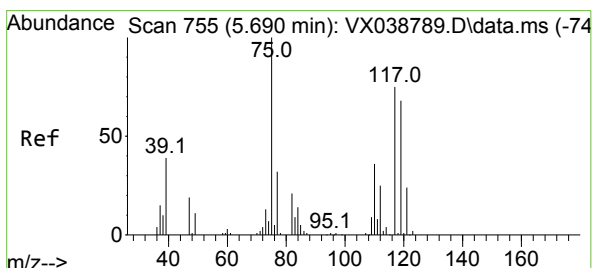
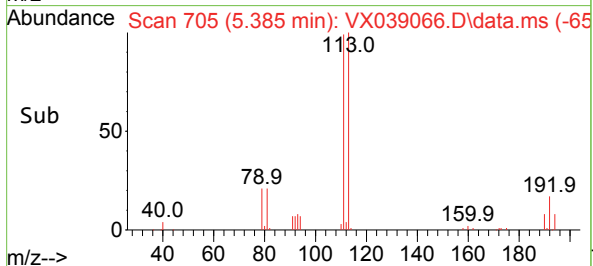
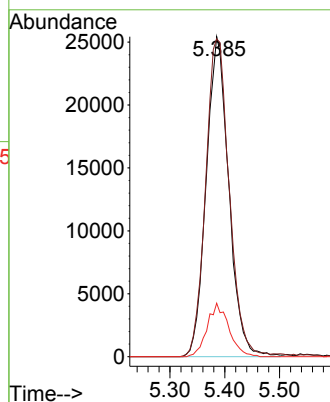
Tgt Ion:113 Resp: 72565

Ion Ratio Lower Upper

113 100

111 103.9 82.9 124.3

192 16.1 13.3 19.9



#36

1,1-Dichloropropene

Concen: 4.255 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.134 min

Lab File: VX039066.D

Acq: 30 Nov 2023 14:27

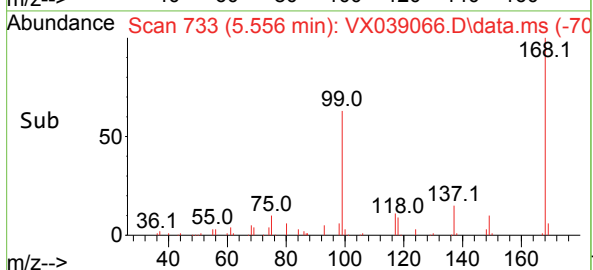
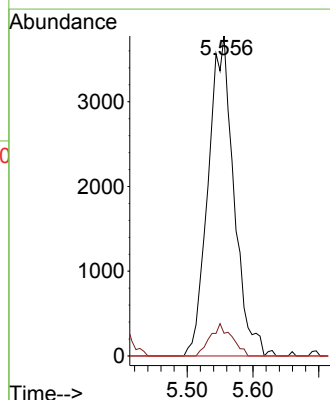
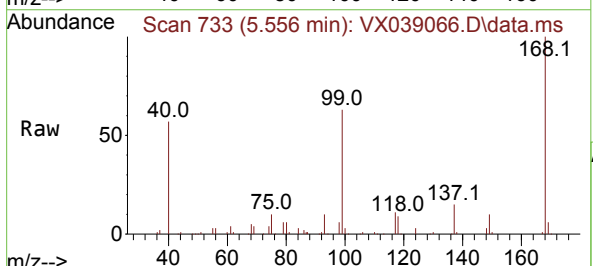
Tgt Ion: 75 Resp: 10273

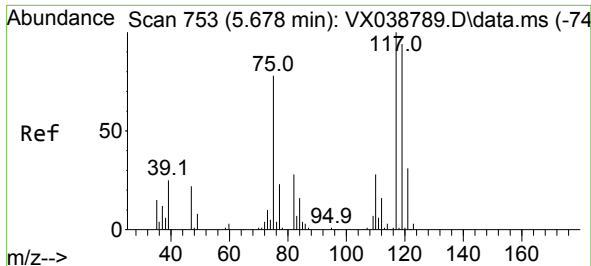
Ion Ratio Lower Upper

75 100

110 8.5 17.0 50.9#

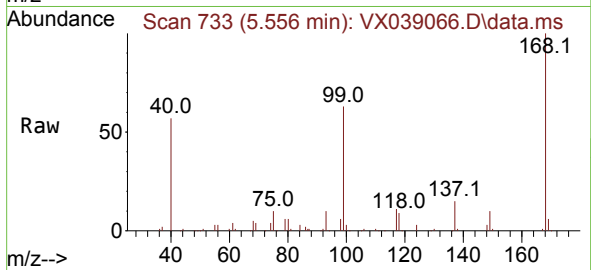
77 0.0 24.7 37.1#



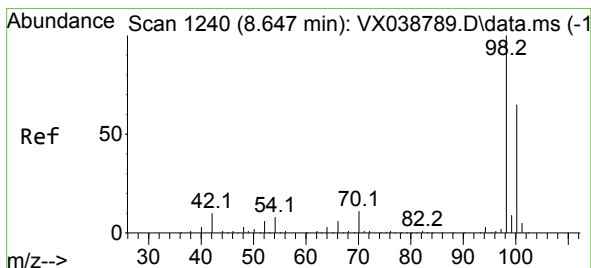
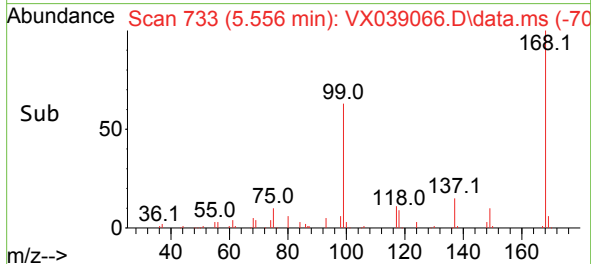
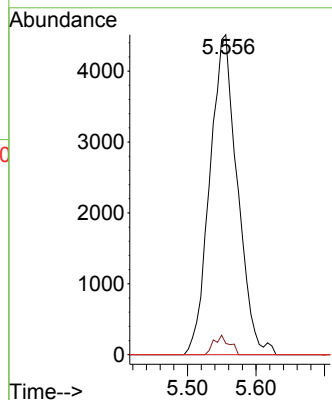


#38  
Carbon Tetrachloride  
Concen: 5.652 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.122 min  
Lab File: VX039066.D  
Acq: 30 Nov 2023 14:27

Instrument :  
MSVOA\_X  
ClientSampleId :  
P3874-SP2

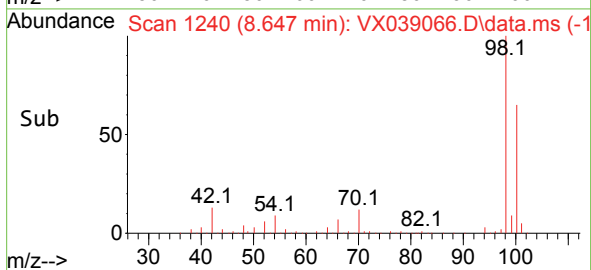
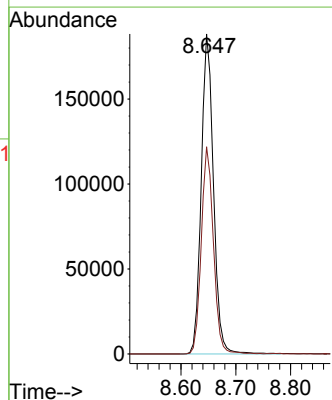
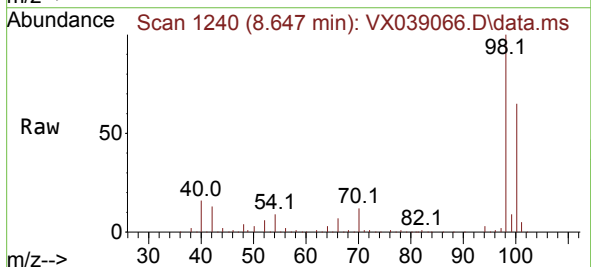


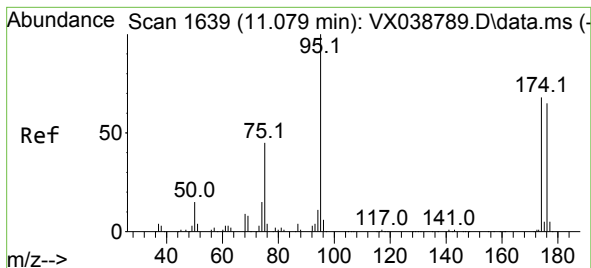
Tgt Ion:117 Resp: 12614  
Ion Ratio Lower Upper  
117 100  
119 3.5 78.2 117.2#  
121 0.0 24.4 36.6#



#50  
Toluene-d8  
Concen: 45.231 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.000 min  
Lab File: VX039066.D  
Acq: 30 Nov 2023 14:27

Tgt Ion: 98 Resp: 291543  
Ion Ratio Lower Upper  
98 100  
100 64.4 53.1 79.7

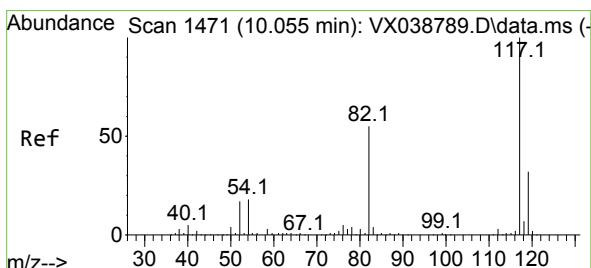
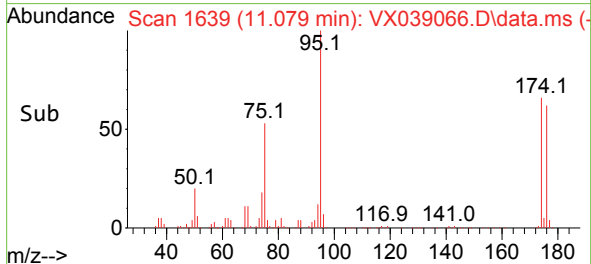
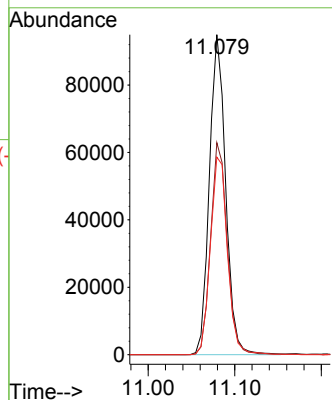
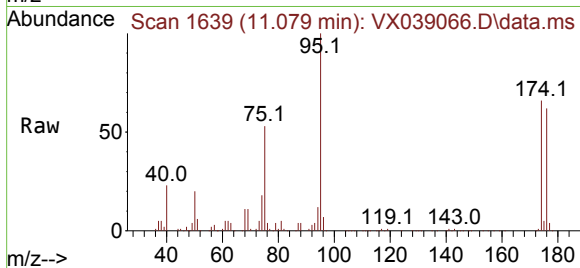




#62  
4-Bromofluorobenzene  
Concen: 47.992 ug/l  
RT: 11.079 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VX039066.D  
Acq: 30 Nov 2023 14:27

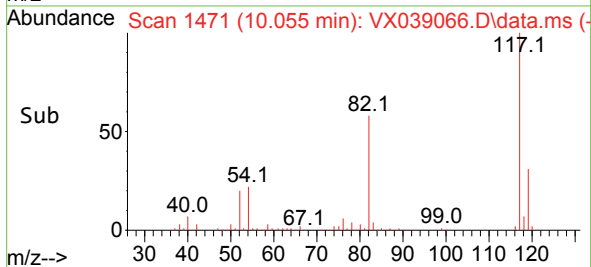
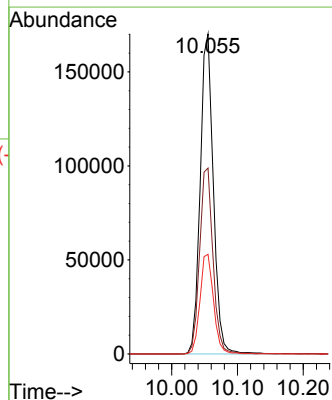
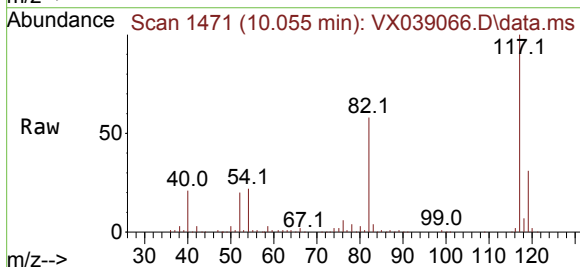
Instrument :  
MSVOA\_X  
ClientSampleId :  
P3874-SP2

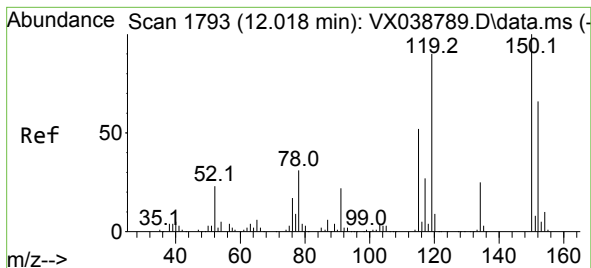
Tgt Ion: 95 Resp: 123833  
Ion Ratio Lower Upper  
95 100  
174 67.7 0.0 135.6  
176 65.0 0.0 131.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX039066.D  
Acq: 30 Nov 2023 14:27

Tgt Ion: 117 Resp: 236032  
Ion Ratio Lower Upper  
117 100  
82 58.1 46.2 69.4  
119 31.1 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX039066.D

Acq: 30 Nov 2023 14:27

Instrument :

MSVOA\_X

ClientSampleId :

P3874-SP2

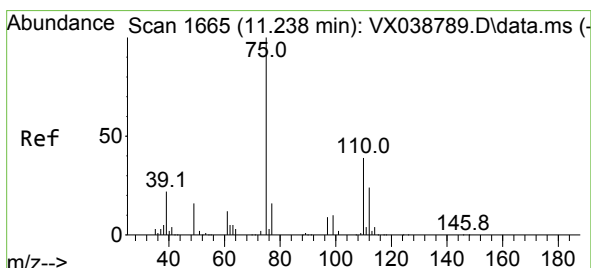
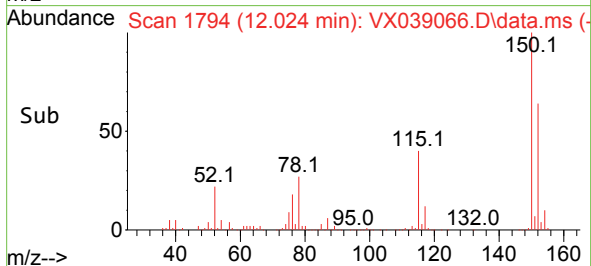
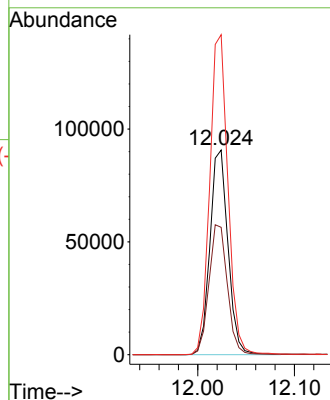
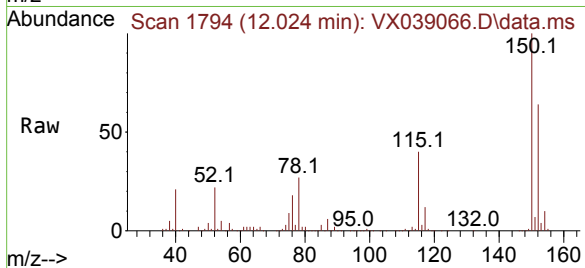
Tgt Ion:152 Resp: 118000

Ion Ratio Lower Upper

152 100

115 64.9 43.3 129.9

150 157.3 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 22.121 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX039066.D

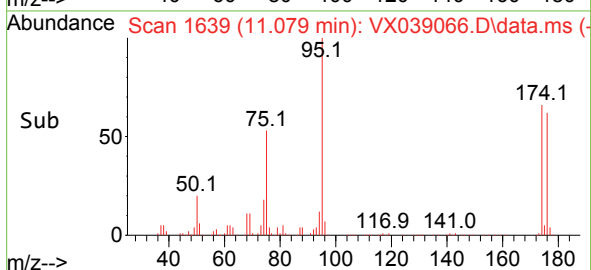
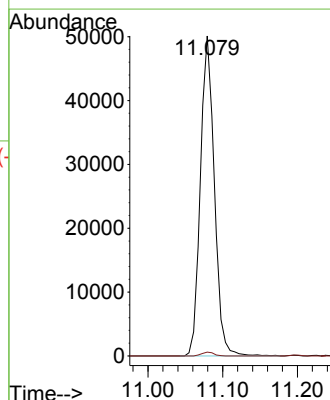
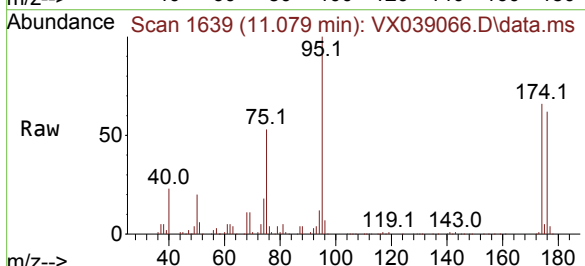
Acq: 30 Nov 2023 14:27

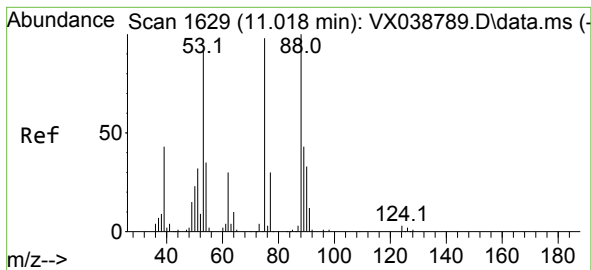
Tgt Ion: 75 Resp: 65126

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 49.067 ug/l  
 RT: 11.079 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX039066.D  
 Acq: 30 Nov 2023 14:27

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 P3874-SP2

Tgt Ion: 75 Resp: 65126  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 90.5 135.7#  
 89 0.0 36.9 55.3#

