

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031419\
 Data File : VD061064.D
 Acq On : 14 Mar 2019 14:58
 Operator : VA/AP
 Sample : K1869-09RE
 Misc : 5.28g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-2RE

Quant Time: Mar 15 03:20:12 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

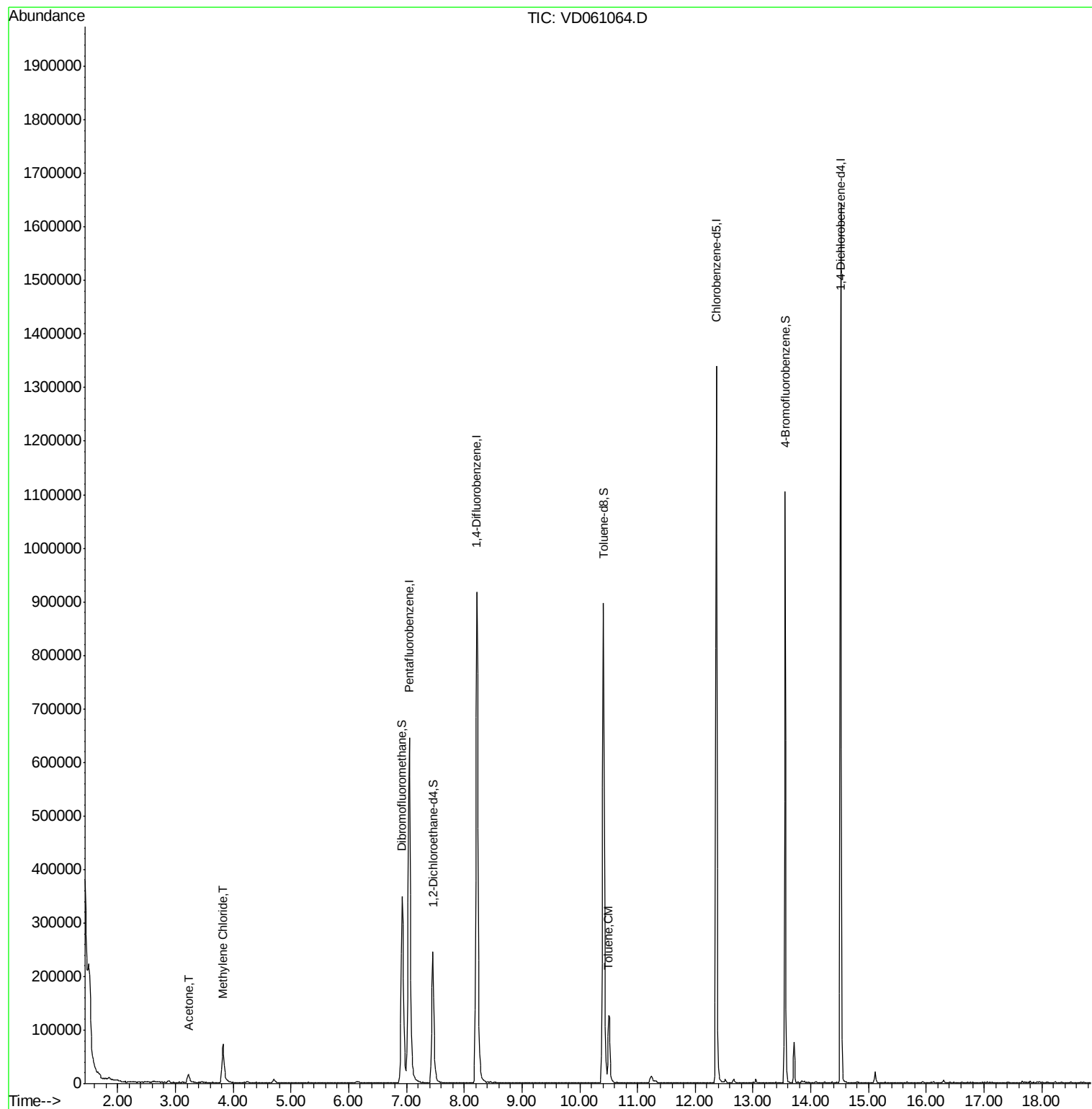
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	656004	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1133118	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	867922	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	385861	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	232423	42.56	ug/l	0.01
Spiked Amount 50.000			Recovery	=	85.12%	
35) Dibromofluoromethane	6.93	113	362267	43.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.16%	
50) Toluene-d8	10.41	98	838883	39.72	ug/l	0.01
Spiked Amount 50.000			Recovery	=	79.44%	
62) 4-Bromofluorobenzene	13.55	95	332758	40.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	81.22%	
Target Compounds						
16) Acetone	3.23	43	30907	19.793	ug/l	95
20) Methylene Chloride	3.83	84	56526	3.613	ug/l	91
52) Toluene	10.50	92	75307	4.962	ug/l	97

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.00 min

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MSVOA_D

ClientSampleId :

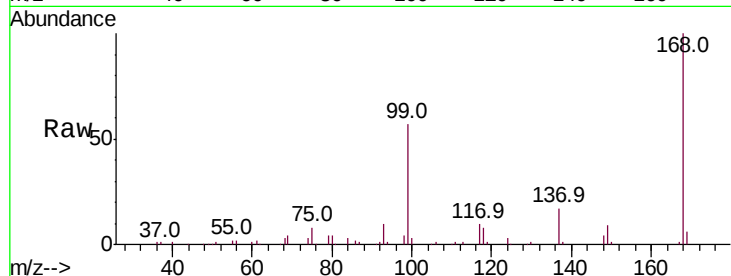
SP-2RE

Tot Ion:168 Resp: 656004

Ion Ratio Lower Upper

168 100

99 57.3 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

250000

200000

150000

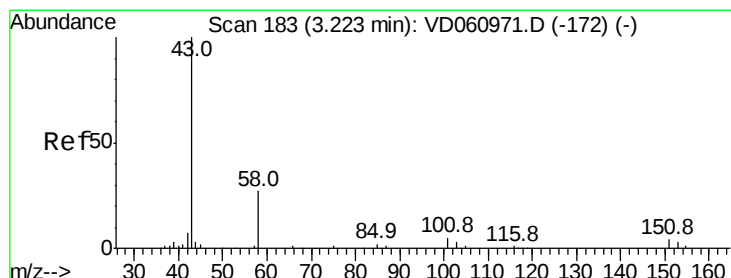
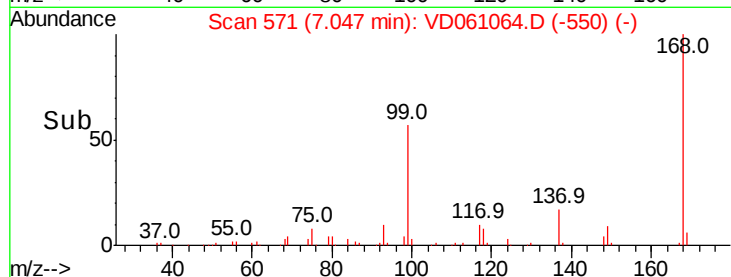
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#16

Acetone

Concen: 19.793 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD061064.D

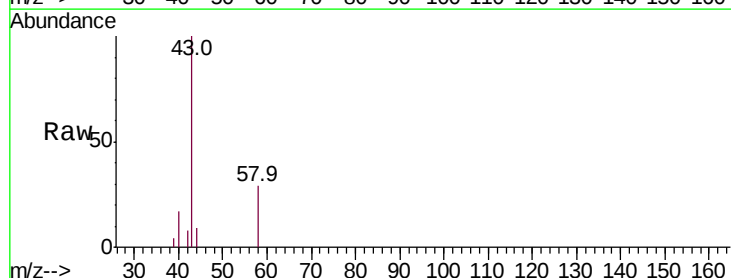
Acq: 14 Mar 2019 14:58

Tgt Ion: 43 Resp: 30907

Ion Ratio Lower Upper

43 100

58 29.4 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.23

12000

10000

8000

6000

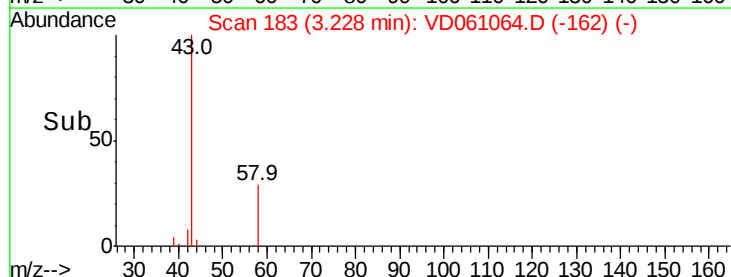
4000

2000

0

Time-->

3.10 3.20 3.30

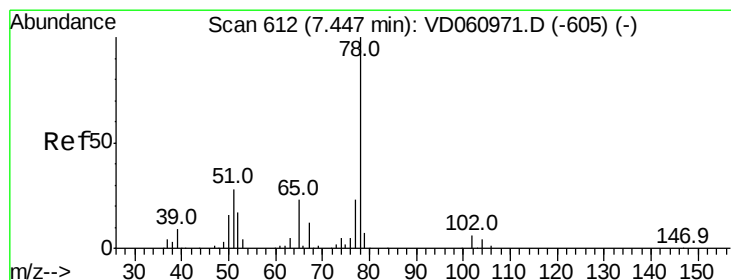
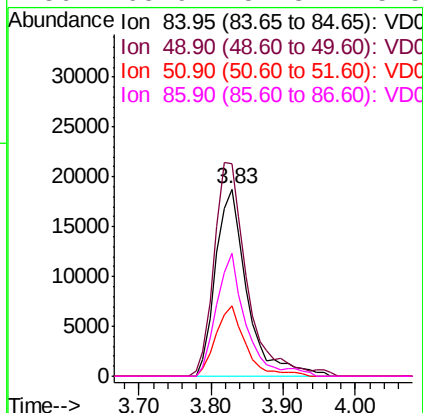
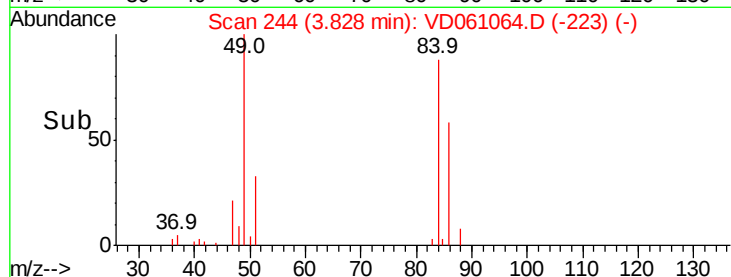
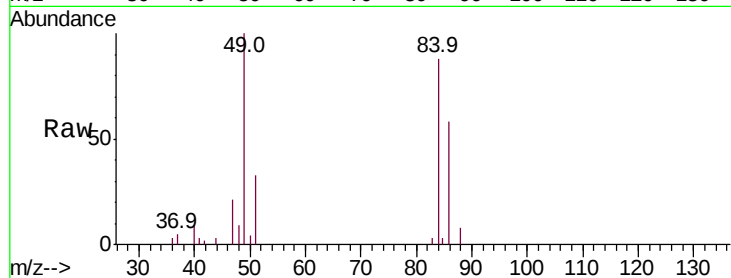




#20
Methylene Chloride
Concen: 3.613 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.01 min
Lab File: VD061064.D
Acq: 14 Mar 2019 14:58

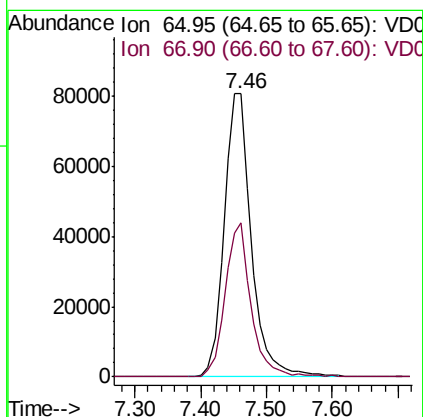
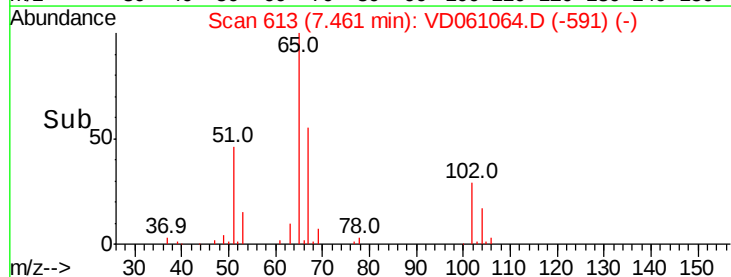
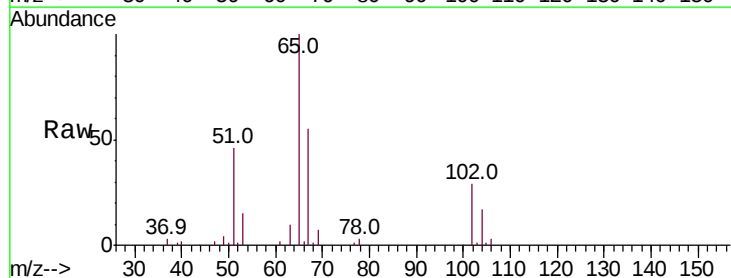
Instrument :
MSVOA_D
ClientSampleId :
SP-2RE

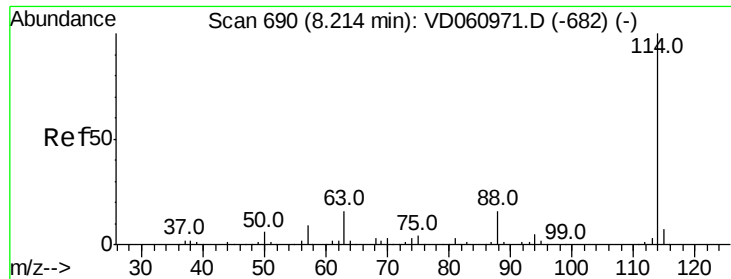
Tot Ion: 84 Resp: 56526
Ion Ratio Lower Upper
84 100
49 113.3 104.2 156.2
51 37.7 32.3 48.5
86 65.9 52.3 78.5



#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.46 min Scan# 613
Delta R.T. 0.01 min
Lab File: VD061064.D
Acq: 14 Mar 2019 14:58

Tgt Ion: 65 Resp: 232423
Ion Ratio Lower Upper
65 100
67 54.5 0.0 105.2

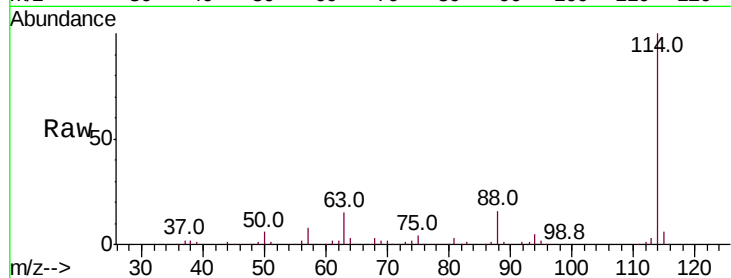




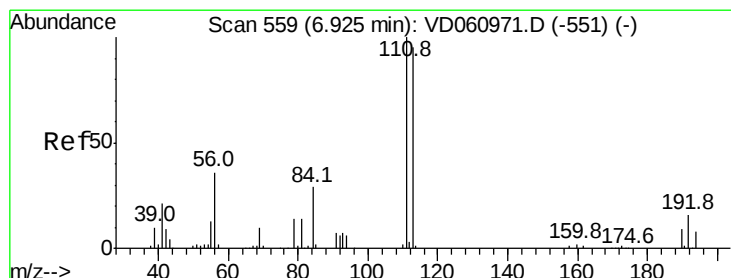
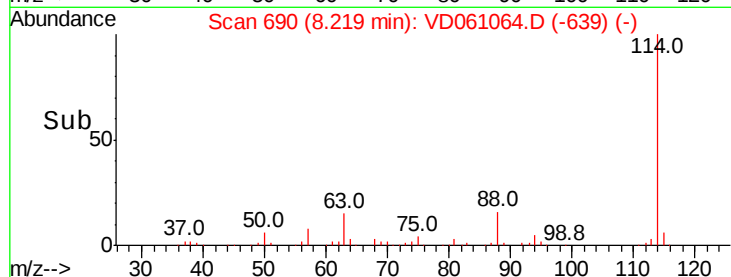
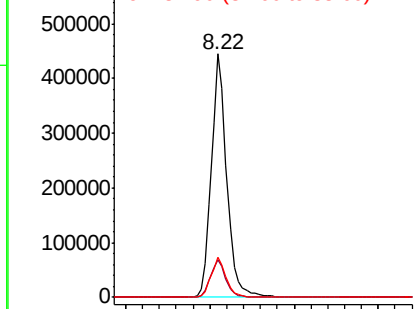
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.22 min Scan# 690
Delta R.T. 0.00 min
Lab File: VD061064.D
Acq: 14 Mar 2019 14:58

Instrument :
MSVOA_D
ClientSampleId :
SP-2RE

Tot Ion:114 Resp: 1133118
Ion Ratio Lower Upper
114 100
63 15.4 0.0 31.4
88 16.2 0.0 33.0

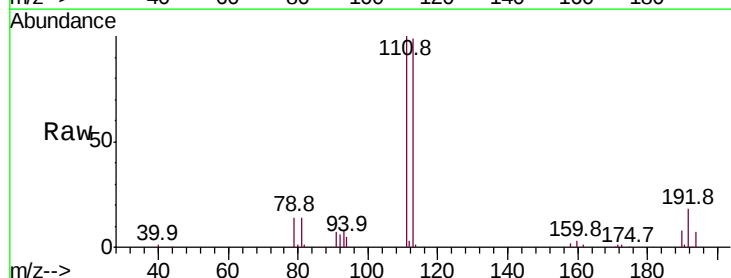


Abundance Ion 114.00 (113.70 to 114.70): V
Ion 62.95 (62.65 to 63.65): V
Ion 87.90 (87.60 to 88.60): V

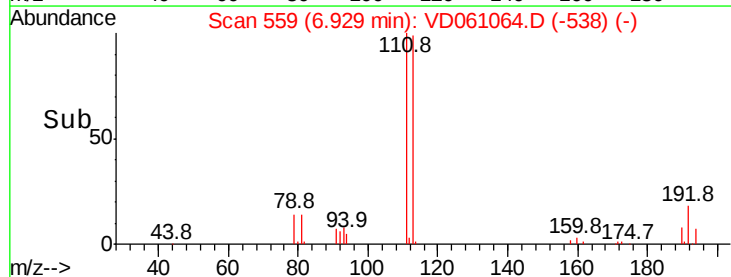
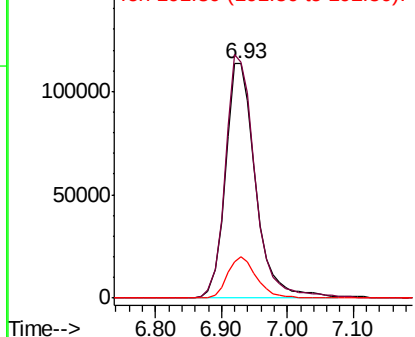


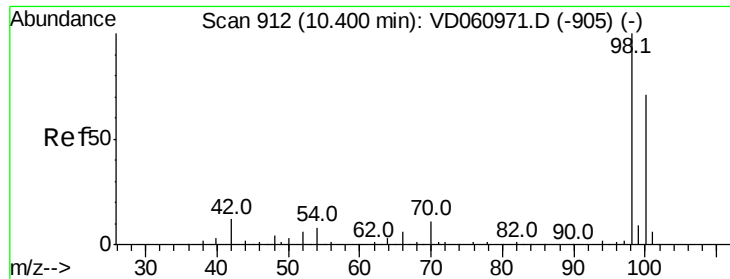
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.93 min Scan# 559
Delta R.T. 0.00 min
Lab File: VD061064.D
Acq: 14 Mar 2019 14:58

Tgt Ion:113 Resp: 362267
Ion Ratio Lower Upper
113 100
111 100.7 84.2 126.4
192 17.7 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





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.01 min

Lab File: VD061064.D

Acq: 14 Mar 2019 14:58

Instrument :

MSVOA_D

ClientSampleId :

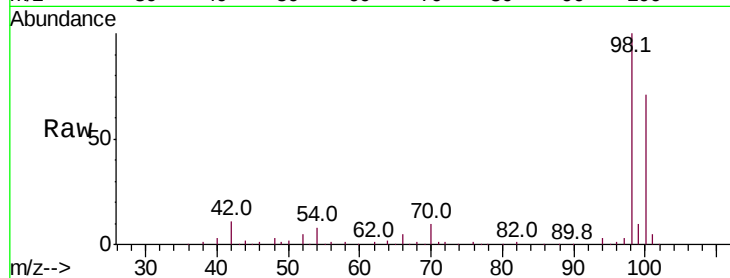
SP-2RE

Tot Ion: 98 Resp: 838883

Ion Ratio Lower Upper

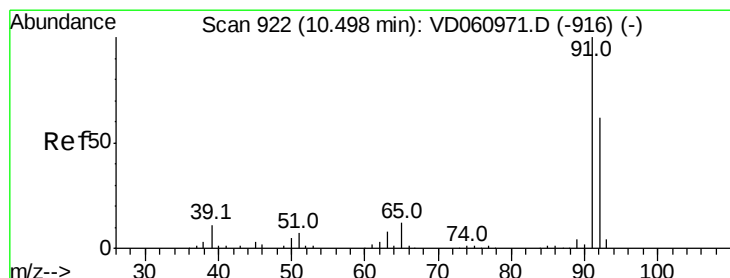
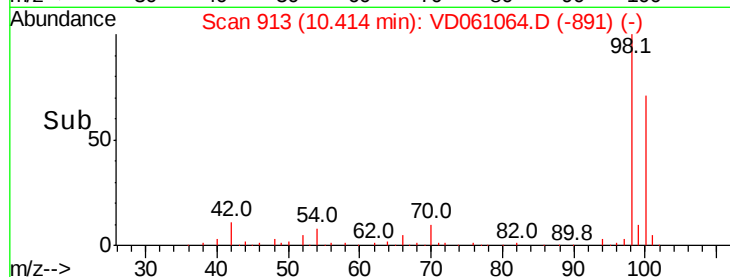
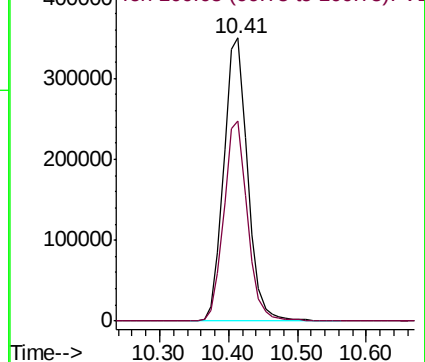
98 100

100 70.7 57.4 86.2



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



#52

Toluene

Concen: 4.962 ug/l

RT: 10.50 min Scan# 922

Delta R.T. 0.00 min

Lab File: VD061064.D

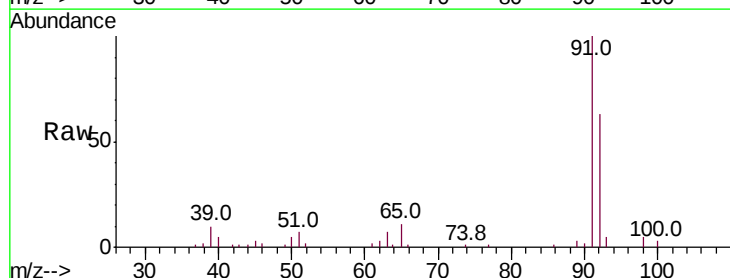
Acq: 14 Mar 2019 14:58

Tgt Ion: 92 Resp: 75307

Ion Ratio Lower Upper

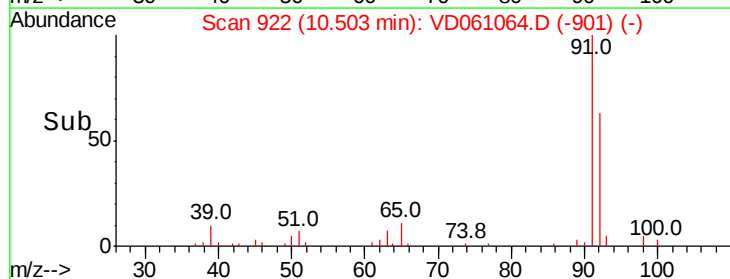
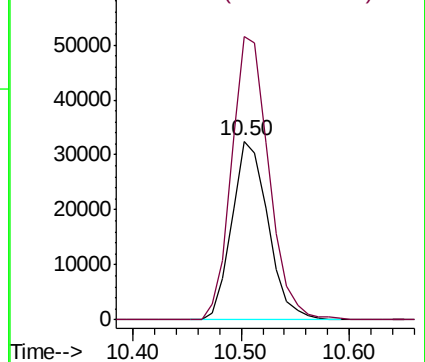
92 100

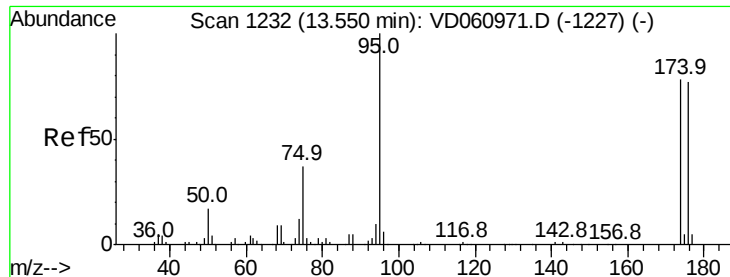
91 158.2 129.8 194.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD061064.D

Acq: 14 Mar 2019 14:58

Instrument :

MSVOA_D

ClientSampleId :

SP-2RE

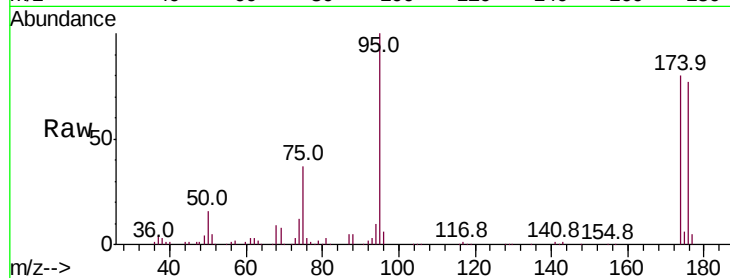
Tot Ion: 95 Resp: 332758

Ion Ratio Lower Upper

95 100

174 79.5 0.0 155.6

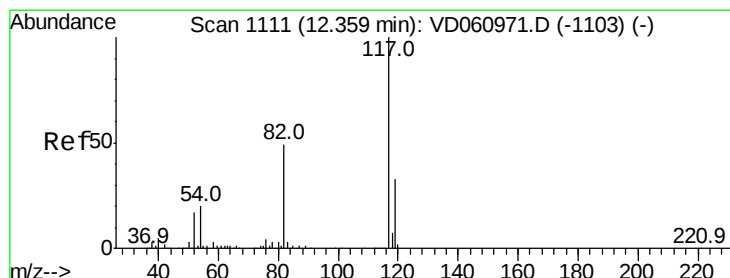
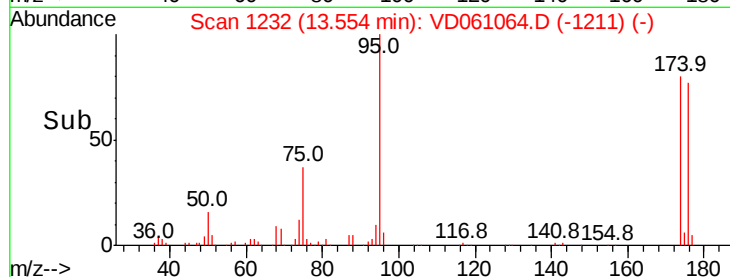
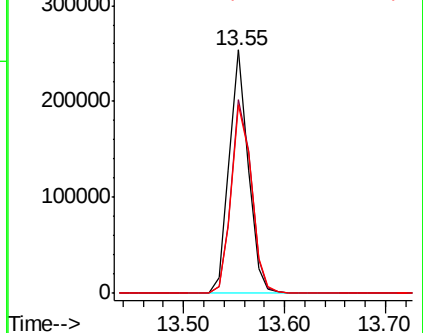
176 77.5 0.0 153.8



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: 12.36 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD061064.D

Acq: 14 Mar 2019 14:58

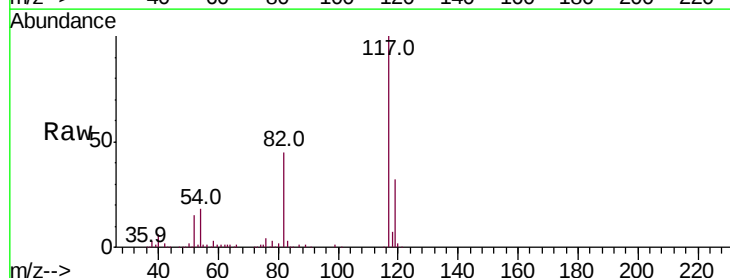
Tgt Ion: 117 Resp: 867922

Ion Ratio Lower Upper

117 100

82 45.5 38.9 58.3

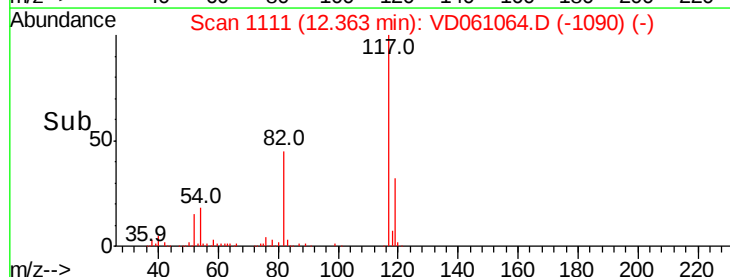
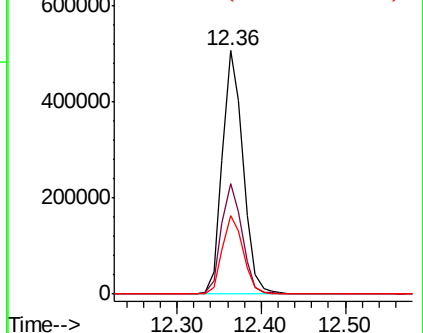
119 32.1 26.6 39.8

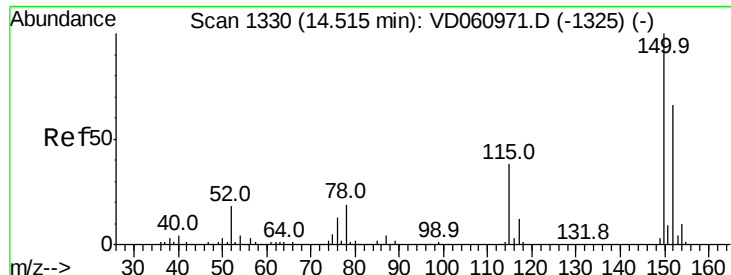


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

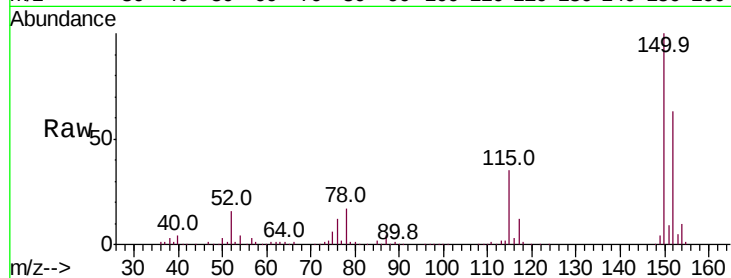




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.52 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VD061064.D
 Acq: 14 Mar 2019 14:58

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-2RE

Tot Ion	Ratio	Lower	Upper
152	100		
115	54.5	28.6	85.9
150	158.0	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

