

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY102919\  
 Data File : VY000476.D  
 Acq On : 29 Oct 2019 15:52  
 Operator : SY/MD  
 Sample : K5564-05  
 Misc : 5.16G/5ML/MSVOA Y/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 CSA-2-1-2-4

Quant Time: Oct 30 07:44:18 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y101119S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 17 02:03:07 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.80  | 168  | 180587   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.70  | 114  | 317098   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.49 | 117  | 256636   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.42 | 152  | 87174    | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.16   | 65  | 104426   | 54.82 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 109.64% |      |
| 35) Dibromofluoromethane    | 7.73   | 113 | 94231    | 49.26 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 98.52%  |      |
| 50) Toluene-d8              | 10.19  | 98  | 355273   | 48.28 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 96.56%  |      |
| 62) 4-Bromofluorobenzene    | 12.48  | 95  | 95738    | 34.25 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 68.50%  |      |

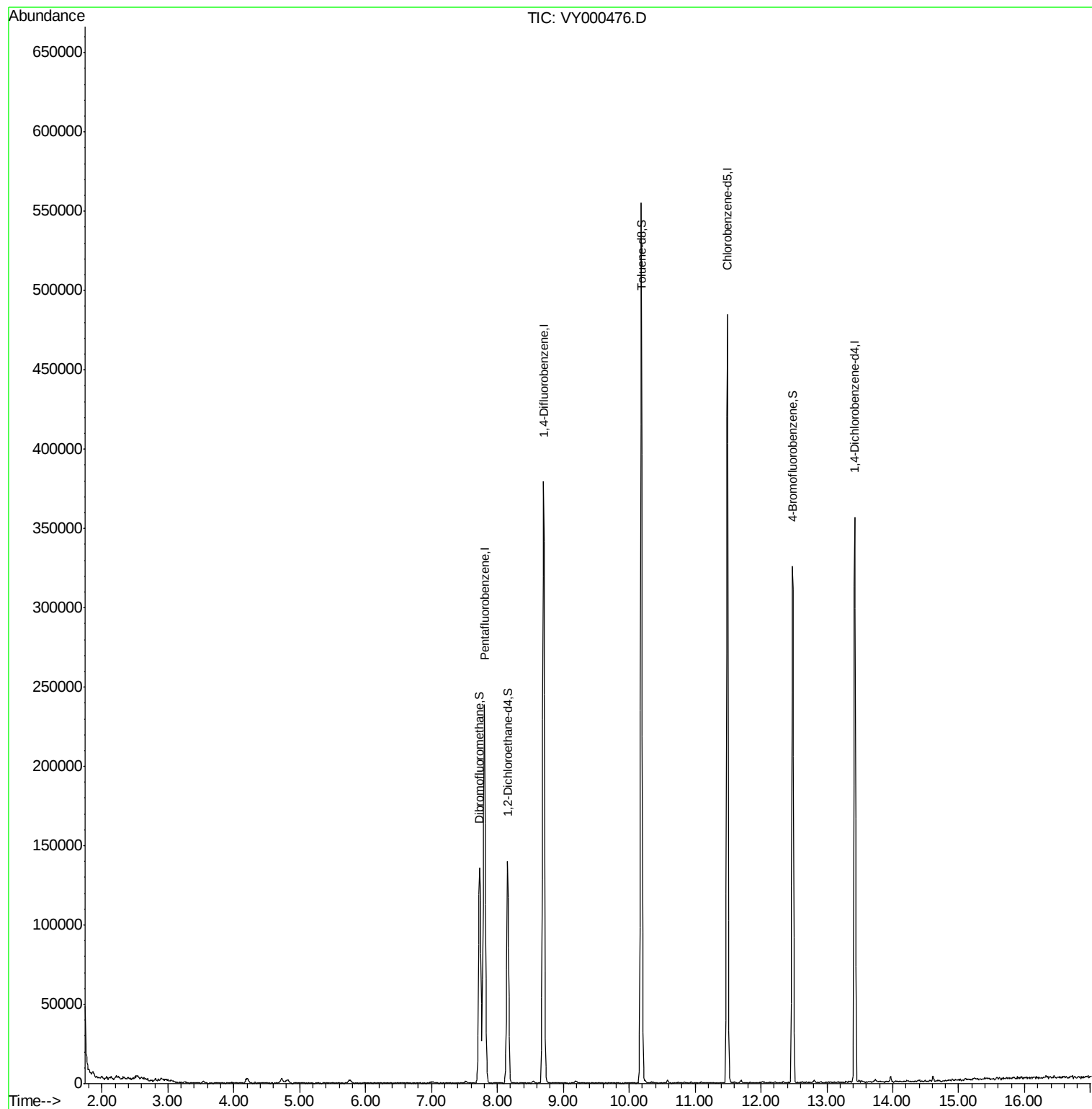
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

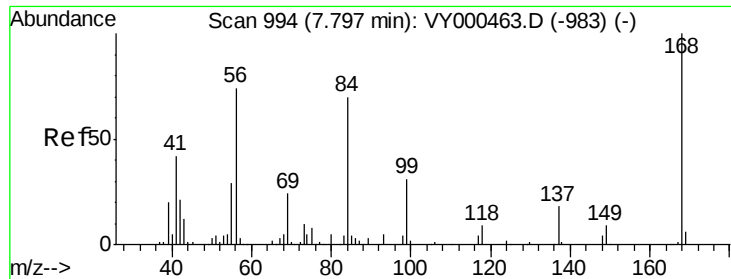
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On : 29 Oct 2019 15:52  
Operator : SY/MD  
Sample : K5564-05  
Misc : 5.16G/5ML/MSVOA Y/SOIL  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
CSA-2-1-2-4

Quant Time: Oct 30 07:44:18 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y101119S.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 17 02:03:07 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: VY000476.D

Acq: 29 Oct 2019 15:52

Instrument :

MSVOA\_Y

ClientSampleId :

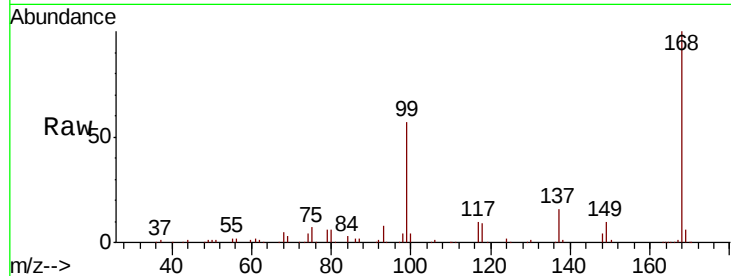
CSA-2-1-2-4

Tot Ion:168 Resp: 180587

Ion Ratio Lower Upper

168 100

99 56.8 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VY000463.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY000463.D (-983) (-)

7.80

80000

60000

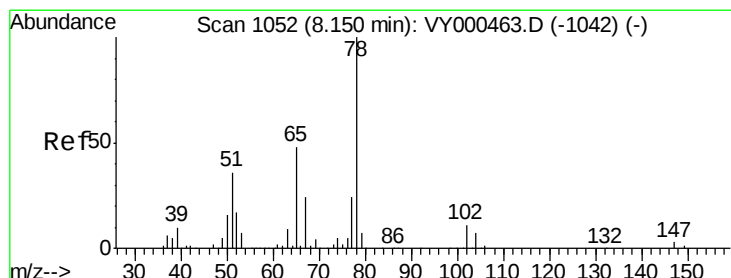
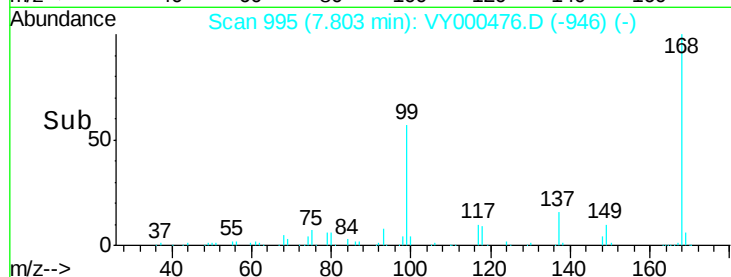
40000

20000

0

Time-->

7.70 7.80 7.90



#33

1,2-Dichloroethane-d4

Concen: 54.819 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VY000476.D

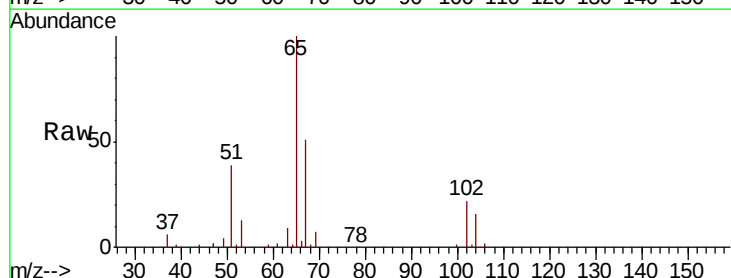
Acq: 29 Oct 2019 15:52

Tgt Ion: 65 Resp: 104426

Ion Ratio Lower Upper

65 100

67 51.8 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VY000463.D (-1042) (-)

Ion 66.90 (66.60 to 67.60): VY000463.D (-1042) (-)

8.16

50000

40000

30000

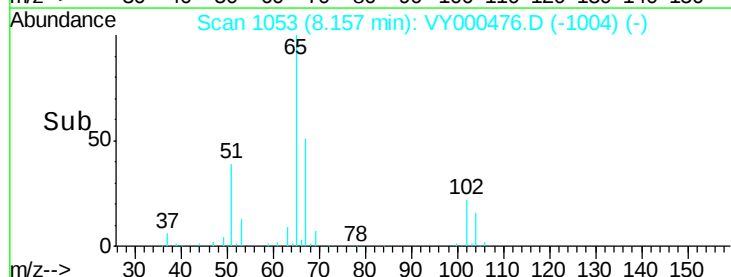
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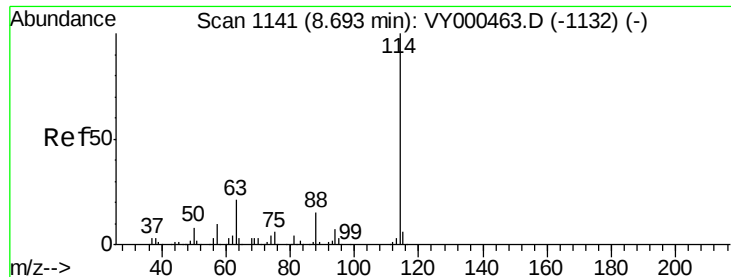
10000

0

Time-->

8.10 8.20

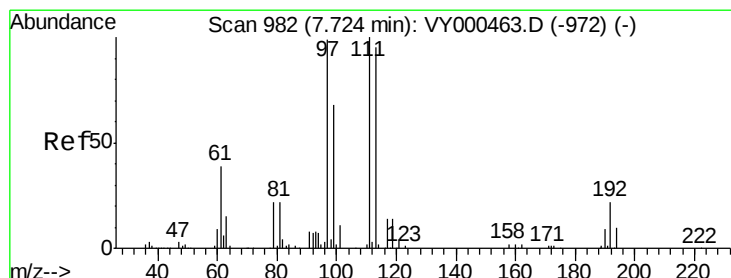
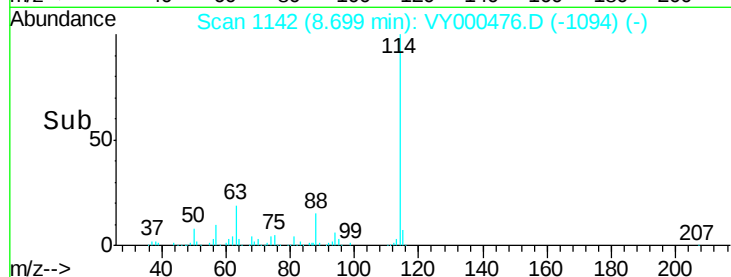
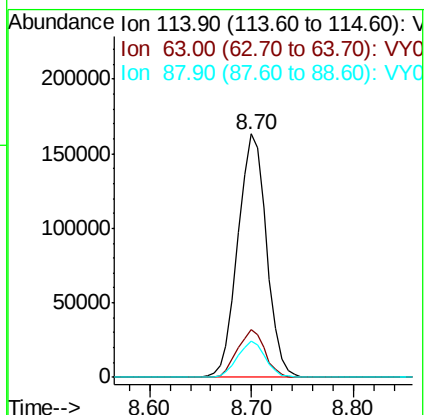
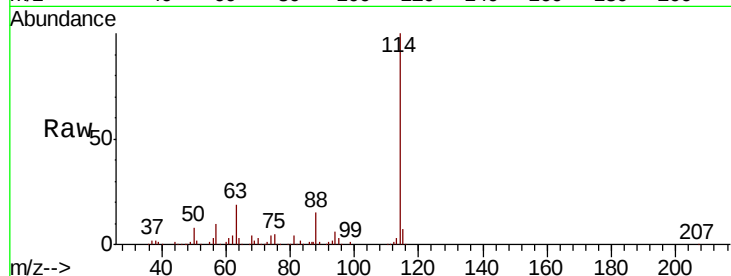




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.70 min Scan# 1142  
Delta R.T. -0.01 min  
Lab File: VY000476.D  
Acq: 29 Oct 2019 15:52

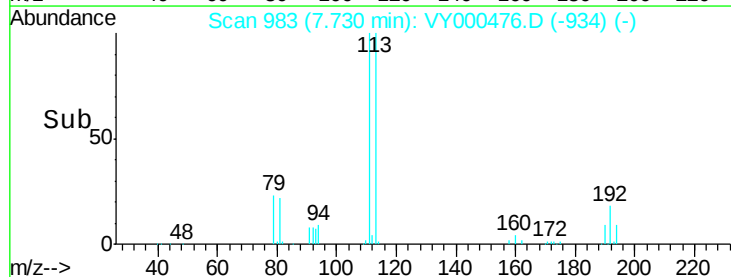
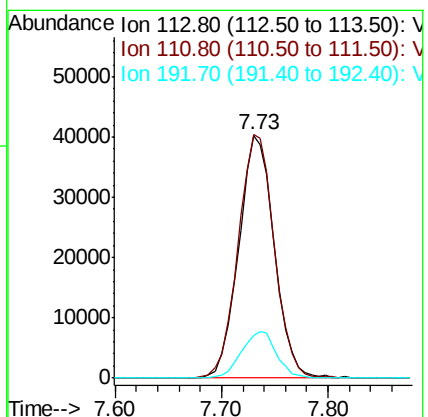
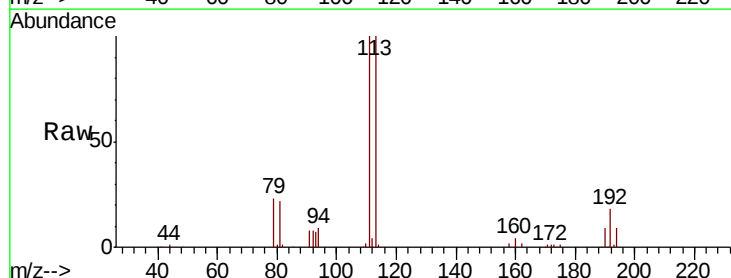
Instrument :  
MSVOA\_Y  
ClientSampleId :  
CSA-2-1-2-4

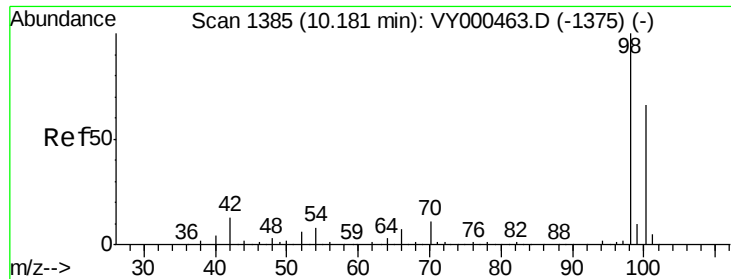
Tot Ion:114 Resp: 317098  
Ion Ratio Lower Upper  
114 100  
63 19.5 0.0 37.2  
88 14.8 0.0 30.2



#35  
Dibromofluoromethane  
Concen: 49.264 ug/l  
RT: 7.73 min Scan# 983  
Delta R.T. -0.00 min  
Lab File: VY000476.D  
Acq: 29 Oct 2019 15:52

Tgt Ion:113 Resp: 94231  
Ion Ratio Lower Upper  
113 100  
111 102.1 81.6 122.4  
192 18.9 15.3 22.9





#50

Toluene-d8

Concen: 48.285 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.00 min

Lab File: VY000476.D

Acq: 29 Oct 2019 15:52

Instrument :

MSVOA\_Y

ClientSampleId :

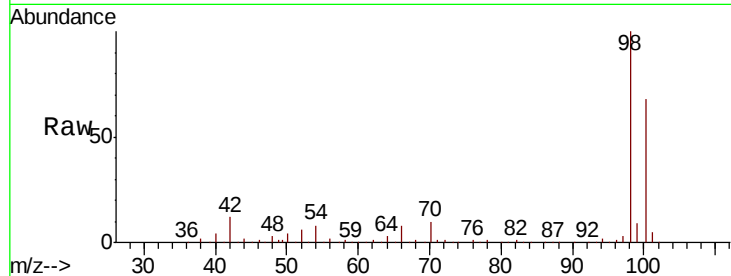
CSA-2-1-2-4

Tot Ion: 98 Resp: 355273

Ion Ratio Lower Upper

98 100

100 67.4 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

10.19

200000

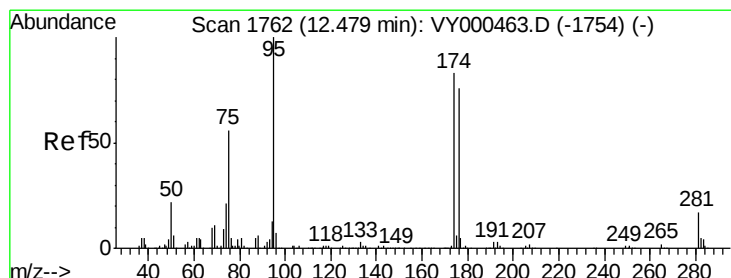
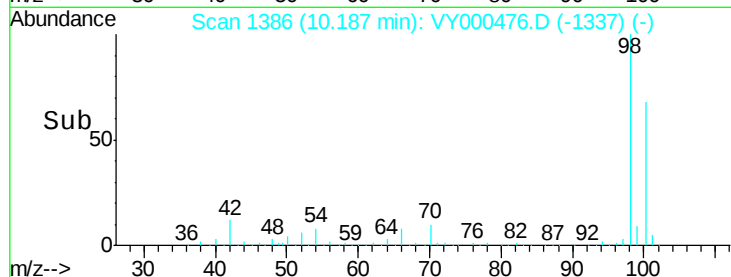
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 34.249 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VY000476.D

Acq: 29 Oct 2019 15:52

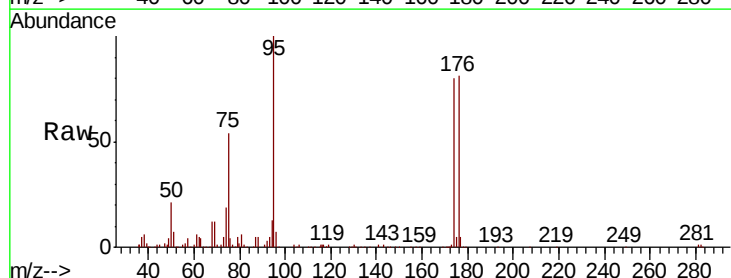
Tgt Ion: 95 Resp: 95738

Ion Ratio Lower Upper

95 100

174 84.5 0.0 159.6

176 85.9 0.0 153.8



Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.48

80000

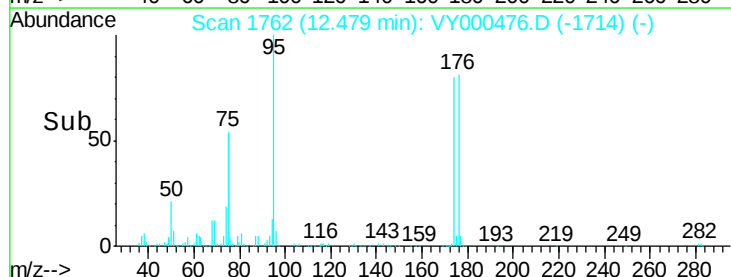
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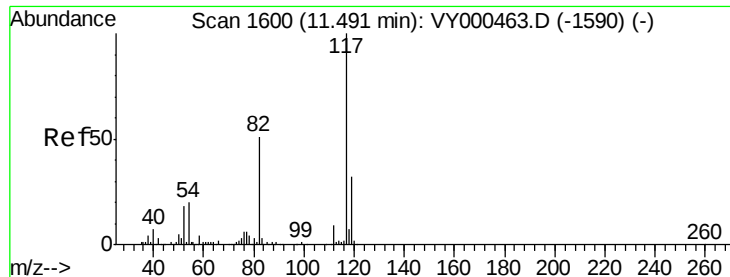
40000

20000

0

Time-->

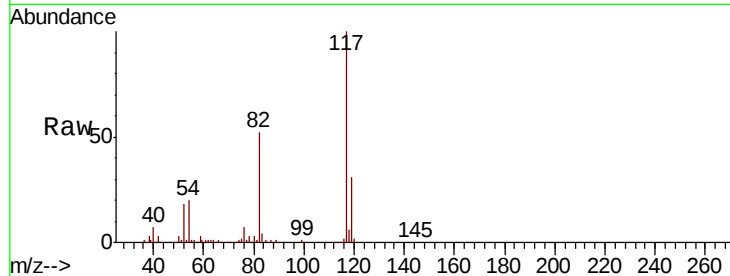




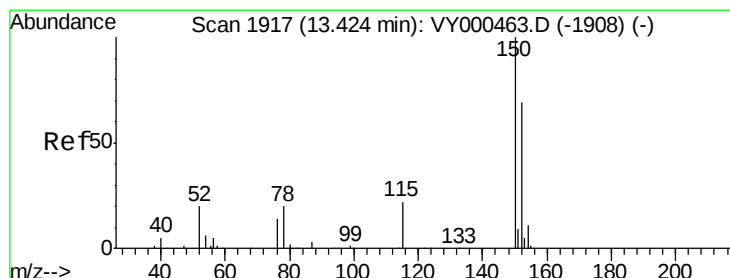
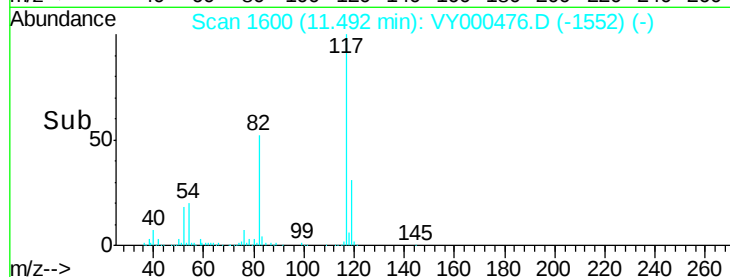
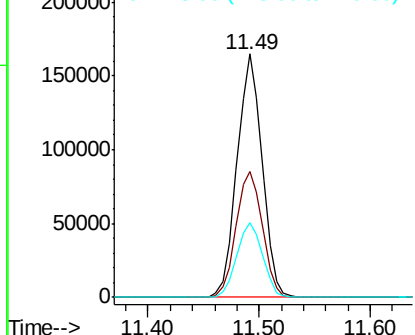
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1600  
Delta R.T. -0.01 min  
Lab File: VY000476.D  
Acq: 29 Oct 2019 15:52

Instrument :  
MSVOA\_Y  
ClientSampleId :  
CSA-2-1-2-4

Tot Ion:117 Resp: 256636  
Ion Ratio Lower Upper  
117 100  
82 51.7 43.7 65.5  
119 30.7 26.6 39.8

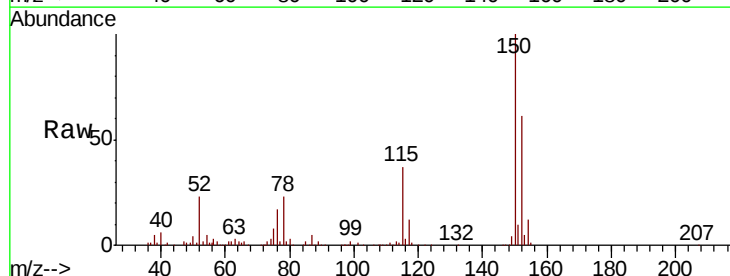


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VY0  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.42 min Scan# 1917  
Delta R.T. -0.01 min  
Lab File: VY000476.D  
Acq: 29 Oct 2019 15:52

Tgt Ion:152 Resp: 87174  
Ion Ratio Lower Upper  
152 100  
115 58.0 29.3 88.0  
150 159.5 0.0 348.4



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

