

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY102519\  
 Data File : VY000428.D  
 Acq On : 25 Oct 2019 14:56  
 Operator : SY/MD  
 Sample : K5539-04  
 Misc : 7.69G/5ML/MSVOA Y/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 161-16-1)

Quant Time: Nov 07 01:05:26 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

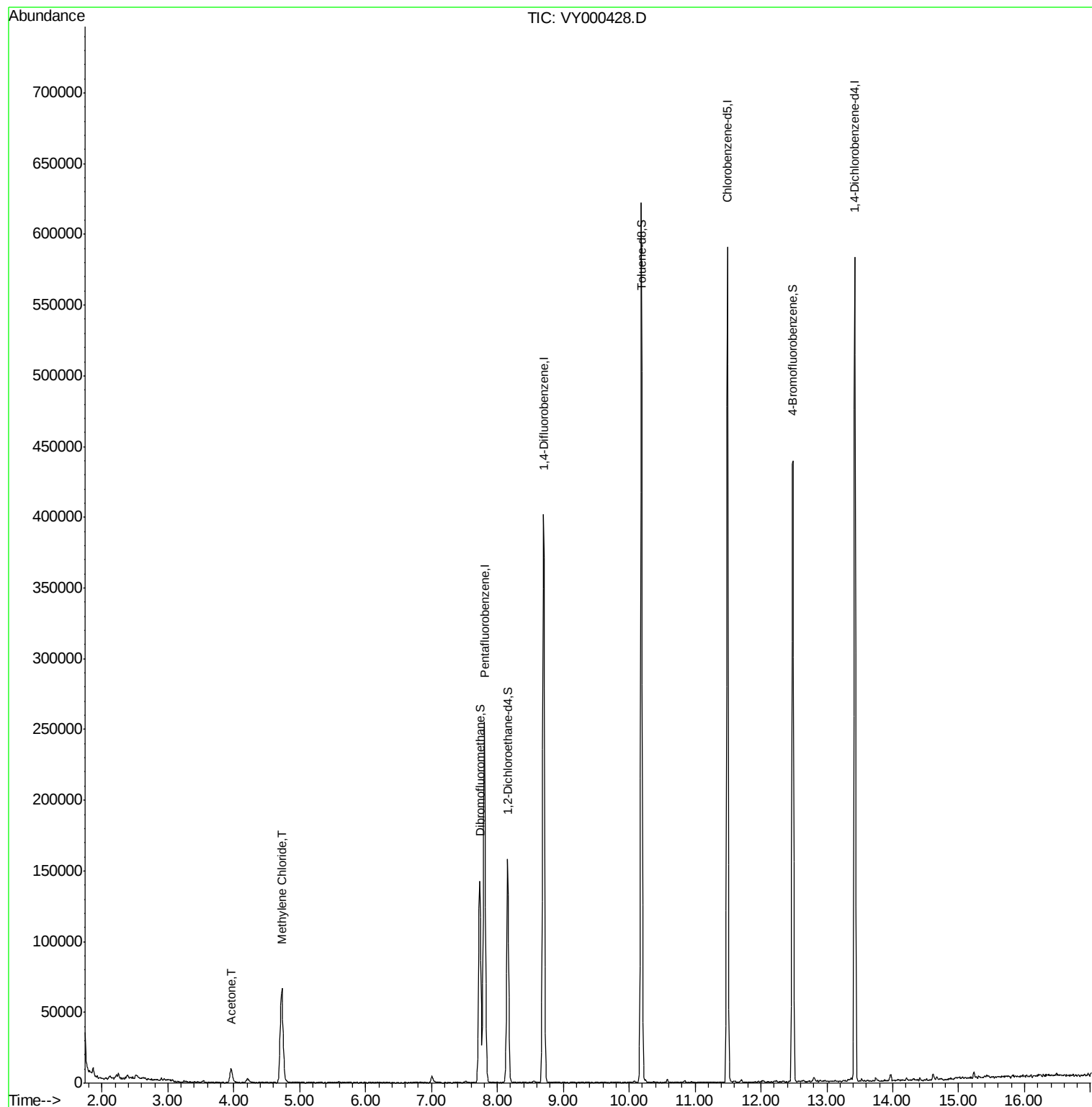
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.80  | 168  | 202107   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.70  | 114  | 347817   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.49 | 117  | 309819   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.42 | 152  | 139217   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.16  | 65   | 115090   | 53.98  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 107.96% |          |
| 35) Dibromofluoromethane    | 7.74  | 113  | 97927    | 46.67  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 93.34%  |          |
| 50) Toluene-d8              | 10.19 | 98   | 397647   | 49.27  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.54%  |          |
| 62) 4-Bromofluorobenzene    | 12.49 | 95   | 138231   | 45.08  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 90.16%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.96  | 43   | 16167    | 23.417 | ug/l    | 97       |
| 20) Methylene Chloride      | 4.73  | 84   | 49604    | 17.826 | ug/l    | 92       |

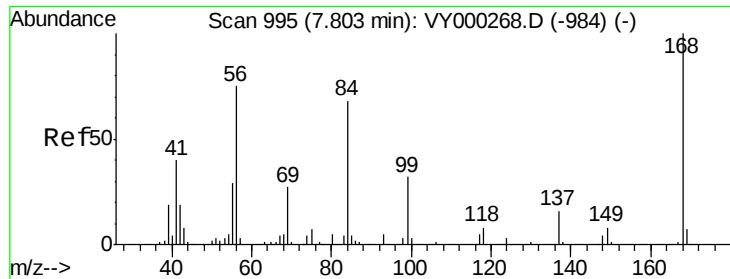
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY102519\  
Data File : VY000428.D  
Acq On : 25 Oct 2019 14:56  
Operator : SY/MD  
Sample : K5539-04  
Misc : 7.69G/5ML/MSVOA Y/SOIL  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
161-16-(1)

Quant Time: Nov 07 01:05:26 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: VY000428.D

Acq: 25 Oct 2019 14:56

Instrument :

MSVOA\_Y

ClientSampled :

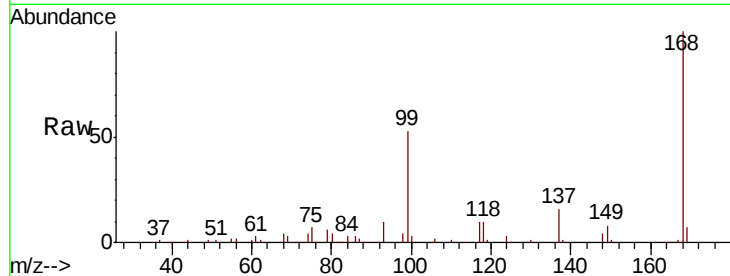
161-16-(1)

Tot Ion:168 Resp: 202107

Ion Ratio Lower Upper

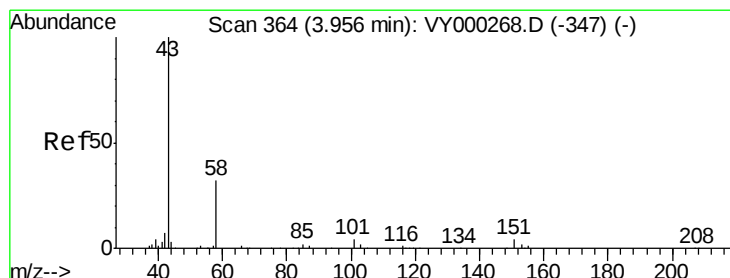
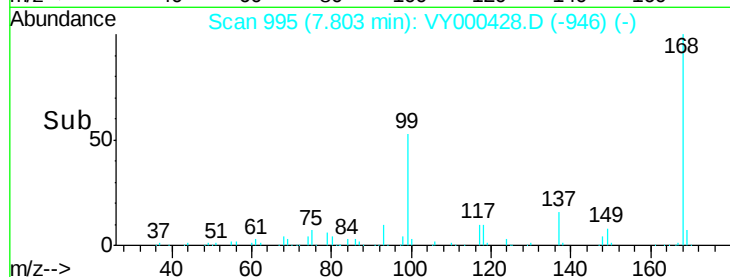
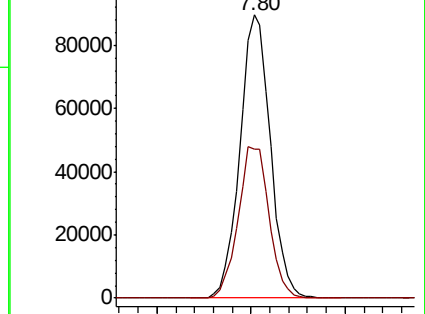
168 100

99 52.5 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VY000428.D (-946) (-)

Ion 98.90 (98.60 to 99.60): VY000428.D (-946) (-)



#16

Acetone

Concen: 23.417 ug/l

RT: 3.96 min Scan# 364

Delta R.T. -0.00 min

Lab File: VY000428.D

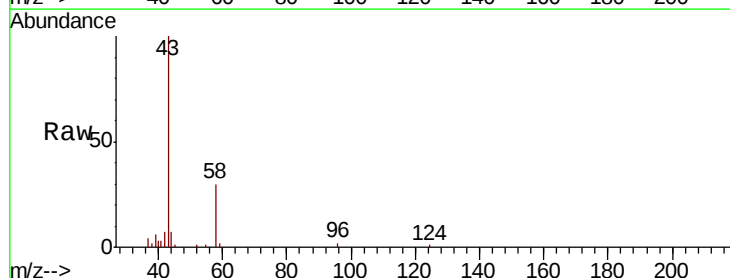
Acq: 25 Oct 2019 14:56

Tgt Ion: 43 Resp: 16167

Ion Ratio Lower Upper

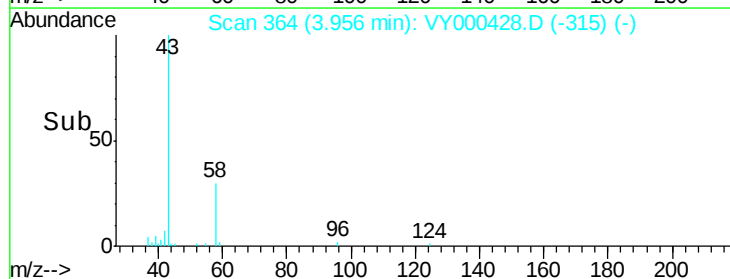
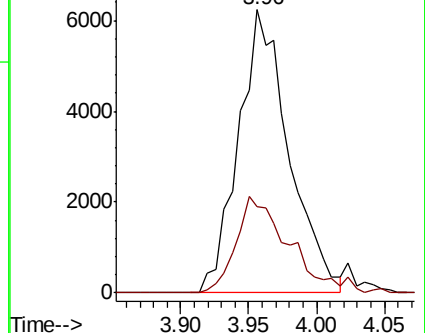
43 100

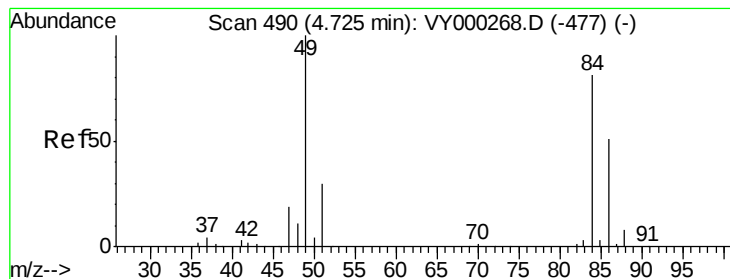
58 30.3 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VY000428.D (-315) (-)

Ion 58.00 (57.70 to 58.70): VY000428.D (-315) (-)





#20

Methvlene Chloride

Concen: 17.826 ug/l

RT: 4.73 min Scan# 491

Delta R.T. 0.01 min

Lab File: VY000428.D

Acq: 25 Oct 2019 14:56

Instrument :

MSVOA\_Y

ClientSampleId :

161-16-(1)

Tot Ion: 84 Resp: 49604

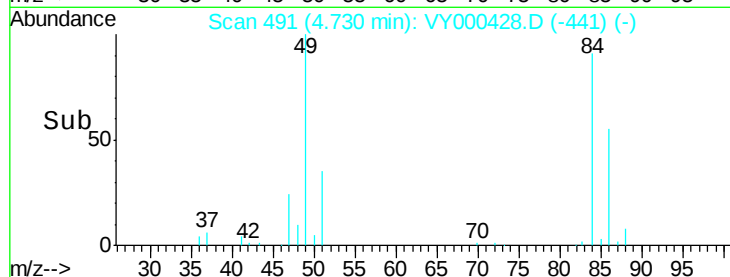
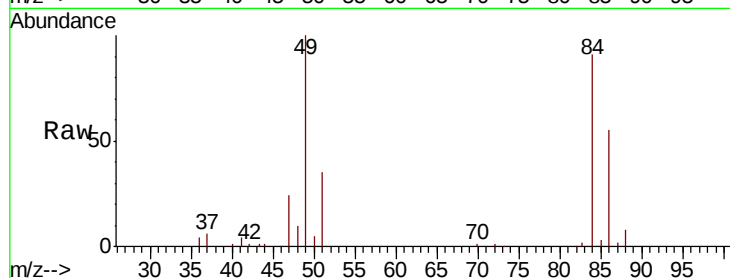
Ion Ratio Lower Upper

84 100

49 109.5 99.0 148.4

51 38.0 29.3 43.9

86 60.6 50.2 75.4

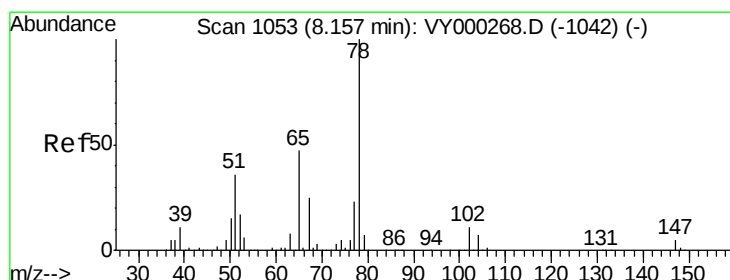
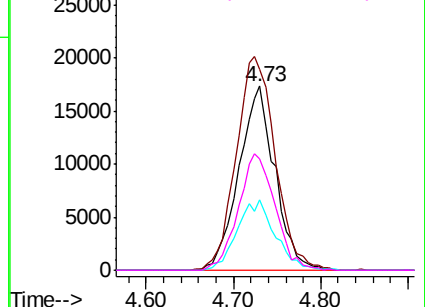


Abundance Ion 83.90 (83.60 to 84.60): VY0

Ion 48.90 (48.60 to 49.60): VY0

Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0



#33

1,2-Dichloroethane-d4

Concen: 53.984 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VY000428.D

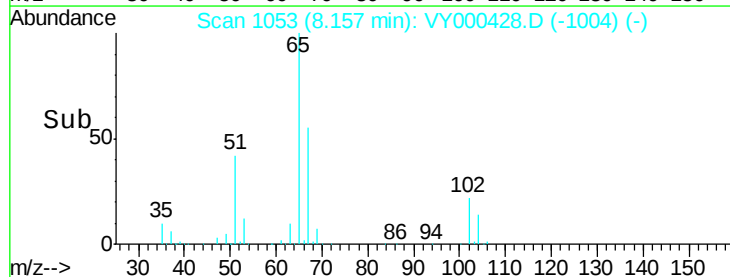
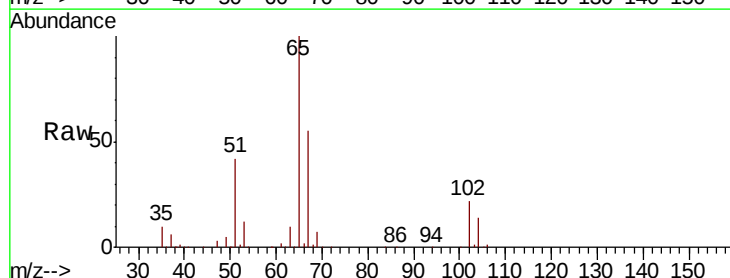
Acq: 25 Oct 2019 14:56

Tgt Ion: 65 Resp: 115090

Ion Ratio Lower Upper

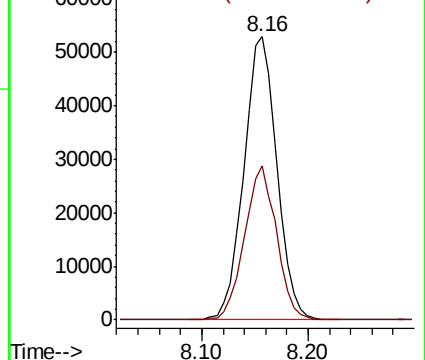
65 100

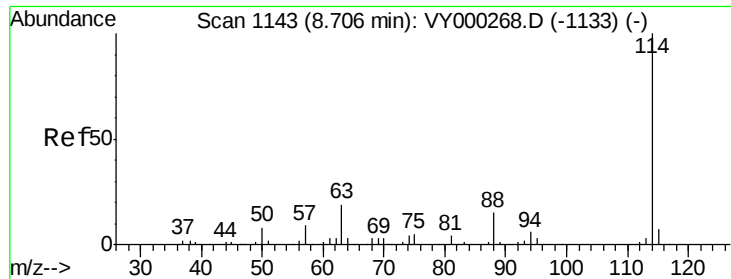
67 52.8 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

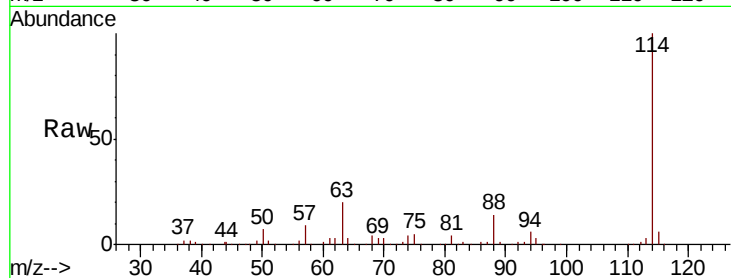




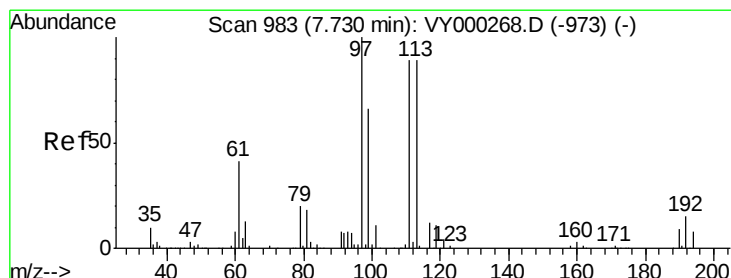
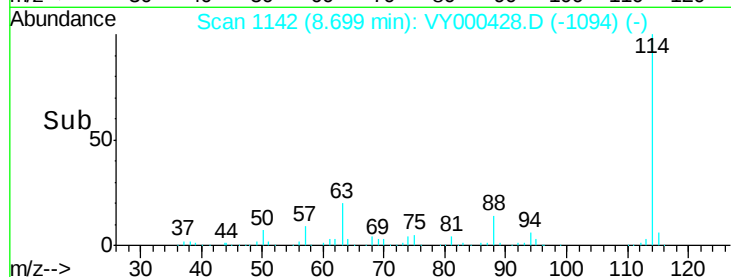
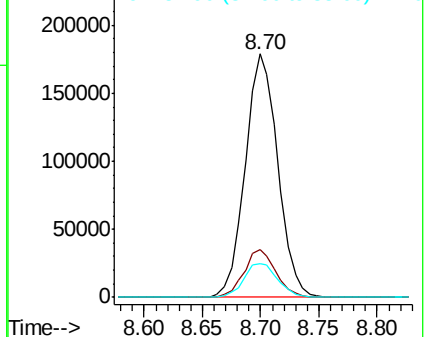
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.70 min Scan# 1142  
 Delta R.T. -0.01 min  
 Lab File: VY000428.D  
 Acq: 25 Oct 2019 14:56

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 161-16-(1)

Tot Ion:114 Resp: 347817  
 Ion Ratio Lower Upper  
 114 100  
 63 19.5 0.0 37.2  
 88 14.0 0.0 30.2

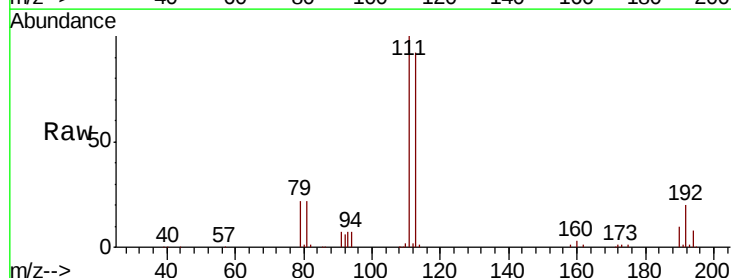


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VY0  
 Ion 87.90 (87.60 to 88.60): VY0

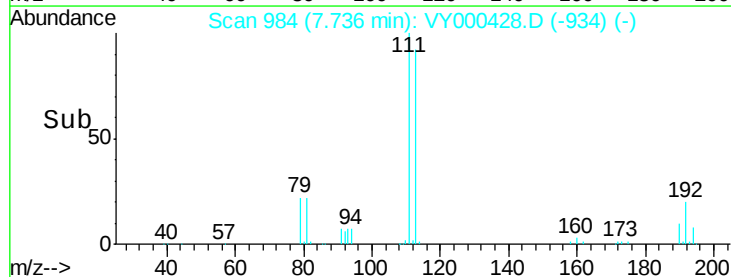
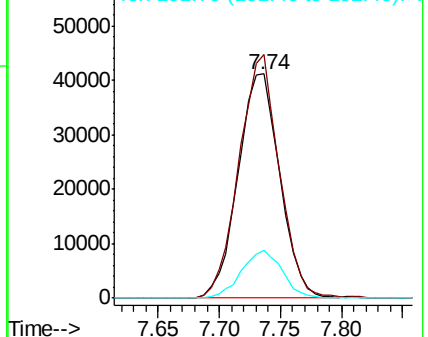


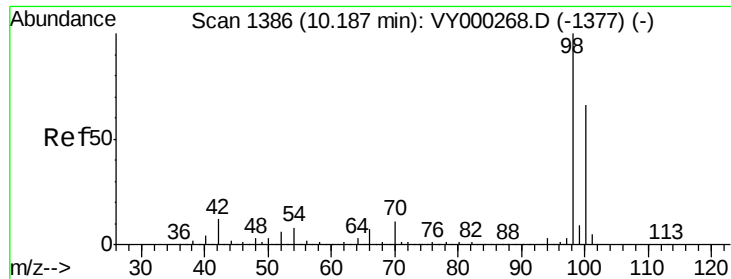
#35  
 Dibromofluoromethane  
 Concen: 46.675 ug/l  
 RT: 7.74 min Scan# 984  
 Delta R.T. 0.01 min  
 Lab File: VY000428.D  
 Acq: 25 Oct 2019 14:56

Tgt Ion:113 Resp: 97927  
 Ion Ratio Lower Upper  
 113 100  
 111 104.8 81.6 122.4  
 192 20.8 15.3 22.9



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: 49.270 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.00 min

Lab File: VY000428.D

Acq: 25 Oct 2019 14:56

Instrument :

MSVOA\_Y

ClientSampleId :

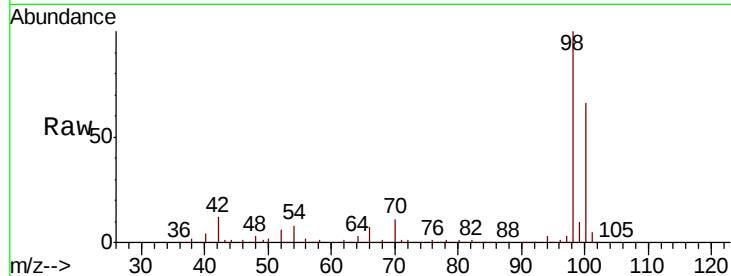
161-16-(1)

Tot Ion: 98 Resp: 397647

Ion Ratio Lower Upper

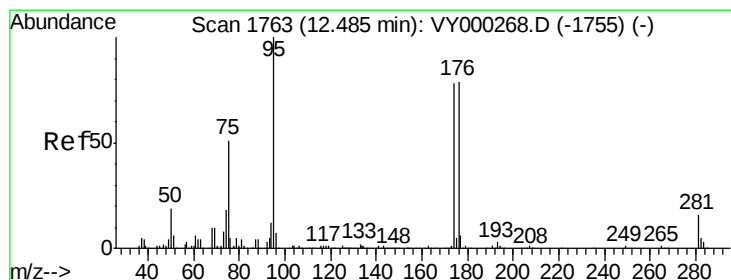
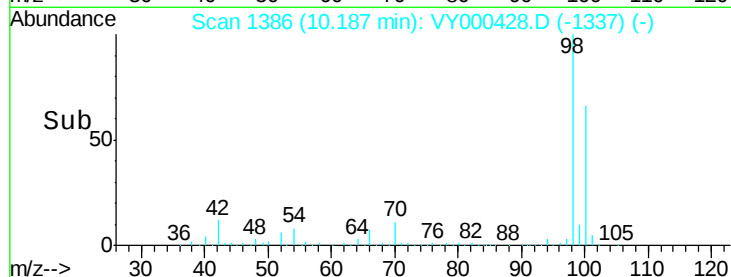
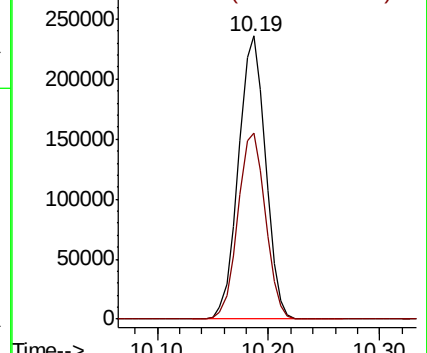
98 100

100 66.9 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY



#62

4-Bromofluorobenzene

Concen: 45.083 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VY000428.D

Acq: 25 Oct 2019 14:56

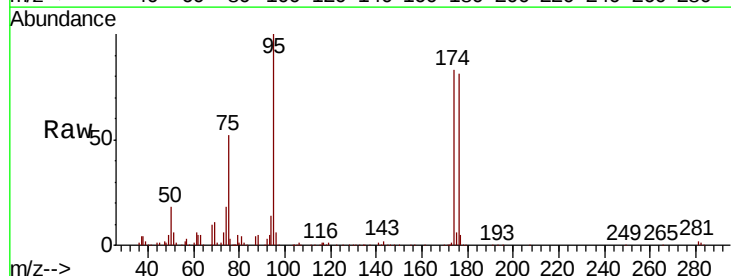
Tgt Ion: 95 Resp: 138231

Ion Ratio Lower Upper

95 100

174 80.4 0.0 159.6

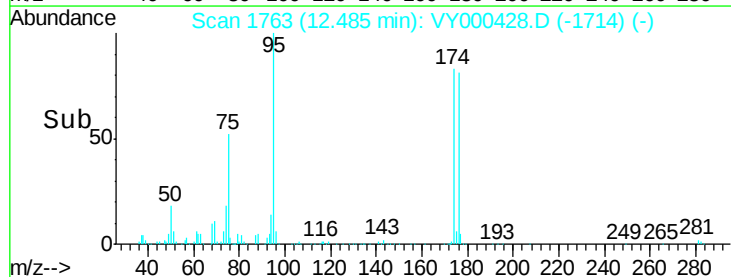
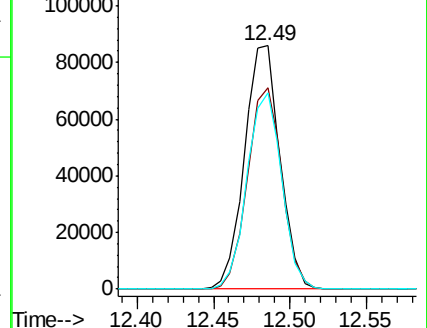
176 79.0 0.0 153.8

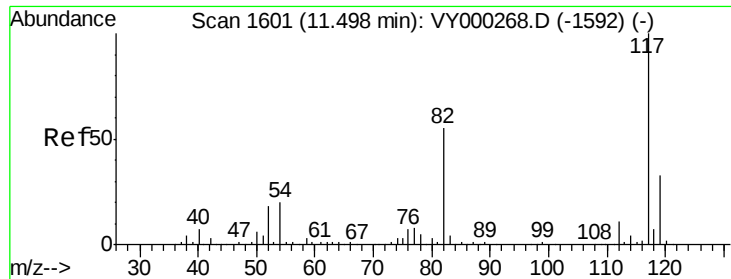


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

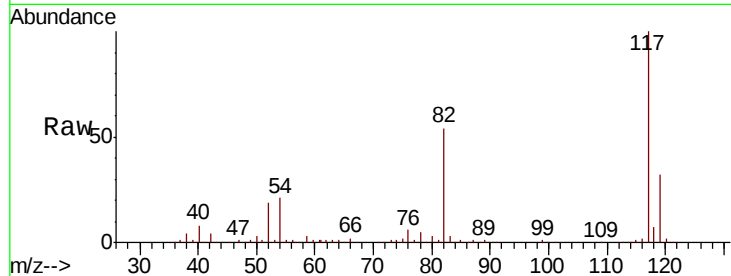




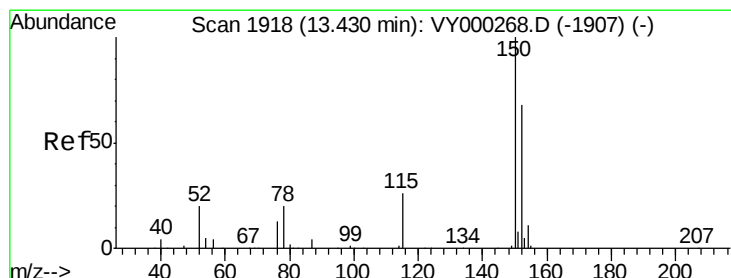
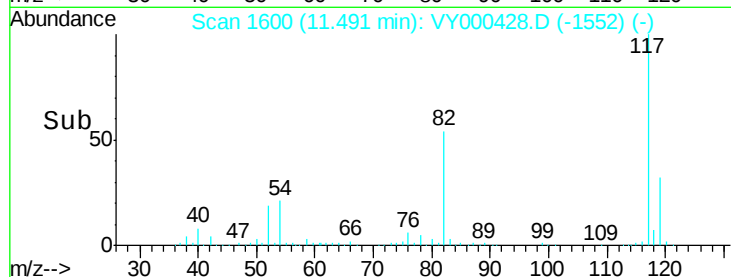
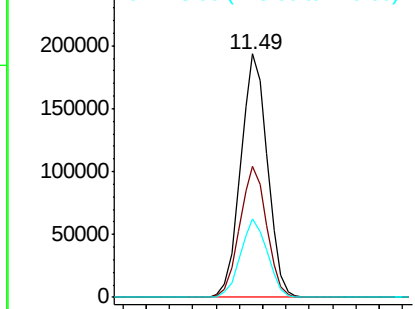
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1600  
Delta R.T. -0.01 min  
Lab File: VY000428.D  
Acq: 25 Oct 2019 14:56

Instrument :  
MSVOA\_Y  
ClientSampleId :  
161-16-(1)

Tot Ion:117 Resp: 309819  
Ion Ratio Lower Upper  
117 100  
82 53.7 43.7 65.5  
119 32.2 26.6 39.8

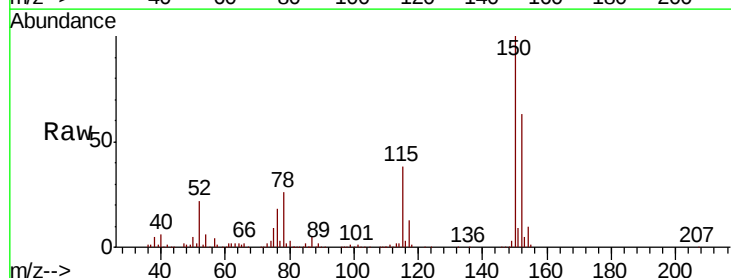


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VY0  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.42 min Scan# 1917  
Delta R.T. -0.01 min  
Lab File: VY000428.D  
Acq: 25 Oct 2019 14:56

Tgt Ion:152 Resp: 139217  
Ion Ratio Lower Upper  
152 100  
115 58.4 29.3 88.0  
150 159.0 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

