

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031919\  
 Data File : VD061198.D  
 Acq On : 19 Mar 2019 21:17  
 Operator : VA/AP  
 Sample : K1935-10RE  
 Misc : 4.68g/5ml/MSVOA D/SOIL  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB-7(6-7)RE

Quant Time: Mar 20 02:29:42 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

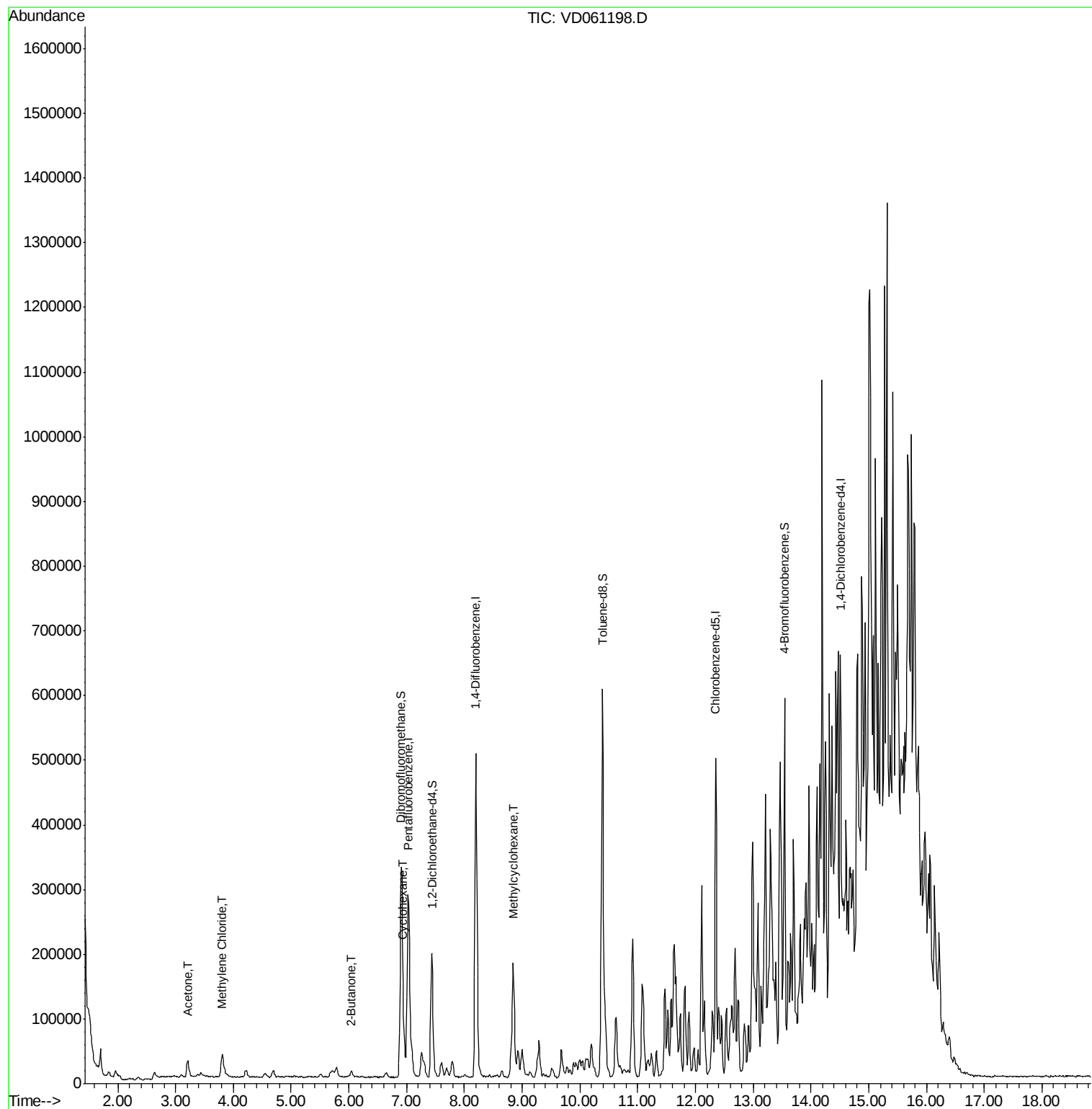
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.02  | 168  | 306977   | 50.00  | ug/l    | -0.02    |
| 34) 1,4-Difluorobenzene     | 8.20  | 114  | 603650   | 50.00  | ug/l    | -0.02    |
| 63) Chlorobenzene-d5        | 12.35 | 117  | 295916   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 14.51 | 152  | 54601    | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 7.44  | 65   | 204906   | 80.19  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 160.38% |          |
| 35) Dibromofluoromethane    | 6.91  | 113  | 312091   | 69.67  | ug/l    | -0.02    |
| Spiked Amount 50.000        |       |      | Recovery | =      | 139.34% |          |
| 50) Toluene-d8              | 10.39 | 98   | 447659   | 39.79  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 79.58%  |          |
| 62) 4-Bromofluorobenzene    | 13.54 | 95   | 98662    | 22.60  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 45.20%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.21  | 43   | 54129    | 74.079 | ug/l    | 93       |
| 20) Methylene Chloride      | 3.81  | 84   | 23527    | 2.645  | ug/l    | 97       |
| 25) 2-Butanone              | 6.04  | 43   | 19336    | 23.321 | ug/l    | 100      |
| 31) Cyclohexane             | 6.95  | 56   | 27193    | 6.014  | ug/l    | 95       |
| 39) Methylcyclohexane       | 8.85  | 83   | 94605    | 17.534 | ug/l    | 95       |

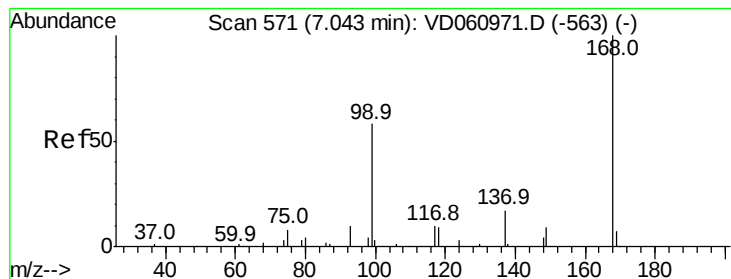
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD031919\  
Data File : VD061198.D  
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ALS Vial : 24 Sample Multiplier: 1

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MSVOA\_D  
ClientSampleId :  
SB-7(6-7)RE

Quant Time: Mar 20 02:29:42 2019  
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: 7.02 min Scan# 569

Delta R.T. -0.02 min

Lab File: VD061198.D

Acq: 19 Mar 2019 21:17

Instrument :

MSVOA\_D

ClientSampleId :

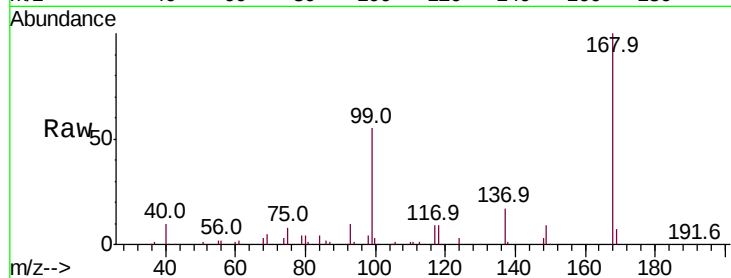
SB-7(6-7)RE

Tot Ion:168 Resp: 306977

Ion Ratio Lower Upper

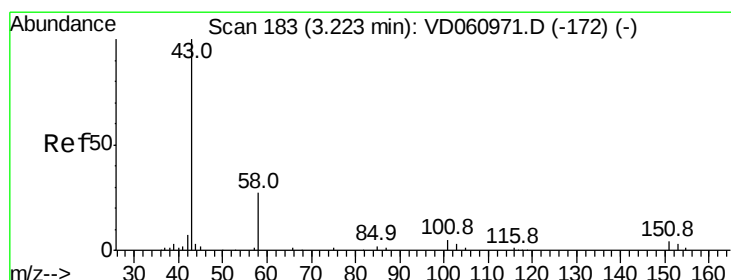
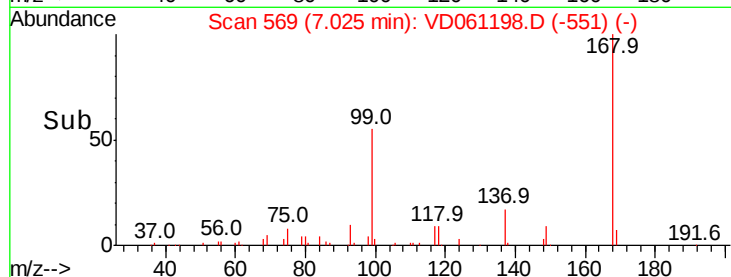
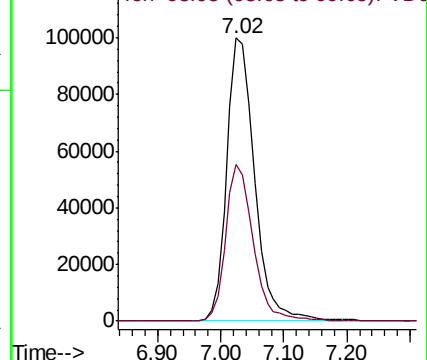
168 100

99 55.2 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: 74.079 ug/l

RT: 3.21 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD061198.D

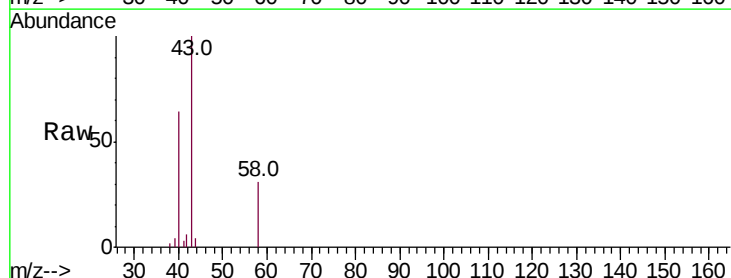
Acq: 19 Mar 2019 21:17

Tgt Ion: 43 Resp: 54129

Ion Ratio Lower Upper

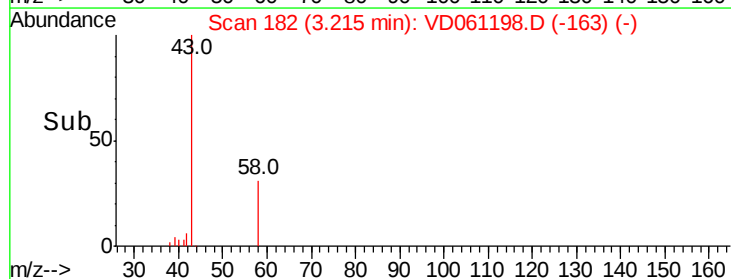
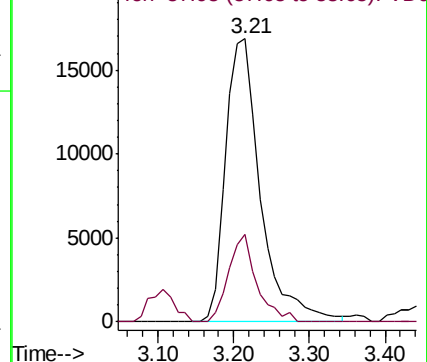
43 100

58 30.8 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

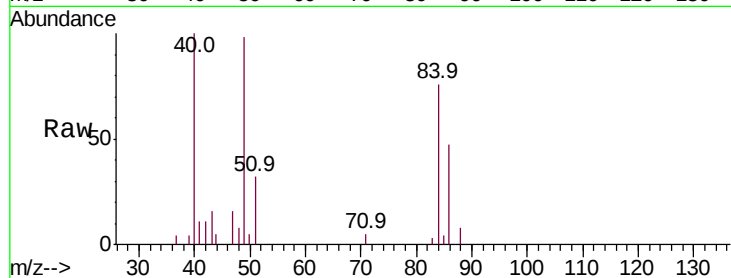




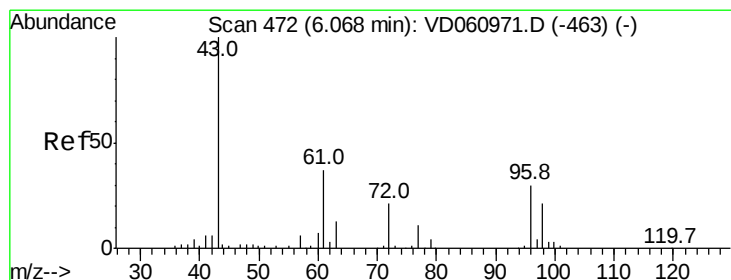
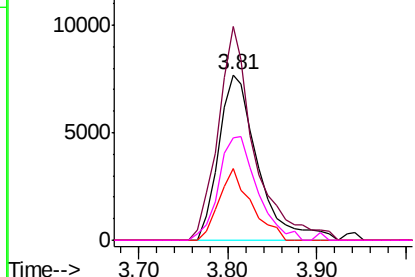
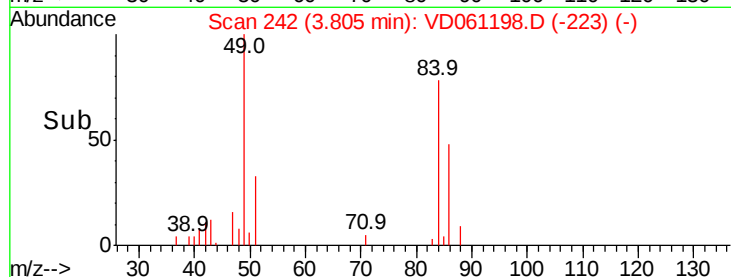
#20  
Methvlene Chloride  
Concen: 2.645 ug/l  
RT: 3.81 min Scan# 242  
Delta R.T. -0.02 min  
Lab File: VD061198.D  
Acq: 19 Mar 2019 21:17

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-7(6-7)RE

Tot Ion: 84 Resp: 23527  
Ion Ratio Lower Upper  
84 100  
49 128.8 104.2 156.2  
51 42.9 32.3 48.5  
86 61.7 52.3 78.5

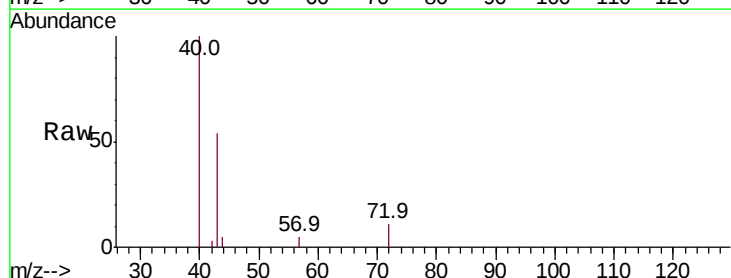


Abundance Ion 83.95 (83.65 to 84.65): VDC  
Ion 48.90 (48.60 to 49.60): VDC  
Ion 50.90 (50.60 to 51.60): VDC  
Ion 85.90 (85.60 to 86.60): VDC

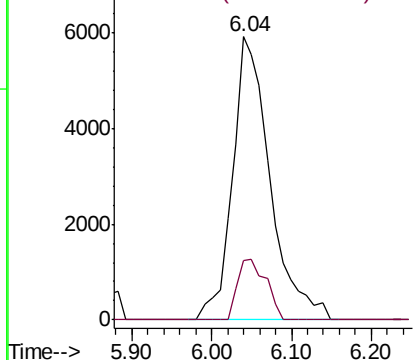
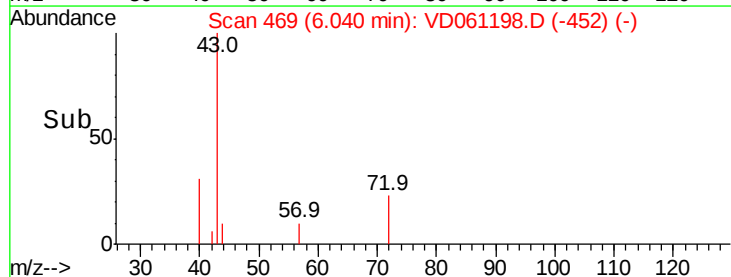


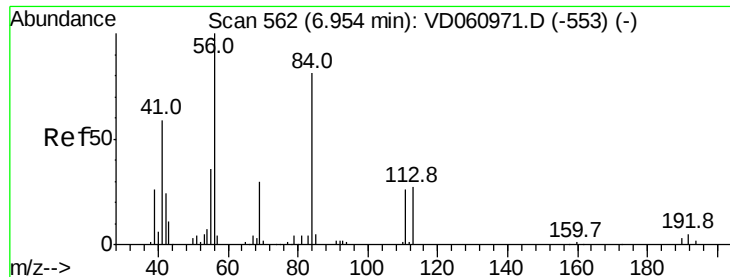
#25  
2-Butanone  
Concen: 23.321 ug/l  
RT: 6.04 min Scan# 469  
Delta R.T. -0.03 min  
Lab File: VD061198.D  
Acq: 19 Mar 2019 21:17

Tgt Ion: 43 Resp: 19336  
Ion Ratio Lower Upper  
43 100  
72 20.8 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC  
Ion 72.00 (71.70 to 72.70): VDC

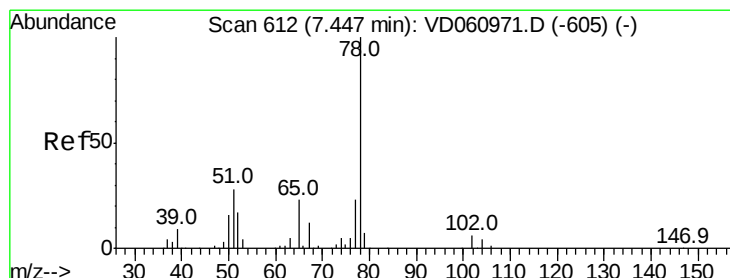
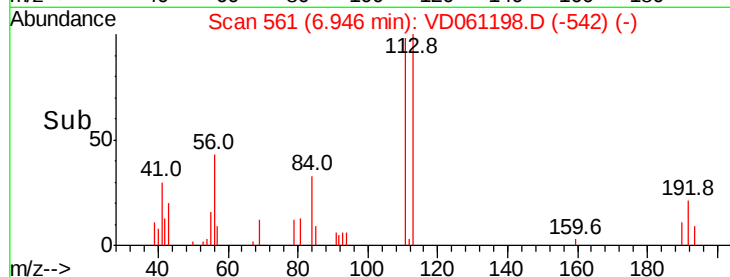
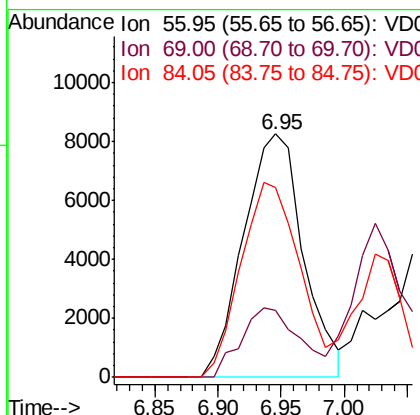
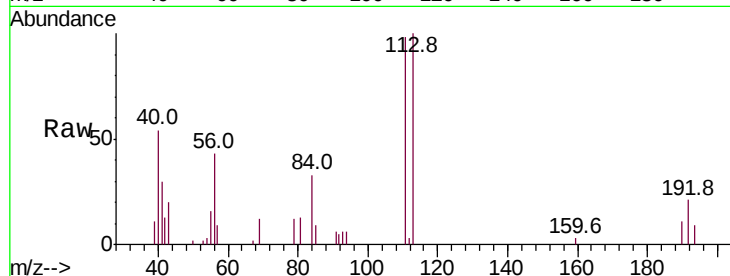




#31  
Cyclohexane  
Concen: 6.014 ug/l  
RT: 6.95 min Scan# 561  
Delta R.T. -0.01 min  
Lab File: VD061198.D  
Acq: 19 Mar 2019 21:17

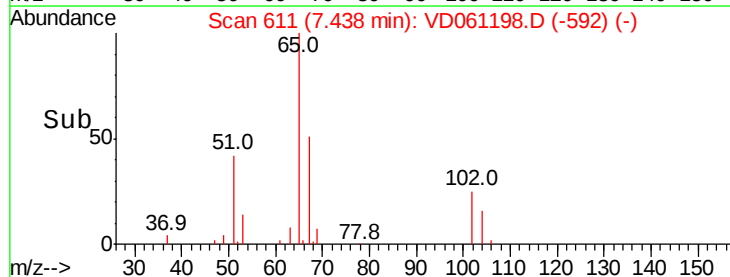
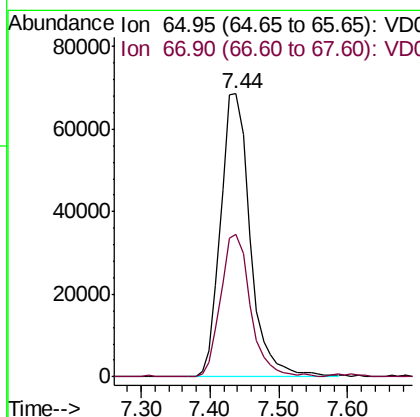
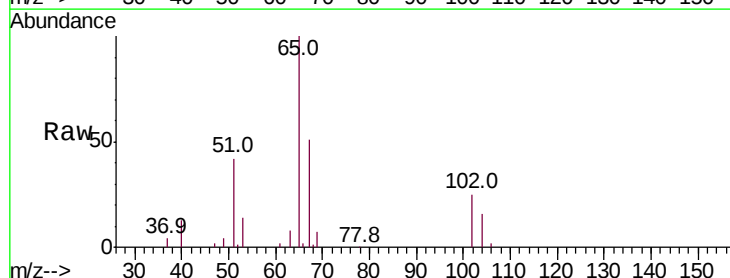
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-7(6-7)RE

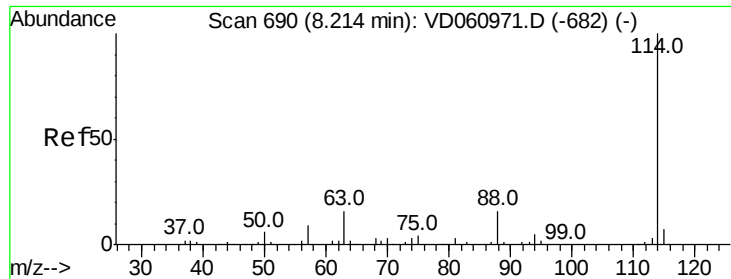
Tot Ion: 56 Resp: 27193  
Ion Ratio Lower Upper  
56 100  
69 27.7 24.0 36.0  
84 77.8 65.8 98.6



#33  
1,2-Dichloroethane-d4  
Concen: N.D. ug/l  
RT: 7.44 min Scan# 611  
Delta R.T. -0.01 min  
Lab File: VD061198.D  
Acq: 19 Mar 2019 21:17

Tgt Ion: 65 Resp: 204906  
Ion Ratio Lower Upper  
65 100  
67 50.6 0.0 105.2

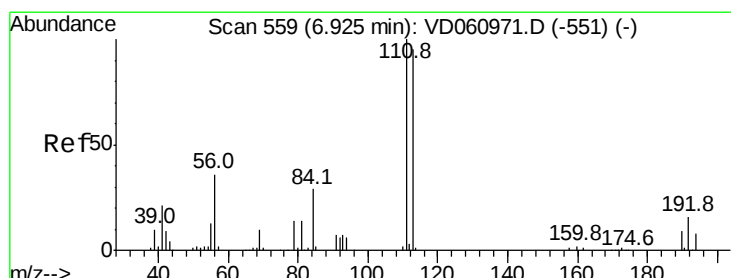
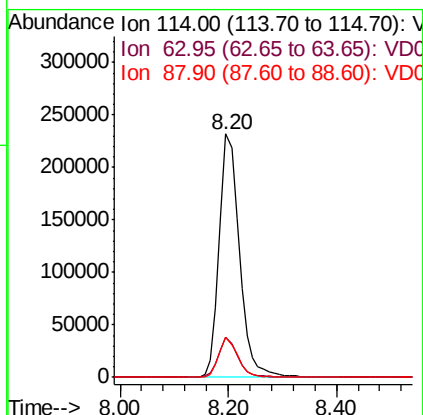
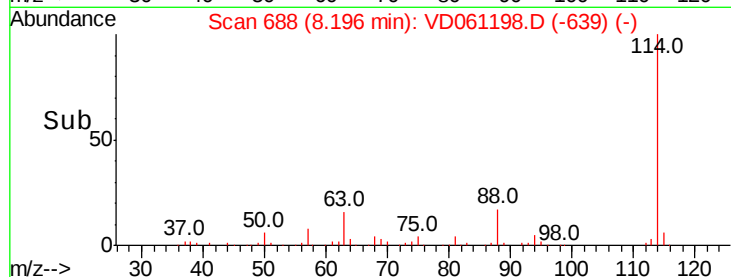
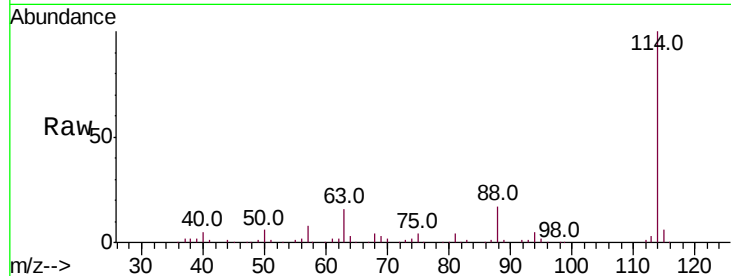




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.20 min Scan# 688  
 Delta R.T. -0.02 min  
 Lab File: VD061198.D  
 Acq: 19 Mar 2019 21:17

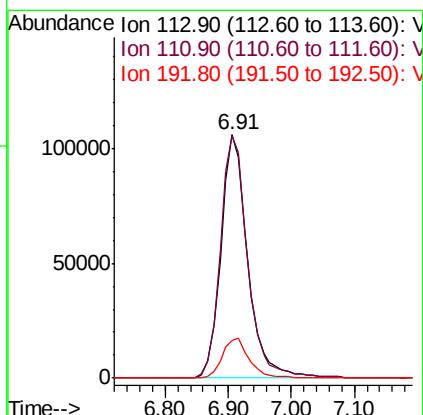
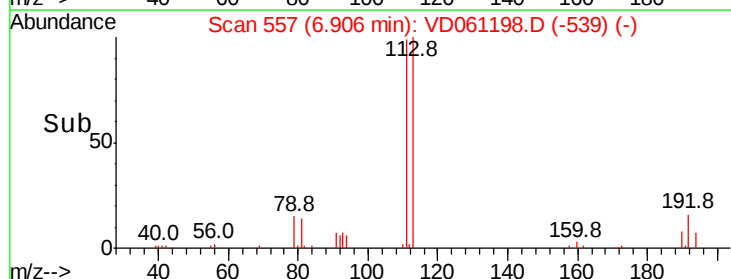
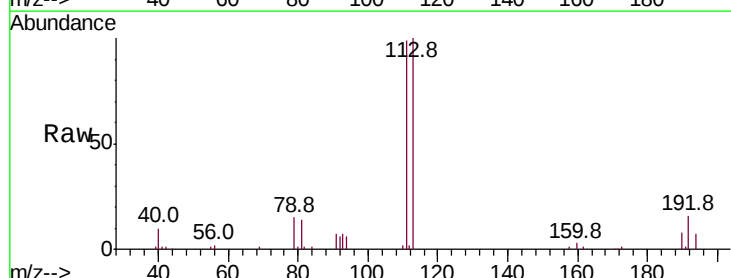
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB-7(6-7)RE

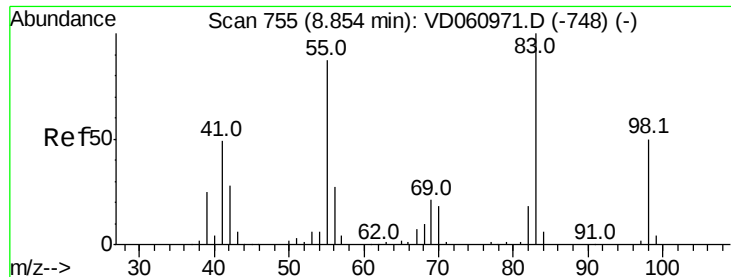
Tot Ion:114 Resp: 603650  
 Ion Ratio Lower Upper  
 114 100  
 63 16.3 0.0 31.4  
 88 16.6 0.0 33.0



#35  
 Dibromofluoromethane  
 Concen: 50.000 ug/l  
 RT: 6.91 min Scan# 557  
 Delta R.T. -0.02 min  
 Lab File: VD061198.D  
 Acq: 19 Mar 2019 21:17

Tgt Ion:113 Resp: 312091  
 Ion Ratio Lower Upper  
 113 100  
 111 99.4 84.2 126.4  
 192 15.5 13.1 19.7

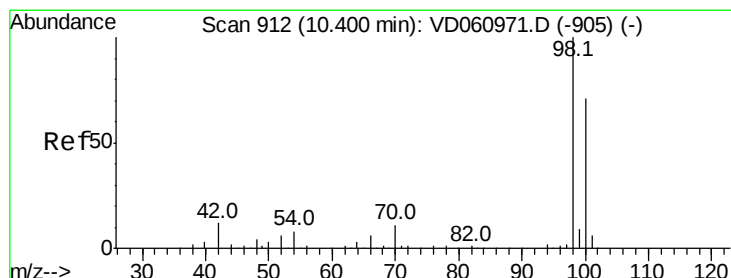
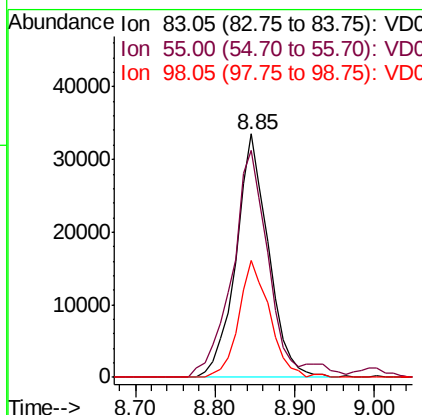
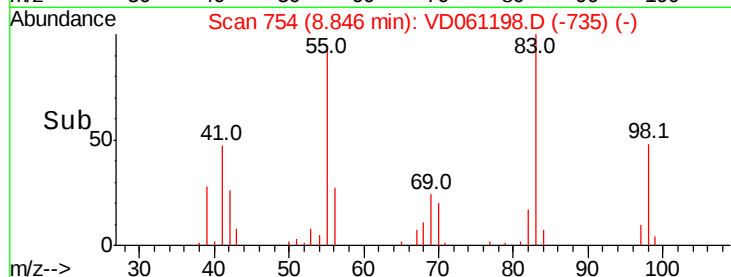
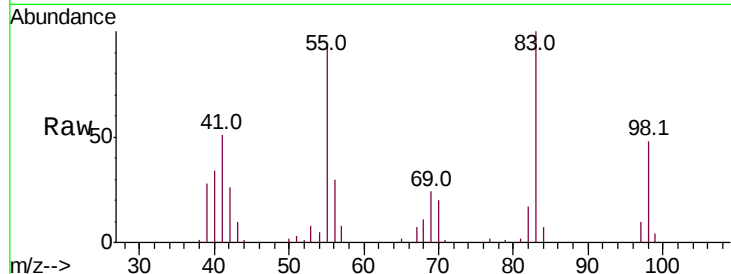




#39  
Methvlcvclohexane  
Concen: 17.534 ug/l  
RT: 8.85 min Scan# 754  
Delta R.T. -0.01 min  
Lab File: VD061198.D  
Acq: 19 Mar 2019 21:17

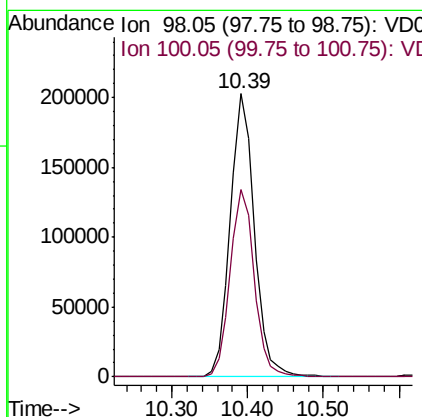
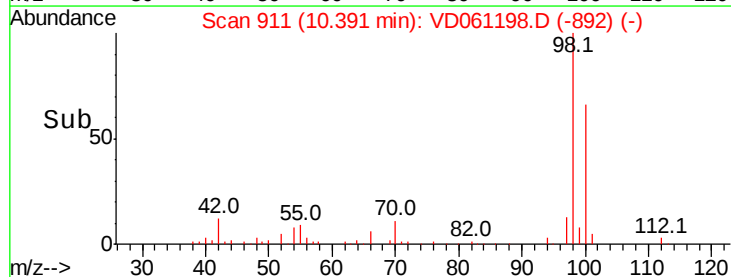
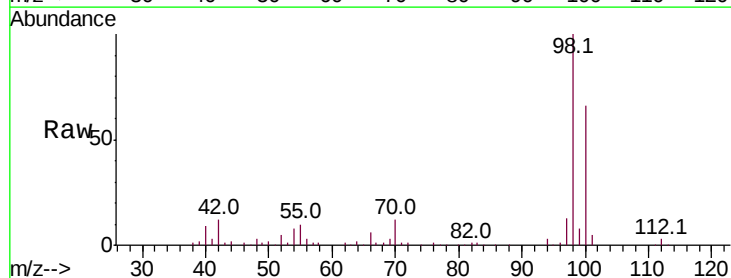
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-7(6-7)RE

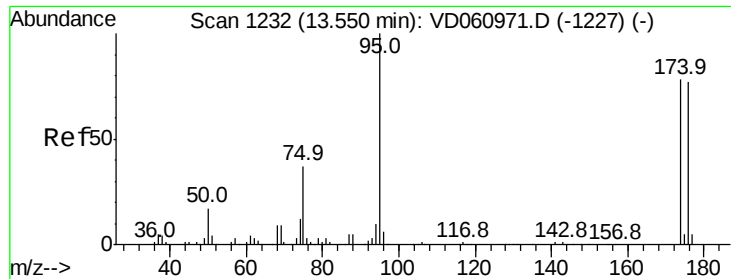
Tot Ion: 83 Resp: 94605  
Ion Ratio Lower Upper  
83 100  
55 93.2 69.6 104.4  
98 48.0 40.0 60.0



#50  
Toluene-d8  
Concen: N.D. ug/l  
RT: 10.39 min Scan# 911  
Delta R.T. -0.01 min  
Lab File: VD061198.D  
Acq: 19 Mar 2019 21:17

Tgt Ion: 98 Resp: 447659  
Ion Ratio Lower Upper  
98 100  
100 66.1 57.4 86.2





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.54 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD061198.D

Acq: 19 Mar 2019 21:17

Instrument :

MSVOA\_D

ClientSampleId :

SB-7(6-7)RE

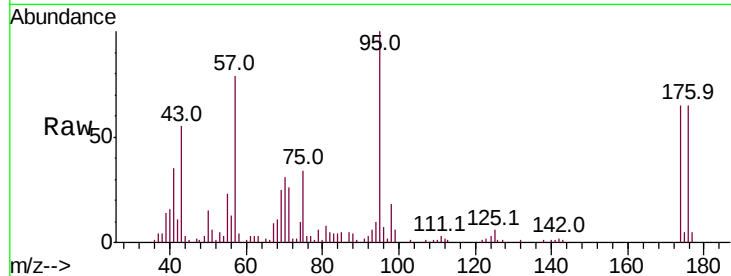
Tot Ion: 95 Resp: 98662

Ion Ratio Lower Upper

95 100

174 65.1 0.0 155.6

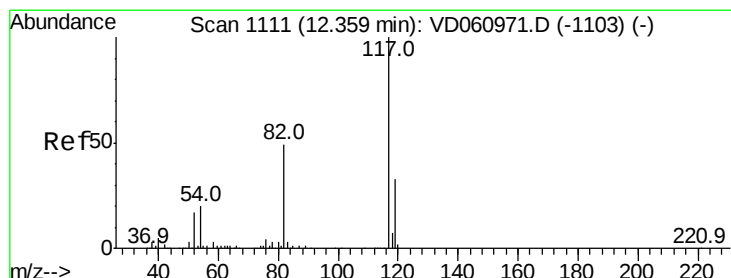
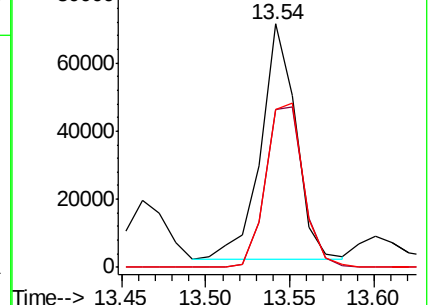
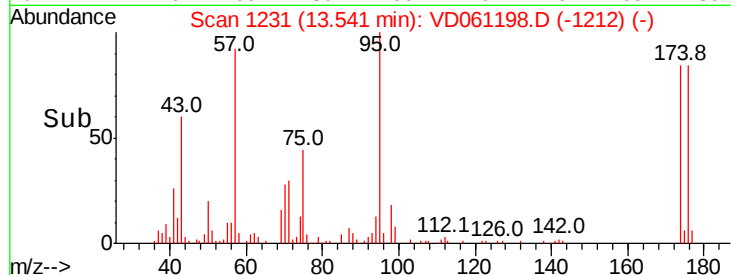
176 64.8 0.0 153.8



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: 12.35 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD061198.D

Acq: 19 Mar 2019 21:17

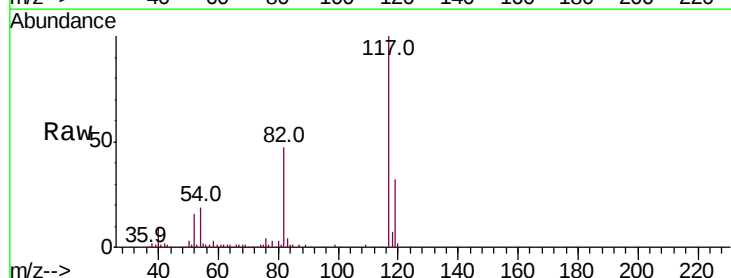
Tgt Ion: 117 Resp: 295916

Ion Ratio Lower Upper

117 100

82 47.1 38.9 58.3

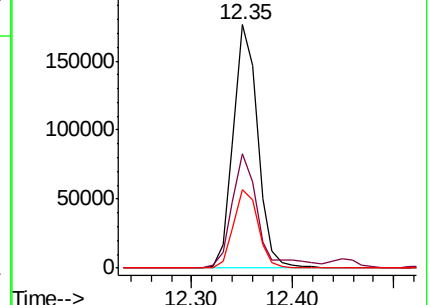
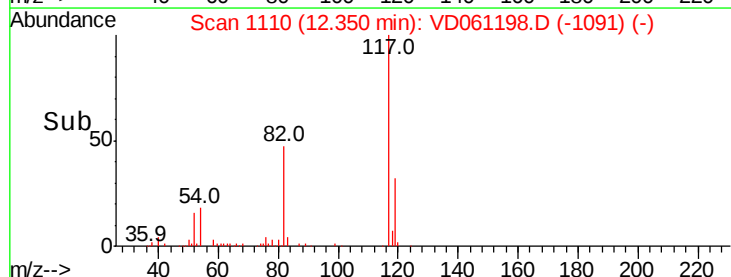
119 32.4 26.6 39.8

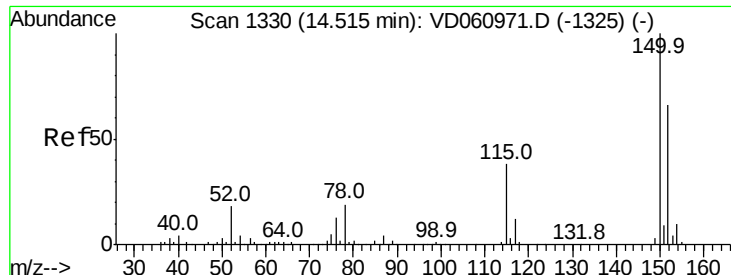


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

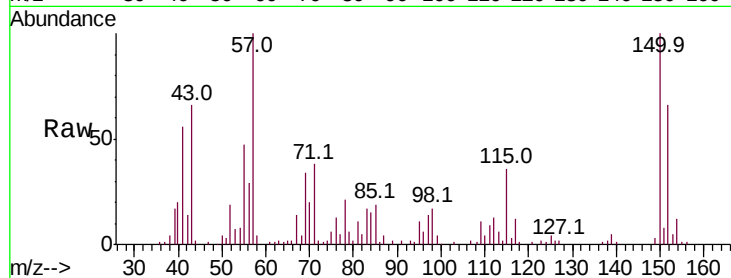




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 14.51 min Scan# 1329  
 Delta R.T. -0.01 min  
 Lab File: VD061198.D  
 Acq: 19 Mar 2019 21:17

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB-7(6-7)RE

Tot Ion:152 Resp: 54601  
 Ion Ratio Lower Upper  
 152 100  
 115 54.5 28.6 85.9  
 150 150.2 0.0 310.6



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

