

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX030822\  
 Data File : VX027346.D  
 Acq On : 08 Mar 2022 21:06  
 Operator : JC/MD  
 Sample : N1815-02 20X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PW-1

Quant Time: Mar 09 00:19:11 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X030822W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 08 15:54:34 2022  
 Response via : Initial Calibration

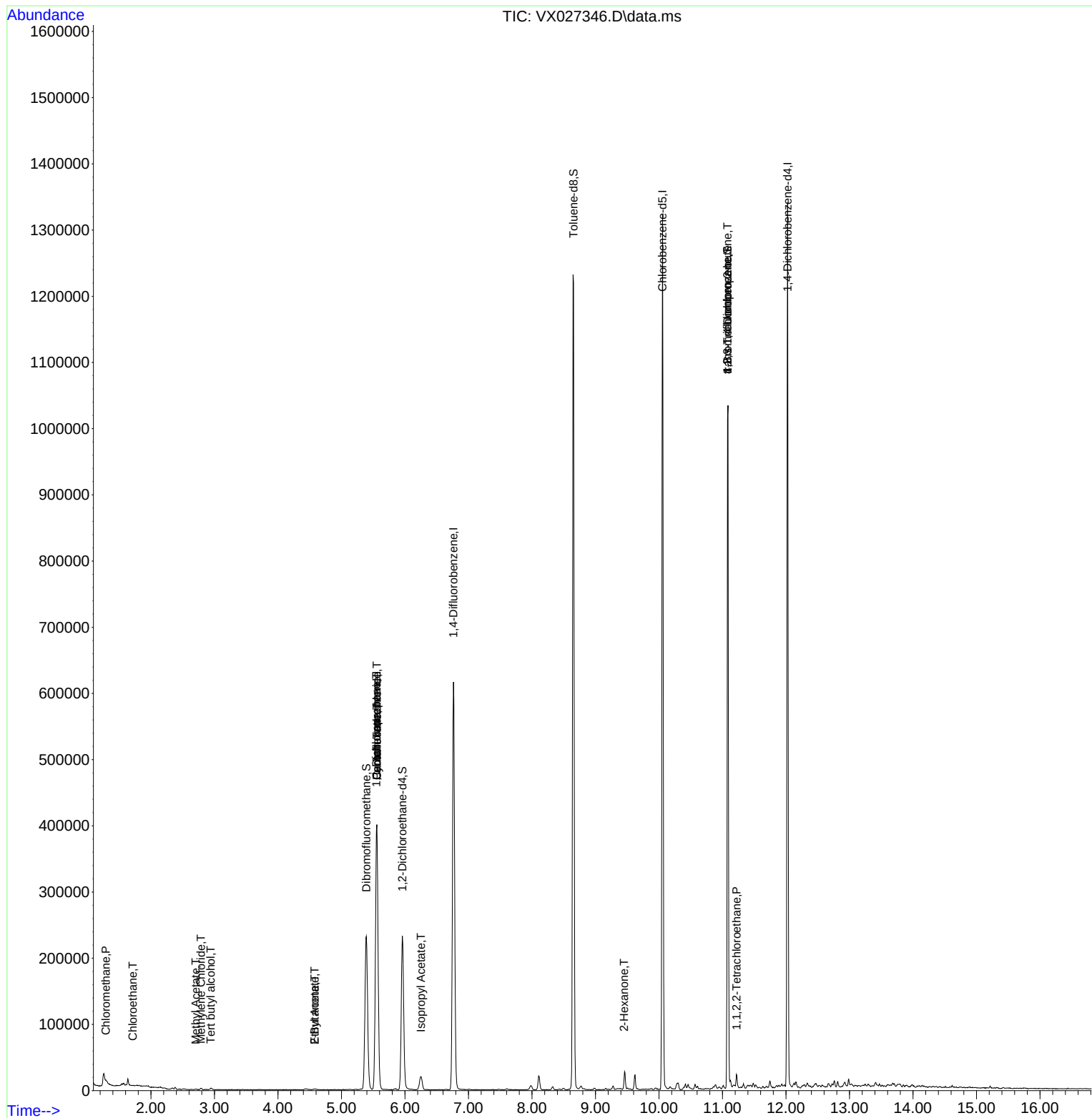
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 5.556  | 168   | 404616   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 667668   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 617967   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 284340   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 222107   | 47.072    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 61 - 141 | Recovery  | =      | 94.140%  |
| 35) Dibromofluoromethane      | 5.391  | 113   | 210283   | 48.810    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 69 - 133 | Recovery  | =      | 97.620%  |
| 50) Toluene-d8                | 8.653  | 98    | 789687   | 48.552    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 65 - 126 | Recovery  | =      | 97.100%  |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 292993   | 47.265    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 135 | Recovery  | =      | 94.520%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 3) Chloromethane              | 1.288  | 50    | 885      | 0.203     | ug/l   | 94       |
| 5) Bromomethane               | 1.605  | 94    | 432      | Below Cal | #      | 53       |
| 6) Chloroethane               | 1.715  | 64    | 354      | 0.578     | ug/l # | 49       |
| 11) Tert butyl alcohol        | 2.941  | 59    | 1565     | 1.692     | ug/l # | 72       |
| 16) Acetone                   | 2.380  | 43    | 2965     | Below Cal |        | 100      |
| 18) Methyl Acetate            | 2.703  | 43    | 1194     | 0.230     | ug/l   | 90       |
| 20) Methylene Chloride        | 2.788  | 84    | 982      | 0.213     | ug/l # | 82       |
| 25) 2-Butanone                | 4.574  | 43    | 1275     | 0.392     | ug/l # | 67       |
| 31) Cyclohexane               | 5.556  | 56    | 6619     | 1.003     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.550  | 75    | 27595    | 4.613     | ug/l # | 50       |
| 37) Ethyl Acetate             | 4.574  | 43    | 1275     | 0.202     | ug/l # | 75       |
| 38) Carbon Tetrachloride      | 5.556  | 117   | 38571    | 6.236     | ug/l # | 15       |
| 43) Isopropyl Acetate         | 6.251  | 43    | 4959     | 0.522     | ug/l # | 56       |
| 59) 2-Hexanone                | 9.452  | 43    | 2220     | 0.452     | ug/l   | 92       |
| 75) 1,1,2,2-Tetrachloroethane | 11.220 | 83    | 1798     | 0.252     | ug/l # | 36       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 134970   | 21.635    | ug/l # | 38       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 134970   | 69.970    | ug/l # | 15       |
| -----                         |        |       |          |           |        |          |

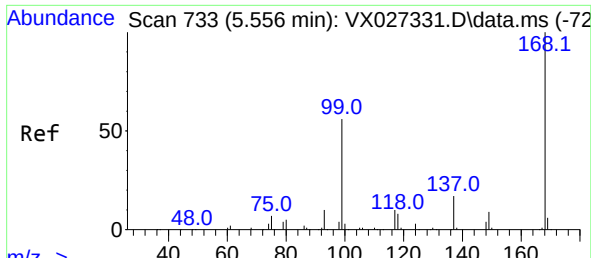
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX030822\  
Data File : VX027346.D  
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Sample : N1815-02 20X  
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ClientSampleId :  
PW-1

Quant Time: Mar 09 00:19:11 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X030822W.M  
Quant Title : SW846 8260  
QLast Update : Tue Mar 08 15:54:34 2022  
Response via : Initial Calibration

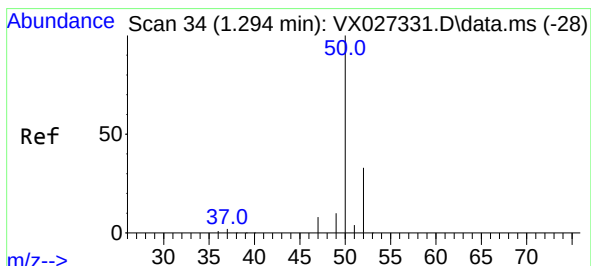
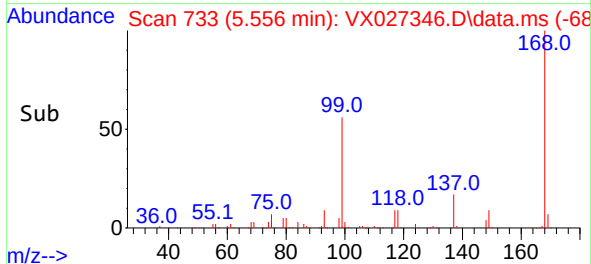
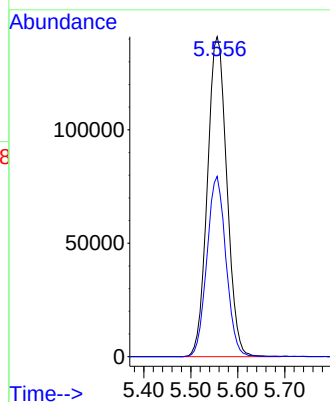
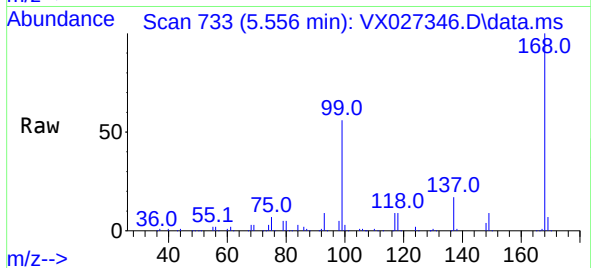




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VX027346.D  
Acq: 08 Mar 2022 21:06

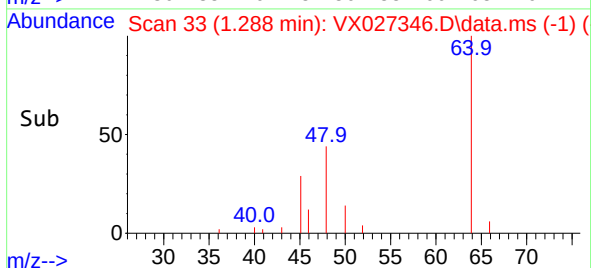
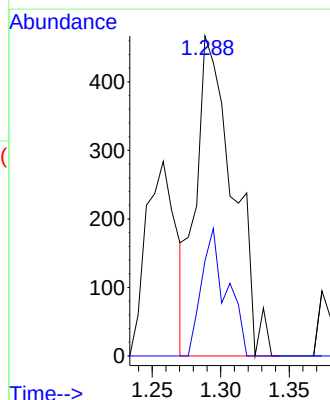
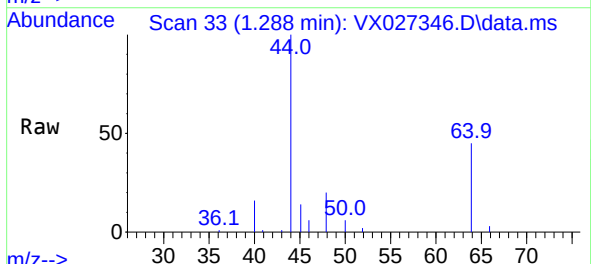
Instrument :  
MSVOA\_X  
ClientSampleId :  
PW-1

Tgt Ion:168 Resp: 404616  
Ion Ratio Lower Upper  
168 100  
99 56.3 41.7 62.5

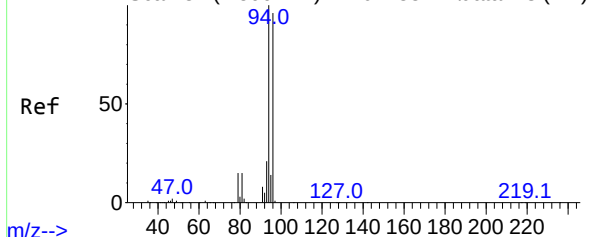


#3  
Chloromethane  
Concen: 0.203 ug/l  
RT: 1.288 min Scan# 33  
Delta R.T. -0.006 min  
Lab File: VX027346.D  
Acq: 08 Mar 2022 21:06

Tgt Ion: 50 Resp: 885  
Ion Ratio Lower Upper  
50 100  
52 29.8 26.4 39.6



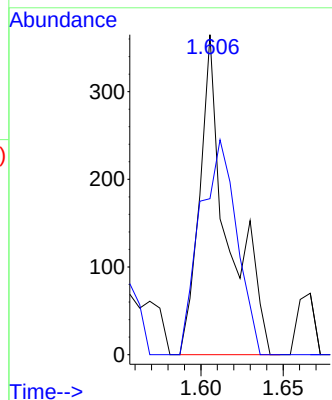
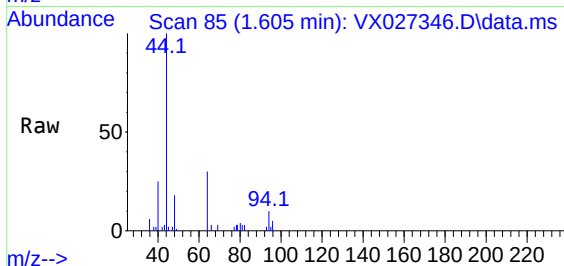
Abundance Scan 84 (1.599 min): VX027331.D\data.ms (-74)



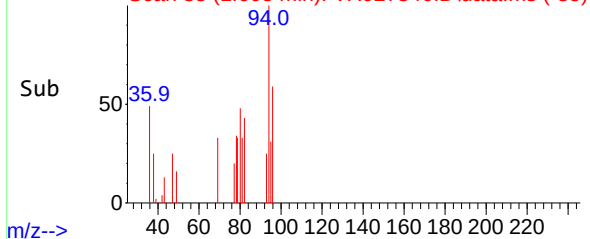
#5  
Bromomethane  
Concen: Below Cal  
RT: 1.605 min Scan# 81  
Delta R.T. 0.006 min  
Lab File: VX027346.D  
Acq: 08 Mar 2022 21:06

Instrument :  
MSVOA\_X  
ClientSampleId :  
PW-1

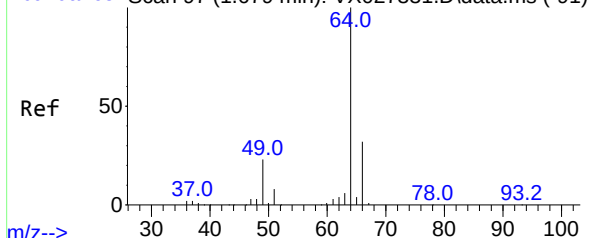
Tgt Ion: 94 Resp: 432  
Ion Ratio Lower Upper  
94 100  
96 48.8 75.3 112.9#



Abundance Scan 85 (1.605 min): VX027346.D\data.ms (-35)

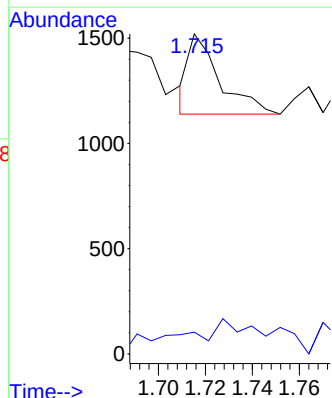
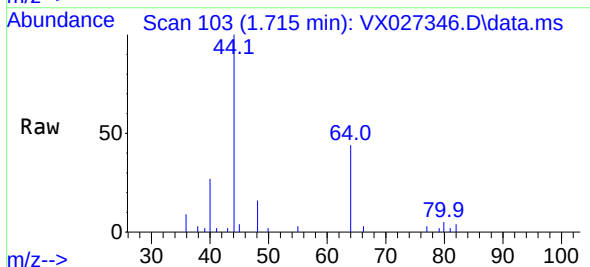


Abundance Scan 97 (1.679 min): VX027331.D\data.ms (-91)

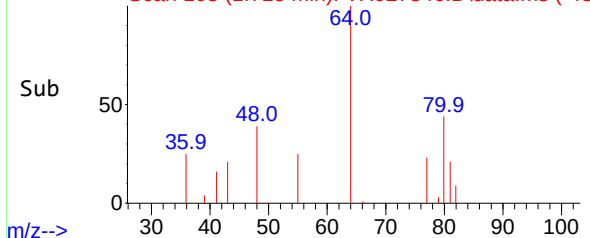


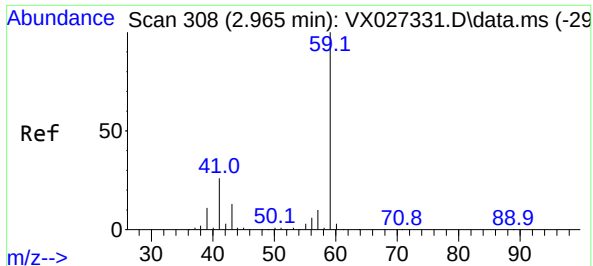
#6  
Chloroethane  
Concen: 0.578 ug/l  
RT: 1.715 min Scan# 103  
Delta R.T. 0.036 min  
Lab File: VX027346.D  
Acq: 08 Mar 2022 21:06

Tgt Ion: 64 Resp: 354  
Ion Ratio Lower Upper  
64 100  
66 3.1 25.3 37.9#



Abundance Scan 103 (1.715 min): VX027346.D\data.ms (-48)





#11

Tert butyl alcohol

Concen: 1.692 ug/l

RT: 2.941 min Scan# 308

Delta R.T. -0.024 min

Lab File: VX027346.D

Acq: 08 Mar 2022 21:06

Instrument :

MSVOA\_X

ClientSampleId :

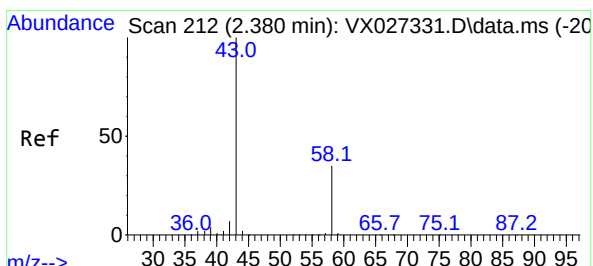
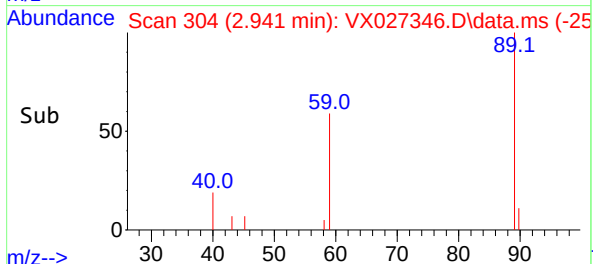
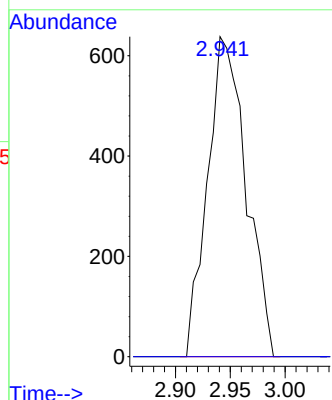
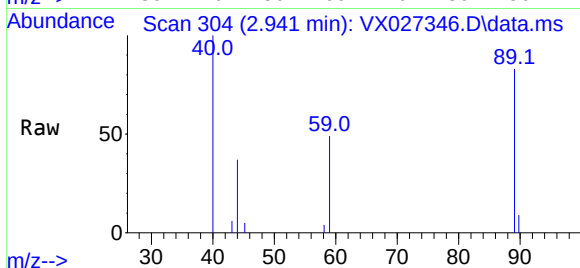
PW-1

Tgt Ion: 59 Resp: 1565

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: Below Cal

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX027346.D

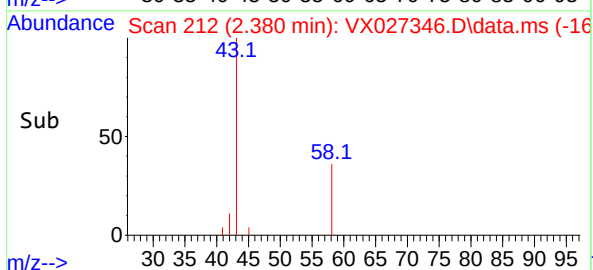
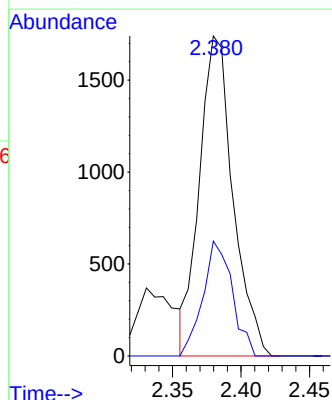
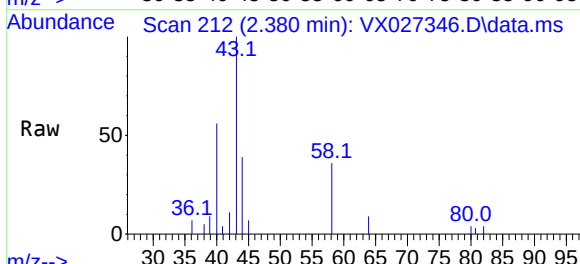
Acq: 08 Mar 2022 21:06

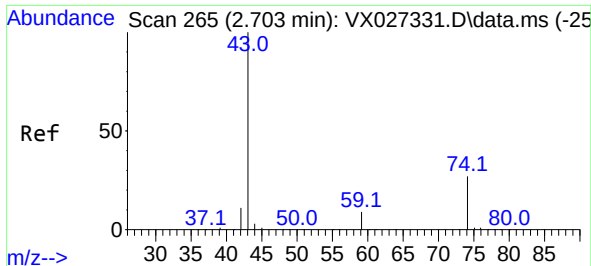
Tgt Ion: 43 Resp: 2965

Ion Ratio Lower Upper

43 100

58 35.9 28.8 43.2

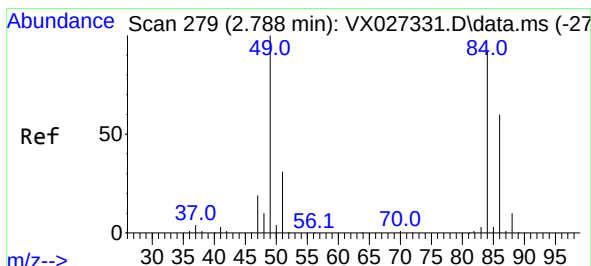
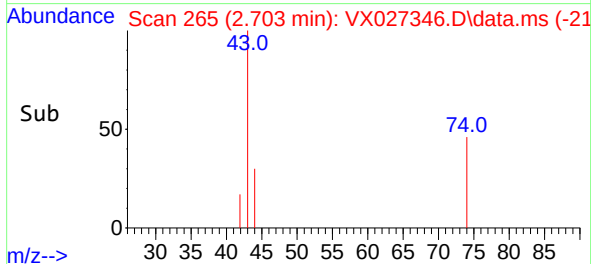
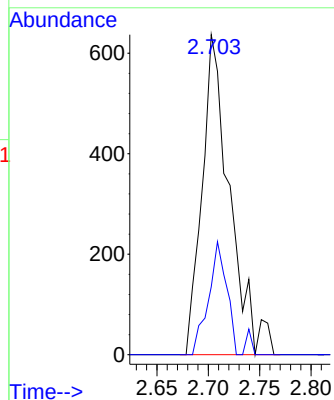
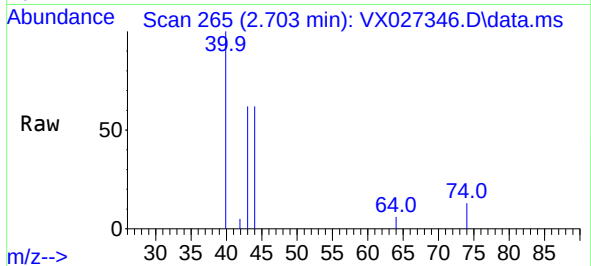




#18  
Methyl Acetate  
Concen: 0.230 ug/l  
RT: 2.703 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VX027346.D  
Acq: 08 Mar 2022 21:06

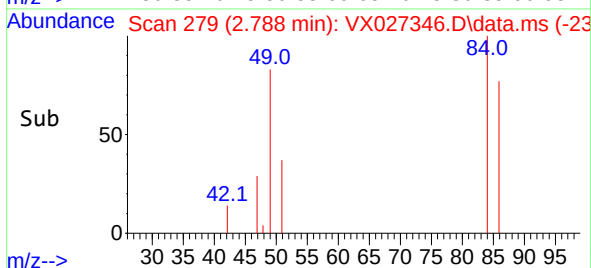
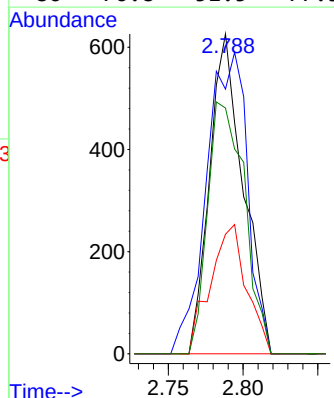
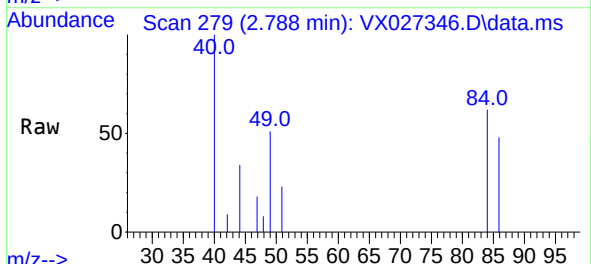
Instrument :  
MSVOA\_X  
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PW-1

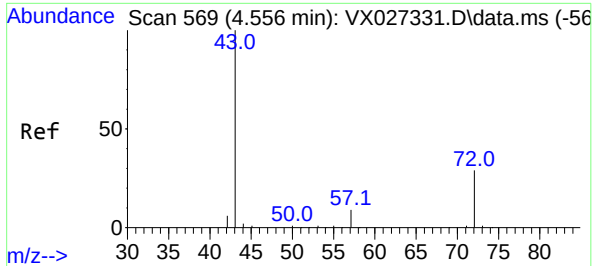
Tgt Ion: 43 Resp: 1194  
Ion Ratio Lower Upper  
43 100  
74 23.2 22.8 34.2



#20  
Methylene Chloride  
Concen: 0.213 ug/l  
RT: 2.788 min Scan# 279  
Delta R.T. 0.000 min  
Lab File: VX027346.D  
Acq: 08 Mar 2022 21:06

Tgt Ion: 84 Resp: 982  
Ion Ratio Lower Upper  
84 100  
49 82.7 85.5 128.3#  
51 37.4 26.6 39.8  
86 76.8 51.5 77.3

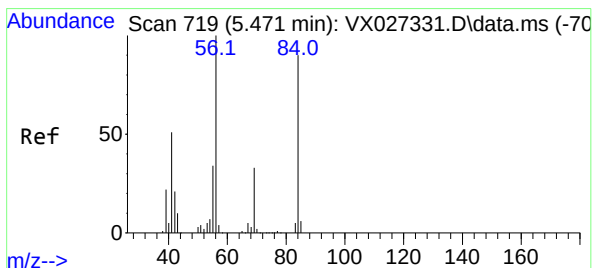
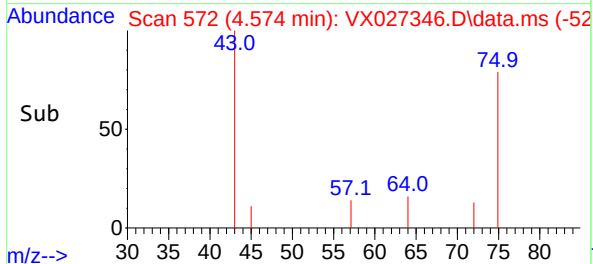
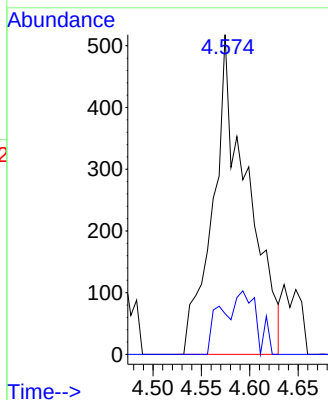
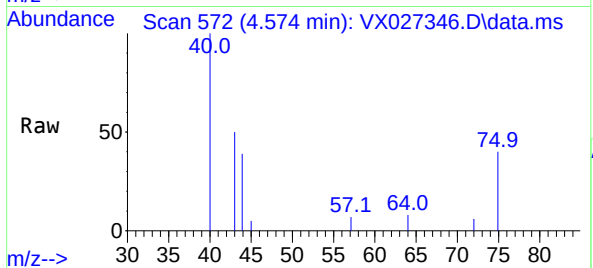




#25  
2-Butanone  
Concen: 0.392 ug/l  
RT: 4.574 min Scan# 51  
Delta R.T. 0.018 min  
Lab File: VX027346.D  
Acq: 08 Mar 2022 21:06

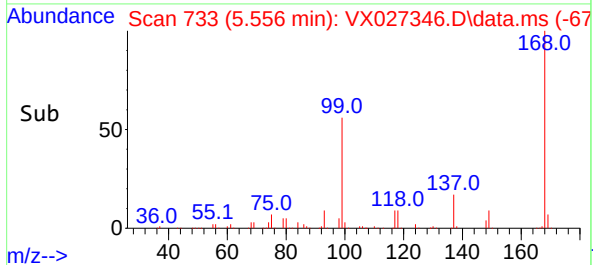
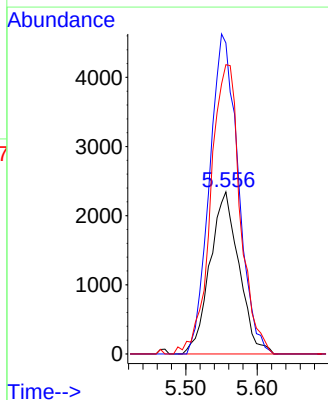
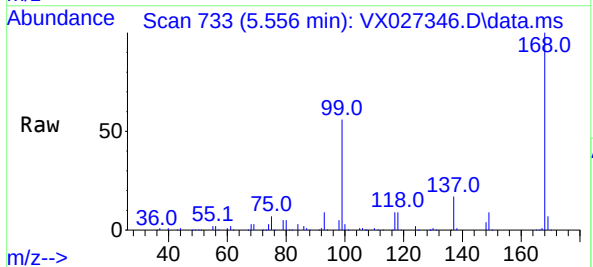
Instrument :  
MSVOA\_X  
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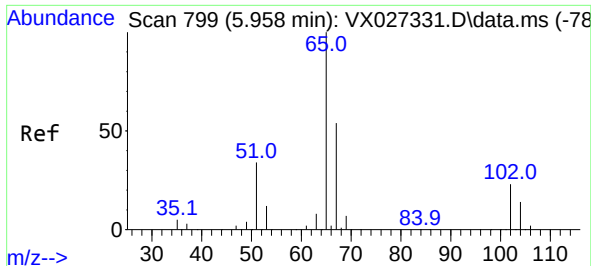
Tgt Ion: 43 Resp: 1275  
Ion Ratio Lower Upper  
43 100  
72 12.7 24.4 36.6#



#31  
Cyclohexane  
Concen: 1.003 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. 0.085 min  
Lab File: VX027346.D  
Acq: 08 Mar 2022 21:06

Tgt Ion: 56 Resp: 6619  
Ion Ratio Lower Upper  
56 100  
69 192.0 26.7 40.1#  
84 178.5 77.2 115.8#

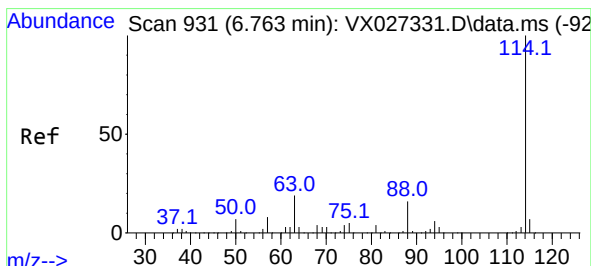
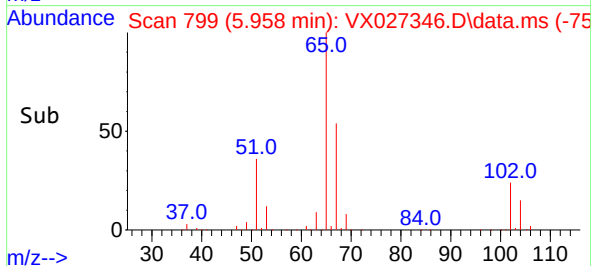
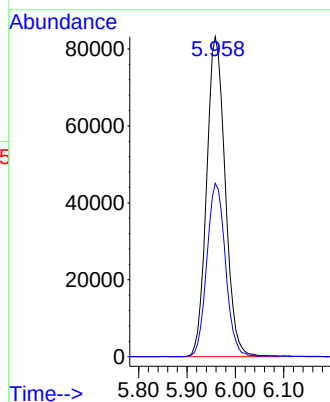
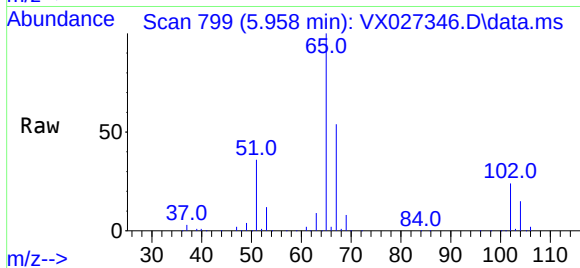




#33  
 1,2-Dichloroethane-d4  
 Concen: 47.072 ug/l  
 RT: 5.958 min Scan# 799  
 Delta R.T. 0.000 min  
 Lab File: VX027346.D  
 Acq: 08 Mar 2022 21:06

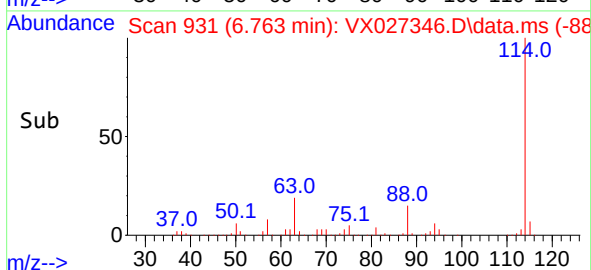
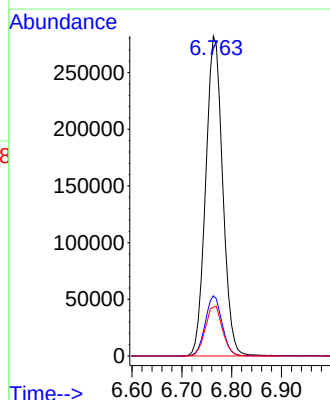
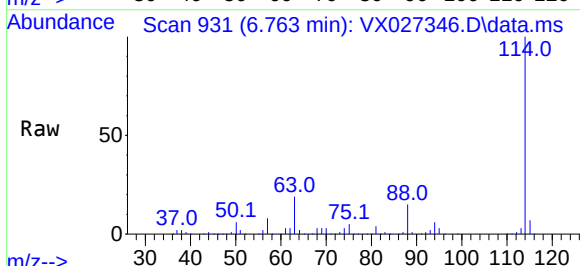
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PW-1

Tgt Ion: 65 Resp: 222107  
 Ion Ratio Lower Upper  
 65 100  
 67 54.2 0.0 107.4

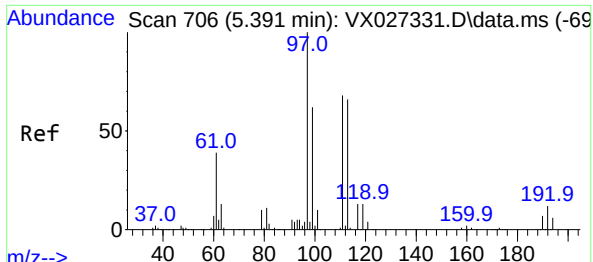


#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.763 min Scan# 931  
 Delta R.T. 0.000 min  
 Lab File: VX027346.D  
 Acq: 08 Mar 2022 21:06

Tgt Ion: 114 Resp: 667668  
 Ion Ratio Lower Upper  
 114 100  
 63 18.8 0.0 36.8  
 88 15.3 0.0 32.4





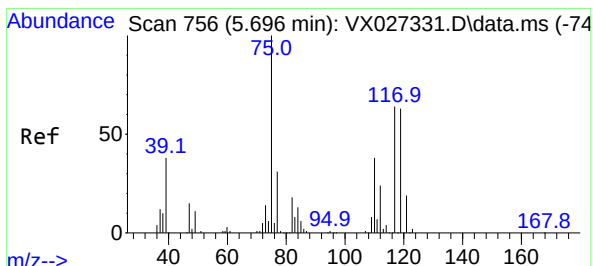
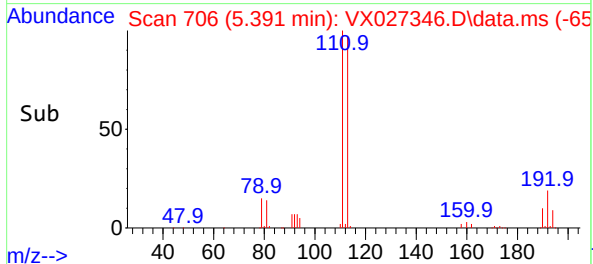
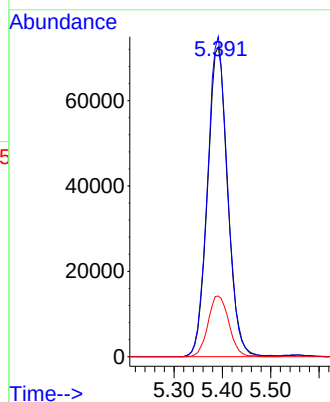
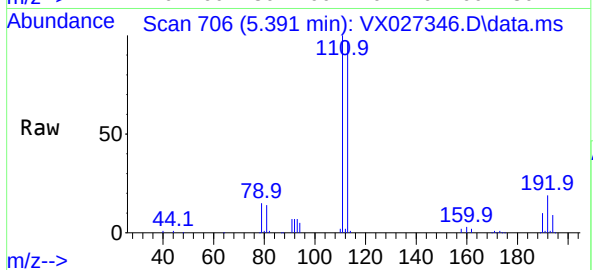


#35  
 Dibromofluoromethane  
 Concen: 48.810 ug/l  
 RT: 5.391 min Scan# 706  
 Delta R.T. 0.000 min  
 Lab File: VX027346.D  
 Acq: 08 Mar 2022 21:06

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PW-1

Tgt Ion: 113 Resp: 210283

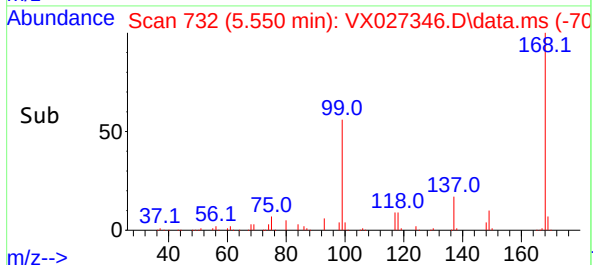
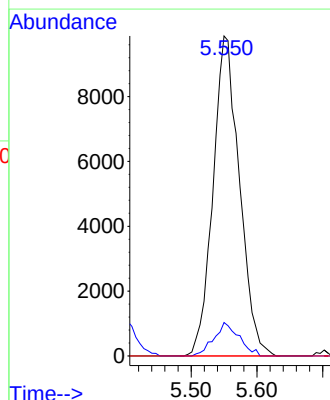
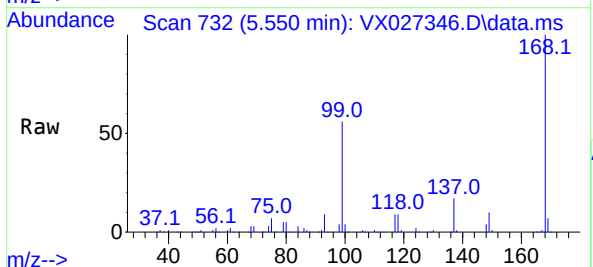
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 102.5 | 82.8  | 124.2 |
| 192 | 20.3  | 16.9  | 25.3  |

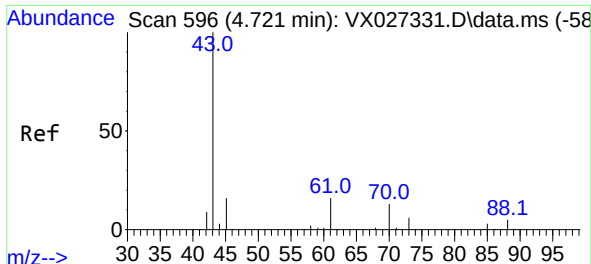


#36  
 1,1-Dichloropropene  
 Concen: 4.613 ug/l  
 RT: 5.550 min Scan# 732  
 Delta R.T. -0.146 min  
 Lab File: VX027346.D  
 Acq: 08 Mar 2022 21:06

Tgt Ion: 75 Resp: 27595

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 110 | 10.0  | 18.3  | 54.8# |
| 77  | 0.0   | 24.8  | 37.2# |

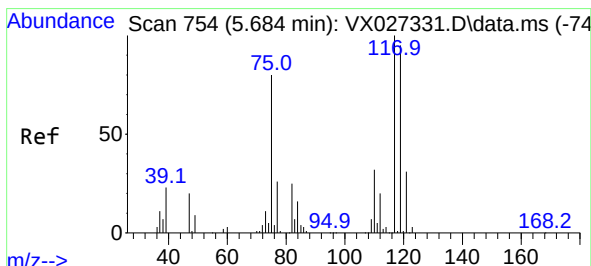
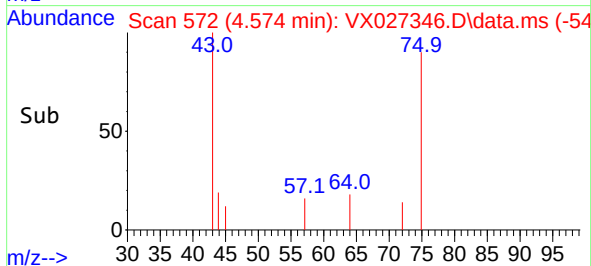
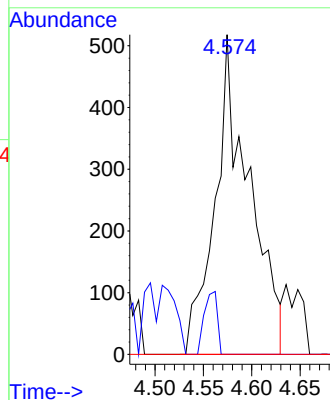
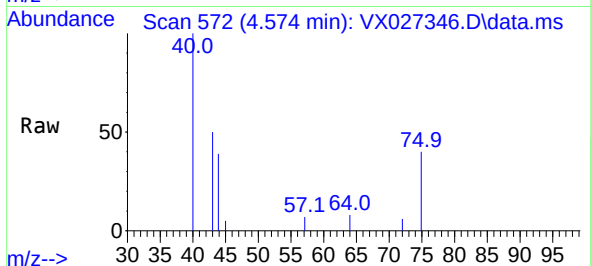




#37  
Ethyl Acetate  
Concen: 0.202 ug/l  
RT: 4.574 min Scan# 51  
Delta R.T. -0.147 min  
Lab File: VX027346.D  
Acq: 08 Mar 2022 21:06

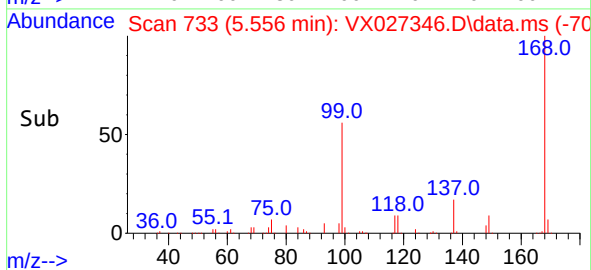
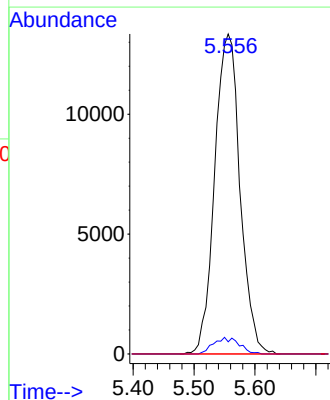
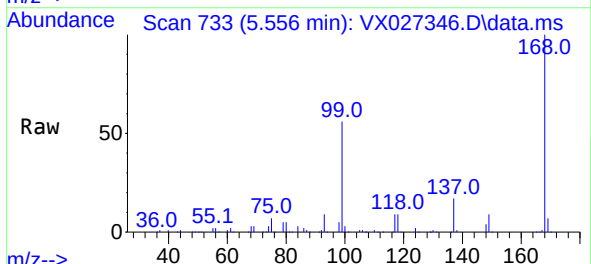
Instrument :  
MSVOA\_X  
ClientSampleId :  
PW-1

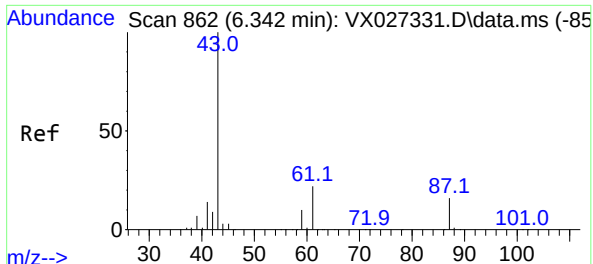
Tgt Ion: 43 Resp: 1275  
Ion Ratio Lower Upper  
43 100  
61 7.5 12.6 19.0#  
70 0.0 10.2 15.2#



#38  
Carbon Tetrachloride  
Concen: 6.236 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. -0.128 min  
Lab File: VX027346.D  
Acq: 08 Mar 2022 21:06

Tgt Ion: 117 Resp: 38571  
Ion Ratio Lower Upper  
117 100  
119 3.8 77.3 115.9#  
121 0.0 24.2 36.2#

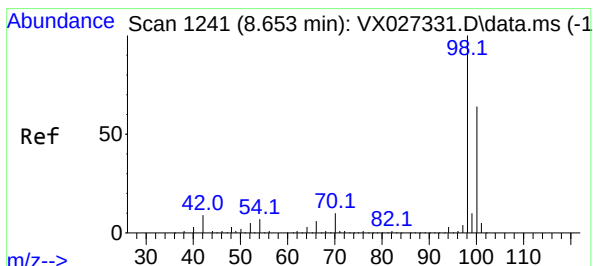
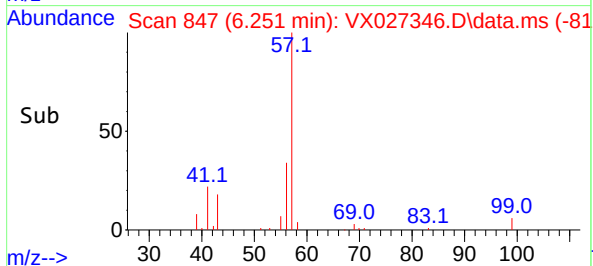
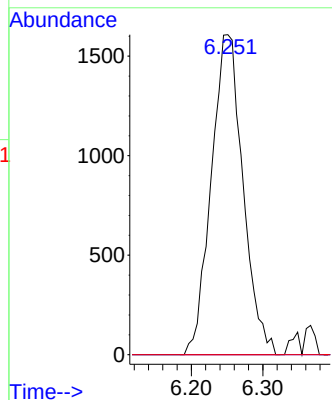
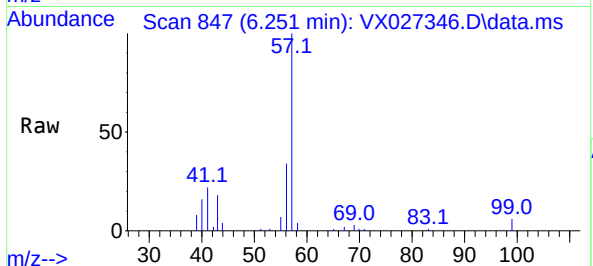




#43  
Isopropyl Acetate  
Concen: 0.522 ug/l  
RT: 6.251 min Scan# 847  
Delta R.T. -0.091 min  
Lab File: VX027346.D  
Acq: 08 Mar 2022 21:06

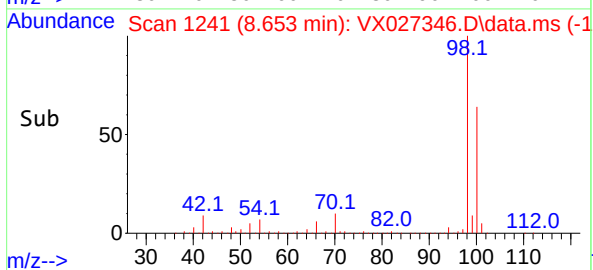
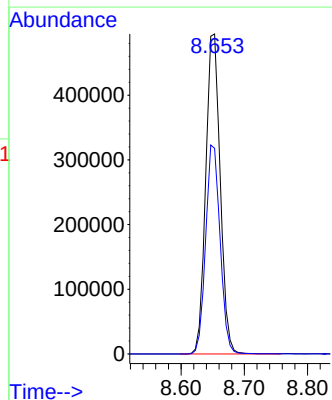
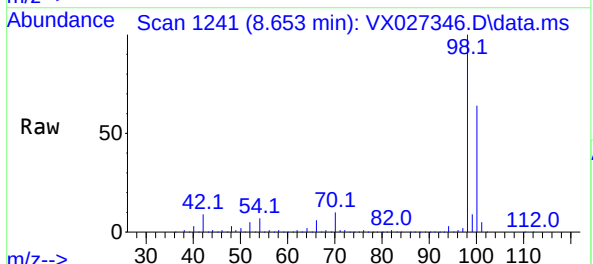
Instrument :  
MSVOA\_X  
ClientSampleId :  
PW-1

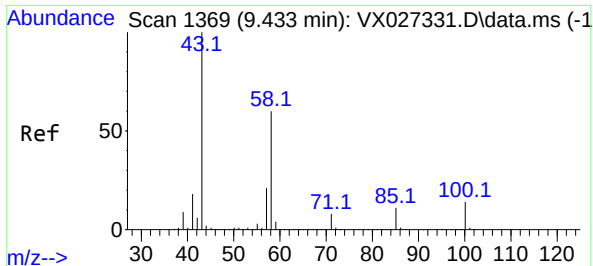
Tgt Ion: 43 Resp: 4959  
Ion Ratio Lower Upper  
43 100  
61 0.0 18.5 27.7#  
87 0.0 13.0 19.6#



#50  
Toluene-d8  
Concen: 48.552 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. 0.000 min  
Lab File: VX027346.D  
Acq: 08 Mar 2022 21:06

Tgt Ion: 98 Resp: 789687  
Ion Ratio Lower Upper  
98 100  
100 65.0 52.6 78.8

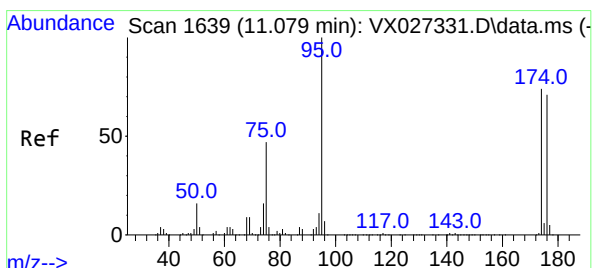
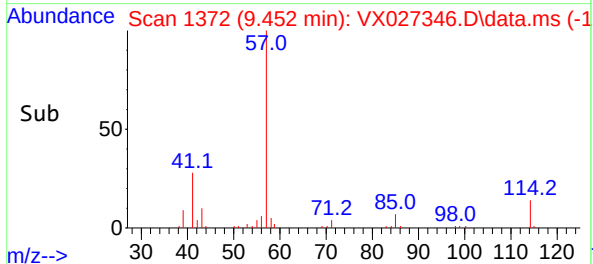
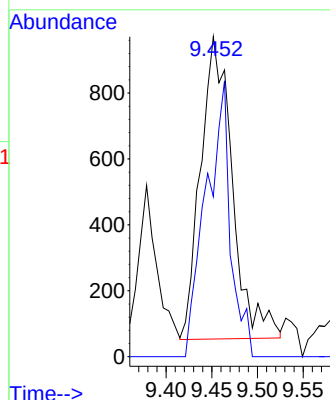
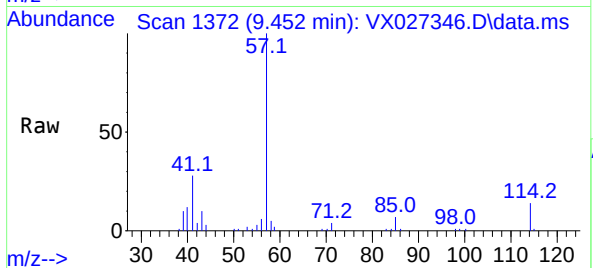




#59  
2-Hexanone  
Concen: 0.452 ug/l  
RT: 9.452 min Scan# 11  
Delta R.T. 0.019 min  
Lab File: VX027346.D  
Acq: 08 Mar 2022 21:06

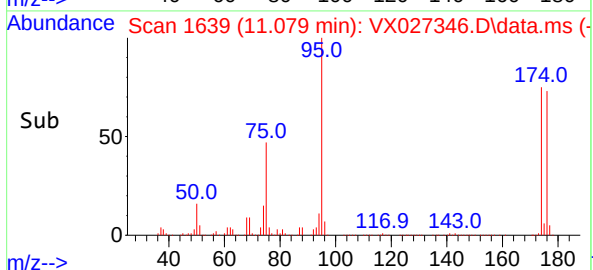
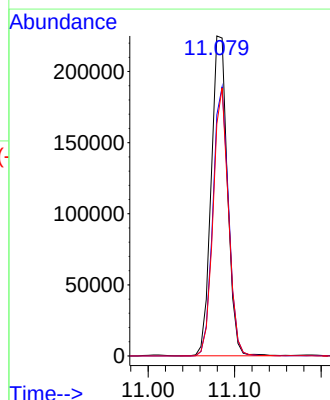
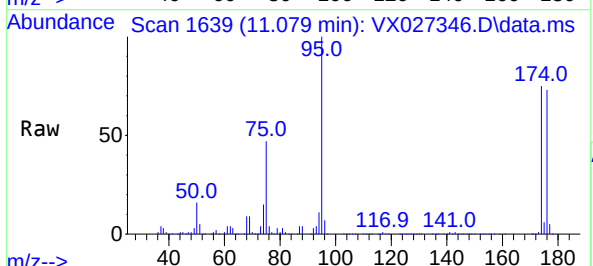
Instrument :  
MSVOA\_X  
ClientSampleId :  
PW-1

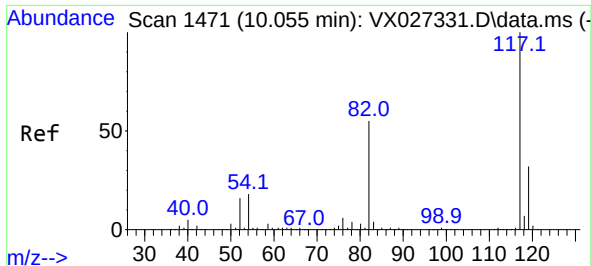
Tgt Ion: 43 Resp: 2220  
Ion Ratio Lower Upper  
43 100  
58 69.9 31.9 95.7



#62  
4-Bromofluorobenzene  
Concen: 47.265 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX027346.D  
Acq: 08 Mar 2022 21:06

Tgt Ion: 95 Resp: 292993  
Ion Ratio Lower Upper  
95 100  
174 81.3 0.0 163.0  
176 79.0 0.0 155.0

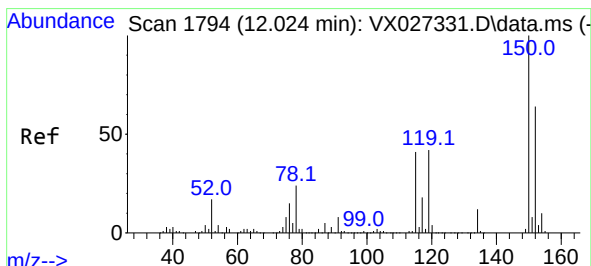
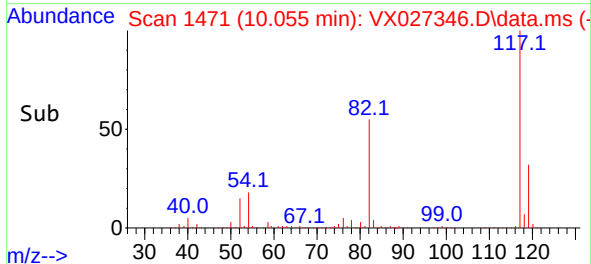
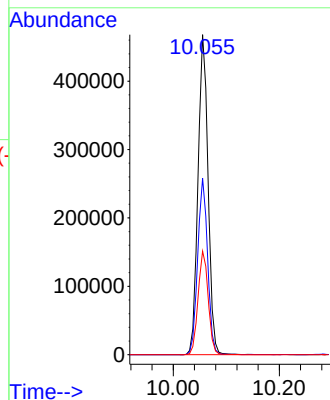
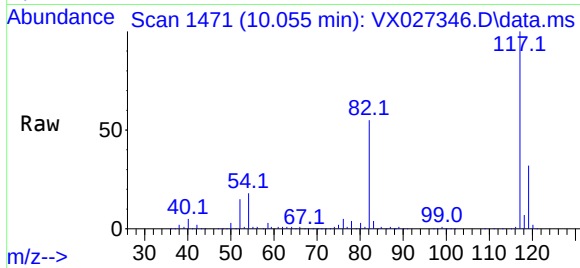




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX027346.D  
Acq: 08 Mar 2022 21:06

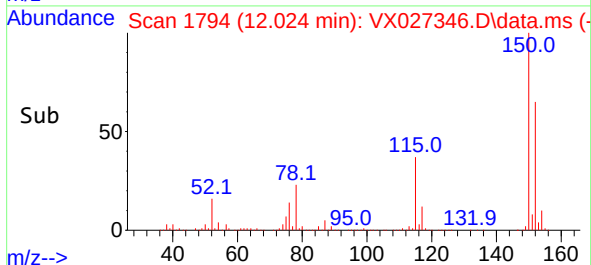
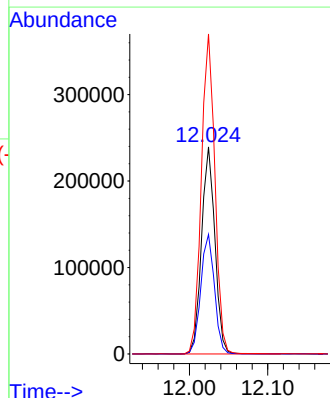
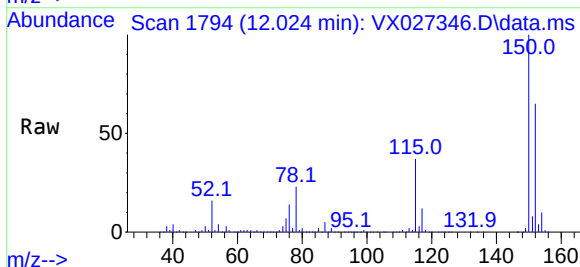
Instrument :  
MSVOA\_X  
ClientSampleId :  
PW-1

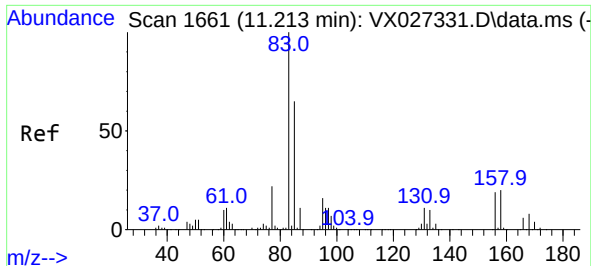
Tgt Ion:117 Resp: 617967  
Ion Ratio Lower Upper  
117 100  
82 55.1 41.8 62.8  
119 32.4 24.8 37.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX027346.D  
Acq: 08 Mar 2022 21:06

Tgt Ion:152 Resp: 284340  
Ion Ratio Lower Upper  
152 100  
115 59.1 37.5 112.7  
150 156.5 0.0 338.2

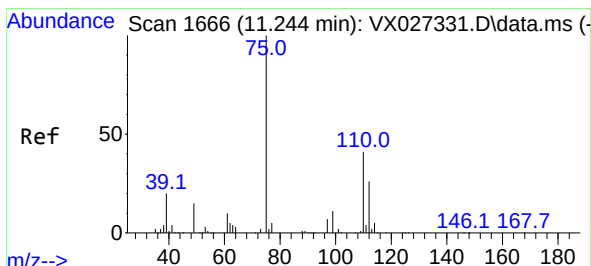
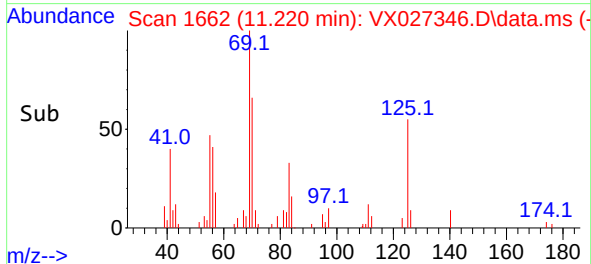
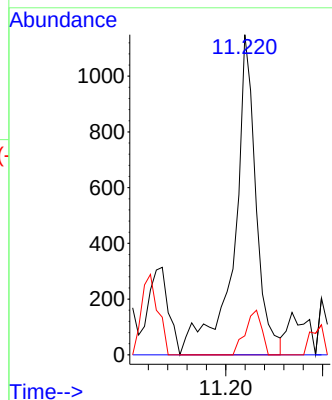
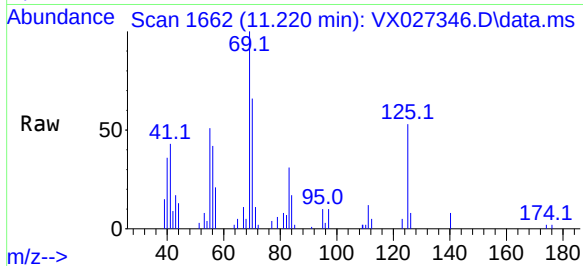




#75  
1,1,2,2-Tetrachloroethane  
Concen: 0.252 ug/l  
RT: 11.220 min Scan# 1662  
Delta R.T. 0.007 min  
Lab File: VX027346.D  
Acq: 08 Mar 2022 21:06

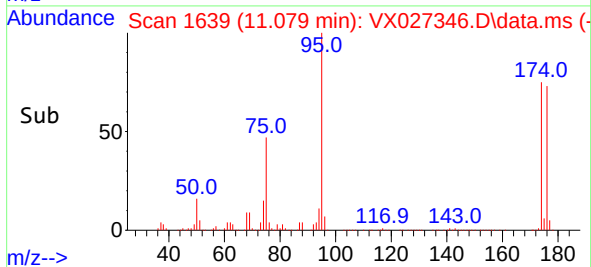
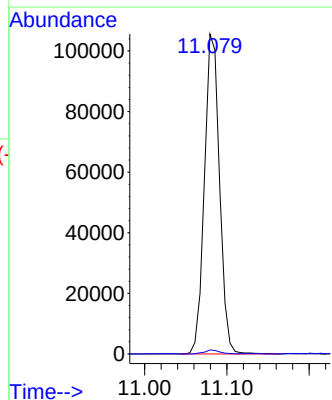
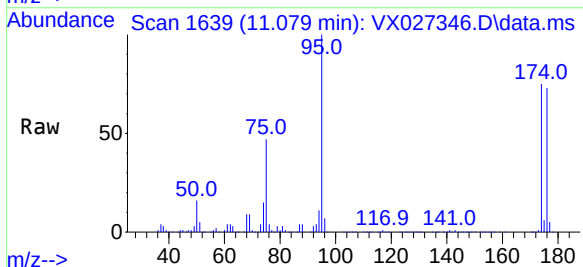
Instrument :  
MSVOA\_X  
ClientSampleId :  
PW-1

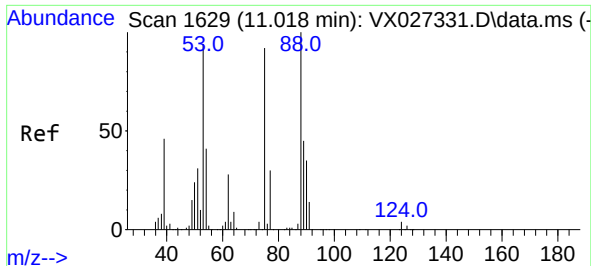
Tgt Ion: 83 Resp: 1798  
Ion Ratio Lower Upper  
83 100  
131 0.0 5.1 15.3#  
85 10.4 32.6 97.7#



#76  
1,2,3-Trichloropropane  
Concen: 21.635 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.165 min  
Lab File: VX027346.D  
Acq: 08 Mar 2022 21:06

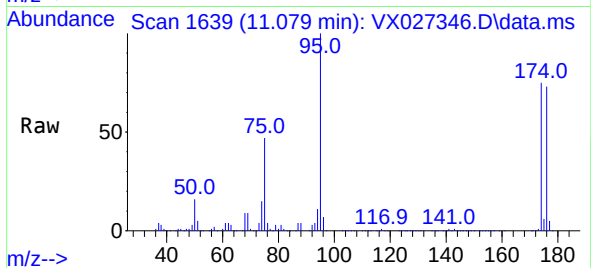
Tgt Ion: 75 Resp: 134970  
Ion Ratio Lower Upper  
75 100  
77 1.3 19.4 58.2#





#81  
trans-1,4-Dichloro-2-butene  
Concen: 69.970 ug/l  
RT: 11.079 min Scan# 1  
Delta R.T. 0.061 min  
Lab File: VX027346.D  
Acq: 08 Mar 2022 21:06

Instrument :  
MSVOA\_X  
ClientSampleId :  
PW-1



Tgt Ion: 75 Resp: 134970  
Ion Ratio Lower Upper  
75 100  
53 0.1 69.0 103.4#  
89 0.0 37.0 55.6#

