

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY082224\  
 Data File : VY019239.D  
 Acq On : 23 Aug 2024 00:17  
 Operator : SY/MD  
 Sample : VY0822SBL02  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0822SBL02

Quant Time: Aug 23 02:02:19 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081524S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 16 05:10:30 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.701  | 168  | 131823   | 50.000 | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene    | 8.609  | 114  | 223044   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.420 | 117  | 175648   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152  | 79842    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.055  | 65    | 66408    | 50.255   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 100.500% |
| 35) Dibromofluoromethane    | 7.628  | 113   | 67949    | 46.592   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 93.180%  |
| 50) Toluene-d8              | 10.103 | 98    | 191765   | 36.539   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 73.080%  |
| 62) 4-Bromofluorobenzene    | 12.407 | 95    | 73707    | 41.197   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | =    | 82.400%  |

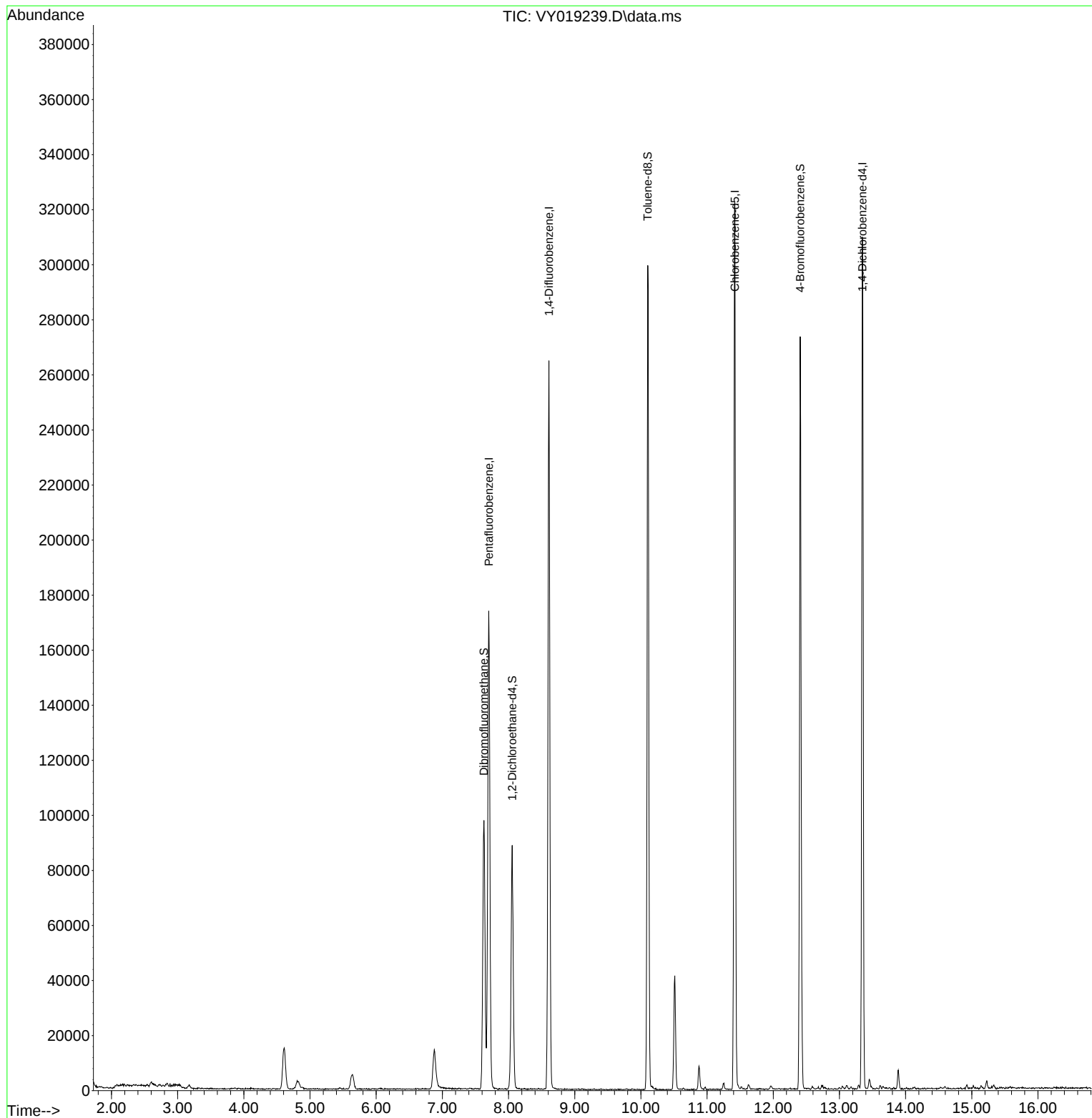
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

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

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Instrument :  
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Quant Title : SW846 8260  
QLast Update : Fri Aug 16 05:10:30 2024  
Response via : Initial Calibration

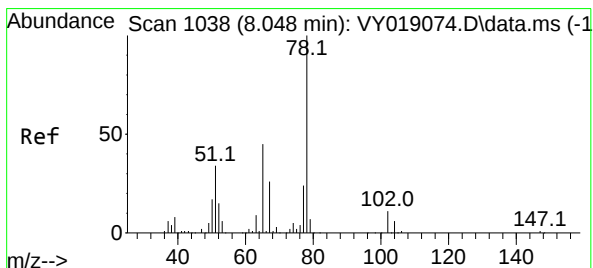
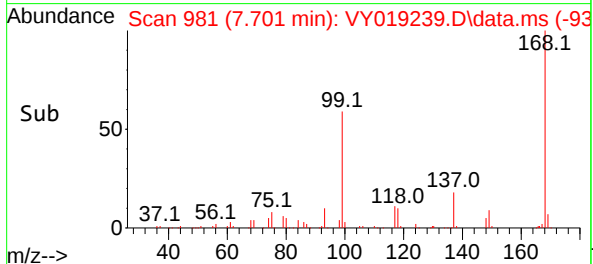
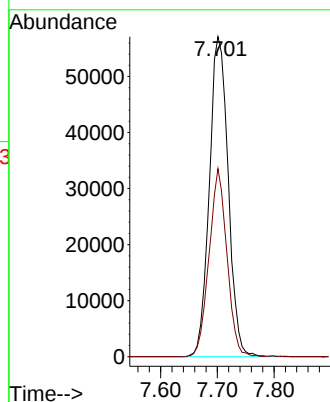
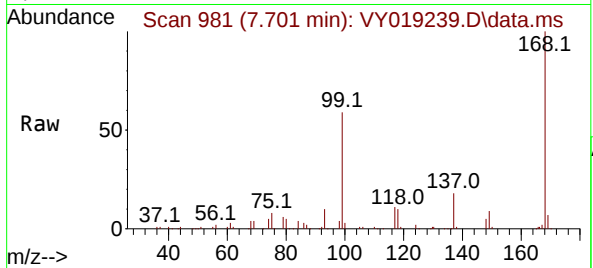




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.701 min Scan# 981  
Delta R.T. 0.006 min  
Lab File: VY019239.D  
Acq: 23 Aug 2024 00:17

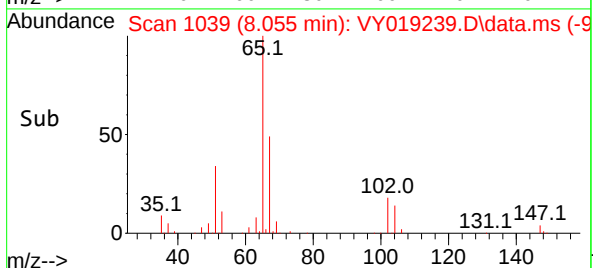
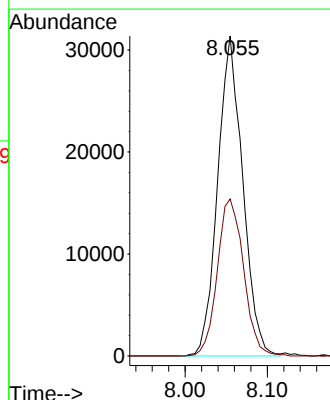
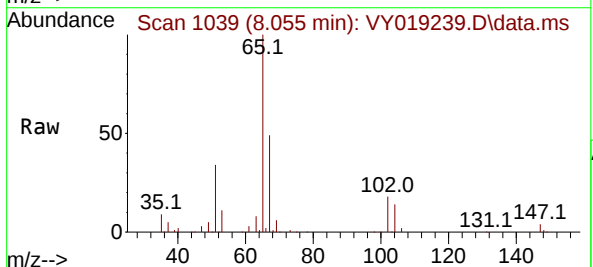
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0822SBL02

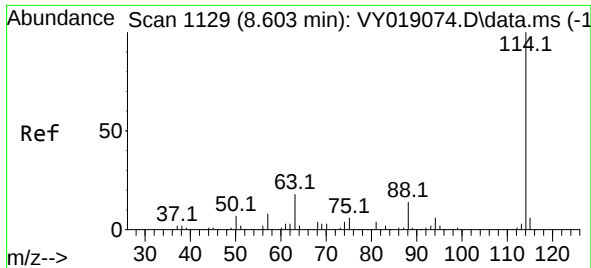
Tgt Ion:168 Resp: 131823  
Ion Ratio Lower Upper  
168 100  
99 58.8 39.1 58.7#



#33  
1,2-Dichloroethane-d4  
Concen: 50.255 ug/l  
RT: 8.055 min Scan# 1039  
Delta R.T. 0.006 min  
Lab File: VY019239.D  
Acq: 23 Aug 2024 00:17

Tgt Ion: 65 Resp: 66408  
Ion Ratio Lower Upper  
65 100  
67 51.4 0.0 109.6

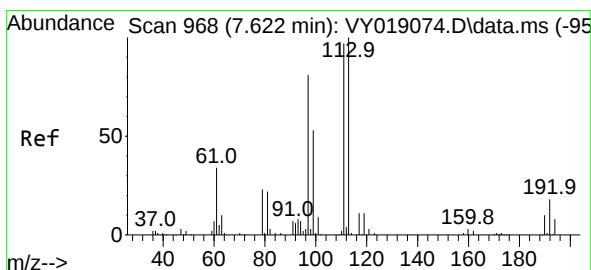
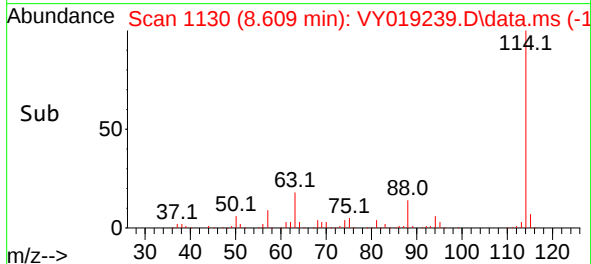
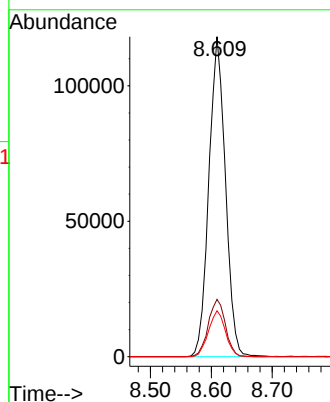
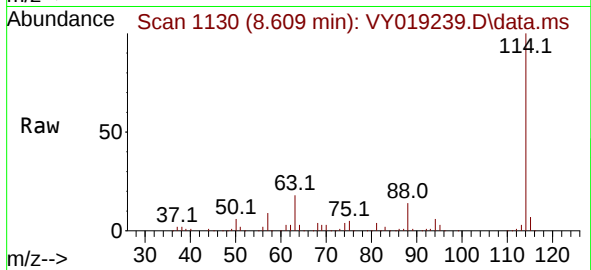




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.609 min Scan# 1129  
Delta R.T. 0.006 min  
Lab File: VY019239.D  
Acq: 23 Aug 2024 00:17

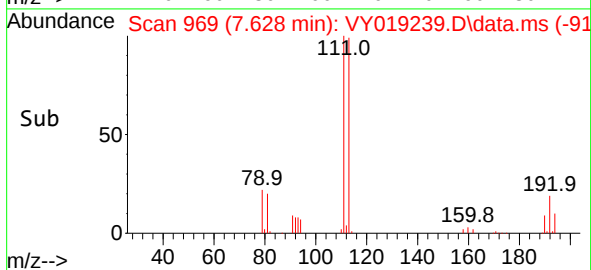
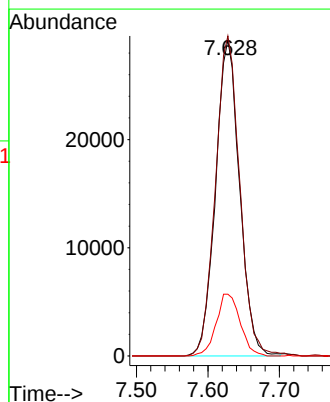
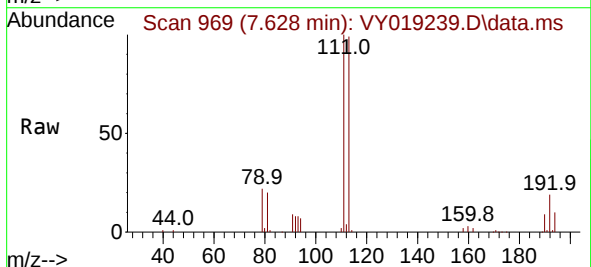
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0822SBL02

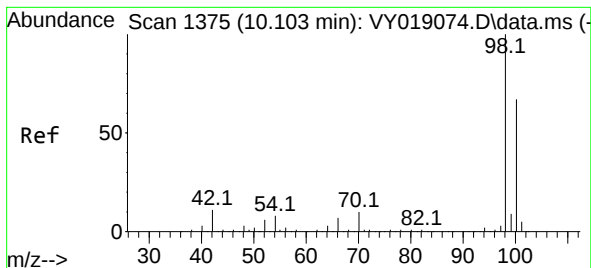
Tgt Ion:114 Resp: 223044  
Ion Ratio Lower Upper  
114 100  
63 17.9 0.0 35.0  
88 14.3 0.0 27.2



#35  
Dibromofluoromethane  
Concen: 46.592 ug/l  
RT: 7.628 min Scan# 969  
Delta R.T. 0.006 min  
Lab File: VY019239.D  
Acq: 23 Aug 2024 00:17

Tgt Ion:113 Resp: 67949  
Ion Ratio Lower Upper  
113 100  
111 102.6 82.2 123.4  
192 19.6 15.9 23.9

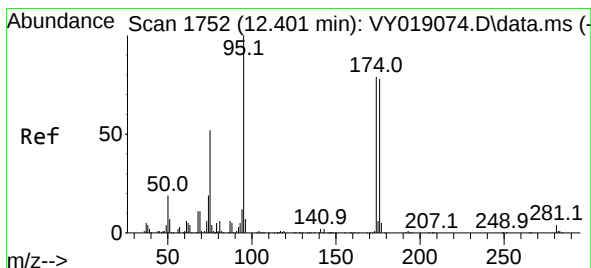
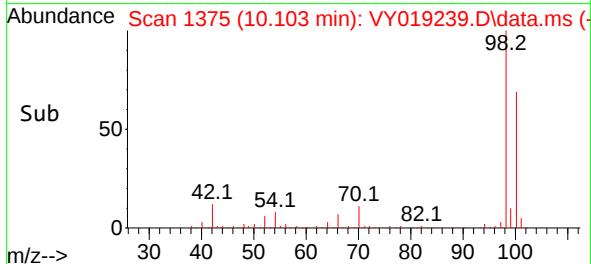
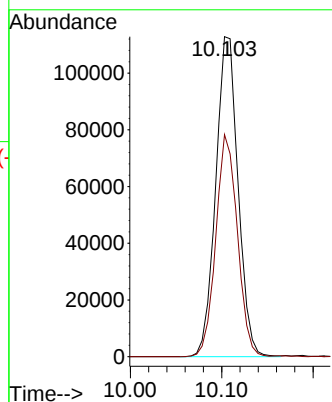
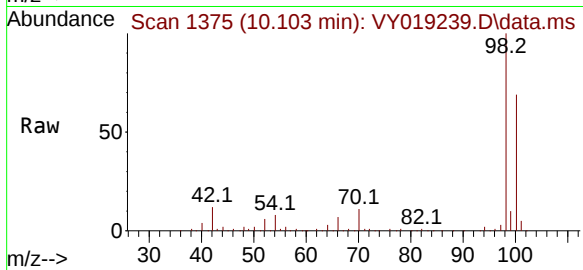




#50  
Toluene-d8  
Concen: 36.539 ug/l  
RT: 10.103 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY019239.D  
Acq: 23 Aug 2024 00:17

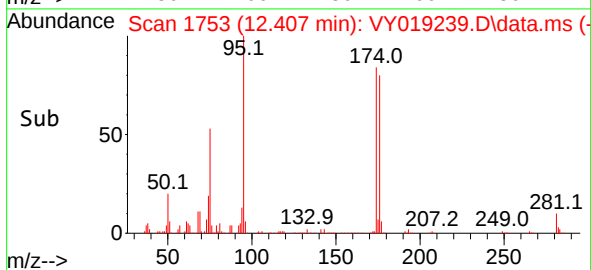
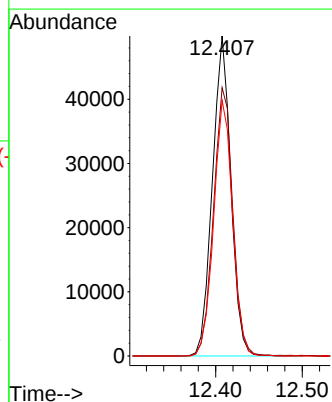
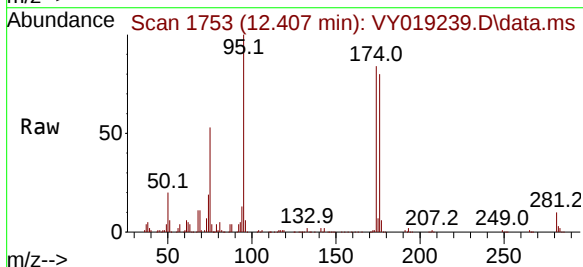
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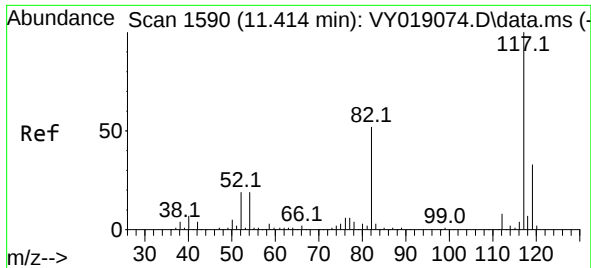
Tgt Ion: 98 Resp: 191765  
Ion Ratio Lower Upper  
98 100  
100 67.0 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 41.197 ug/l  
RT: 12.407 min Scan# 1753  
Delta R.T. 0.006 min  
Lab File: VY019239.D  
Acq: 23 Aug 2024 00:17

Tgt Ion: 95 Resp: 73707  
Ion Ratio Lower Upper  
95 100  
174 87.7 0.0 175.6  
176 81.9 0.0 171.4

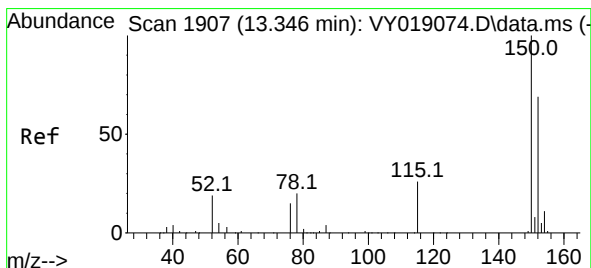
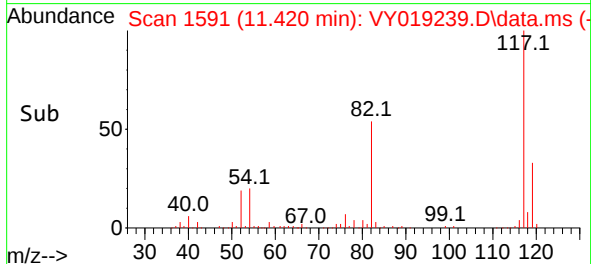
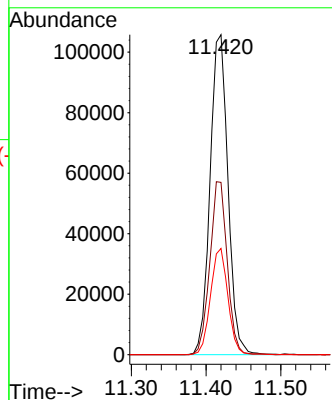
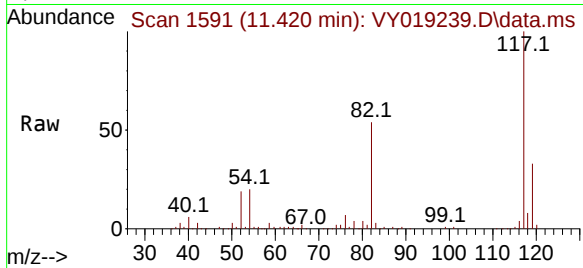




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.420 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY019239.D  
Acq: 23 Aug 2024 00:17

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0822SBL02

Tgt Ion:117 Resp: 175648  
Ion Ratio Lower Upper  
117 100  
82 53.9 42.4 63.6  
119 33.2 25.9 38.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.346 min Scan# 1907  
Delta R.T. 0.000 min  
Lab File: VY019239.D  
Acq: 23 Aug 2024 00:17

Tgt Ion:152 Resp: 79842  
Ion Ratio Lower Upper  
152 100  
115 56.3 28.2 84.7  
150 154.7 0.0 345.6

