

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122319\  
 Data File : VD064570.D  
 Acq On : 23 Dec 2019 16:03  
 Operator : VA/SY  
 Sample : K6396-08  
 Misc : 5.17G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB-3-(3-4)

Quant Time: Dec 24 06:17:43 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D112719S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 29 07:18:03 2019  
 Response via : Initial Calibration

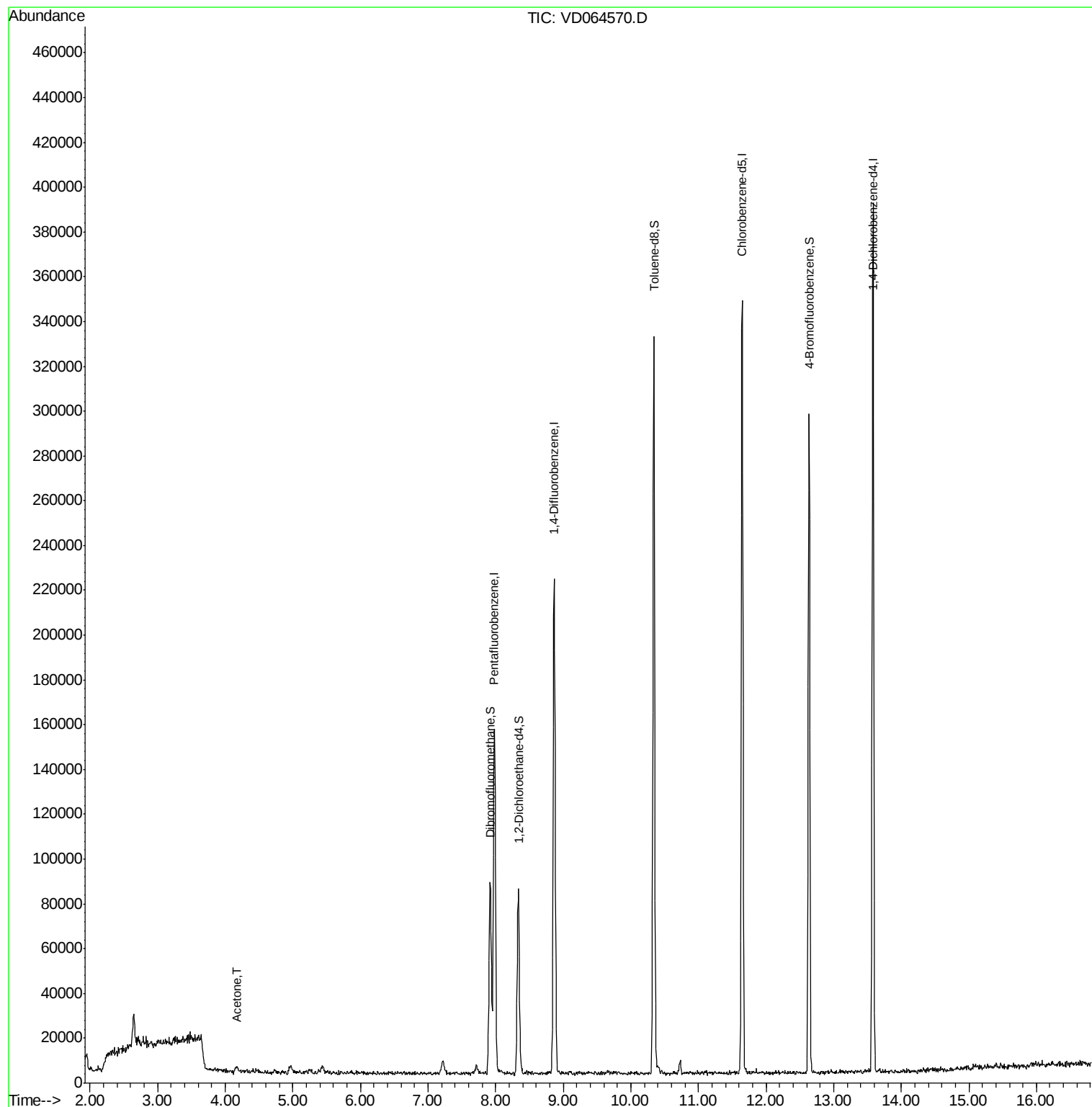
| Internal Standards          | R.T.   | QIon | Response | Conc   | Units   | Dev(Min)      |
|-----------------------------|--------|------|----------|--------|---------|---------------|
| 1) Pentafluorobenzene       | 7.98   | 168  | 120745   | 50.00  | ug/l    | 0.00          |
| 34) 1,4-Difluorobenzene     | 8.87   | 114  | 189613   | 50.00  | ug/l    | 0.00          |
| 63) Chlorobenzene-d5        | 11.65  | 117  | 201472   | 50.00  | ug/l    | 0.00          |
| 72) 1,4-Dichlorobenzene-d4  | 13.58  | 152  | 102070   | 50.00  | ug/l    | 0.00          |
| System Monitoring Compounds |        |      |          |        |         |               |
| 33) 1,2-Dichloroethane-d4   | 8.33   | 65   | 65591    | 60.01  | ug/l    | 0.00          |
| Spiked Amount               | 50.000 |      | Recovery | =      | 120.02% |               |
| 35) Dibromofluoromethane    | 7.92   | 113  | 60121    | 50.32  | ug/l    | 0.00          |
| Spiked Amount               | 50.000 |      | Recovery | =      | 100.64% |               |
| 50) Toluene-d8              | 10.34  | 98   | 230155   | 51.14  | ug/l    | 0.00          |
| Spiked Amount               | 50.000 |      | Recovery | =      | 102.28% |               |
| 62) 4-Bromofluorobenzene    | 12.64  | 95   | 88256    | 61.03  | ug/l    | 0.00          |
| Spiked Amount               | 50.000 |      | Recovery | =      | 122.06% |               |
| Target Compounds            |        |      |          |        |         |               |
| 16) Acetone                 | 4.17   | 43   | 5023     | 22.743 | ug/l    | Qvalue<br>100 |

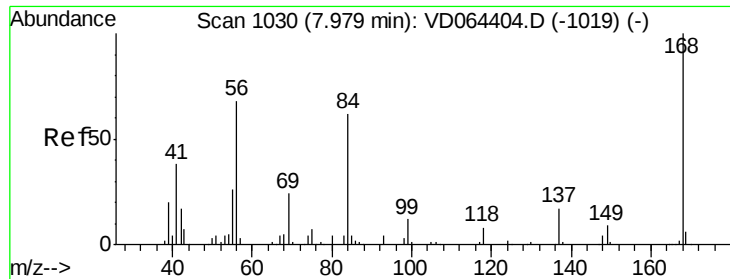
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SB-3-(3-4)

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Quant Title : SW846 8260  
QLast Update : Fri Nov 29 07:18:03 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD064570.D

Acq: 23 Dec 2019 16:03

Instrument :

MSVOA\_D

ClientSampleId :

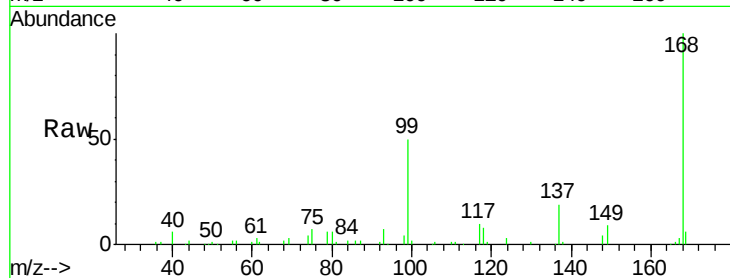
SB-3-(3-4)

Tot Ion:168 Resp: 120745

Ion Ratio Lower Upper

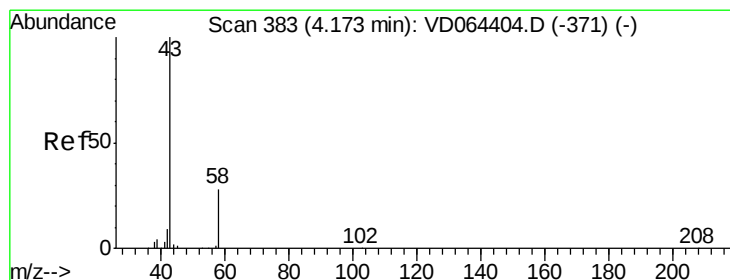
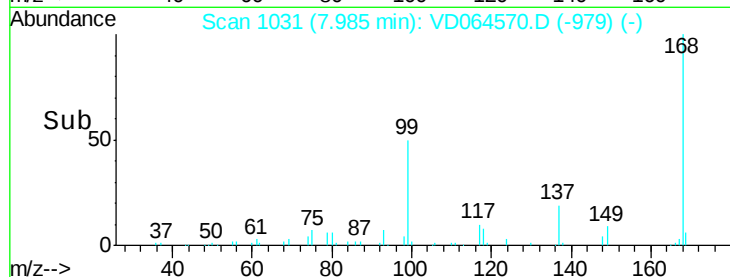
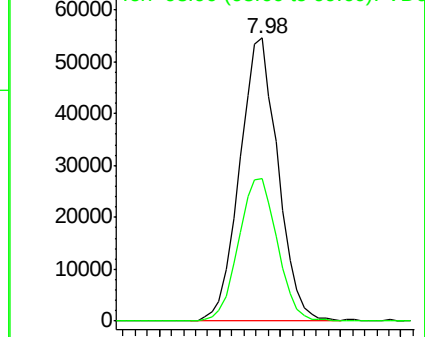
168 100

99 50.2 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 22.743 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.01 min

Lab File: VD064570.D

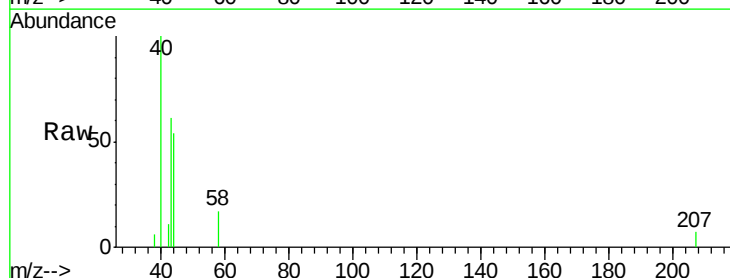
Acq: 23 Dec 2019 16:03

Tgt Ion: 43 Resp: 5023

Ion Ratio Lower Upper

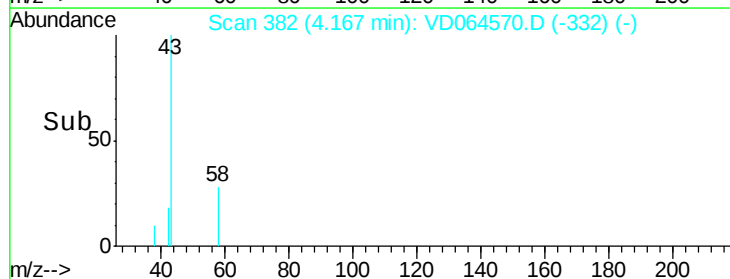
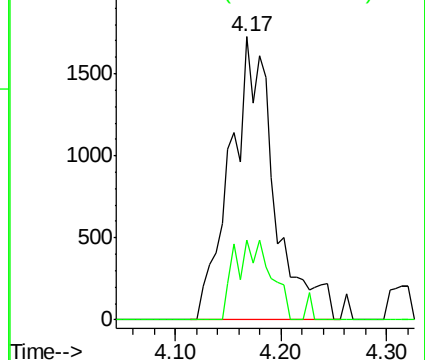
43 100

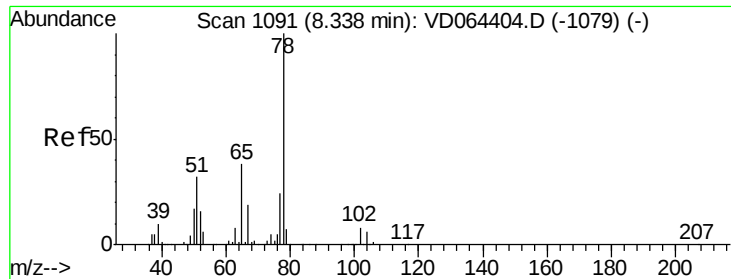
58 28.0 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#33

1,2-Dichloroethane-d4

Concen: 60.015 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064570.D

Acq: 23 Dec 2019 16:03

Instrument :

MSVOA\_D

ClientSampleId :

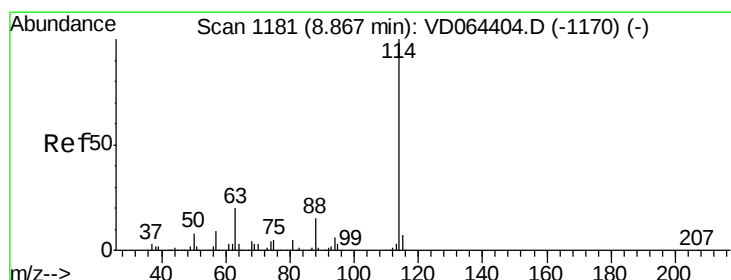
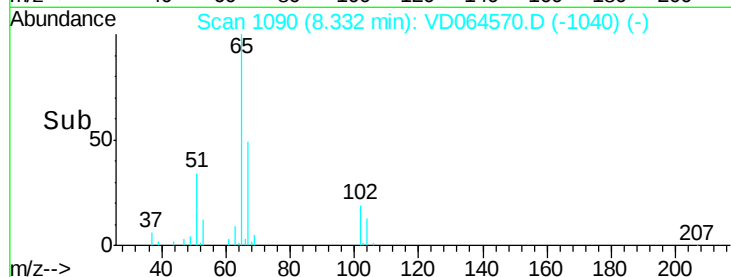
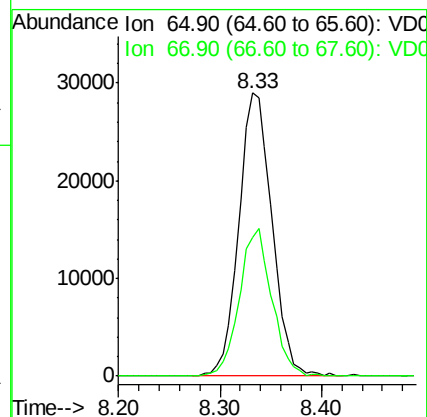
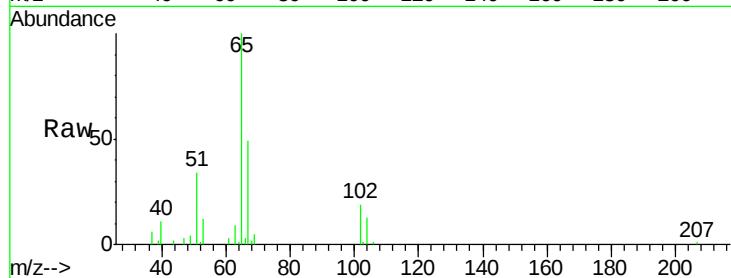
SB-3-(3-4)

Tot Ion: 65 Resp: 65591

Ion Ratio Lower Upper

65 100

67 51.0 0.0 102.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD064570.D

Acq: 23 Dec 2019 16:03

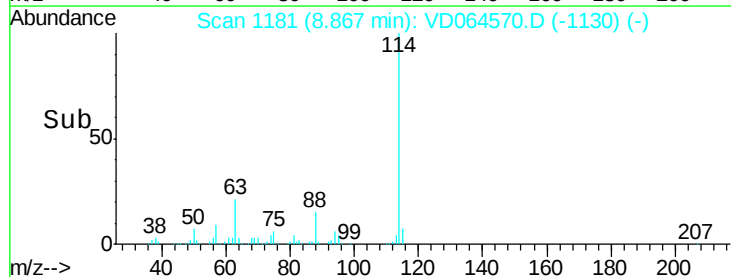
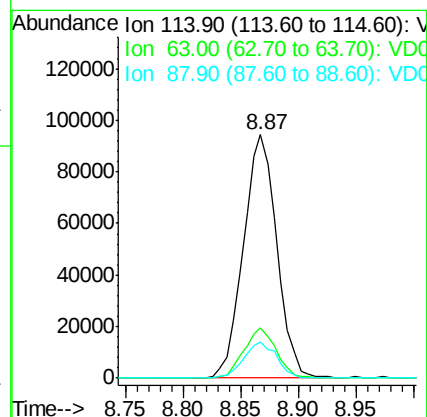
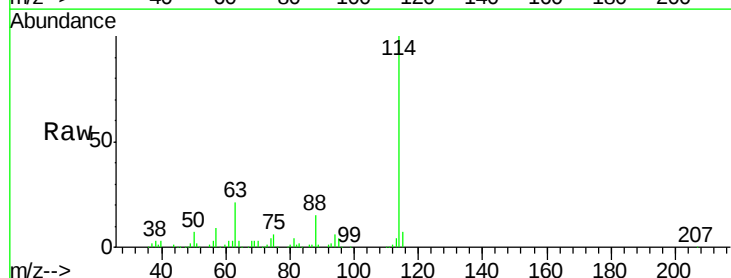
Tgt Ion: 114 Resp: 189613

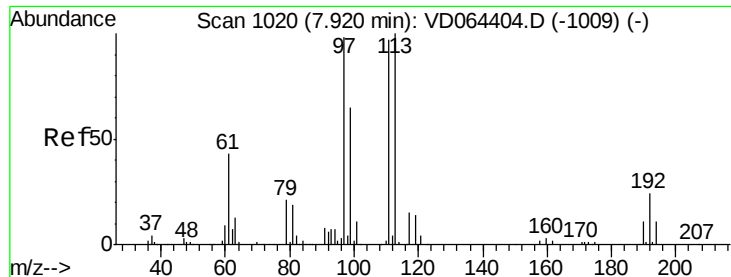
Ion Ratio Lower Upper

114 100

63 20.8 0.0 40.0

88 14.8 0.0 29.2





#35

Dibromofluoromethane

Concen: 50.325 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD064570.D

Acq: 23 Dec 2019 16:03

Instrument :

MSVOA\_D

ClientSampleId :

SB-3-(3-4)

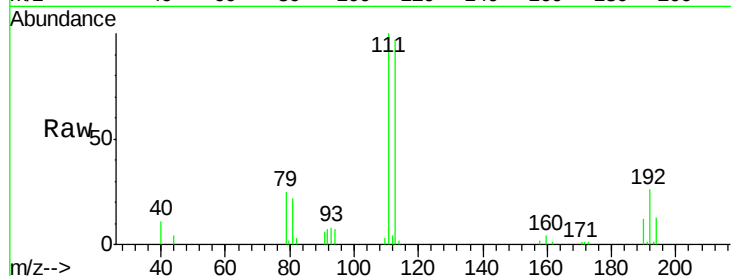
Tot Ion:113 Resp: 60121

Ion Ratio Lower Upper

113 100

111 105.1 79.4 119.2

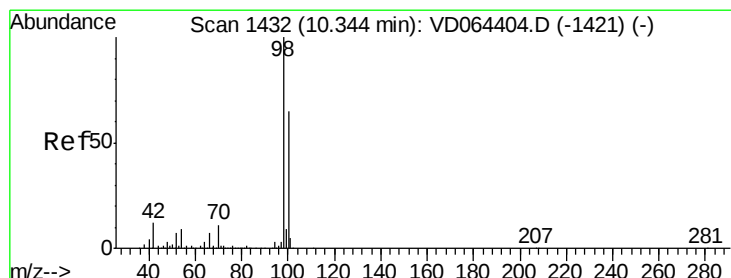
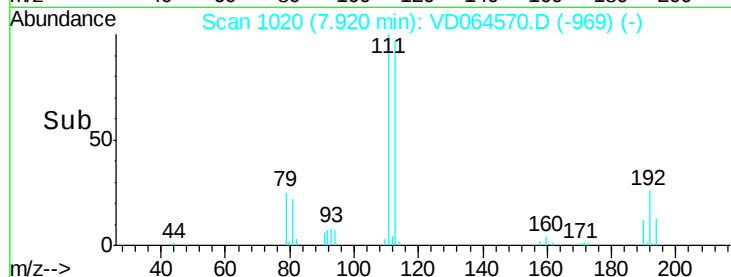
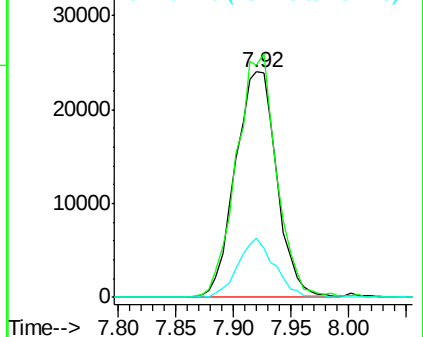
192 23.2 18.6 28.0



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: 51.144 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD064570.D

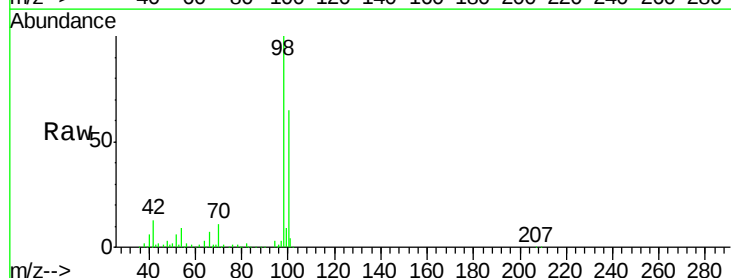
Acq: 23 Dec 2019 16:03

Tgt Ion: 98 Resp: 230155

Ion Ratio Lower Upper

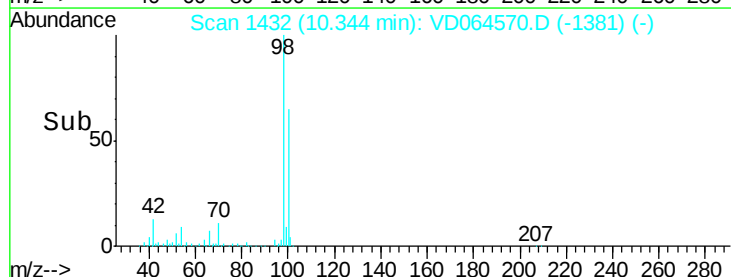
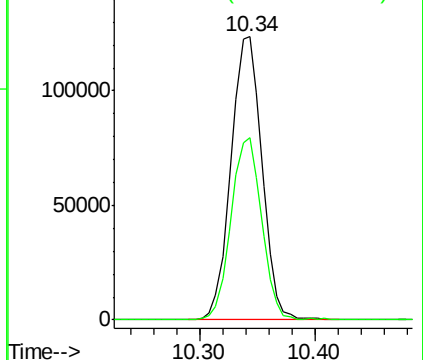
98 100

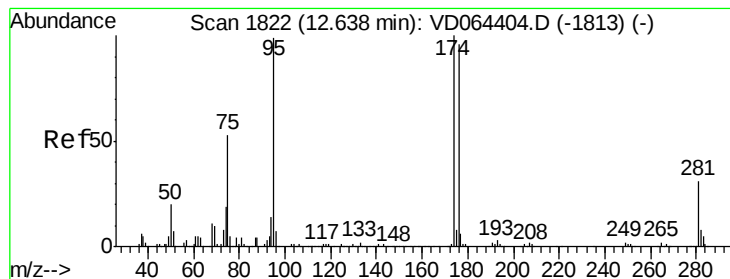
100 63.4 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 61.025 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD064570.D

Acq: 23 Dec 2019 16:03

Instrument :

MSVOA\_D

ClientSampleId :

SB-3-(3-4)

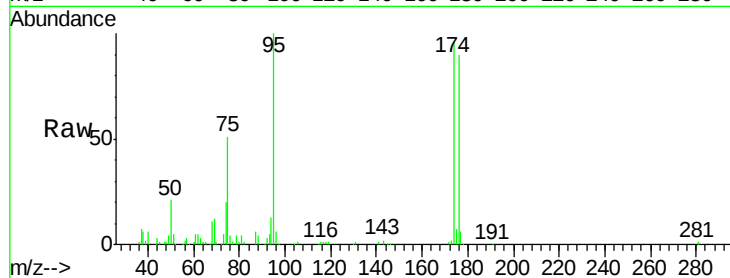
Tot Ion: 95 Resp: 88256

Ion Ratio Lower Upper

95 100

174 95.4 0.0 197.2

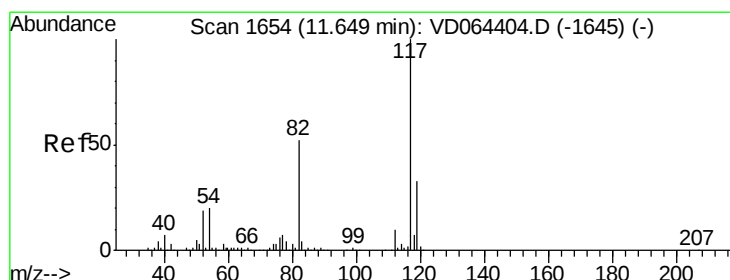
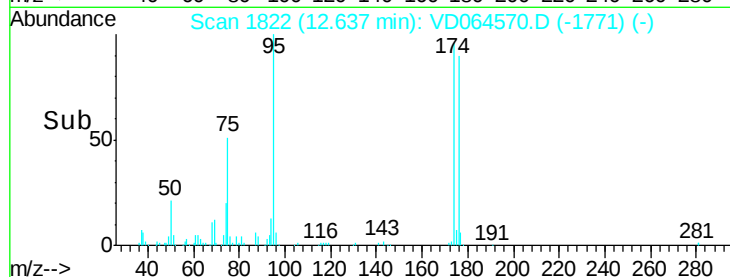
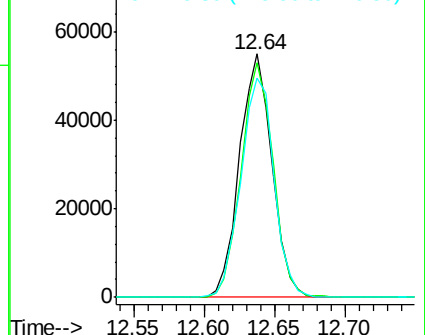
176 92.4 0.0 189.6



Abundance Ion 94.90 (94.60 to 95.60): V

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: 11.65 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VD064570.D

Acq: 23 Dec 2019 16:03

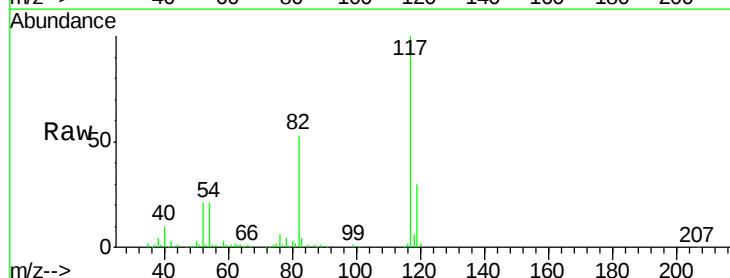
Tgt Ion: 117 Resp: 201472

Ion Ratio Lower Upper

117 100

82 52.6 41.4 62.2

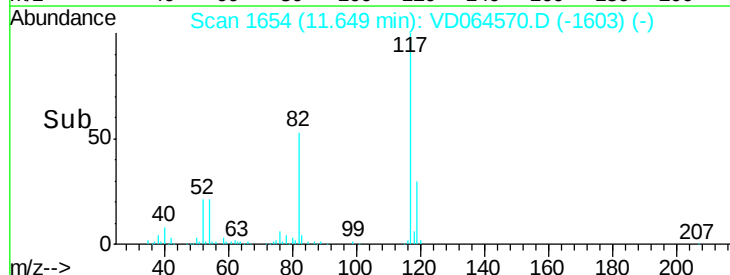
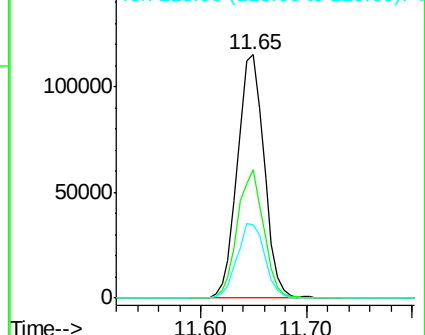
119 30.0 26.2 39.2

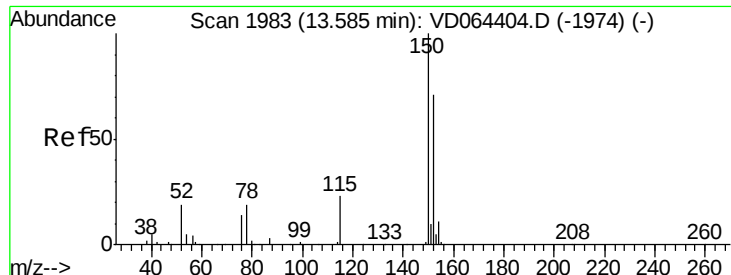


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD064570.D

Acq: 23 Dec 2019 16:03

Instrument :

MSVOA\_D

ClientSampleId :

SB-3-(3-4)

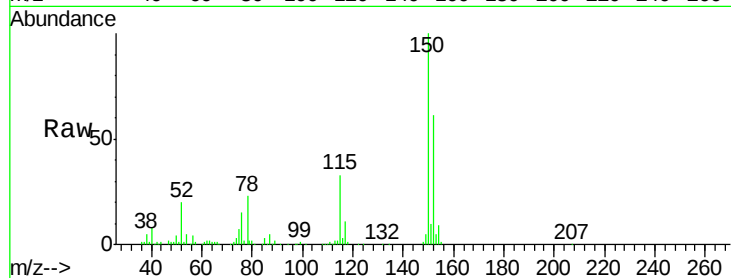
Tot Ion:152 Resp: 102070

Ion Ratio Lower Upper

152 100

115 55.1 26.7 80.1

150 157.4 0.0 347.2



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

