

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY052122\  
 Data File : VY008944.D  
 Acq On : 21 May 2022 13:06  
 Operator : KP/MD  
 Sample : N2919-09  
 Misc : 5.24g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 P013-SS002-0006-01

Quant Time: May 21 21:29:00 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y052022S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 20 23:50:52 2022  
 Response via : Initial Calibration

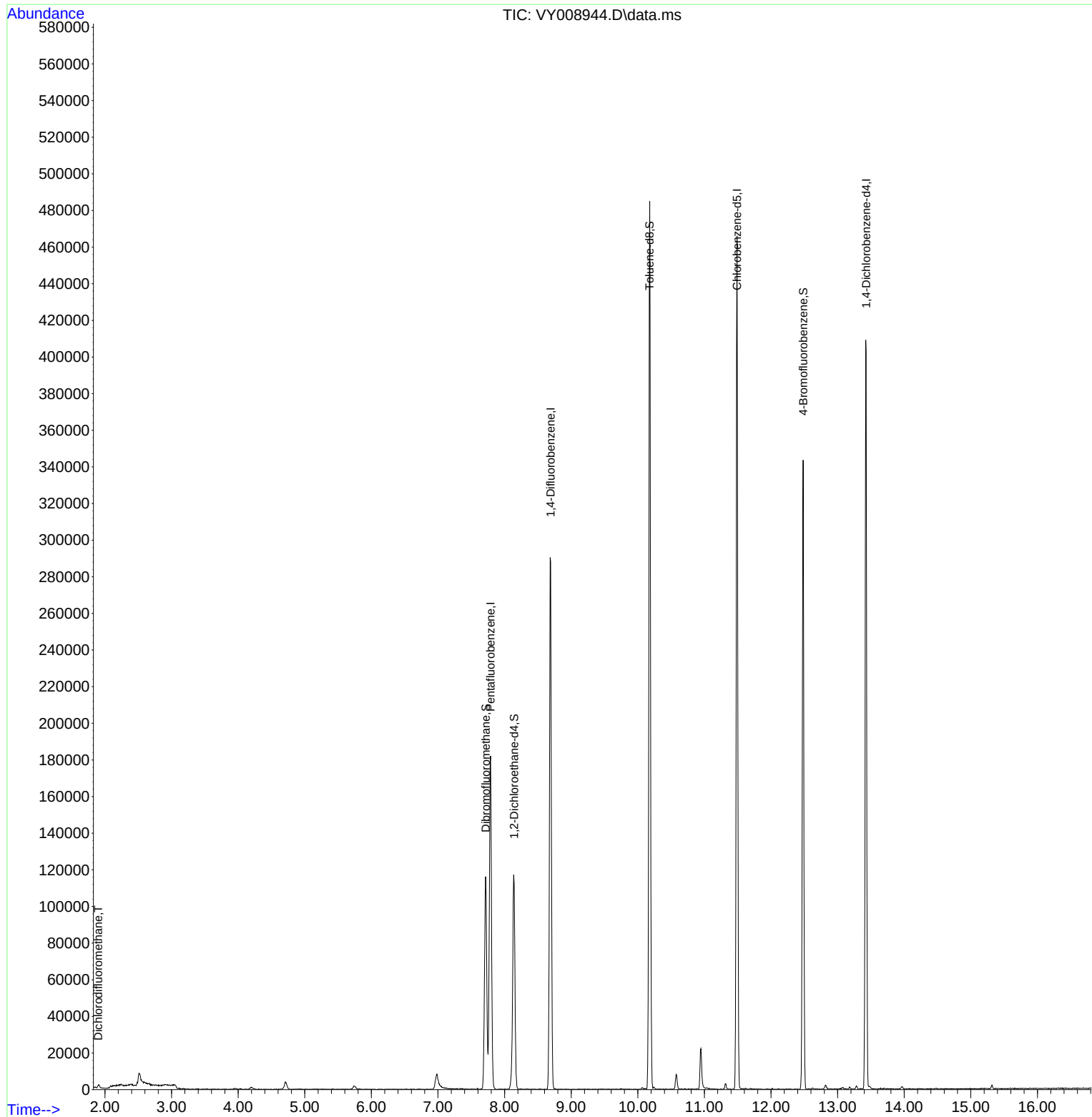
| Compound                    | R.T. QIon |                | Response | Conc       | Units | Dev(Min)  |
|-----------------------------|-----------|----------------|----------|------------|-------|-----------|
| -----                       |           |                |          |            |       |           |
| Internal Standards          |           |                |          |            |       |           |
| 1) Pentafluorobenzene       | 7.789     | 168            | 137683   | 50.000     | ug/l  | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.691     | 114            | 245943   | 50.000     | ug/l  | 0.00      |
| 63) Chlorobenzene-d5        | 11.489    | 117            | 234242   | 50.000     | ug/l  | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.428    | 152            | 99937    | 50.000     | ug/l  | 0.00      |
| System Monitoring Compounds |           |                |          |            |       |           |
| 33) 1,2-Dichloroethane-d4   | 8.142     | 65             | 85133    | 60.079     | ug/l  | 0.00      |
| Spiked Amount               | 50.000    | Range 50 - 163 | Recovery | = 120.160% |       |           |
| 35) Dibromofluoromethane    | 7.716     | 113            | 77456    | 50.645     | ug/l  | 0.00      |
| Spiked Amount               | 50.000    | Range 54 - 147 | Recovery | = 101.300% |       |           |
| 50) Toluene-d8              | 10.179    | 98             | 308300   | 54.643     | ug/l  | 0.00      |
| Spiked Amount               | 50.000    | Range 49 - 140 | Recovery | = 109.280% |       |           |
| 62) 4-Bromofluorobenzene    | 12.483    | 95             | 89619    | 39.376     | ug/l  | 0.00      |
| Spiked Amount               | 50.000    | Range 25 - 144 | Recovery | = 78.760%  |       |           |
| Target Compounds            |           |                |          |            |       |           |
| 2) Dichlorodifluoromethane  | 1.900     | 85             | 1301     | 1.033      | ug/l  | Qvalue 78 |
| -----                       |           |                |          |            |       |           |

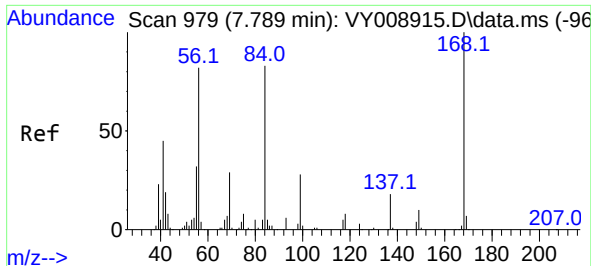
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_Y  
ClientSampleId :  
P013-SS002-0006-01

Quant Time: May 21 21:29:00 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y052022S.M  
Quant Title : SW846 8260  
QLast Update : Fri May 20 23:50:52 2022  
Response via : Initial Calibration

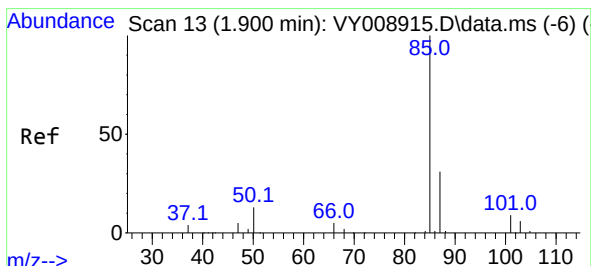
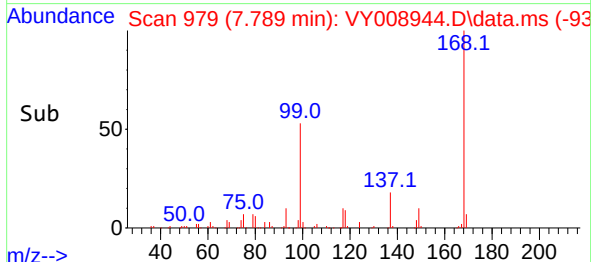
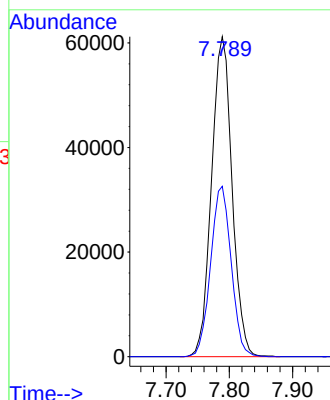
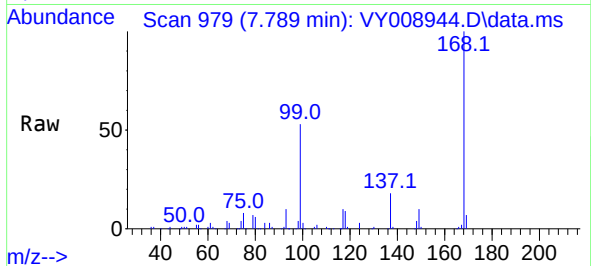




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY008944.D  
Acq: 21 May 2022 13:06

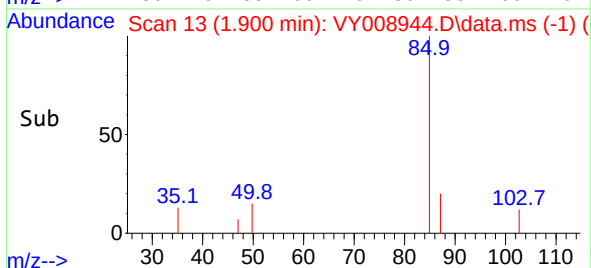
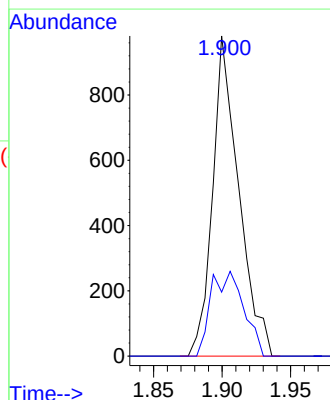
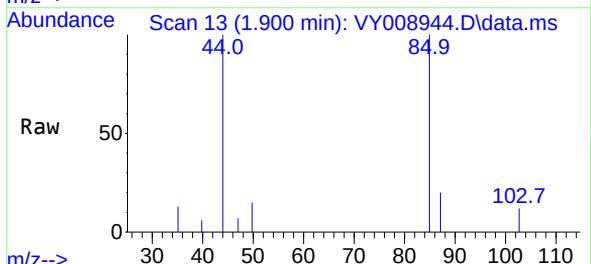
Instrument :  
MSVOA\_Y  
ClientSampleId :  
P013-SS002-0006-01

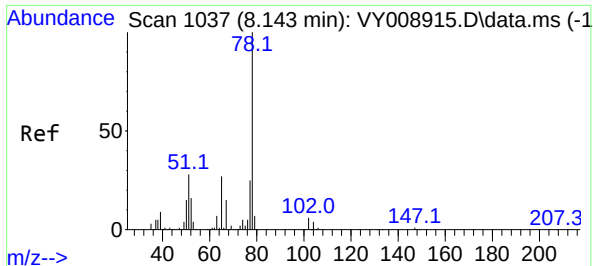
Tgt Ion:168 Resp: 137683  
Ion Ratio Lower Upper  
168 100  
99 53.3 46.9 70.3



#2  
Dichlorodifluoromethane  
Concen: 1.033 ug/l  
RT: 1.900 min Scan# 13  
Delta R.T. -0.000 min  
Lab File: VY008944.D  
Acq: 21 May 2022 13:06

Tgt Ion: 85 Resp: 1301  
Ion Ratio Lower Upper  
85 100  
87 20.0 16.1 48.2





#33

1,2-Dichloroethane-d4

Concen: 60.079 ug/l

RT: 8.142 min Scan# 110

Delta R.T. -0.001 min

Lab File: VY008944.D

Acq: 21 May 2022 13:06

Instrument :

MSVOA\_Y

ClientSampleId :

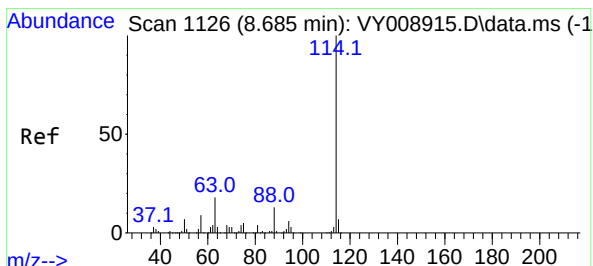
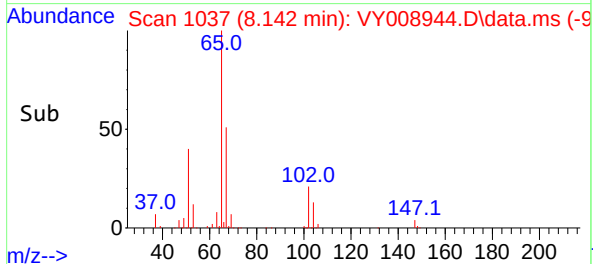
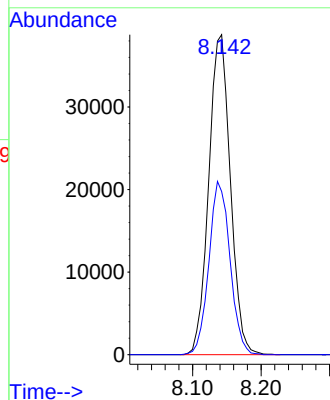
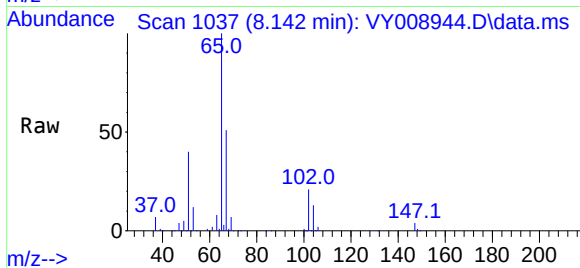
P013-SS002-0006-01

Tgt Ion: 65 Resp: 85133

Ion Ratio Lower Upper

65 100

67 52.9 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY008944.D

Acq: 21 May 2022 13:06

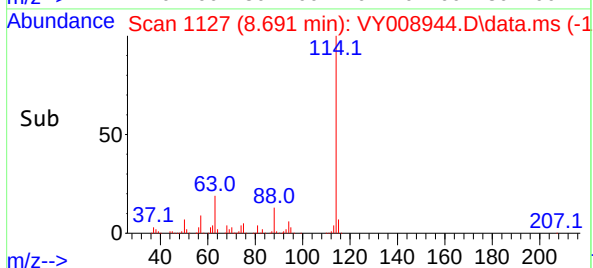
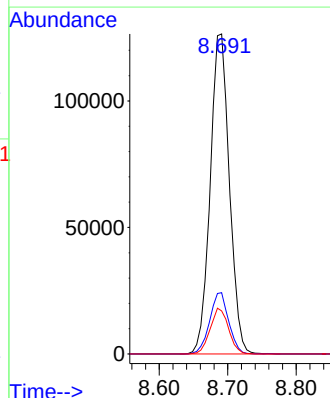
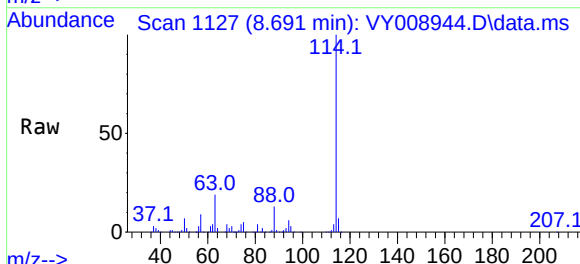
Tgt Ion: 114 Resp: 245943

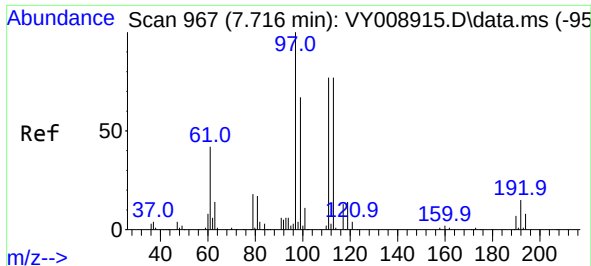
Ion Ratio Lower Upper

114 100

63 19.2 0.0 43.2

88 13.4 0.0 31.8

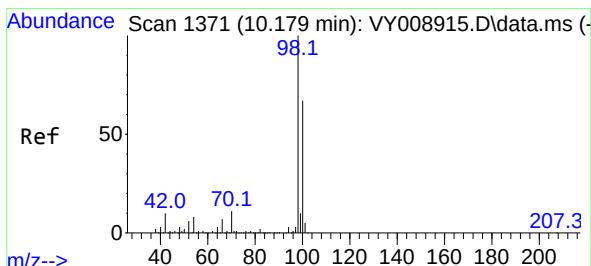
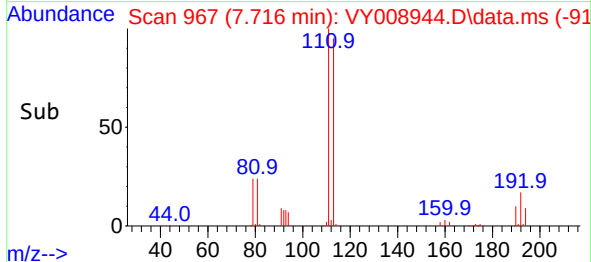
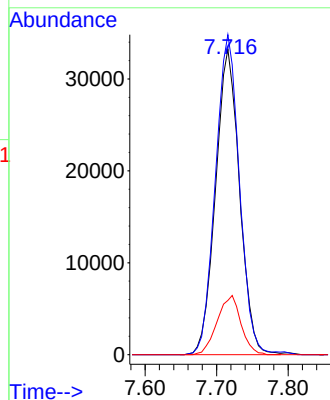
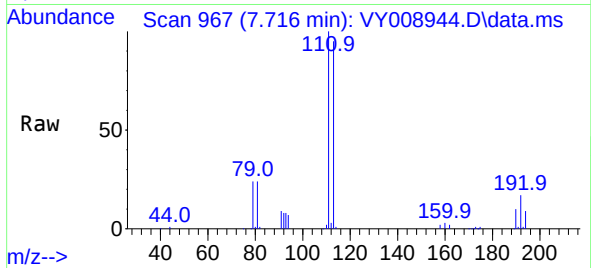




#35  
Dibromofluoromethane  
Concen: 50.645 ug/l  
RT: 7.716 min Scan# 90  
Delta R.T. -0.000 min  
Lab File: VY008944.D  
Acq: 21 May 2022 13:06

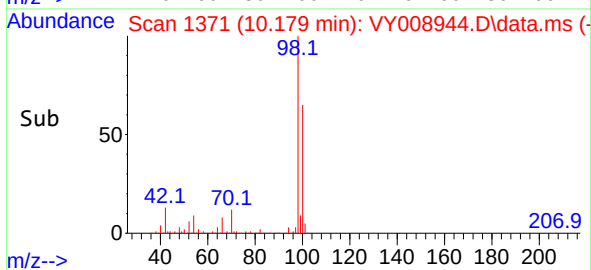
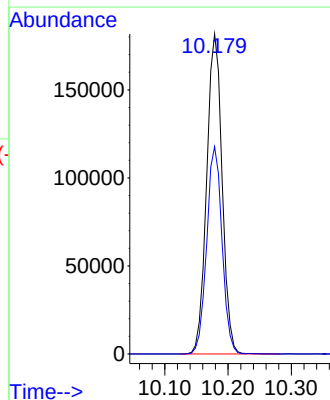
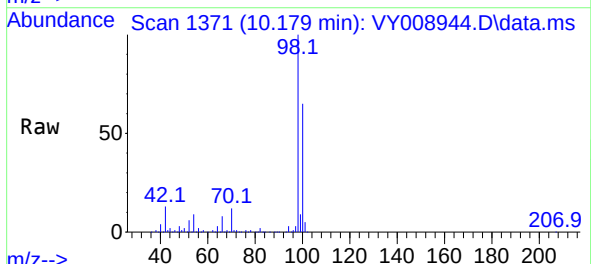
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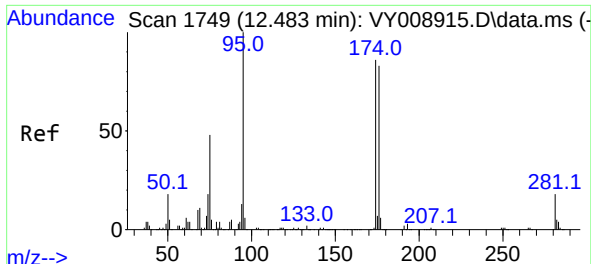
Tgt Ion:113 Resp: 77456  
Ion Ratio Lower Upper  
113 100  
111 105.1 82.6 124.0  
192 19.2 17.6 26.4



#50  
Toluene-d8  
Concen: 54.643 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY008944.D  
Acq: 21 May 2022 13:06

Tgt Ion: 98 Resp: 308300  
Ion Ratio Lower Upper  
98 100  
100 64.4 50.2 75.2

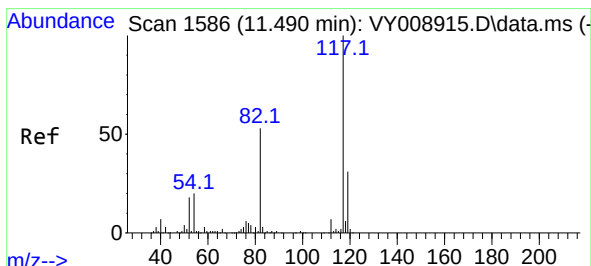
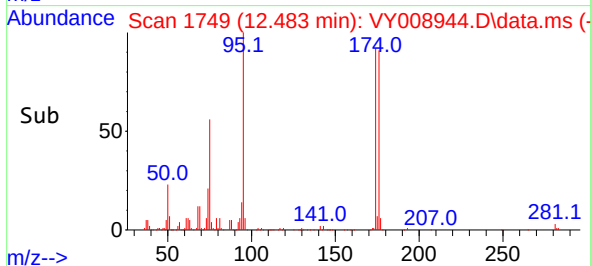
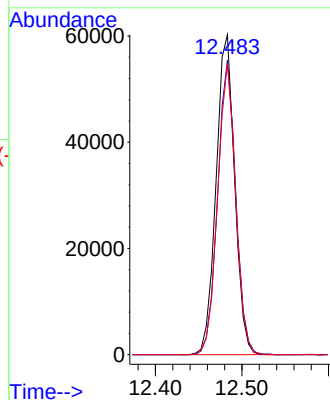
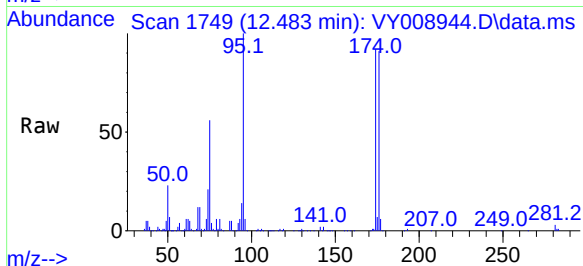




#62  
4-Bromofluorobenzene  
Concen: 39.376 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY008944.D  
Acq: 21 May 2022 13:06

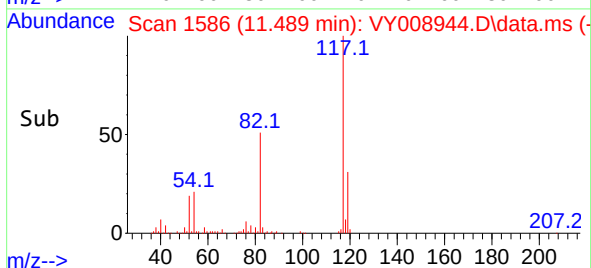
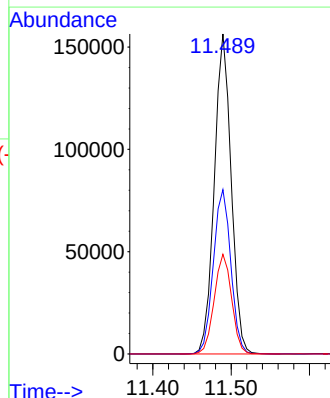
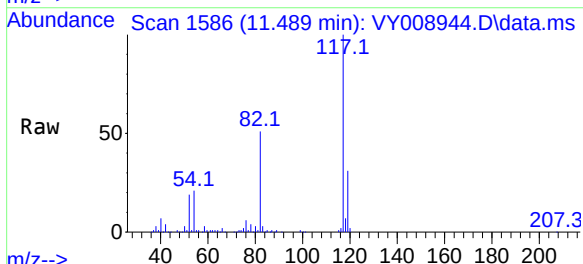
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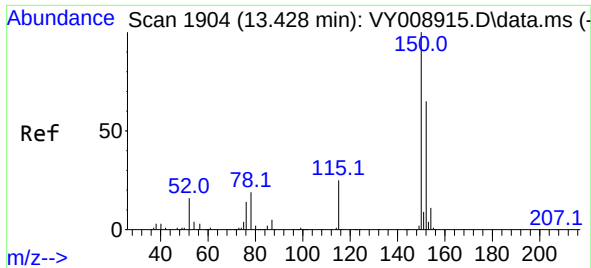
Tgt Ion: 95 Resp: 89619  
Ion Ratio Lower Upper  
95 100  
174 89.8 0.0 177.0  
176 88.6 0.0 175.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. -0.001 min  
Lab File: VY008944.D  
Acq: 21 May 2022 13:06

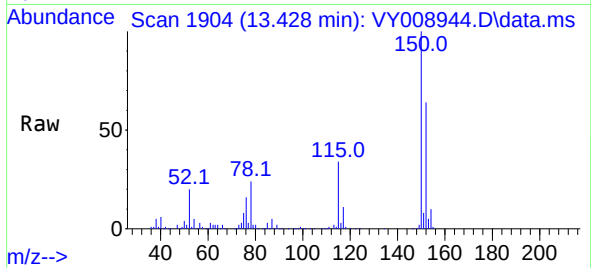
Tgt Ion: 117 Resp: 234242  
Ion Ratio Lower Upper  
117 100  
82 51.4 43.0 64.4  
119 31.1 25.4 38.0





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.428 min Scan# 1904  
 Delta R.T. 0.000 min  
 Lab File: VY008944.D  
 Acq: 21 May 2022 13:06

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 P013-SS002-0006-01



Tgt Ion:152 Resp: 99937

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 56.0  | 28.2  | 84.7  |
| 150 | 158.3 | 0.0   | 347.6 |

