

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD052022\  
 Data File : VD073219.D  
 Acq On : 21 May 2022 09:42  
 Operator : VA/SY  
 Sample : N2885-15  
 Misc : 4.20G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 P008-SS003-0006-01

Quant Time: May 22 00:01:29 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051922S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 19 15:13:42 2022  
 Response via : Initial Calibration

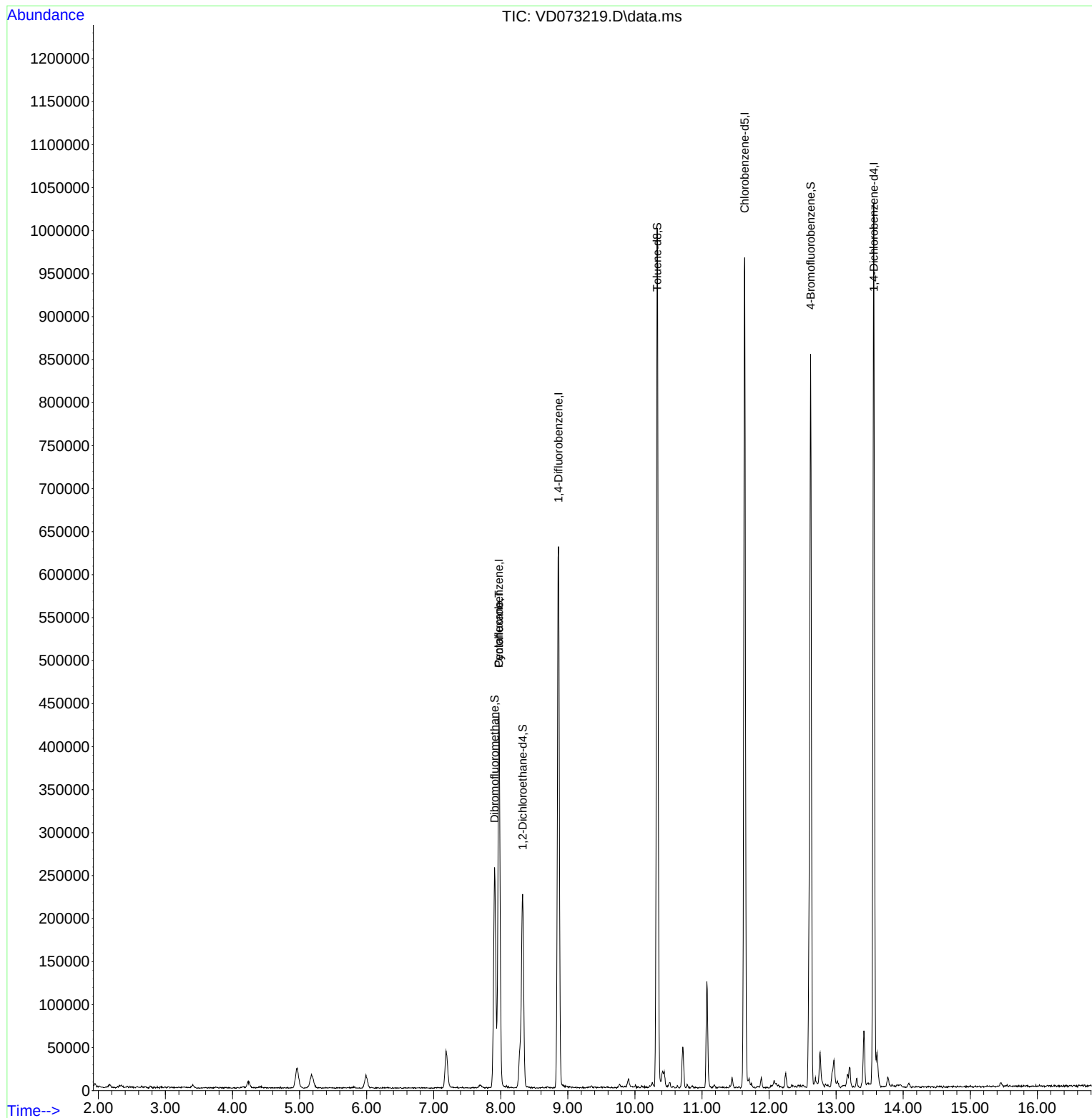
| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 7.973  | 168   | 307065   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.861  | 114   | 541527   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.638 | 117   | 564596   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.561 | 152   | 256600   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.326  | 65    | 174525   | 51.429   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 102.860% |          |
| 35) Dibromofluoromethane    | 7.908  | 113   | 180195   | 50.427   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 100.860% |          |
| 50) Toluene-d8              | 10.332 | 98    | 675334   | 51.269   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | = 102.540% |          |
| 62) 4-Bromofluorobenzene    | 12.620 | 95    | 264448   | 57.206   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | = 114.420% |          |
| Target Compounds            |        |       |          |          |            |          |
|                             |        |       |          |          | Qvalue     |          |
| 31) Cyclohexane             | 7.973  | 56    | 7879     | 1.329    | ug/l #     | 1        |
| -----                       |        |       |          |          |            |          |

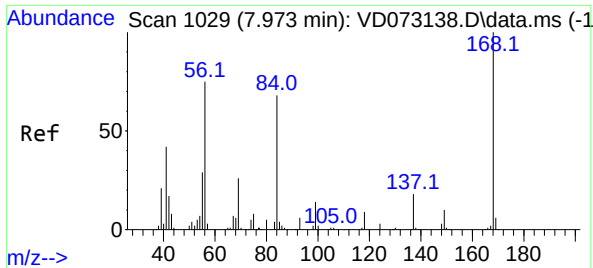
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051922S.M  
Quant Title : SW846 8260  
QLast Update : Thu May 19 15:13:42 2022  
Response via : Initial Calibration

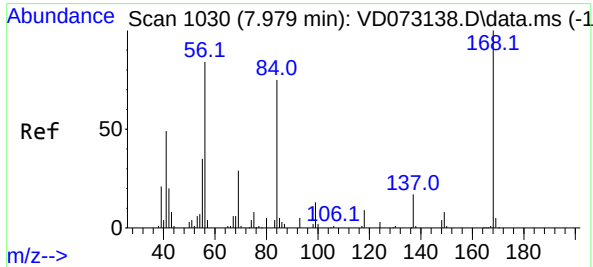
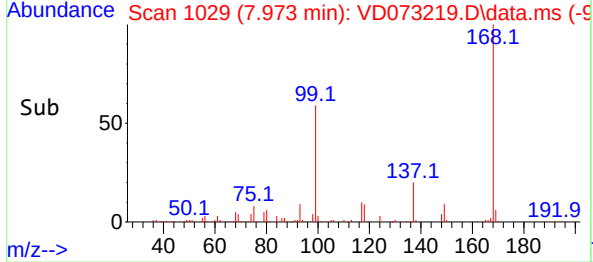
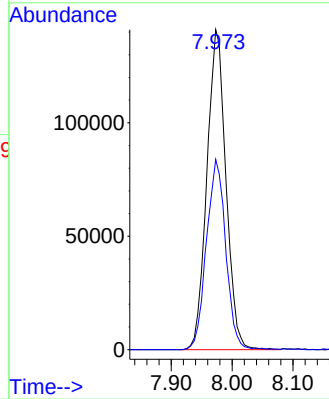
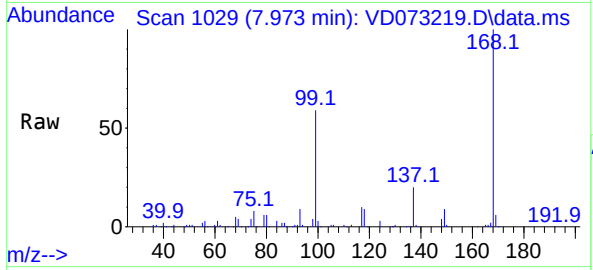




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. 0.000 min  
Lab File: VD073219.D  
Acq: 21 May 2022 09:42

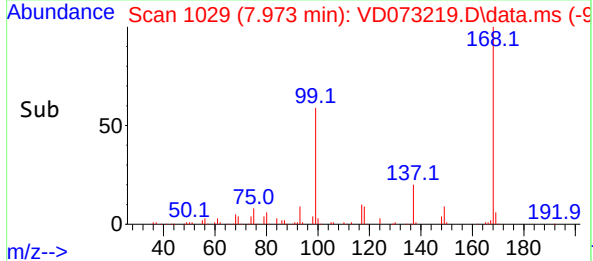
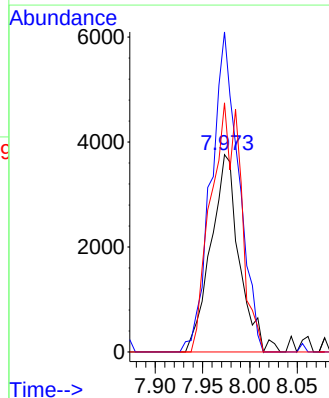
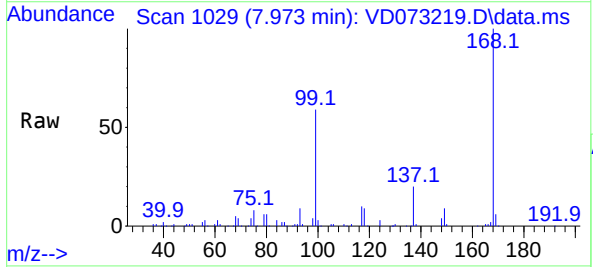
Instrument :  
MSVOA\_D  
ClientSampleId :  
P008-SS003-0006-01

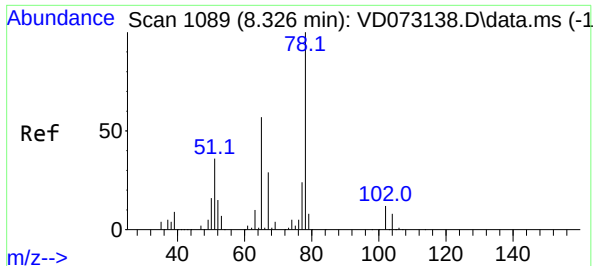
Tgt Ion:168 Resp: 307065  
Ion Ratio Lower Upper  
168 100  
99 59.5 49.8 74.6



#31  
Cyclohexane  
Concen: 1.329 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. -0.006 min  
Lab File: VD073219.D  
Acq: 21 May 2022 09:42

Tgt Ion: 56 Resp: 7879  
Ion Ratio Lower Upper  
56 100  
69 162.2 25.4 38.2#  
84 126.2 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 51.429 ug/l

RT: 8.326 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VD073219.D

Acq: 21 May 2022 09:42

Instrument :

MSVOA\_D

ClientSampleId :

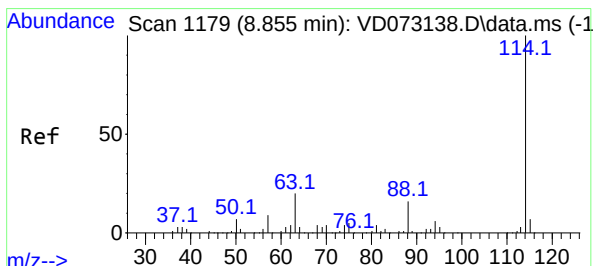
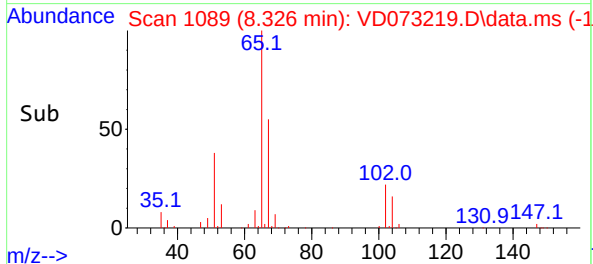
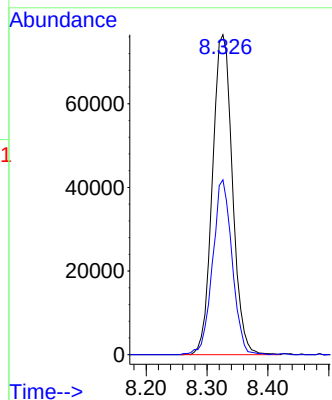
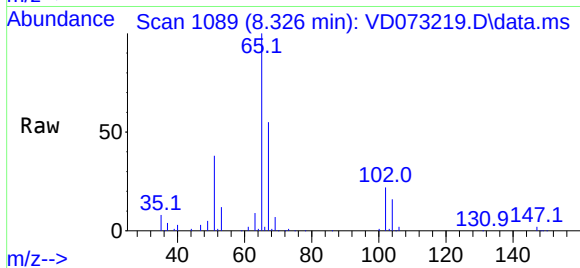
P008-SS003-0006-01

Tgt Ion: 65 Resp: 174525

Ion Ratio Lower Upper

65 100

67 53.3 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.006 min

Lab File: VD073219.D

Acq: 21 May 2022 09:42

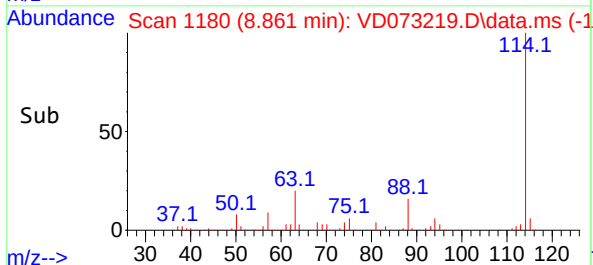
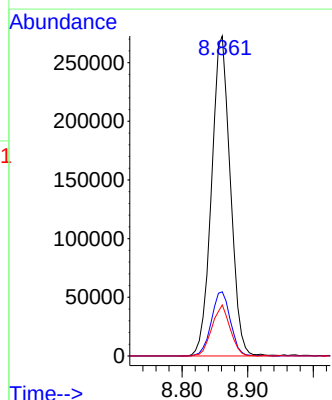
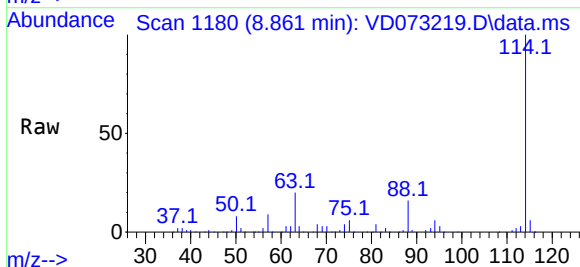
Tgt Ion: 114 Resp: 541527

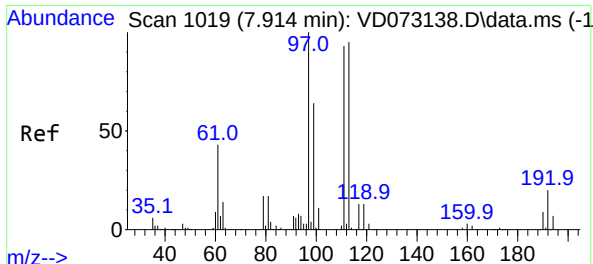
Ion Ratio Lower Upper

114 100

63 20.1 0.0 46.6

88 16.0 0.0 33.2

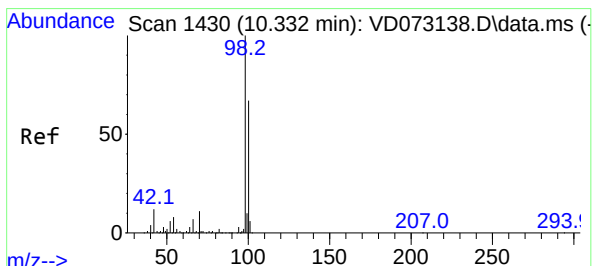
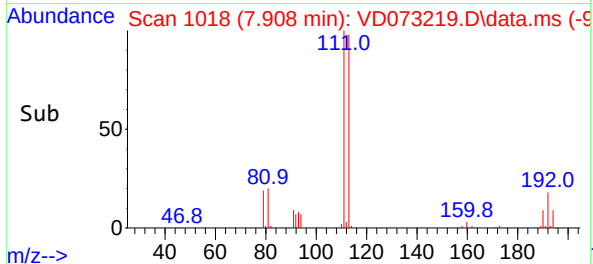
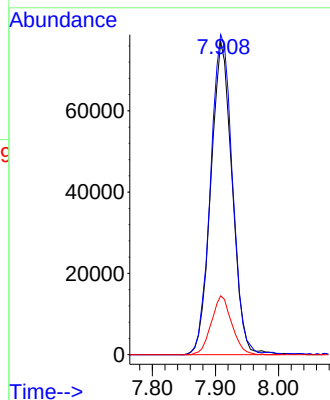
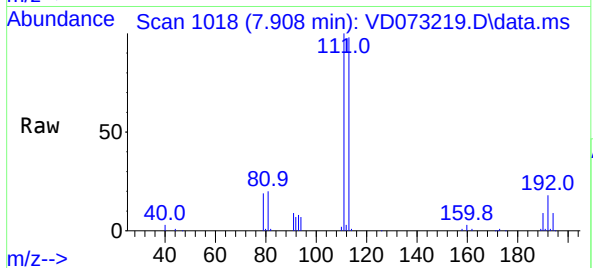




#35  
Dibromofluoromethane  
Concen: 50.427 ug/l  
RT: 7.908 min Scan# 1019  
Delta R.T. -0.006 min  
Lab File: VD073219.D  
Acq: 21 May 2022 09:42

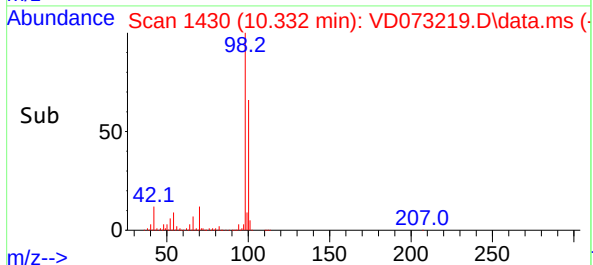
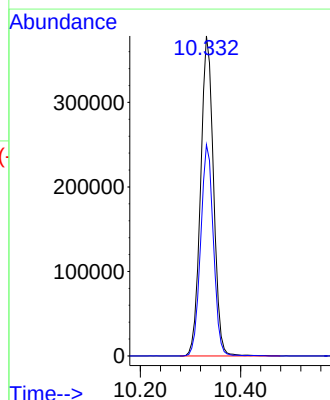
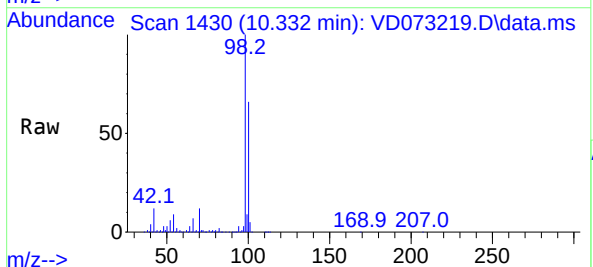
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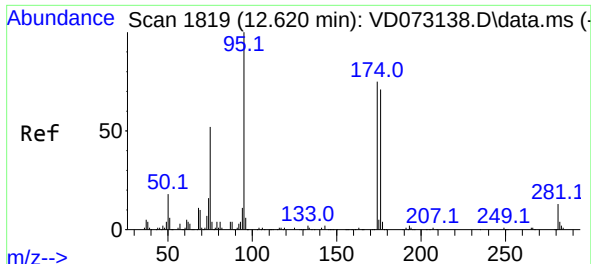
Tgt Ion:113 Resp: 180195  
Ion Ratio Lower Upper  
113 100  
111 105.1 83.8 125.6  
192 18.0 14.6 21.8



#50  
Toluene-d8  
Concen: 51.269 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: VD073219.D  
Acq: 21 May 2022 09:42

Tgt Ion: 98 Resp: 675334  
Ion Ratio Lower Upper  
98 100  
100 65.3 52.4 78.6

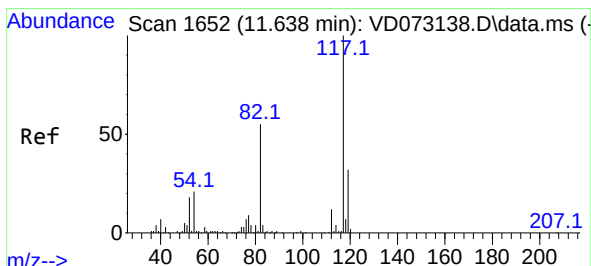
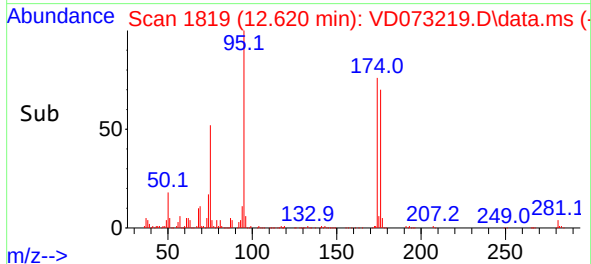
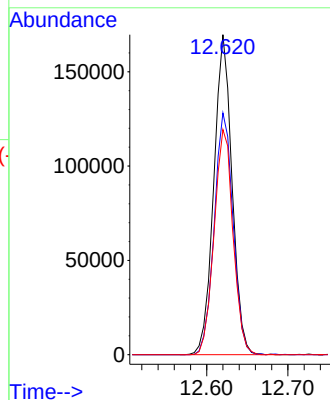
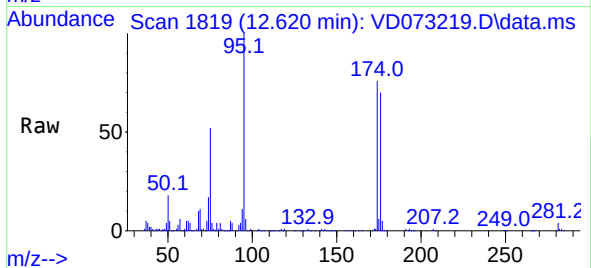




#62  
4-Bromofluorobenzene  
Concen: 57.206 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. -0.000 min  
Lab File: VD073219.D  
Acq: 21 May 2022 09:42

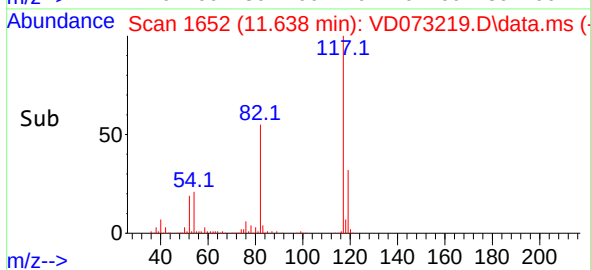
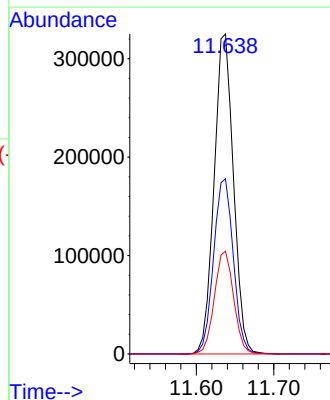
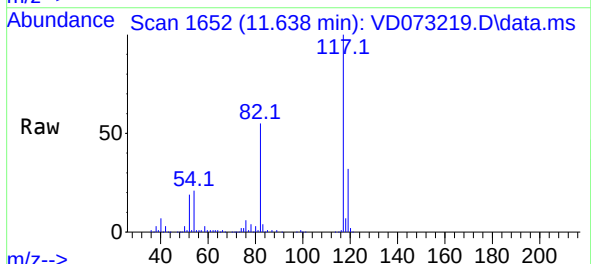
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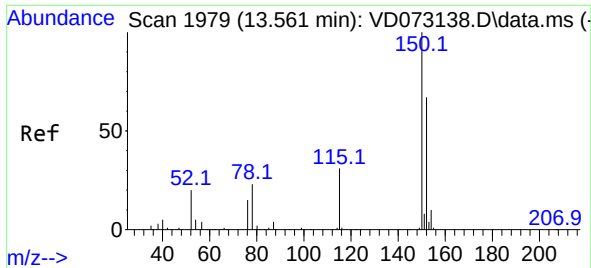
Tgt Ion: 95 Resp: 264448  
Ion Ratio Lower Upper  
95 100  
174 78.1 0.0 152.8  
176 73.1 0.0 145.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1652  
Delta R.T. -0.000 min  
Lab File: VD073219.D  
Acq: 21 May 2022 09:42

Tgt Ion: 117 Resp: 564596  
Ion Ratio Lower Upper  
117 100  
82 54.8 45.3 67.9  
119 32.1 26.6 40.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 1979

Delta R.T. 0.000 min

Lab File: VD073219.D

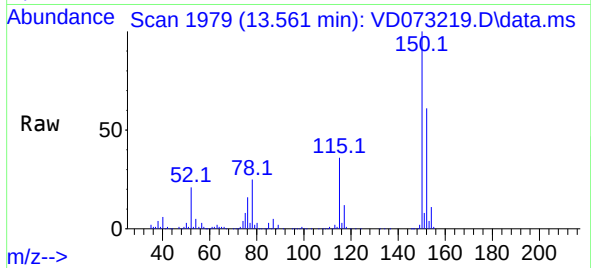
Acq: 21 May 2022 09:42

Instrument :

MSVOA\_D

ClientSampleId :

P008-SS003-0006-01



Tgt Ion:152 Resp: 256600

Ion Ratio Lower Upper

152 100

115 59.8 31.3 93.8

150 160.2 0.0 348.6

