

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091919\  
 Data File : VY000081.D  
 Acq On : 19 Sep 2019 16:42  
 Operator : SY/MD  
 Sample : K4878-11  
 Misc : 5.51g/5.00ml/MSVOA Y/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 CSA-2-8-2

Quant Time: Sep 20 03:35:21 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y091719S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Sep 19 05:38:39 2019  
 Response via : Initial Calibration

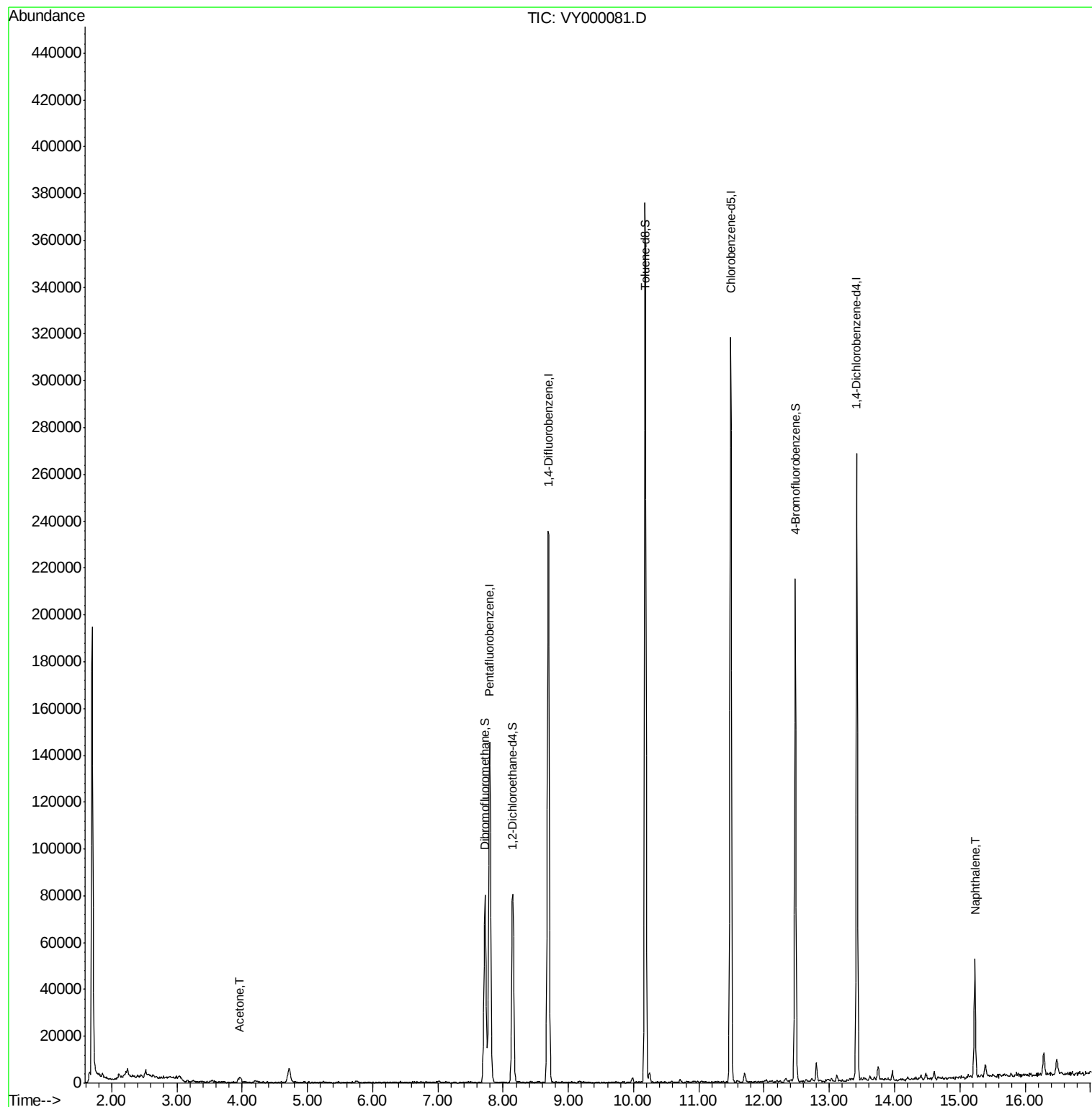
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.79  | 168  | 104526   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.70  | 114  | 208266   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.49 | 117  | 170962   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.42 | 152  | 60017    | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.15  | 65   | 60218    | 50.07  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 100.14% |          |
| 35) Dibromofluoromethane    | 7.73  | 113  | 57673    | 45.74  | ug/l    | 0.01     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 91.48%  |          |
| 50) Toluene-d8              | 10.18 | 98   | 239186   | 48.29  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 96.58%  |          |
| 62) 4-Bromofluorobenzene    | 12.48 | 95   | 74367    | 40.44  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 80.88%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.96  | 43   | 4179     | 14.925 | ug/l #  | 73       |
| 95) Naphthalene             | 15.23 | 128  | 38976    | 12.088 | ug/l    | 99       |

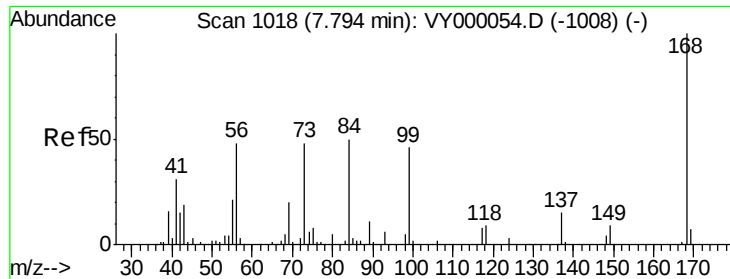
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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CSA-2-8-2

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QLast Update : Thu Sep 19 05:38:39 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VY000081.D

Acq: 19 Sep 2019 16:42

Instrument :

MSVOA\_Y

ClientSampled :

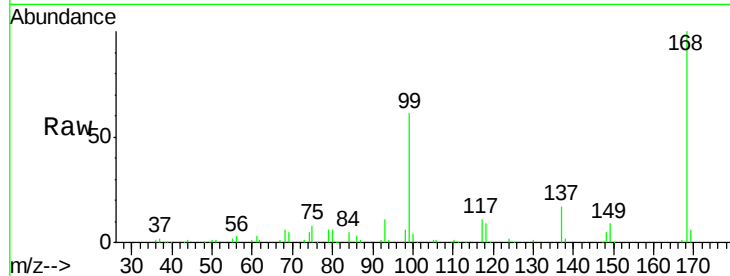
CSA-2-8-2

Tot Ion:168 Resp: 104526

Ion Ratio Lower Upper

168 100

99 61.1 44.2 66.2



Abundance Ion 167.90 (167.60 to 168.60): VY000054.D (-1008) (-)

Ion 98.90 (98.60 to 99.60): VY000054.D (-1008) (-)

7.79

50000

40000

30000

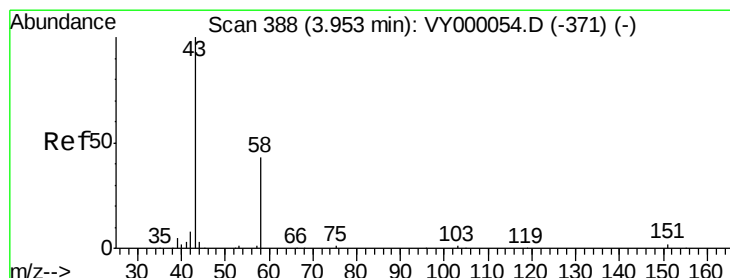
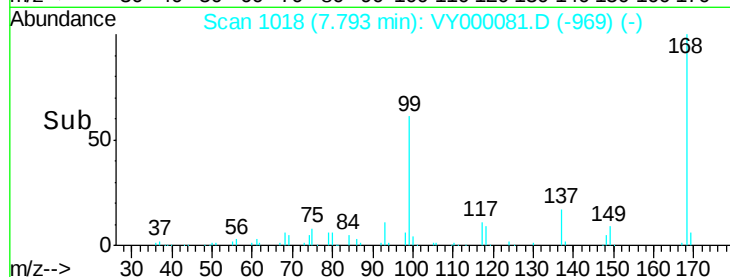
20000

10000

0

Time-->

7.70 7.75 7.80 7.85 7.90



#16

Acetone

Concen: 14.925 ug/l

RT: 3.96 min Scan# 390

Delta R.T. 0.01 min

Lab File: VY000081.D

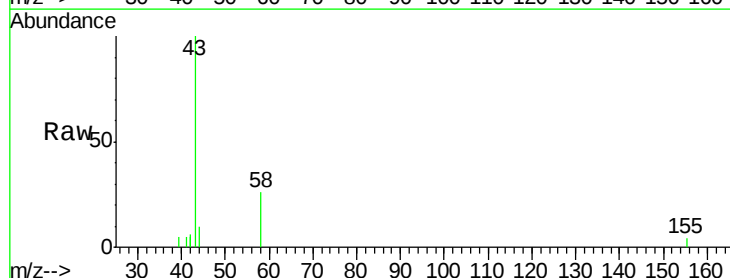
Acq: 19 Sep 2019 16:42

Tgt Ion: 43 Resp: 4179

Ion Ratio Lower Upper

43 100

58 25.8 34.5 51.7#



Abundance Ion 43.00 (42.70 to 43.70): VY000054.D (-371) (-)

Ion 58.00 (57.70 to 58.70): VY000054.D (-371) (-)

3.96

1500

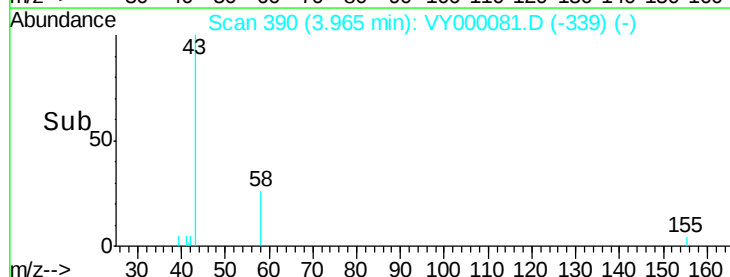
1000

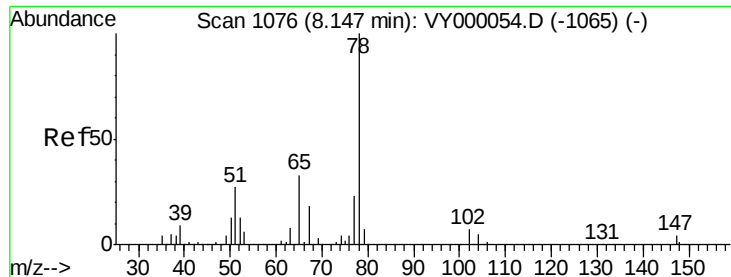
500

0

Time-->

3.85 3.90 3.95 4.00 4.05





#33

1,2-Dichloroethane-d4

Concen: 50.074 ug/l

RT: 8.15 min Scan# 1076

Delta R.T. -0.00 min

Lab File: VY000081.D

Acq: 19 Sep 2019 16:42

Instrument :

MSVOA\_Y

ClientSampleId :

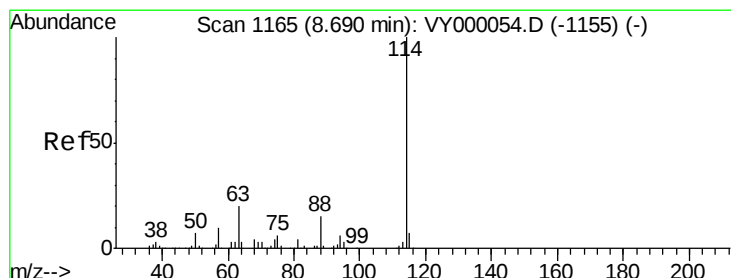
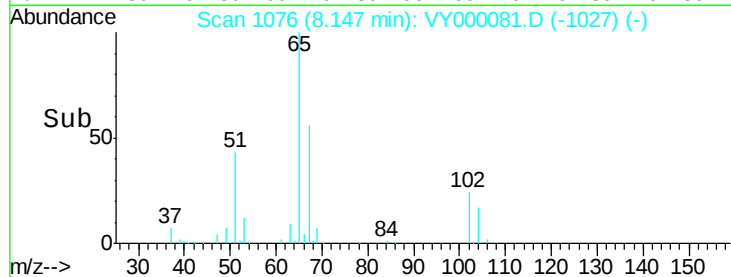
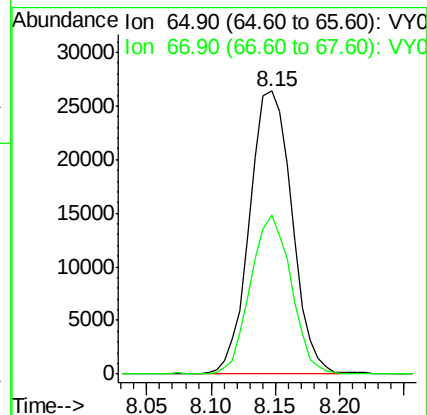
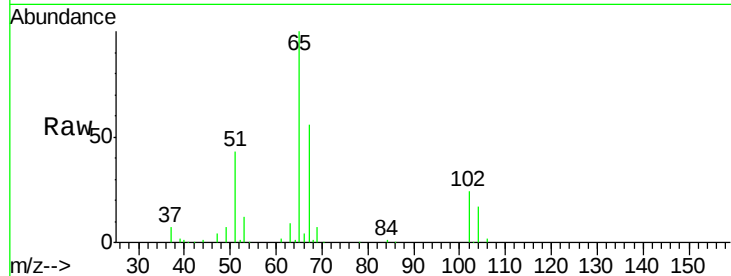
CSA-2-8-2

Tot Ion: 65 Resp: 60218

Ion Ratio Lower Upper

65 100

67 54.1 0.0 111.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1166

Delta R.T. 0.01 min

Lab File: VY000081.D

Acq: 19 Sep 2019 16:42

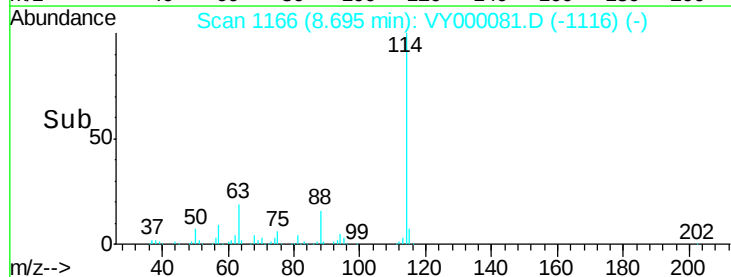
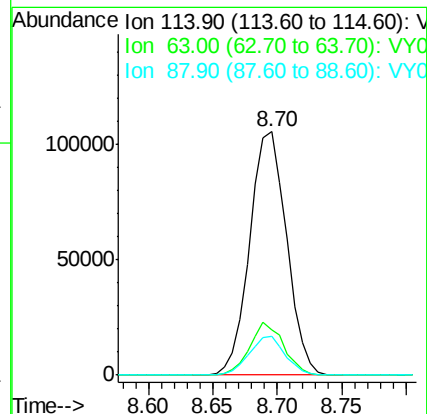
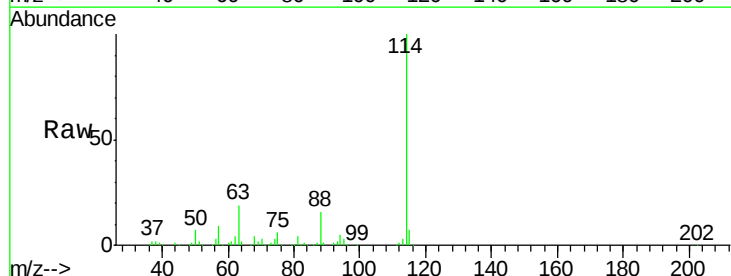
Tgt Ion: 114 Resp: 208266

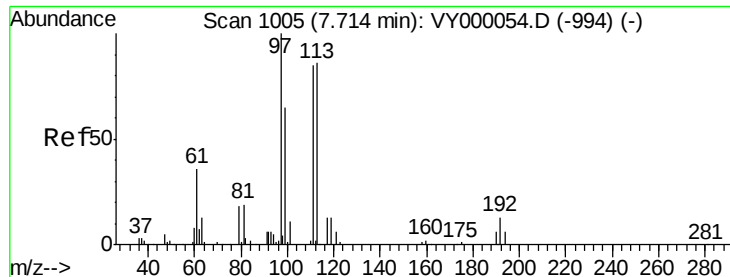
Ion Ratio Lower Upper

114 100

63 18.6 0.0 39.4

88 16.2 0.0 30.2





#35

Dibromofluoromethane

Concen: 45.736 ug/l

RT: 7.73 min Scan# 1007

Delta R.T. 0.01 min

Lab File: VY000081.D

Acq: 19 Sep 2019 16:42

Instrument :

MSVOA\_Y

ClientSampleId :

CSA-2-8-2

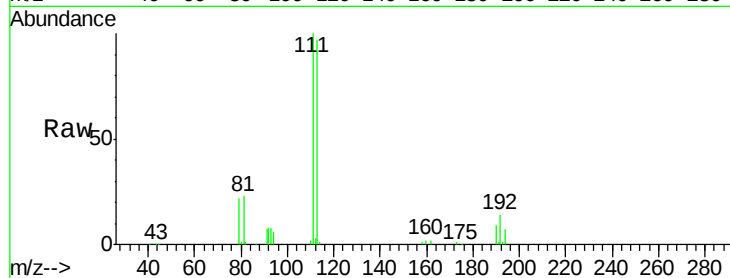
Tot Ion:113 Resp: 57673

Ion Ratio Lower Upper

113 100

111 102.1 81.7 122.5

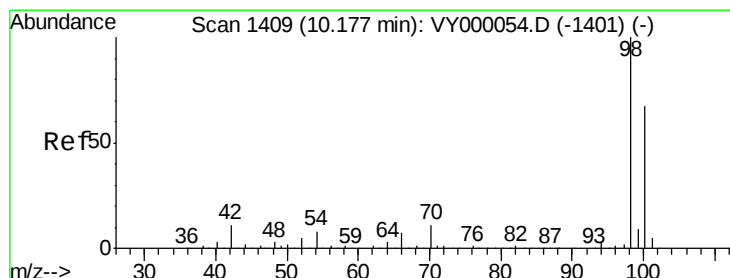
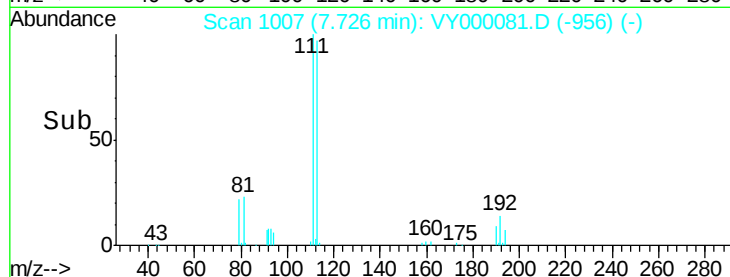
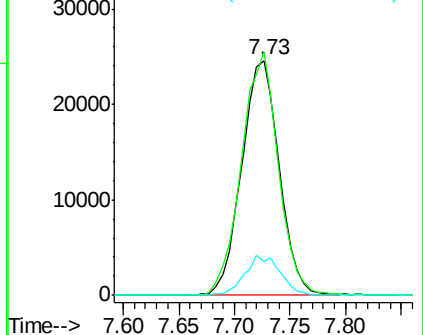
192 15.9 13.4 20.2



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: 48.293 ug/l

RT: 10.18 min Scan# 1409

Delta R.T. -0.00 min

Lab File: VY000081.D

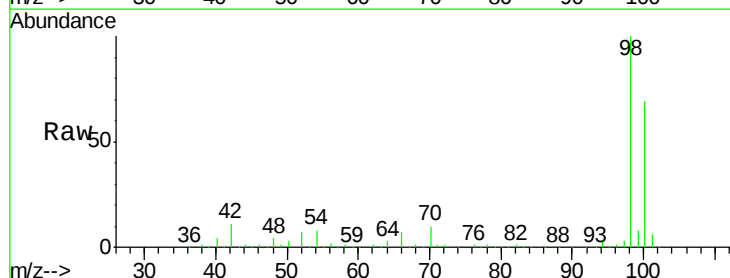
Acq: 19 Sep 2019 16:42

Tgt Ion: 98 Resp: 239186

Ion Ratio Lower Upper

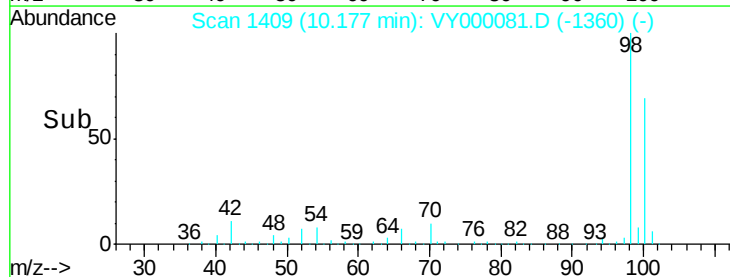
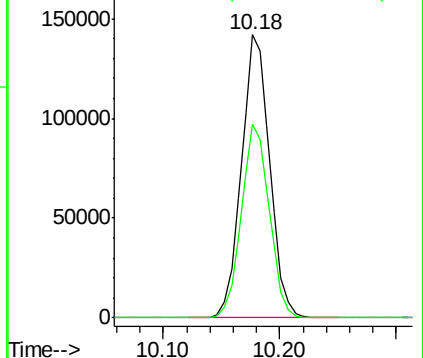
98 100

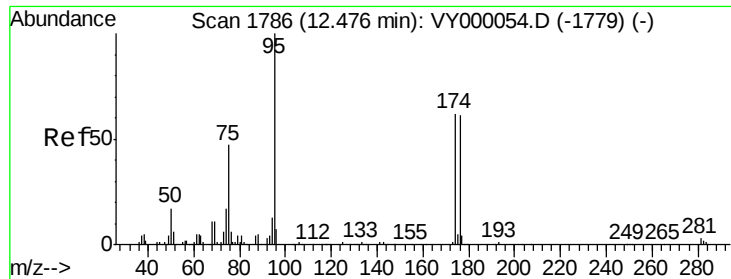
100 67.8 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY





#62

4-Bromofluorobenzene

Concen: 40.442 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.00 min

Lab File: VY000081.D

Acq: 19 Sep 2019 16:42

Instrument :

MSVOA\_Y

ClientSampleId :

CSA-2-8-2

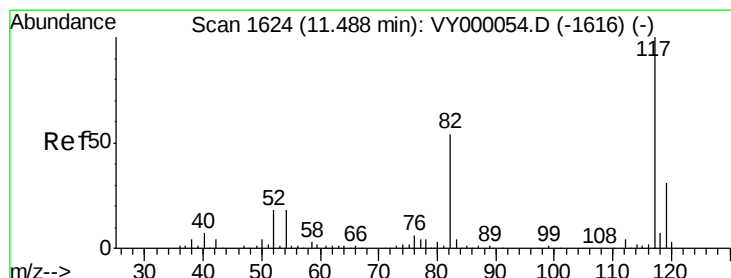
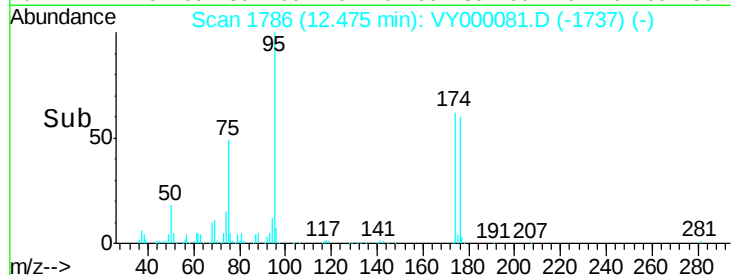
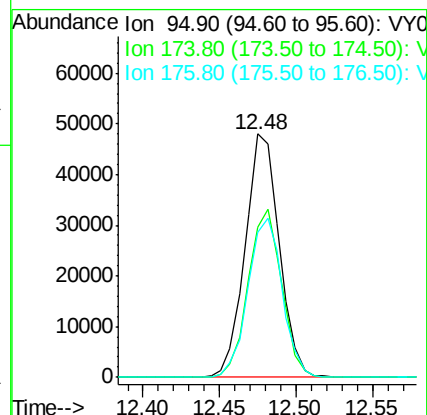
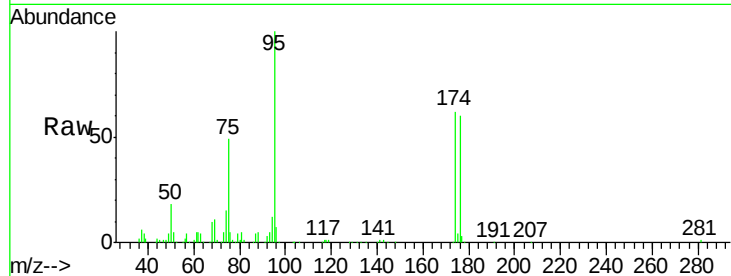
Tot Ion: 95 Resp: 74367

Ion Ratio Lower Upper

95 100

174 67.7 0.0 137.2

176 65.6 0.0 135.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1624

Delta R.T. -0.00 min

Lab File: VY000081.D

Acq: 19 Sep 2019 16:42

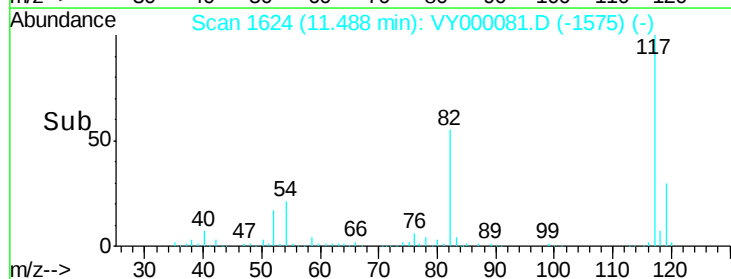
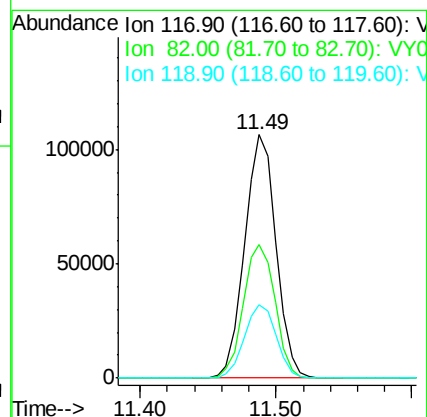
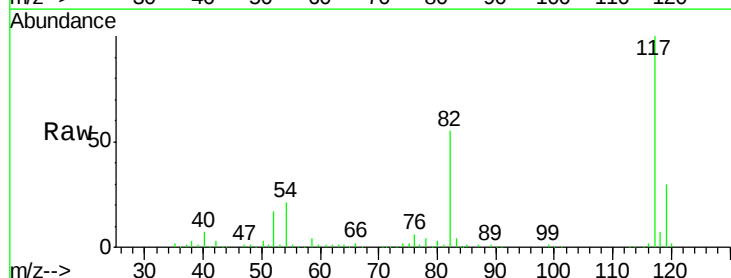
Tgt Ion: 117 Resp: 170962

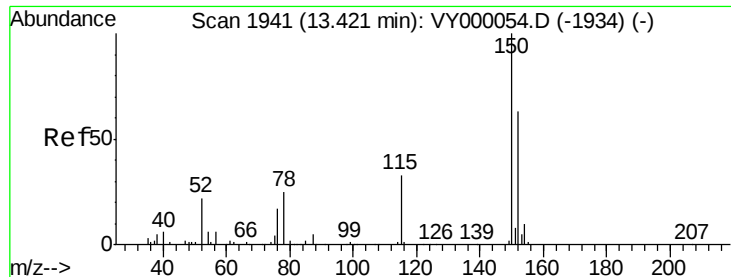
Ion Ratio Lower Upper

117 100

82 54.8 43.5 65.3

119 30.1 24.6 36.8



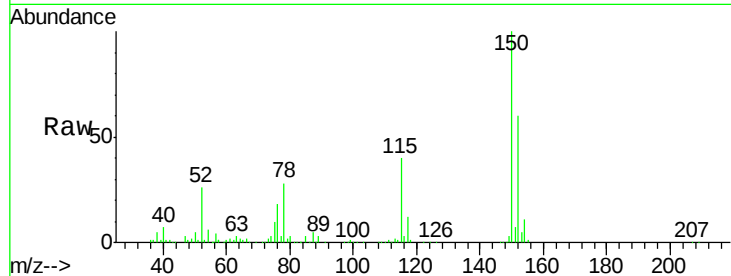


#72

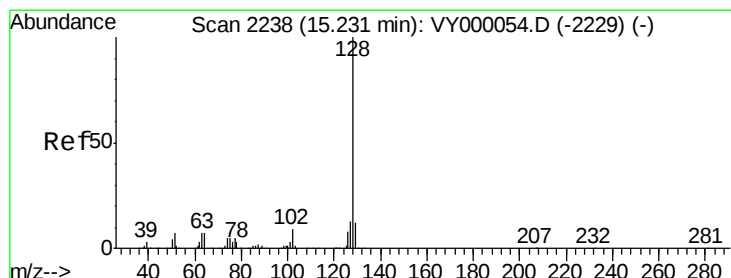
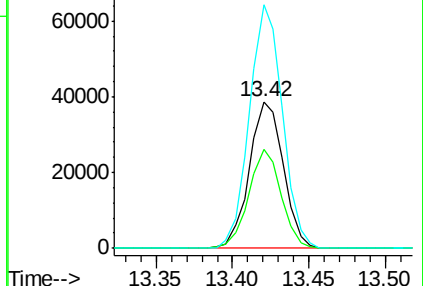
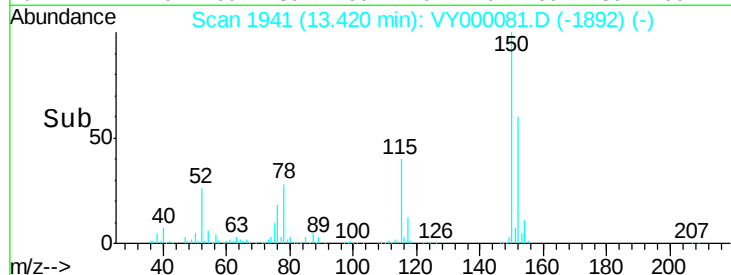
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.42 min Scan# 1941  
Delta R.T. -0.00 min  
Lab File: VY000081.D  
Acq: 19 Sep 2019 16:42

Instrument :  
MSVOA\_Y  
ClientSampleId :  
CSA-2-8-2

Tot Ion:152 Resp: 60017  
Ion Ratio Lower Upper  
152 100  
115 64.3 30.7 92.1  
150 161.1 0.0 351.6



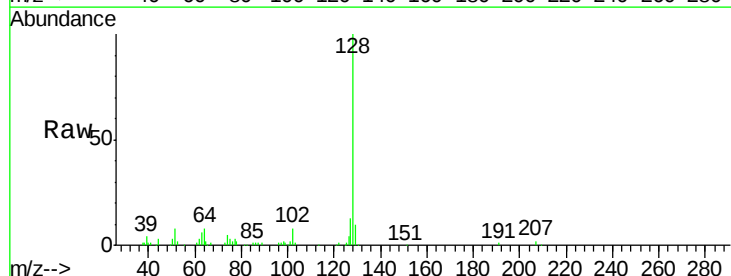
Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V



#95

Naphthalene  
Concen: 12.088 ug/l  
RT: 15.23 min Scan# 2238  
Delta R.T. -0.00 min  
Lab File: VY000081.D  
Acq: 19 Sep 2019 16:42

Tgt Ion:128 Resp: 38976  
Ion Ratio Lower Upper  
128 100  
127 12.2 10.3 15.5  
129 11.2 9.2 13.8



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

