

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011520\  
 Data File : VY001240.D  
 Acq On : 16 Jan 2020 00:27  
 Operator : SY/MD  
 Sample : L1136-02  
 Misc : 10.52G/5ML/MSVOA Y/SOIL  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 WP022SB456\_200113\_36-38

Quant Time: Jan 16 08:46:51 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

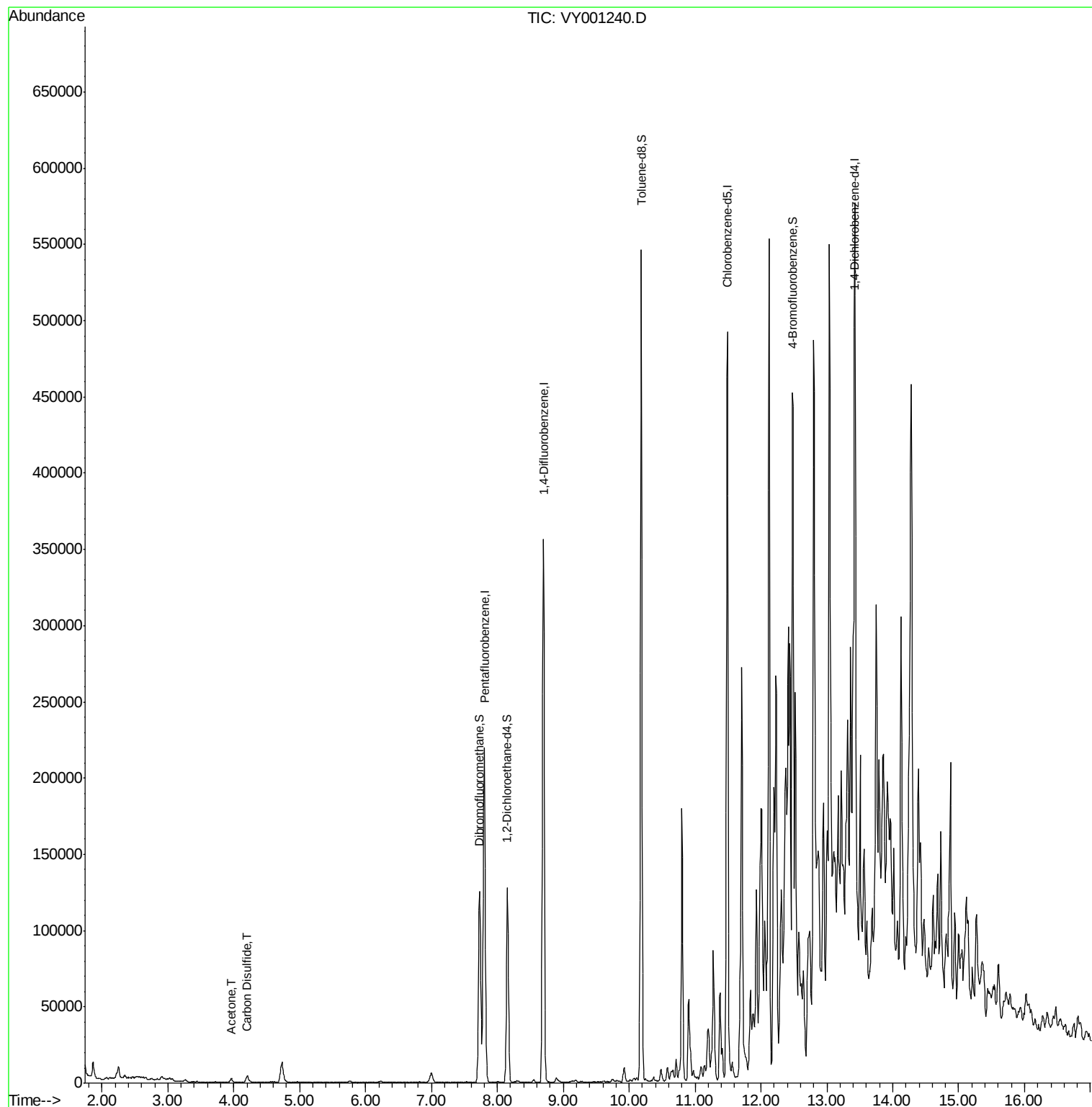
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.80  | 168  | 170590   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.70  | 114  | 306551   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.49 | 117  | 252021   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.42 | 152  | 97326    | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.15  | 65   | 94939    | 52.69  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 105.38% |          |
| 35) Dibromofluoromethane    | 7.73  | 113  | 90592    | 50.47  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 100.94% |          |
| 50) Toluene-d8              | 10.18 | 98   | 355108   | 51.35  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 102.70% |          |
| 62) 4-Bromofluorobenzene    | 12.48 | 95   | 111106   | 39.30  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 78.60%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.96  | 43   | 4684     | 11.194 | ug/l    | 96       |
| 17) Carbon Disulfide        | 4.20  | 76   | 8153     | 1.444  | ug/l #  | 95       |

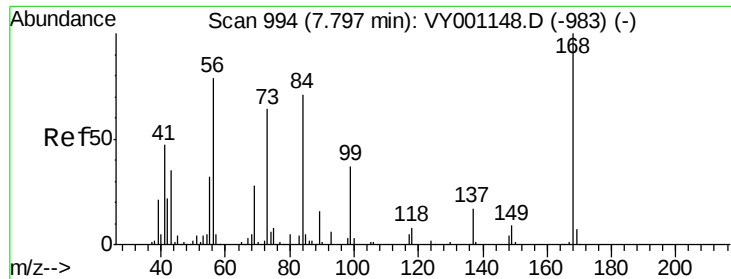
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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WP022SB456\_200113\_36-38

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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: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY001240.D

Acq: 16 Jan 2020 00:27

Instrument :

MSVOA\_Y

ClientSampleId :

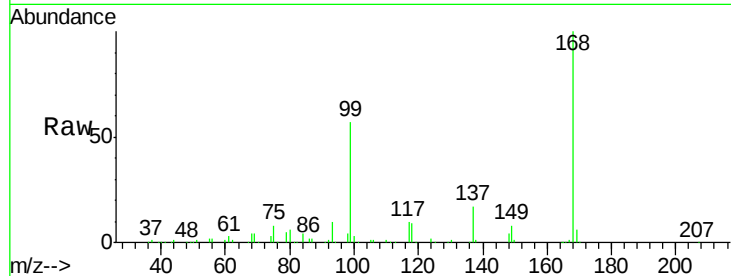
WP022SB456\_200113\_36-38

Tot Ion:168 Resp: 170590

Ion Ratio Lower Upper

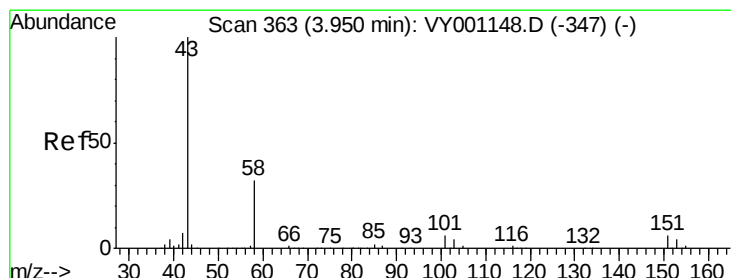
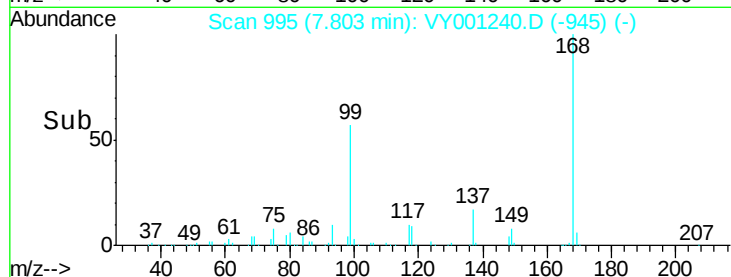
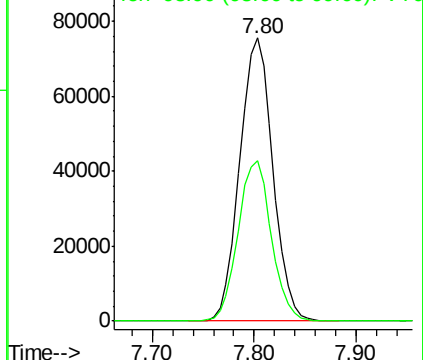
168 100

99 56.9 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: 11.194 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY001240.D

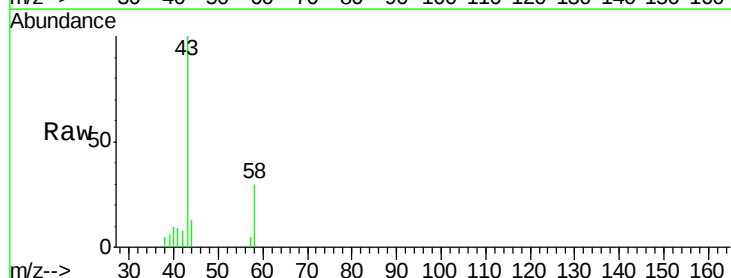
Acq: 16 Jan 2020 00:27

Tgt Ion: 43 Resp: 4684

Ion Ratio Lower Upper

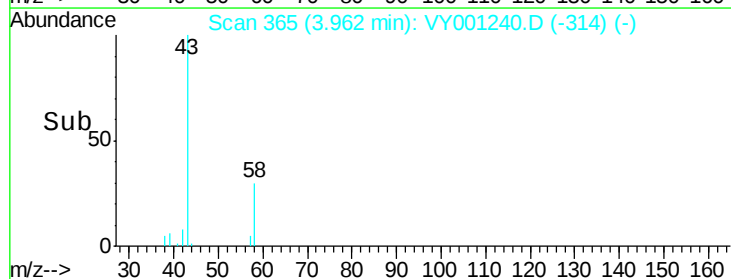
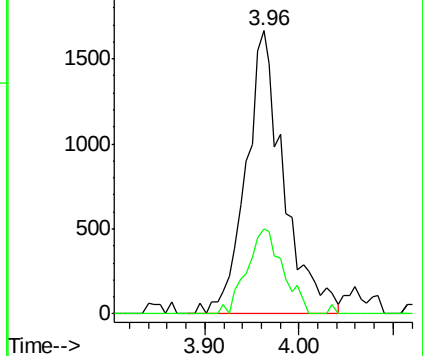
43 100

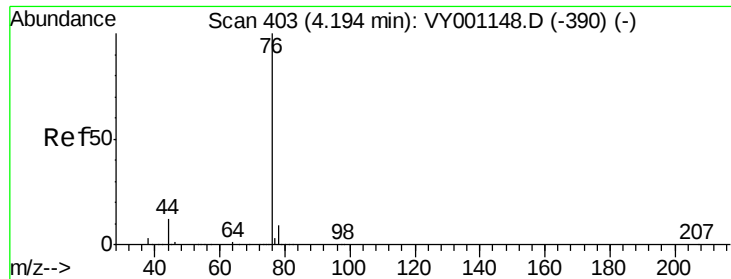
58 30.0 25.8 38.6



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

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

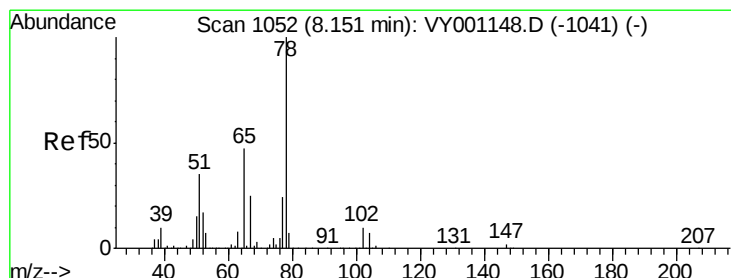
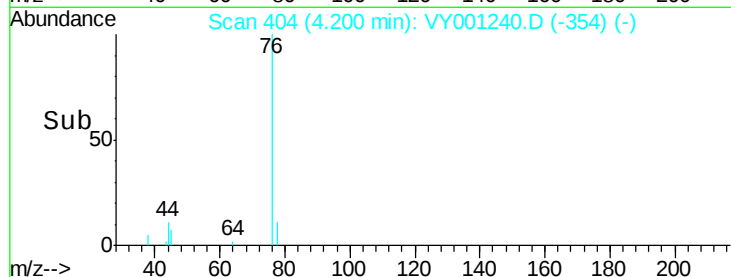
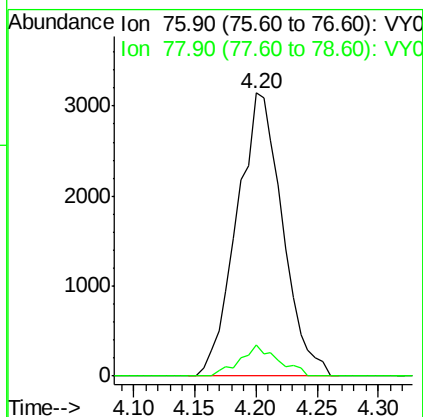
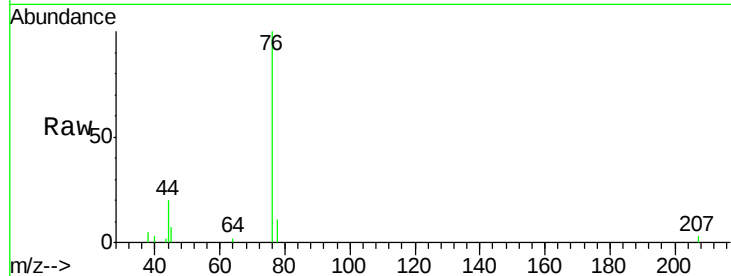




#17  
Carbon Disulfide  
Concen: 1.444 ug/l  
RT: 4.20 min Scan# 404  
Delta R.T. 0.01 min  
Lab File: VY001240.D  
Acq: 16 Jan 2020 00:27

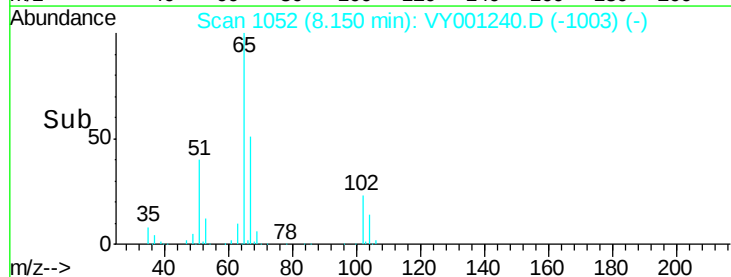
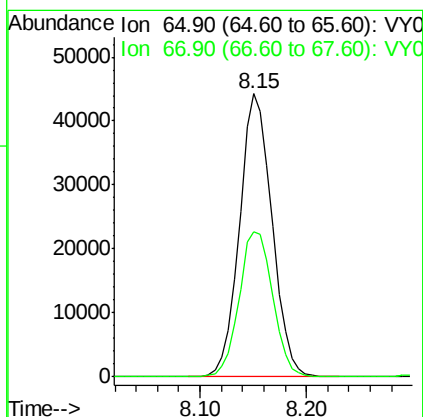
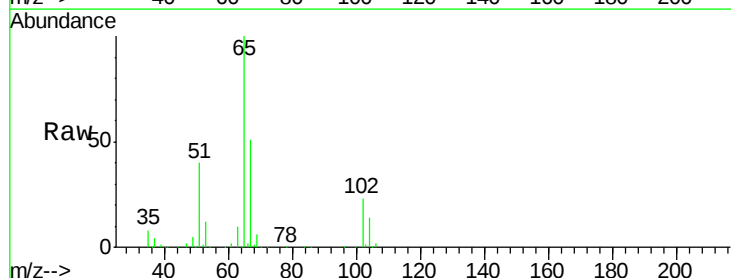
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MSVOA\_Y  
ClientSampleId :  
WP022SB456\_200113\_36-38

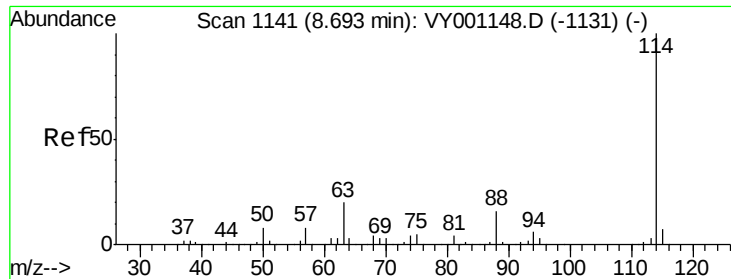
Tot Ion: 76 Resp: 8153  
Ion Ratio Lower Upper  
76 100  
78 11.0 7.2 10.8#



#33  
1,2-Dichloroethane-d4  
Concen: 52.693 ug/l  
RT: 8.15 min Scan# 1052  
Delta R.T. -0.00 min  
Lab File: VY001240.D  
Acq: 16 Jan 2020 00:27

Tgt Ion: 65 Resp: 94939  
Ion Ratio Lower Upper  
65 100  
67 53.1 0.0 105.2

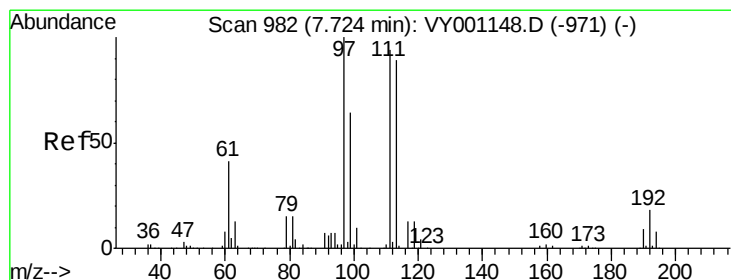
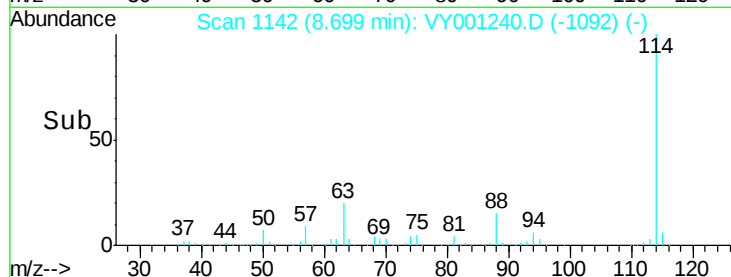
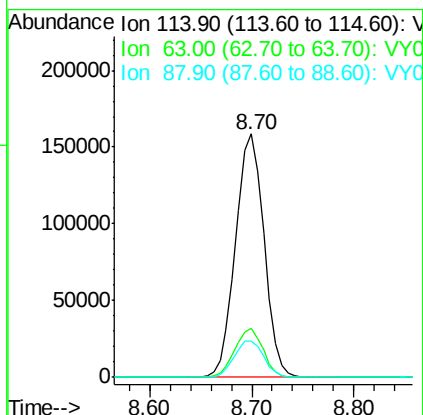
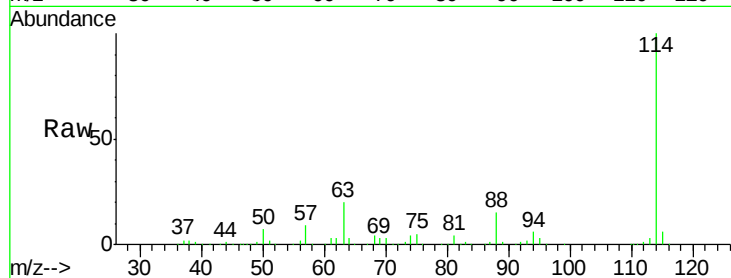




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.70 min Scan# 1142  
 Delta R.T. 0.01 min  
 Lab File: VY001240.D  
 Acq: 16 Jan 2020 00:27

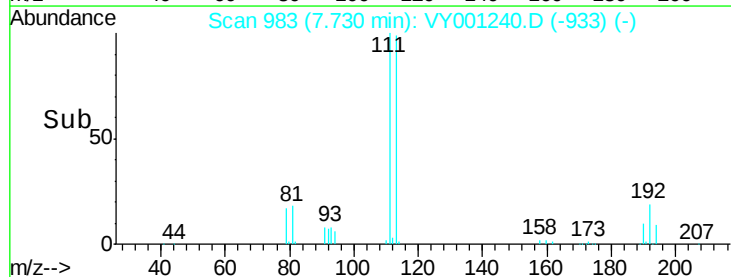
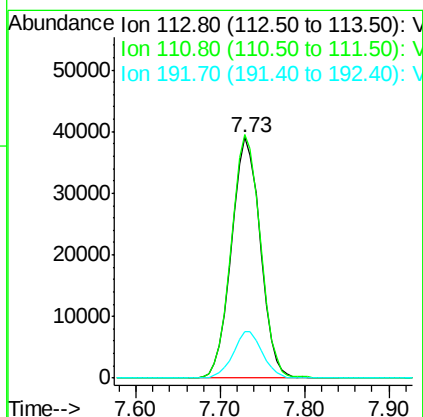
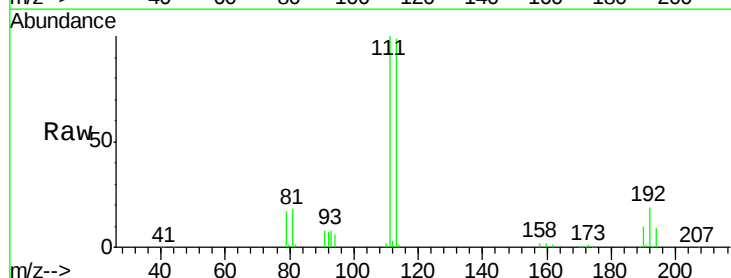
Instrument :  
 MSVOA\_Y  
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 WP022SB456\_200113\_36-38

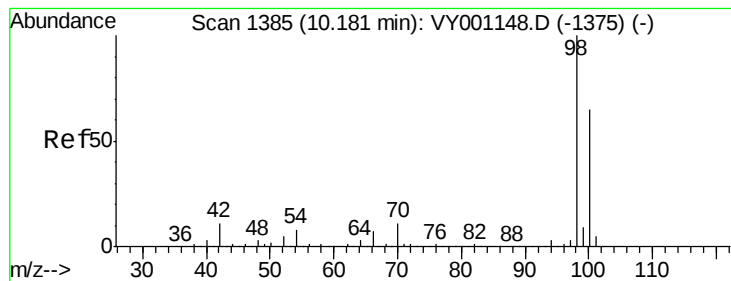
Tot Ion:114 Resp: 306551  
 Ion Ratio Lower Upper  
 114 100  
 63 20.2 0.0 40.8  
 88 14.8 0.0 32.4



#35  
 Dibromofluoromethane  
 Concen: 50.473 ug/l  
 RT: 7.73 min Scan# 983  
 Delta R.T. 0.01 min  
 Lab File: VY001240.D  
 Acq: 16 Jan 2020 00:27

Tgt Ion:113 Resp: 90592  
 Ion Ratio Lower Upper  
 113 100  
 111 102.1 82.9 124.3  
 192 19.5 15.4 23.2





#50

Toluene-d8

Concen: 51.347 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY001240.D

Acq: 16 Jan 2020 00:27

Instrument :

MSVOA\_Y

ClientSampleId :

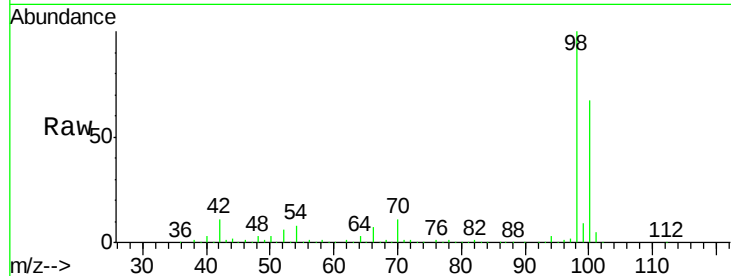
WP022SB456\_200113\_36-38

Tot Ion: 98 Resp: 355108

Ion Ratio Lower Upper

98 100

100 65.6 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

250000

200000

150000

100000

50000

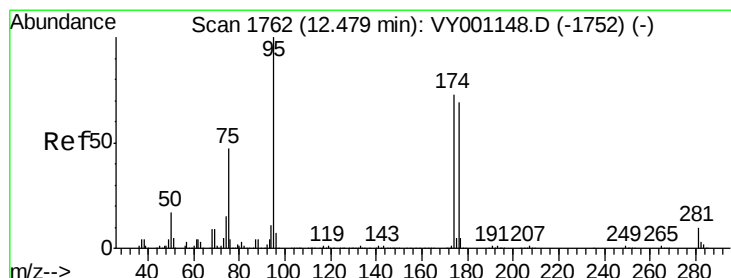
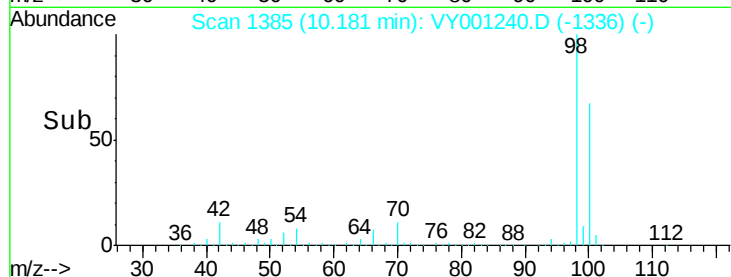
0

10.10

10.20

10.30

Time-->



#62

4-Bromofluorobenzene

Concen: 39.296 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY001240.D

Acq: 16 Jan 2020 00:27

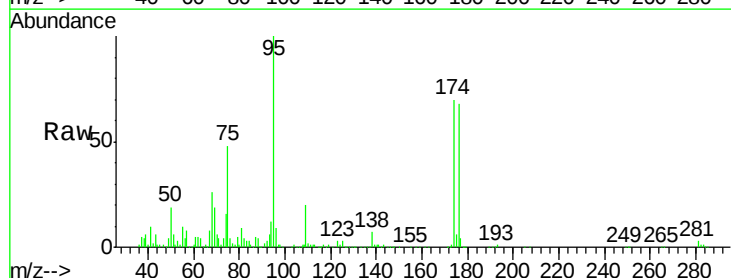
Tgt Ion: 95 Resp: 111106

Ion Ratio Lower Upper

95 100

174 73.4 0.0 143.2

176 70.2 0.0 136.0



Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): VY0

Ion 175.80 (175.50 to 176.50): VY0

100000

80000

60000

40000

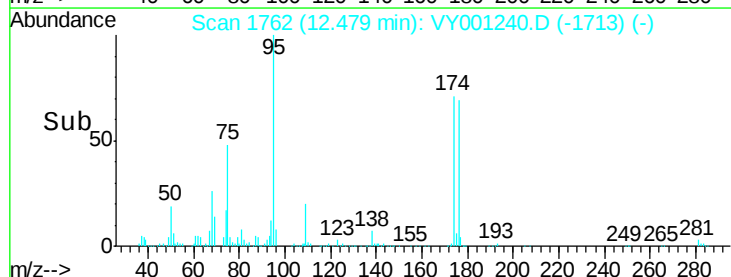
20000

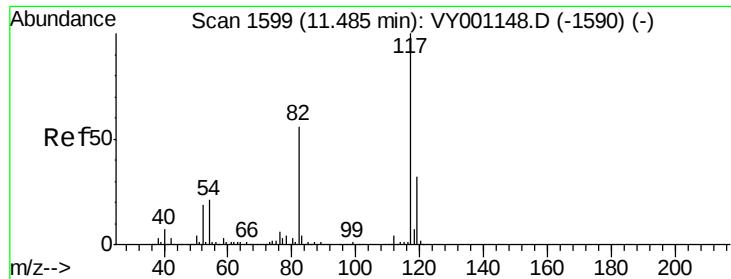
0

12.45

12.50

Time-->

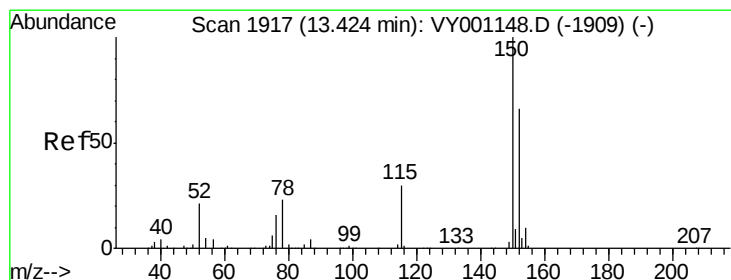
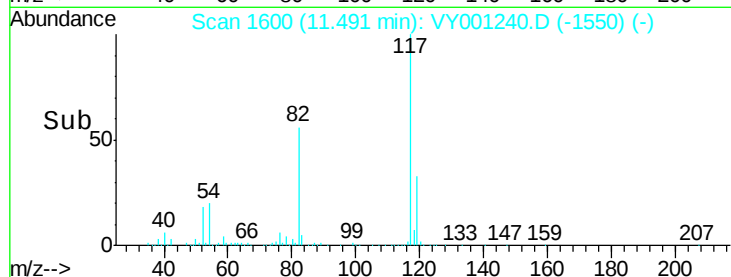
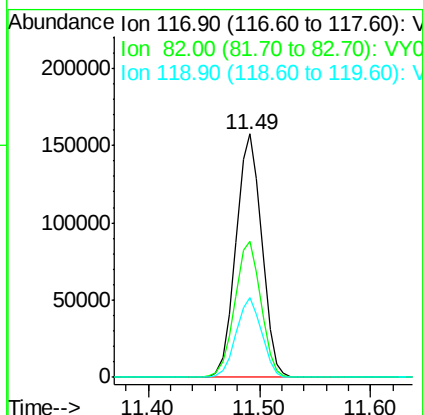
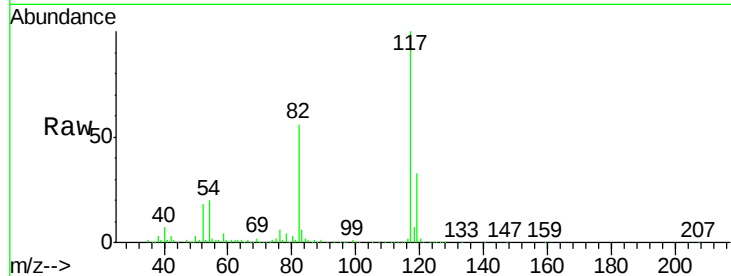




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1600  
Delta R.T. 0.01 min  
Lab File: VY001240.D  
Acq: 16 Jan 2020 00:27

Instrument :  
MSVOA\_Y  
ClientSampleId :  
WP022SB456\_200113\_36-38

Tot Ion:117 Resp: 252021  
Ion Ratio Lower Upper  
117 100  
82 55.7 44.9 67.3  
119 32.9 25.7 38.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.42 min Scan# 1917  
Delta R.T. -0.00 min  
Lab File: VY001240.D  
Acq: 16 Jan 2020 00:27

Tgt Ion:152 Resp: 97326  
Ion Ratio Lower Upper  
152 100  
115 53.4 30.9 92.5  
150 143.3 0.0 346.8

