

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX032921\  
 Data File : VX021602.D  
 Acq On : 30 Mar 2021 01:50  
 Operator : JC/MD  
 Sample : M1843-07  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 42 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE137-20210324

Quant Time: Mar 30 05:23:00 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X032421W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 24 12:25:26 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| -----                      |        |      |          |       |       |          |
| Internal Standards         |        |      |          |       |       |          |
| 1) Pentafluorobenzene      | 5.635  | 168  | 58709    | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.829  | 114  | 105738   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.094 | 117  | 111034   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.059 | 152  | 50197    | 50.00 | ug/l  | 0.00     |

|                             |        |       |          |          |           |      |
|-----------------------------|--------|-------|----------|----------|-----------|------|
| System Monitoring Compounds |        |       |          |          |           |      |
| 33) 1,2-Dichloroethane-d4   | 6.029  | 65    | 49936    | 51.12    | ug/l      | 0.00 |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | = 102.24% |      |
| 35) Dibromofluoromethane    | 5.464  | 113   | 38599    | 51.39    | ug/l      | 0.00 |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 102.78% |      |
| 50) Toluene-d8              | 8.694  | 98    | 134977   | 50.43    | ug/l      | 0.00 |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | = 100.86% |      |
| 62) 4-Bromofluorobenzene    | 11.118 | 95    | 56124    | 53.93    | ug/l      | 0.00 |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | = 107.86% |      |

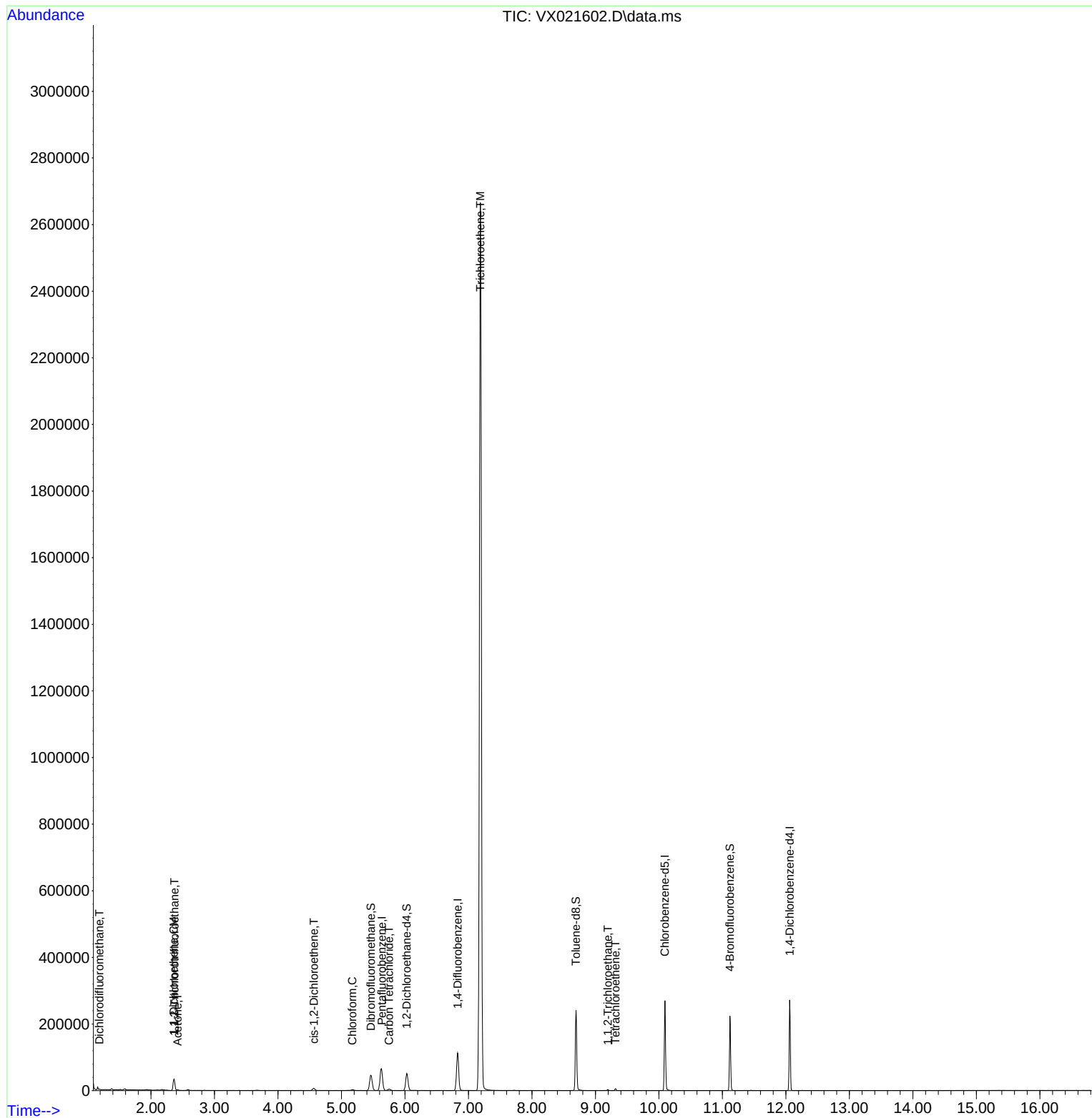
|                              |       |     |        |         |        |        |
|------------------------------|-------|-----|--------|---------|--------|--------|
| Target Compounds             |       |     |        |         |        | Qvalue |
| 2) Dichlorodifluoromethane   | 1.187 | 85  | 576    | 0.89    | ug/l   | 94     |
| 9) 1,1,2-Trichlorotrifluo... | 2.370 | 101 | 10482  | 17.35   | ug/l   | 96     |
| 12) 1,1-Dichloroethene       | 2.358 | 96  | 2965   | 5.01    | ug/l   | 92     |
| 16) Acetone                  | 2.417 | 43  | 1678   | 4.54    | ug/l # | 81     |
| 27) cis-1,2-Dichloroethene   | 4.564 | 96  | 3882   | 5.14    | ug/l   | 94     |
| 30) Chloroform               | 5.170 | 83  | 2691   | 2.03    | ug/l   | 93     |
| 38) Carbon Tetrachloride     | 5.747 | 117 | 3436   | 3.09    | ug/l   | 89     |
| 44) Trichloroethene          | 7.188 | 130 | 943586 | 1215.37 | ug/l   | 94     |
| 55) 1,1,2-Trichloroethane    | 9.194 | 97  | 659    | 0.86    | ug/l # | 91     |
| 64) Tetrachloroethene        | 9.318 | 164 | 908    | 1.22    | ug/l   | 93     |
| -----                        |       |     |        |         |        |        |

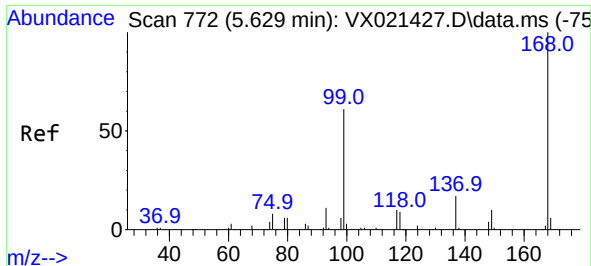
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Wed Mar 24 12:25:26 2021  
Response via : Initial Calibration

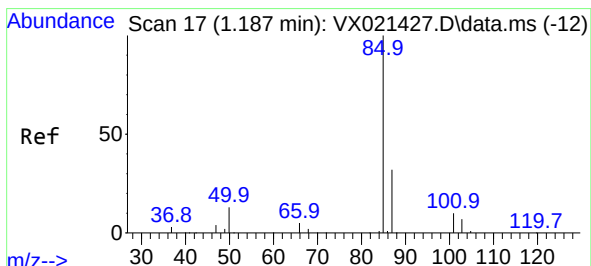
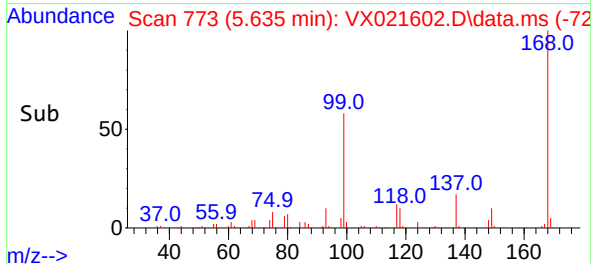
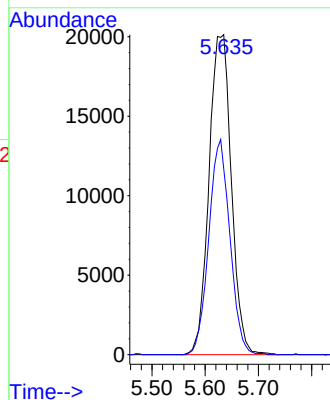
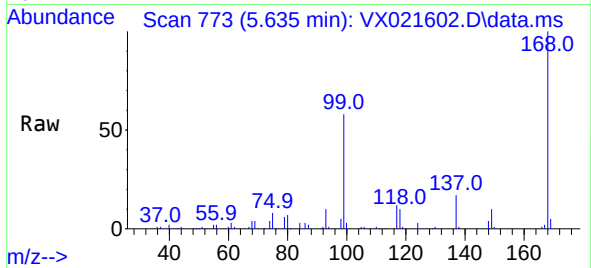




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.635 min Scan# 773  
Delta R.T. 0.006 min  
Lab File: VX021602.D  
Acq: 30 Mar 2021 01:50

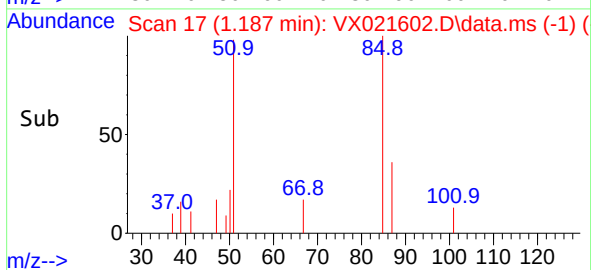
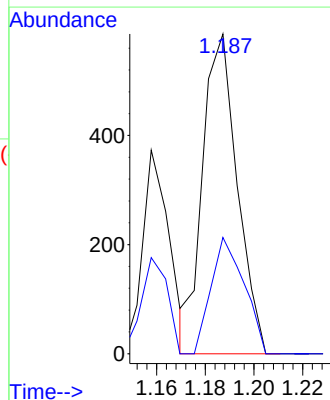
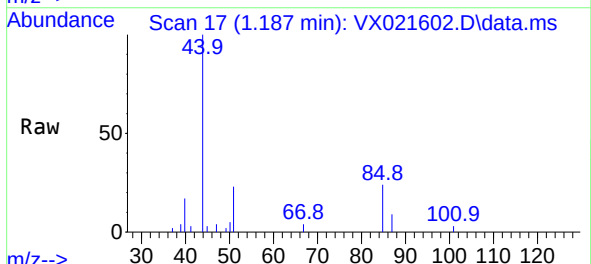
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE137-20210324

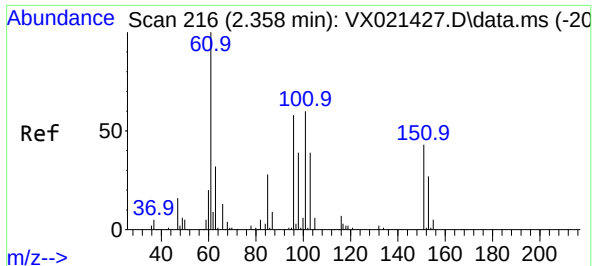
Tgt Ion:168 Resp: 58709  
Ion Ratio Lower Upper  
168 100  
99 58.2 45.8 68.6



#2  
Dichlorodifluoromethane  
Concen: 0.89 ug/l  
RT: 1.187 min Scan# 17  
Delta R.T. 0.000 min  
Lab File: VX021602.D  
Acq: 30 Mar 2021 01:50

Tgt Ion: 85 Resp: 576  
Ion Ratio Lower Upper  
85 100  
87 36.3 16.4 49.2

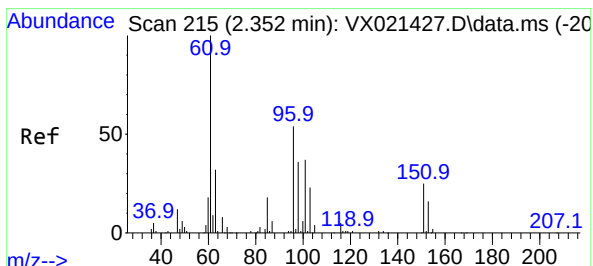
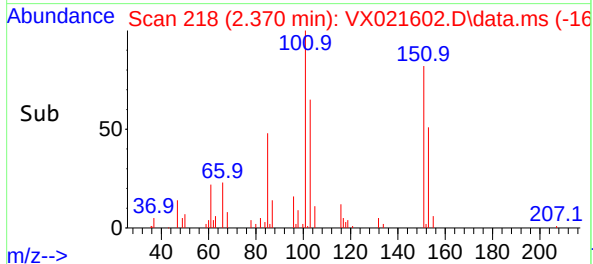
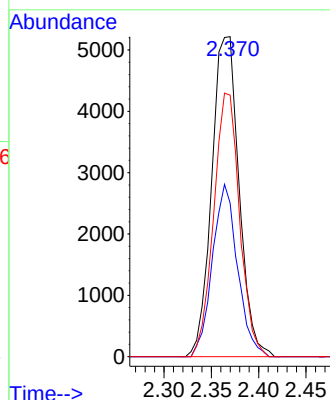
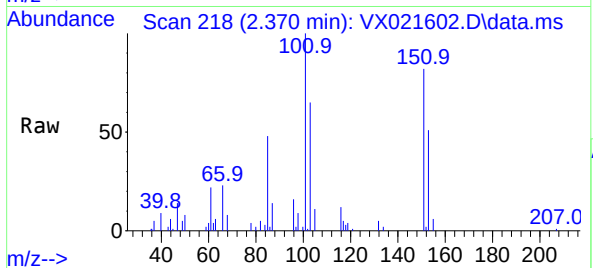




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 17.35 ug/l  
RT: 2.370 min Scan# 218  
Delta R.T. 0.012 min  
Lab File: VX021602.D  
Acq: 30 Mar 2021 01:50

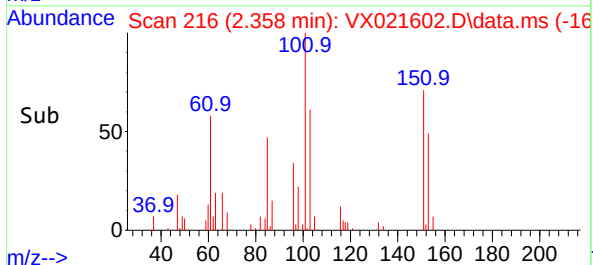
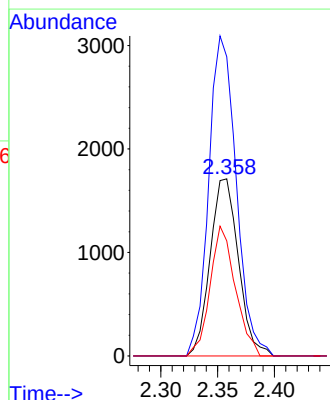
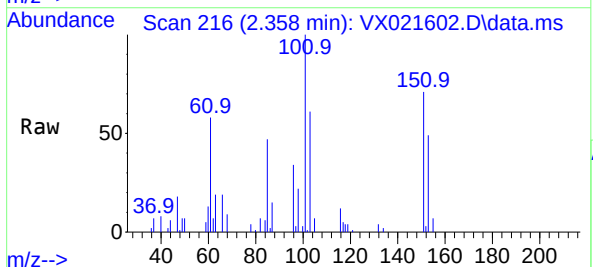
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MSVOA\_X  
ClientSampleId :  
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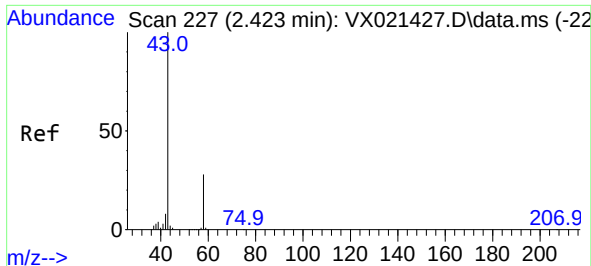
Tgt Ion:101 Resp: 10482  
Ion Ratio Lower Upper  
101 100  
85 49.4 34.9 52.3  
151 78.0 61.4 92.2



#12  
1,1-Dichloroethene  
Concen: 5.01 ug/l  
RT: 2.358 min Scan# 216  
Delta R.T. 0.006 min  
Lab File: VX021602.D  
Acq: 30 Mar 2021 01:50

Tgt Ion: 96 Resp: 2965  
Ion Ratio Lower Upper  
96 100  
61 169.0 124.6 187.0  
98 64.9 50.6 76.0

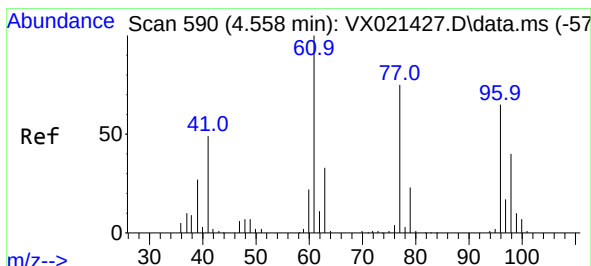
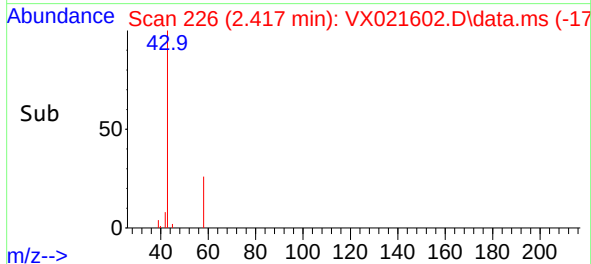
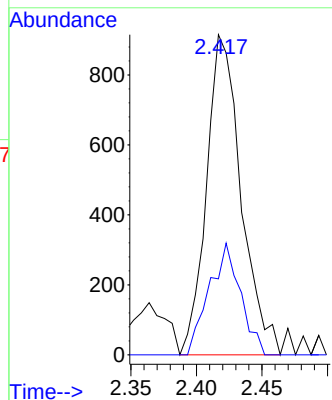
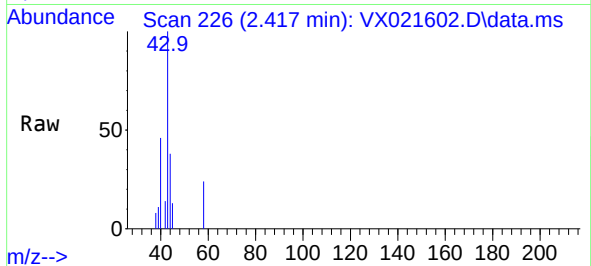




#16  
Acetone  
Concen: 4.54 ug/l  
RT: 2.417 min Scan# 226  
Delta R.T. -0.006 min  
Lab File: VX021602.D  
Acq: 30 Mar 2021 01:50

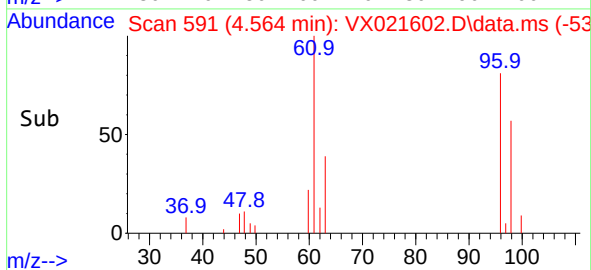
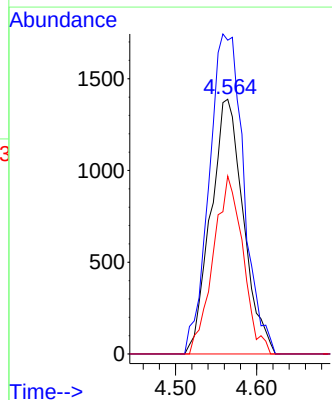
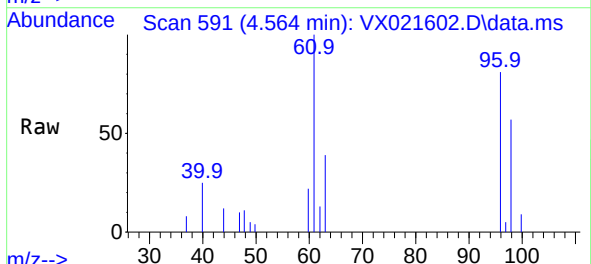
Instrument :  
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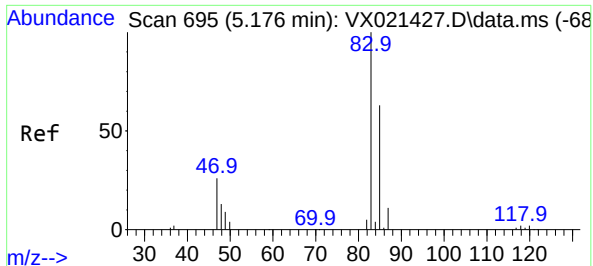
Tgt Ion: 43 Resp: 1678  
Ion Ratio Lower Upper  
43 100  
58 23.7 27.8 41.8#



#27  
cis-1,2-Dichloroethene  
Concen: 5.14 ug/l  
RT: 4.564 min Scan# 591  
Delta R.T. 0.006 min  
Lab File: VX021602.D  
Acq: 30 Mar 2021 01:50

Tgt Ion: 96 Resp: 3882  
Ion Ratio Lower Upper  
96 100  
61 133.0 0.0 285.6  
98 63.6 0.0 129.6





#30

Chloroform

Concen: 2.03 ug/l

RT: 5.170 min Scan# 694

Delta R.T. -0.006 min

Lab File: VX021602.D

Acq: 30 Mar 2021 01:50

Instrument :

MSVOA\_X

ClientSampleId :

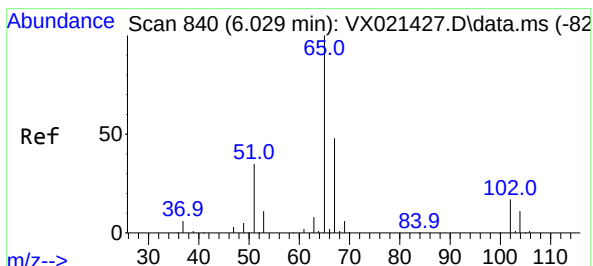
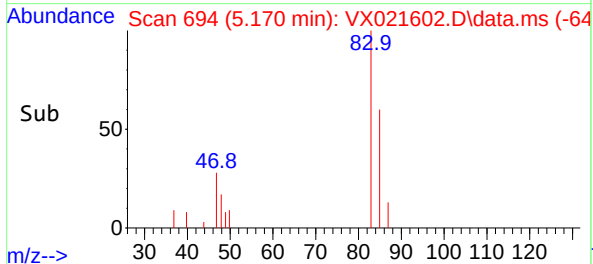
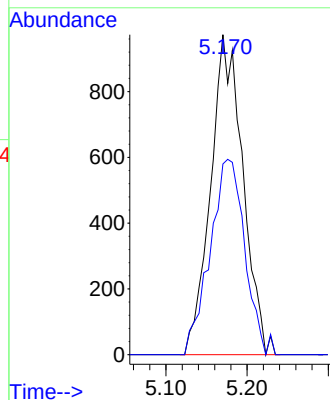
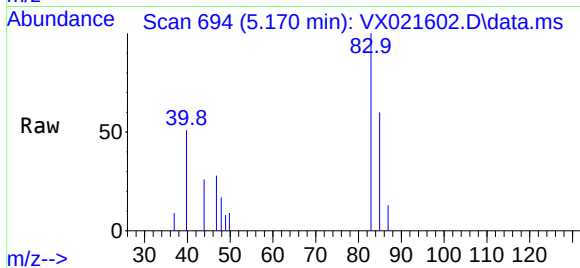
RE137-20210324

Tgt Ion: 83 Resp: 2691

Ion Ratio Lower Upper

83 100

85 59.6 52.0 78.0



#33

1,2-Dichloroethane-d4

Concen: 51.12 ug/l

RT: 6.029 min Scan# 840

Delta R.T. 0.000 min

Lab File: VX021602.D

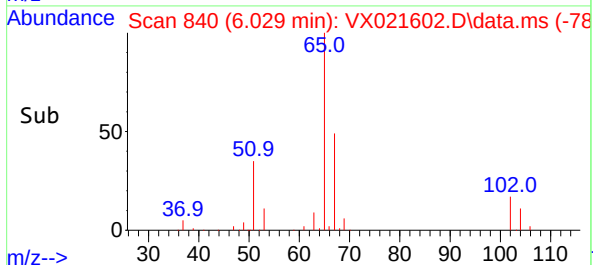
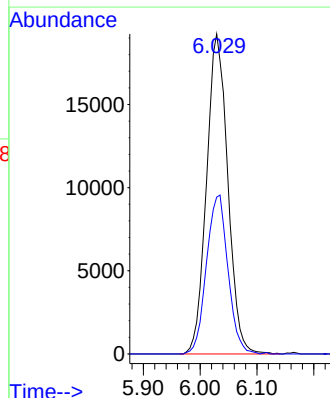
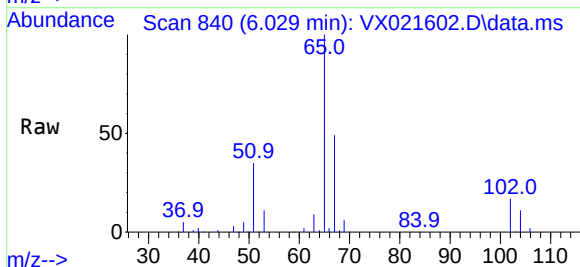
Acq: 30 Mar 2021 01:50

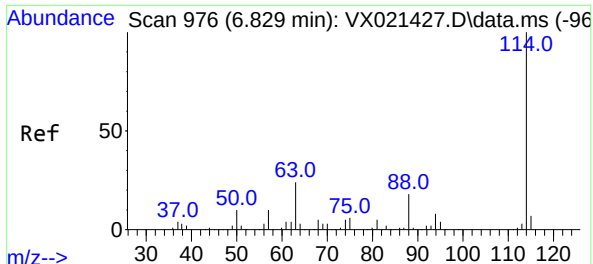
Tgt Ion: 65 Resp: 49936

Ion Ratio Lower Upper

65 100

67 50.2 0.0 105.4

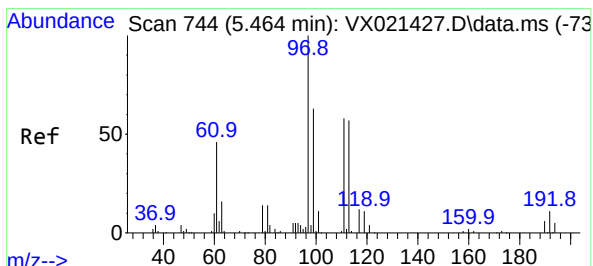
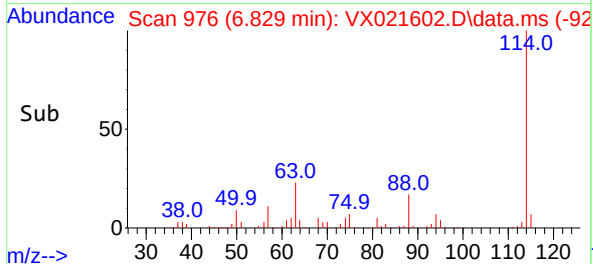
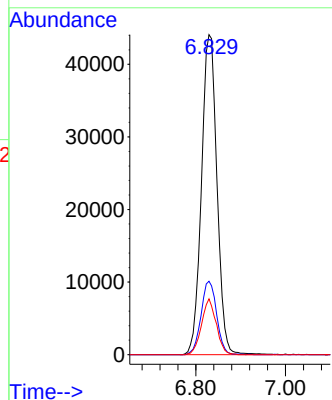
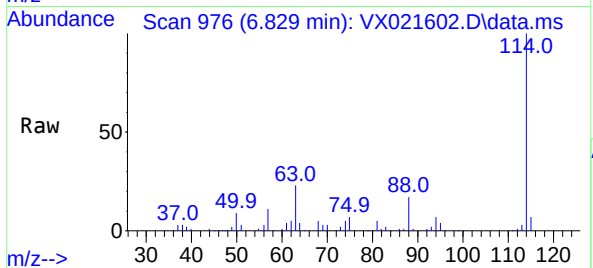




#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 6.829 min Scan# 976  
Delta R.T. 0.000 min  
Lab File: VX021602.D  
Acq: 30 Mar 2021 01:50

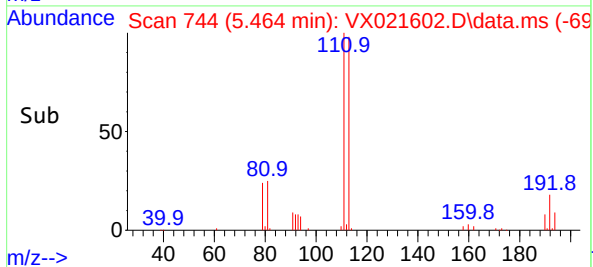
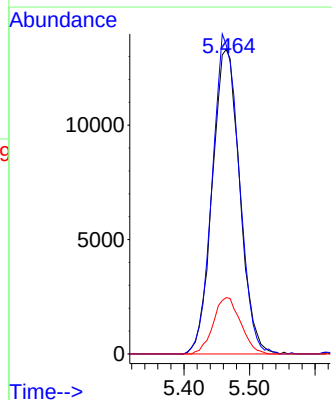
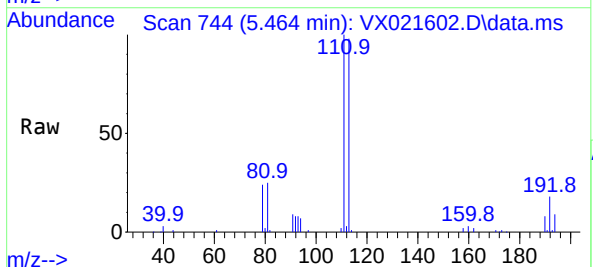
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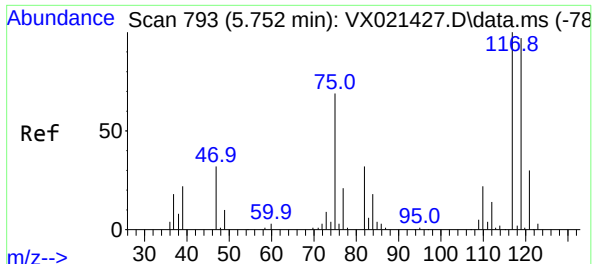
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Ion Ratio Lower Upper  
114 100  
63 23.0 0.0 40.8  
88 17.4 0.0 32.8



#35  
Dibromofluoromethane  
Concen: 51.39 ug/l  
RT: 5.464 min Scan# 744  
Delta R.T. 0.000 min  
Lab File: VX021602.D  
Acq: 30 Mar 2021 01:50

Tgt Ion:113 Resp: 38599  
Ion Ratio Lower Upper  
113 100  
111 102.4 81.9 122.9  
192 18.4 16.7 25.1

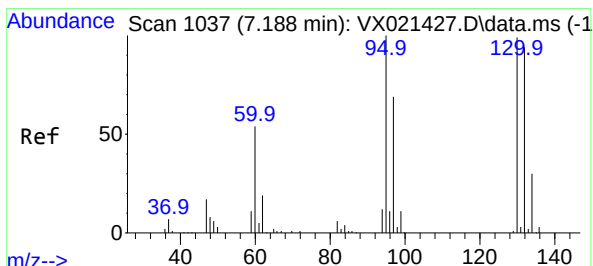
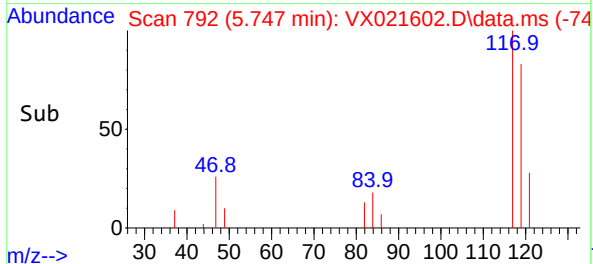
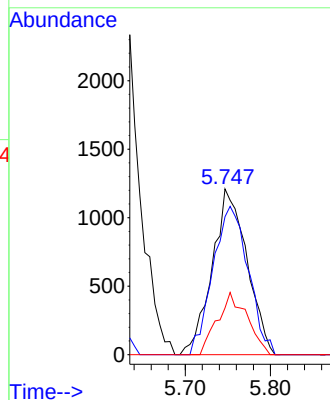
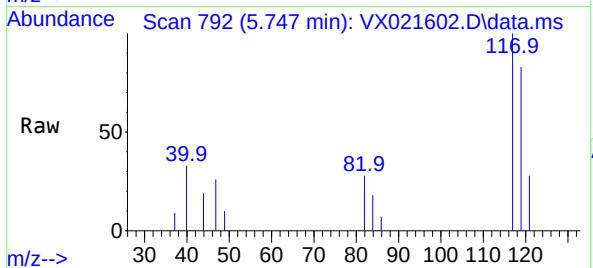




#38  
Carbon Tetrachloride  
Concen: 3.09 ug/l  
RT: 5.747 min Scan# 792  
Delta R.T. -0.005 min  
Lab File: VX021602.D  
Acq: 30 Mar 2021 01:50

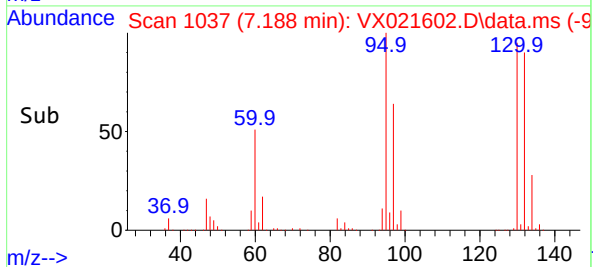
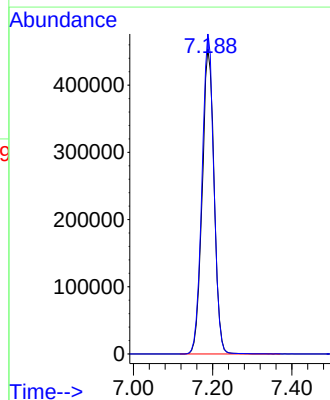
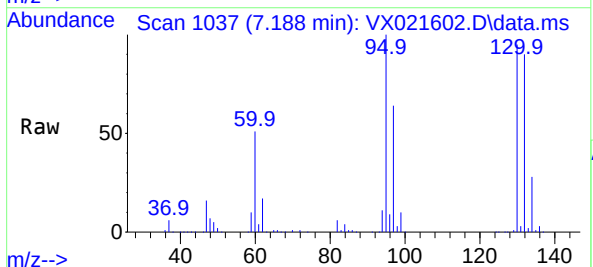
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RE137-20210324

Tgt Ion:117 Resp: 3436  
Ion Ratio Lower Upper  
117 100  
119 83.2 76.2 114.2  
121 28.2 24.8 37.2

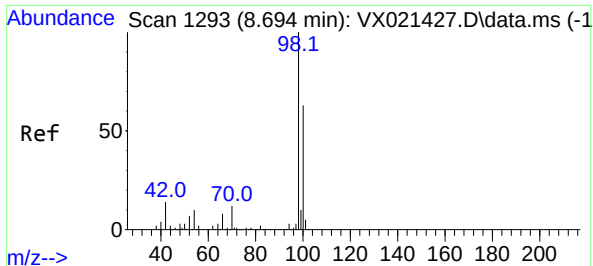


#44  
Trichloroethene  
Concen: 1215.37 ug/l  
RT: 7.188 min Scan# 1037  
Delta R.T. 0.000 min  
Lab File: VX021602.D  
Acq: 30 Mar 2021 01:50

Tgt Ion:130 Resp: 943586  
Ion Ratio Lower Upper  
130 100  
95 105.0 0.0 198.0



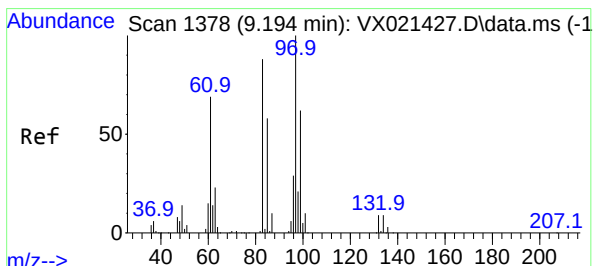
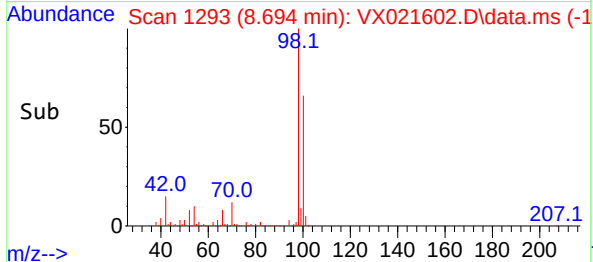
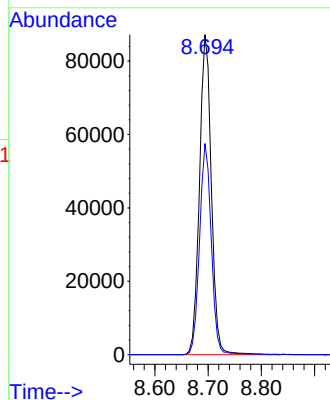
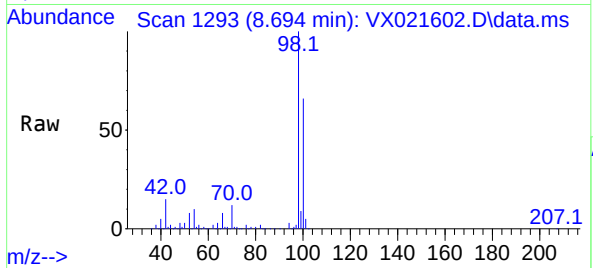




#50  
Toluene-d8  
Concen: 50.43 ug/l  
RT: 8.694 min Scan# 1293  
Delta R.T. 0.000 min  
Lab File: VX021602.D  
Acq: 30 Mar 2021 01:50

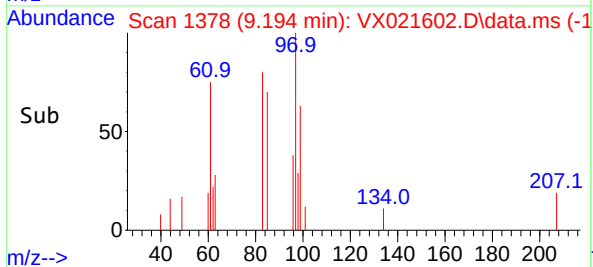
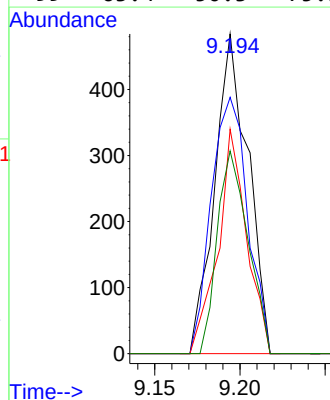
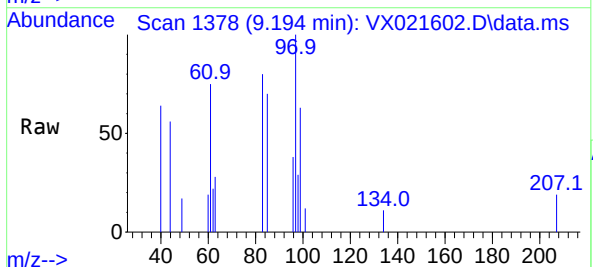
Instrument :  
MSVOA\_X  
ClientSampleId :  
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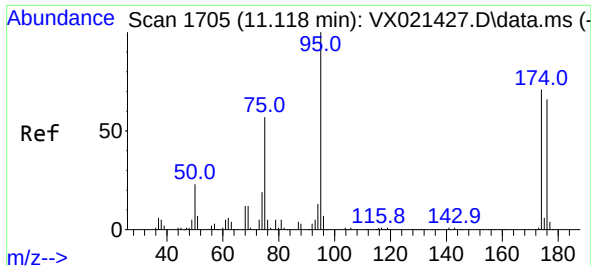
Tgt Ion: 98 Resp: 134977  
Ion Ratio Lower Upper  
98 100  
100 65.3 51.9 77.9



#55  
1,1,2-Trichloroethane  
Concen: 0.86 ug/l  
RT: 9.194 min Scan# 1378  
Delta R.T. 0.000 min  
Lab File: VX021602.D  
Acq: 30 Mar 2021 01:50

Tgt Ion: 97 Resp: 659  
Ion Ratio Lower Upper  
97 100  
83 80.2 69.3 103.9  
85 70.2 44.3 66.5#  
99 63.4 50.3 75.5

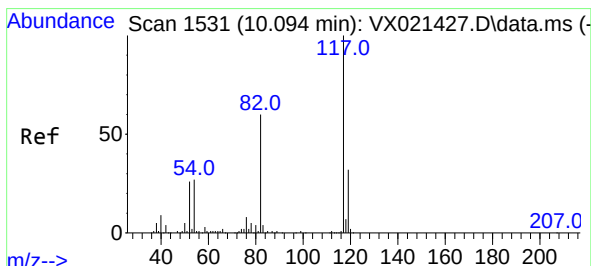
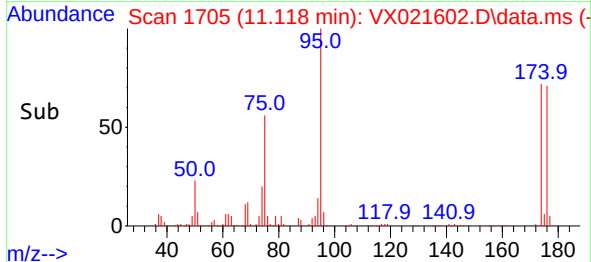
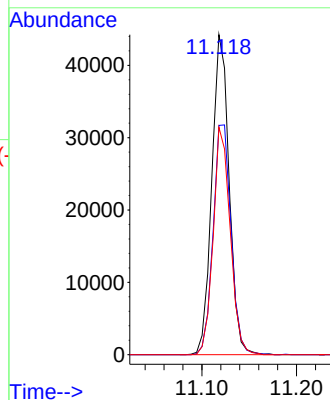
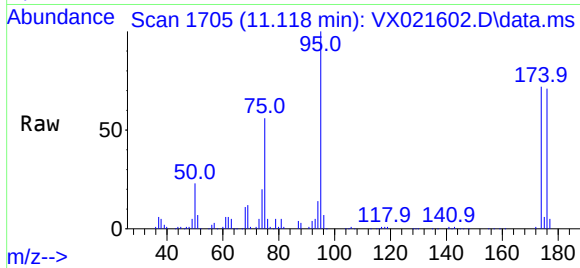




#62  
4-Bromofluorobenzene  
Concen: 53.93 ug/l  
RT: 11.118 min Scan# 1705  
Delta R.T. -0.000 min  
Lab File: VX021602.D  
Acq: 30 Mar 2021 01:50

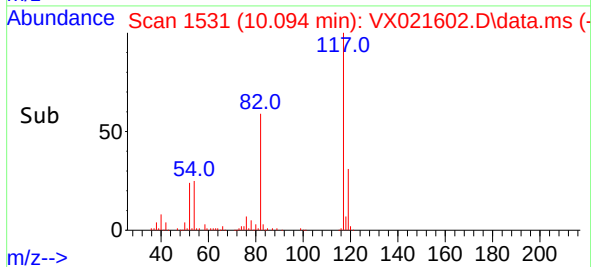
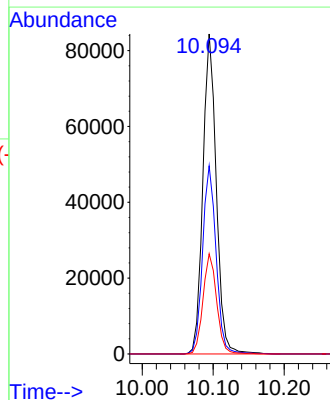
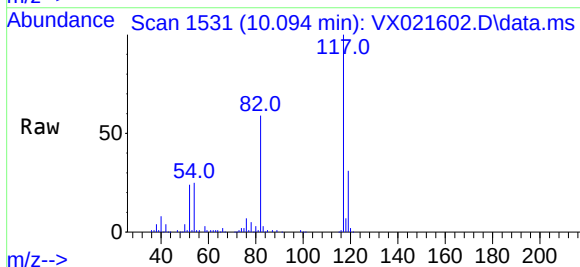
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE137-20210324

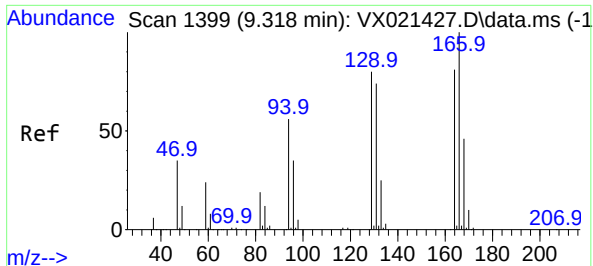
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 95    | Resp: | 56124 |
| Ion Ratio | Lower | Upper |       |
| 95        | 100   |       |       |
| 174       | 74.6  | 0.0   | 154.6 |
| 176       | 69.9  | 0.0   | 155.8 |



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.094 min Scan# 1531  
Delta R.T. 0.000 min  
Lab File: VX021602.D  
Acq: 30 Mar 2021 01:50

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 111034 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 58.8  | 47.4  | 71.2   |
| 119       | 31.3  | 26.6  | 39.8   |



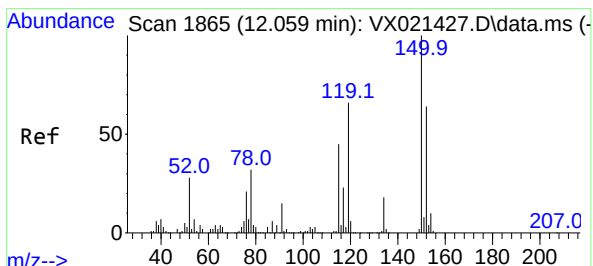
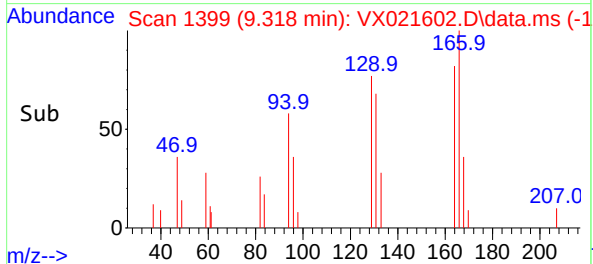
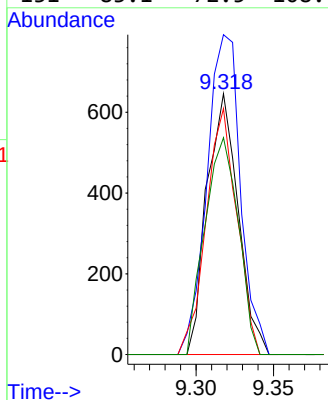
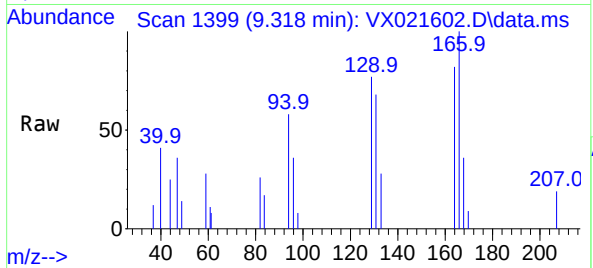


#64  
Tetrachloroethene  
Concen: 1.22 ug/l  
RT: 9.318 min Scan# 1399  
Delta R.T. -0.000 min  
Lab File: VX021602.D  
Acq: 30 Mar 2021 01:50

Instrument :  
MSVOA\_X  
ClientSampleId :  
RE137-20210324

Tgt Ion:164 Resp: 908

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 166 | 122.6 | 103.4 | 155.2 |
| 129 | 94.3  | 70.8  | 106.2 |
| 131 | 83.1  | 72.5  | 108.7 |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.059 min Scan# 1865  
Delta R.T. 0.000 min  
Lab File: VX021602.D  
Acq: 30 Mar 2021 01:50

Tgt Ion:152 Resp: 50197

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 62.1  | 41.1  | 123.3 |
| 150 | 152.0 | 0.0   | 349.0 |

