

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD040522\  
 Data File : VD072541.D  
 Acq On : 05 Apr 2022 18:07  
 Operator : VA/SY  
 Sample : N2267-01  
 Misc : 4.82G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 LINDEN-SOUTH

Quant Time: Apr 06 01:15:08 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D032922S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 30 02:44:36 2022  
 Response via : Initial Calibration

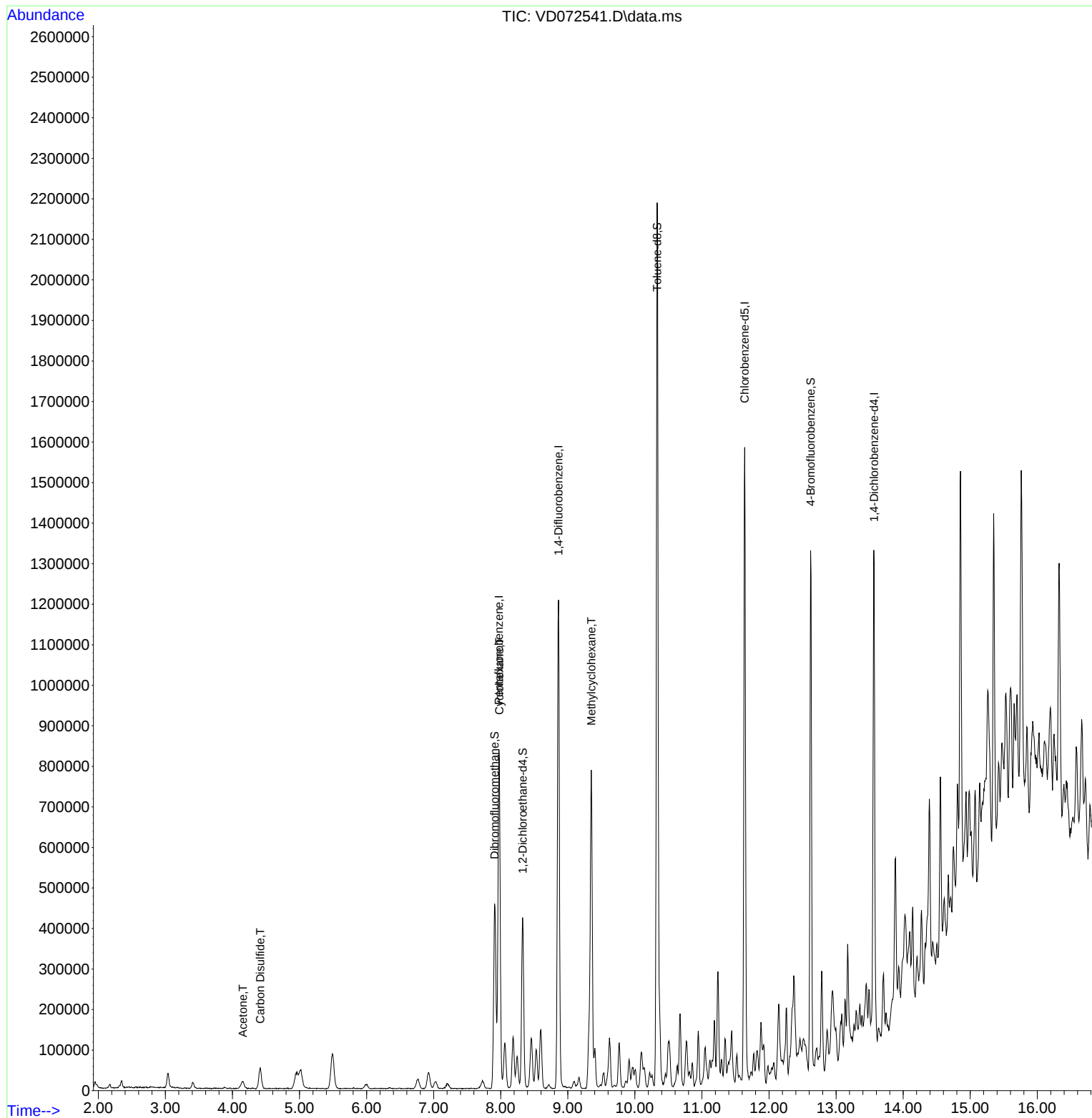
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.973  | 168   | 564985   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.861  | 114   | 1049027  | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.638 | 117   | 915745   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.567 | 152   | 337043   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.326  | 65    | 340809   | 49.865   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 99.740%  |
| 35) Dibromofluoromethane    | 7.909  | 113   | 335872   | 41.199   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 82.400%  |
| 50) Toluene-d8              | 10.332 | 98    | 1274117  | 44.961   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =      | 89.920%  |
| 62) 4-Bromofluorobenzene    | 12.620 | 95    | 400903   | 36.224   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =      | 72.440%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 4.156  | 43    | 24108    | 18.917   | ug/l # | 85       |
| 17) Carbon Disulfide        | 4.415  | 76    | 108233   | 12.760   | ug/l   | 99       |
| 31) Cyclohexane             | 7.979  | 56    | 43714    | 4.892    | ug/l # | 55       |
| 39) Methylcyclohexane       | 9.350  | 83    | 322894   | 27.959   | ug/l   | 96       |
| -----                       |        |       |          |          |        |          |

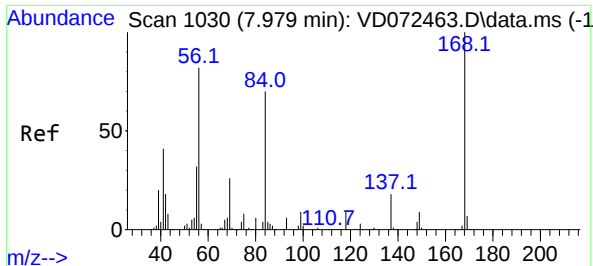
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_D  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D032922S.M  
Quant Title : SW846 8260  
QLast Update : Wed Mar 30 02:44:36 2022  
Response via : Initial Calibration

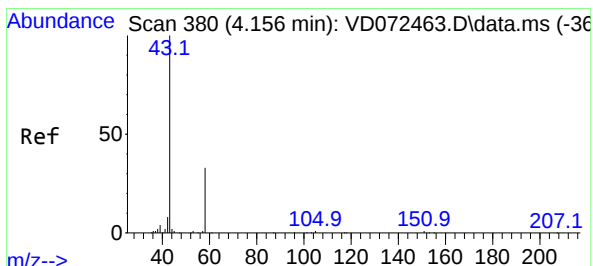
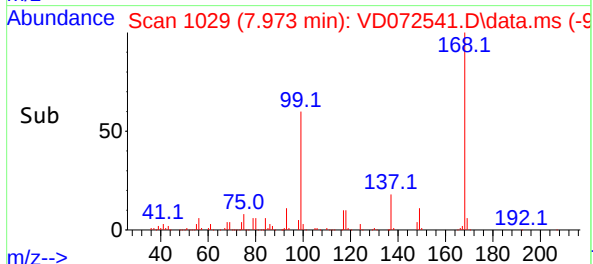
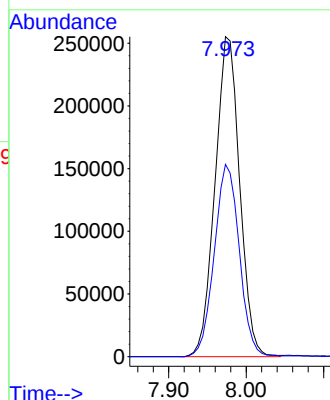
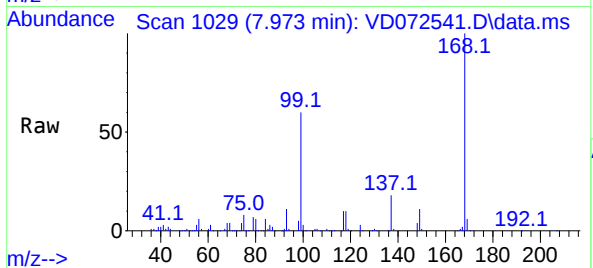




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.973 min Scan# 1030  
Delta R.T. -0.006 min  
Lab File: VD072541.D  
Acq: 05 Apr 2022 18:07

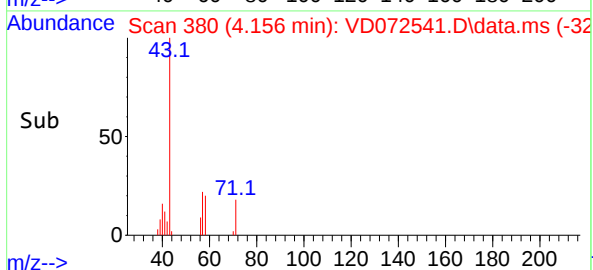
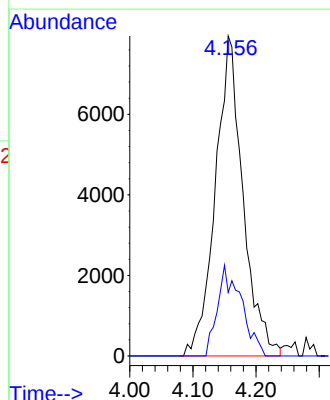
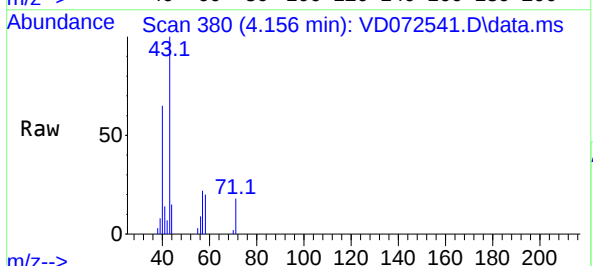
Instrument :  
MSVOA\_D  
ClientSampleId :  
LINDEN-SOUTH

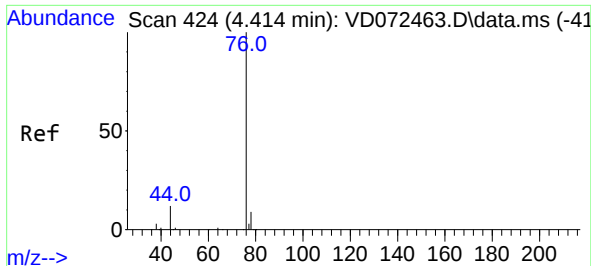
Tgt Ion:168 Resp: 564985  
Ion Ratio Lower Upper  
168 100  
99 60.0 49.8 74.6



#16  
Acetone  
Concen: 18.917 ug/l  
RT: 4.156 min Scan# 380  
Delta R.T. 0.000 min  
Lab File: VD072541.D  
Acq: 05 Apr 2022 18:07

Tgt Ion: 43 Resp: 24108  
Ion Ratio Lower Upper  
43 100  
58 19.8 22.1 33.1#

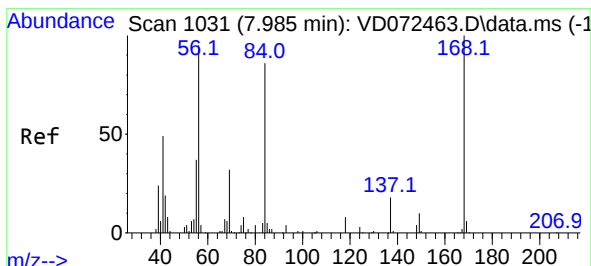
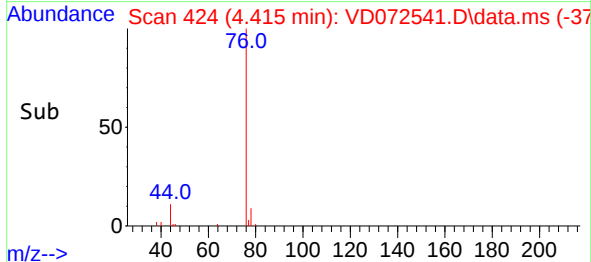
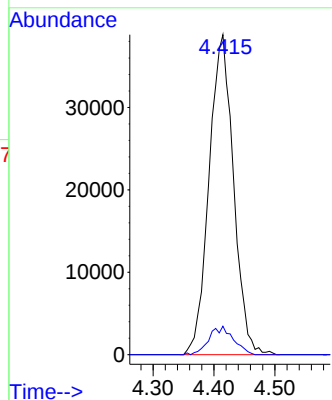
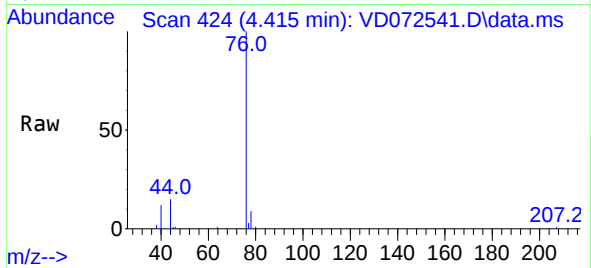




#17  
Carbon Disulfide  
Concen: 12.760 ug/l  
RT: 4.415 min Scan# 41  
Delta R.T. 0.001 min  
Lab File: VD072541.D  
Acq: 05 Apr 2022 18:07

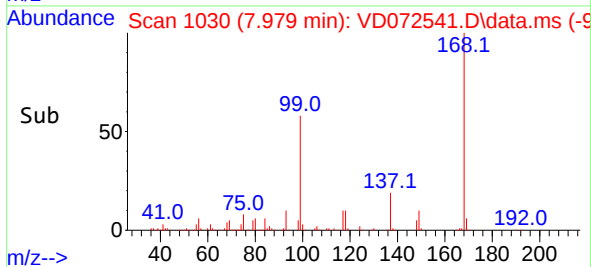
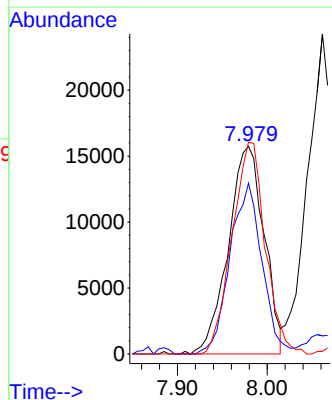
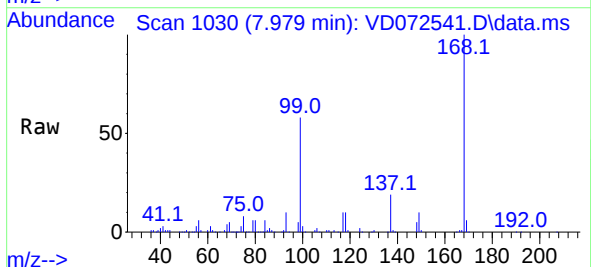
Instrument :  
MSVOA\_D  
ClientSampleId :  
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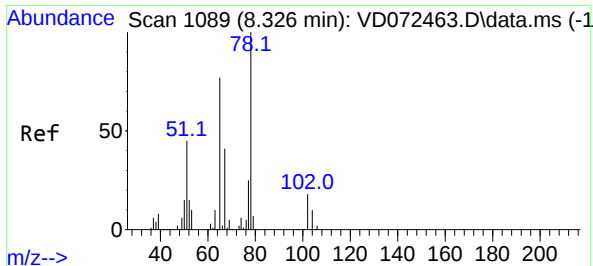
Tgt Ion: 76 Resp: 108233  
Ion Ratio Lower Upper  
76 100  
78 8.9 7.5 11.3



#31  
Cyclohexane  
Concen: 4.892 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.006 min  
Lab File: VD072541.D  
Acq: 05 Apr 2022 18:07

Tgt Ion: 56 Resp: 43714  
Ion Ratio Lower Upper  
56 100  
69 82.3 25.4 38.2#  
84 102.0 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 49.865 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD072541.D

Acq: 05 Apr 2022 18:07

Instrument :

MSVOA\_D

ClientSampleId :

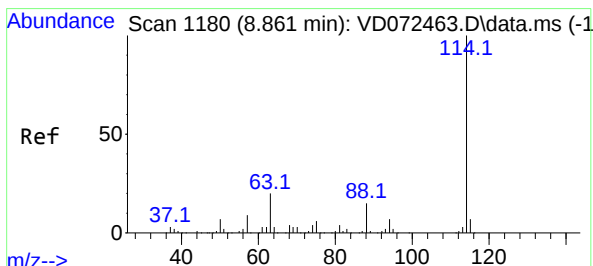
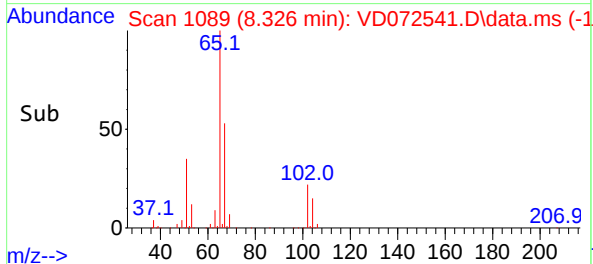
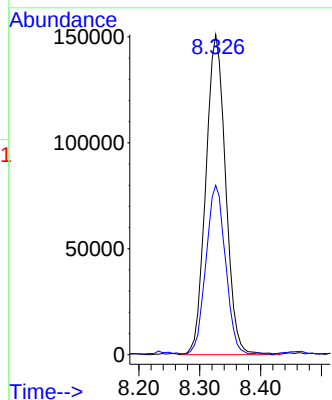
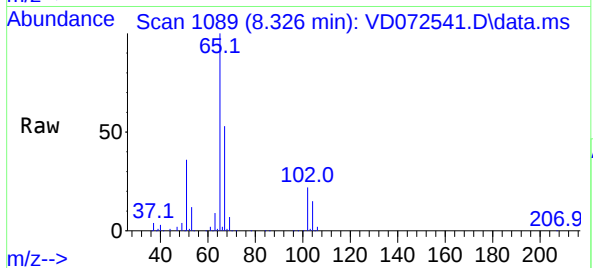
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Tgt Ion: 65 Resp: 340809

Ion Ratio Lower Upper

65 100

67 51.4 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD072541.D

Acq: 05 Apr 2022 18:07

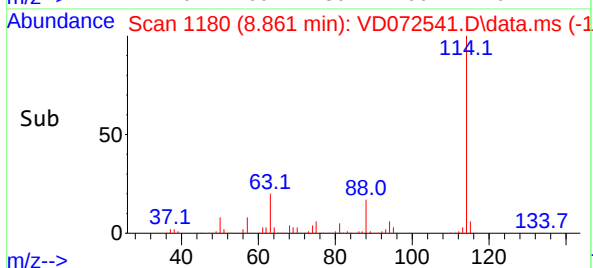
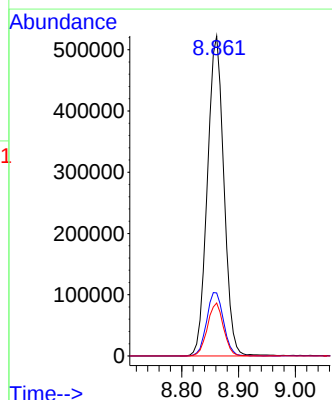
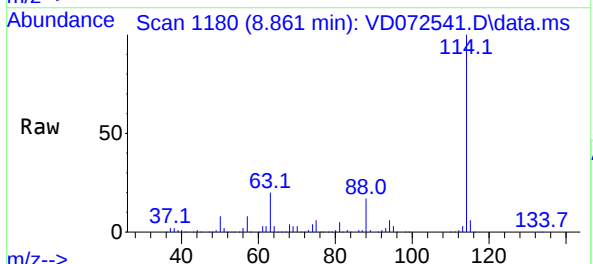
Tgt Ion: 114 Resp: 1049027

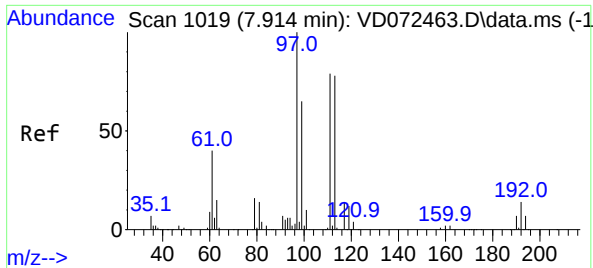
Ion Ratio Lower Upper

114 100

63 19.7 0.0 46.6

88 16.6 0.0 33.2

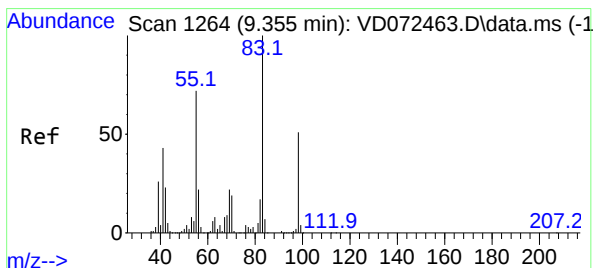
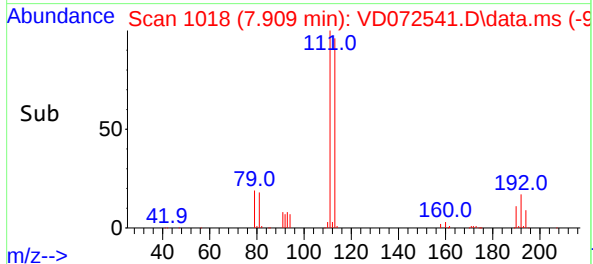
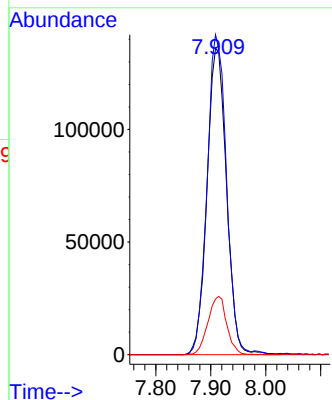
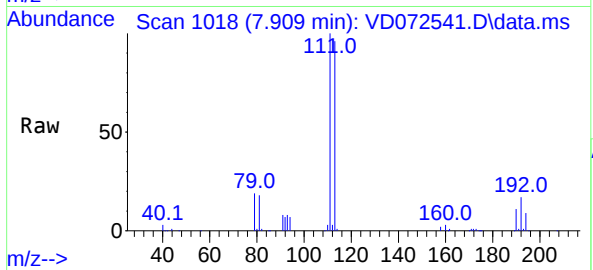




#35  
Dibromofluoromethane  
Concen: 41.199 ug/l  
RT: 7.909 min Scan# 1019  
Delta R.T. -0.006 min  
Lab File: VD072541.D  
Acq: 05 Apr 2022 18:07

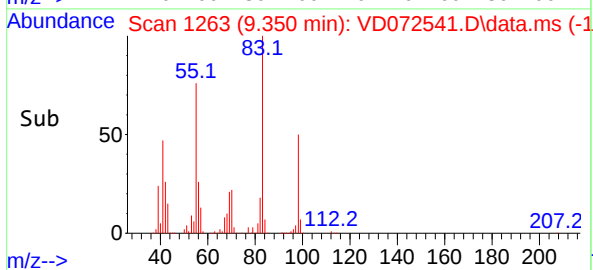
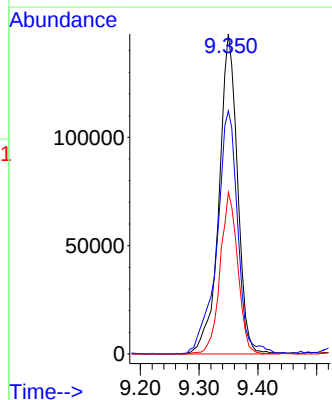
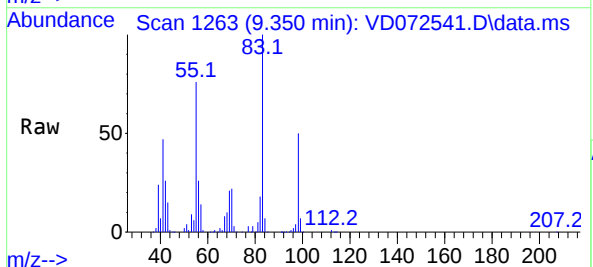
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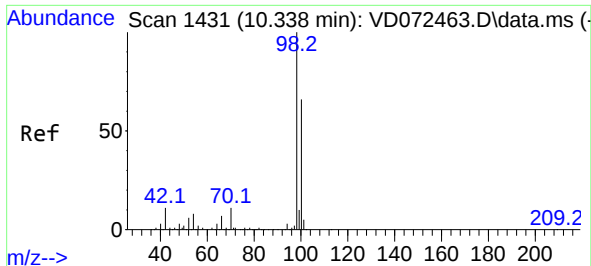
Tgt Ion:113 Resp: 335872  
Ion Ratio Lower Upper  
113 100  
111 103.9 83.8 125.6  
192 18.4 14.6 21.8



#39  
Methylcyclohexane  
Concen: 27.959 ug/l  
RT: 9.350 min Scan# 1263  
Delta R.T. -0.005 min  
Lab File: VD072541.D  
Acq: 05 Apr 2022 18:07

Tgt Ion: 83 Resp: 322894  
Ion Ratio Lower Upper  
83 100  
55 75.9 63.2 94.8  
98 50.5 38.2 57.4

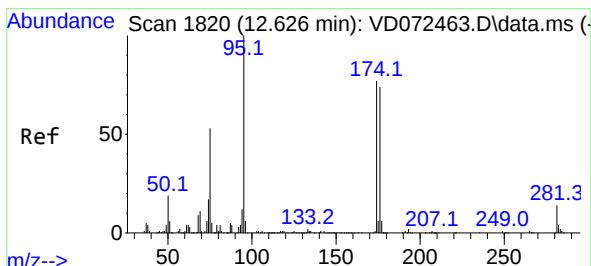
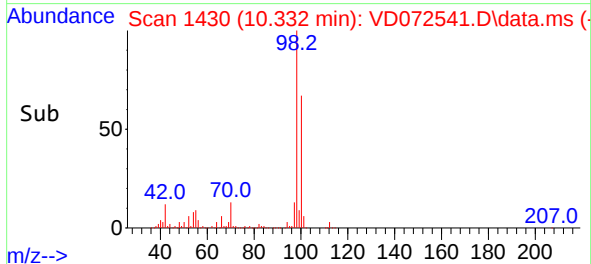
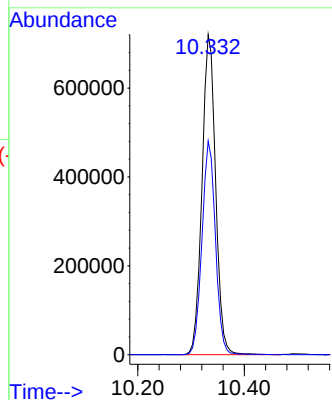
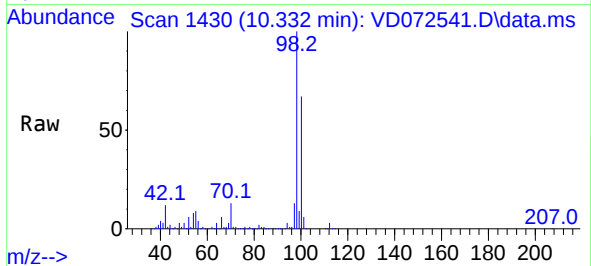




#50  
Toluene-d8  
Concen: 44.961 ug/l  
RT: 10.332 min Scan# 1431  
Delta R.T. -0.006 min  
Lab File: VD072541.D  
Acq: 05 Apr 2022 18:07

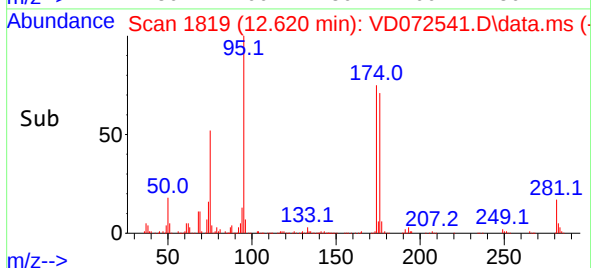
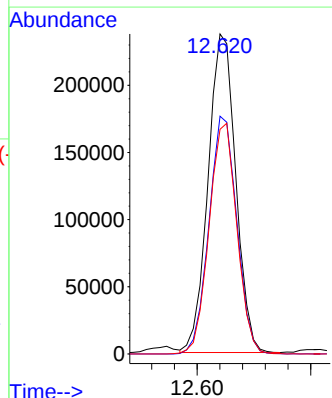
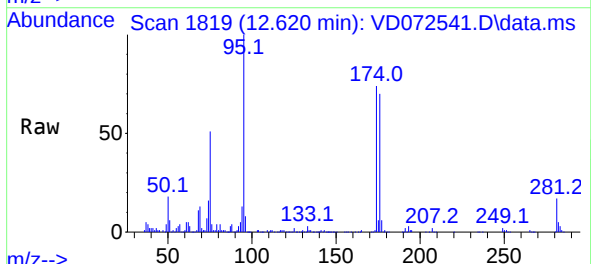
Instrument :  
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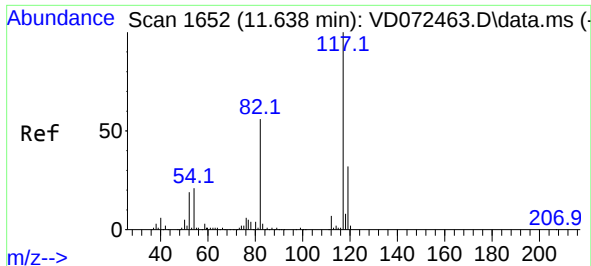
Tgt Ion: 98 Resp: 1274117  
Ion Ratio Lower Upper  
98 100  
100 66.1 52.4 78.6



#62  
4-Bromofluorobenzene  
Concen: 36.224 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. -0.006 min  
Lab File: VD072541.D  
Acq: 05 Apr 2022 18:07

Tgt Ion: 95 Resp: 400903  
Ion Ratio Lower Upper  
95 100  
174 75.3 0.0 152.8  
176 72.7 0.0 145.4

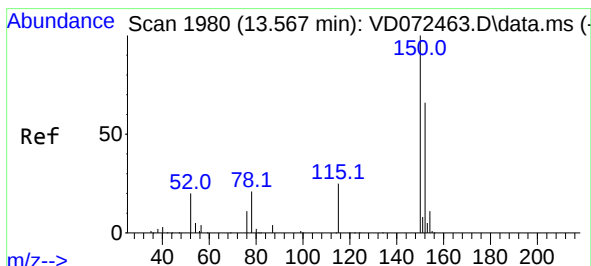
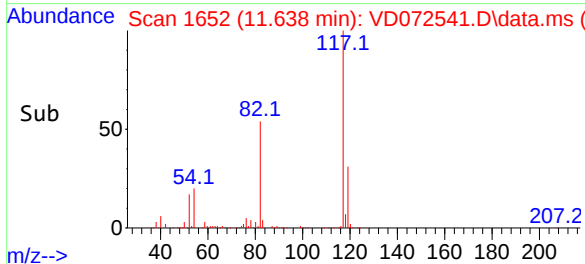
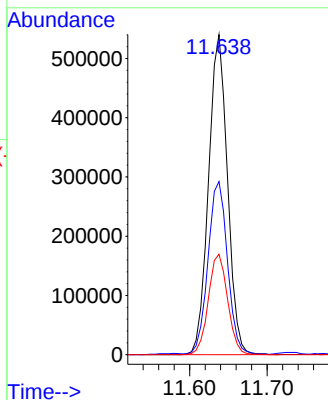
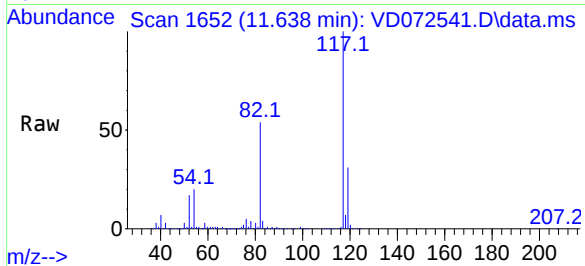




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1652  
Delta R.T. 0.000 min  
Lab File: VD072541.D  
Acq: 05 Apr 2022 18:07

Instrument :  
MSVOA\_D  
ClientSampleId :  
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Tgt Ion:117 Resp: 915745  
Ion Ratio Lower Upper  
117 100  
82 53.7 45.3 67.9  
119 31.4 26.6 40.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.567 min Scan# 1980  
Delta R.T. 0.000 min  
Lab File: VD072541.D  
Acq: 05 Apr 2022 18:07

Tgt Ion:152 Resp: 337043  
Ion Ratio Lower Upper  
152 100  
115 61.7 31.3 93.8  
150 155.5 0.0 348.6

