

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032819\  
 Data File : VD061399.D  
 Acq On : 28 Mar 2019 19:04  
 Operator : VA/AP  
 Sample : K2097-03RE  
 Misc : 2.53g/5ml/MSVOA D/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 CS-22RE

Quant Time: Mar 29 01:42:28 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D032719S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Mar 28 09:22:37 2019  
 Response via : Initial Calibration

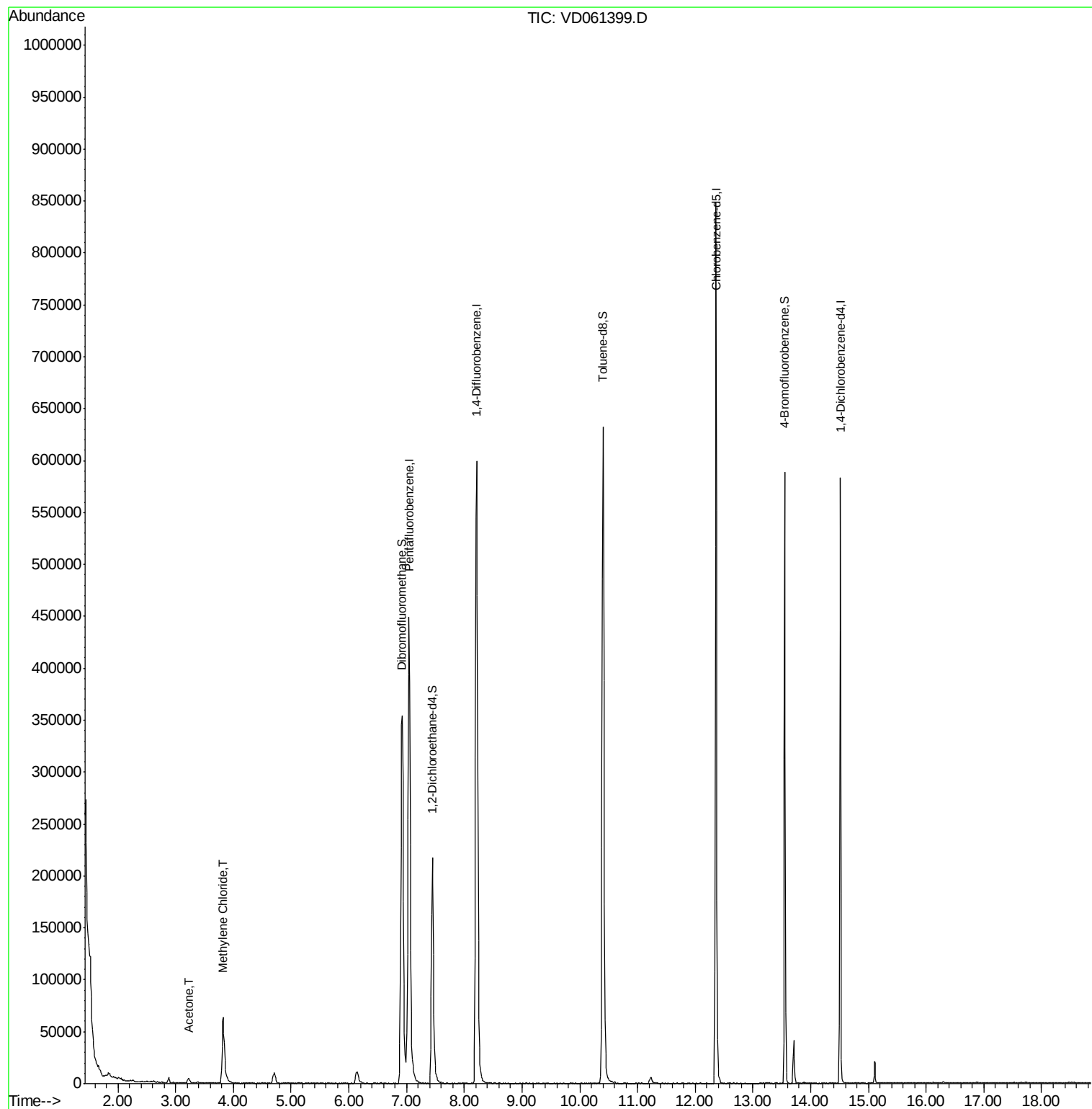
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.04  | 168  | 465653   | 50.00  | ug/l    | 0.02     |
| 34) 1,4-Difluorobenzene     | 8.21  | 114  | 778371   | 50.00  | ug/l    | 0.02     |
| 63) Chlorobenzene-d5        | 12.36 | 117  | 507391   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 14.51 | 152  | 138948   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 7.45  | 65   | 207433   | 52.15  | ug/l    | 0.01     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 104.30% |          |
| 35) Dibromofluoromethane    | 6.92  | 113  | 354343   | 59.57  | ug/l    | 0.02     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 119.14% |          |
| 50) Toluene-d8              | 10.41 | 98   | 629033   | 44.09  | ug/l    | 0.02     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 88.18%  |          |
| 62) 4-Bromofluorobenzene    | 13.55 | 95   | 179521   | 32.81  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 65.62%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.22  | 43   | 10559    | 10.326 | ug/l    | 96       |
| 20) Methylene Chloride      | 3.82  | 84   | 51804    | 7.408  | ug/l    | 90       |

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D032719S.M  
Quant Title : SW846 8260  
QLast Update : Thu Mar 28 09:22:37 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.02 min

Lab File: VD061399.D

Acq: 28 Mar 2019 19:04

Instrument :

MSVOA\_D

ClientSampleId :

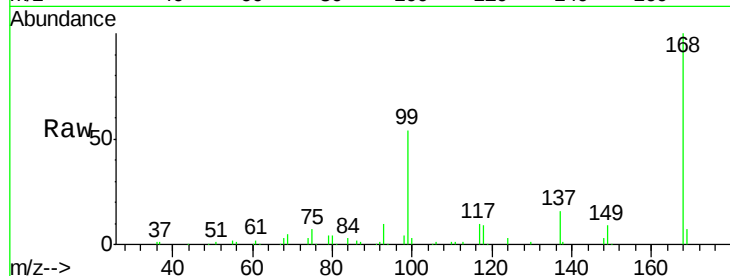
CS-22RE

Tot Ion:168 Resp: 465653

Ion Ratio Lower Upper

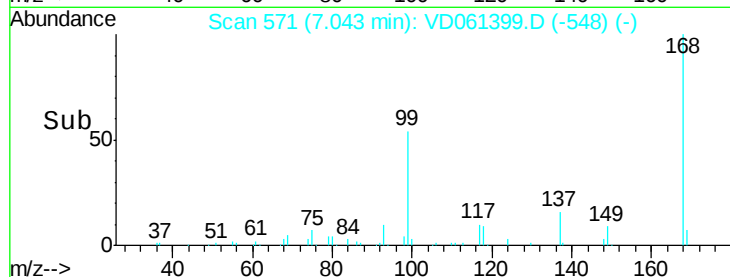
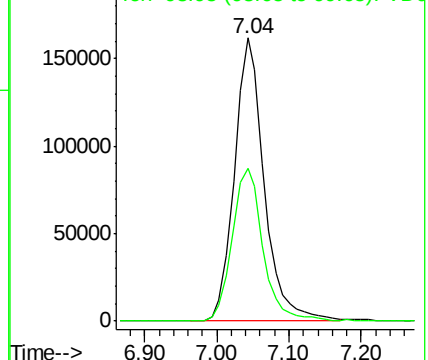
168 100

99 54.2 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 10.326 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.02 min

Lab File: VD061399.D

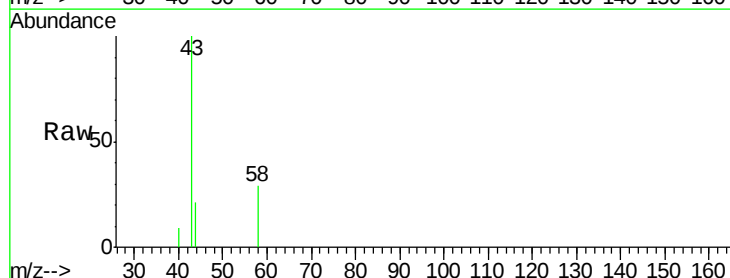
Acq: 28 Mar 2019 19:04

Tgt Ion: 43 Resp: 10559

Ion Ratio Lower Upper

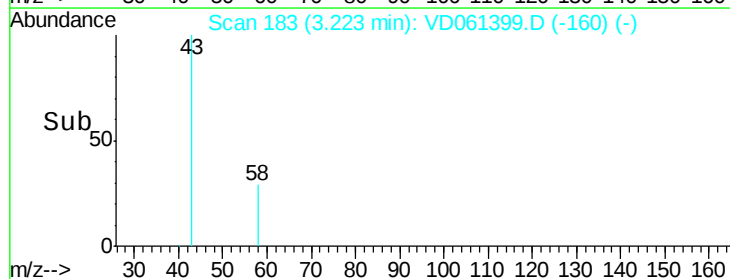
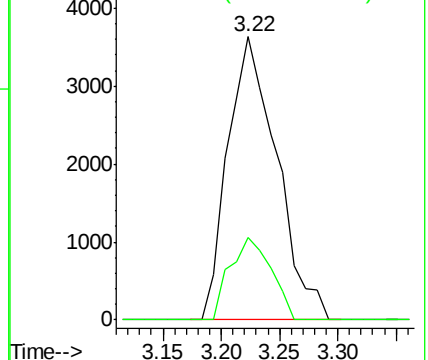
43 100

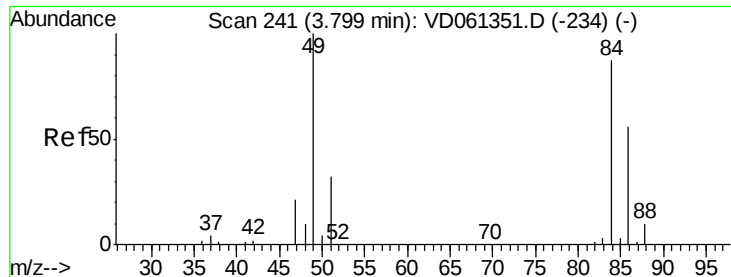
58 29.1 21.5 32.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

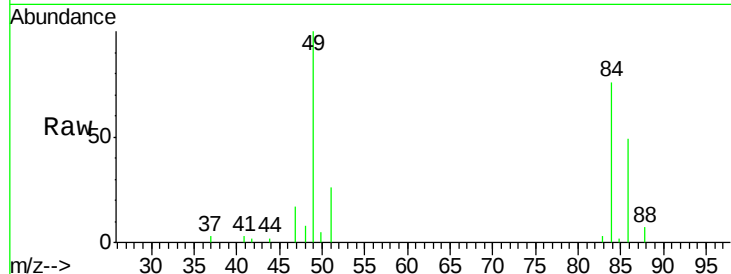




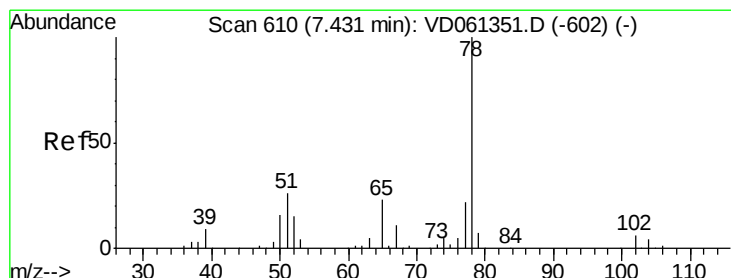
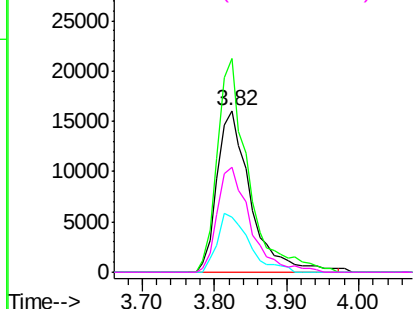
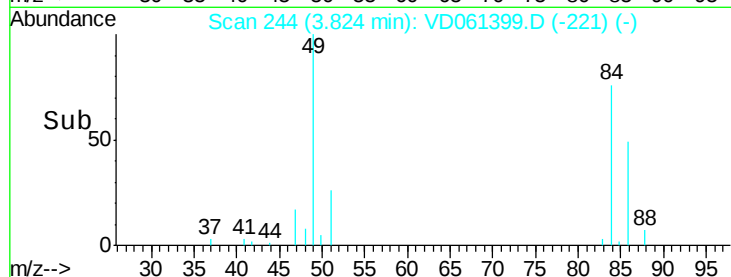
#20  
Methylene Chloride  
Concen: 7.408 ug/l  
RT: 3.82 min Scan# 244  
Delta R.T. 0.02 min  
Lab File: VD061399.D  
Acq: 28 Mar 2019 19:04

Instrument :  
MSVOA\_D  
ClientSampleId :  
CS-22RE

Tot Ion: 84 Resp: 51804  
Ion Ratio Lower Upper  
84 100  
49 132.0 91.8 137.8  
51 33.7 29.8 44.8  
86 65.2 51.8 77.6

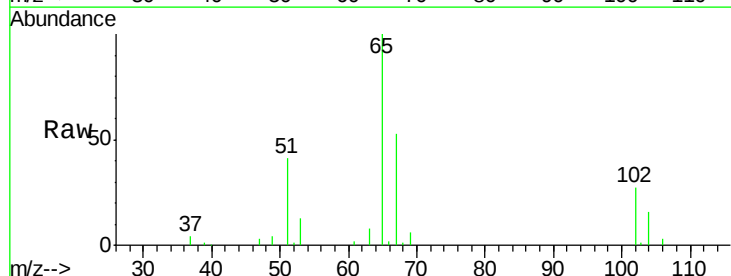


Abundance Ion 83.95 (83.65 to 84.65): VDC  
Ion 48.90 (48.60 to 49.60): VDC  
Ion 50.90 (50.60 to 51.60): VDC  
Ion 85.90 (85.60 to 86.60): VDC

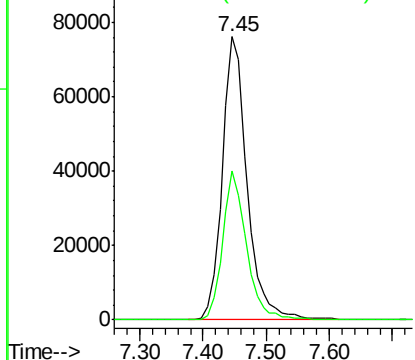
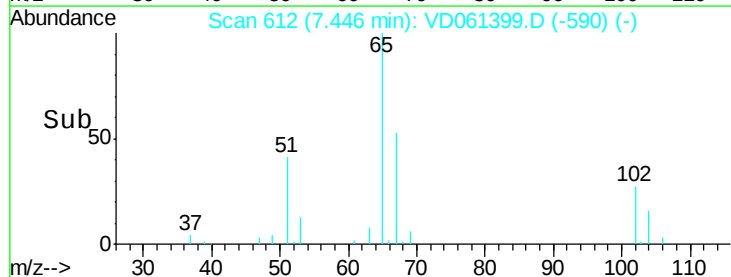


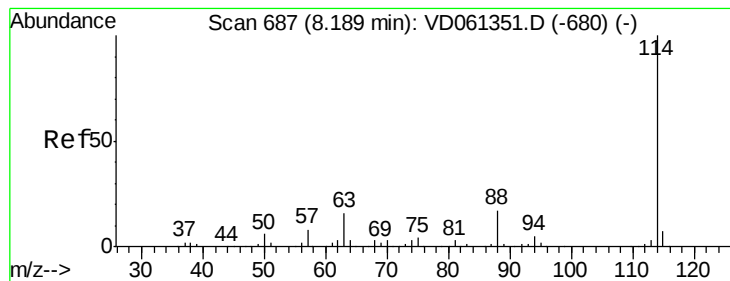
#33  
1,2-Dichloroethane-d4  
Concen: N.D. ug/l  
RT: 7.45 min Scan# 612  
Delta R.T. 0.01 min  
Lab File: VD061399.D  
Acq: 28 Mar 2019 19:04

Tgt Ion: 65 Resp: 207433  
Ion Ratio Lower Upper  
65 100  
67 52.5 0.0 99.8



Abundance Ion 64.95 (64.65 to 65.65): VDC  
Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 690

Delta R.T. 0.02 min

Lab File: VD061399.D

Acq: 28 Mar 2019 19:04

Instrument :

MSVOA\_D

ClientSampleId :

CS-22RE

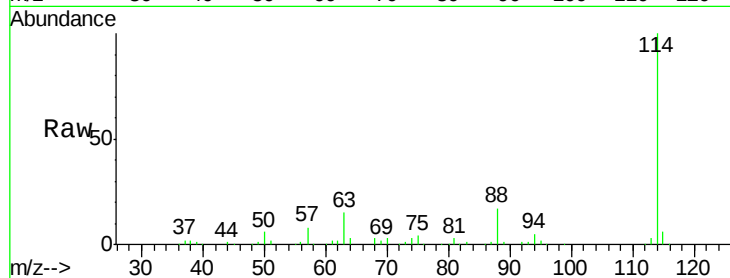
Tot Ion:114 Resp: 778371

Ion Ratio Lower Upper

114 100

63 15.4 0.0 31.6

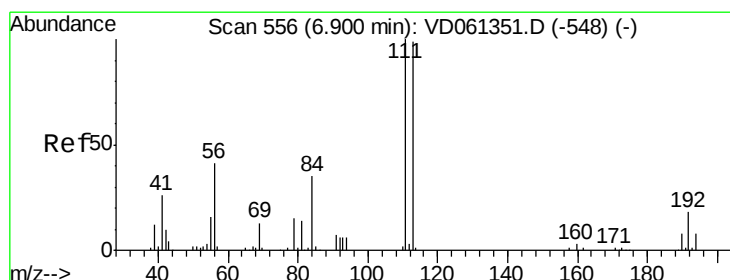
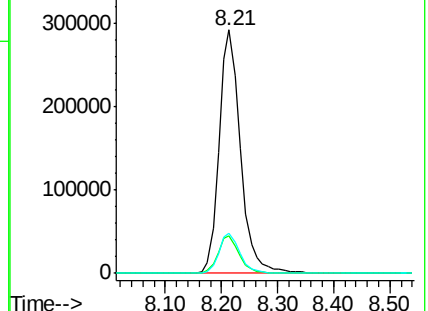
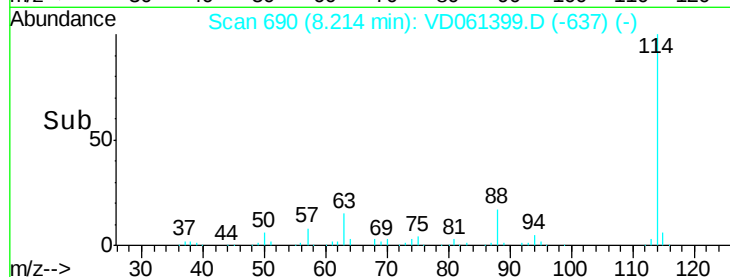
88 16.7 0.0 33.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.92 min Scan# 559

Delta R.T. 0.02 min

Lab File: VD061399.D

Acq: 28 Mar 2019 19:04

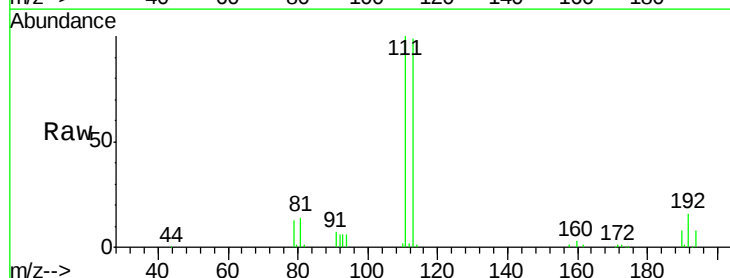
Tgt Ion:113 Resp: 354343

Ion Ratio Lower Upper

113 100

111 100.7 81.0 121.6

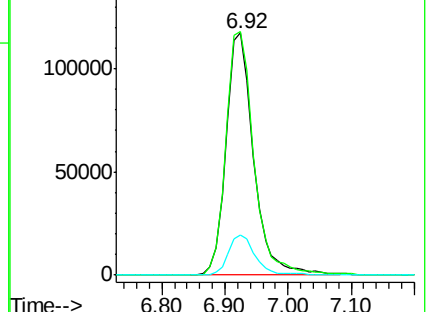
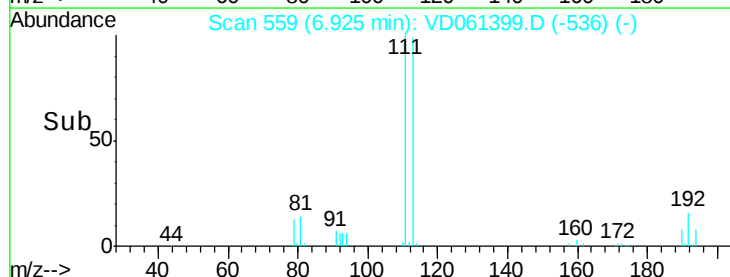
192 16.6 14.4 21.6

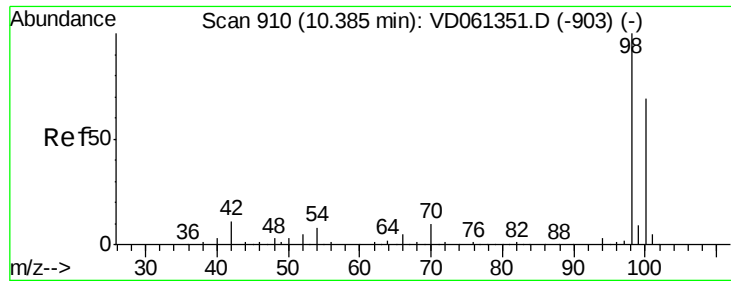


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.02 min

Lab File: VD061399.D

Acq: 28 Mar 2019 19:04

Instrument :

MSVOA\_D

ClientSampled :

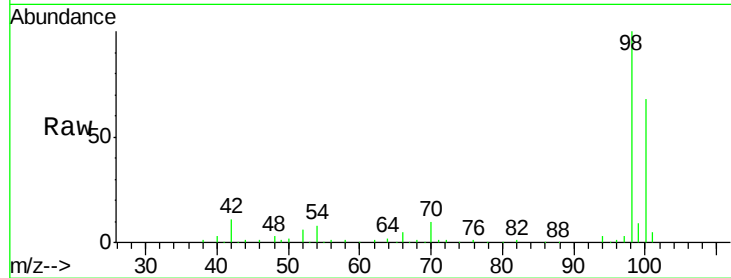
CS-22RE

Tot Ion: 98 Resp: 629033

Ion Ratio Lower Upper

98 100

100 67.8 56.2 84.2



Abundance Ion 98.05 (97.75 to 98.75): VD061351.D (-903) (-)

Ion 100.05 (99.75 to 100.75): VD061351.D (-903) (-)

10.41

250000

200000

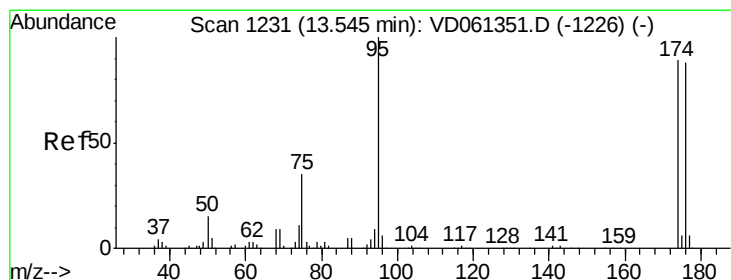
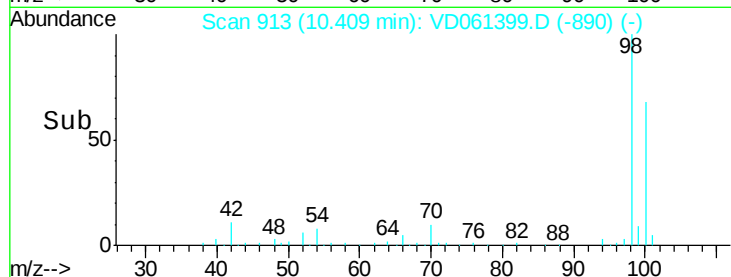
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.01 min

Lab File: VD061399.D

Acq: 28 Mar 2019 19:04

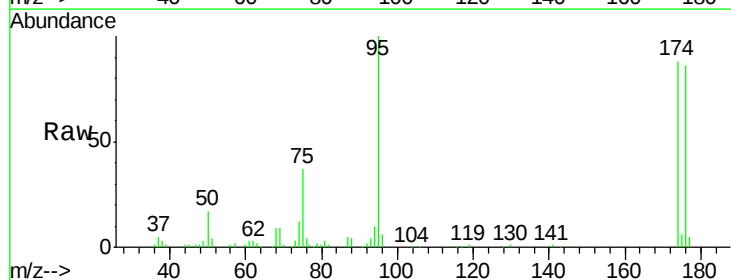
Tgt Ion: 95 Resp: 179521

Ion Ratio Lower Upper

95 100

174 87.6 0.0 178.0

176 86.1 0.0 175.0



Abundance Ion 95.00 (94.70 to 95.70): VD061351.D (-1226) (-)

Ion 173.90 (173.60 to 174.60): VD061351.D (-1226) (-)

Ion 175.90 (175.60 to 176.60): VD061351.D (-1226) (-)

13.55

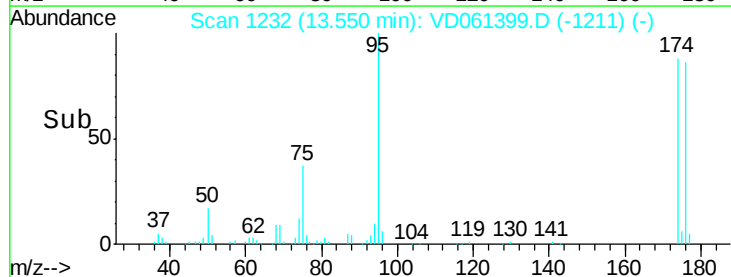
150000

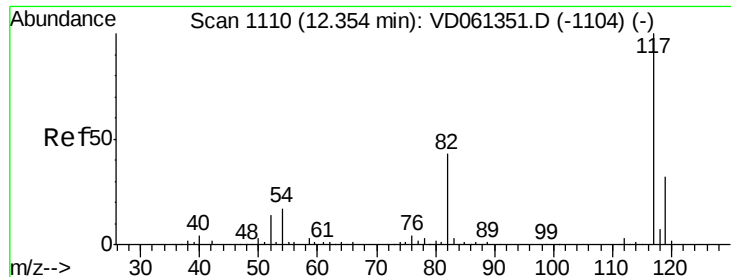
100000

50000

0

Time-->

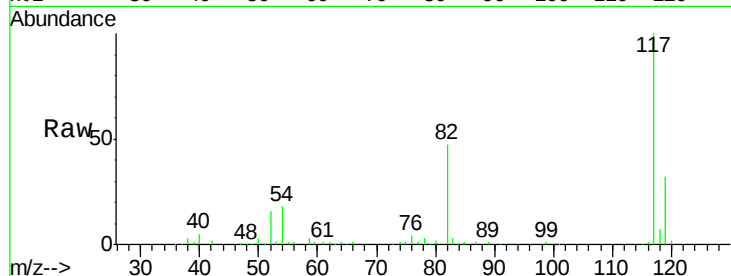




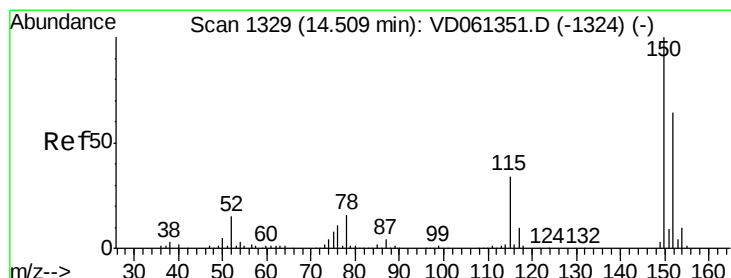
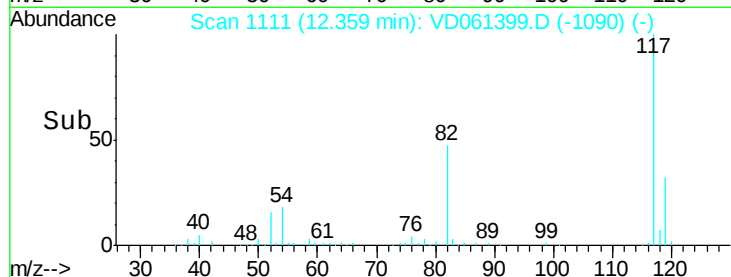
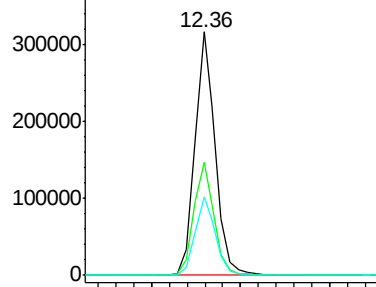
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 12.36 min Scan# 1111  
Delta R.T. 0.01 min  
Lab File: VD061399.D  
Acq: 28 Mar 2019 19:04

Instrument :  
MSVOA\_D  
ClientSampled :  
CS-22RE

Tot Ion:117 Resp: 507391  
Ion Ratio Lower Upper  
117 100  
82 46.6 34.4 51.6  
119 32.2 25.8 38.6

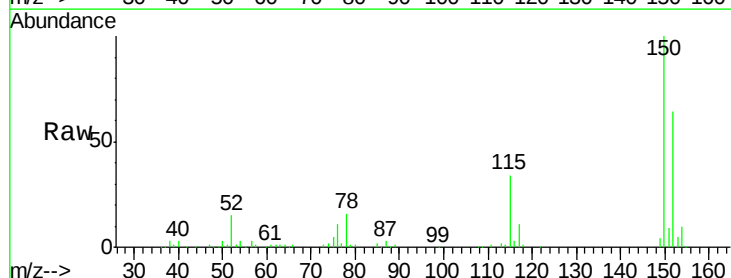


Abundance Ion 116.95 (116.65 to 117.65): V  
Ion 82.05 (81.75 to 82.75): V  
Ion 118.95 (118.65 to 119.65): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 14.51 min Scan# 1330  
Delta R.T. 0.01 min  
Lab File: VD061399.D  
Acq: 28 Mar 2019 19:04

Tgt Ion:152 Resp: 138948  
Ion Ratio Lower Upper  
152 100  
115 52.9 26.9 80.6  
150 157.1 0.0 318.0



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 115.00 (114.70 to 115.70): V  
Ion 149.90 (149.60 to 150.60): V

