

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD081921\  
 Data File : VD070180.D  
 Acq On : 19 Aug 2021 22:29  
 Operator : VA/SY  
 Sample : VD0819SBL02  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Aug 20 05:49:19 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D081321S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Aug 14 02:33:51 2021  
 Response via : Initial Calibration

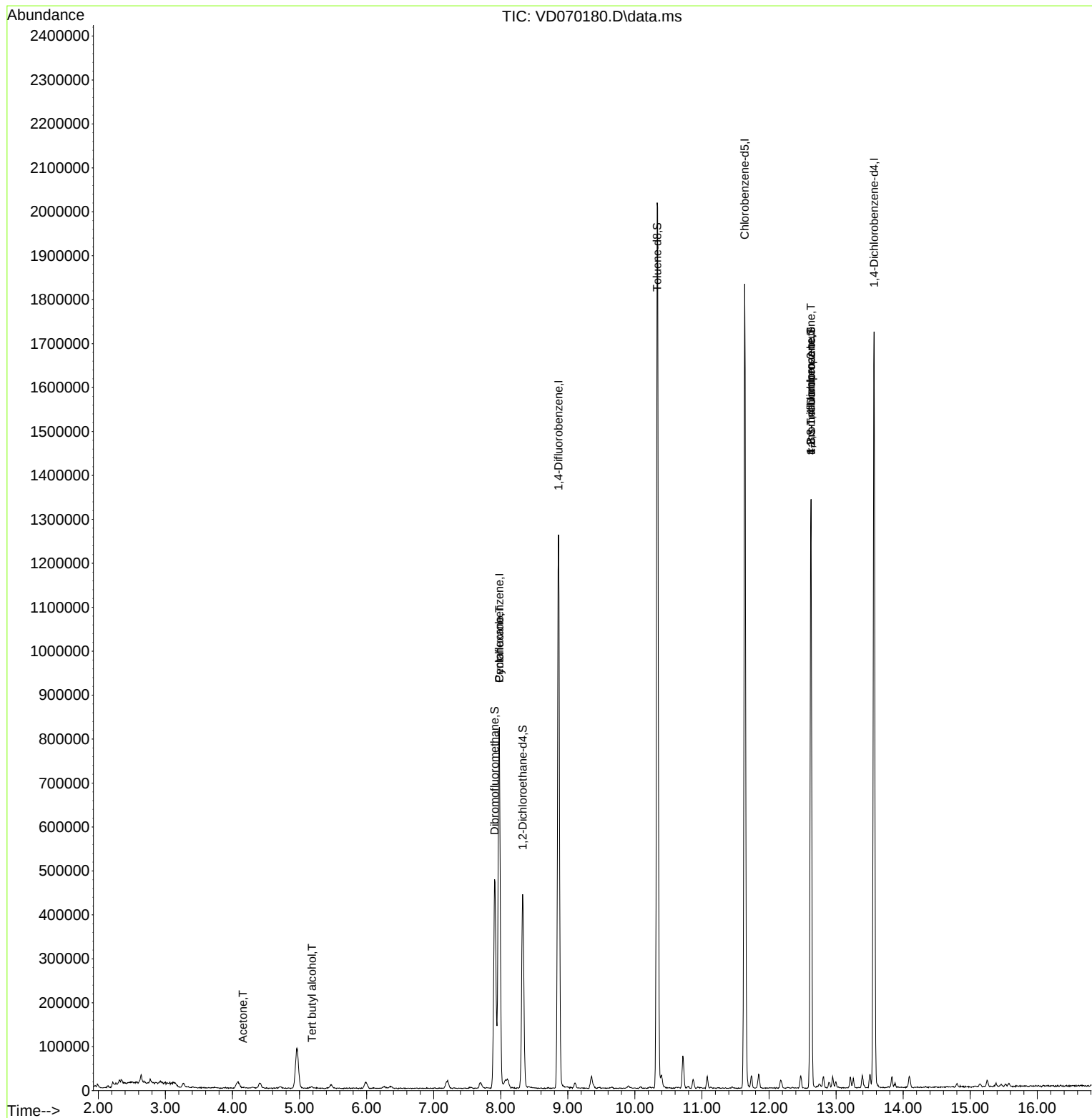
| Compound                      | R.T. QIon |       | Response | Conc         | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|--------------|------------|----------|
| -----                         |           |       |          |              |            |          |
| Internal Standards            |           |       |          |              |            |          |
| 1) Pentafluorobenzene         | 7.979     | 168   | 562154   | 50.000       | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.861     | 114   | 1087248  | 50.000       | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.638    | 117   | 1053716  | 50.000       | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.567    | 152   | 457942   | 50.000       | ug/l       | 0.00     |
|                               |           |       |          |              |            |          |
| System Monitoring Compounds   |           |       |          |              |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.326     | 65    | 342761   | 51.841       | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery     | = 103.680% |          |
| 35) Dibromofluoromethane      | 7.909     | 113   | 347831   | 49.518       | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery     | = 99.040%  |          |
| 50) Toluene-d8                | 10.332    | 98    | 1403141  | 51.358       | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 49 - 140 | Recovery     | = 102.720% |          |
| 62) 4-Bromofluorobenzene      | 12.626    | 95    | 453140   | 50.356       | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 25 - 144 | Recovery     | = 100.720% |          |
|                               |           |       |          |              |            |          |
| Target Compounds              |           |       |          |              |            | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.985     | 85    | 5692     | Below Cal    |            | 95       |
| 3) Chloromethane              | 2.215     | 50    | 6621     | Below Cal    |            | 97       |
| 5) Bromomethane               | 2.774     | 94    | 6285     | Below Cal    |            | 96       |
| 11) Tert butyl alcohol        | 5.185     | 59    | 884      | 2.419 ug/l   | #          | 71       |
| 16) Acetone                   | 4.156     | 43    | 3672     | 3.015 ug/l   | #          | 80       |
| 31) Cyclohexane               | 7.979     | 56    | 22164    | 1.694 ug/l   | #          | 38       |
| 76) 1,2,3-Trichloropropane    | 12.626    | 75    | 218210   | 46.986 ug/l  | #          | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.626    | 75    | 218210   | 121.958 ug/l | #          | 18       |
| -----                         |           |       |          |              |            |          |

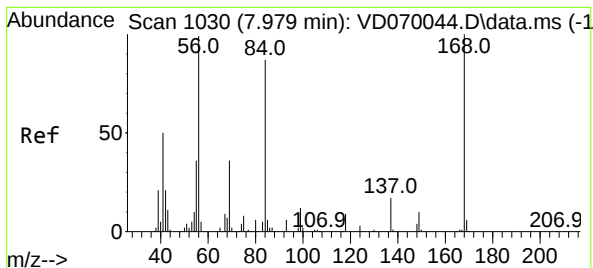
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :

Quant Time: Aug 20 05:49:19 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D081321S.M  
Quant Title : SW846 8260  
QLast Update : Sat Aug 14 02:33:51 2021  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. 0.000 min

Lab File: VD070180.D

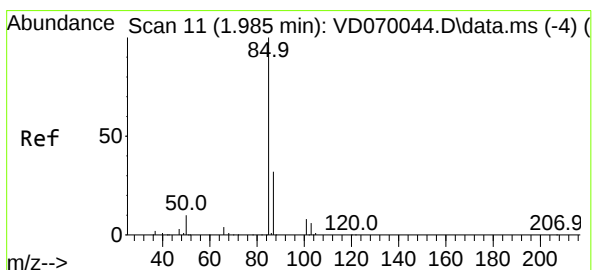
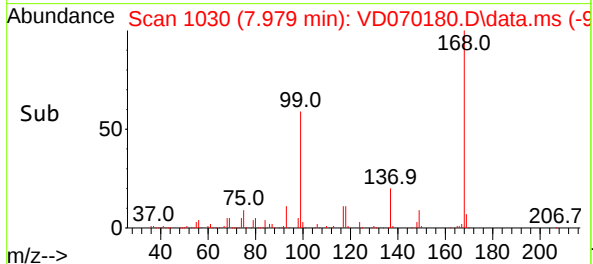
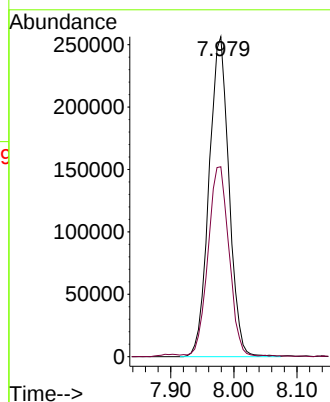
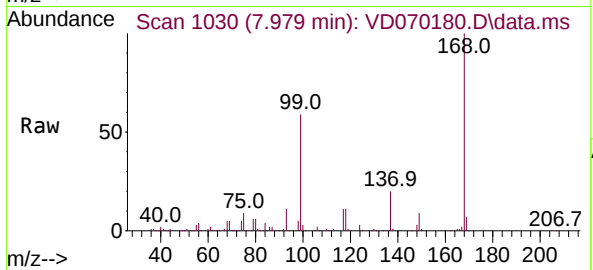
Acq: 19 Aug 2021 22:29

Tgt Ion:168 Resp: 562154

Ion Ratio Lower Upper

168 100

99 59.1 50.3 75.5



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.985 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD070180.D

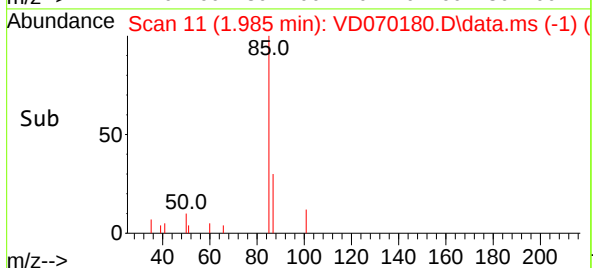
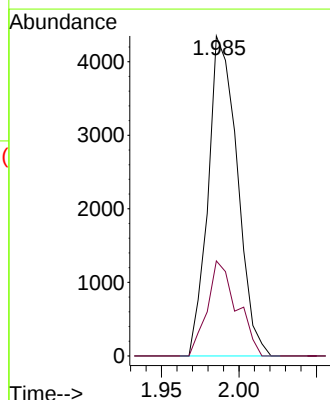
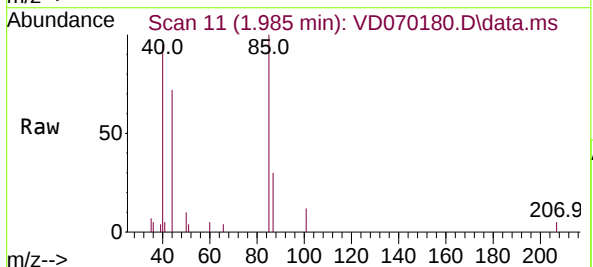
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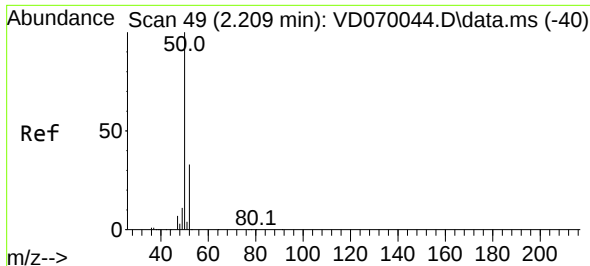
Tgt Ion: 85 Resp: 5692

Ion Ratio Lower Upper

85 100

87 29.7 16.2 48.6

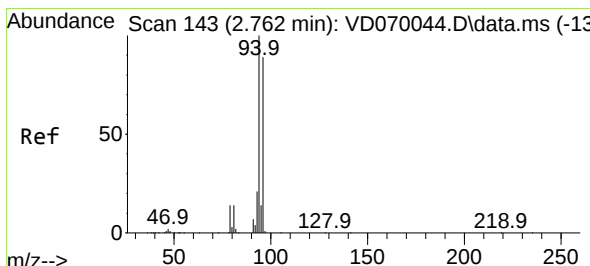
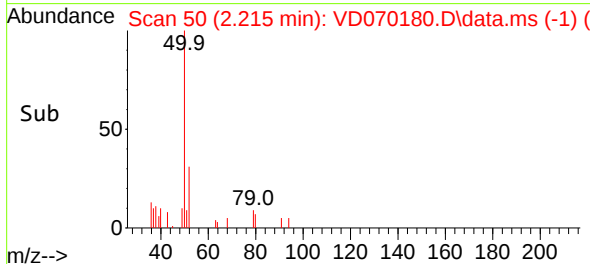
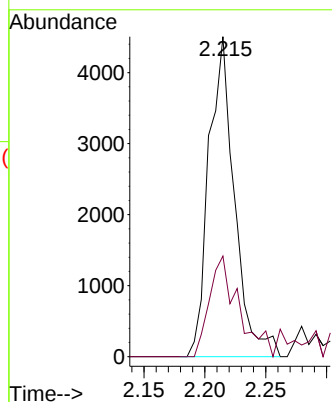
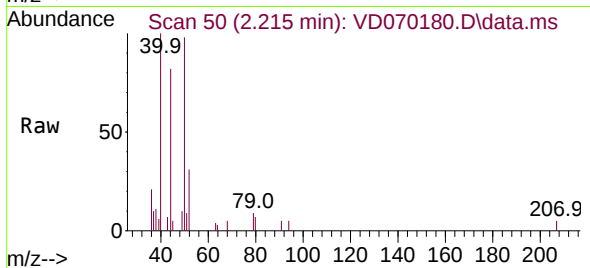




#3  
Chloromethane  
Concen: Below Cal  
RT: 2.215 min Scan# 50  
Delta R.T. 0.006 min  
Lab File: VD070180.D  
Acq: 19 Aug 2021 22:29

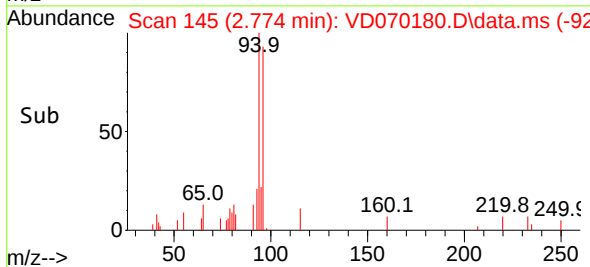
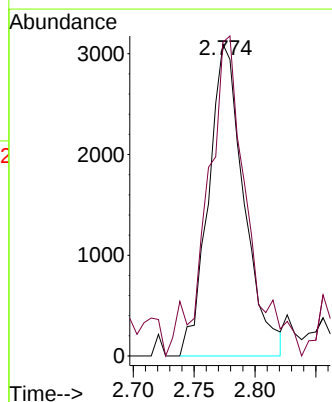
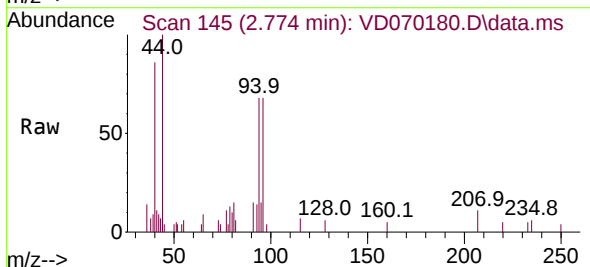
Instrument :  
MSVOA\_D  
ClientSampled :

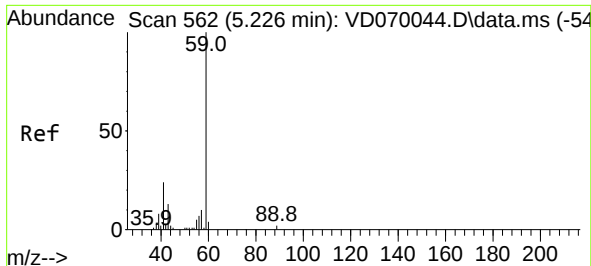
Tgt Ion: 50 Resp: 6621  
Ion Ratio Lower Upper  
50 100  
52 31.4 26.3 39.5



#5  
Bromomethane  
Concen: Below Cal  
RT: 2.774 min Scan# 145  
Delta R.T. 0.012 min  
Lab File: VD070180.D  
Acq: 19 Aug 2021 22:29

Tgt Ion: 94 Resp: 6285  
Ion Ratio Lower Upper  
94 100  
96 91.9 70.9 106.3

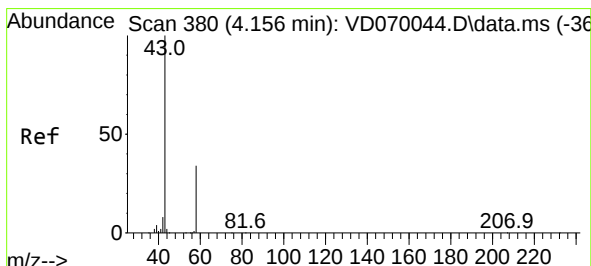
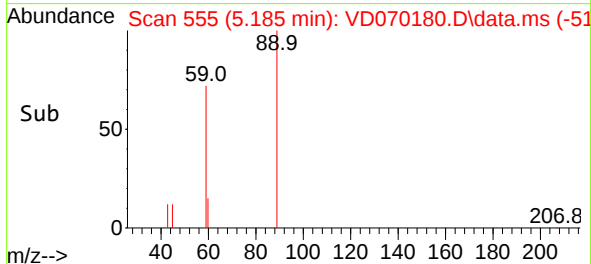
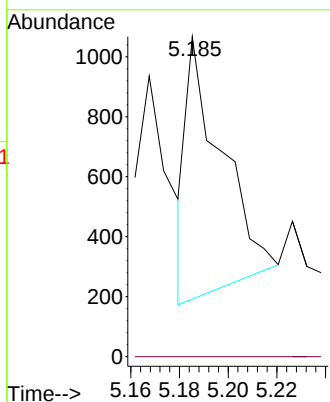
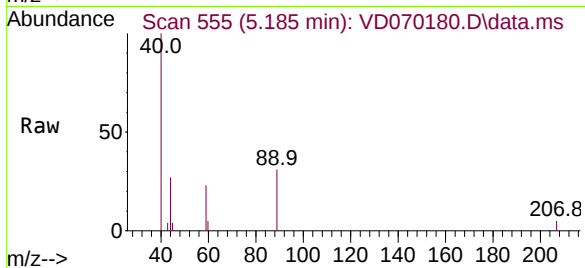




#11  
Tert butyl alcohol  
Concen: 2.419 ug/l  
RT: 5.185 min Scan# 555  
Delta R.T. -0.041 min  
Lab File: VD070180.D  
Acq: 19 Aug 2021 22:29

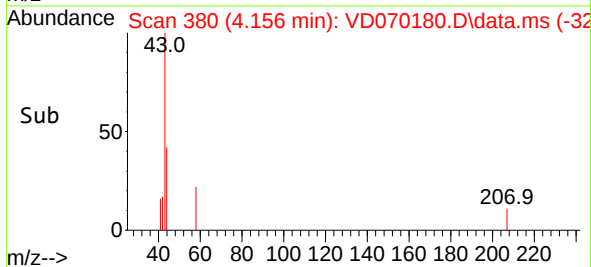
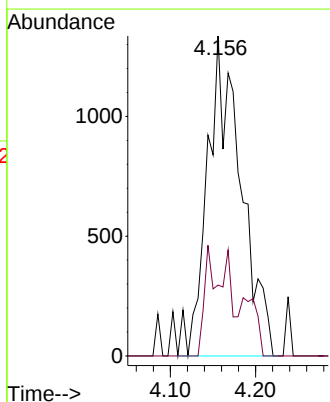
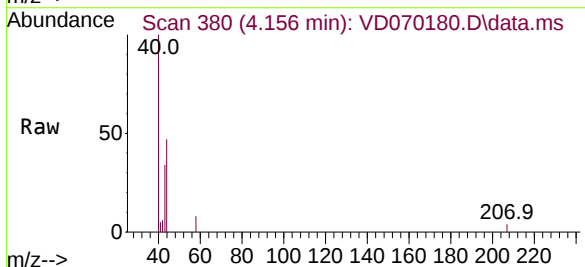
Instrument :  
MSVOA\_D  
ClientSampleId :

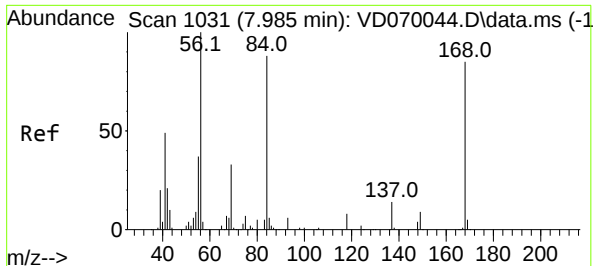
Tgt Ion: 59 Resp: 884  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.8 13.2#



#16  
Acetone  
Concen: 3.015 ug/l  
RT: 4.156 min Scan# 380  
Delta R.T. 0.000 min  
Lab File: VD070180.D  
Acq: 19 Aug 2021 22:29

Tgt Ion: 43 Resp: 3672  
Ion Ratio Lower Upper  
43 100  
58 22.2 26.8 40.2#

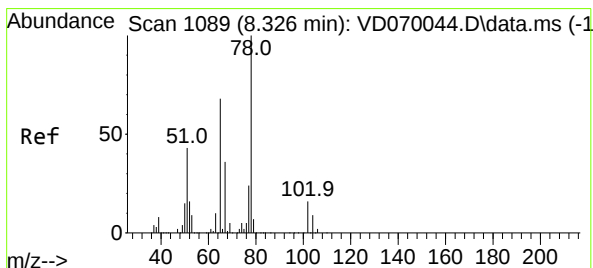
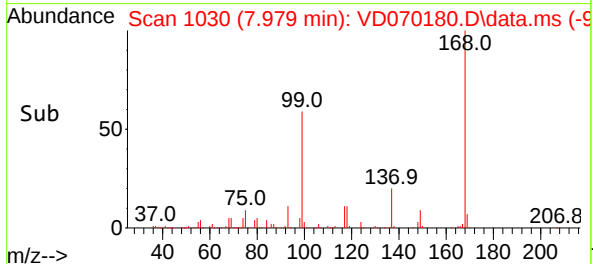
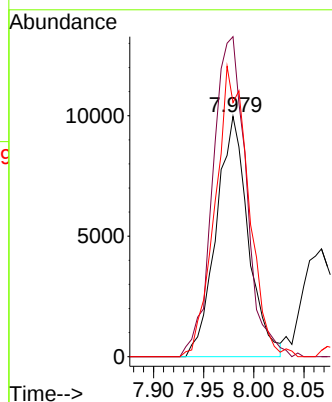
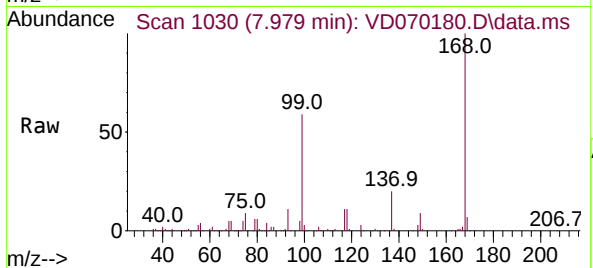




#31  
Cyclohexane  
Concen: 1.694 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.006 min  
Lab File: VD070180.D  
Acq: 19 Aug 2021 22:29

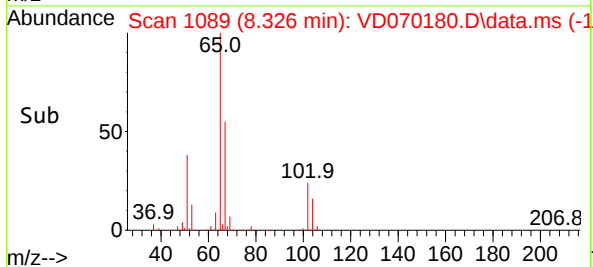
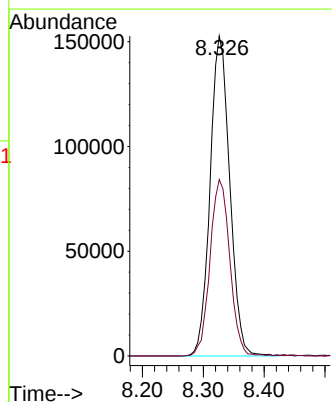
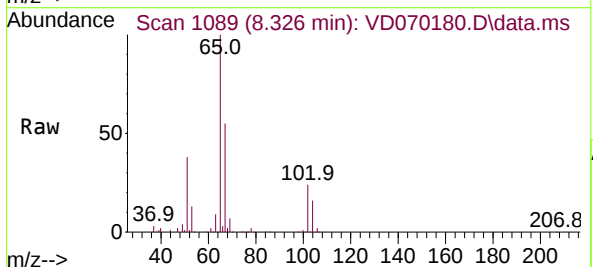
Instrument :  
MSVOA\_D  
ClientSampleId :

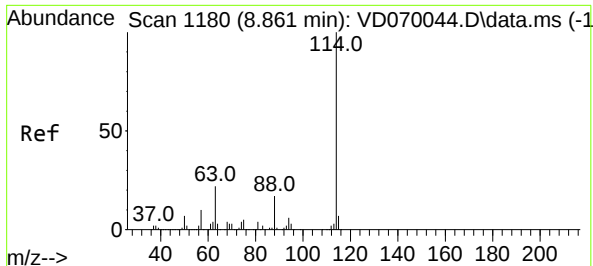
Tgt Ion: 56 Resp: 22164  
Ion Ratio Lower Upper  
56 100  
69 133.2 26.7 40.1#  
84 105.8 70.4 105.6#



#33  
1,2-Dichloroethane-d4  
Concen: 51.841 ug/l  
RT: 8.326 min Scan# 1089  
Delta R.T. 0.000 min  
Lab File: VD070180.D  
Acq: 19 Aug 2021 22:29

Tgt Ion: 65 Resp: 342761  
Ion Ratio Lower Upper  
65 100  
67 55.5 0.0 107.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD070180.D

Acq: 19 Aug 2021 22:29

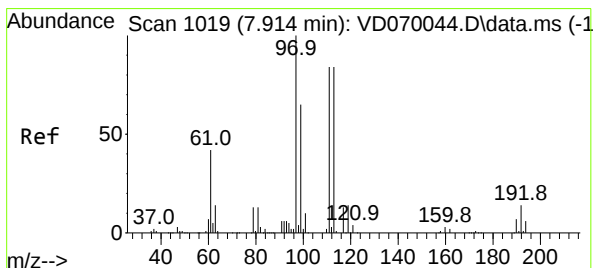
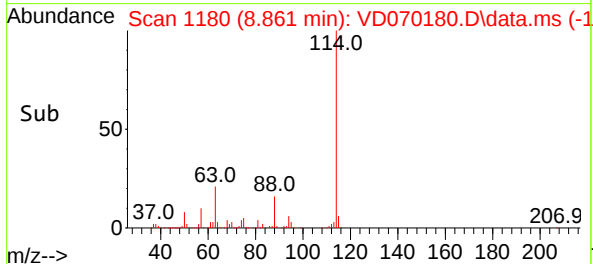
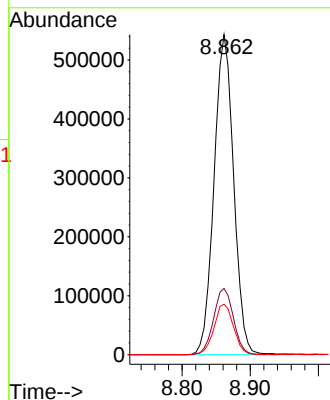
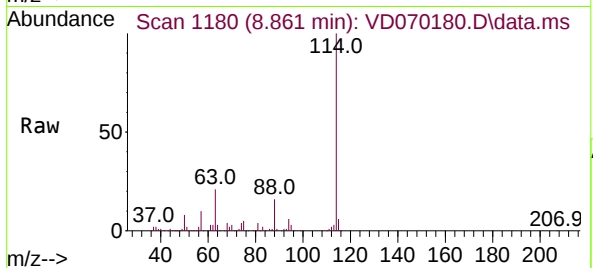
Tgt Ion:114 Resp: 1087248

Ion Ratio Lower Upper

114 100

63 20.7 0.0 43.6

88 15.7 0.0 33.4



#35

Dibromofluoromethane

Concen: 49.518 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD070180.D

Acq: 19 Aug 2021 22:29

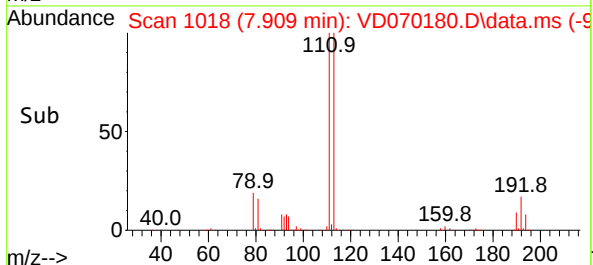
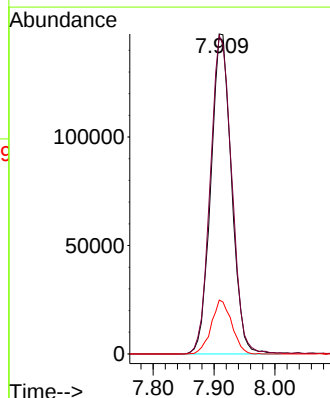
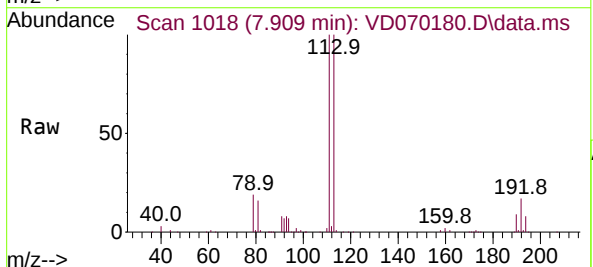
Tgt Ion:113 Resp: 347831

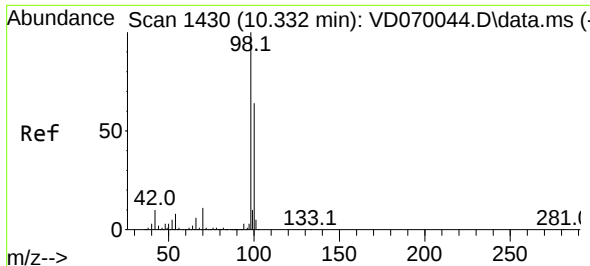
Ion Ratio Lower Upper

113 100

111 103.6 81.8 122.6

192 16.6 13.2 19.8

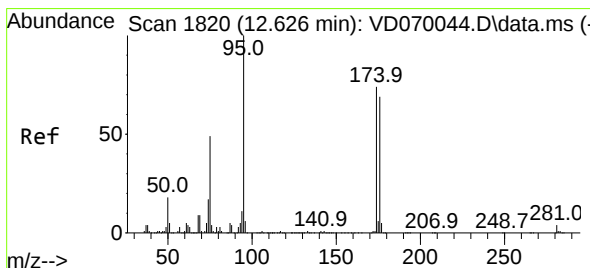
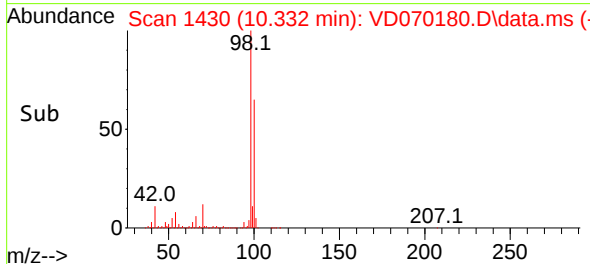
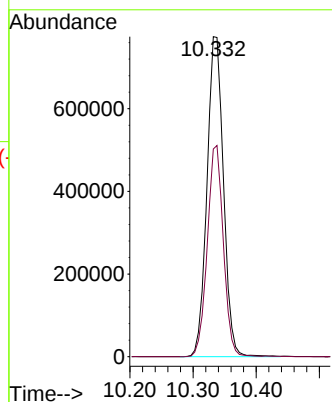
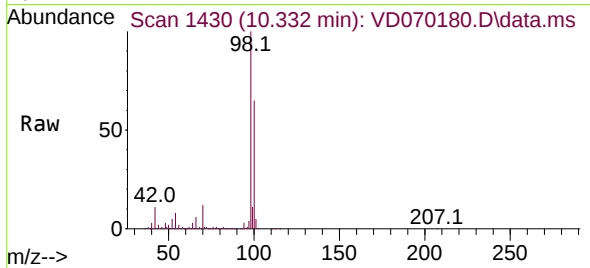




#50  
Toluene-d8  
Concen: 51.358 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. 0.000 min  
Lab File: VD070180.D  
Acq: 19 Aug 2021 22:29

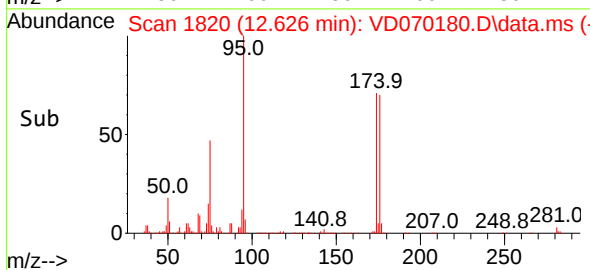
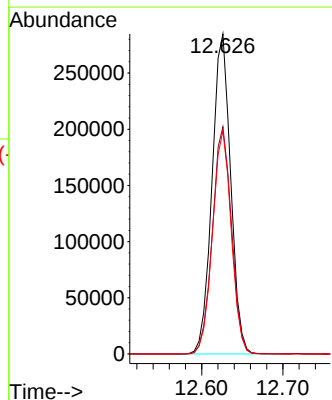
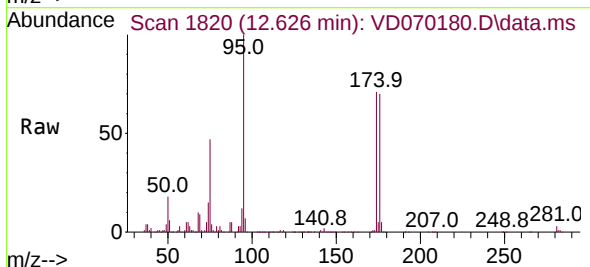
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MSVOA\_D  
ClientSampled :

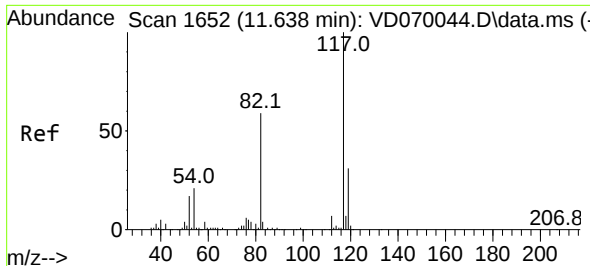
Tgt Ion: 98 Resp: 1403141  
Ion Ratio Lower Upper  
98 100  
100 64.2 52.6 78.8



#62  
4-Bromofluorobenzene  
Concen: 50.356 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. 0.000 min  
Lab File: VD070180.D  
Acq: 19 Aug 2021 22:29

Tgt Ion: 95 Resp: 453140  
Ion Ratio Lower Upper  
95 100  
174 72.8 0.0 141.6  
176 70.1 0.0 138.2

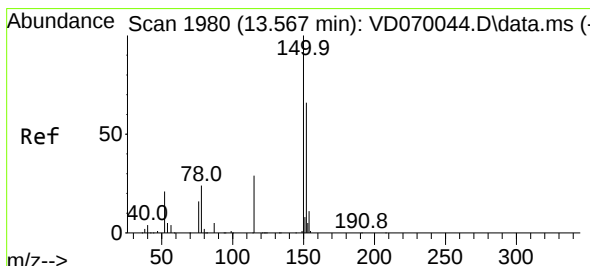
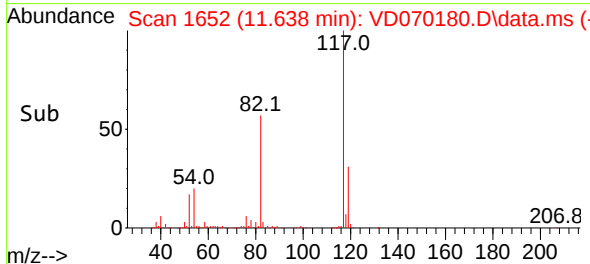
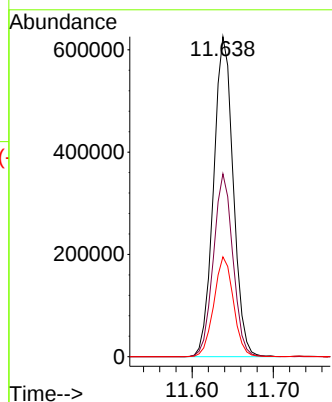
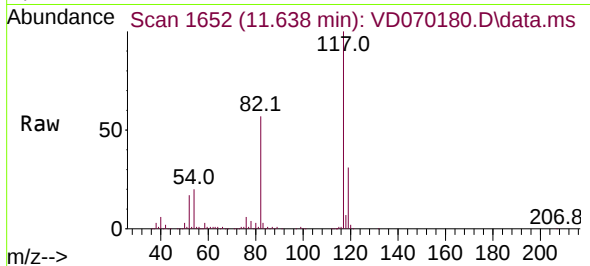




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1652  
Delta R.T. 0.000 min  
Lab File: VD070180.D  
Acq: 19 Aug 2021 22:29

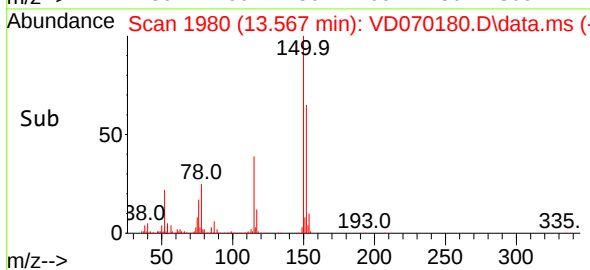
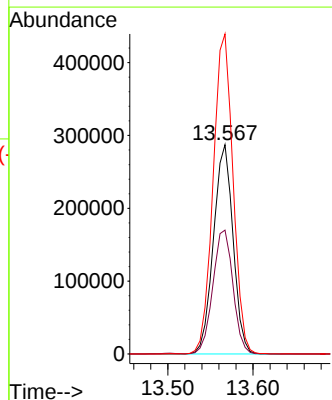
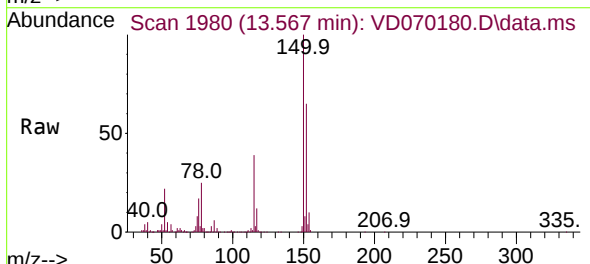
Instrument :  
MSVOA\_D  
ClientSampleId :

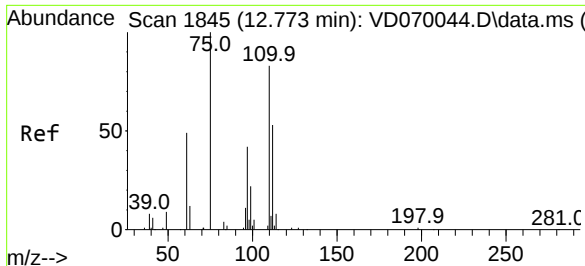
Tgt Ion:117 Resp: 1053716  
Ion Ratio Lower Upper  
117 100  
82 57.2 47.5 71.3  
119 31.2 25.1 37.7



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.567 min Scan# 1980  
Delta R.T. 0.000 min  
Lab File: VD070180.D  
Acq: 19 Aug 2021 22:29

Tgt Ion:152 Resp: 457942  
Ion Ratio Lower Upper  
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115 61.0 31.2 93.6  
150 155.4 0.0 352.0

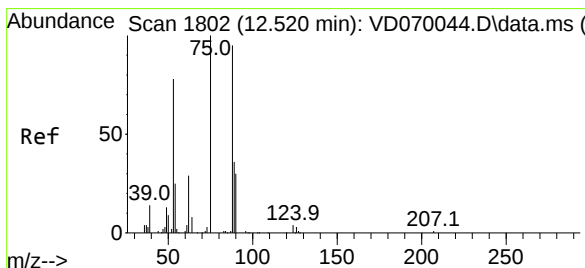
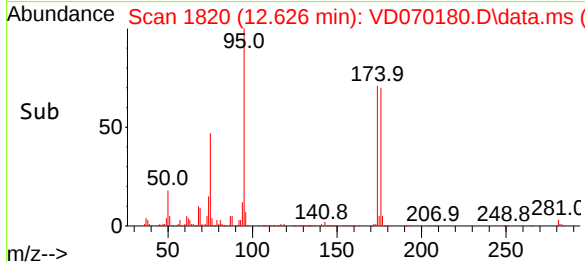
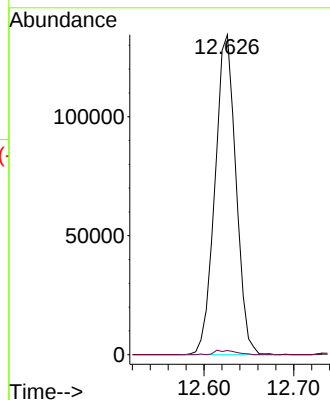
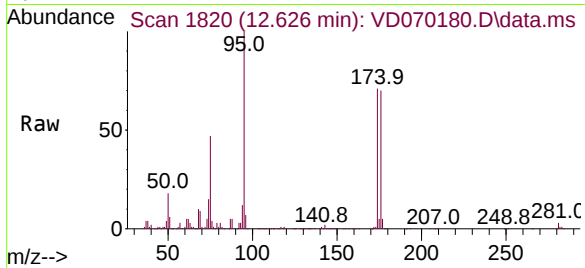




#76  
1,2,3-Trichloropropane  
Concen: 46.986 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. -0.147 min  
Lab File: VD070180.D  
Acq: 19 Aug 2021 22:29

Instrument :  
MSVOA\_D  
ClientSampleId :

Tgt Ion: 75 Resp: 218210  
Ion Ratio Lower Upper  
75 100  
77 1.4 182.4 547.2#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 121.958 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. 0.106 min  
Lab File: VD070180.D  
Acq: 19 Aug 2021 22:29

Tgt Ion: 75 Resp: 218210  
Ion Ratio Lower Upper  
75 100  
53 0.3 64.5 96.7#  
89 0.1 33.7 50.5#

