

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011720\  
 Data File : VY001279.D  
 Acq On : 17 Jan 2020 20:31  
 Operator : SY/MD  
 Sample : L1154-01  
 Misc : 7.39G/5ML/MSVOA Y/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 B4-0-15

Quant Time: Jan 18 04:49:53 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y011020S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jan 10 16:01:58 2020  
 Response via : Initial Calibration

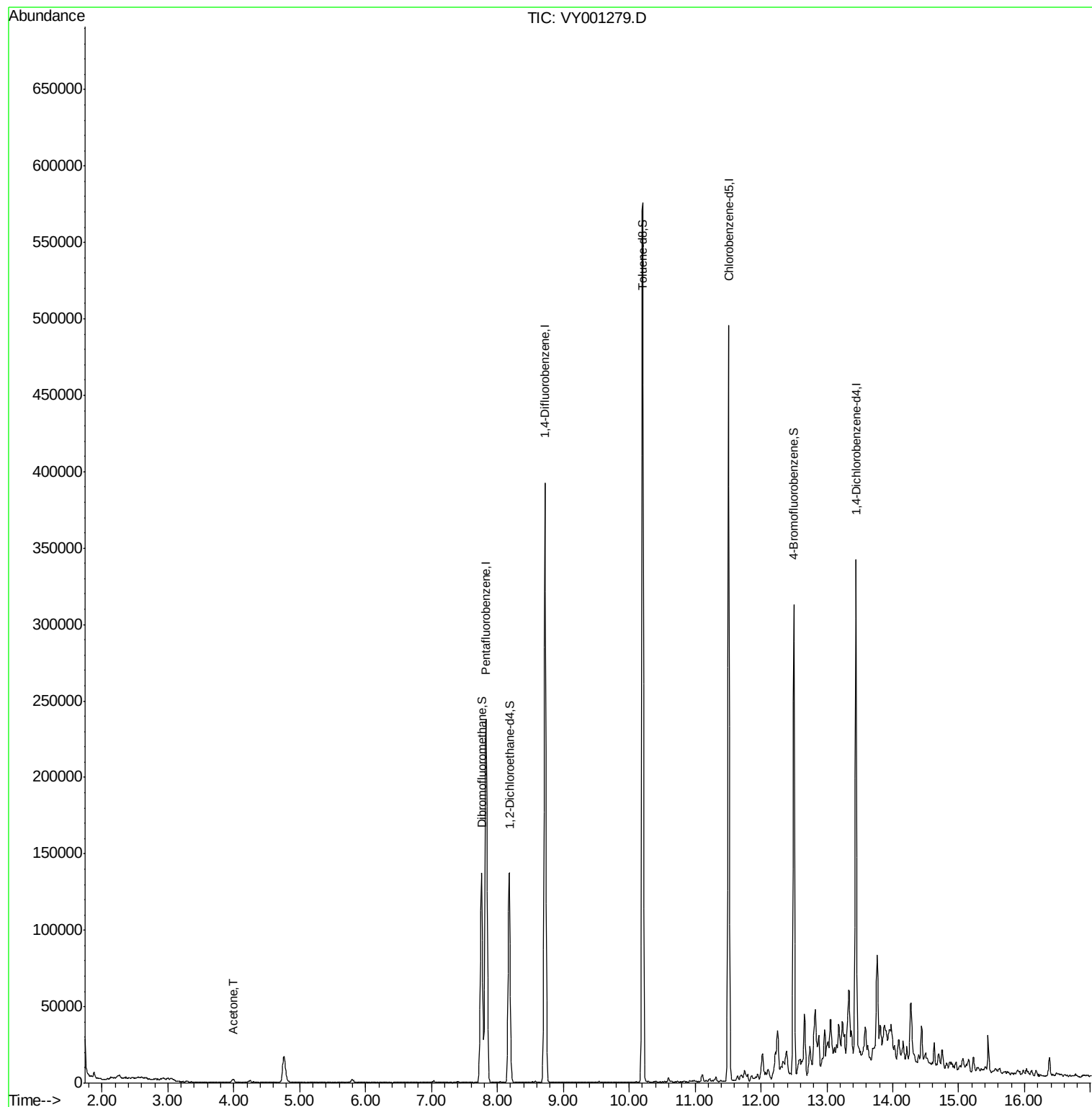
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 7.83  | 168  | 187395   | 50.00 | ug/l    | 0.04      |
| 34) 1,4-Difluorobenzene     | 8.72  | 114  | 335539   | 50.00 | ug/l    | 0.03      |
| 63) Chlorobenzene-d5        | 11.51 | 117  | 262997   | 50.00 | ug/l    | 0.02      |
| 72) 1,4-Dichlorobenzene-d4  | 13.44 | 152  | 78227    | 50.00 | ug/l    | 0.02      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.18  | 65   | 104253   | 52.67 | ug/l    | 0.03      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 105.34% |           |
| 35) Dibromofluoromethane    | 7.76  | 113  | 101696   | 51.76 | ug/l    | 0.04      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 103.52% |           |
| 50) Toluene-d8              | 10.21 | 98   | 386186   | 51.02 | ug/l    | 0.02      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 102.04% |           |
| 62) 4-Bromofluorobenzene    | 12.50 | 95   | 102557   | 33.14 | ug/l    | 0.02      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 66.28%  |           |
| Target Compounds            |       |      |          |       |         |           |
| 16) Acetone                 | 3.99  | 43   | 3492     | 7.597 | ug/l    | Qvalue 94 |

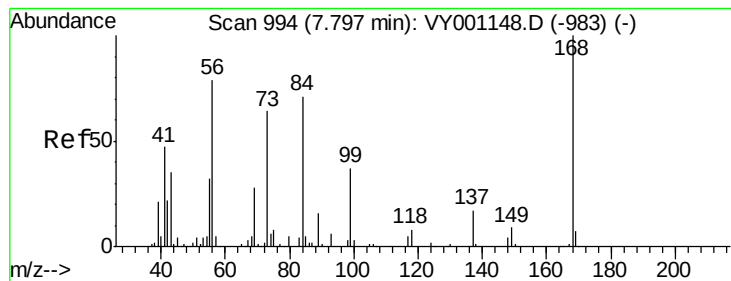
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_Y  
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Quant Title : SW846 8260  
QLast Update : Fri Jan 10 16:01:58 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.83 min Scan# 1000

Delta R.T. 0.04 min

Lab File: VY001279.D

Acq: 17 Jan 2020 20:31

Instrument :

MSVOA\_Y

ClientSampleId :

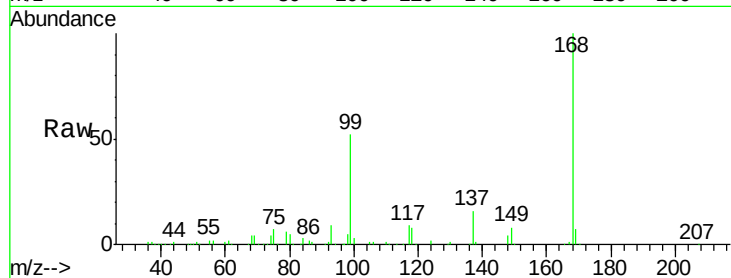
B4-0-15

Tot Ion:168 Resp: 187395

Ion Ratio Lower Upper

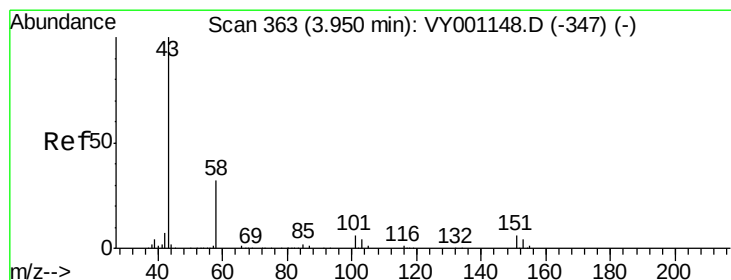
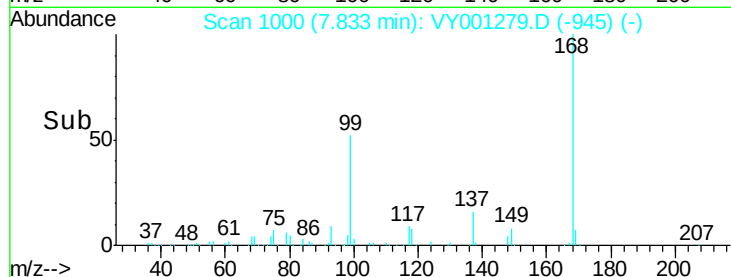
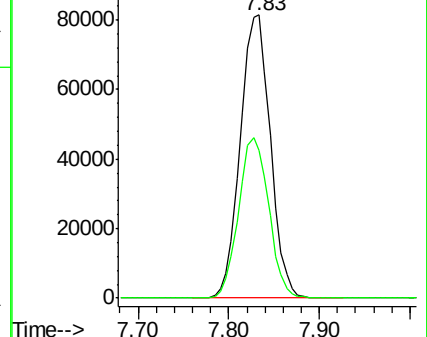
168 100

99 52.1 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VY001148.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY001148.D (-983) (-)



#16

Acetone

Concen: 7.597 ug/l

RT: 3.99 min Scan# 370

Delta R.T. 0.04 min

Lab File: VY001279.D

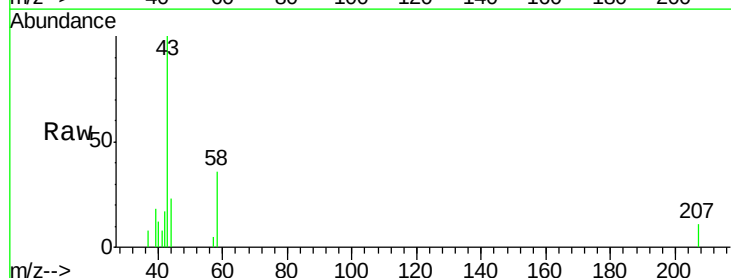
Acq: 17 Jan 2020 20:31

Tgt Ion: 43 Resp: 3492

Ion Ratio Lower Upper

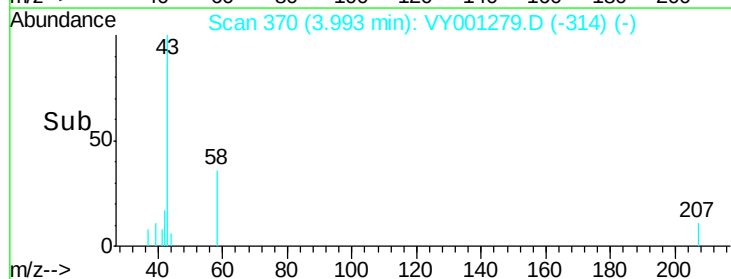
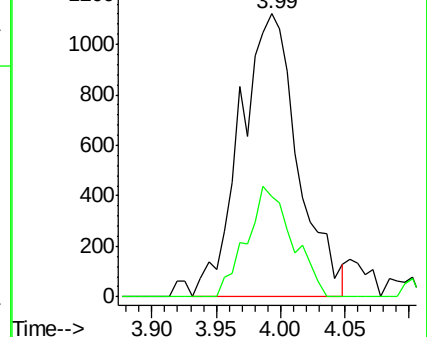
43 100

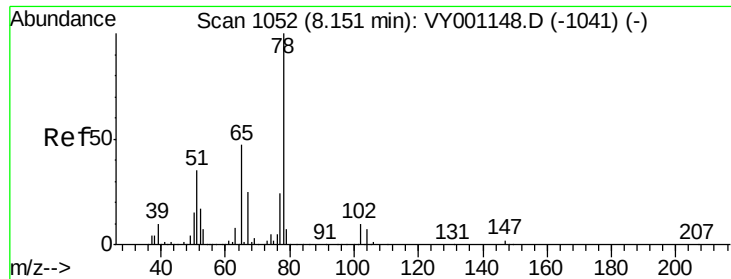
58 35.6 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VY001148.D (-347) (-)

Ion 58.00 (57.70 to 58.70): VY001148.D (-347) (-)

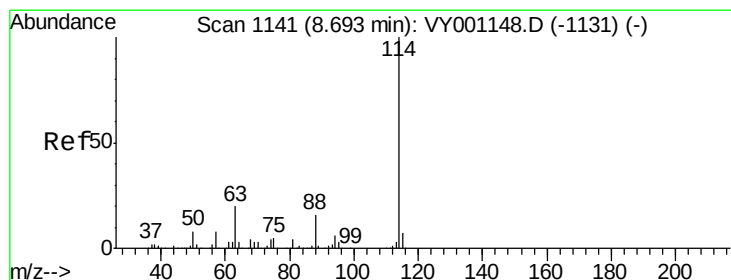
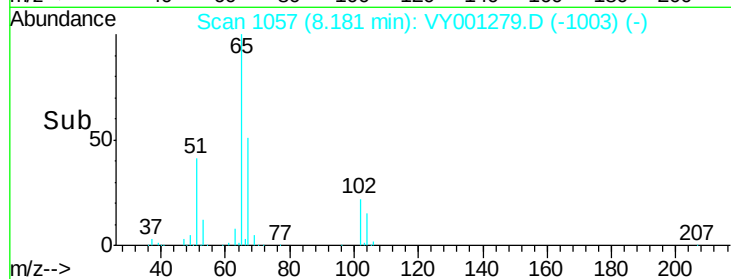
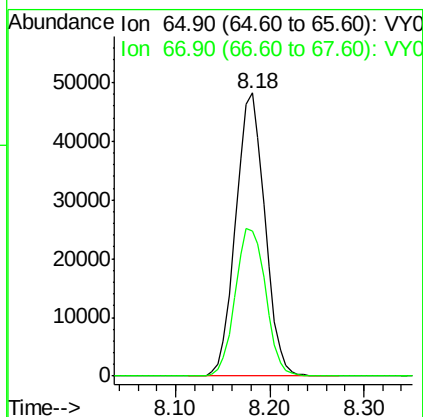
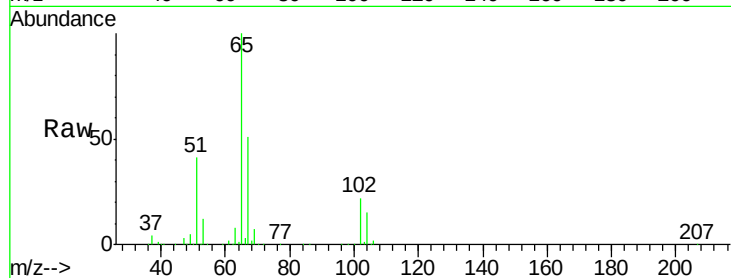




#33  
 1,2-Dichloroethane-d4  
 Concen: 52.674 ug/l  
 RT: 8.18 min Scan# 1057  
 Delta R.T. 0.03 min  
 Lab File: VY001279.D  
 Acq: 17 Jan 2020 20:31

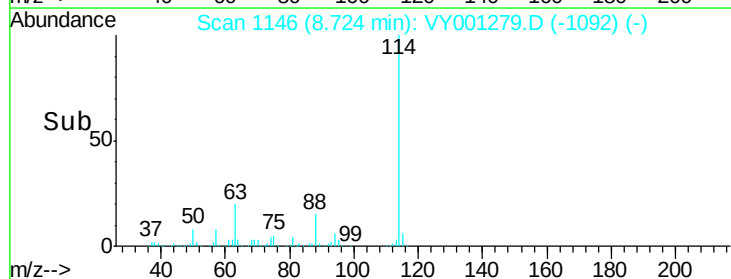
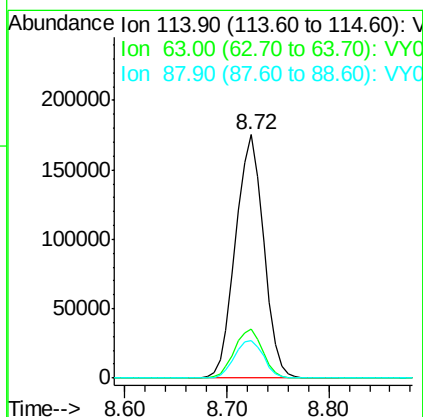
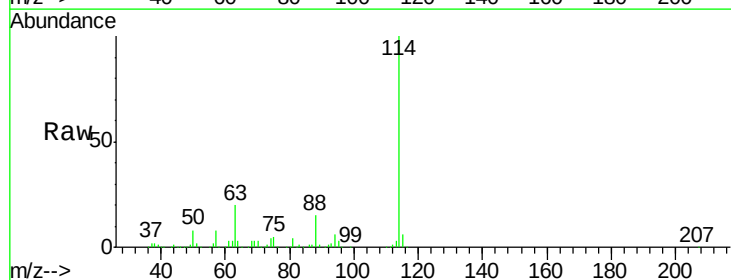
Instrument :  
 MSVOA\_Y  
 ClientSampled :  
 B4-0-15

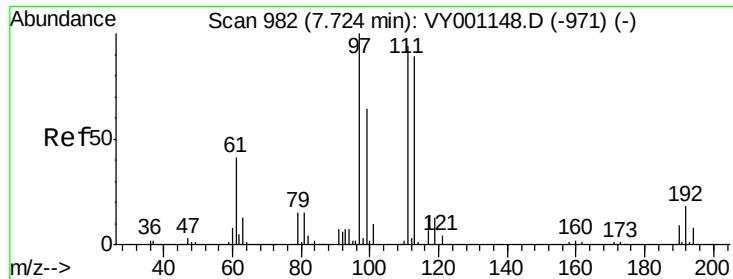
Tot Ion: 65 Resp: 104253  
 Ion Ratio Lower Upper  
 65 100  
 67 54.4 0.0 105.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.72 min Scan# 1146  
 Delta R.T. 0.03 min  
 Lab File: VY001279.D  
 Acq: 17 Jan 2020 20:31

Tgt Ion: 114 Resp: 335539  
 Ion Ratio Lower Upper  
 114 100  
 63 20.0 0.0 40.8  
 88 15.2 0.0 32.4

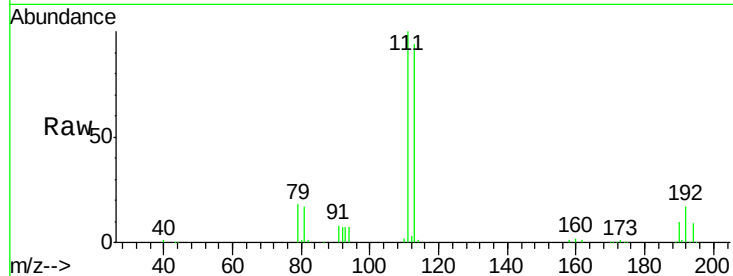




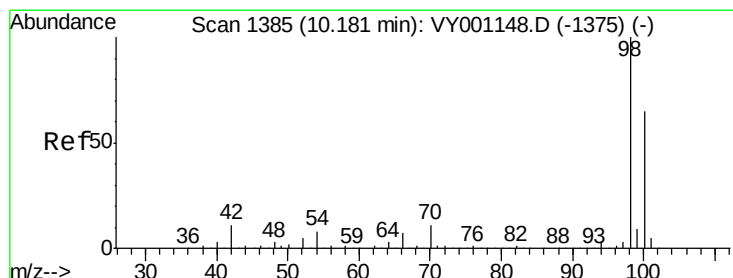
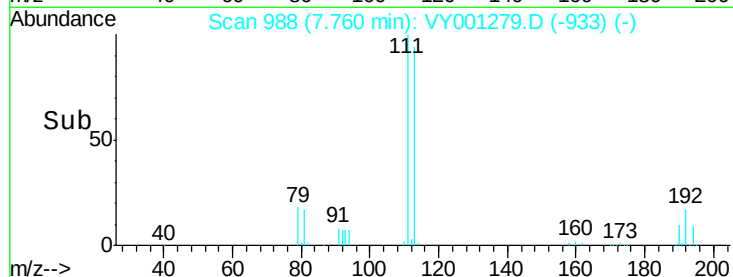
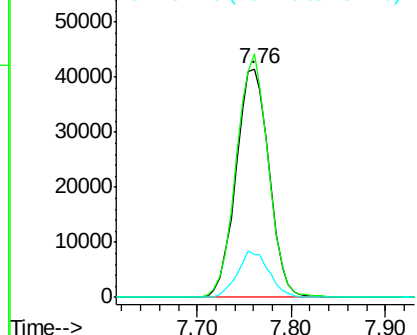
#35  
 Dibromofluoromethane  
 Concen: 51.765 ug/l  
 RT: 7.76 min Scan# 988  
 Delta R.T. 0.04 min  
 Lab File: VY001279.D  
 Acq: 17 Jan 2020 20:31

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 B4-0-15

Tot Ion:113 Resp: 101696  
 Ion Ratio Lower Upper  
 113 100  
 111 102.6 82.9 124.3  
 192 19.4 15.4 23.2

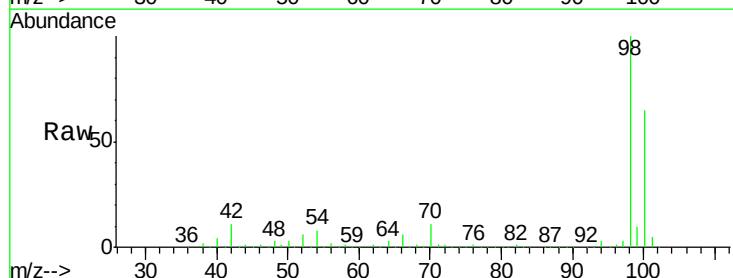


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

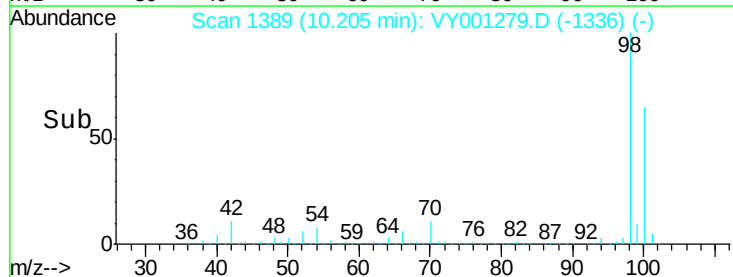
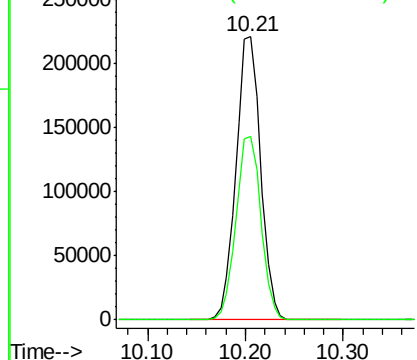


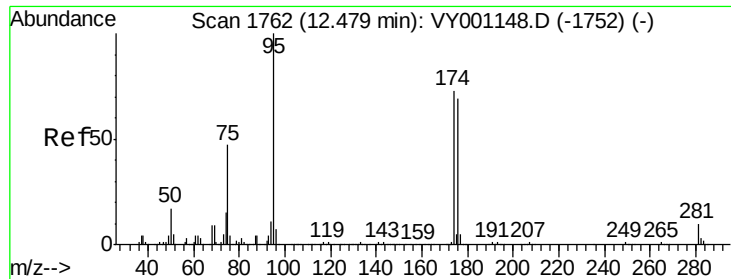
#50  
 Toluene-d8  
 Concen: 51.017 ug/l  
 RT: 10.21 min Scan# 1389  
 Delta R.T. 0.02 min  
 Lab File: VY001279.D  
 Acq: 17 Jan 2020 20:31

Tgt Ion: 98 Resp: 386186  
 Ion Ratio Lower Upper  
 98 100  
 100 65.7 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VY0  
 Ion 100.00 (99.70 to 100.70): VY

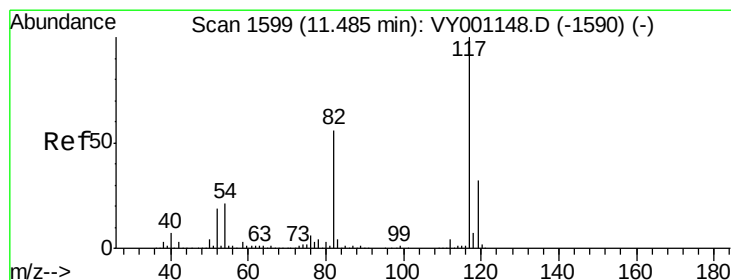
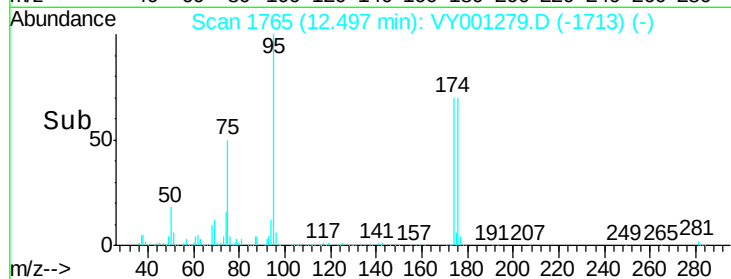
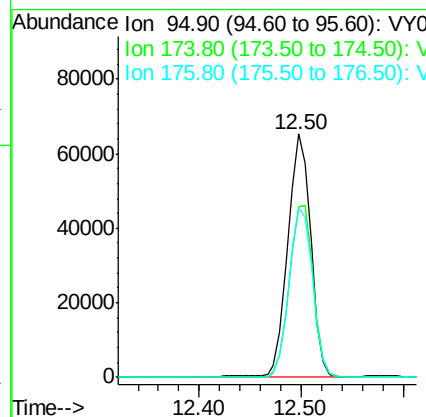
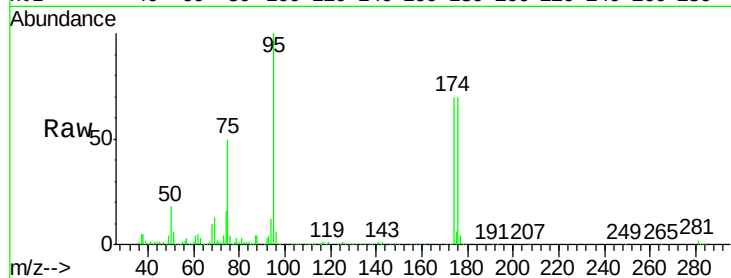




#62  
4-Bromofluorobenzene  
Concen: 33.139 ug/l  
RT: 12.50 min Scan# 1765  
Delta R.T. 0.02 min  
Lab File: VY001279.D  
Acq: 17 Jan 2020 20:31

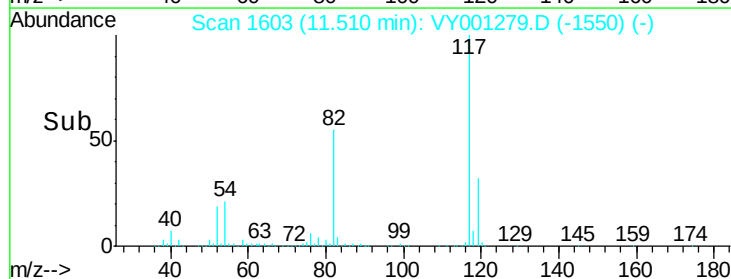
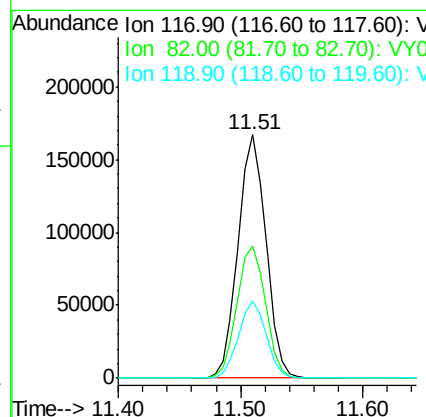
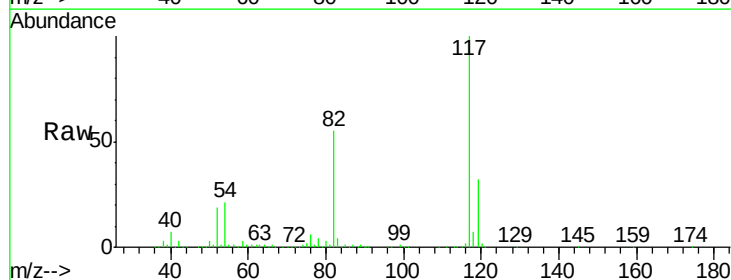
Instrument :  
MSVOA\_Y  
ClientSampled :  
B4-0-15

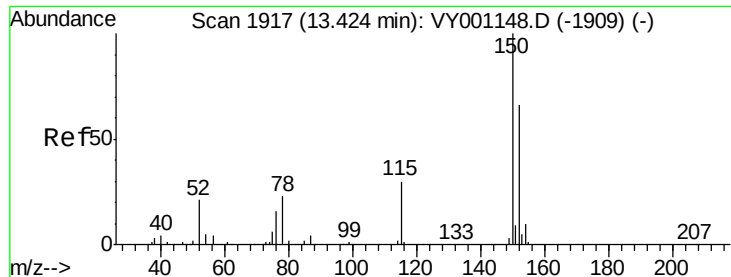
Tot Ion: 95 Resp: 102557  
Ion Ratio Lower Upper  
95 100  
174 73.0 0.0 143.2  
176 70.6 0.0 136.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.51 min Scan# 1603  
Delta R.T. 0.02 min  
Lab File: VY001279.D  
Acq: 17 Jan 2020 20:31

Tgt Ion: 117 Resp: 262997  
Ion Ratio Lower Upper  
117 100  
82 54.5 44.9 67.3  
119 31.7 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1920

Delta R.T. 0.02 min

Lab File: VY001279.D

Acq: 17 Jan 2020 20:31

Instrument :

MSVOA\_Y

ClientSampleId :

B4-0-15

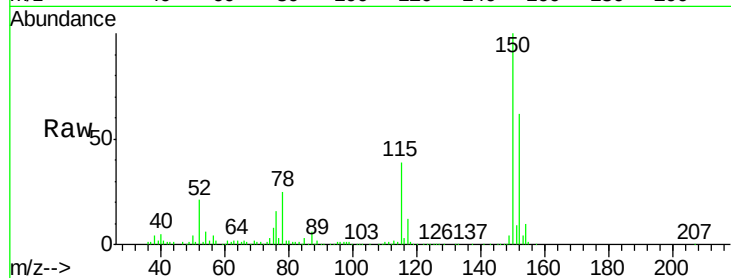
Tot Ion:152 Resp: 78227

Ion Ratio Lower Upper

152 100

115 61.7 30.9 92.5

150 157.1 0.0 346.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

