

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102221\  
 Data File : VY006450.D  
 Acq On : 22 Oct 2021 19:32  
 Operator : SY/MD  
 Sample : M4324-02  
 Misc : 5.01G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 FK-SF-02-007-A

Quant Time: Oct 23 07:25:00 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y102221S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Oct 23 06:59:04 2021  
 Response via : Initial Calibration

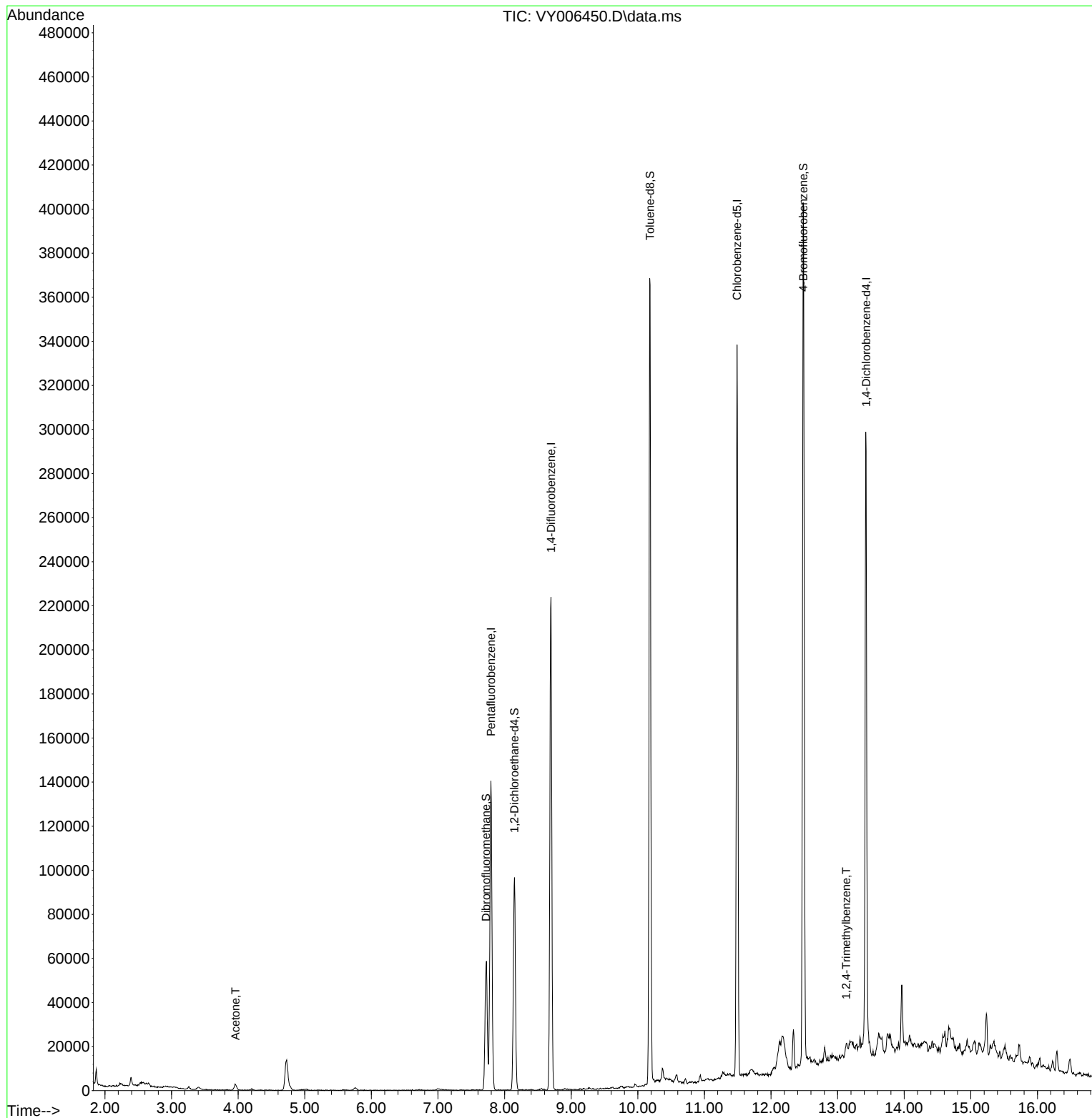
| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 7.795  | 168   | 103623   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.697  | 114   | 179655   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.490 | 117   | 165200   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 64492    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.149  | 65    | 78948    | 61.913   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 123.820% |          |
| 35) Dibromofluoromethane    | 7.722  | 113   | 38870    | 38.818   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 77.640%  |          |
| 50) Toluene-d8              | 10.185 | 98    | 232631   | 54.803   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | = 109.600% |          |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 71103    | 49.725   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | = 99.460%  |          |
| Target Compounds            |        |       |          |          |            |          |
|                             |        |       |          |          | Qvalue     |          |
| 16) Acetone                 | 3.960  | 43    | 4612     | 12.561   | ug/l       | 91       |
| 84) 1,2,4-Trimethylbenzene  | 13.130 | 105   | 4056     | 1.074    | ug/l       | 80       |
| -----                       |        |       |          |          |            |          |

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

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ALS Vial : 20 Sample Multiplier: 1

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ClientSampleId :  
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Quant Title : SW846 8260  
QLast Update : Sat Oct 23 06:59:04 2021  
Response via : Initial Calibration

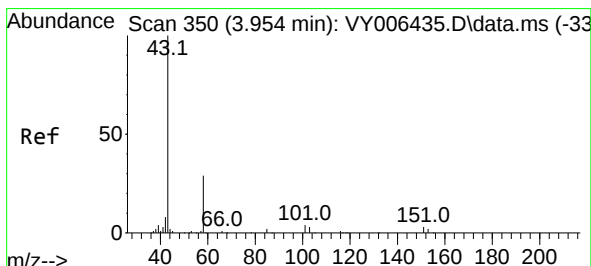
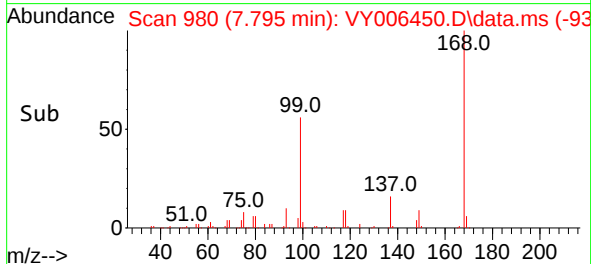
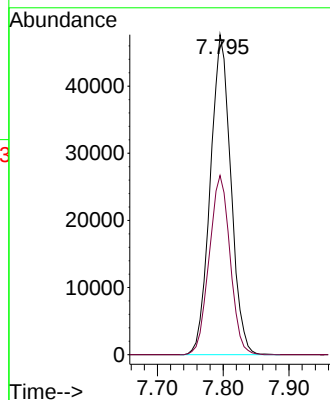
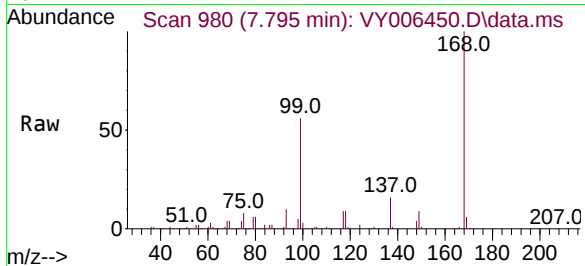




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY006450.D  
Acq: 22 Oct 2021 19:32

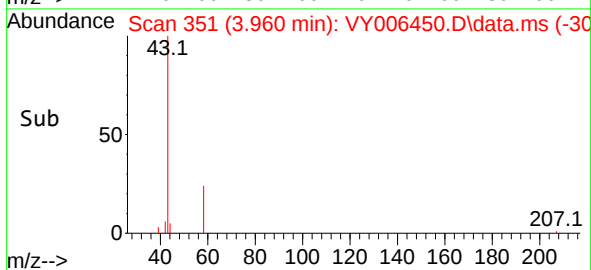
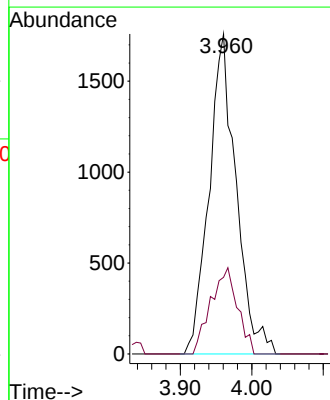
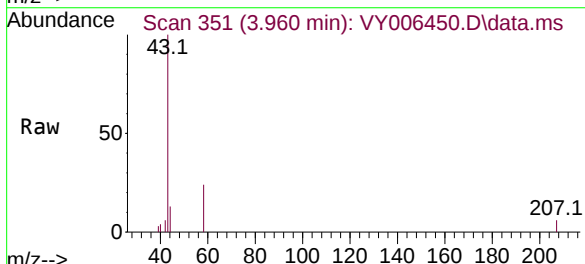
Instrument :  
MSVOA\_Y  
ClientSampleId :  
FK-SF-02-007-A

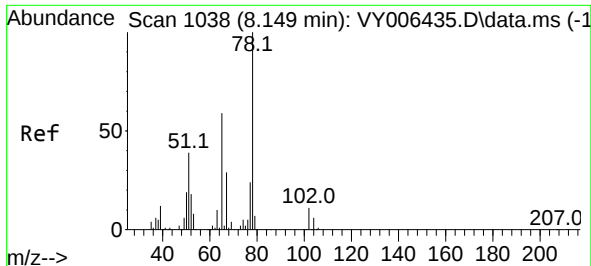
Tgt Ion:168 Resp: 103623  
Ion Ratio Lower Upper  
168 100  
99 56.0 44.8 67.2



#16  
Acetone  
Concen: 12.561 ug/l  
RT: 3.960 min Scan# 351  
Delta R.T. 0.006 min  
Lab File: VY006450.D  
Acq: 22 Oct 2021 19:32

Tgt Ion: 43 Resp: 4612  
Ion Ratio Lower Upper  
43 100  
58 23.9 22.9 34.3





#33

1,2-Dichloroethane-d4

Concen: 61.913 ug/l

RT: 8.149 min Scan# 1038

Delta R.T. 0.000 min

Lab File: VY006450.D

Acq: 22 Oct 2021 19:32

Instrument :

MSVOA\_Y

ClientSampleId :

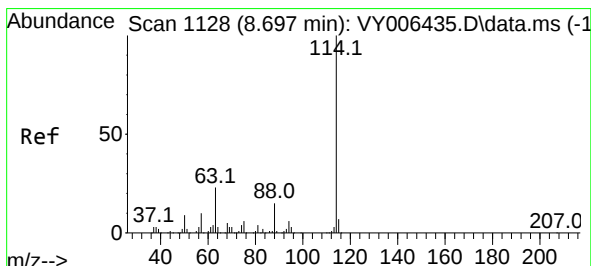
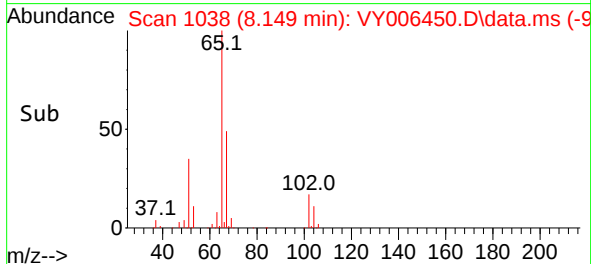
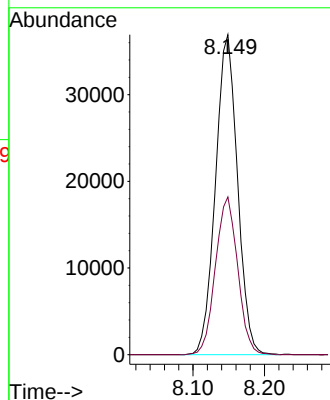
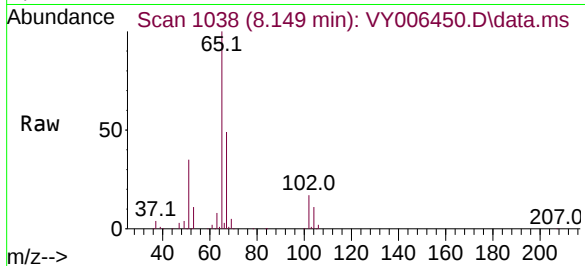
FK-SF-02-007-A

Tgt Ion: 65 Resp: 78948

Ion Ratio Lower Upper

65 100

67 49.8 0.0 98.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.000 min

Lab File: VY006450.D

Acq: 22 Oct 2021 19:32

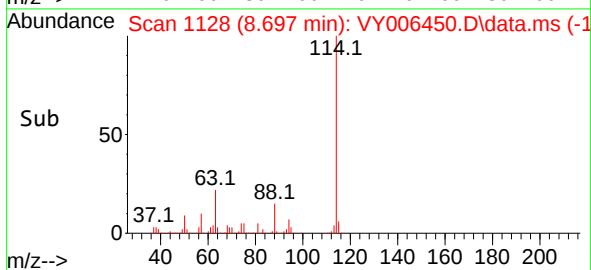
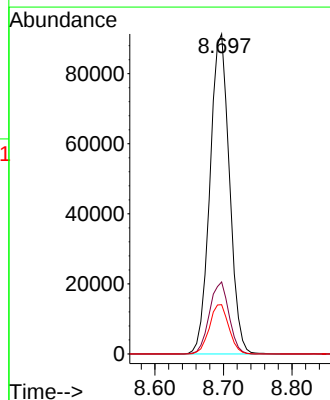
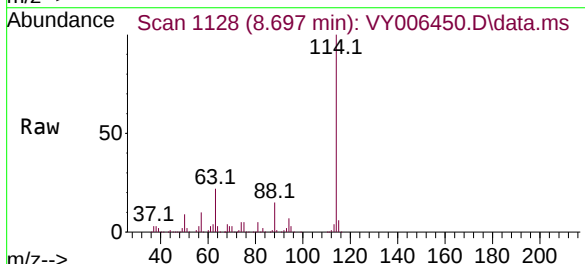
Tgt Ion: 114 Resp: 179655

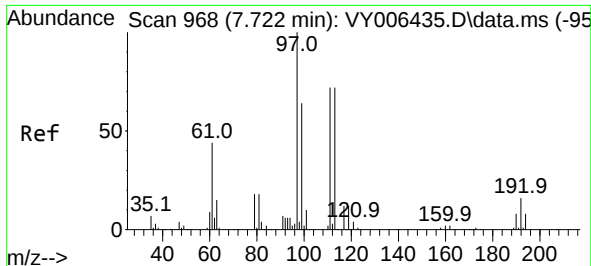
Ion Ratio Lower Upper

114 100

63 22.5 0.0 45.0

88 15.4 0.0 30.6

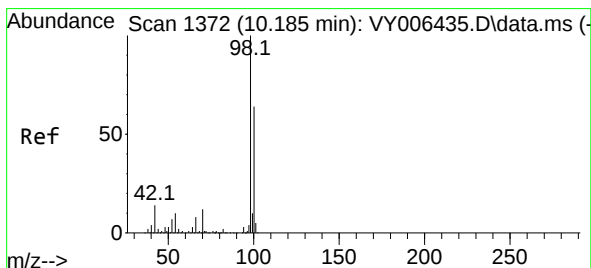
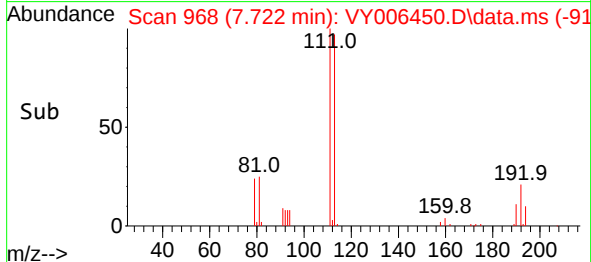
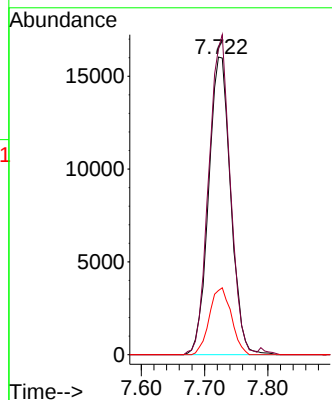
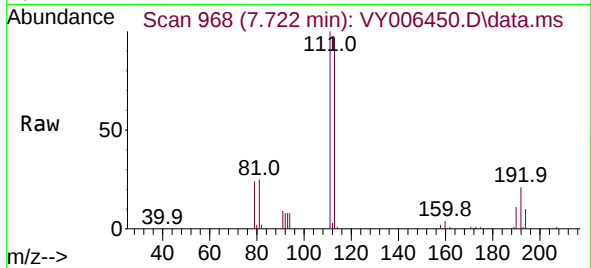




#35  
Dibromofluoromethane  
Concen: 38.818 ug/l  
RT: 7.722 min Scan# 90  
Delta R.T. 0.000 min  
Lab File: VY006450.D  
Acq: 22 Oct 2021 19:32

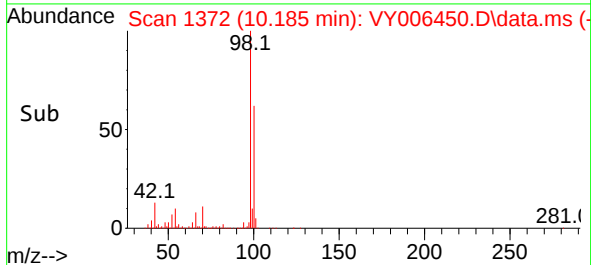
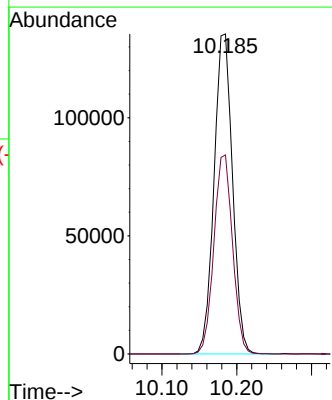
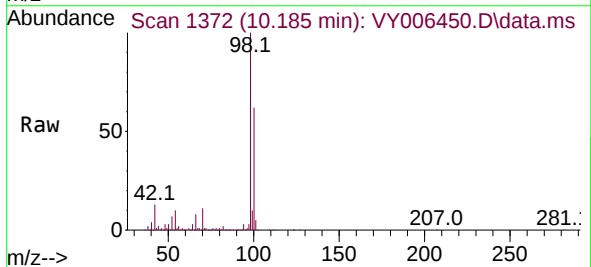
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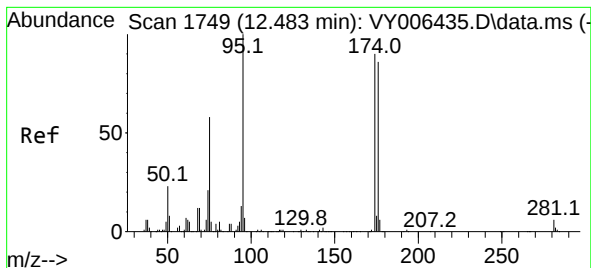
Tgt Ion:113 Resp: 38870  
Ion Ratio Lower Upper  
113 100  
111 104.6 82.3 123.5  
192 22.3 17.4 26.2



#50  
Toluene-d8  
Concen: 54.803 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. 0.000 min  
Lab File: VY006450.D  
Acq: 22 Oct 2021 19:32

Tgt Ion: 98 Resp: 232631  
Ion Ratio Lower Upper  
98 100  
100 62.7 50.9 76.3

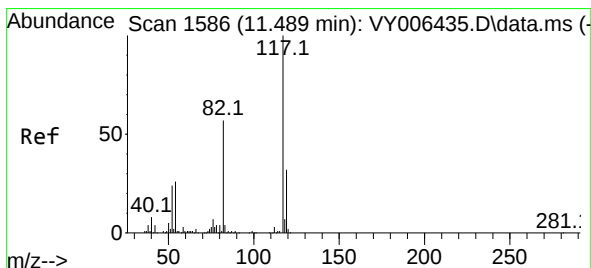
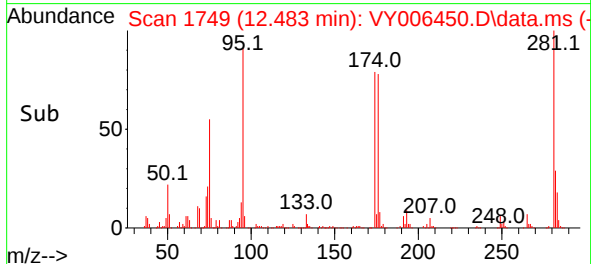
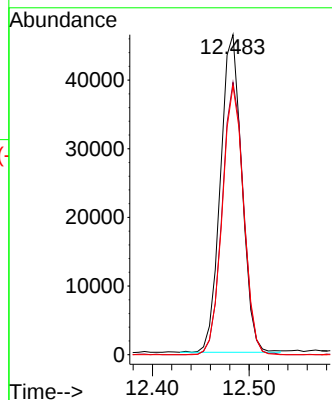
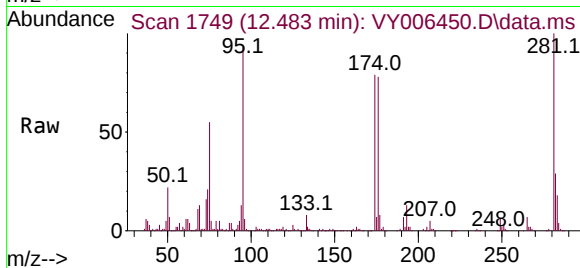




#62  
4-Bromofluorobenzene  
Concen: 49.725 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY006450.D  
Acq: 22 Oct 2021 19:32

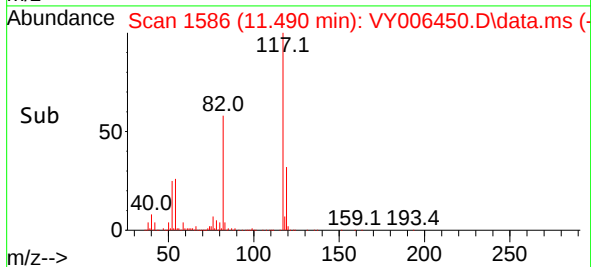
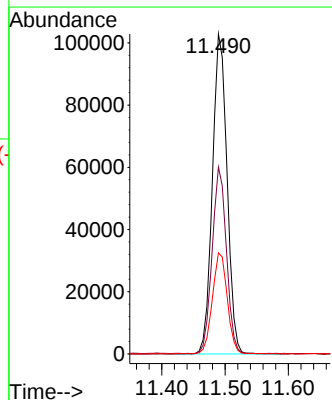
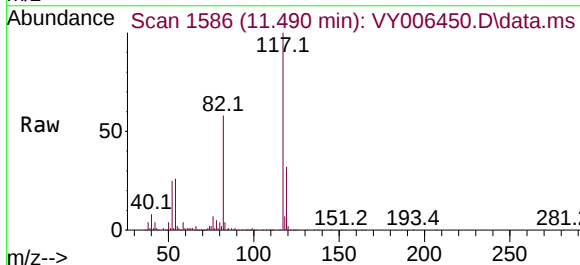
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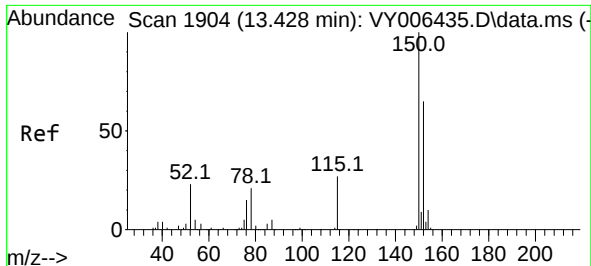
Tgt Ion: 95 Resp: 71103  
Ion Ratio Lower Upper  
95 100  
174 85.5 0.0 177.0  
176 84.1 0.0 169.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. 0.000 min  
Lab File: VY006450.D  
Acq: 22 Oct 2021 19:32

Tgt Ion: 117 Resp: 165200  
Ion Ratio Lower Upper  
117 100  
82 58.3 45.7 68.5  
119 31.5 25.5 38.3

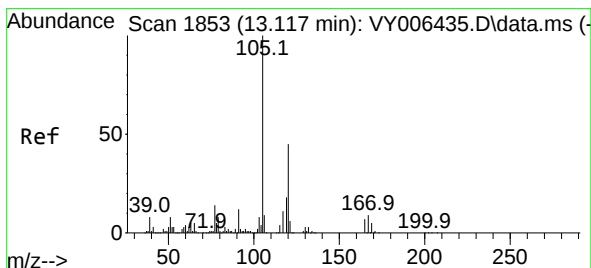
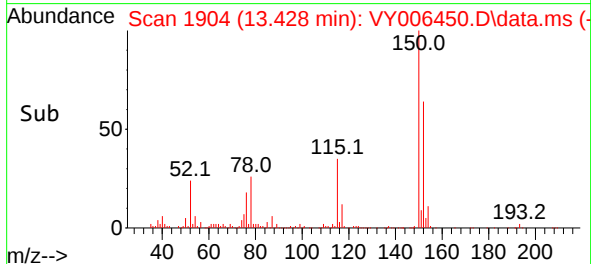
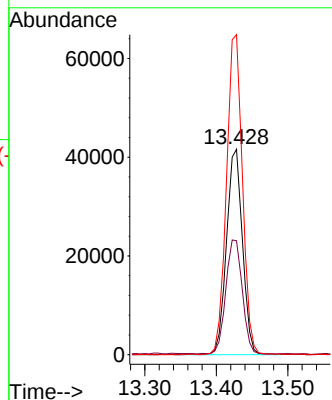
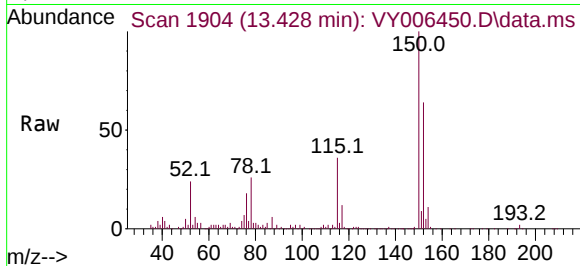




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.428 min Scan# 1904  
 Delta R.T. 0.000 min  
 Lab File: VY006450.D  
 Acq: 22 Oct 2021 19:32

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 FK-SF-02-007-A

Tgt Ion:152 Resp: 64492  
 Ion Ratio Lower Upper  
 152 100  
 115 57.5 28.5 85.5  
 150 155.2 0.0 348.2



#84  
 1,2,4-Trimethylbenzene  
 Concen: 1.074 ug/l  
 RT: 13.130 min Scan# 1855  
 Delta R.T. 0.012 min  
 Lab File: VY006450.D  
 Acq: 22 Oct 2021 19:32

Tgt Ion:105 Resp: 4056  
 Ion Ratio Lower Upper  
 105 100  
 120 31.9 22.6 67.8

