

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY072922\  
 Data File : VY009773.D  
 Acq On : 29 Jul 2022 15:29  
 Operator : KP/MD  
 Sample : N3895-18  
 Misc : 5.07g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 RVE-56

Quant Time: Aug 01 01:13:42 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y072622S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jul 27 04:24:58 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.783  | 168  | 141835   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.685  | 114  | 240641   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.490 | 117  | 249877   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152  | 113111   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.137  | 65    | 55116    | 59.347   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 118.700% |
| 35) Dibromofluoromethane    | 7.710  | 113   | 55080    | 42.085   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 84.160%  |
| 50) Toluene-d8              | 10.179 | 98    | 201971   | 53.265   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 78 - 125 | Recovery | =    | 106.520% |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 61600    | 35.496   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 146 | Recovery | =    | 71.000%  |

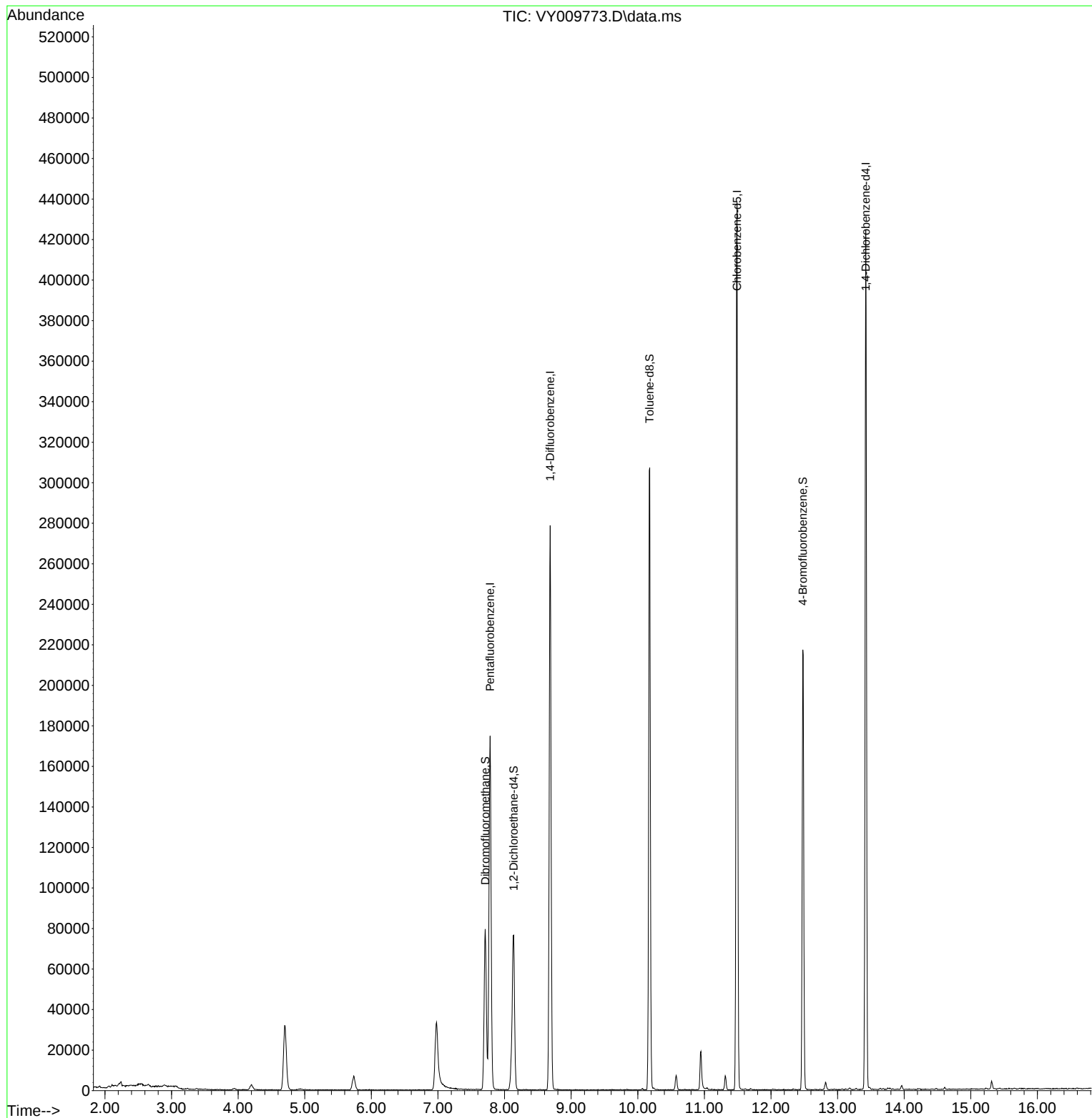
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

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

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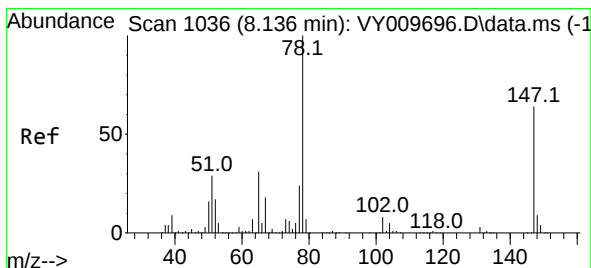
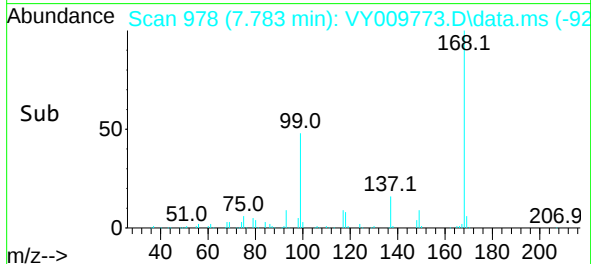
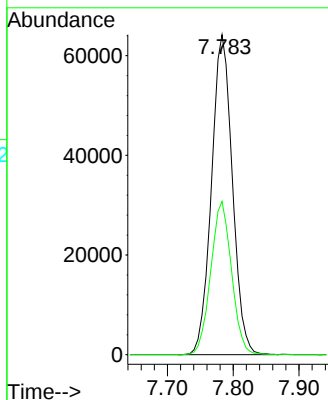
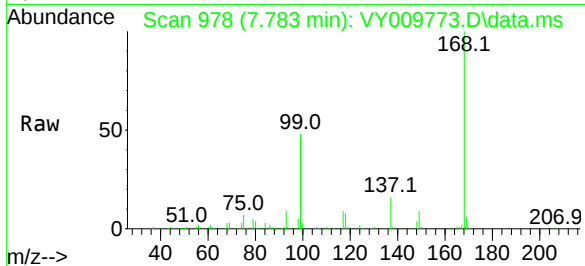




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY009773.D  
Acq: 29 Jul 2022 15:29

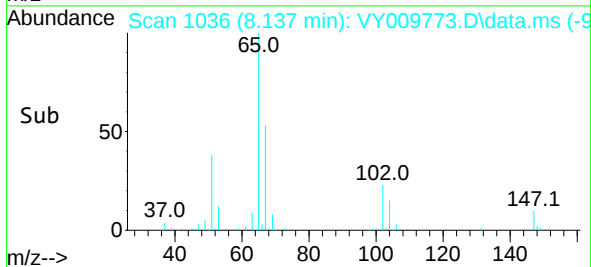
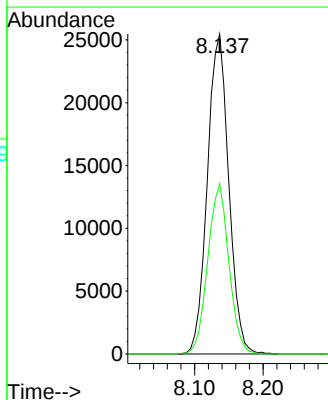
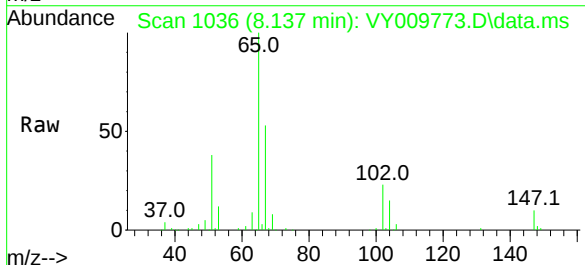
Instrument :  
MSVOA\_Y  
ClientSampleId :  
RVE-56

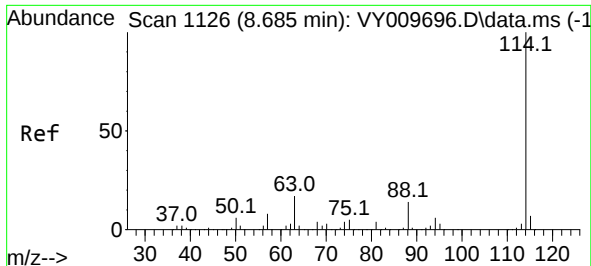
Tgt Ion:168 Resp: 141835  
Ion Ratio Lower Upper  
168 100  
99 47.9 46.9 70.3



#33  
1,2-Dichloroethane-d4  
Concen: 59.347 ug/l  
RT: 8.137 min Scan# 1036  
Delta R.T. 0.001 min  
Lab File: VY009773.D  
Acq: 29 Jul 2022 15:29

Tgt Ion: 65 Resp: 55116  
Ion Ratio Lower Upper  
65 100  
67 52.5 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY009773.D

Acq: 29 Jul 2022 15:29

Instrument :

MSVOA\_Y

ClientSampleId :

RVE-56

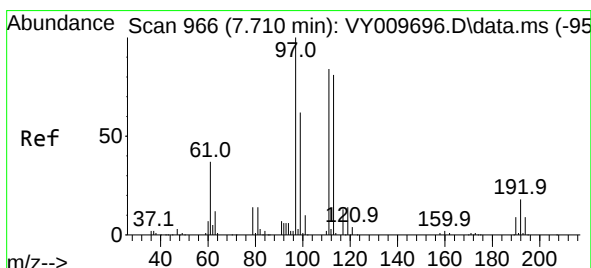
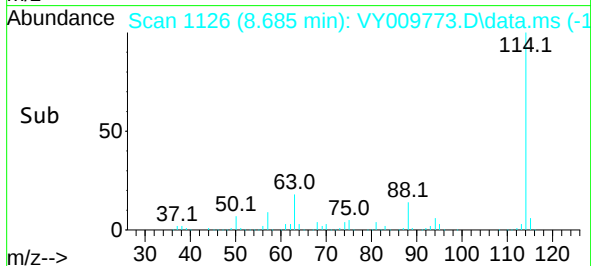
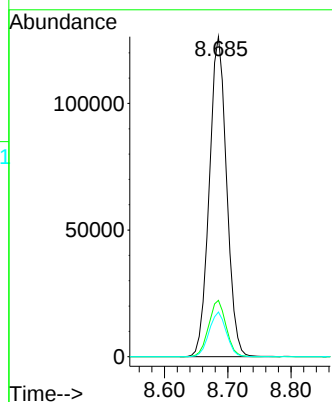
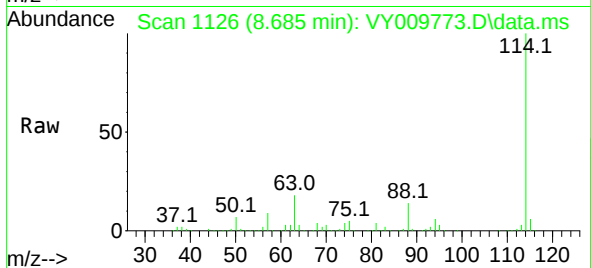
Tgt Ion:114 Resp: 240641

Ion Ratio Lower Upper

114 100

63 17.6 0.0 43.2

88 14.0 0.0 31.8



#35

Dibromofluoromethane

Concen: 42.085 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY009773.D

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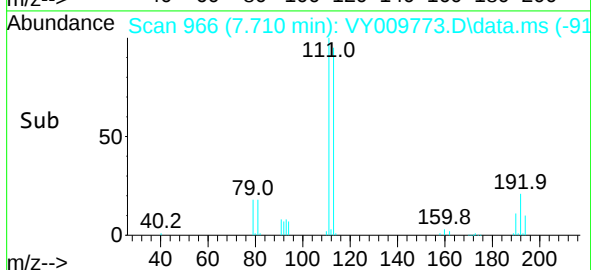
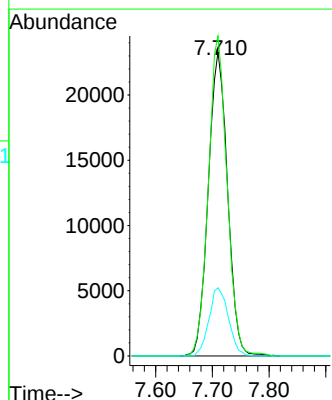
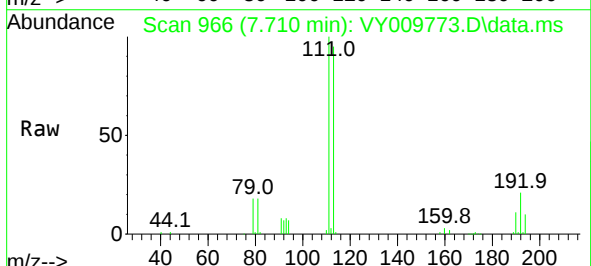
Tgt Ion:113 Resp: 55080

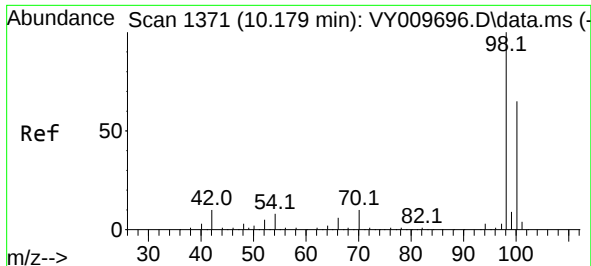
Ion Ratio Lower Upper

113 100

111 102.2 82.6 124.0

192 22.6 17.6 26.4

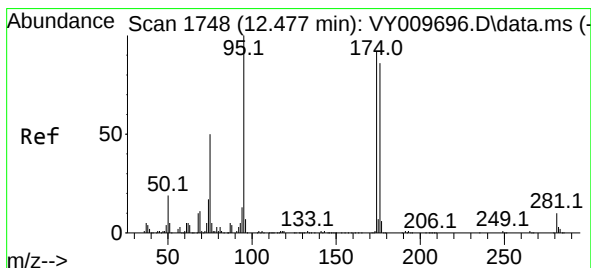
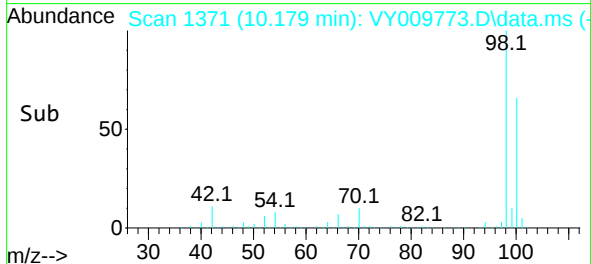
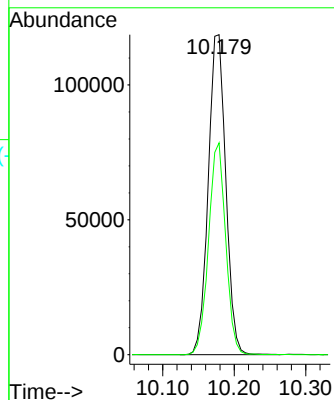
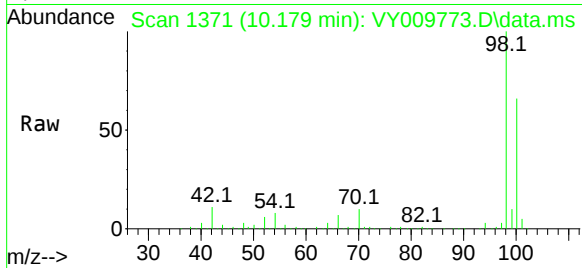




#50  
Toluene-d8  
Concen: 53.265 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY009773.D  
Acq: 29 Jul 2022 15:29

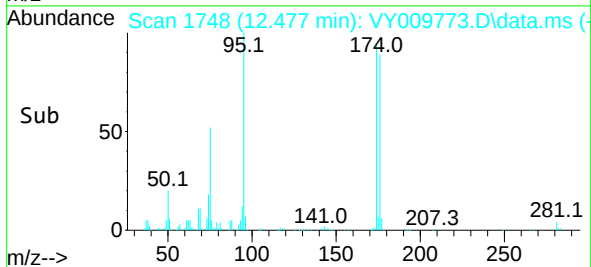
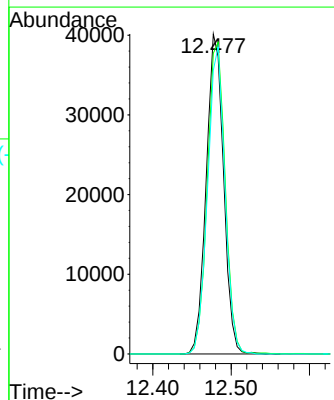
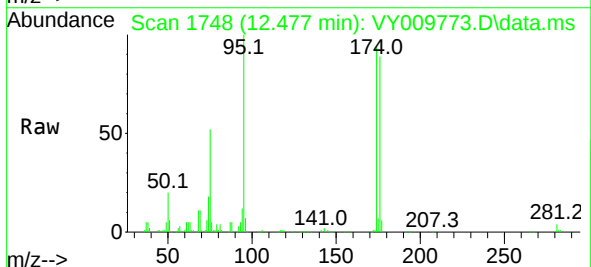
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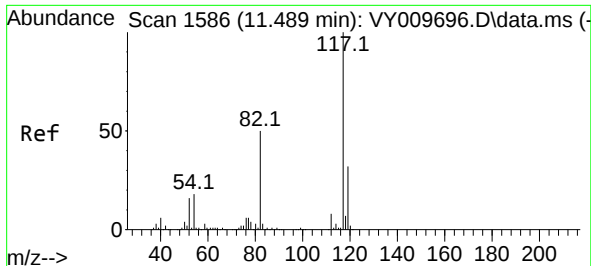
Tgt Ion: 98 Resp: 201971  
Ion Ratio Lower Upper  
98 100  
100 64.6 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 35.496 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.000 min  
Lab File: VY009773.D  
Acq: 29 Jul 2022 15:29

Tgt Ion: 95 Resp: 61600  
Ion Ratio Lower Upper  
95 100  
174 100.4 0.0 177.0  
176 95.7 0.0 175.8

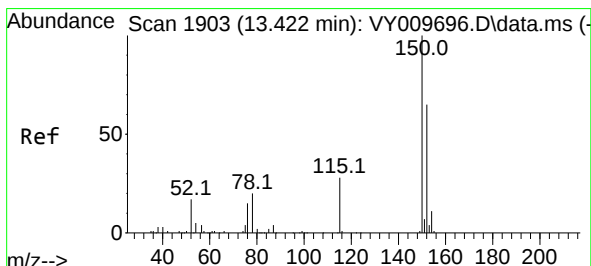
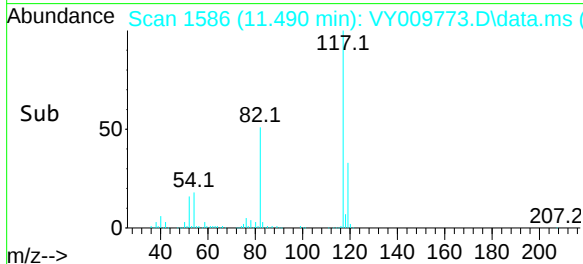
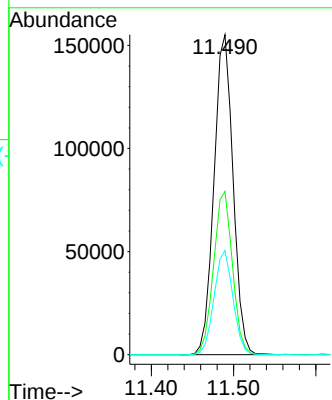
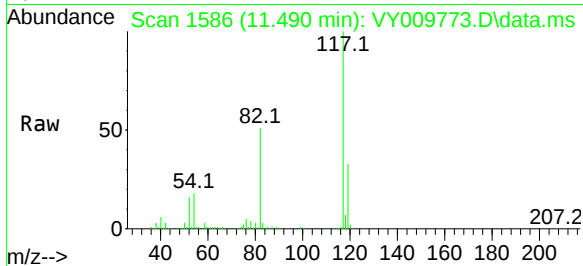




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 117  
Delta R.T. 0.001 min  
Lab File: VY009773.D  
Acq: 29 Jul 2022 15:29

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RVE-56

Tgt Ion:117 Resp: 249877  
Ion Ratio Lower Upper  
117 100  
82 51.0 43.0 64.4  
119 32.5 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. 0.000 min  
Lab File: VY009773.D  
Acq: 29 Jul 2022 15:29

Tgt Ion:152 Resp: 113111  
Ion Ratio Lower Upper  
152 100  
115 53.8 28.2 84.7  
150 157.9 0.0 347.6

