

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030619\  
 Data File : VD060963.D  
 Acq On : 6 Mar 2019 14:14  
 Operator : VA/AP  
 Sample : K1728-02RE  
 Misc : 3.89g/5ml/MSVOA D/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 RICH-REC-ROAD-STONE-11RE

Quant Time: Mar 07 06:08:05 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D030119S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Mar 02 01:28:28 2019  
 Response via : Initial Calibration

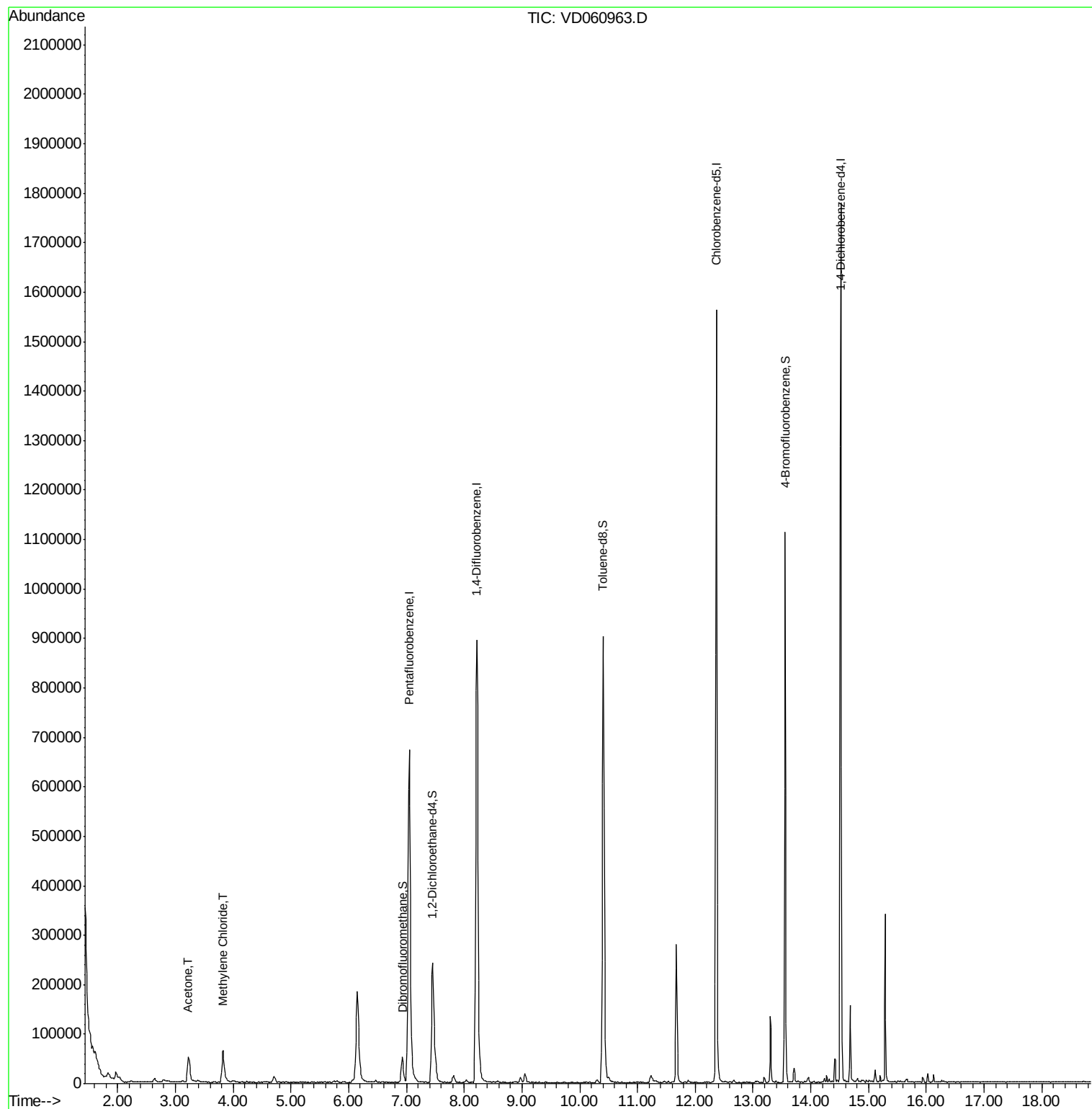
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) Pentafluorobenzene       | 7.05  | 168  | 713959   | 50.00  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.22  | 114  | 1184520  | 50.00  | ug/l   | 0.01     |
| 63) Chlorobenzene-d5        | 12.36 | 117  | 962465   | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 14.52 | 152  | 421133   | 50.00  | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 7.45  | 65   | 235130   | 39.84  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 79.68% |          |
| 35) Dibromofluoromethane    | 6.93  | 113  | 50900    | 5.36   | ug/l   | 0.01     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 10.72% |          |
| 50) Toluene-d8              | 10.40 | 98   | 840060   | 35.55  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 71.10% |          |
| 62) 4-Bromofluorobenzene    | 13.55 | 95   | 337262   | 37.77  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 75.54% |          |
| Target Compounds            |       |      |          |        |        |          |
| 16) Acetone                 | 3.22  | 43   | 113710   | 57.701 | ug/l   | 96       |
| 20) Methylene Chloride      | 3.83  | 84   | 51370    | 2.007  | ug/l   | 90       |

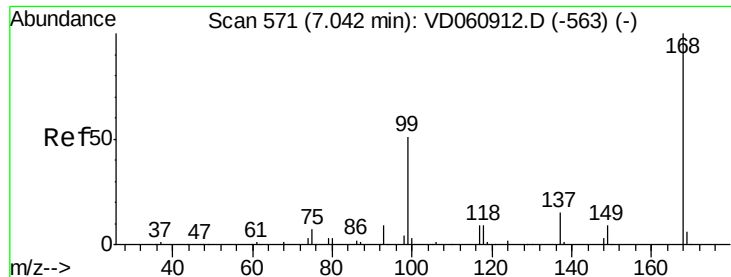
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD030619\  
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RICH-REC-ROAD-STONE-11RE

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Quant Title : SW846 8260  
QLast Update : Sat Mar 02 01:28:28 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD060963.D

Acq: 6 Mar 2019 14:14

Instrument :

MSVOA\_D

ClientSampleId :

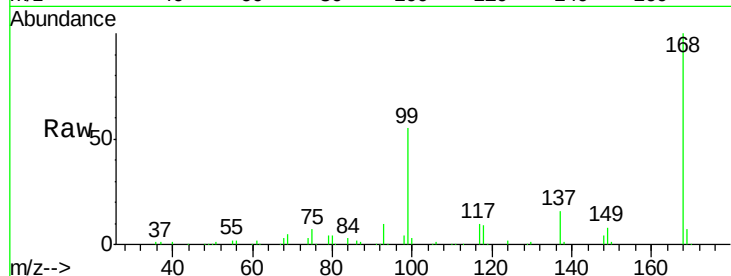
RICH-REC-ROAD-STONE-11RE

Tot Ion:168 Resp: 713959

Ion Ratio Lower Upper

168 100

99 55.3 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

250000

200000

150000

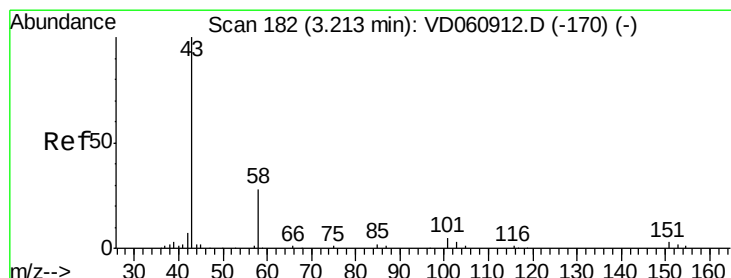
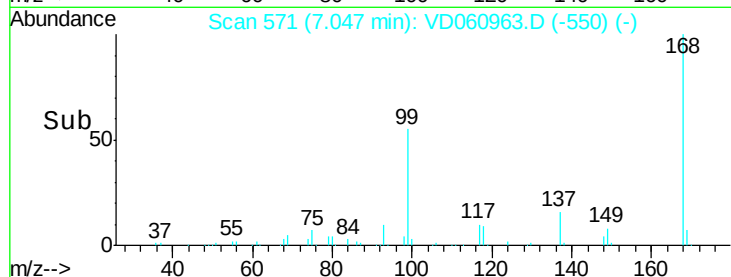
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#16

Acetone

Concen: 57.701 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.01 min

Lab File: VD060963.D

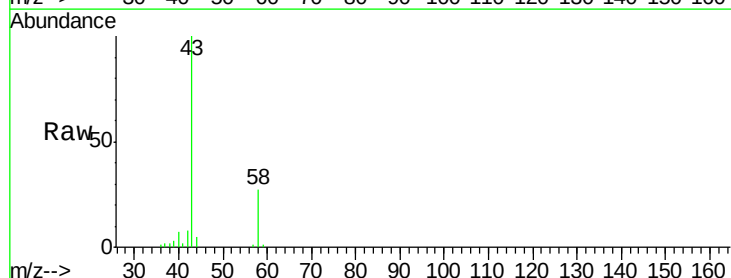
Acq: 6 Mar 2019 14:14

Tgt Ion: 43 Resp: 113710

Ion Ratio Lower Upper

43 100

58 26.6 22.8 34.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.22

40000

30000

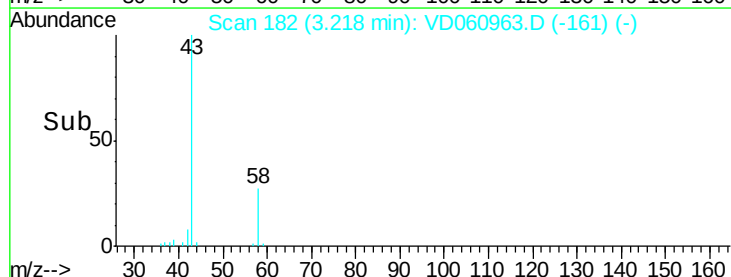
20000

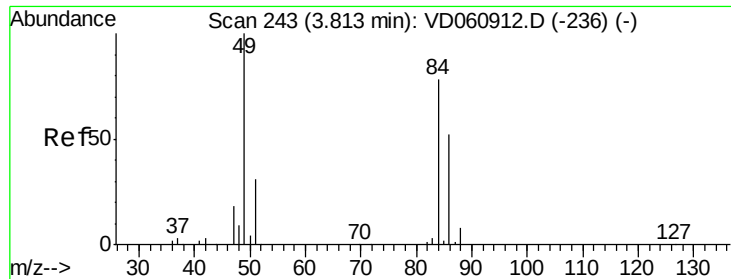
10000

0

3.10 3.20 3.30 3.40

Time-->

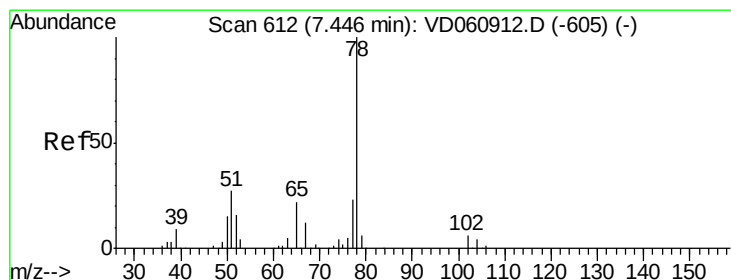
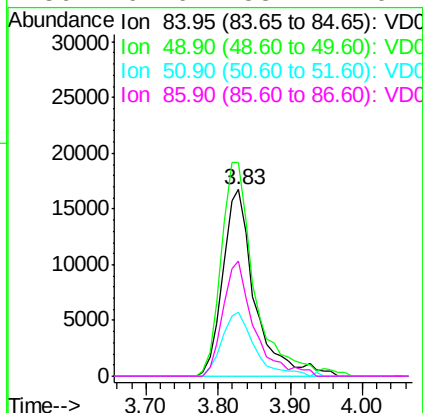
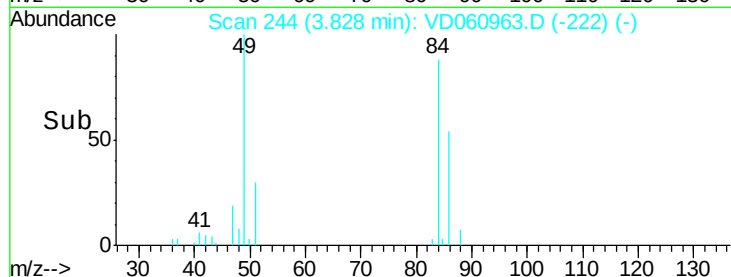
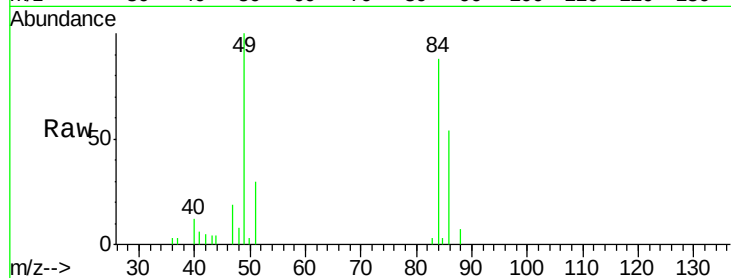




#20  
Methylene Chloride  
Concen: 2.007 ug/l  
RT: 3.83 min Scan# 244  
Delta R.T. 0.02 min  
Lab File: VD060963.D  
Acq: 6 Mar 2019 14:14

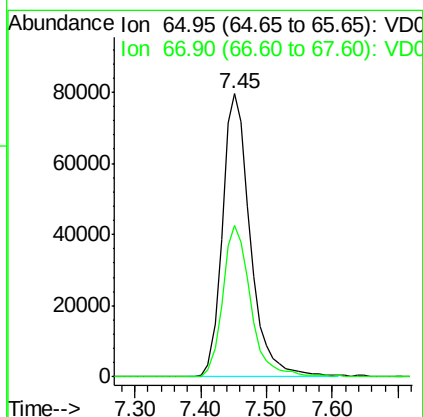
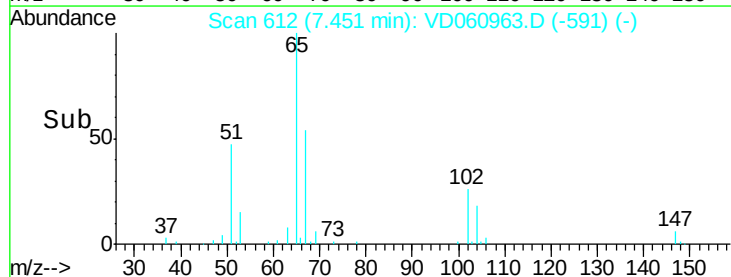
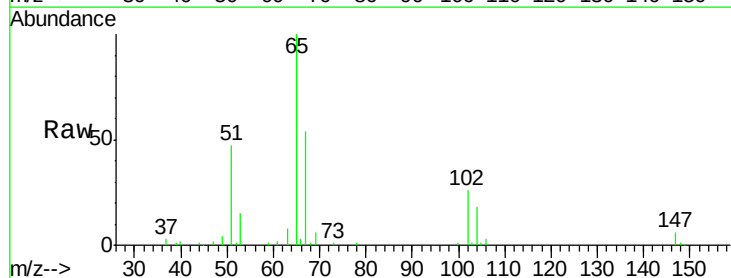
Instrument :  
MSVOA\_D  
ClientSampleId :  
RICH-REC-ROAD-STONE-11RE

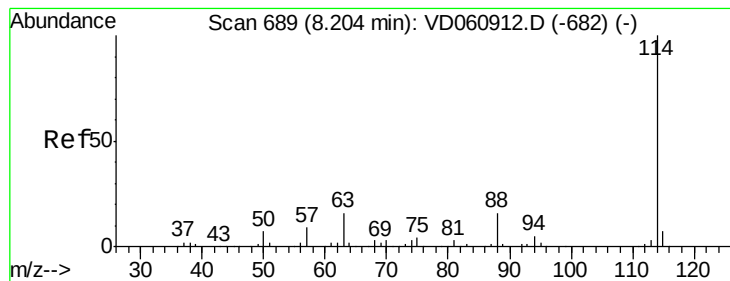
Tot Ion: 84 Resp: 51370  
Ion Ratio Lower Upper  
84 100  
49 114.2 102.4 153.6  
51 34.4 31.9 47.9  
86 61.6 53.1 79.7



#33  
1,2-Dichloroethane-d4  
Concen: N.D. ug/l  
RT: 7.45 min Scan# 612  
Delta R.T. 0.01 min  
Lab File: VD060963.D  
Acq: 6 Mar 2019 14:14

Tgt Ion: 65 Resp: 235130  
Ion Ratio Lower Upper  
65 100  
67 53.7 0.0 109.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. 0.01 min

Lab File: VD060963.D

Acq: 6 Mar 2019 14:14

Instrument :

MSVOA\_D

ClientSampleId :

RICH-REC-ROAD-STONE-11RE

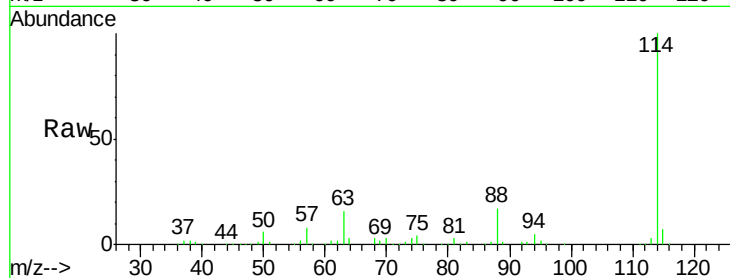
Tot Ion:114 Resp: 1184520

Ion Ratio Lower Upper

114 100

63 15.9 0.0 32.0

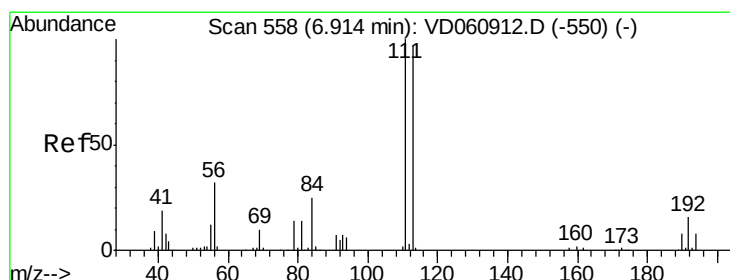
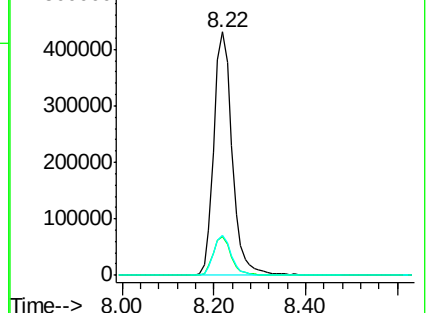
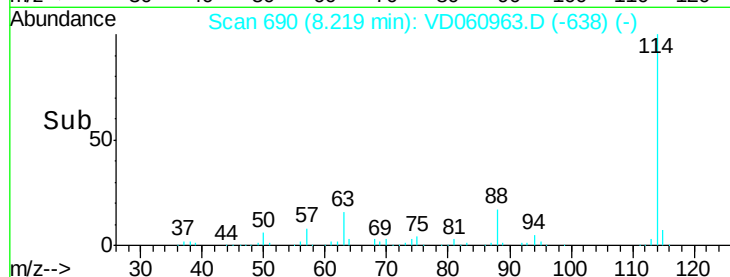
88 16.6 0.0 32.8



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: 6.93 min Scan# 559

Delta R.T. 0.01 min

Lab File: VD060963.D

Acq: 6 Mar 2019 14:14

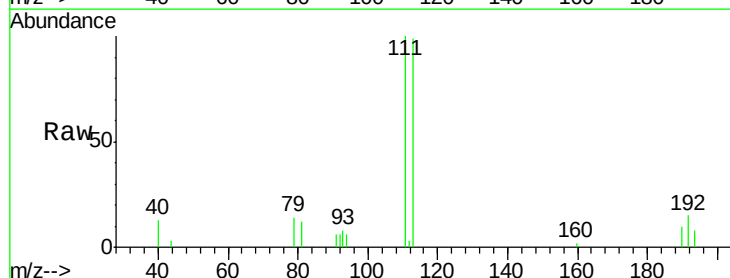
Tgt Ion:113 Resp: 50900

Ion Ratio Lower Upper

113 100

111 100.9 82.6 124.0

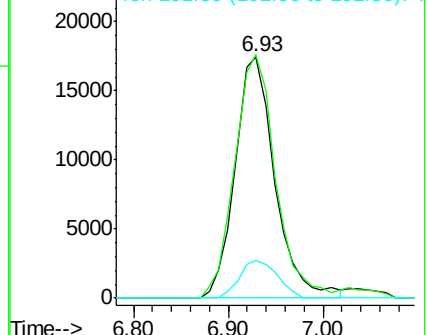
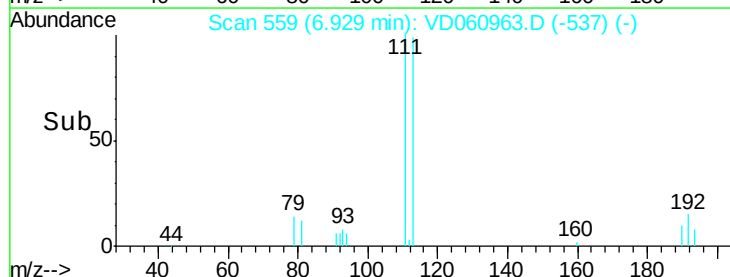
192 15.5 13.4 20.2

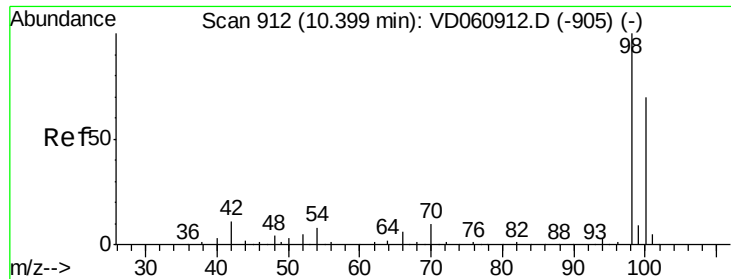


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

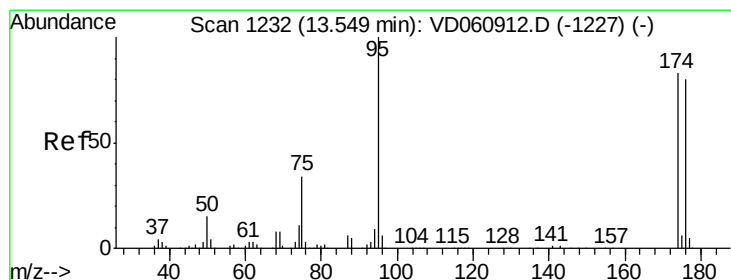
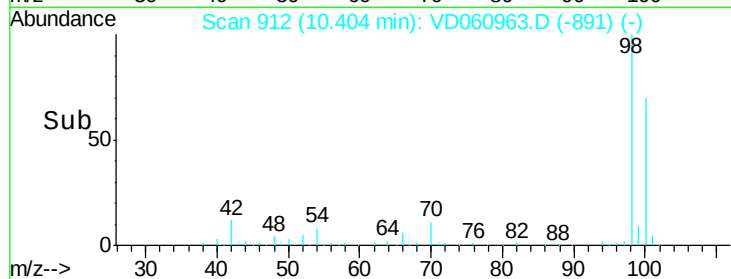
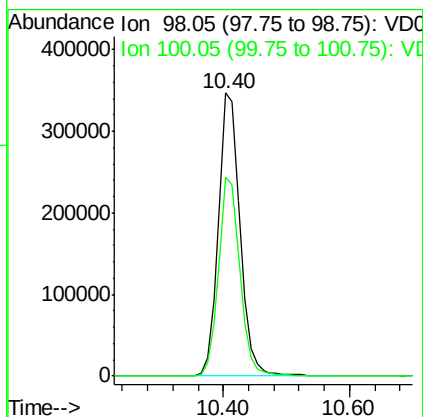
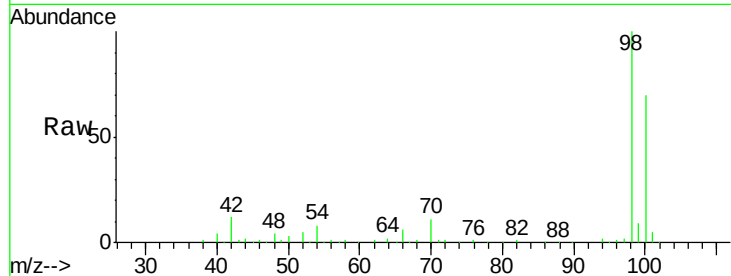




#50  
Toluene-d8  
Concen: N.D. ug/l  
RT: 10.40 min Scan# 912  
Delta R.T. 0.01 min  
Lab File: VD060963.D  
Acq: 6 Mar 2019 14:14

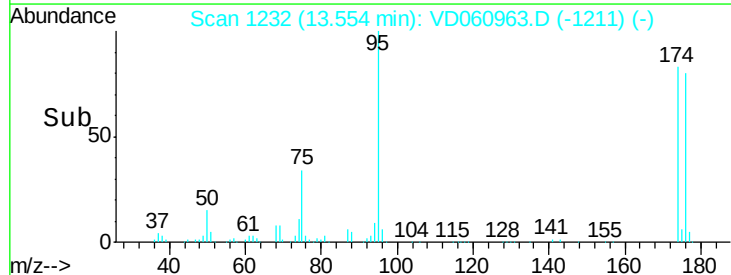
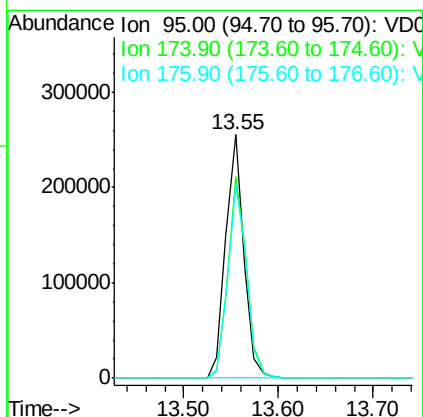
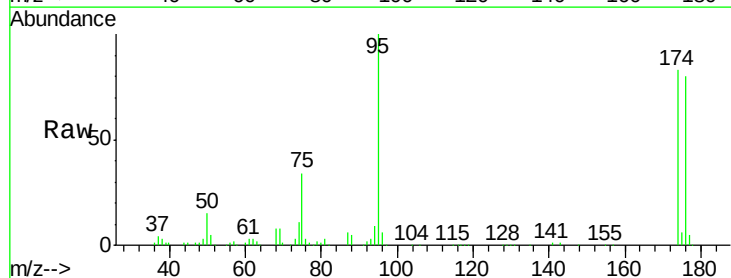
Instrument :  
MSVOA\_D  
ClientSampleId :  
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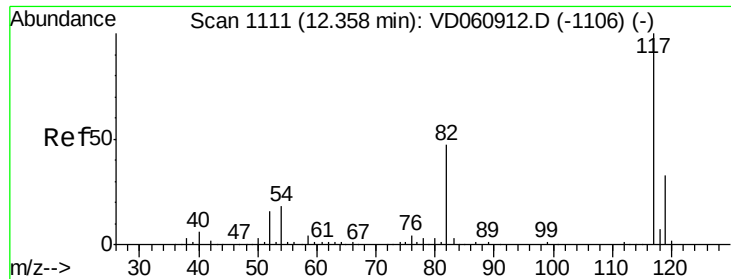
Tot Ion: 98 Resp: 840060  
Ion Ratio Lower Upper  
98 100  
100 70.3 57.0 85.4



#62  
4-Bromofluorobenzene  
Concen: N.D. ug/l  
RT: 13.55 min Scan# 1232  
Delta R.T. 0.01 min  
Lab File: VD060963.D  
Acq: 6 Mar 2019 14:14

Tgt Ion: 95 Resp: 337262  
Ion Ratio Lower Upper  
95 100  
174 82.8 0.0 165.6  
176 79.6 0.0 160.6

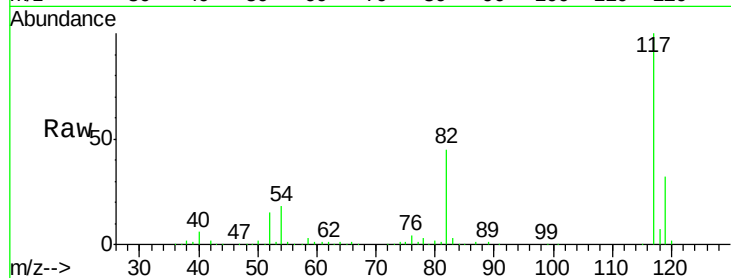




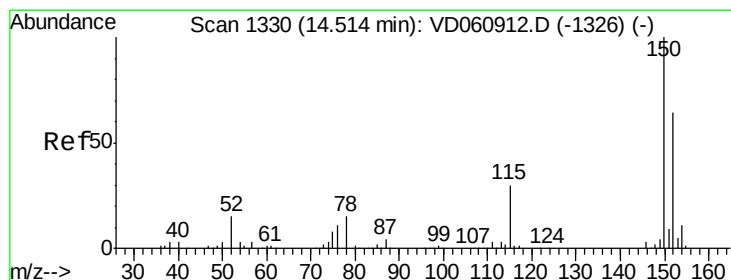
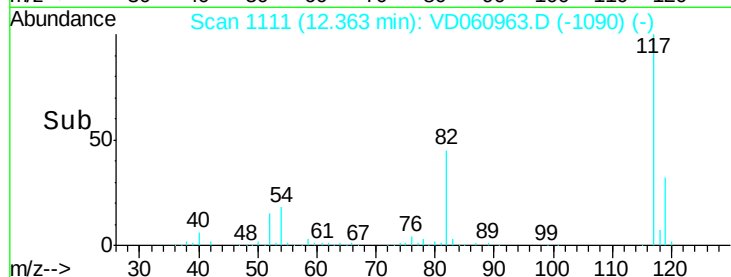
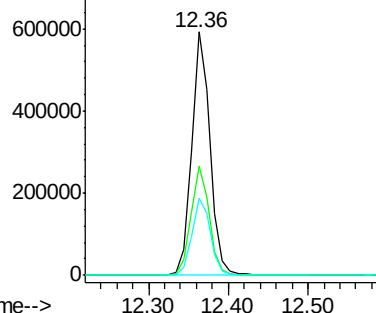
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 12.36 min Scan# 1111  
Delta R.T. 0.01 min  
Lab File: VD060963.D  
Acq: 6 Mar 2019 14:14

Instrument :  
MSVOA\_D  
ClientSampleId :  
RICH-REC-ROAD-STONE-11RE

Tot Ion:117 Resp: 962465  
Ion Ratio Lower Upper  
117 100  
82 45.1 37.5 56.3  
119 31.7 26.2 39.2

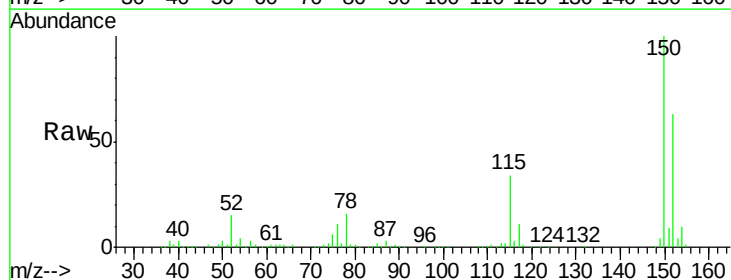


Abundance Ion 116.95 (116.65 to 117.65): V  
Ion 82.05 (81.75 to 82.75): V  
Ion 118.95 (118.65 to 119.65): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 14.52 min Scan# 1330  
Delta R.T. 0.01 min  
Lab File: VD060963.D  
Acq: 6 Mar 2019 14:14

Tgt Ion:152 Resp: 421133  
Ion Ratio Lower Upper  
152 100  
115 53.9 27.6 82.8  
150 157.5 0.0 312.8



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

