

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050620\  
 Data File : VY002614.D  
 Acq On : 06 May 2020 14:39  
 Operator : SY/MD  
 Sample : L2483-16  
 Misc : 8.04G/5ML/MSVOA Y/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 6FT-TP-8

Quant Time: May 07 06:29:35 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y043020S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon May 04 12:22:08 2020  
 Response via : Initial Calibration

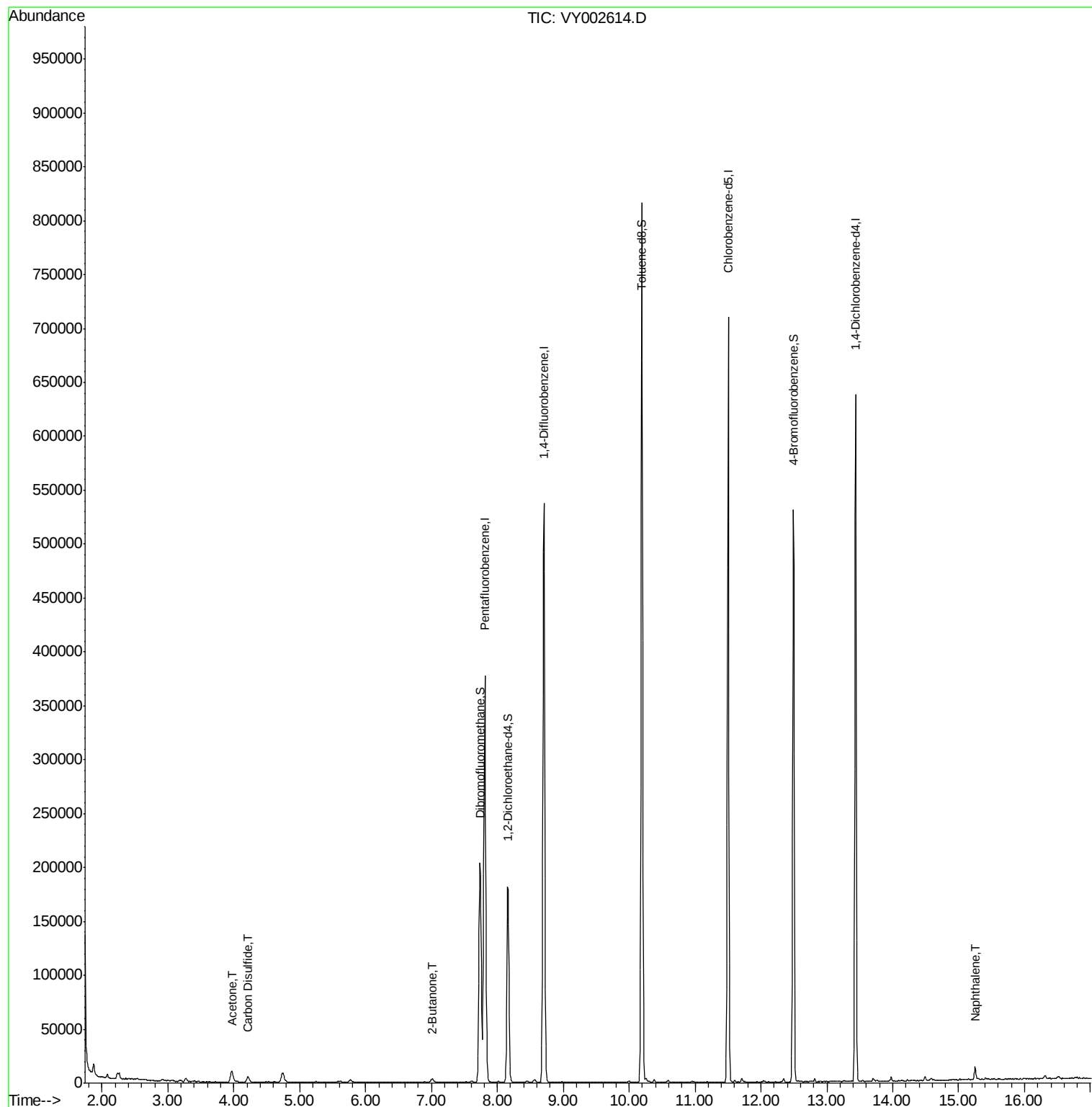
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.81  | 168  | 314139   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.71  | 114  | 483790   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.50 | 117  | 416169   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.44 | 152  | 169353   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.16  | 65   | 140155   | 53.06  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 106.12% |          |
| 35) Dibromofluoromethane    | 7.74  | 113  | 145222   | 52.49  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 104.98% |          |
| 50) Toluene-d8              | 10.19 | 98   | 561443   | 51.96  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 103.92% |          |
| 62) 4-Bromofluorobenzene    | 12.49 | 95   | 164881   | 44.97  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 89.94%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.97  | 43   | 19747    | 36.225 | ug/l    | 98       |
| 17) Carbon Disulfide        | 4.21  | 76   | 10258    | 1.261  | ug/l    | 98       |
| 25) 2-Butanone              | 7.01  | 43   | 4863     | 5.450  | ug/l    | 96       |
| 95) Naphthalene             | 15.25 | 128  | 9970     | 1.625  | ug/l    | 99       |

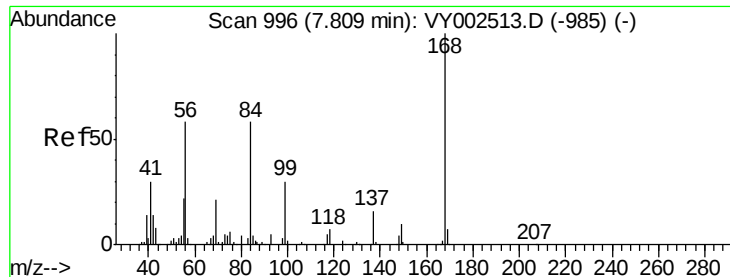
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY050620\  
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MSVOA\_Y  
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6FT-TP-8

Quant Time: May 07 06:29:35 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y043020S.M  
Quant Title : SW846 8260  
QLast Update : Mon May 04 12:22:08 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY002614.D

Acq: 06 May 2020 14:39

Instrument :

MSVOA\_Y

ClientSampleId :

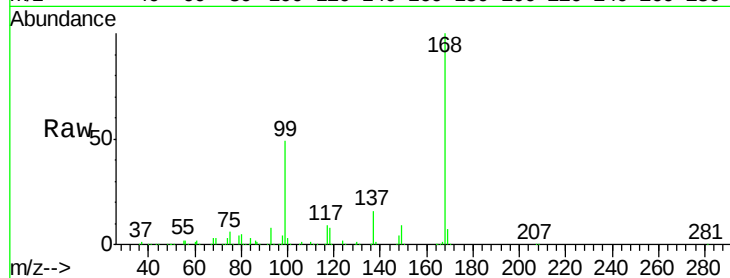
6FT-TP-8

Tot Ion:168 Resp: 314139

Ion Ratio Lower Upper

168 100

99 49.0 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002614.D (-947) (-)

Ion 98.90 (98.60 to 99.60): VY002614.D (-947) (-)

7.81

150000

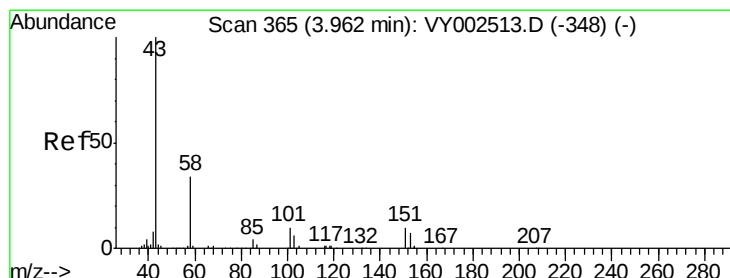
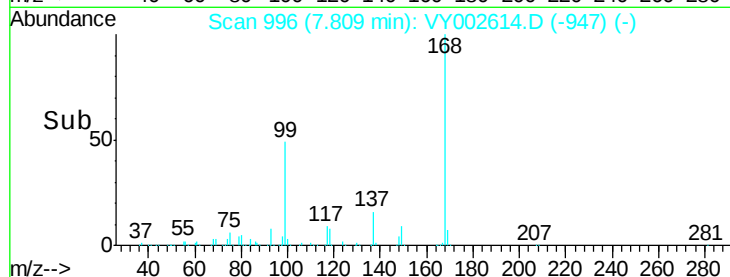
100000

50000

0

7.70 7.80 7.90

Time-->



#16

Acetone

Concen: 36.225 ug/l

RT: 3.97 min Scan# 366

Delta R.T. 0.01 min

Lab File: VY002614.D

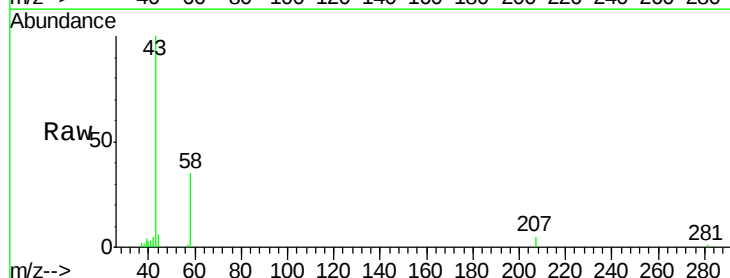
Acq: 06 May 2020 14:39

Tgt Ion: 43 Resp: 19747

Ion Ratio Lower Upper

43 100

58 34.6 26.9 40.3



Abundance Ion 43.00 (42.70 to 43.70): VY002614.D (-316) (-)

Ion 58.00 (57.70 to 58.70): VY002614.D (-316) (-)

3.97

8000

6000

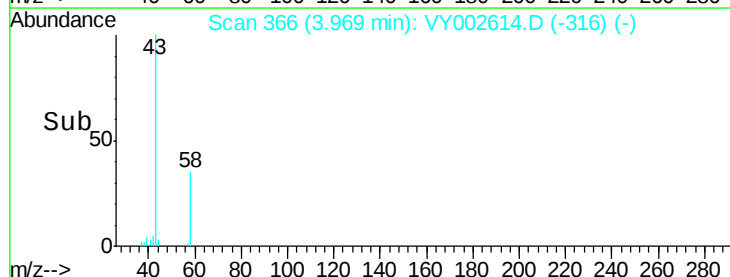
4000

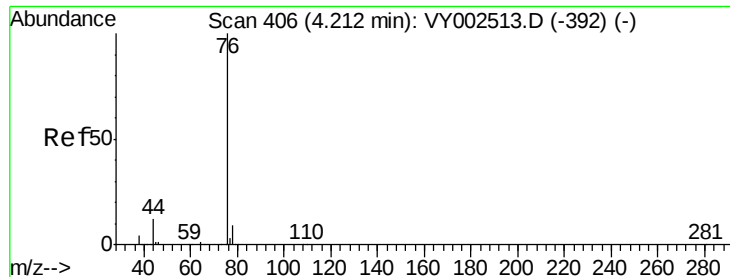
2000

0

3.90 4.00 4.10

Time-->





#17

Carbon Disulfide

Concen: 1.261 ug/l

RT: 4.21 min Scan# 406

Delta R.T. 0.00 min

Lab File: VY002614.D

Acq: 06 May 2020 14:39

Instrument :

MSVOA\_Y

ClientSampled :

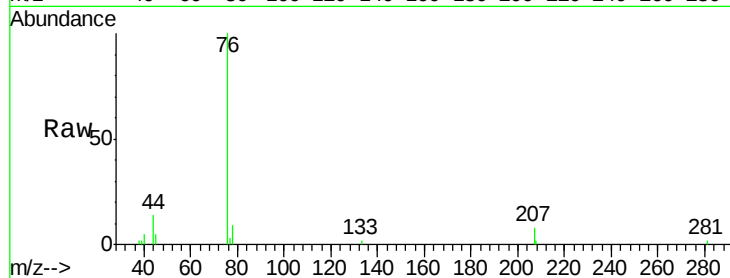
6FT-TP-8

Tot Ion: 76 Resp: 10258

Ion Ratio Lower Upper

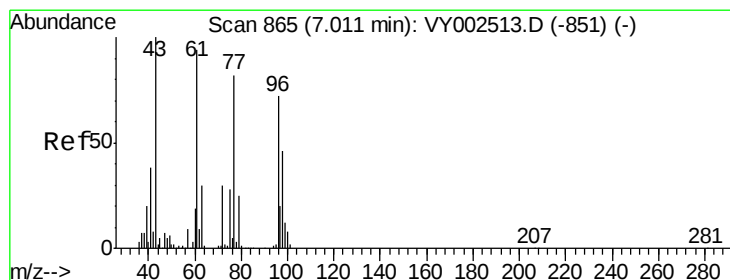
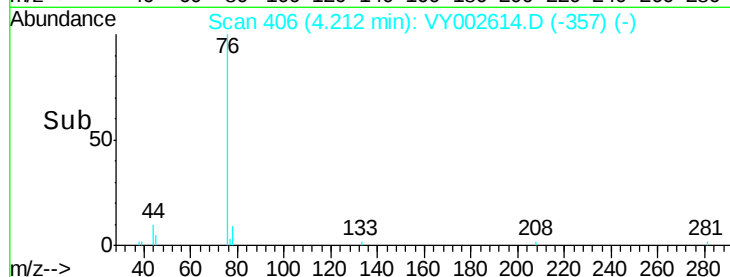
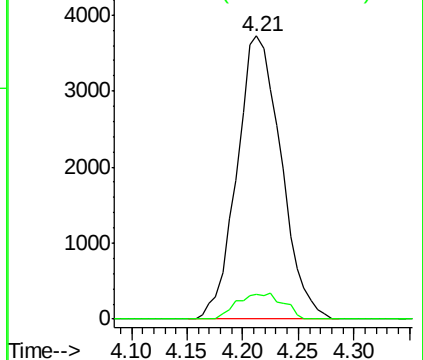
76 100

78 8.7 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#25

2-Butanone

Concen: 5.450 ug/l

RT: 7.01 min Scan# 865

Delta R.T. 0.00 min

Lab File: VY002614.D

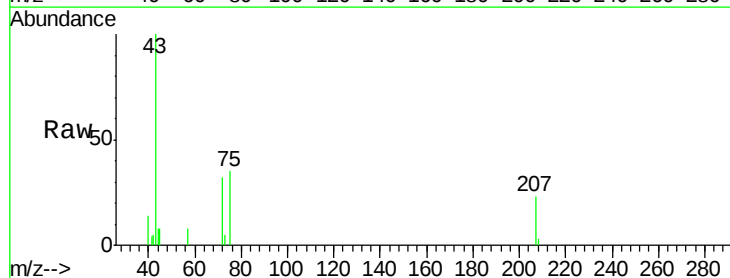
Acq: 06 May 2020 14:39

Tgt Ion: 43 Resp: 4863

Ion Ratio Lower Upper

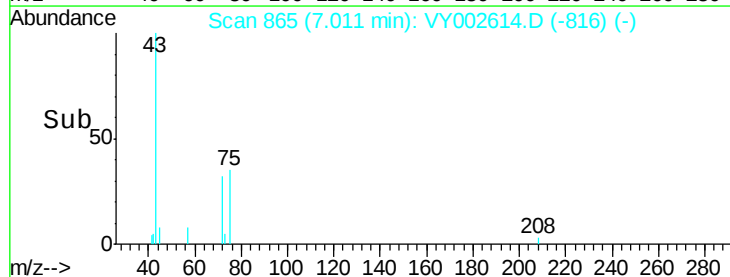
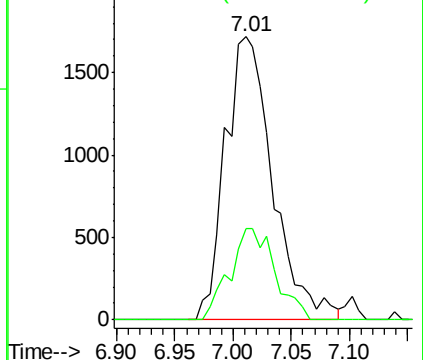
43 100

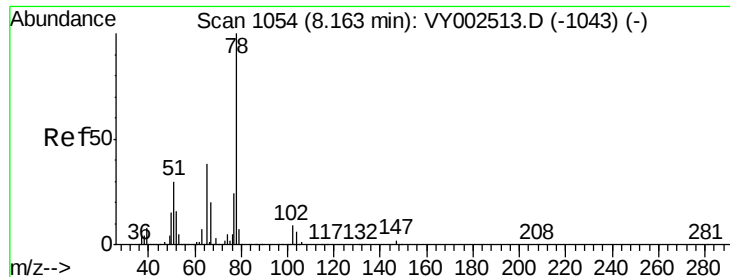
72 32.4 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

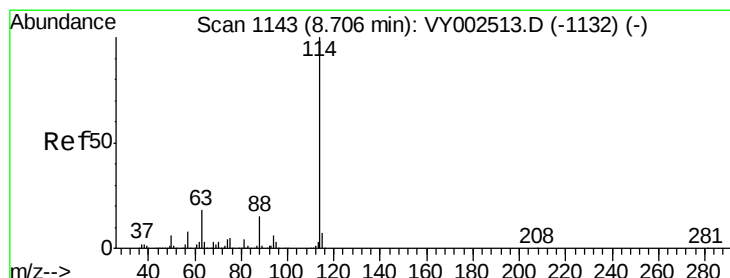
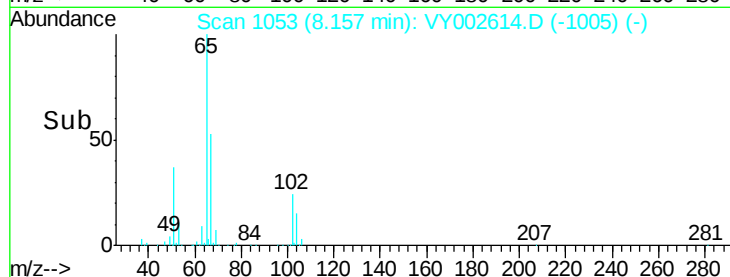
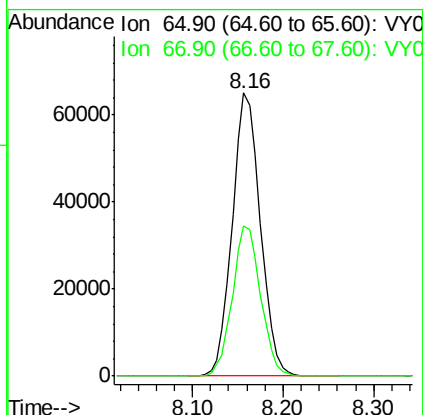
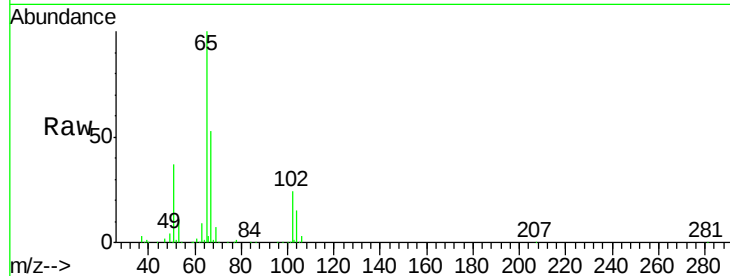




#33  
 1,2-Dichloroethane-d4  
 Concen: 53.062 ug/l  
 RT: 8.16 min Scan# 1053  
 Delta R.T. -0.01 min  
 Lab File: VY002614.D  
 Acq: 06 May 2020 14:39

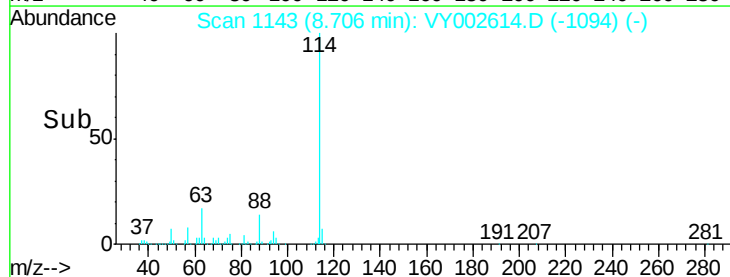
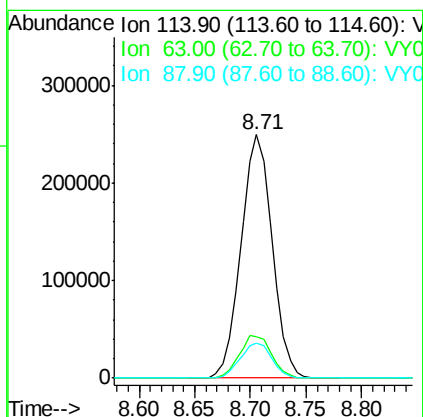
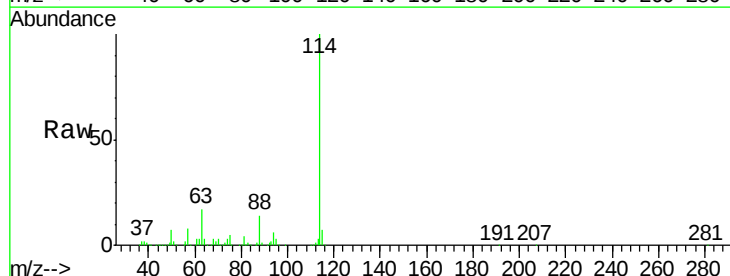
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 6FT-TP-8

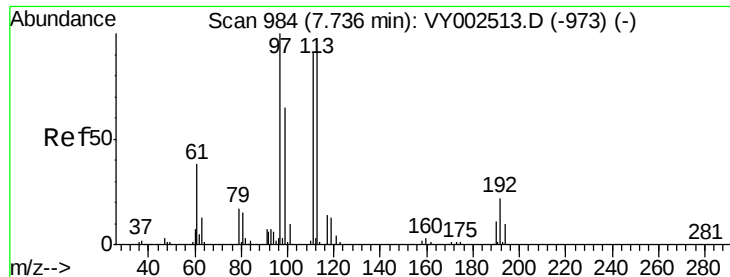
Tot Ion: 65 Resp: 140155  
 Ion Ratio Lower Upper  
 65 100  
 67 53.2 0.0 107.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.71 min Scan# 1143  
 Delta R.T. 0.00 min  
 Lab File: VY002614.D  
 Acq: 06 May 2020 14:39

Tgt Ion: 114 Resp: 483790  
 Ion Ratio Lower Upper  
 114 100  
 63 17.3 0.0 36.4  
 88 14.3 0.0 29.6

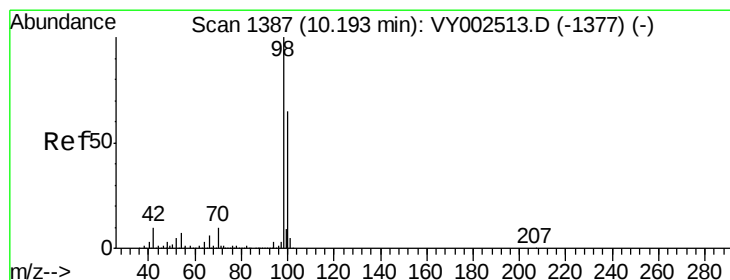
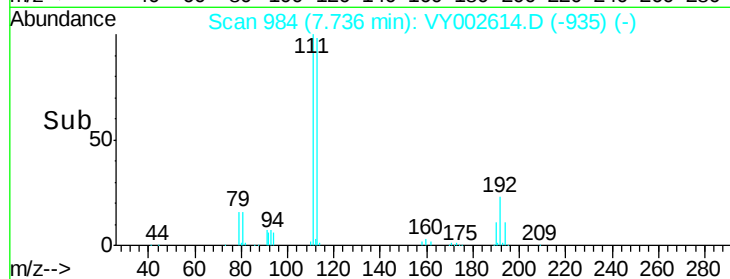
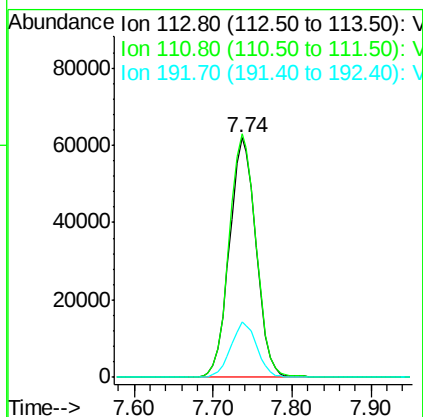
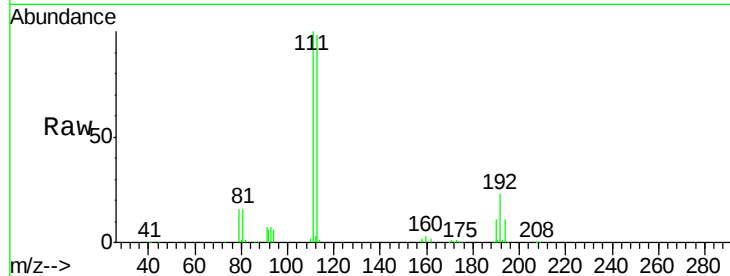




#35  
Dibromofluoromethane  
Concen: 52.487 ug/l  
RT: 7.74 min Scan# 984  
Delta R.T. -0.00 min  
Lab File: VY002614.D  
Acq: 06 May 2020 14:39

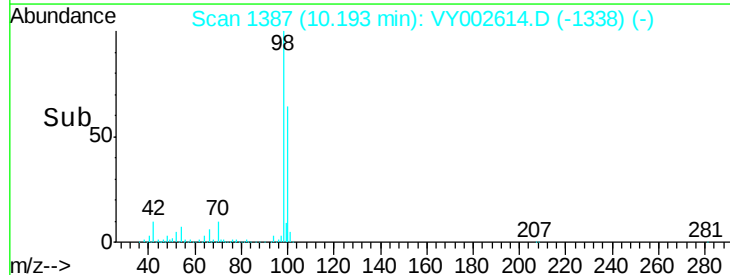
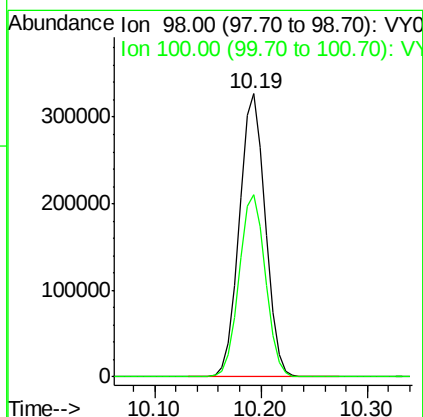
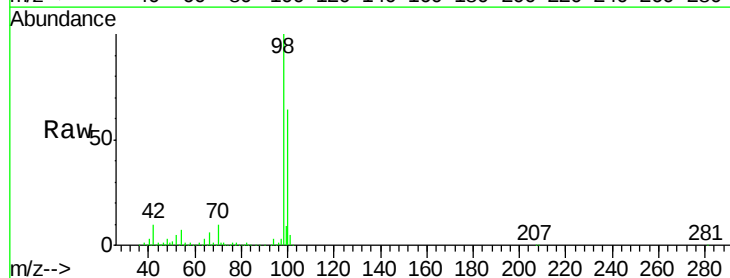
Instrument :  
MSVOA\_Y  
ClientSampleId :  
6FT-TP-8

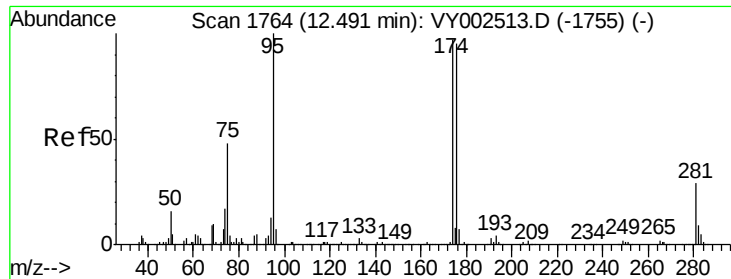
Tot Ion:113 Resp: 145222  
Ion Ratio Lower Upper  
113 100  
111 102.6 81.8 122.6  
192 22.5 18.2 27.4



#50  
Toluene-d8  
Concen: 51.962 ug/l  
RT: 10.19 min Scan# 1387  
Delta R.T. 0.00 min  
Lab File: VY002614.D  
Acq: 06 May 2020 14:39

Tgt Ion: 98 Resp: 561443  
Ion Ratio Lower Upper  
98 100  
100 65.2 52.2 78.2

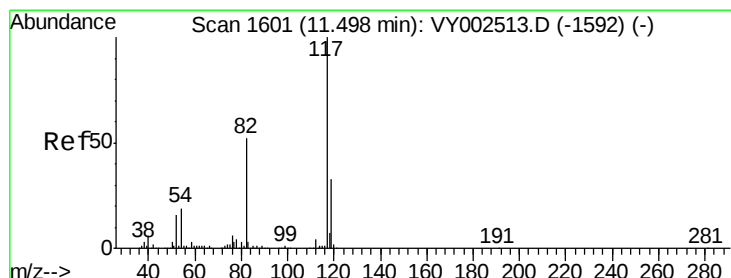
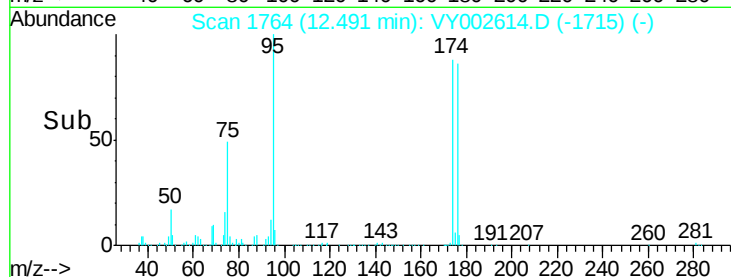
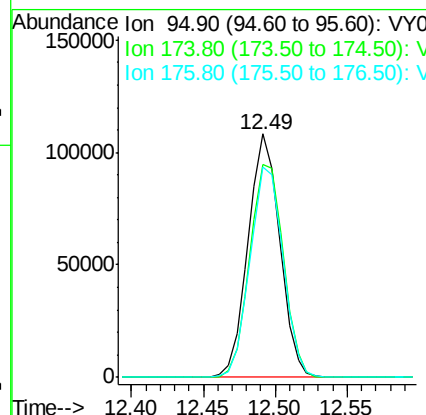
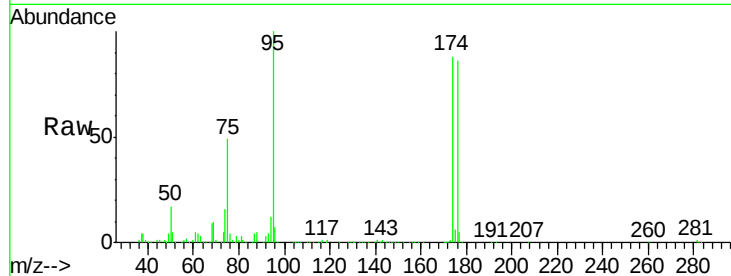




#62  
4-Bromofluorobenzene  
Concen: 44.972 ug/l  
RT: 12.49 min Scan# 1764  
Delta R.T. 0.00 min  
Lab File: VY002614.D  
Acq: 06 May 2020 14:39

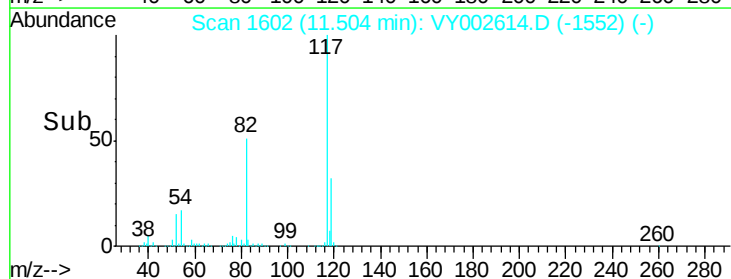
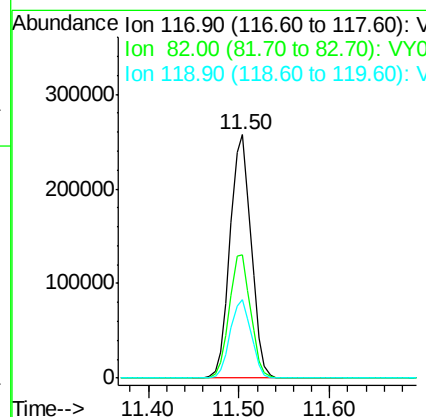
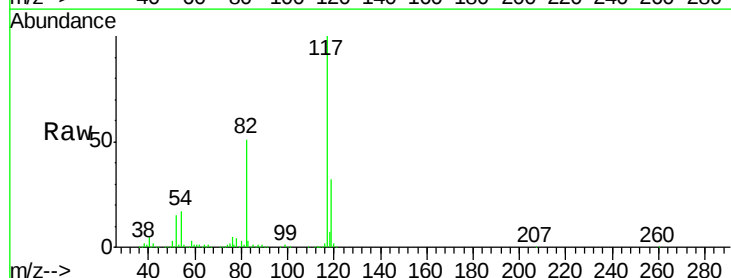
Instrument :  
MSVOA\_Y  
ClientSampled :  
6FT-TP-8

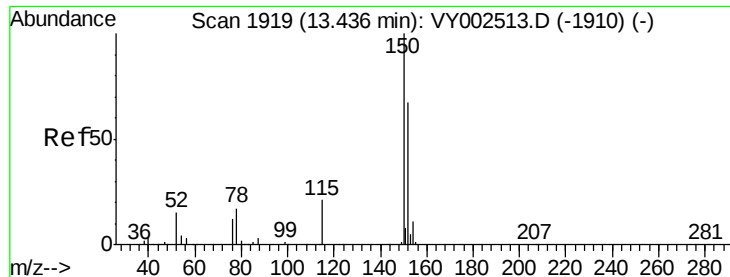
Tot Ion: 95 Resp: 164881  
Ion Ratio Lower Upper  
95 100  
174 92.7 0.0 188.8  
176 89.7 0.0 183.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.50 min Scan# 1602  
Delta R.T. 0.01 min  
Lab File: VY002614.D  
Acq: 06 May 2020 14:39

Tgt Ion: 117 Resp: 416169  
Ion Ratio Lower Upper  
117 100  
82 50.8 41.3 61.9  
119 32.5 26.0 39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VY002614.D

Acq: 06 May 2020 14:39

Instrument :

MSVOA\_Y

ClientSampleId :

6FT-TP-8

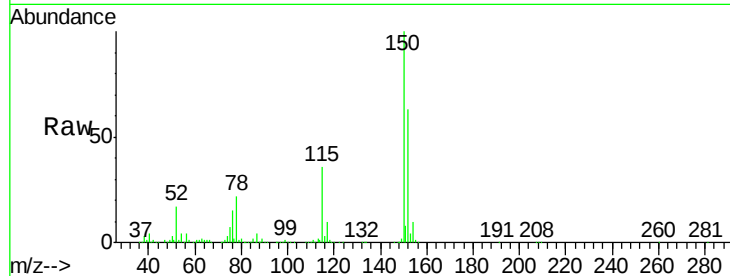
Tot Ion:152 Resp: 169353

Ion Ratio Lower Upper

152 100

115 55.3 27.5 82.4

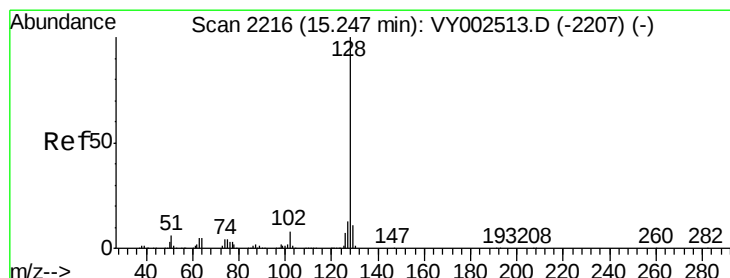
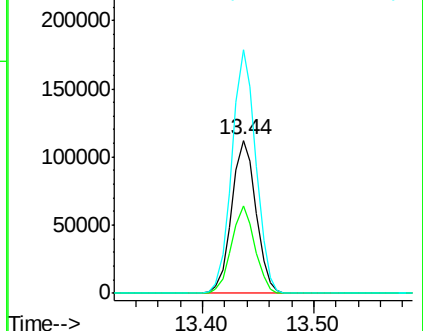
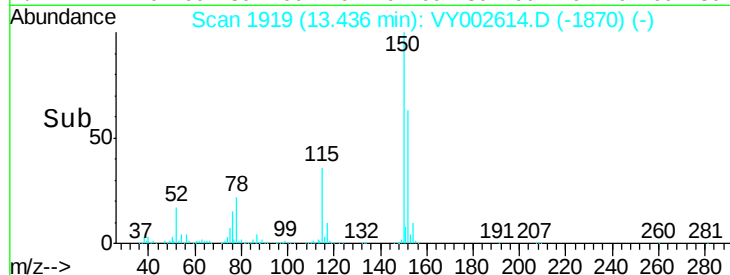
150 157.2 0.0 346.4



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



#95

Naphthalene

Concen: 1.625 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. 0.00 min

Lab File: VY002614.D

Acq: 06 May 2020 14:39

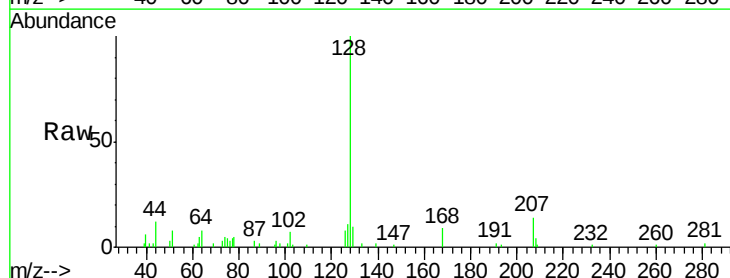
Tgt Ion:128 Resp: 9970

Ion Ratio Lower Upper

128 100

127 13.5 10.5 15.7

129 11.7 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

