

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD092821\  
 Data File : VD070496.D  
 Acq On : 28 Sep 2021 12:13  
 Operator : VA/SY  
 Sample : M3944-01RE  
 Misc : 3.67G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 BOILER-PIT-3-5RE

Quant Time: Sep 28 23:41:14 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D090821S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Sep 09 03:07:09 2021  
 Response via : Initial Calibration

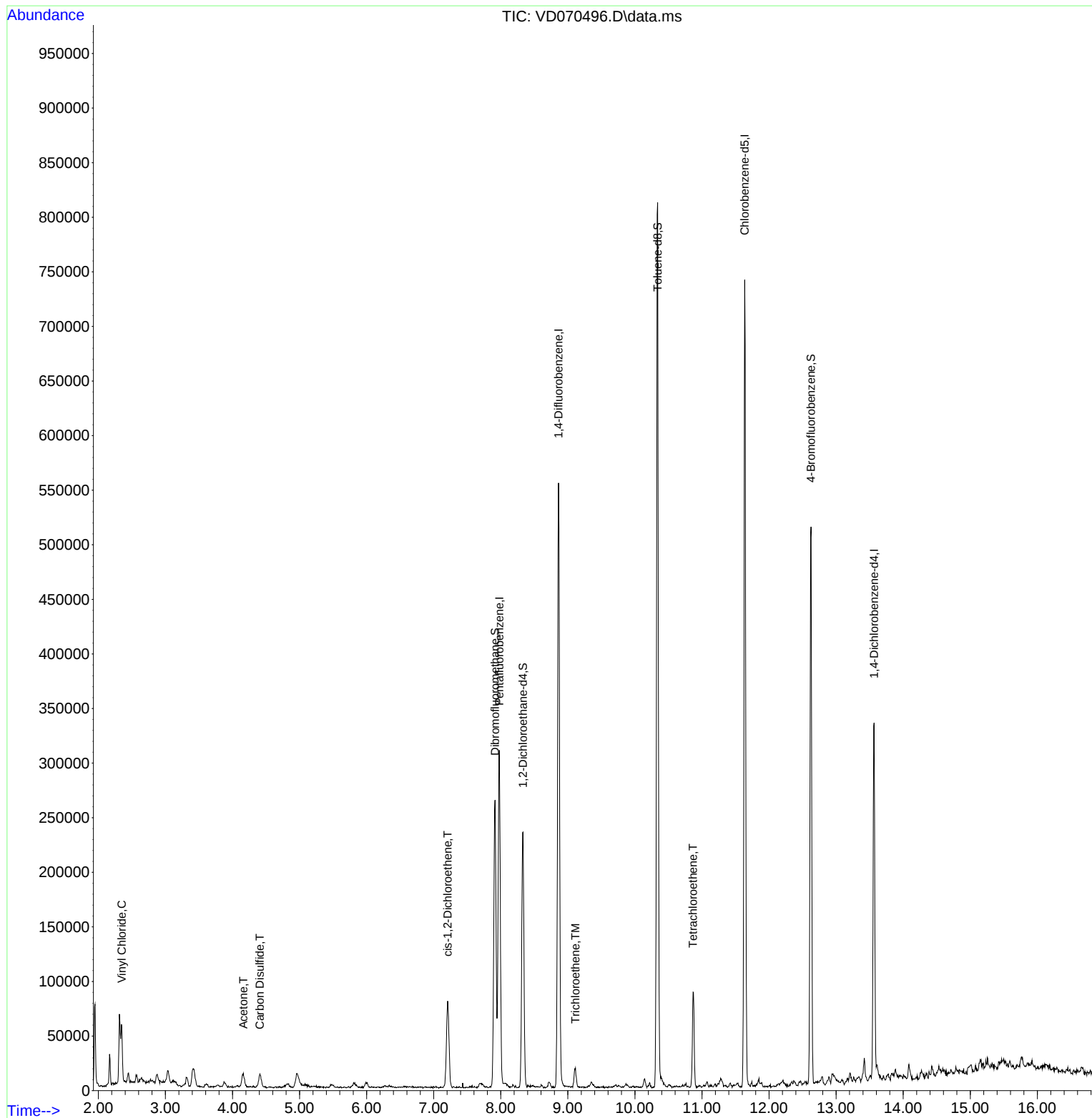
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.979  | 168   | 218381   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.861  | 114   | 483651   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.637 | 117   | 440828   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.567 | 152   | 91137    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.332  | 65    | 190103   | 67.796   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 135.600% |
| 35) Dibromofluoromethane    | 7.914  | 113   | 195360   | 56.746   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 113.500% |
| 50) Toluene-d8              | 10.337 | 98    | 567631   | 45.412   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =      | 90.820%  |
| 62) 4-Bromofluorobenzene    | 12.626 | 95    | 153668   | 35.177   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =      | 70.360%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 4) Vinyl Chloride           | 2.350  | 62    | 19525    | 5.683    | ug/l # | 88       |
| 16) Acetone                 | 4.161  | 43    | 20777    | 41.502   | ug/l # | 84       |
| 17) Carbon Disulfide        | 4.408  | 76    | 26557    | 2.831    | ug/l # | 89       |
| 27) cis-1,2-Dichloroethene  | 7.208  | 96    | 49749    | 15.302   | ug/l   | 88       |
| 44) Trichloroethene         | 9.114  | 130   | 6094     | 1.683    | ug/l   | 67       |
| 64) Tetrachloroethene       | 10.867 | 164   | 21277    | 7.927    | ug/l   | 97       |
| -----                       |        |       |          |          |        |          |

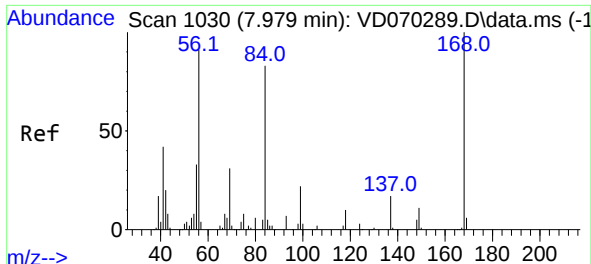
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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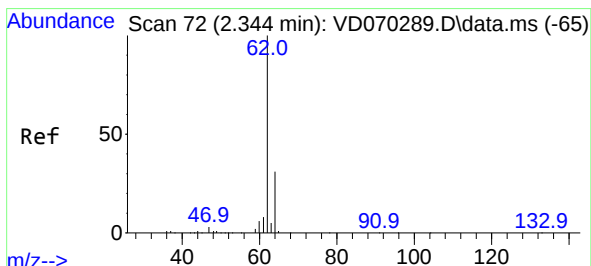
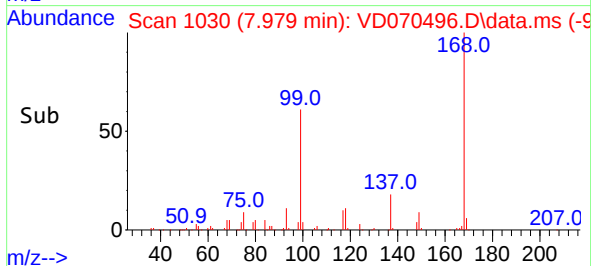
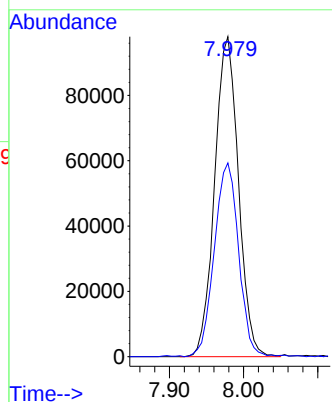
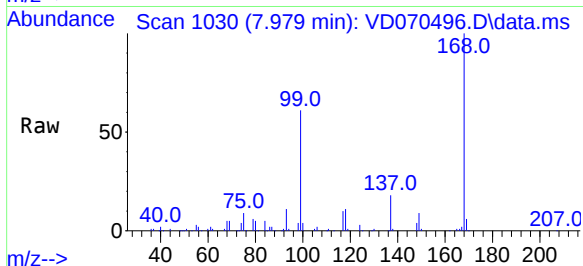




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.000 min  
Lab File: VD070496.D  
Acq: 28 Sep 2021 12:13

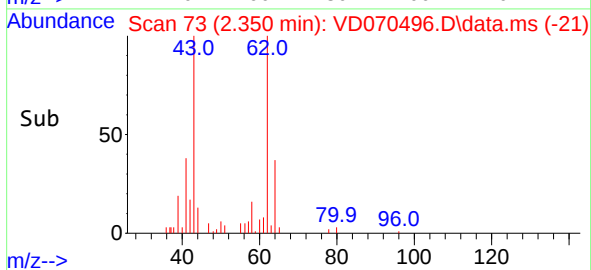
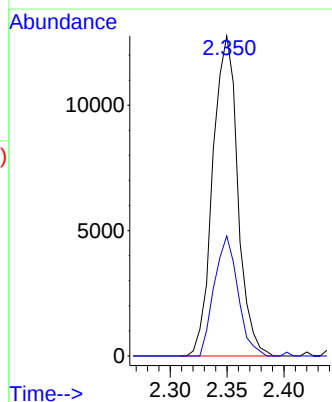
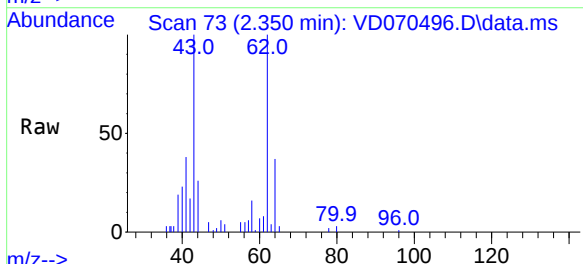
Instrument :  
MSVOA\_D  
ClientSampleId :  
BOILER-PIT-3-5RE

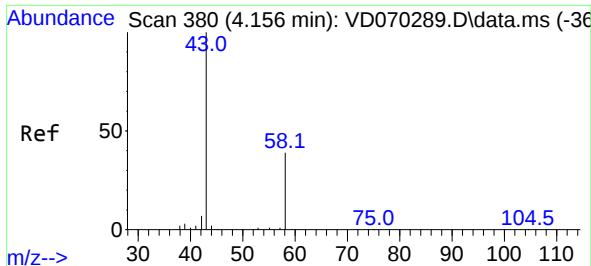
Tgt Ion:168 Resp: 218381  
Ion Ratio Lower Upper  
168 100  
99 60.3 50.8 76.2



#4  
Vinyl Chloride  
Concen: 5.683 ug/l  
RT: 2.350 min Scan# 73  
Delta R.T. 0.006 min  
Lab File: VD070496.D  
Acq: 28 Sep 2021 12:13

Tgt Ion: 62 Resp: 19525  
Ion Ratio Lower Upper  
62 100  
64 37.5 24.6 36.8#

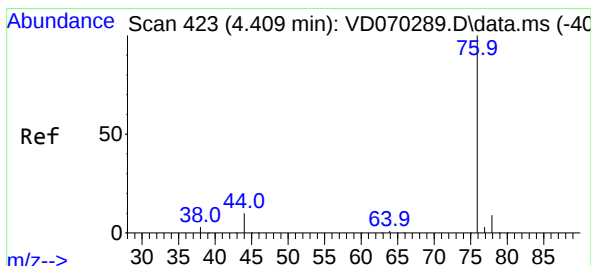
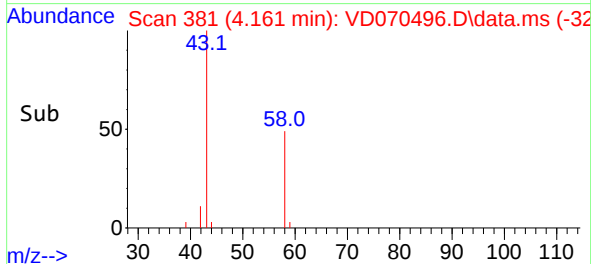
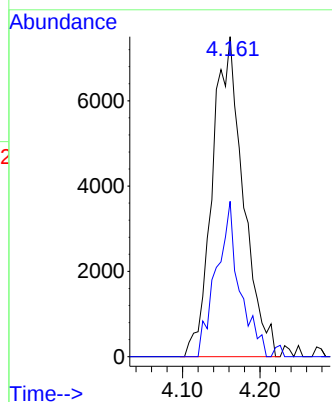
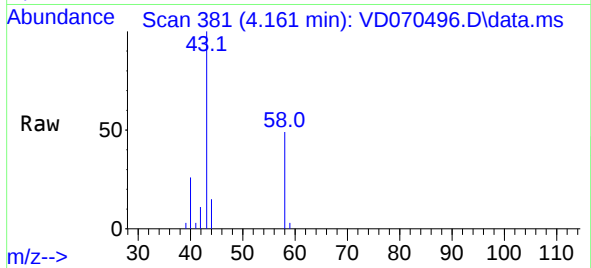




#16  
Acetone  
Concen: 41.502 ug/l  
RT: 4.161 min Scan# 381  
Delta R.T. 0.005 min  
Lab File: VD070496.D  
Acq: 28 Sep 2021 12:13

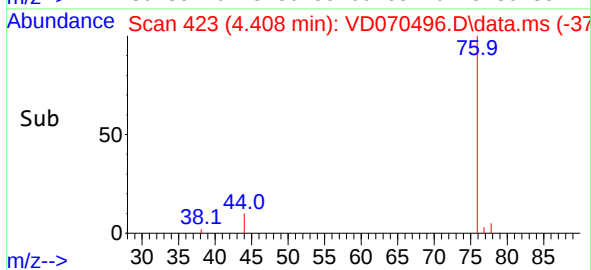
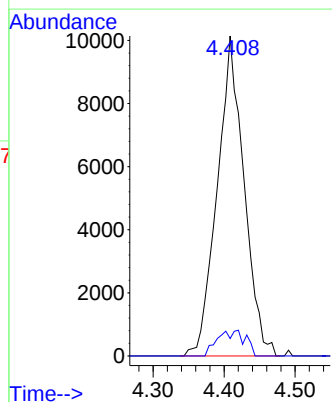
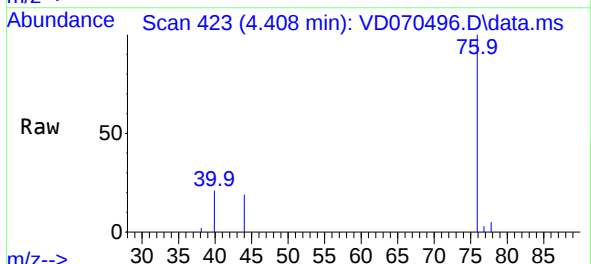
Instrument :  
MSVOA\_D  
ClientSampleId :  
BOILER-PIT-3-5RE

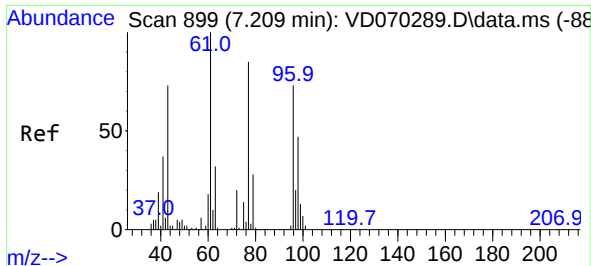
Tgt Ion: 43 Resp: 20777  
Ion Ratio Lower Upper  
43 100  
58 48.5 30.9 46.3#



#17  
Carbon Disulfide  
Concen: 2.831 ug/l  
RT: 4.408 min Scan# 423  
Delta R.T. -0.000 min  
Lab File: VD070496.D  
Acq: 28 Sep 2021 12:13

Tgt Ion: 76 Resp: 26557  
Ion Ratio Lower Upper  
76 100  
78 5.5 7.5 11.3#





#27

cis-1,2-Dichloroethene

Concen: 15.302 ug/l

RT: 7.208 min Scan# 899

Delta R.T. -0.000 min

Lab File: VD070496.D

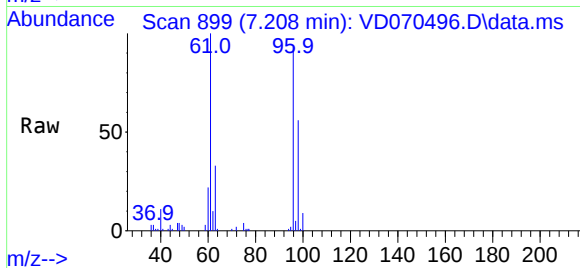
Acq: 28 Sep 2021 12:13

Instrument :

MSVOA\_D

ClientSampleId :

BOILER-PIT-3-5RE



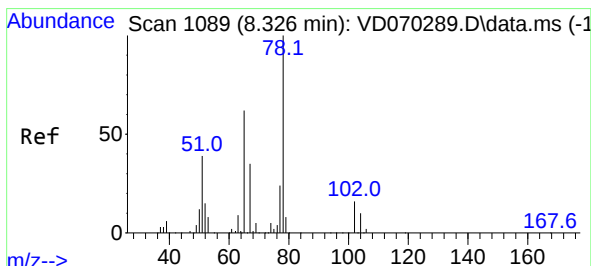
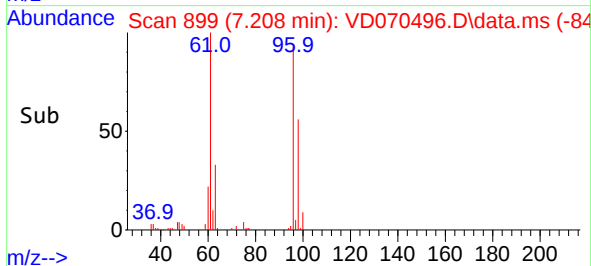
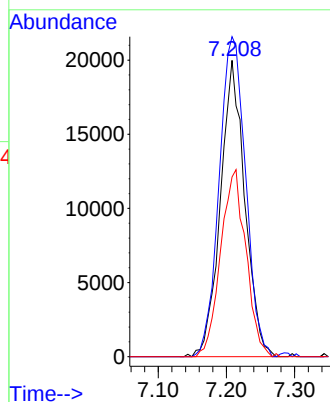
Tgt Ion: 96 Resp: 49749

Ion Ratio Lower Upper

96 100

61 117.1 0.0 277.4

98 65.6 0.0 130.0



#33

1,2-Dichloroethane-d4

Concen: 67.796 ug/l

RT: 8.332 min Scan# 1090

Delta R.T. 0.005 min

Lab File: VD070496.D

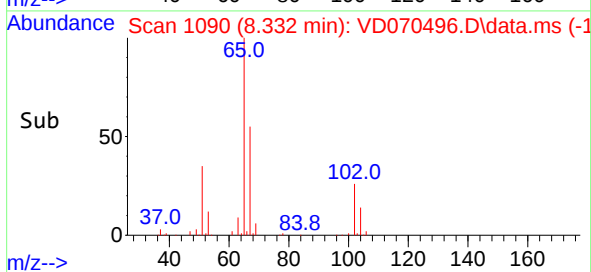
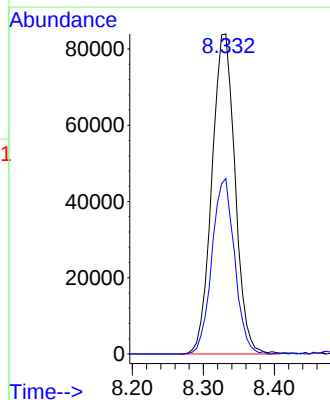
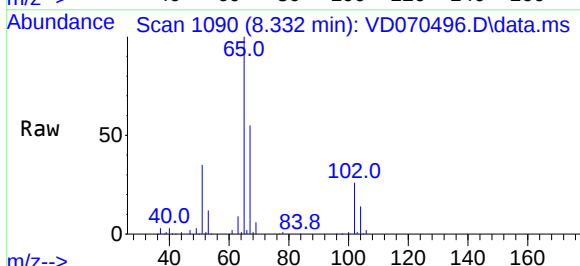
Acq: 28 Sep 2021 12:13

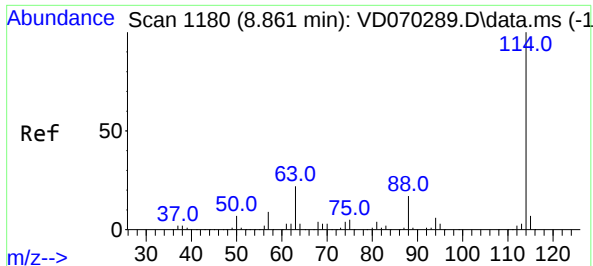
Tgt Ion: 65 Resp: 190103

Ion Ratio Lower Upper

65 100

67 53.6 0.0 111.4



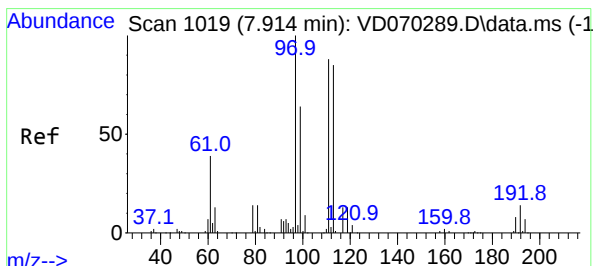
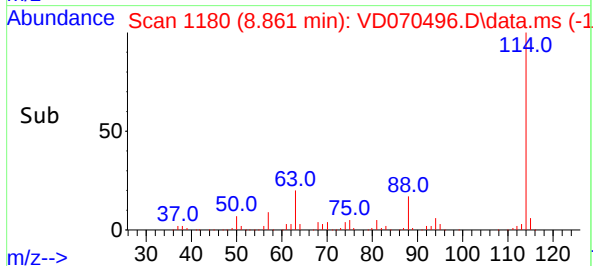
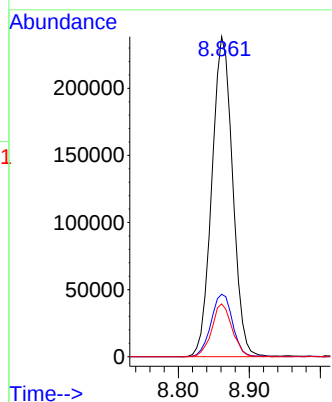
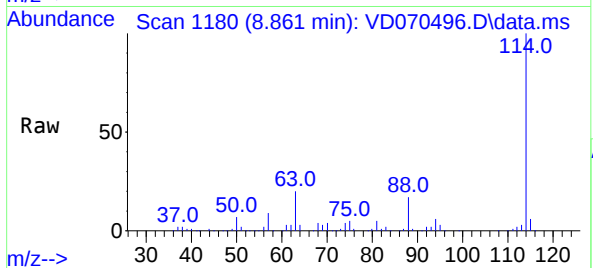


#34

1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.861 min Scan# 1180  
Delta R.T. -0.000 min  
Lab File: VD070496.D  
Acq: 28 Sep 2021 12:13

Instrument :  
MSVOA\_D  
ClientSampleId :  
BOILER-PIT-3-5RE

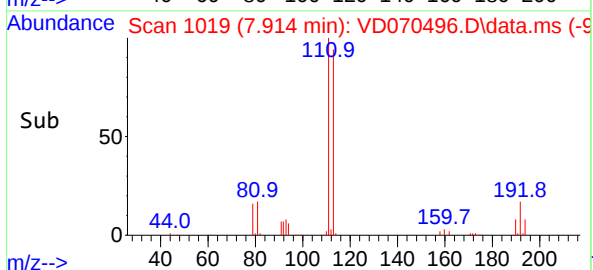
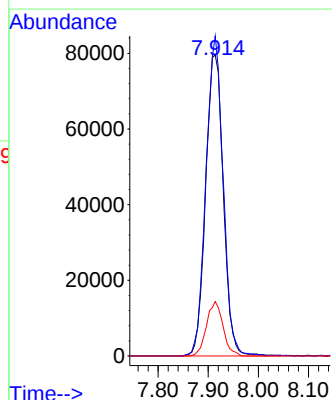
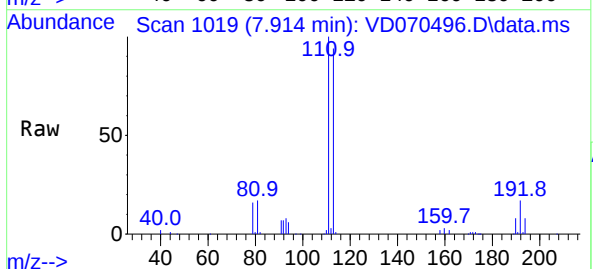
Tgt Ion:114 Resp: 483651  
Ion Ratio Lower Upper  
114 100  
63 19.5 0.0 43.4  
88 16.5 0.0 33.4

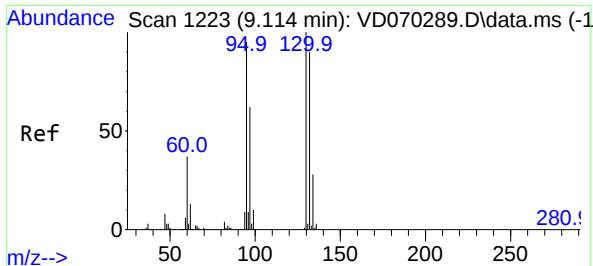


#35

Dibromofluoromethane  
Concen: 56.746 ug/l  
RT: 7.914 min Scan# 1019  
Delta R.T. -0.000 min  
Lab File: VD070496.D  
Acq: 28 Sep 2021 12:13

Tgt Ion:113 Resp: 195360  
Ion Ratio Lower Upper  
113 100  
111 103.2 81.4 122.2  
192 16.9 13.0 19.6

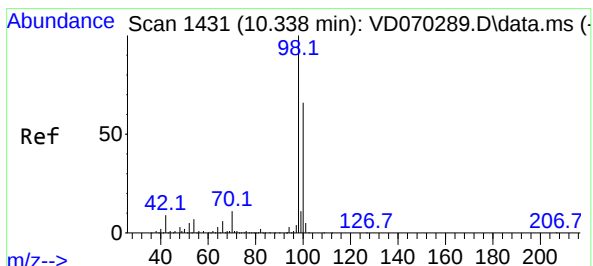
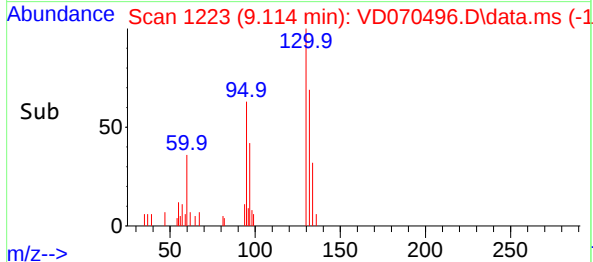
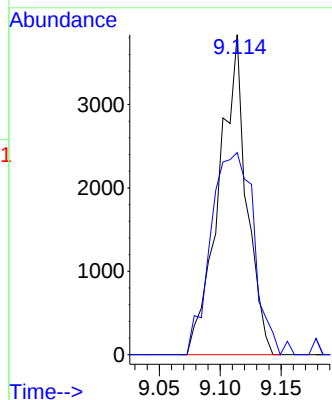
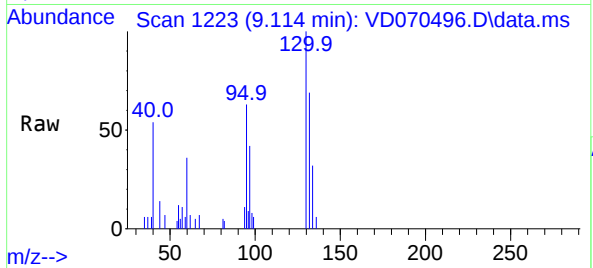




#44  
Trichloroethene  
Concen: 1.683 ug/l  
RT: 9.114 min Scan# 1223  
Delta R.T. -0.000 min  
Lab File: VD070496.D  
Acq: 28 Sep 2021 12:13

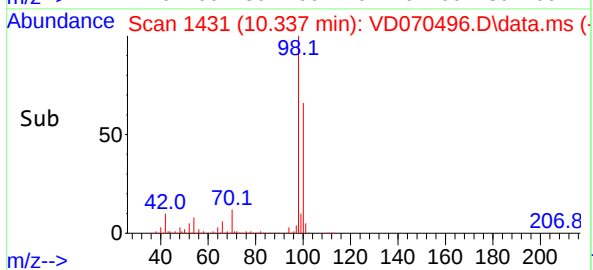
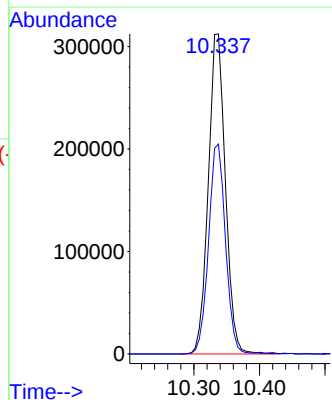
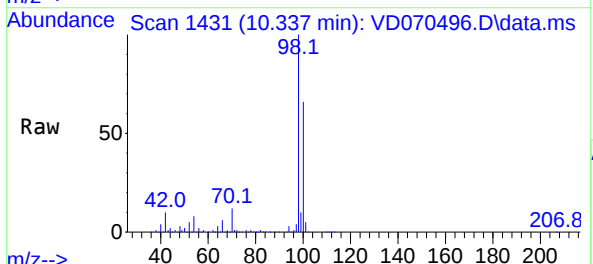
Instrument :  
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ClientSampleId :  
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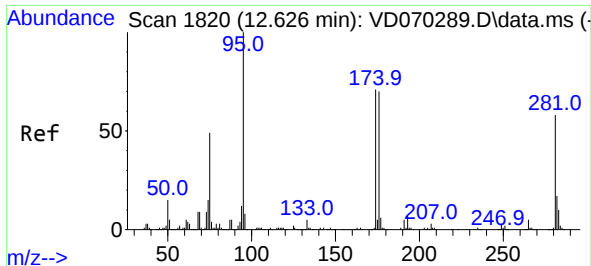
Tgt Ion:130 Resp: 6094  
Ion Ratio Lower Upper  
130 100  
95 63.2 0.0 190.0



#50  
Toluene-d8  
Concen: 45.412 ug/l  
RT: 10.337 min Scan# 1431  
Delta R.T. -0.000 min  
Lab File: VD070496.D  
Acq: 28 Sep 2021 12:13

Tgt Ion: 98 Resp: 567631  
Ion Ratio Lower Upper  
98 100  
100 64.9 52.0 78.0

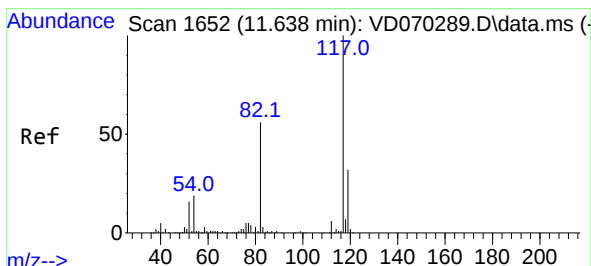
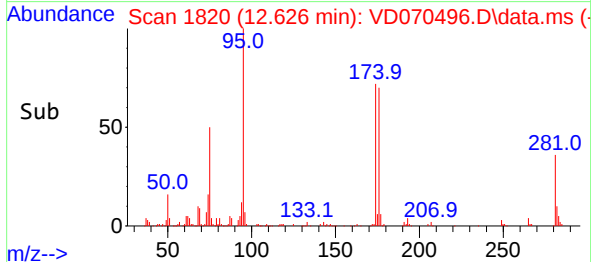
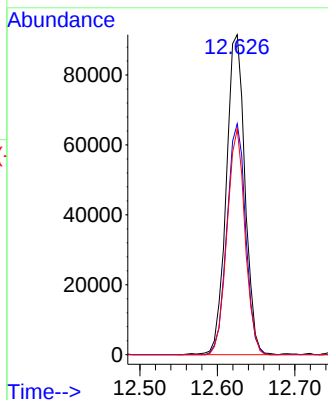
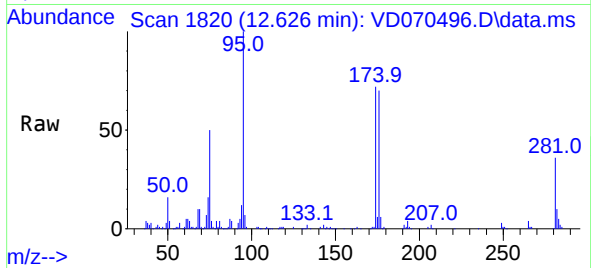




#62  
4-Bromofluorobenzene  
Concen: 35.177 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. -0.000 min  
Lab File: VD070496.D  
Acq: 28 Sep 2021 12:13

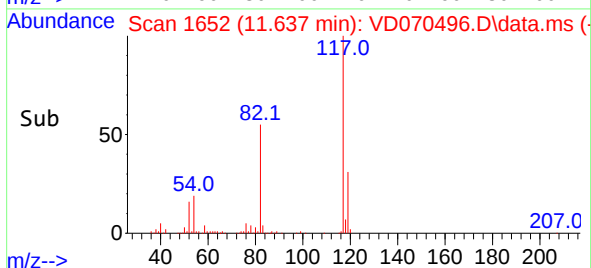
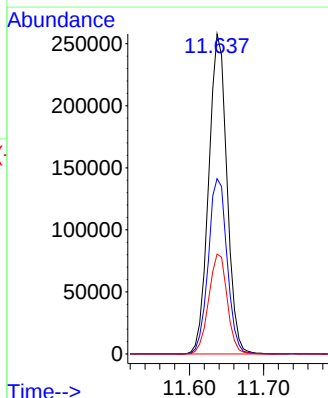
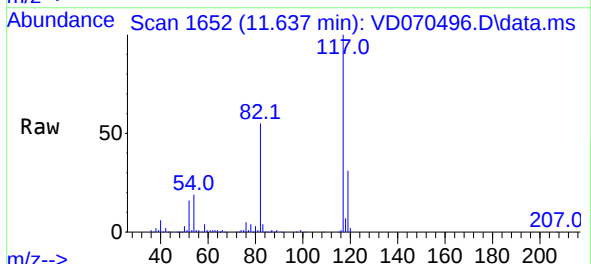
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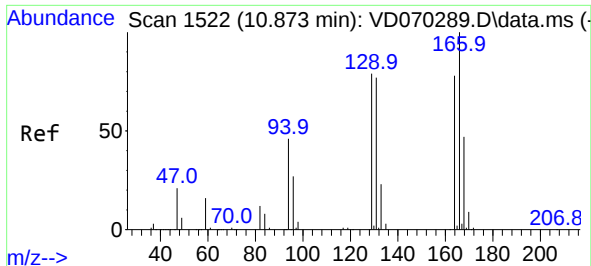
Tgt Ion: 95 Resp: 153668  
Ion Ratio Lower Upper  
95 100  
174 72.0 0.0 140.6  
176 67.7 0.0 137.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.637 min Scan# 1652  
Delta R.T. -0.000 min  
Lab File: VD070496.D  
Acq: 28 Sep 2021 12:13

Tgt Ion: 117 Resp: 440828  
Ion Ratio Lower Upper  
117 100  
82 54.8 45.0 67.4  
119 31.2 25.2 37.8



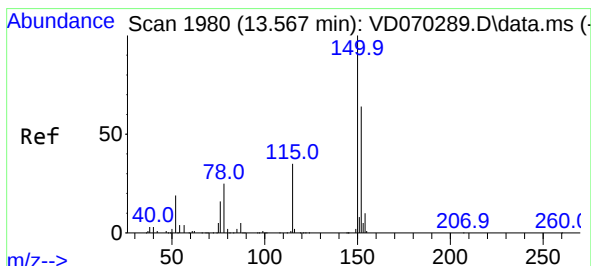
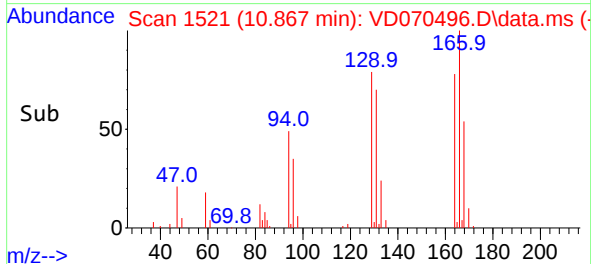
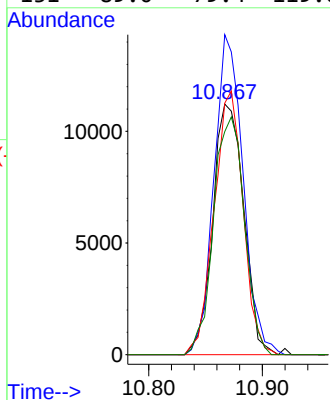
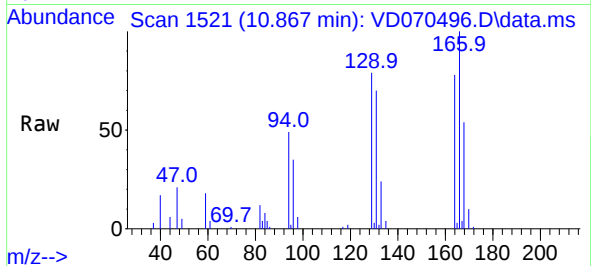


#64  
Tetrachloroethene  
Concen: 7.927 ug/l  
RT: 10.867 min Scan# 1521  
Delta R.T. -0.006 min  
Lab File: VD070496.D  
Acq: 28 Sep 2021 12:13

Instrument :  
MSVOA\_D  
ClientSampleId :  
BOILER-PIT-3-5RE

Tgt Ion:164 Resp: 21277

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 166 | 127.7 | 102.4 | 153.6 |
| 129 | 100.4 | 80.9  | 121.3 |
| 131 | 89.0  | 79.4  | 119.0 |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.567 min Scan# 1980  
Delta R.T. -0.000 min  
Lab File: VD070496.D  
Acq: 28 Sep 2021 12:13

Tgt Ion:152 Resp: 91137

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 61.3  | 32.1  | 96.3  |
| 150 | 157.1 | 0.0   | 350.6 |

