

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX101922\  
 Data File : VX032235.D  
 Acq On : 20 Oct 2022 02:37  
 Operator : JC/MD  
 Sample : N5176-02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 42 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 5236-2

Quant Time: Oct 20 05:25:27 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X101922W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 19 16:51:09 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.556  | 168  | 134416   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.763  | 114  | 223126   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.055 | 117  | 194553   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152  | 89408    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 5.958  | 65    | 94581    | 54.089   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =    | 108.180% |
| 35) Dibromofluoromethane    | 5.385  | 113   | 73096    | 47.078   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 94.160%  |
| 50) Toluene-d8              | 8.647  | 98    | 263044   | 47.064   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =    | 94.120%  |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 94520    | 46.183   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 92.360%  |

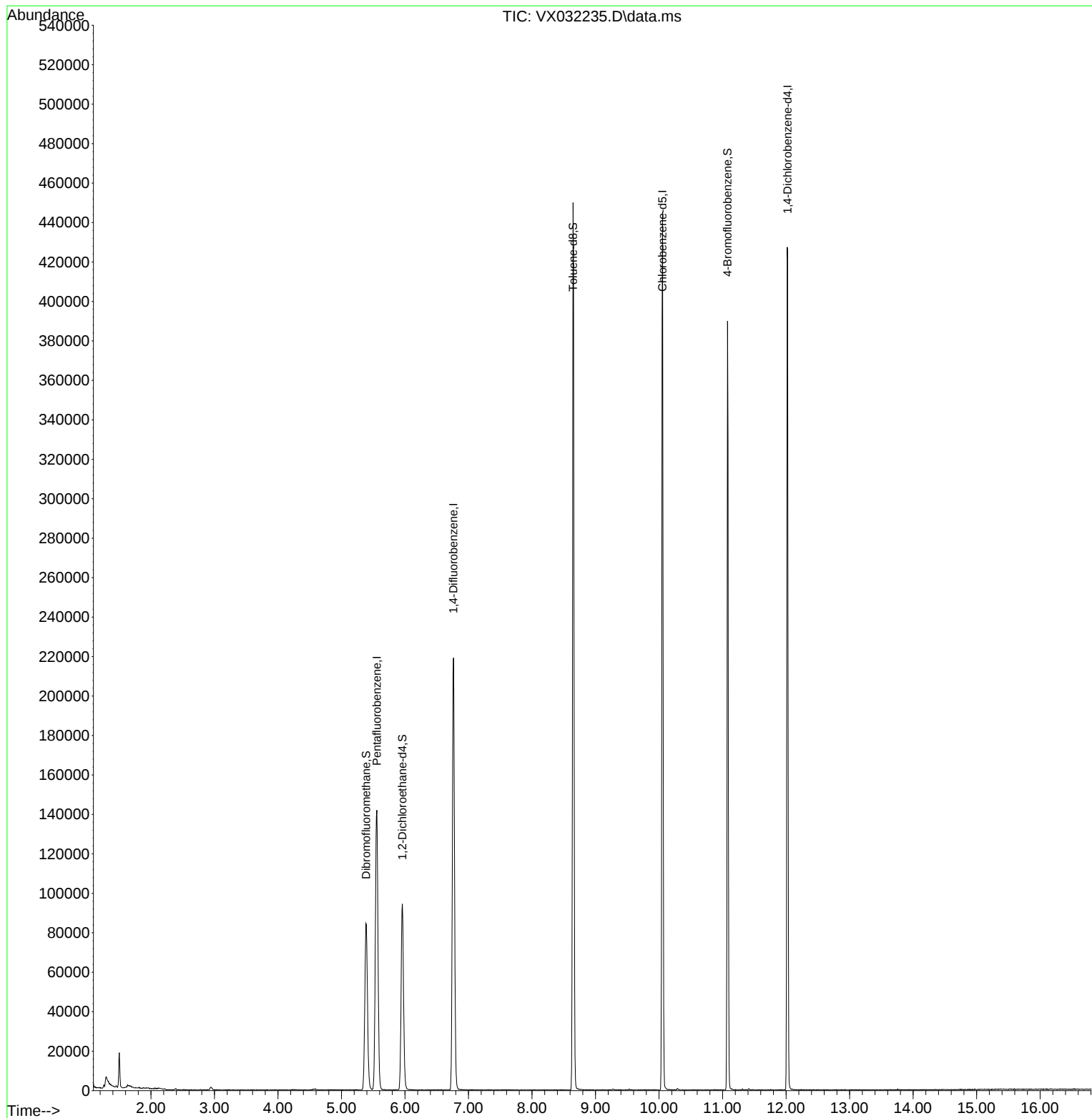
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

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

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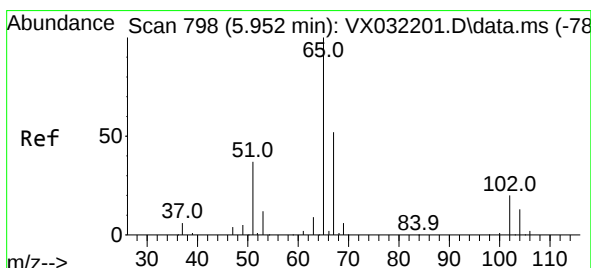
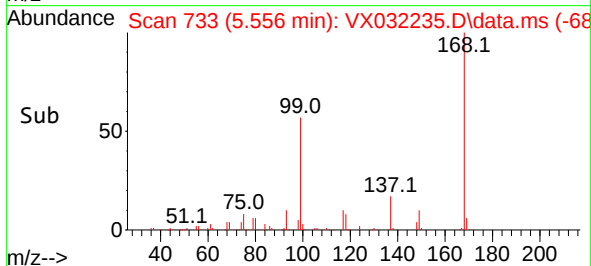
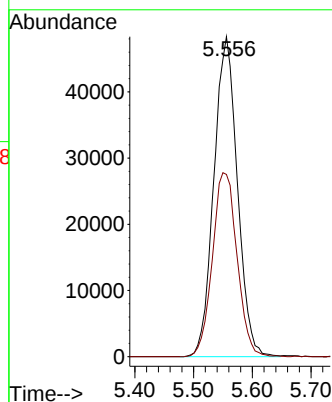
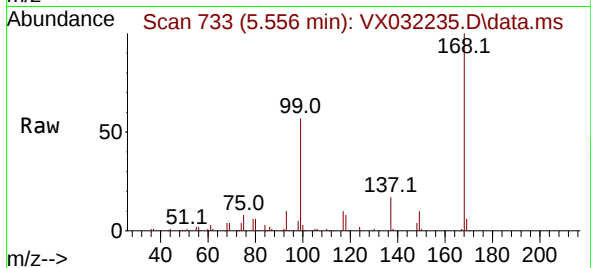




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 713  
Delta R.T. -0.000 min  
Lab File: VX032235.D  
Acq: 20 Oct 2022 02:37

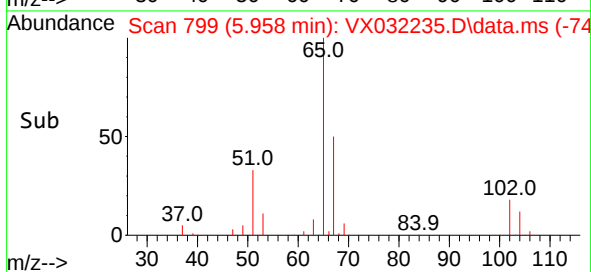
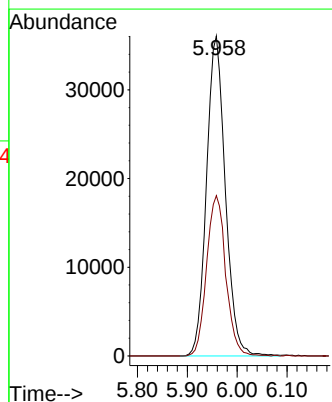
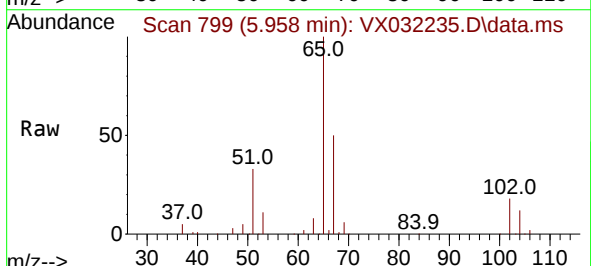
Instrument :  
MSVOA\_X  
ClientSampleId :  
5236-2

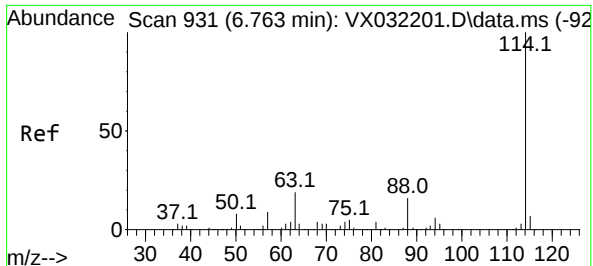
Tgt Ion:168 Resp: 134416  
Ion Ratio Lower Upper  
168 100  
99 57.0 44.8 67.2



#33  
1,2-Dichloroethane-d4  
Concen: 54.089 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. 0.006 min  
Lab File: VX032235.D  
Acq: 20 Oct 2022 02:37

Tgt Ion: 65 Resp: 94581  
Ion Ratio Lower Upper  
65 100  
67 51.0 0.0 103.6

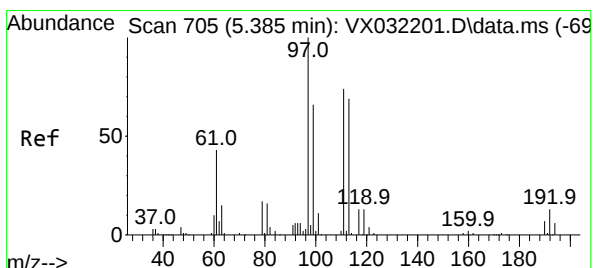
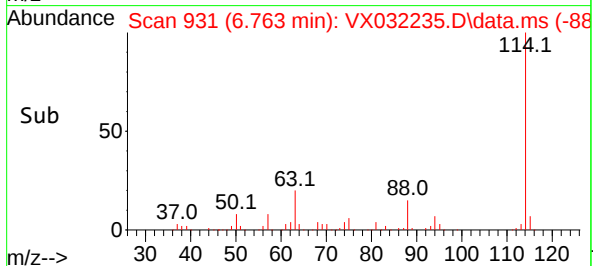
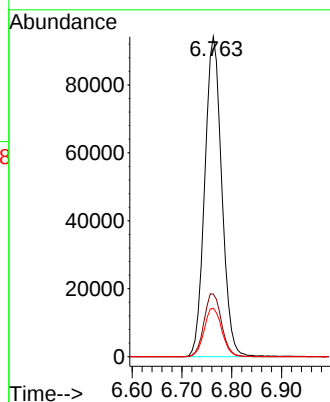
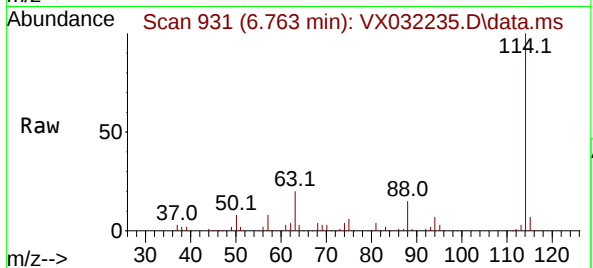




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 911  
Delta R.T. 0.000 min  
Lab File: VX032235.D  
Acq: 20 Oct 2022 02:37

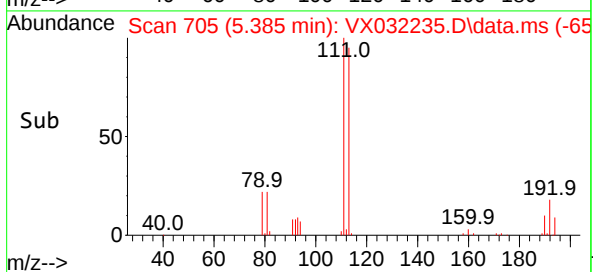
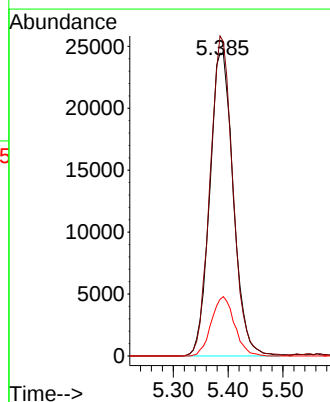
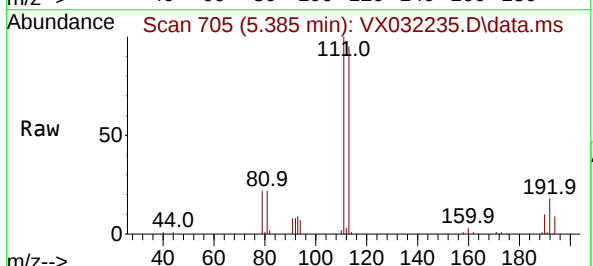
Instrument :  
MSVOA\_X  
ClientSampleId :  
5236-2

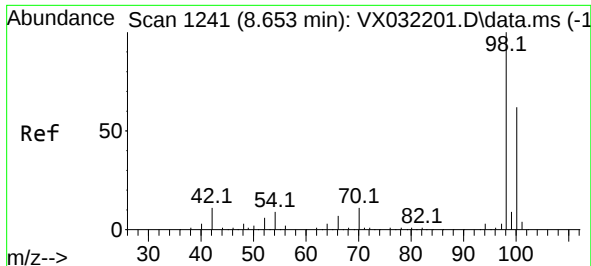
Tgt Ion:114 Resp: 223126  
Ion Ratio Lower Upper  
114 100  
63 19.5 0.0 38.6  
88 15.1 0.0 32.6



#35  
Dibromofluoromethane  
Concen: 47.078 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX032235.D  
Acq: 20 Oct 2022 02:37

Tgt Ion:113 Resp: 73096  
Ion Ratio Lower Upper  
113 100  
111 102.1 82.8 124.2  
192 19.2 15.5 23.3





#50

Toluene-d8

Concen: 47.064 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX032235.D

Acq: 20 Oct 2022 02:37

Instrument :

MSVOA\_X

ClientSampleId :

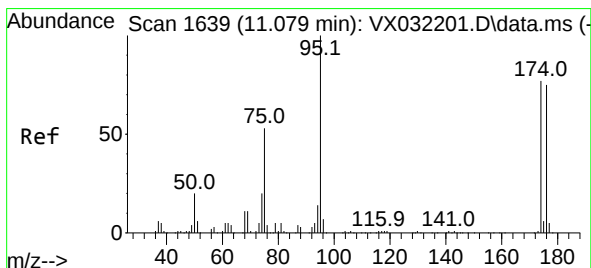
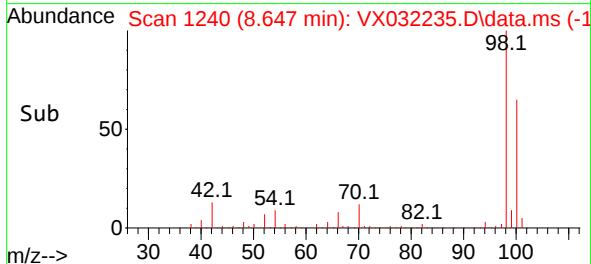
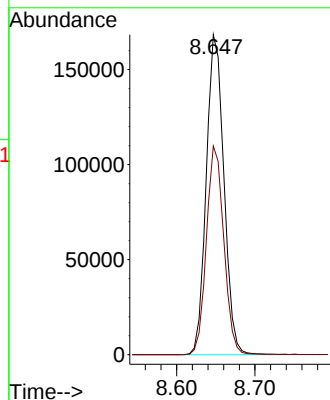
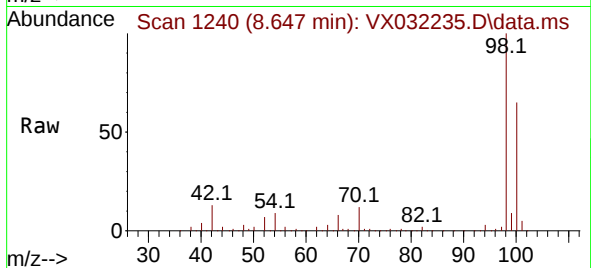
5236-2

Tgt Ion: 98 Resp: 263044

Ion Ratio Lower Upper

98 100

100 64.4 50.7 76.1



#62

4-Bromofluorobenzene

Concen: 46.183 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX032235.D

Acq: 20 Oct 2022 02:37

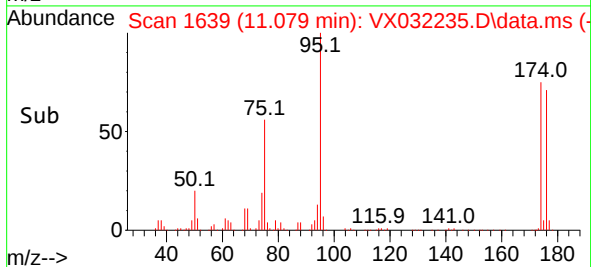
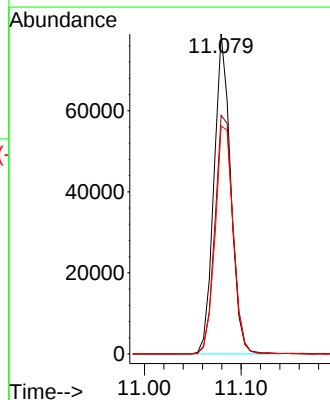
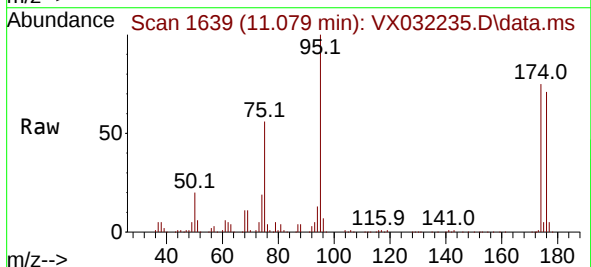
Tgt Ion: 95 Resp: 94520

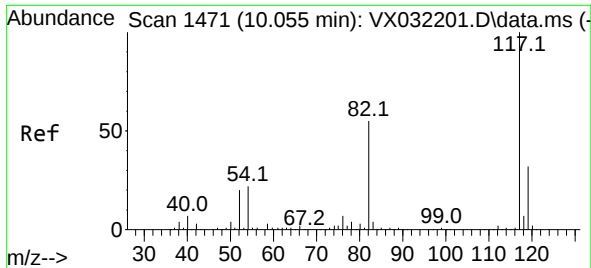
Ion Ratio Lower Upper

95 100

174 80.7 0.0 166.8

176 77.3 0.0 161.4

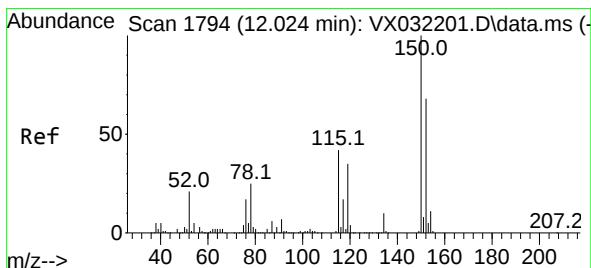
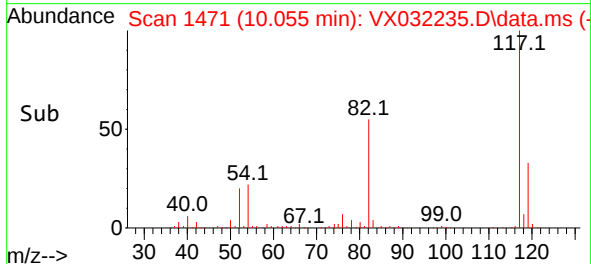
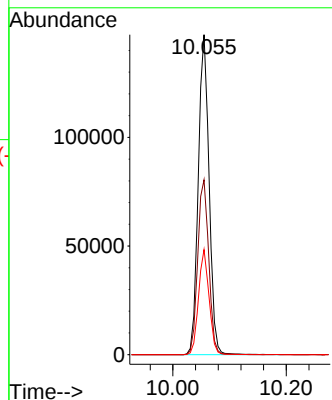
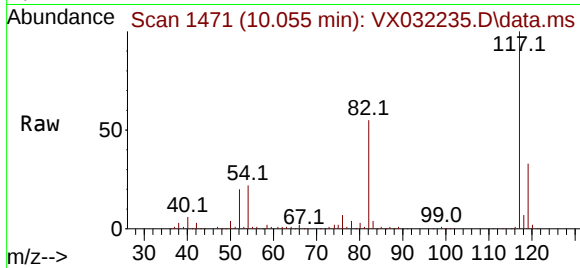




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX032235.D  
Acq: 20 Oct 2022 02:37

Instrument :  
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ClientSampleId :  
5236-2

Tgt Ion:117 Resp: 194553  
Ion Ratio Lower Upper  
117 100  
82 54.6 44.2 66.4  
119 32.9 25.8 38.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX032235.D  
Acq: 20 Oct 2022 02:37

Tgt Ion:152 Resp: 89408  
Ion Ratio Lower Upper  
152 100  
115 61.4 43.1 129.4  
150 156.6 0.0 348.6

