

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112119\  
 Data File : VY000773.D  
 Acq On : 21 Nov 2019 17:11  
 Operator : SY/MD  
 Sample : K5959-02  
 Misc : 2.41G/5ML/MSVOA Y/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 WS-112019-0-1-GRAB-B3

Quant Time: Nov 22 04:45:52 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y103019S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 30 13:30:53 2019  
 Response via : Initial Calibration

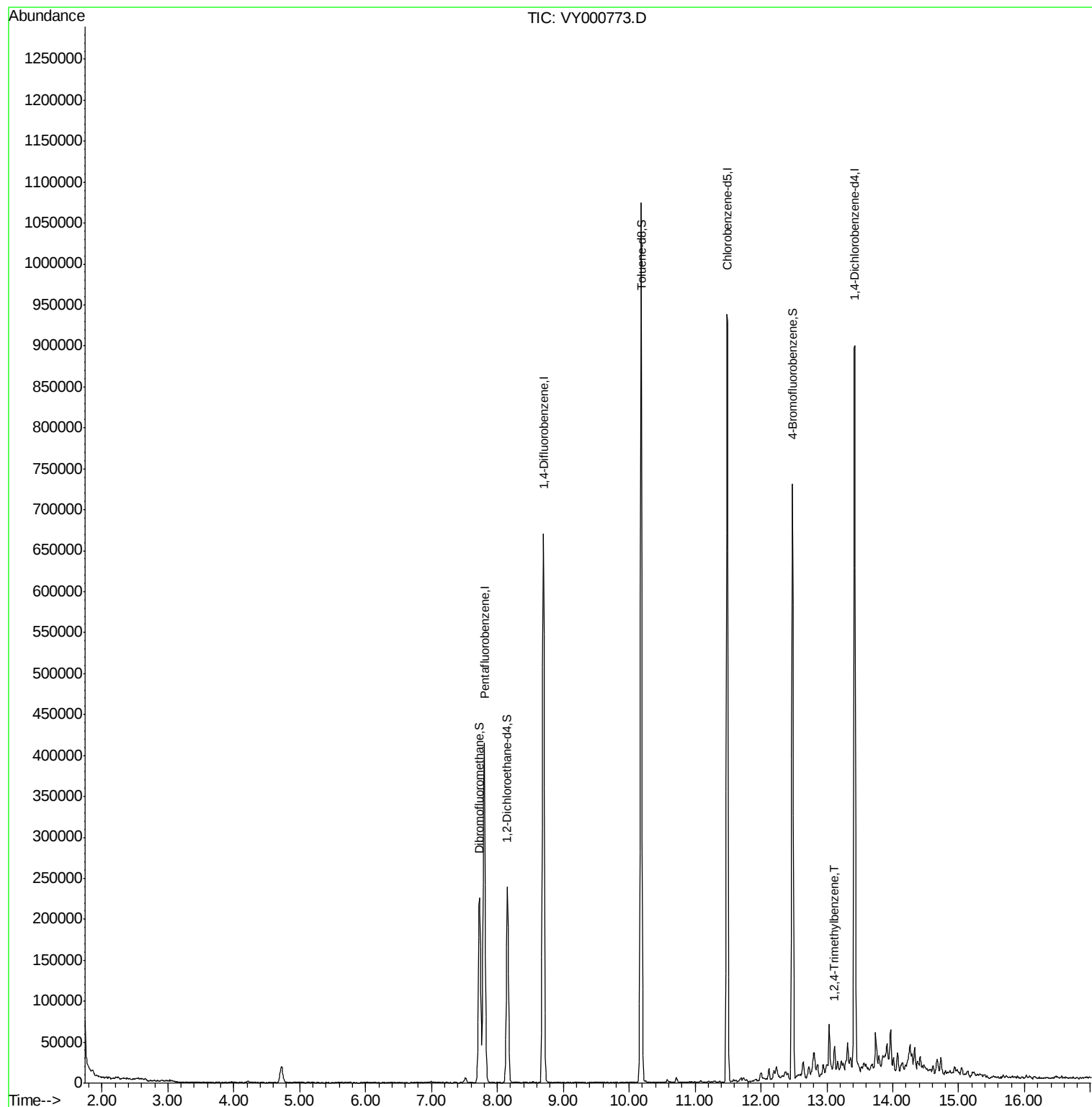
| Internal Standards          | R.T.   | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|--------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 7.80   | 168  | 312938   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.70   | 114  | 579420   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.49  | 117  | 516343   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.42  | 152  | 224843   | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |        |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.15   | 65   | 186673   | 57.64 | ug/l    | 0.00      |
| Spiked Amount               | 50.000 |      | Recovery | =     | 115.28% |           |
| 35) Dibromofluoromethane    | 7.73   | 113  | 164220   | 48.28 | ug/l    | 0.00      |
| Spiked Amount               | 50.000 |      | Recovery | =     | 96.56%  |           |
| 50) Toluene-d8              | 10.18  | 98   | 696495   | 53.96 | ug/l    | 0.00      |
| Spiked Amount               | 50.000 |      | Recovery | =     | 107.92% |           |
| 62) 4-Bromofluorobenzene    | 12.48  | 95   | 229816   | 46.77 | ug/l    | 0.00      |
| Spiked Amount               | 50.000 |      | Recovery | =     | 93.54%  |           |
| Target Compounds            |        |      |          |       |         |           |
| 84) 1,2,4-Trimethylbenzene  | 13.12  | 105  | 16603    | 1.205 | ug/l    | Qvalue 96 |

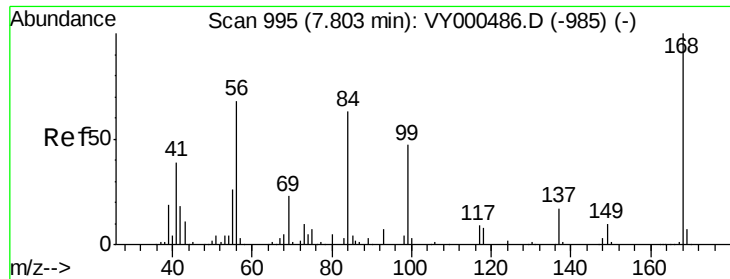
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 30 13:30:53 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY000773.D

Acq: 21 Nov 2019 17:11

Instrument :

MSVOA\_Y

ClientSampleId :

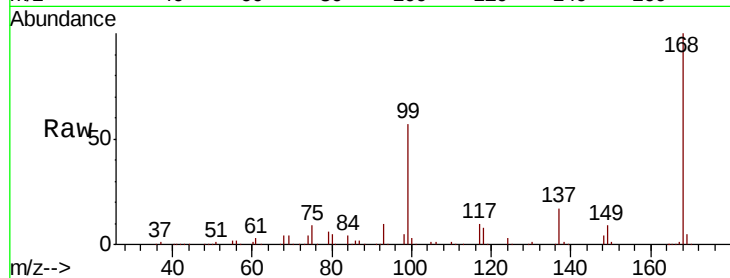
WS-112019-0-1-GRAB-B3

Tot Ion:168 Resp: 312938

Ion Ratio Lower Upper

168 100

99 56.8 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): VY000486.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY000486.D (-985) (-)

7.80

150000

100000

50000

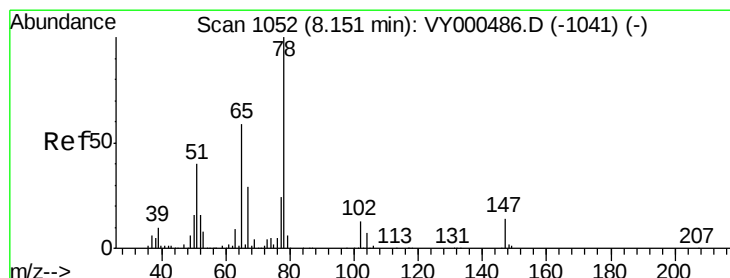
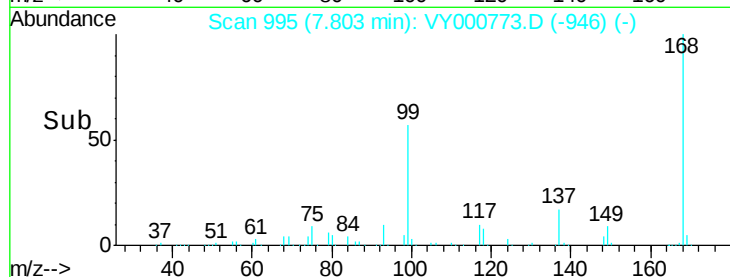
0

Time-->

7.70

7.80

7.90



#33

1,2-Dichloroethane-d4

Concen: 57.642 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY000773.D

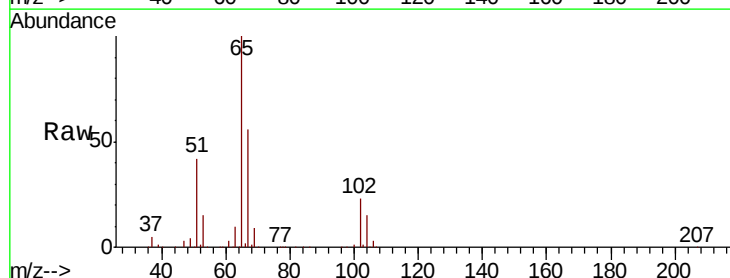
Acq: 21 Nov 2019 17:11

Tgt Ion: 65 Resp: 186673

Ion Ratio Lower Upper

65 100

67 54.9 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VY000486.D (-1041) (-)

Ion 66.90 (66.60 to 67.60): VY000486.D (-1041) (-)

8.15

80000

60000

40000

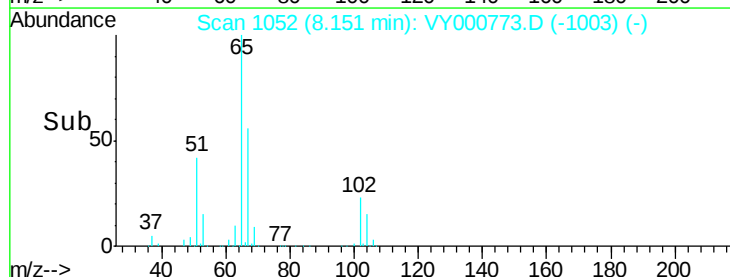
20000

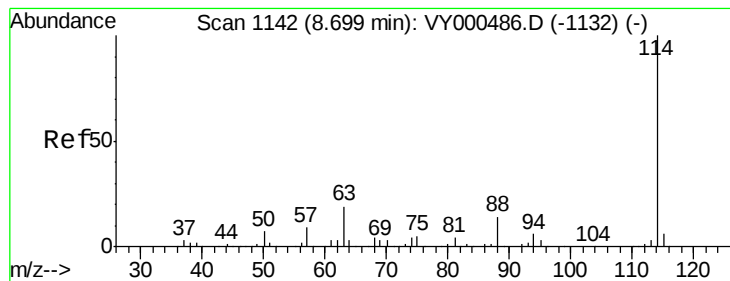
0

Time-->

8.10

8.20





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VY000773.D

Acq: 21 Nov 2019 17:11

Instrument :

MSVOA\_Y

ClientSampleId :

WS-112019-0-1-GRAB-B3

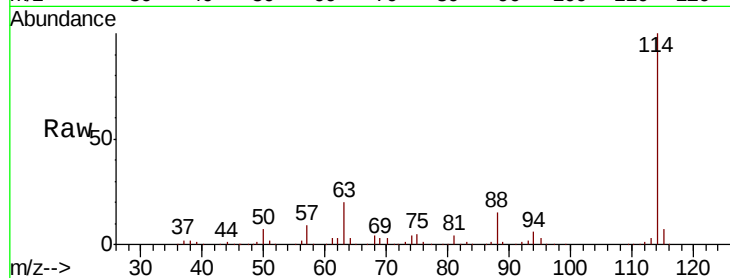
Tot Ion:114 Resp: 579420

Ion Ratio Lower Upper

114 100

63 19.9 0.0 38.0

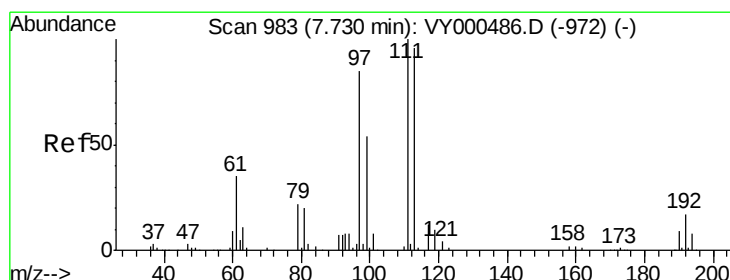
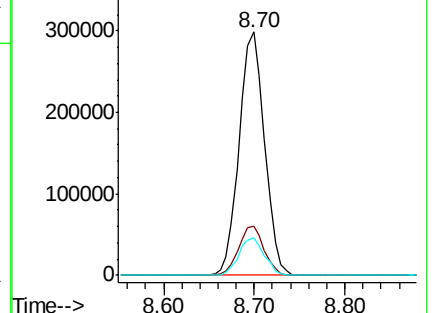
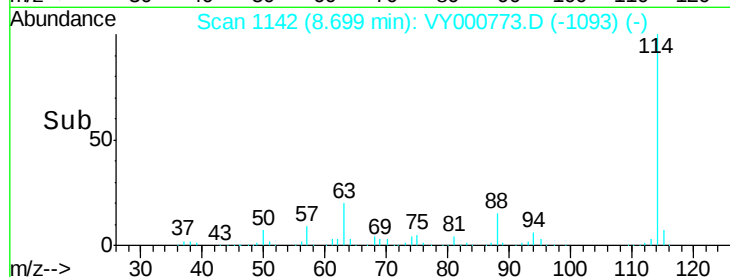
88 15.5 0.0 28.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0



#35

Dibromofluoromethane

Concen: 48.278 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY000773.D

Acq: 21 Nov 2019 17:11

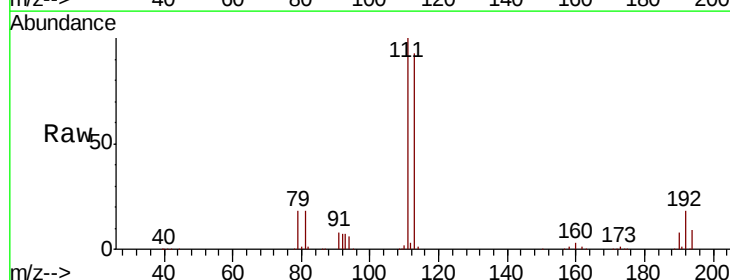
Tgt Ion:113 Resp: 164220

Ion Ratio Lower Upper

113 100

111 106.5 81.7 122.5

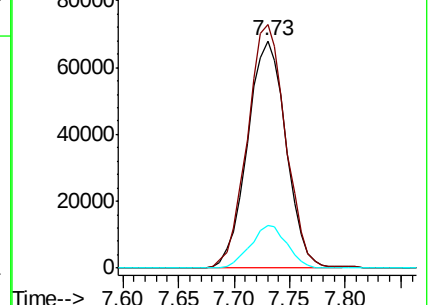
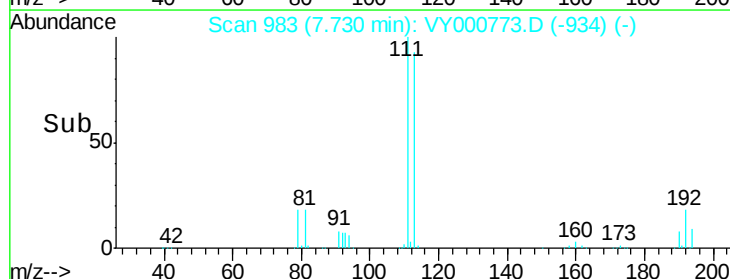
192 17.9 15.0 22.4

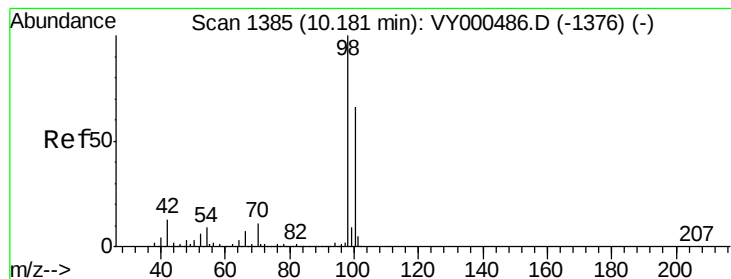


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 53.962 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000773.D

Acq: 21 Nov 2019 17:11

Instrument :

MSVOA\_Y

ClientSampleId :

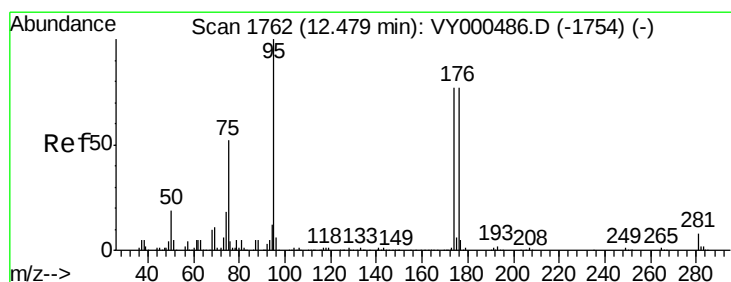
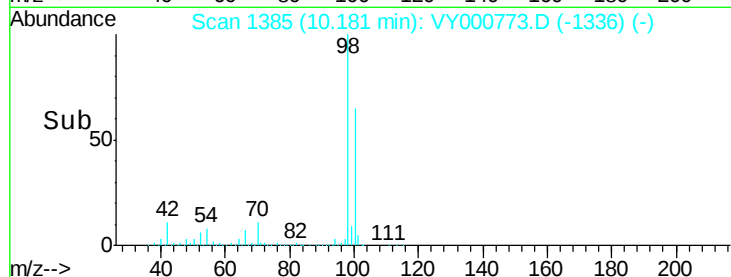
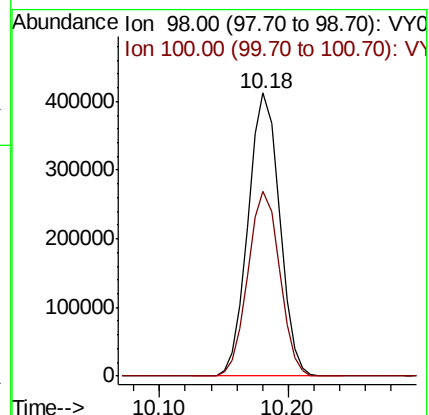
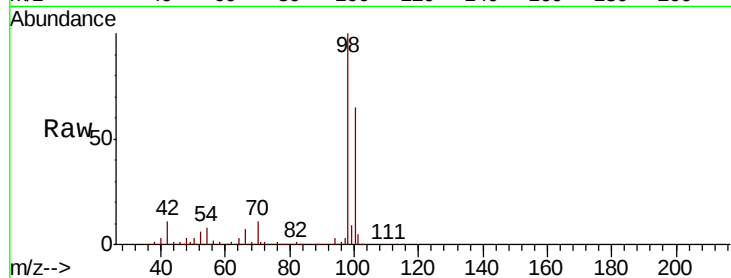
WS-112019-0-1-GRAB-B3

Tot Ion: 98 Resp: 696495

Ion Ratio Lower Upper

98 100

100 65.8 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 46.771 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000773.D

Acq: 21 Nov 2019 17:11

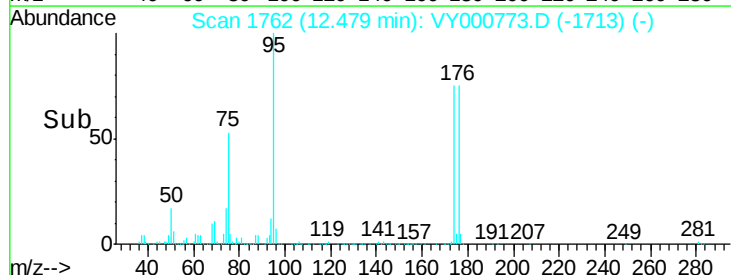
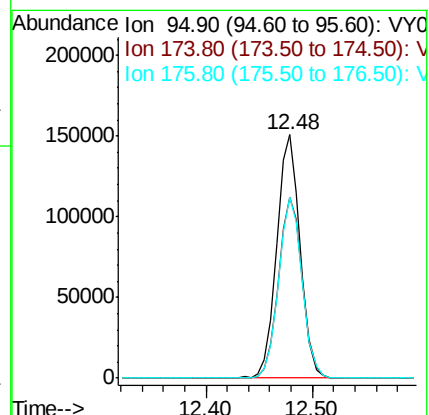
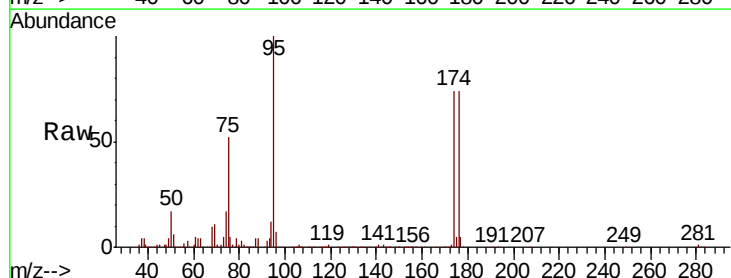
Tgt Ion: 95 Resp: 229816

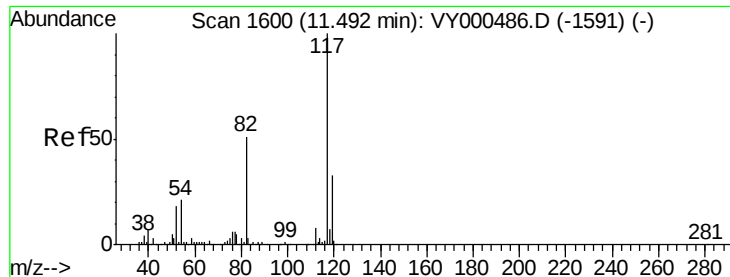
Ion Ratio Lower Upper

95 100

174 75.7 0.0 161.6

176 74.3 0.0 157.8

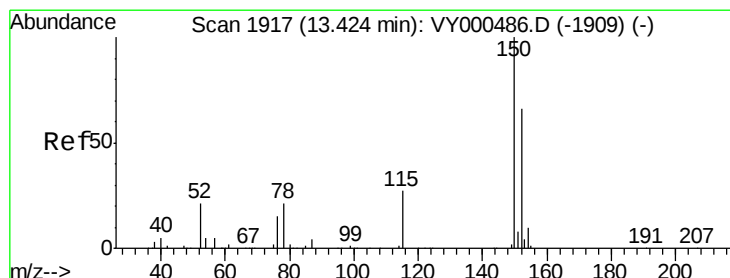
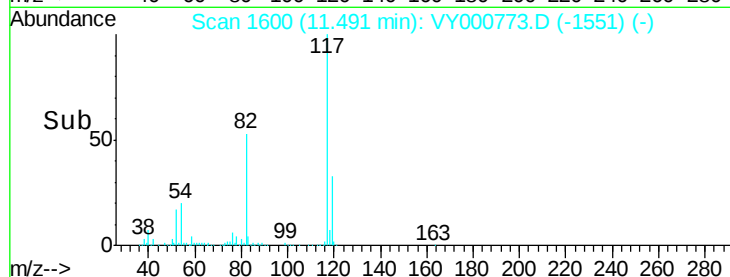
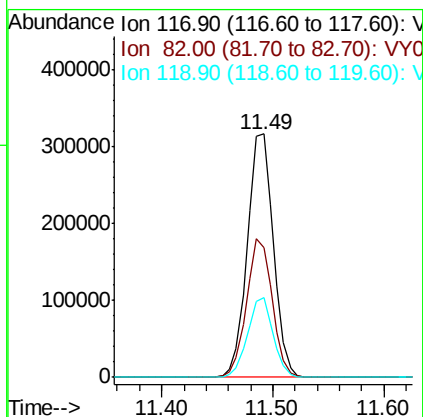
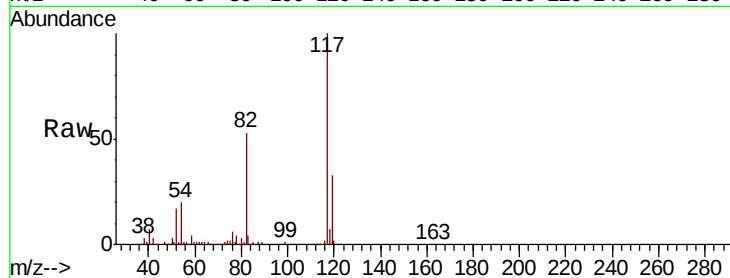




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1600  
Delta R.T. -0.00 min  
Lab File: VY000773.D  
Acq: 21 Nov 2019 17:11

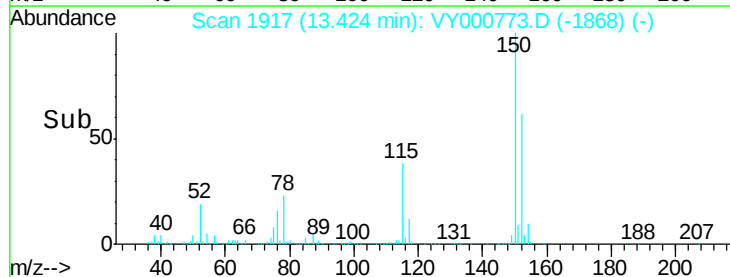
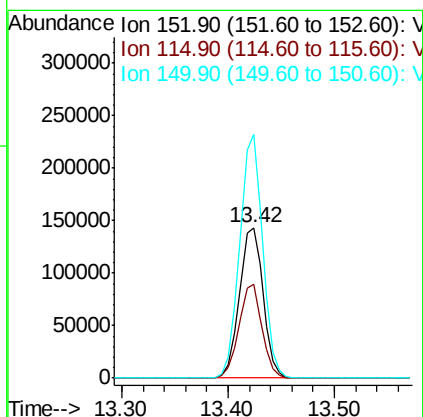
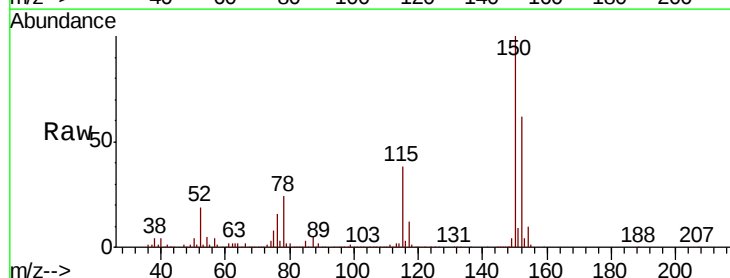
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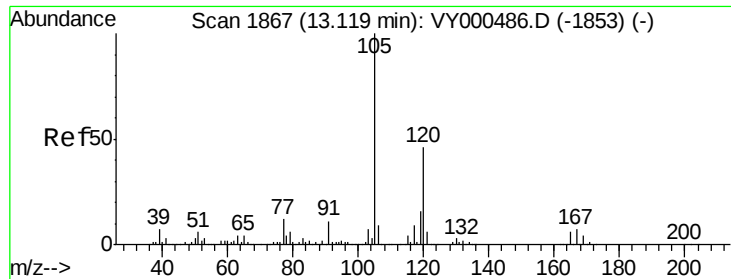
Tot Ion:117 Resp: 516343  
Ion Ratio Lower Upper  
117 100  
82 53.4 40.8 61.2  
119 32.7 26.2 39.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.42 min Scan# 1917  
Delta R.T. -0.00 min  
Lab File: VY000773.D  
Acq: 21 Nov 2019 17:11

Tgt Ion:152 Resp: 224843  
Ion Ratio Lower Upper  
152 100  
115 60.7 29.1 87.4  
150 156.3 0.0 348.8





#84  
 1,2,4-Trimethylbenzene  
 Concen: 1.205 ug/l  
 RT: 13.12 min Scan# 1867  
 Delta R.T. -0.00 min  
 Lab File: VY000773.D  
 Acq: 21 Nov 2019 17:11

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 WS-112019-0-1-GRAB-B3

Tot Ion:105 Resp: 16603  
 Ion Ratio Lower Upper  
 105 100  
 120 43.9 23.3 69.9

