

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX020822\  
 Data File : VX026848.D  
 Acq On : 09 Feb 2022 02:01  
 Operator : JC/MD  
 Sample : PB142539ZHE#01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 41 Sample Multiplier: 1

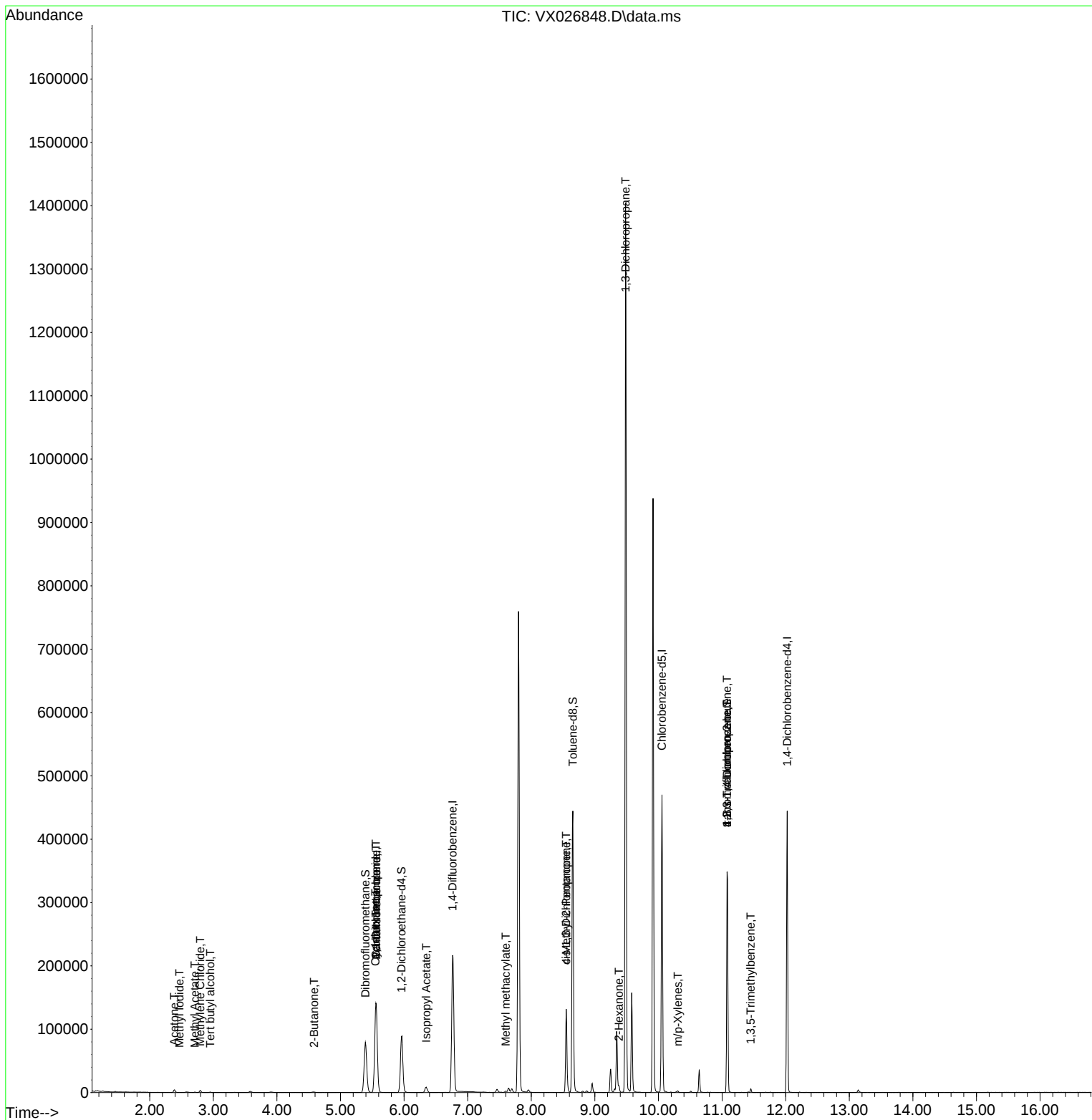
Instrument :  
 MSVOA\_X  
 ClientSampleId :

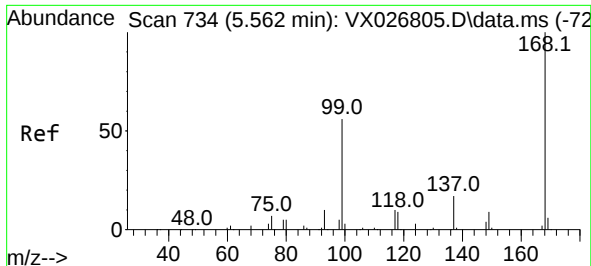
Quant Time: Feb 09 05:20:24 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X020822W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 08 07:07:46 2022  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response            | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|-----------|--------|----------|
| -----                         |                |      |                     |           |        |          |
| Internal Standards            |                |      |                     |           |        |          |
| 1) Pentafluorobenzene         | 5.562          | 168  | 135057              | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763          | 114  | 226787              | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 205881              | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 90463               | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |                |      |                     |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958          | 65   | 85693               | 52.857    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 78 - 117 |      | Recovery = 105.720% |           |        |          |
| 35) Dibromofluoromethane      | 5.391          | 113  | 69316               | 51.302    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = 102.600% |           |        |          |
| 50) Toluene-d8                | 8.653          | 98   | 266604              | 53.754    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 92 - 112 |      | Recovery = 107.500% |           |        |          |
| 62) 4-Bromofluorobenzene      | 11.079         | 95   | 98929               | 56.656    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = 113.320% |           |        |          |
| Target Compounds              |                |      |                     |           |        |          |
|                               |                |      |                     |           | Qvalue |          |
| 6) Chloroethane               | 1.697          | 64   | 26                  | Below Cal | #      | 43       |
| 10) Methyl Iodide             | 2.465          | 142  | 85                  | 2.296     | ug/l # | 37       |
| 11) Tert butyl alcohol        | 2.953          | 59   | 344                 | 1.175     | ug/l # | 75       |
| 16) Acetone                   | 2.386          | 43   | 5096                | 7.157     | ug/l   | 93       |
| 18) Methyl Acetate            | 2.709          | 43   | 712                 | 0.348     | ug/l   | 91       |
| 20) Methylene Chloride        | 2.794          | 84   | 1429                | 0.926     | ug/l # | 91       |
| 25) 2-Butanone                | 4.586          | 43   | 979                 | 0.853     | ug/l # | 50       |
| 31) Cyclohexane               | 5.550          | 56   | 2747                | 1.066     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.556          | 75   | 10314               | 4.839     | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 5.556          | 117  | 13825               | 6.185     | ug/l # | 17       |
| 43) Isopropyl Acetate         | 6.348          | 43   | 12151               | 3.260     | ug/l   | 100      |
| 48) Methyl methacrylate       | 7.598          | 41   | 3473                | 1.881     | ug/l # | 16       |
| 51) 4-Methyl-2-Pentanone      | 8.549          | 43   | 44484               | 19.695    | ug/l # | 51       |
| 54) cis-1,3-Dichloropropene   | 8.549          | 75   | 20520               | 8.922     | ug/l # | 57       |
| 57) 1,3-Dichloropropane       | 9.482          | 76   | 12442               | 4.866     | ug/l # | 43       |
| 59) 2-Hexanone                | 9.378          | 43   | 5889                | 3.565     | ug/l # | 25       |
| 68) m/p-Xylenes               | 10.305         | 106  | 597                 | 0.206     | ug/l   | 87       |
| 76) 1,2,3-Trichloropropane    | 11.079         | 75   | 48906               | 24.697    | ug/l # | 40       |
| 80) 1,3,5-Trimethylbenzene    | 11.451         | 105  | 2715                | 0.463     | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 11.079         | 75   | 48906               | 75.371    | ug/l # | 3        |
| -----                         |                |      |                     |           |        |          |

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

Quant Time: Feb 09 05:20:24 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X020822W.M  
Quant Title : SW846 8260  
QLast Update : Tue Feb 08 07:07:46 2022  
Response via : Initial Calibration

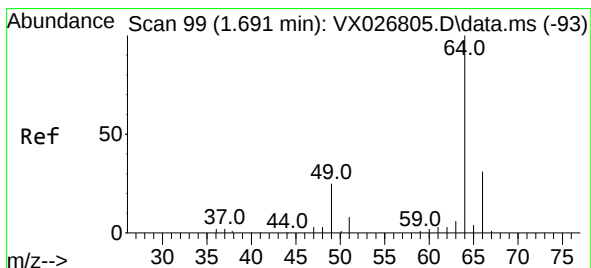
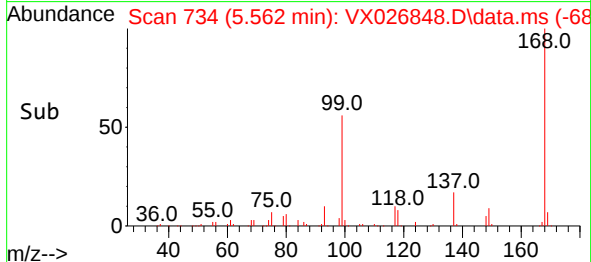
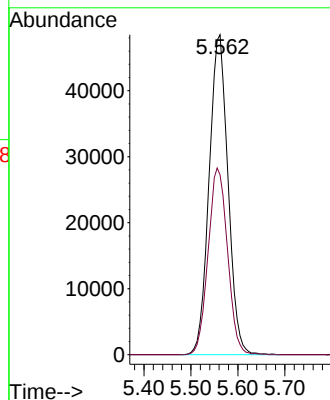
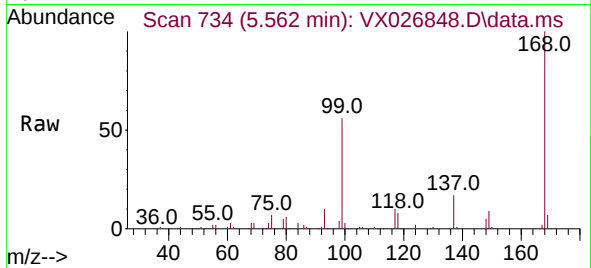




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.562 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX026848.D  
Acq: 09 Feb 2022 02:01

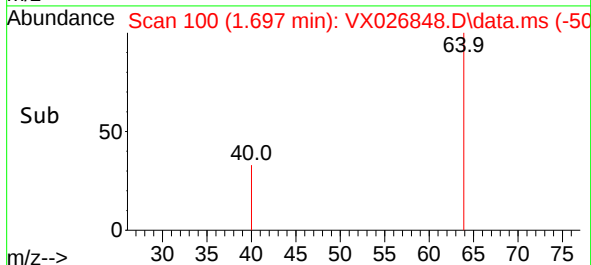
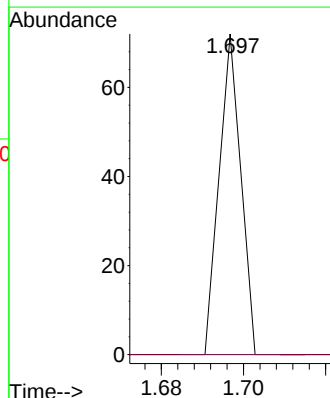
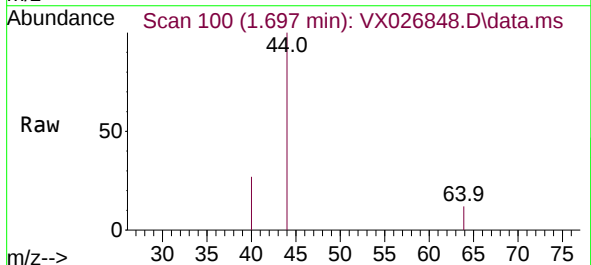
Instrument :  
MSVOA\_X  
ClientSampleId :

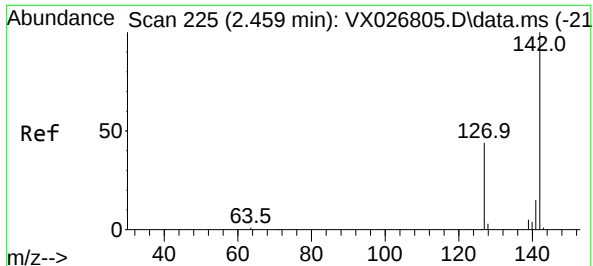
Tgt Ion:168 Resp: 135057  
Ion Ratio Lower Upper  
168 100  
99 56.2 50.3 75.5



#6  
Chloroethane  
Concen: Below Cal  
RT: 1.697 min Scan# 100  
Delta R.T. 0.006 min  
Lab File: VX026848.D  
Acq: 09 Feb 2022 02:01

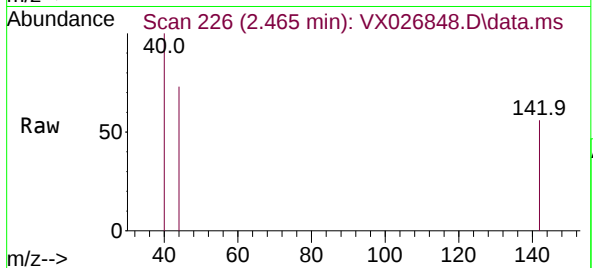
Tgt Ion: 64 Resp: 26  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.4 38.2#



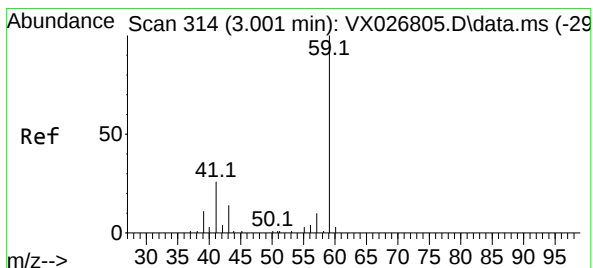
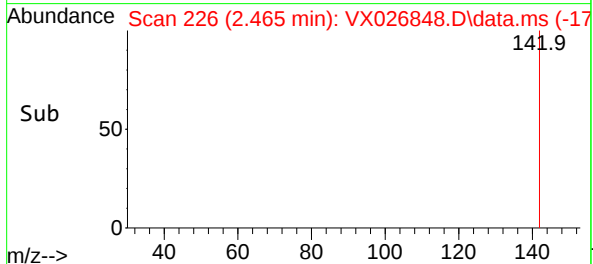
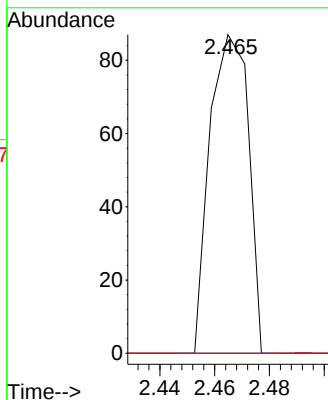


#10  
Methyl Iodide  
Concen: 2.296 ug/l  
RT: 2.465 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VX026848.D  
Acq: 09 Feb 2022 02:01

Instrument :  
MSVOA\_X  
ClientSampleId :

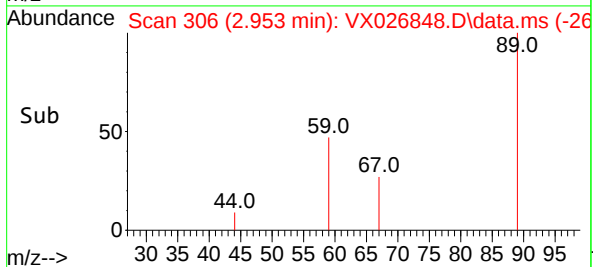
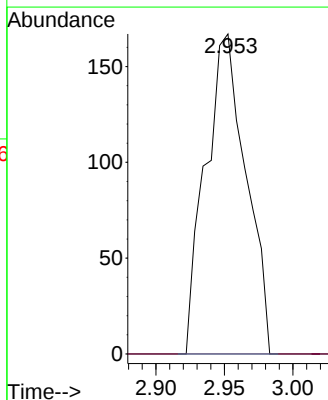
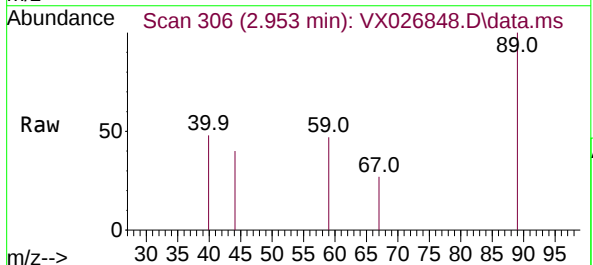


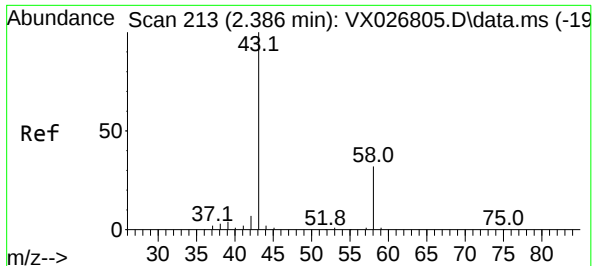
Tgt Ion:142 Resp: 85  
Ion Ratio Lower Upper  
142 100  
127 0.0 38.1 57.1#  
141 0.0 11.2 16.8#



#11  
Tert butyl alcohol  
Concen: 1.175 ug/l  
RT: 2.953 min Scan# 306  
Delta R.T. -0.048 min  
Lab File: VX026848.D  
Acq: 09 Feb 2022 02:01

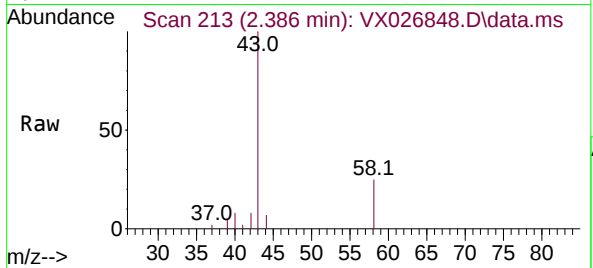
Tgt Ion: 59 Resp: 344  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.2 10.8#



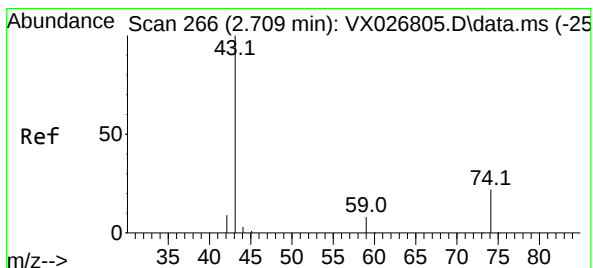
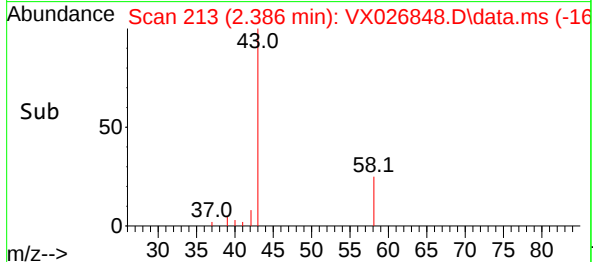
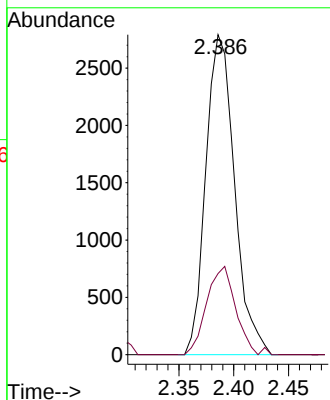


#16  
Acetone  
Concen: 7.157 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. 0.000 min  
Lab File: VX026848.D  
Acq: 09 Feb 2022 02:01

Instrument :  
MSVOA\_X  
ClientSampleId :

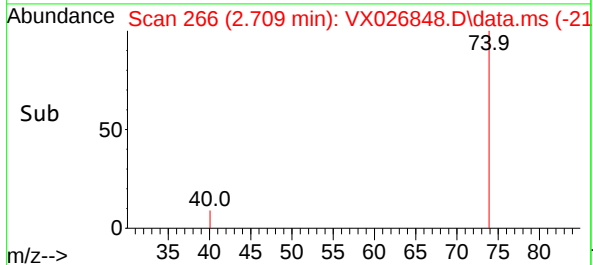
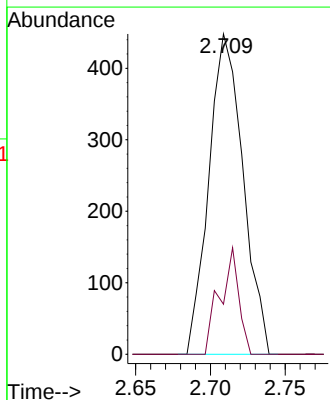
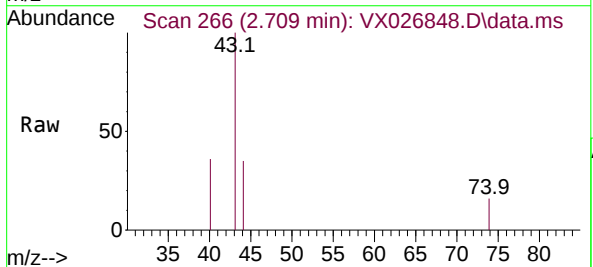


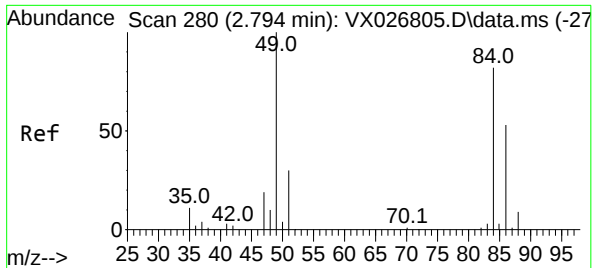
Tgt Ion: 43 Resp: 5096  
Ion Ratio Lower Upper  
43 100  
58 25.3 23.0 34.6



#18  
Methyl Acetate  
Concen: 0.348 ug/l  
RT: 2.709 min Scan# 266  
Delta R.T. 0.000 min  
Lab File: VX026848.D  
Acq: 09 Feb 2022 02:01

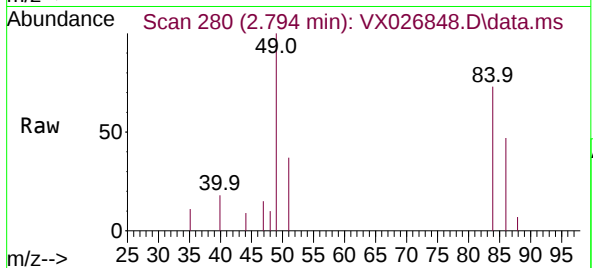
Tgt Ion: 43 Resp: 712  
Ion Ratio Lower Upper  
43 100  
74 18.4 18.3 27.5



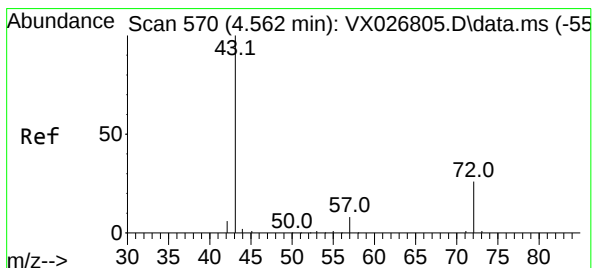
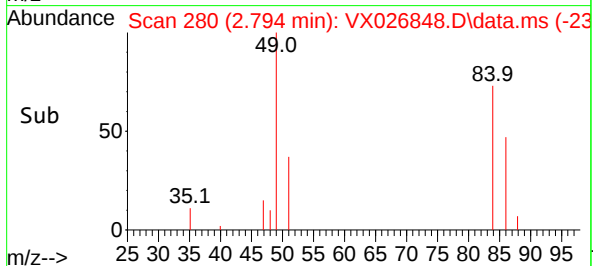
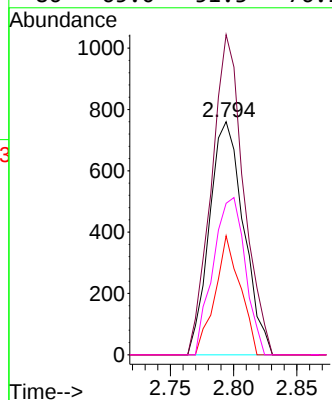


#20  
Methylene Chloride  
Concen: 0.926 ug/l  
RT: 2.794 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VX026848.D  
Acq: 09 Feb 2022 02:01

Instrument :  
MSVOA\_X  
ClientSampleId :

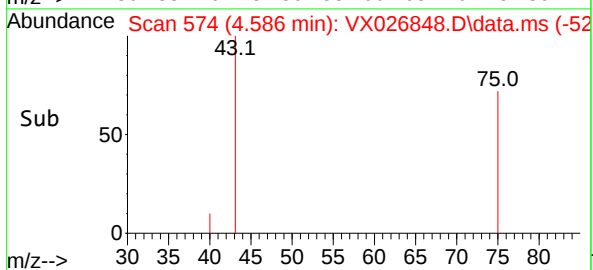
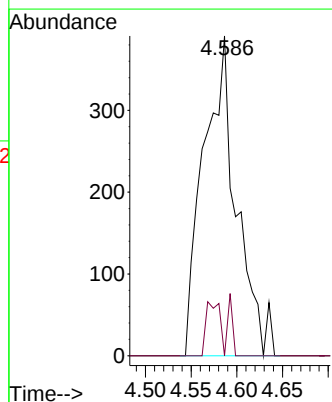
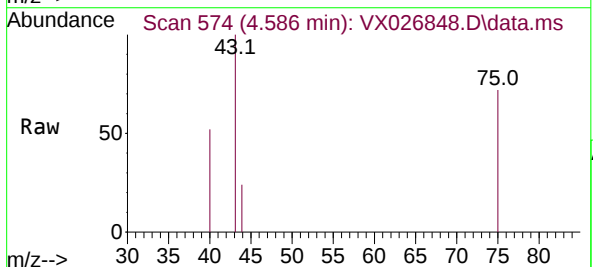


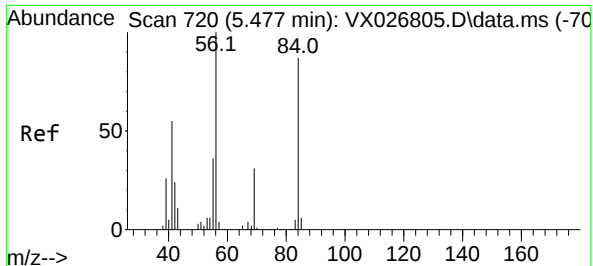
| Tgt Ion: | 84    | Resp: | 1429  |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 137.4 | 101.5 | 152.3 |
| 51       | 51.1  | 31.2  | 46.8# |
| 86       | 65.0  | 51.3  | 76.9  |



#25  
2-Butanone  
Concen: 0.853 ug/l  
RT: 4.586 min Scan# 574  
Delta R.T. 0.024 min  
Lab File: VX026848.D  
Acq: 09 Feb 2022 02:01

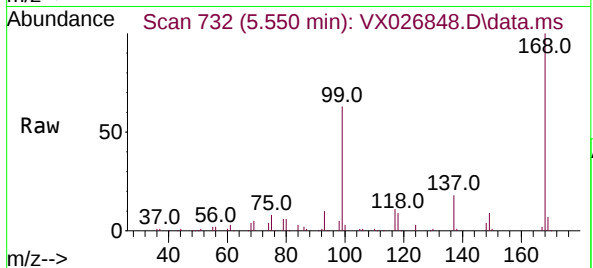
| Tgt Ion: | 43    | Resp: | 979   |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 0.0   | 20.4  | 30.6# |



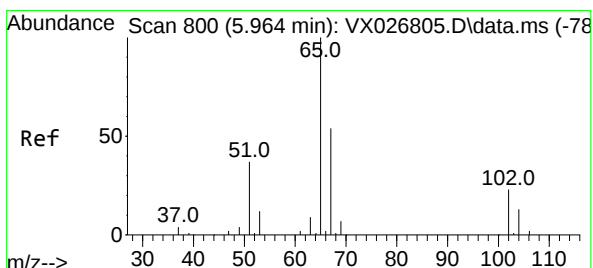
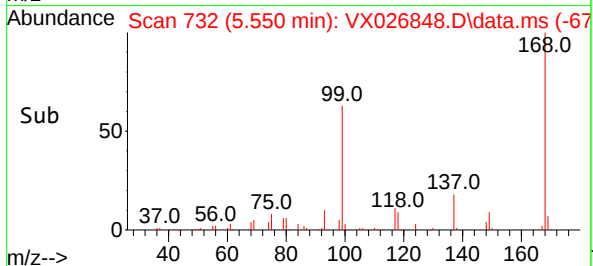
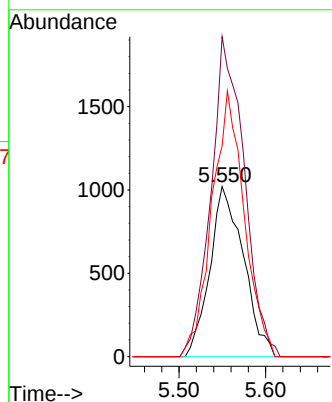


#31  
Cyclohexane  
Concen: 1.066 ug/l  
RT: 5.550 min Scan# 719  
Delta R.T. 0.073 min  
Lab File: VX026848.D  
Acq: 09 Feb 2022 02:01

Instrument :  
MSVOA\_X  
ClientSampleId :

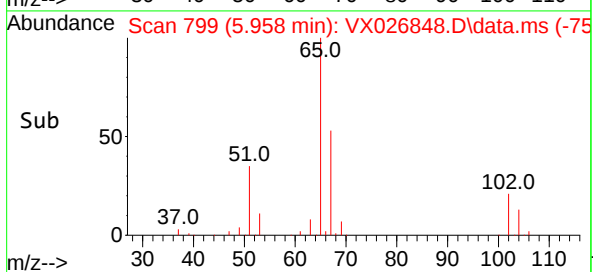
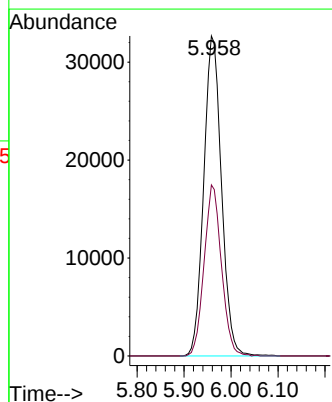
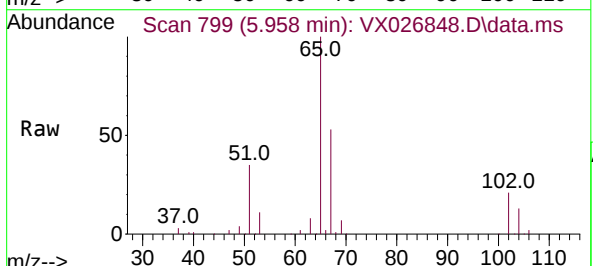


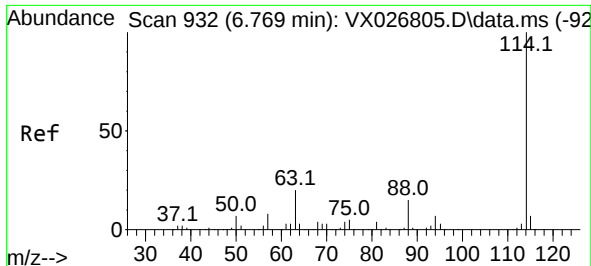
Tgt Ion: 56 Resp: 2747  
Ion Ratio Lower Upper  
56 100  
69 188.2 25.8 38.6#  
84 124.0 68.9 103.3#



#33  
1,2-Dichloroethane-d4  
Concen: 52.857 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. -0.006 min  
Lab File: VX026848.D  
Acq: 09 Feb 2022 02:01

Tgt Ion: 65 Resp: 85693  
Ion Ratio Lower Upper  
65 100  
67 52.2 0.0 100.8

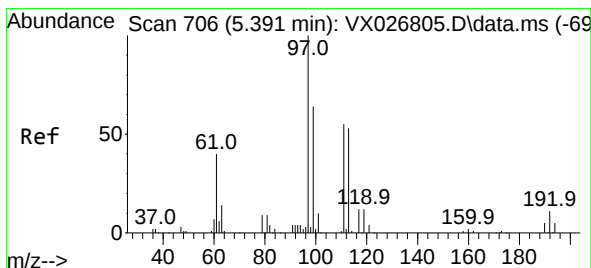
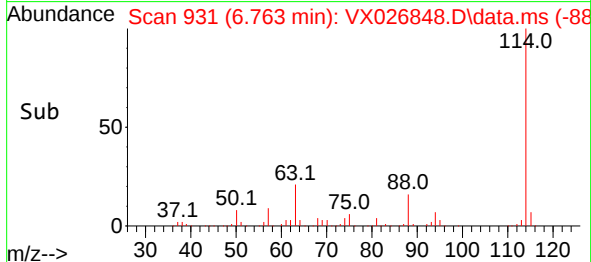
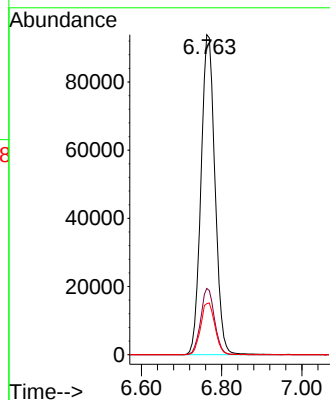
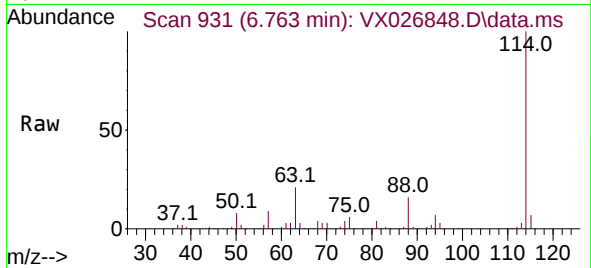




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VX026848.D  
Acq: 09 Feb 2022 02:01

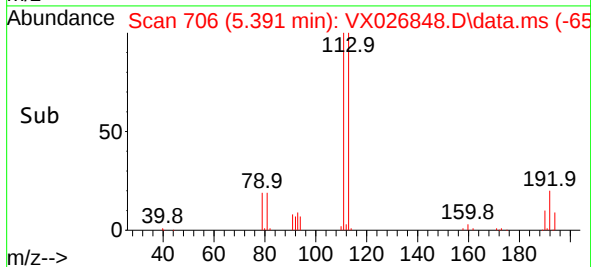
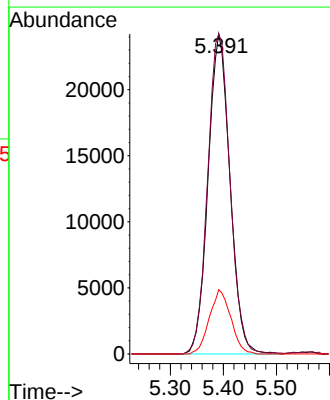
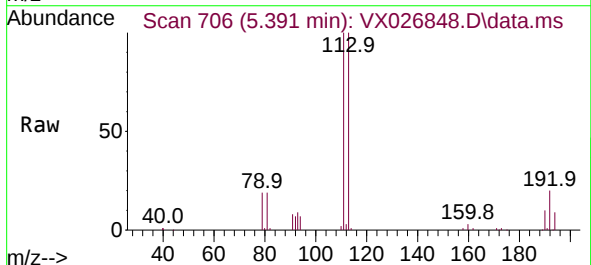
Instrument :  
MSVOA\_X  
ClientSampleId :

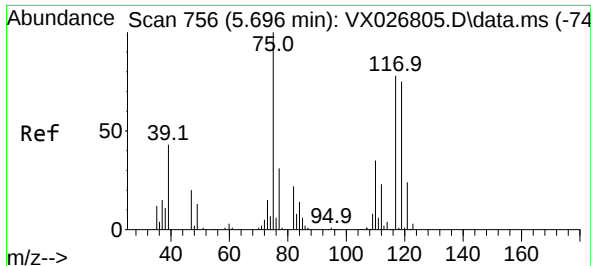
Tgt Ion:114 Resp: 226787  
Ion Ratio Lower Upper  
114 100  
63 20.7 0.0 42.8  
88 16.0 0.0 33.0



#35  
Dibromofluoromethane  
Concen: 51.302 ug/l  
RT: 5.391 min Scan# 706  
Delta R.T. 0.000 min  
Lab File: VX026848.D  
Acq: 09 Feb 2022 02:01

Tgt Ion:113 Resp: 69316  
Ion Ratio Lower Upper  
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111 102.5 81.2 121.8  
192 19.7 15.0 22.4

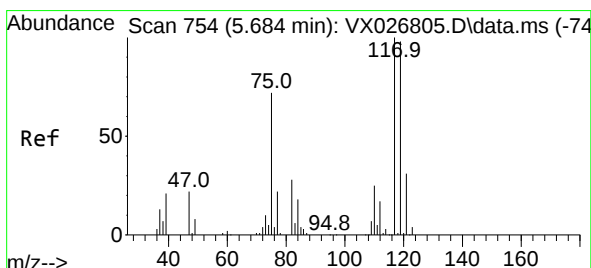
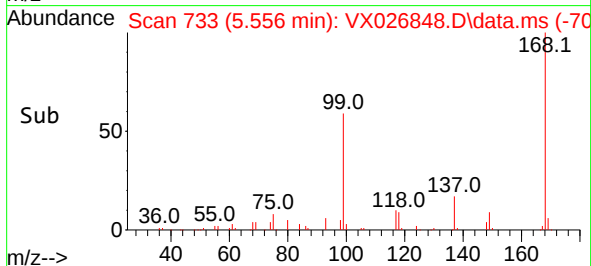
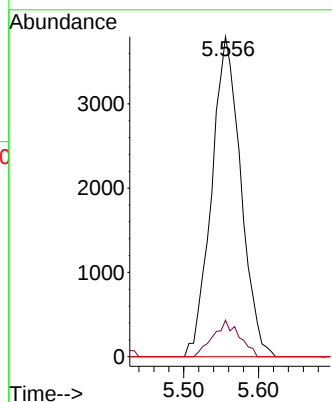
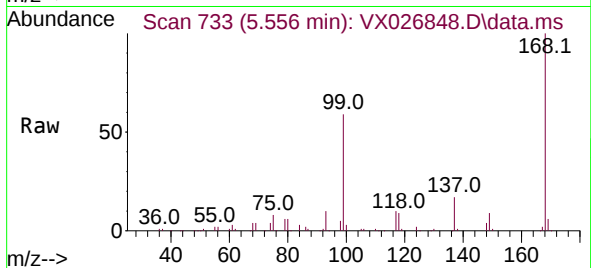




#36  
1,1-Dichloropropene  
Concen: 4.839 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.140 min  
Lab File: VX026848.D  
Acq: 09 Feb 2022 02:01

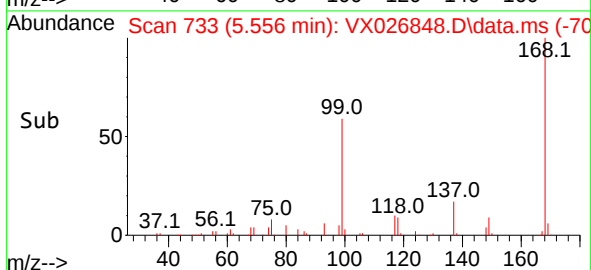
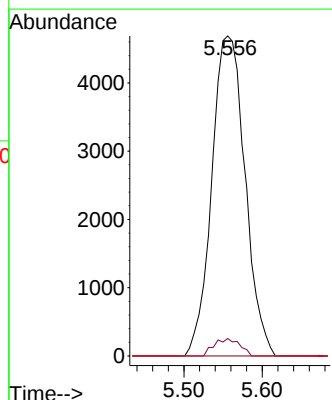
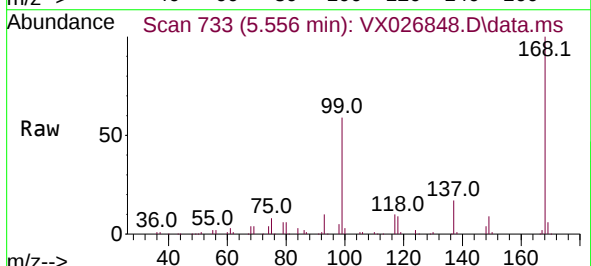
Instrument :  
MSVOA\_X  
ClientSampleId :

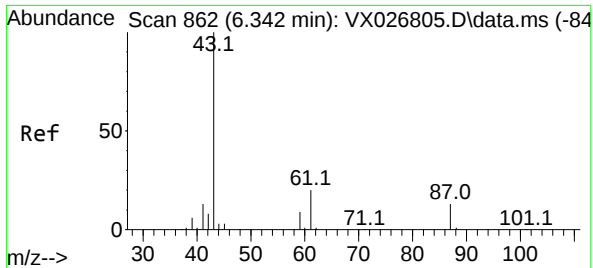
Tgt Ion: 75 Resp: 10314  
Ion Ratio Lower Upper  
75 100  
110 10.2 17.2 51.6#  
77 0.0 24.6 36.8#



#38  
Carbon Tetrachloride  
Concen: 6.185 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. -0.128 min  
Lab File: VX026848.D  
Acq: 09 Feb 2022 02:01

Tgt Ion: 117 Resp: 13825  
Ion Ratio Lower Upper  
117 100  
119 5.5 74.7 112.1#  
121 0.0 25.4 38.0#

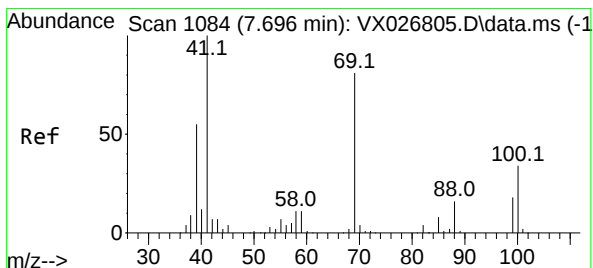
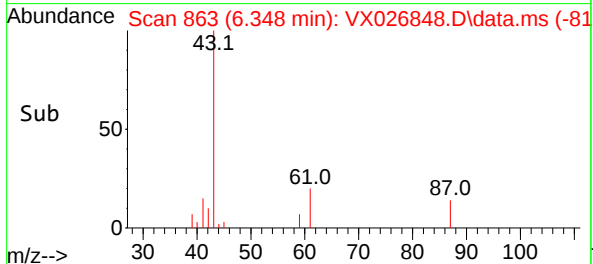
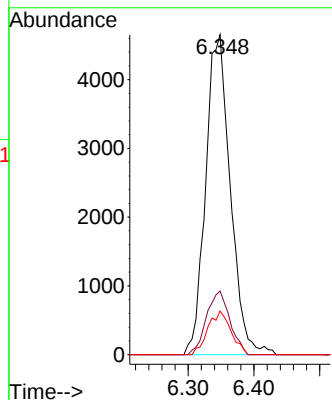
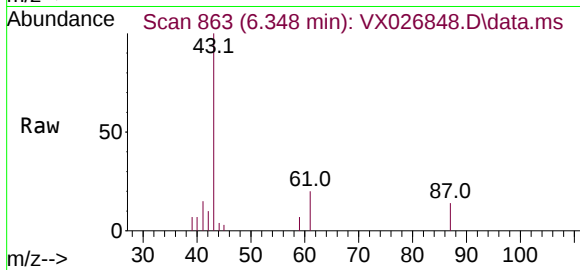




#43  
Isopropyl Acetate  
Concen: 3.260 ug/l  
RT: 6.348 min Scan# 862  
Delta R.T. 0.006 min  
Lab File: VX026848.D  
Acq: 09 Feb 2022 02:01

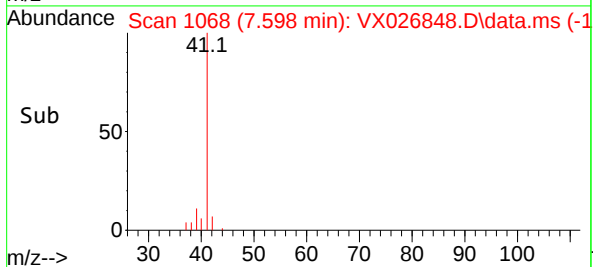
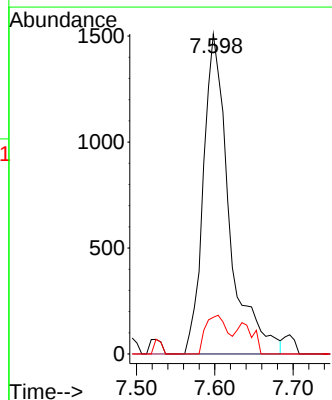
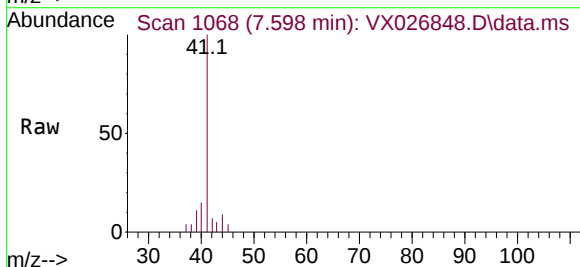
Instrument :  
MSVOA\_X  
ClientSampleId :

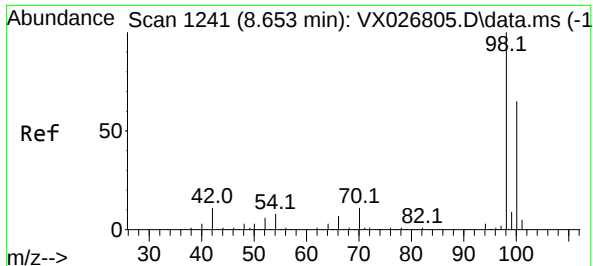
Tgt Ion: 43 Resp: 12151  
Ion Ratio Lower Upper  
43 100  
61 18.9 15.4 23.0  
87 12.7 10.2 15.2



#48  
Methyl methacrylate  
Concen: 1.881 ug/l  
RT: 7.598 min Scan# 1068  
Delta R.T. -0.098 min  
Lab File: VX026848.D  
Acq: 09 Feb 2022 02:01

Tgt Ion: 41 Resp: 3473  
Ion Ratio Lower Upper  
41 100  
69 0.0 62.2 93.4#  
39 0.0 45.4 68.0#

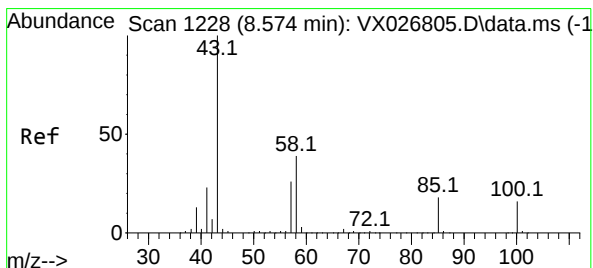
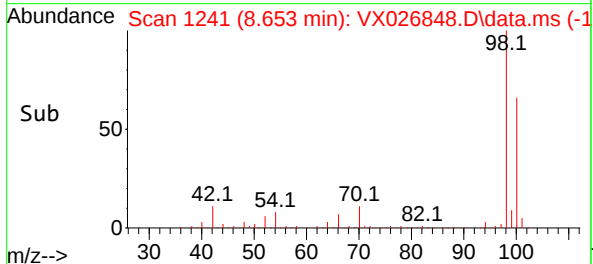
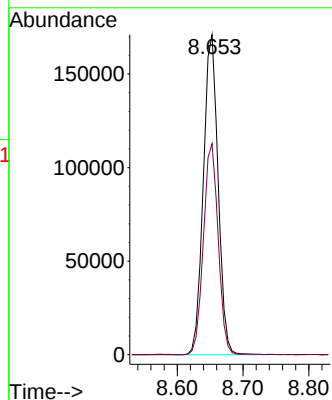
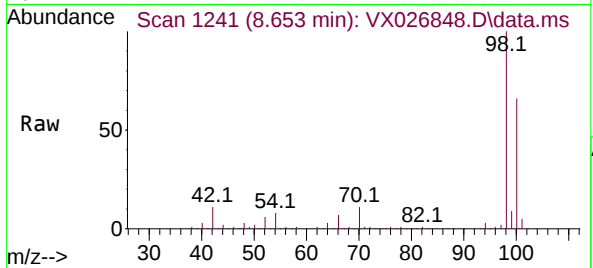




#50  
Toluene-d8  
Concen: 53.754 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. 0.000 min  
Lab File: VX026848.D  
Acq: 09 Feb 2022 02:01

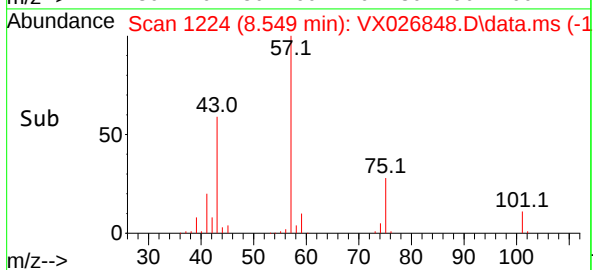
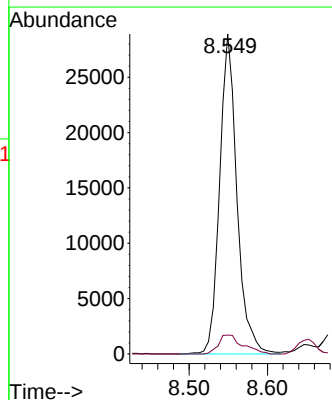
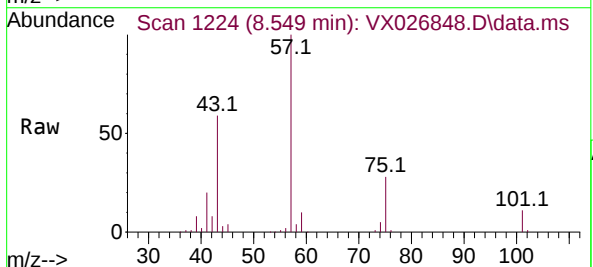
Instrument :  
MSVOA\_X  
ClientSampleId :

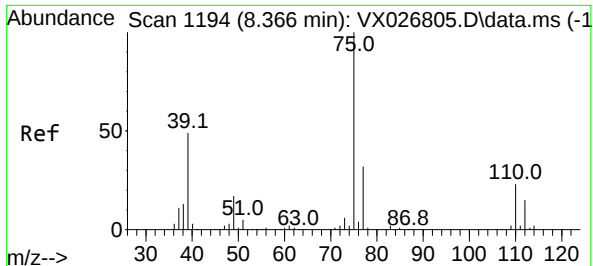
Tgt Ion: 98 Resp: 266604  
Ion Ratio Lower Upper  
98 100  
100 66.0 53.2 79.8



#51  
4-Methyl-2-Pentanone  
Concen: 19.695 ug/l  
RT: 8.549 min Scan# 1224  
Delta R.T. -0.024 min  
Lab File: VX026848.D  
Acq: 09 Feb 2022 02:01

Tgt Ion: 43 Resp: 44484  
Ion Ratio Lower Upper  
43 100  
58 8.2 30.5 45.7#





#54

cis-1,3-Dichloropropene

Concen: 8.922 ug/l

RT: 8.549 min Scan# 1194

Delta R.T. 0.183 min

Lab File: VX026848.D

Acq: 09 Feb 2022 02:01

Instrument :

MSVOA\_X

ClientSampleId :

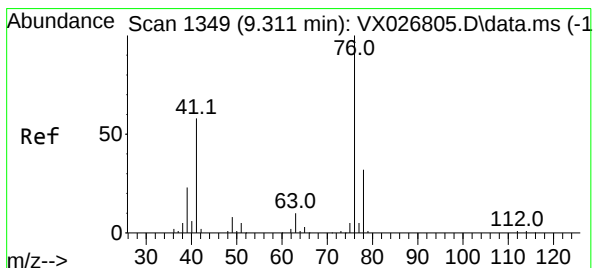
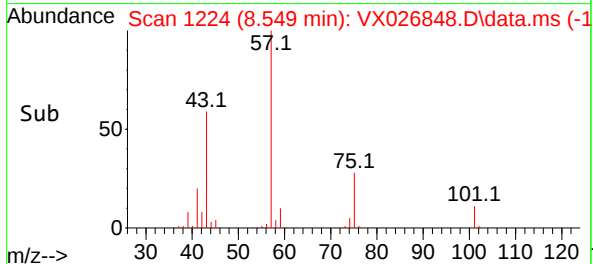
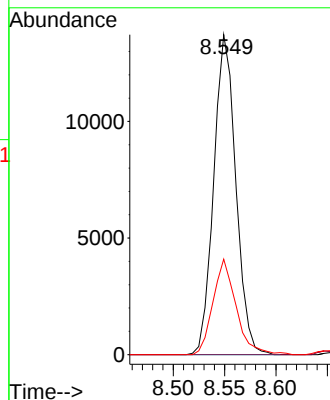
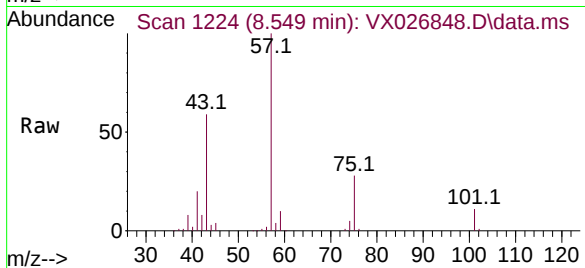
Tgt Ion: 75 Resp: 20520

Ion Ratio Lower Upper

75 100

77 0.0 26.2 39.2#

39 29.9 43.5 65.3#



#57

1,3-Dichloropropane

Concen: 4.866 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX026848.D

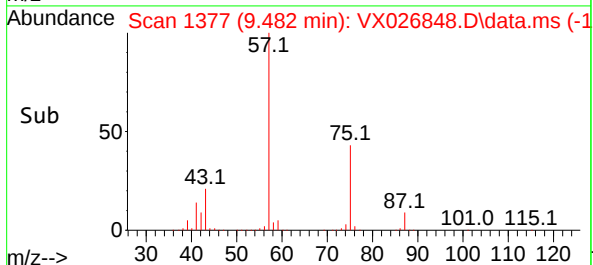
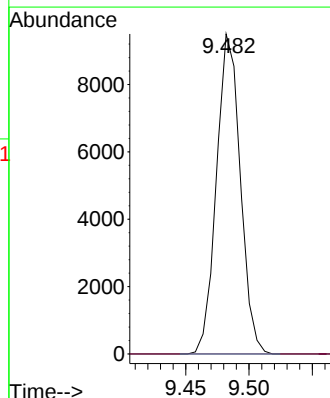
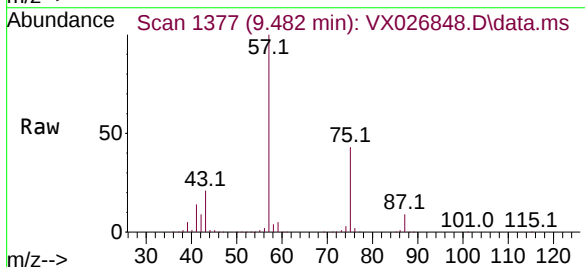
Acq: 09 Feb 2022 02:01

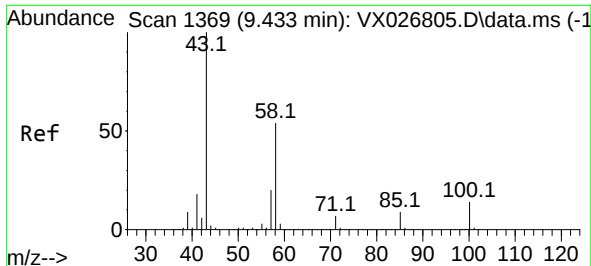
Tgt Ion: 76 Resp: 12442

Ion Ratio Lower Upper

76 100

78 0.0 25.7 38.5#





#59

2-Hexanone

Concen: 3.565 ug/l

RT: 9.378 min Scan# 11

Delta R.T. -0.055 min

Lab File: VX026848.D

Acq: 09 Feb 2022 02:01

Instrument :

MSVOA\_X

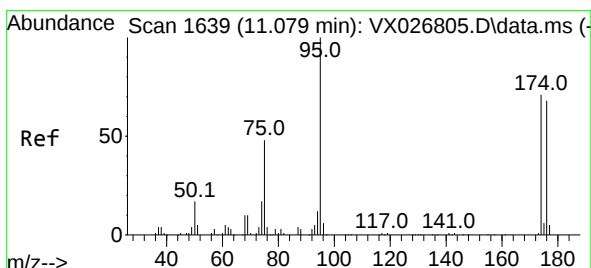
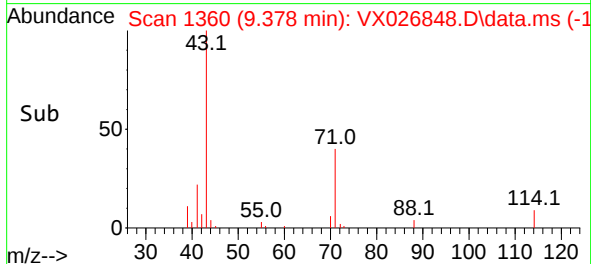
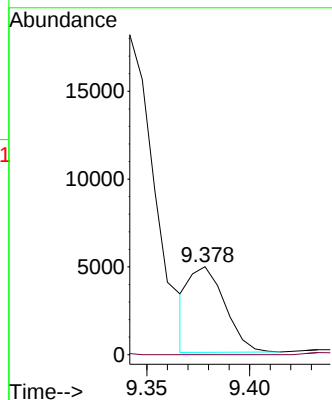
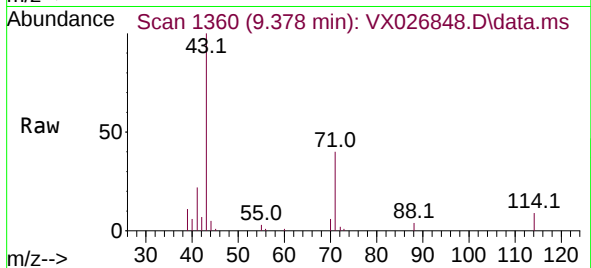
ClientSampleId :

Tgt Ion: 43 Resp: 5889

Ion Ratio Lower Upper

43 100

58 0.0 26.4 79.2#



#62

4-Bromofluorobenzene

Concen: 56.656 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX026848.D

Acq: 09 Feb 2022 02:01

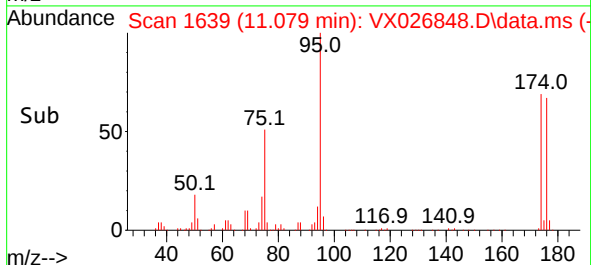
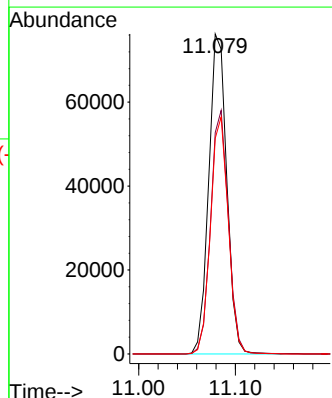
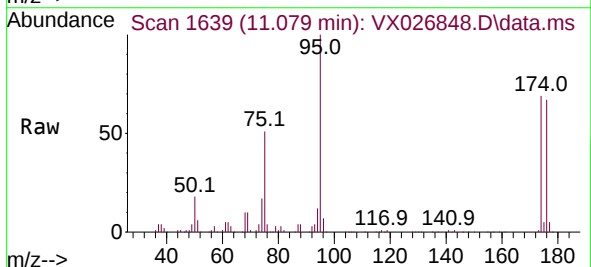
Tgt Ion: 95 Resp: 98929

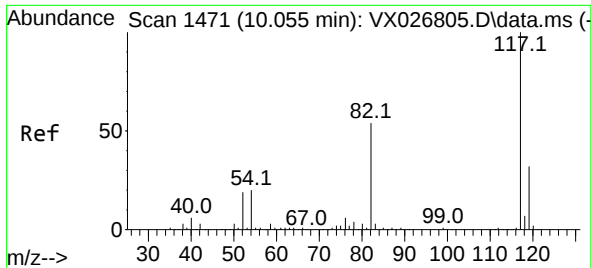
Ion Ratio Lower Upper

95 100

174 75.0 0.0 148.6

176 73.0 0.0 141.4

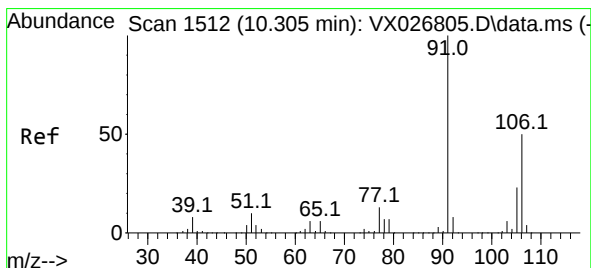
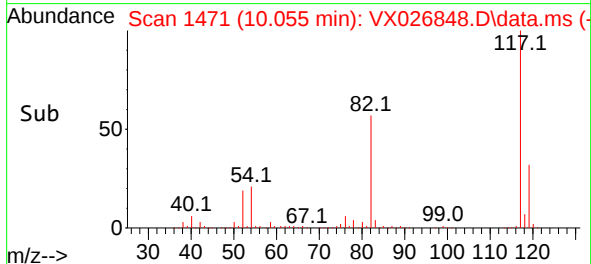
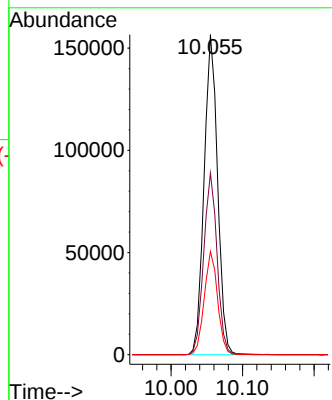
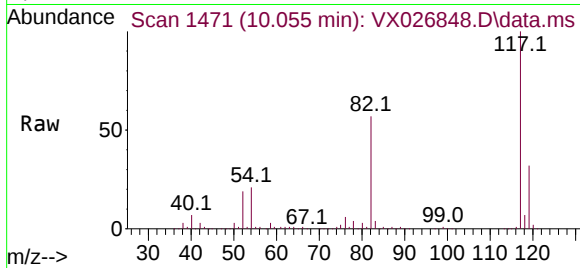




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX026848.D  
Acq: 09 Feb 2022 02:01

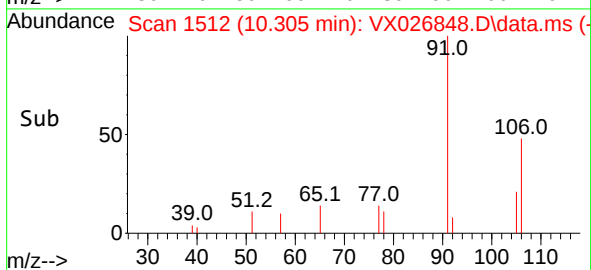
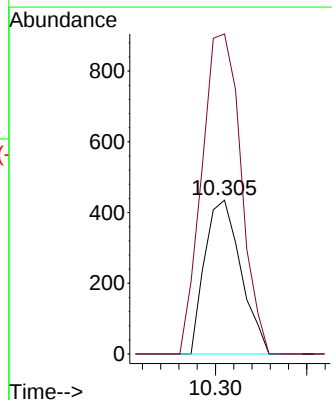
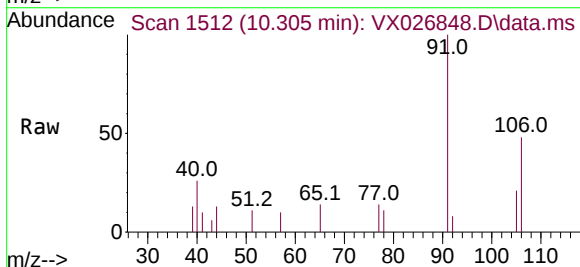
Instrument :  
MSVOA\_X  
ClientSampleId :

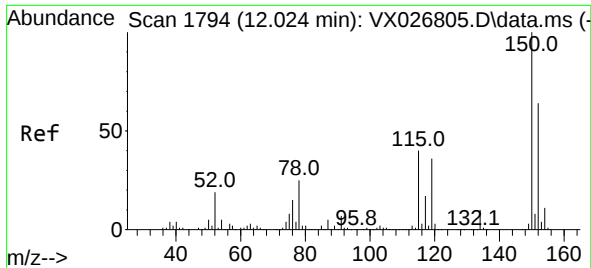
Tgt Ion:117 Resp: 205881  
Ion Ratio Lower Upper  
117 100  
82 56.7 45.2 67.8  
119 32.3 26.2 39.2



#68  
m/p-Xylenes  
Concen: 0.206 ug/l  
RT: 10.305 min Scan# 1512  
Delta R.T. 0.000 min  
Lab File: VX026848.D  
Acq: 09 Feb 2022 02:01

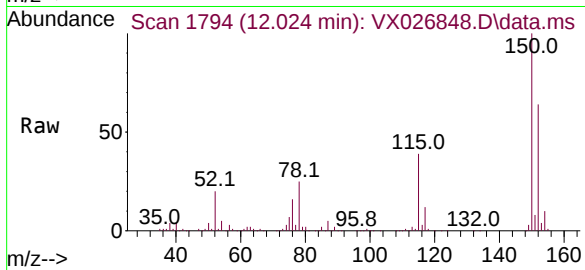
Tgt Ion:106 Resp: 597  
Ion Ratio Lower Upper  
106 100  
91 226.1 165.3 247.9



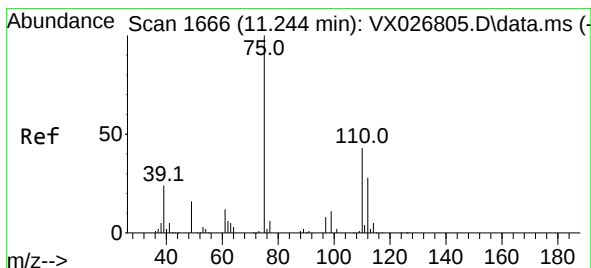
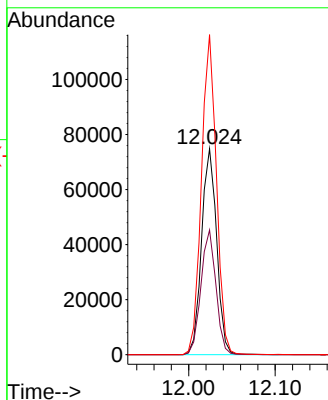
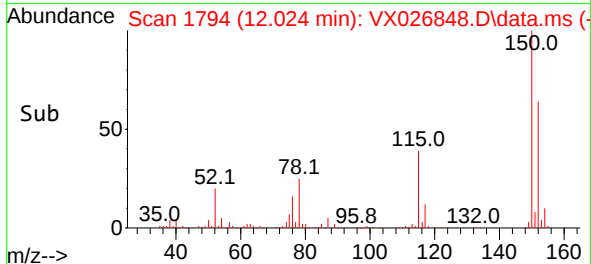


#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VX026848.D  
 Acq: 09 Feb 2022 02:01

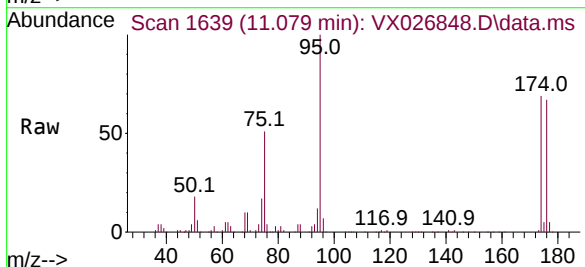
Instrument :  
 MSVOA\_X  
 ClientSampleId :



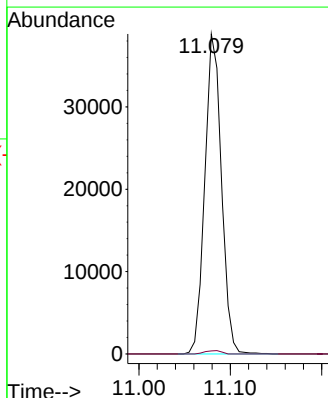
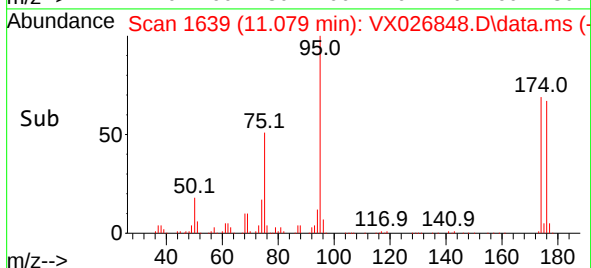
Tgt Ion:152 Resp: 90463  
 Ion Ratio Lower Upper  
 152 100  
 115 60.3 44.2 132.6  
 150 154.4 0.0 348.2

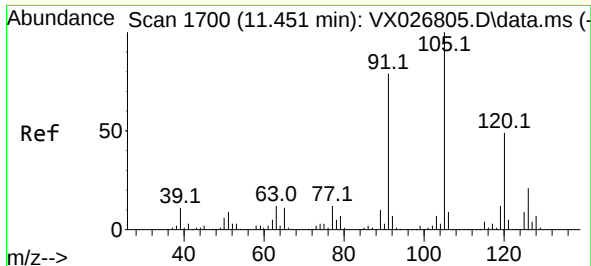


#76  
 1,2,3-Trichloropropane  
 Concen: 24.697 ug/l  
 RT: 11.079 min Scan# 1639  
 Delta R.T. -0.165 min  
 Lab File: VX026848.D  
 Acq: 09 Feb 2022 02:01



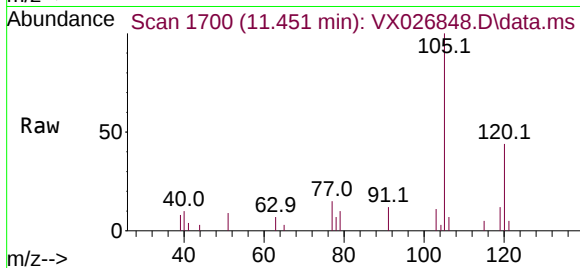
Tgt Ion: 75 Resp: 48906  
 Ion Ratio Lower Upper  
 75 100  
 77 1.0 18.3 54.8#



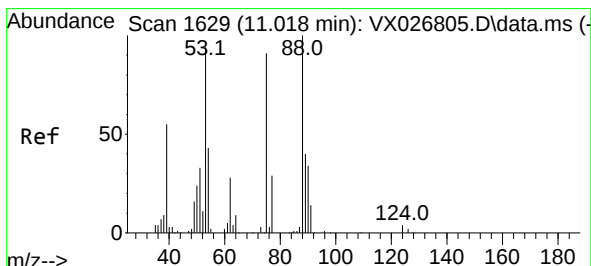
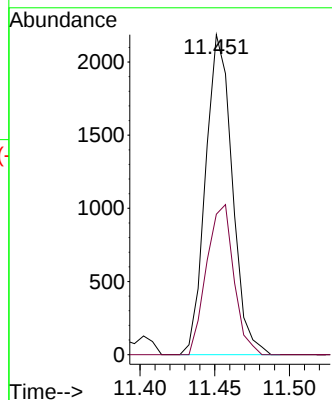
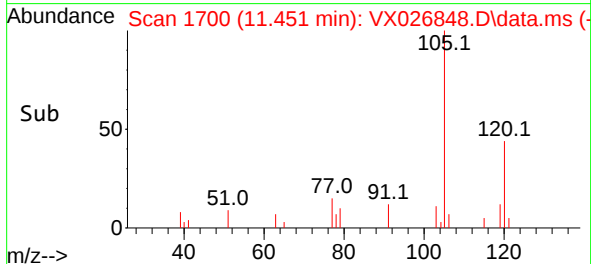


#80  
1,3,5-Trimethylbenzene  
Concen: 0.463 ug/l  
RT: 11.451 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX026848.D  
Acq: 09 Feb 2022 02:01

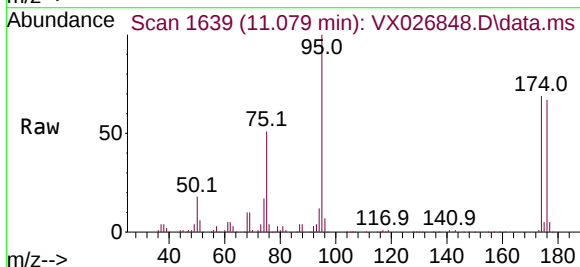
Instrument :  
MSVOA\_X  
ClientSampleId :



Tgt Ion:105 Resp: 2715  
Ion Ratio Lower Upper  
105 100  
120 47.8 24.0 72.0



#81  
trans-1,4-Dichloro-2-butene  
Concen: 75.371 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX026848.D  
Acq: 09 Feb 2022 02:01



Tgt Ion: 75 Resp: 48906  
Ion Ratio Lower Upper  
75 100  
53 0.0 94.0 141.0#  
89 0.0 37.0 55.4#

