

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_D\DATA\VD031519\  
 Data File : VD061084.D  
 Acq On : 15 Mar 2019 13:54  
 Operator : VA/AP  
 Sample : K1901-02RE  
 Misc : 3.56g/5ml/MSVOA\_D/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB-1(12-13)RE

Quant Time: Mar 16 05:59:50 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D030719S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 08 02:35:39 2019  
 Response via : Initial Calibration

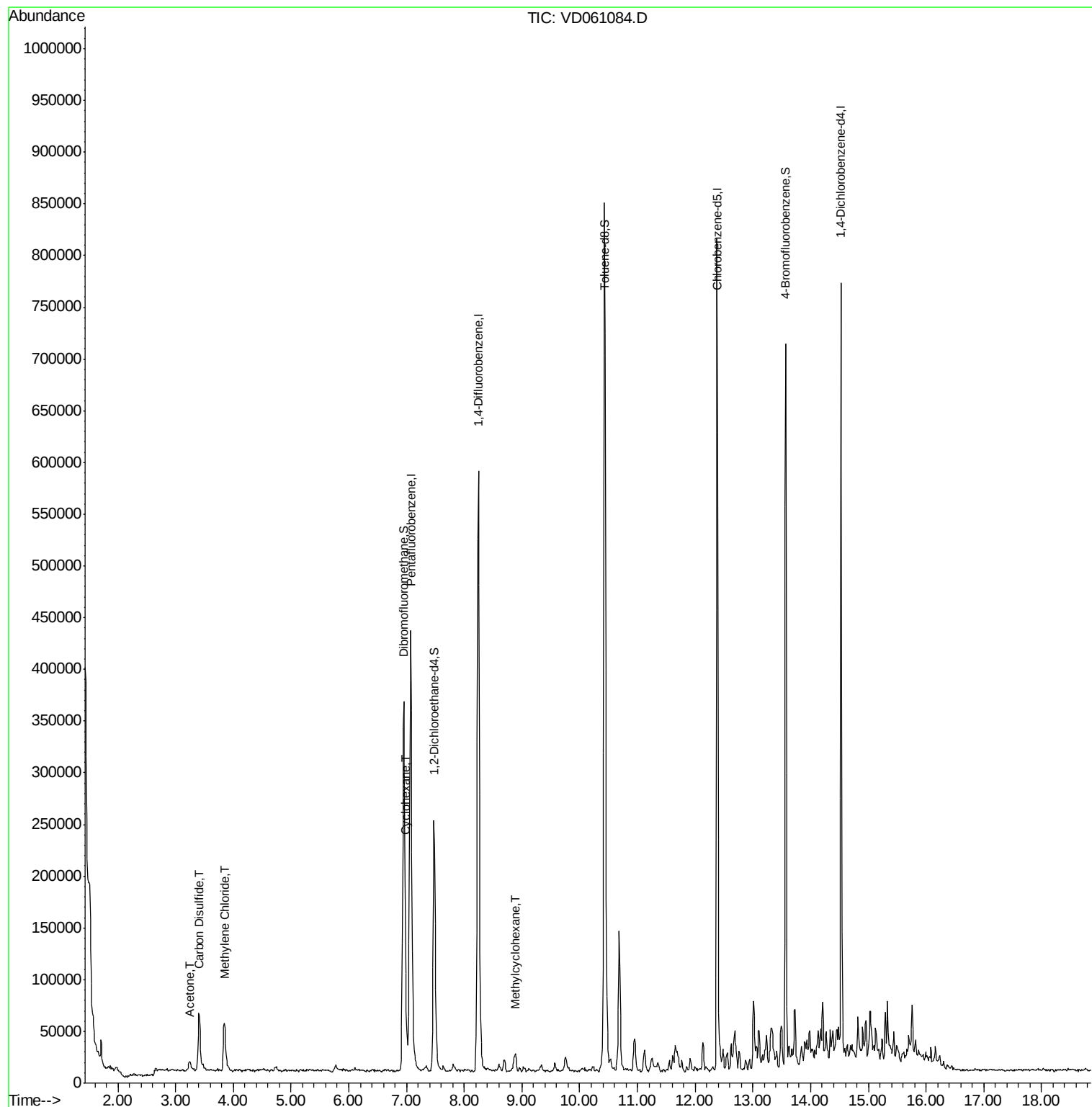
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.07  | 168  | 438910   | 50.00  | ug/l    | 0.03     |
| 34) 1,4-Difluorobenzene     | 8.24  | 114  | 745826   | 50.00  | ug/l    | 0.03     |
| 63) Chlorobenzene-d5        | 12.38 | 117  | 512698   | 50.00  | ug/l    | 0.02     |
| 72) 1,4-Dichlorobenzene-d4  | 14.53 | 152  | 174212   | 50.00  | ug/l    | 0.01     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 7.48  | 65   | 222920   | 61.02  | ug/l    | 0.03     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 122.04% |          |
| 35) Dibromofluoromethane    | 6.96  | 113  | 348170   | 62.90  | ug/l    | 0.03     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 125.80% |          |
| 50) Toluene-d8              | 10.43 | 98   | 749644   | 53.93  | ug/l    | 0.03     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 107.86% |          |
| 62) 4-Bromofluorobenzene    | 13.57 | 95   | 224692   | 41.66  | ug/l    | 0.02     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 83.32%  |          |
| Target Compounds            |       |      |          |        |         |          |
|                             |       |      |          |        | Qvalue  |          |
| 16) Acetone                 | 3.23  | 43   | 18532    | 17.739 | ug/l #  | 83       |
| 17) Carbon Disulfide        | 3.40  | 76   | 115435   | 7.767  | ug/l    | 99       |
| 20) Methylene Chloride      | 3.84  | 84   | 35242    | 3.016  | ug/l    | 96       |
| 31) Cyclohexane             | 6.98  | 56   | 10363    | 1.603  | ug/l    | 92       |
| 39) Methylcyclohexane       | 8.88  | 83   | 9858     | 1.479  | ug/l #  | 84       |

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_D\DATA\VD031519\  
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SB-1(12-13)RE

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D030719S.M  
Quant Title : SW846 8260  
QLast Update : Fri Mar 08 02:35:39 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 574

Delta R.T. 0.03 min

Lab File: VD061084.D

Acq: 15 Mar 2019 13:54

Instrument :

MSVOA\_D

ClientSampleId :

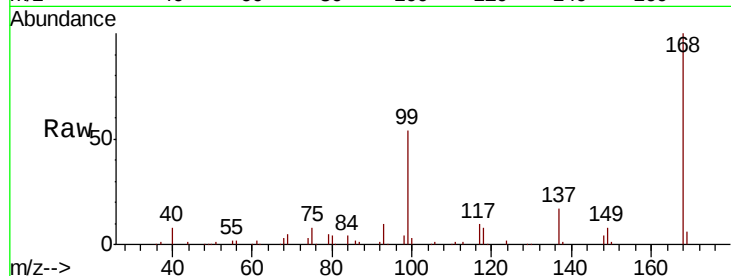
SB-1(12-13)RE

Tgt Ion:168 Resp: 438910

Ion Ratio Lower Upper

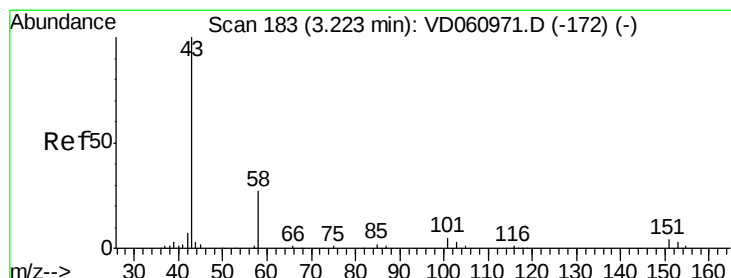
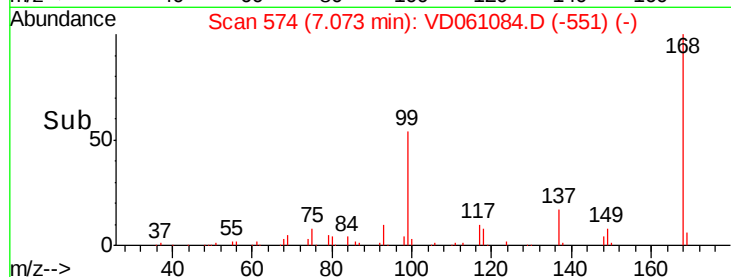
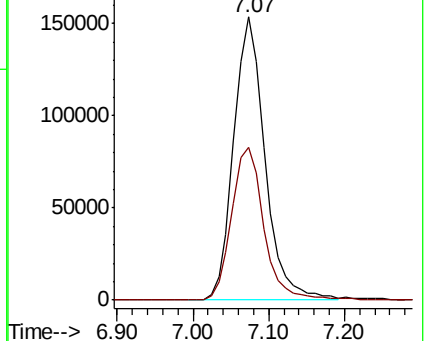
168 100

99 54.1 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 17.739 ug/l

RT: 3.23 min Scan# 184

Delta R.T. 0.01 min

Lab File: VD061084.D

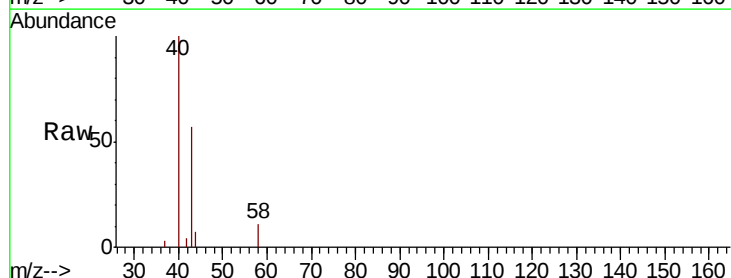
Acq: 15 Mar 2019 13:54

Tgt Ion: 43 Resp: 18532

Ion Ratio Lower Upper

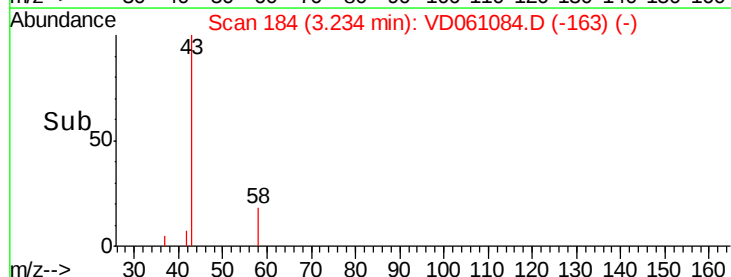
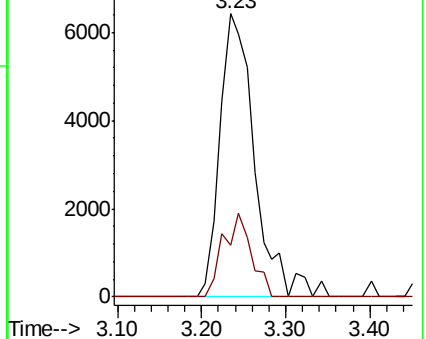
43 100

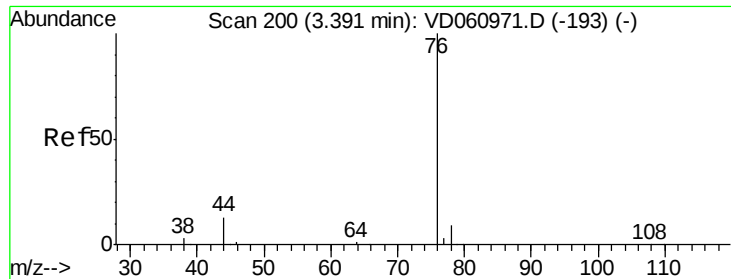
58 18.4 21.6 32.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

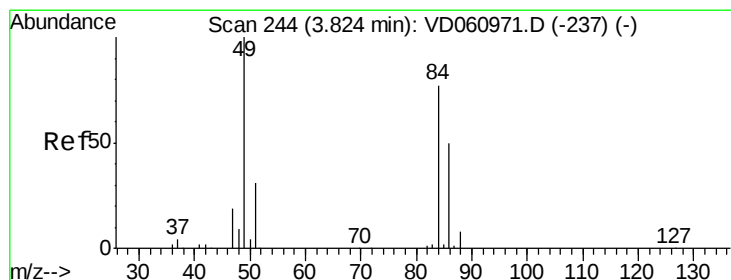
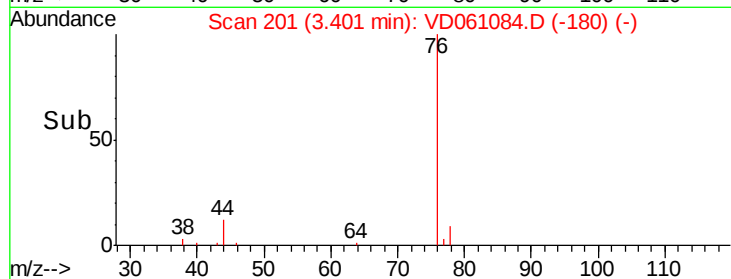
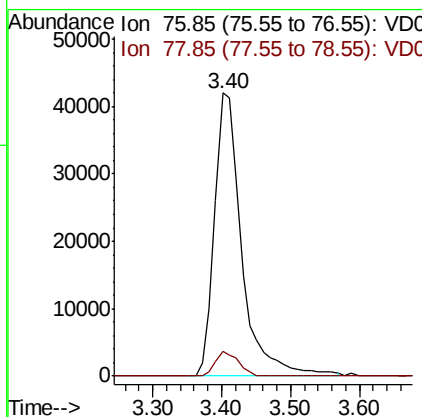
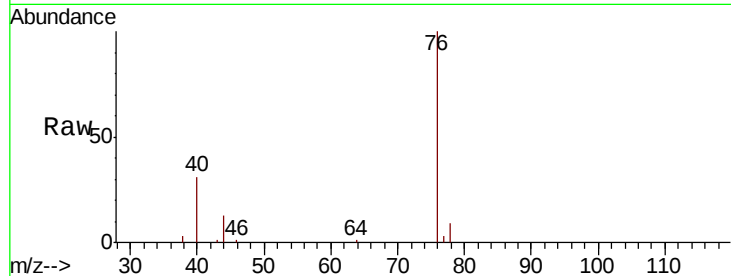




#17  
Carbon Disulfide  
Concen: 7.767 ug/l  
RT: 3.40 min Scan# 201  
Delta R.T. 0.01 min  
Lab File: VD061084.D  
Acq: 15 Mar 2019 13:54

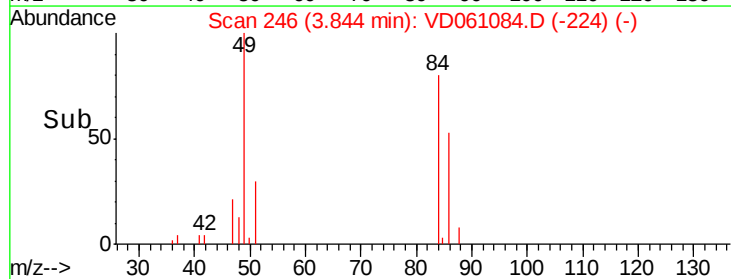
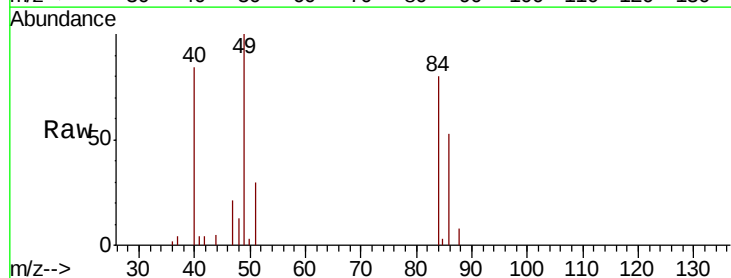
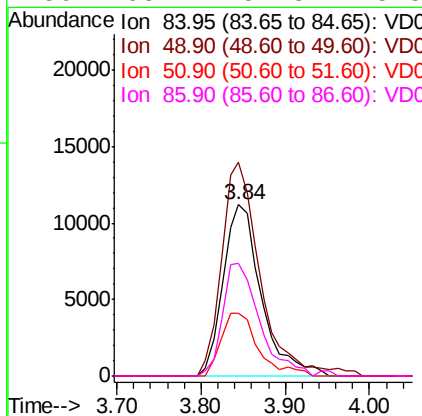
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MSVOA\_D  
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SB-1(12-13)RE

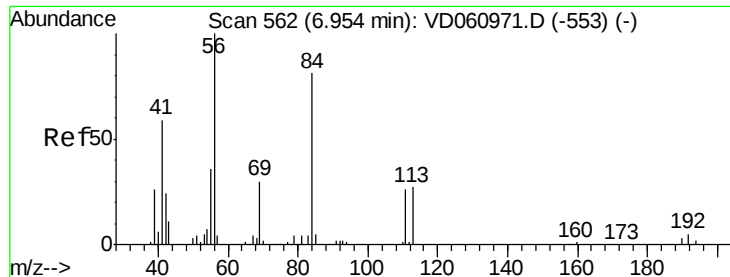
Tgt Ion: 76 Resp: 115435  
Ion Ratio Lower Upper  
76 100  
78 8.9 7.4 11.2



#20  
Methylene Chloride  
Concen: 3.016 ug/l  
RT: 3.84 min Scan# 246  
Delta R.T. 0.02 min  
Lab File: VD061084.D  
Acq: 15 Mar 2019 13:54

Tgt Ion: 84 Resp: 35242  
Ion Ratio Lower Upper  
84 100  
49 124.8 104.2 156.2  
51 37.0 32.3 48.5  
86 65.7 52.3 78.5

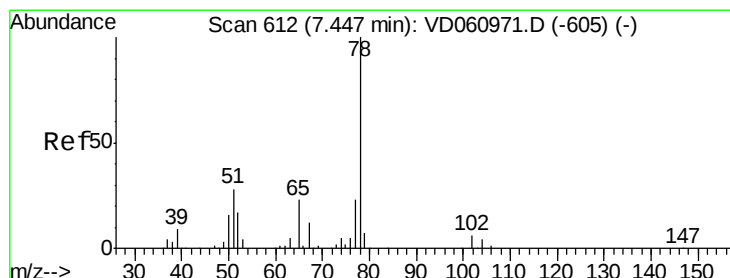
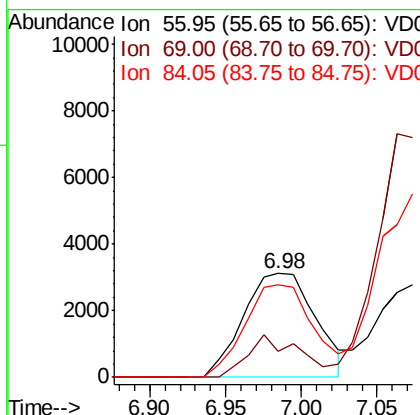
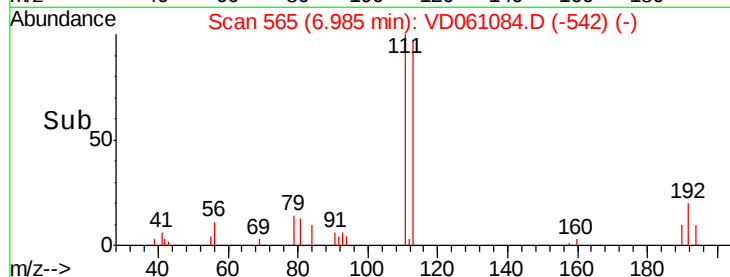
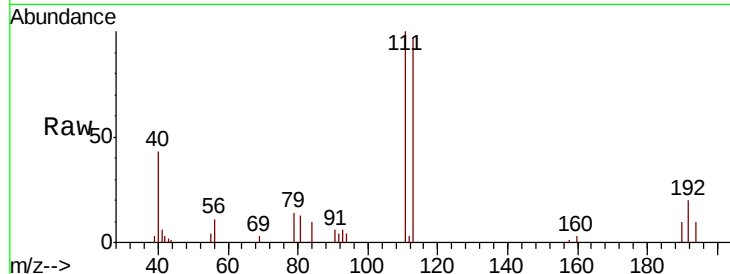




#31  
Cyclohexane  
Concen: 1.603 ug/l  
RT: 6.98 min Scan# 565  
Delta R.T. 0.03 min  
Lab File: VD061084.D  
Acq: 15 Mar 2019 13:54

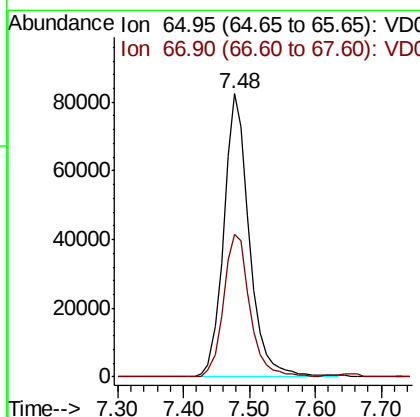
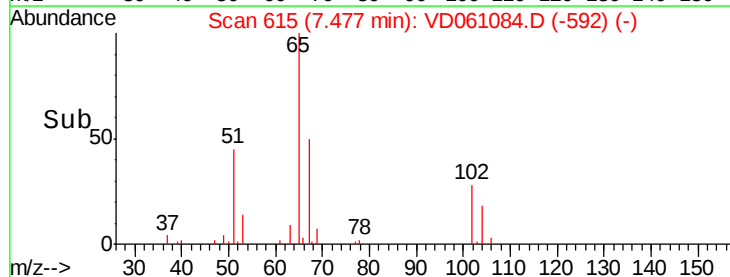
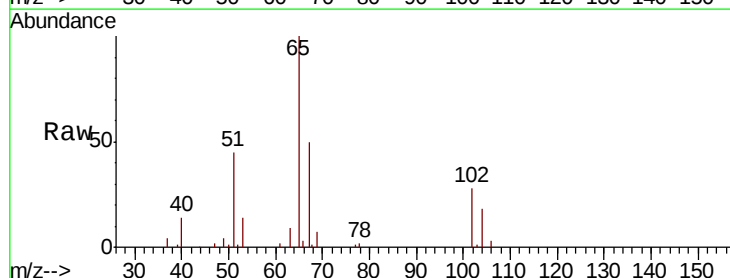
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-1(12-13)RE

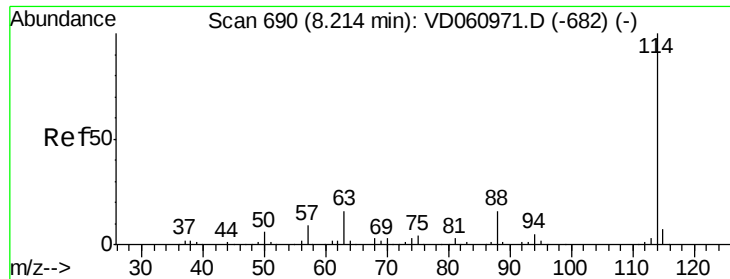
Tgt Ion: 56 Resp: 10363  
Ion Ratio Lower Upper  
56 100  
69 25.5 24.0 36.0  
84 89.0 65.8 98.6



#33  
1,2-Dichloroethane-d4  
Concen: N.D. ug/l  
RT: 7.48 min Scan# 615  
Delta R.T. 0.03 min  
Lab File: VD061084.D  
Acq: 15 Mar 2019 13:54

Tgt Ion: 65 Resp: 222920  
Ion Ratio Lower Upper  
65 100  
67 50.4 0.0 105.2

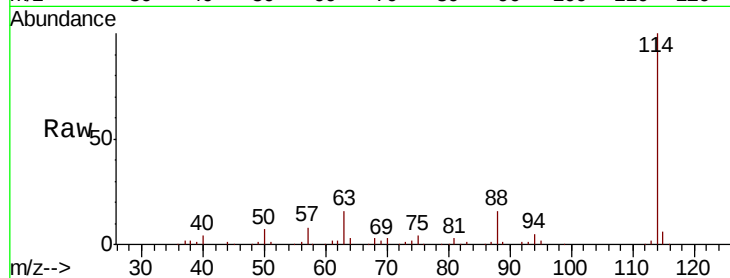




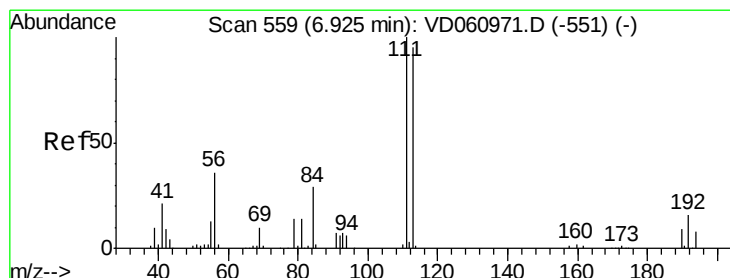
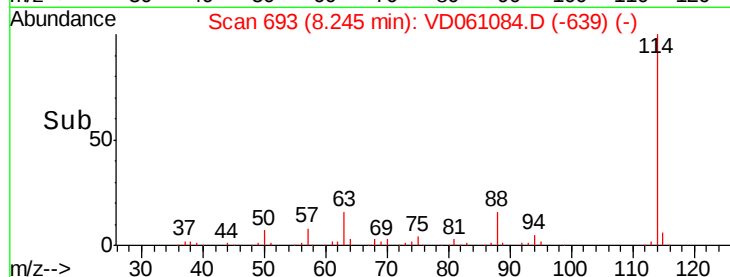
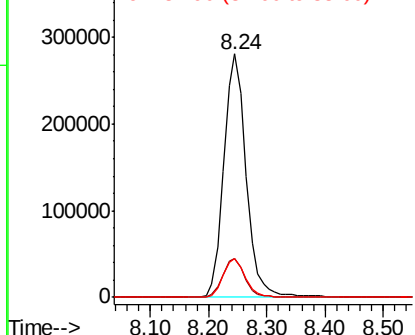
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.24 min Scan# 693  
 Delta R.T. 0.03 min  
 Lab File: VD061084.D  
 Acq: 15 Mar 2019 13:54

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB-1(12-13)RE

Tgt Ion:114 Resp: 745826  
 Ion Ratio Lower Upper  
 114 100  
 63 16.1 0.0 31.4  
 88 15.8 0.0 33.0

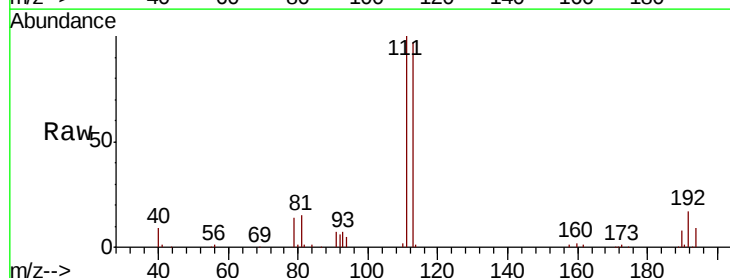


Abundance Ion 114.00 (113.70 to 114.70): V  
 Ion 62.95 (62.65 to 63.65): V  
 Ion 87.90 (87.60 to 88.60): V

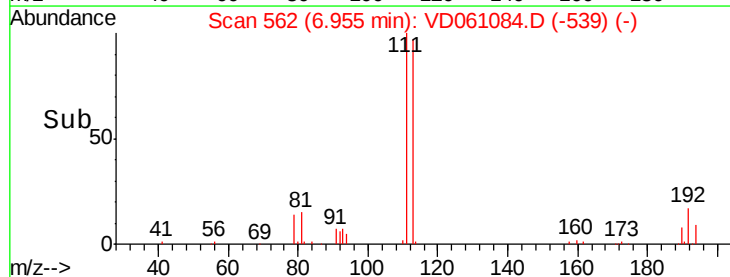
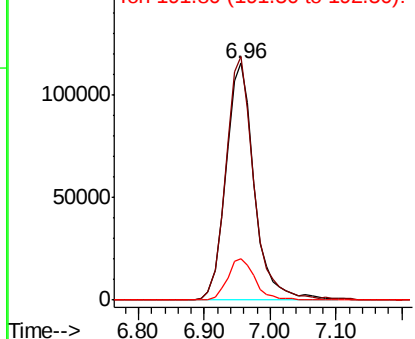


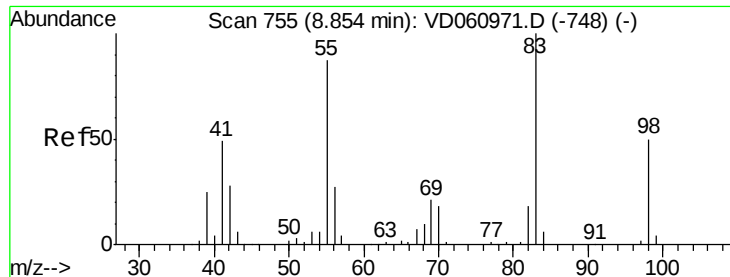
#35  
 Dibromofluoromethane  
 Concen: 50.000 ug/l  
 RT: 6.96 min Scan# 562  
 Delta R.T. 0.03 min  
 Lab File: VD061084.D  
 Acq: 15 Mar 2019 13:54

Tgt Ion:113 Resp: 348170  
 Ion Ratio Lower Upper  
 113 100  
 111 102.8 84.2 126.4  
 192 17.4 13.1 19.7



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

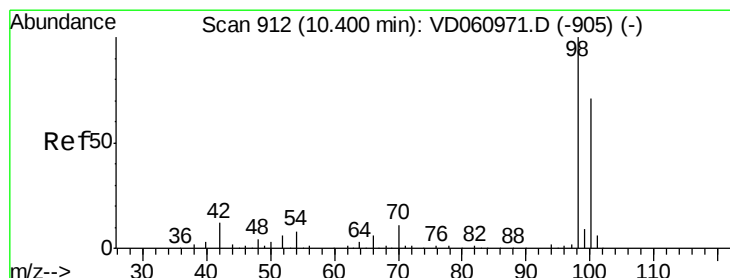
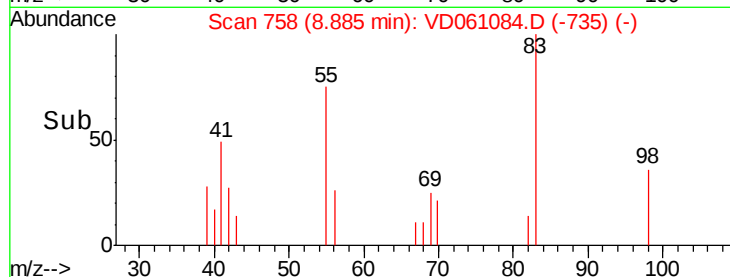
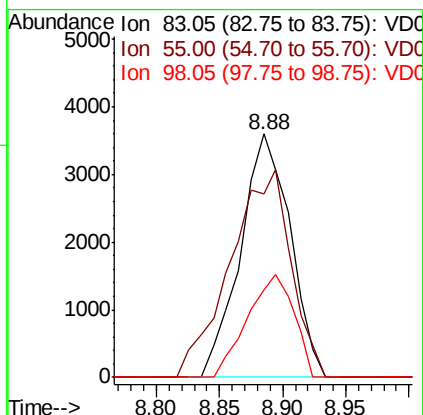
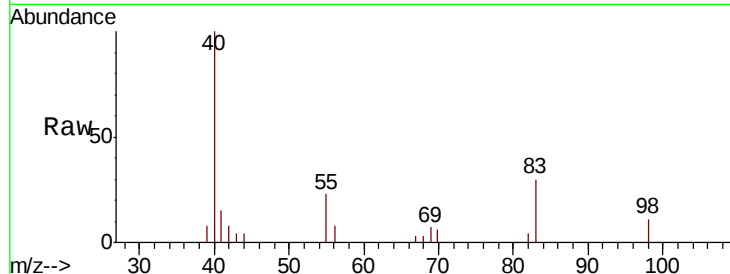




#39  
Methylcyclohexane  
Concen: 1.479 ug/l  
RT: 8.88 min Scan# 758  
Delta R.T. 0.03 min  
Lab File: VD061084.D  
Acq: 15 Mar 2019 13:54

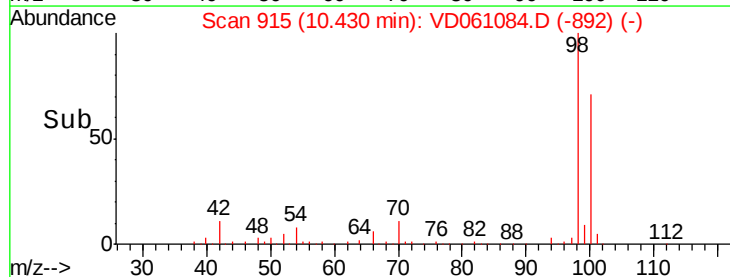
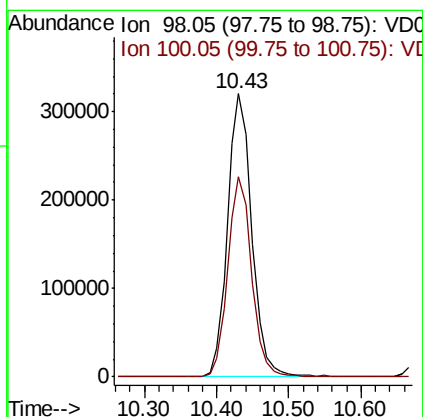
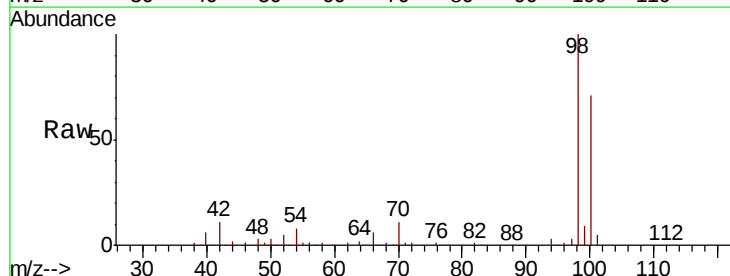
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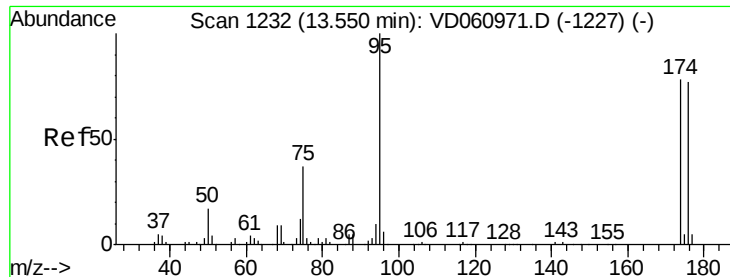
Tgt Ion: 83 Resp: 9858  
Ion Ratio Lower Upper  
83 100  
55 75.2 69.6 104.4  
98 36.0 40.0 60.0#



#50  
Toluene-d8  
Concen: N.D. ug/l  
RT: 10.43 min Scan# 915  
Delta R.T. 0.03 min  
Lab File: VD061084.D  
Acq: 15 Mar 2019 13:54

Tgt Ion: 98 Resp: 749644  
Ion Ratio Lower Upper  
98 100  
100 70.7 57.4 86.2





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.02 min

Lab File: VD061084.D

Acq: 15 Mar 2019 13:54

Instrument :

MSVOA\_D

ClientSampleId :

SB-1(12-13)RE

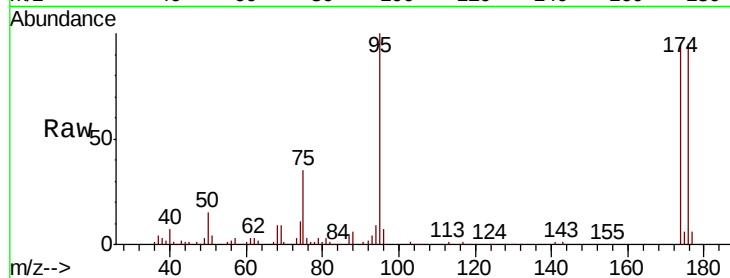
Tgt Ion: 95 Resp: 224692

Ion Ratio Lower Upper

95 100

174 94.9 0.0 155.6

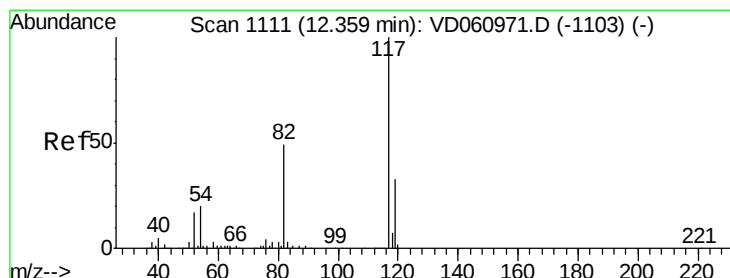
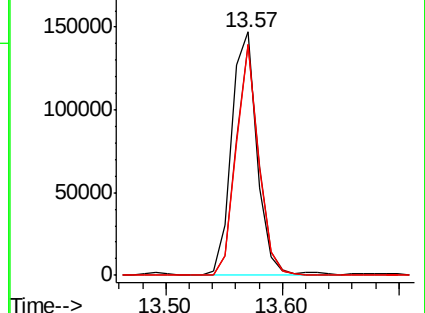
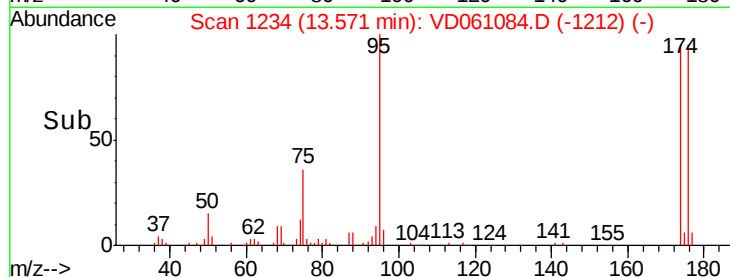
176 94.7 0.0 153.8



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.38 min Scan# 1113

Delta R.T. 0.02 min

Lab File: VD061084.D

Acq: 15 Mar 2019 13:54

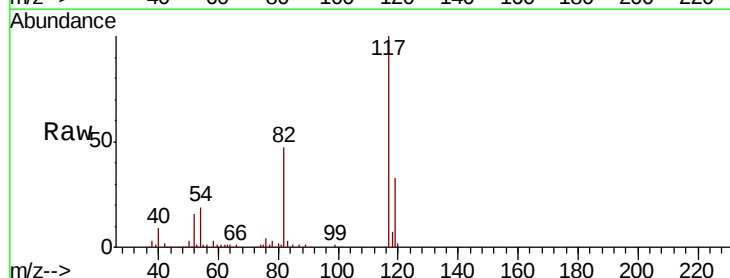
Tgt Ion: 117 Resp: 512698

Ion Ratio Lower Upper

117 100

82 47.3 38.9 58.3

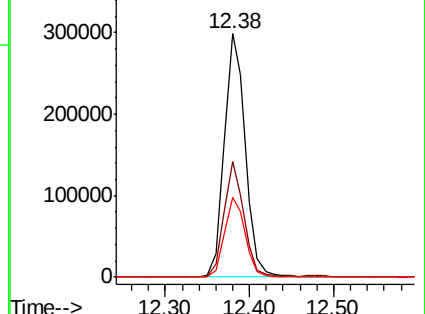
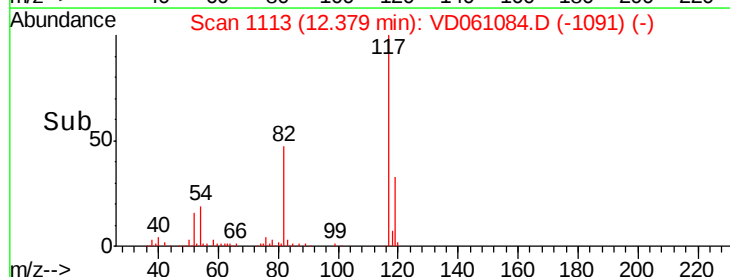
119 32.8 26.6 39.8

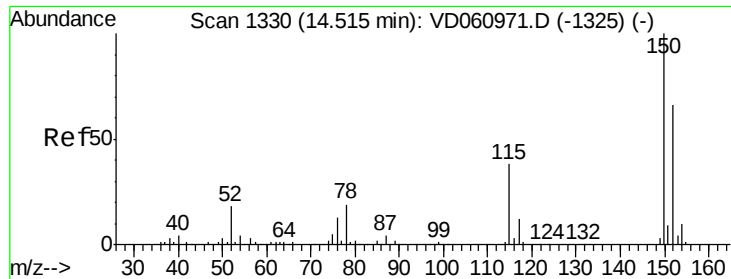


Abundance Ion 116.95 (116.65 to 117.65): V

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: 14.53 min Scan# 1331  
 Delta R.T. 0.01 min  
 Lab File: VD061084.D  
 Acq: 15 Mar 2019 13:54

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
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Tgt Ion:152 Resp: 174212  
 Ion Ratio Lower Upper  
 152 100  
 115 60.1 28.6 85.9  
 150 155.3 0.0 310.6

