

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030519\
 Data File : VD060946.D
 Acq On : 5 Mar 2019 14:02
 Operator : VA/AP
 Sample : K1714-02RE
 Misc : 5.97g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-A-2-5RE

Quant Time: Mar 06 04:07:21 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	7.06	168	725311	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	1211322	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	1008342	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	441916	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	216482	36.10	ug/l	0.02
Spiked Amount			Recovery	=	72.20%	
35) Dibromofluoromethane	6.93	113	366963	37.79	ug/l	0.02
Spiked Amount			Recovery	=	75.58%	
50) Toluene-d8	10.42	98	858786	35.54	ug/l	0.02
Spiked Amount			Recovery	=	71.08%	
62) 4-Bromofluorobenzene	13.56	95	341742	37.42	ug/l	0.00
Spiked Amount			Recovery	=	74.84%	

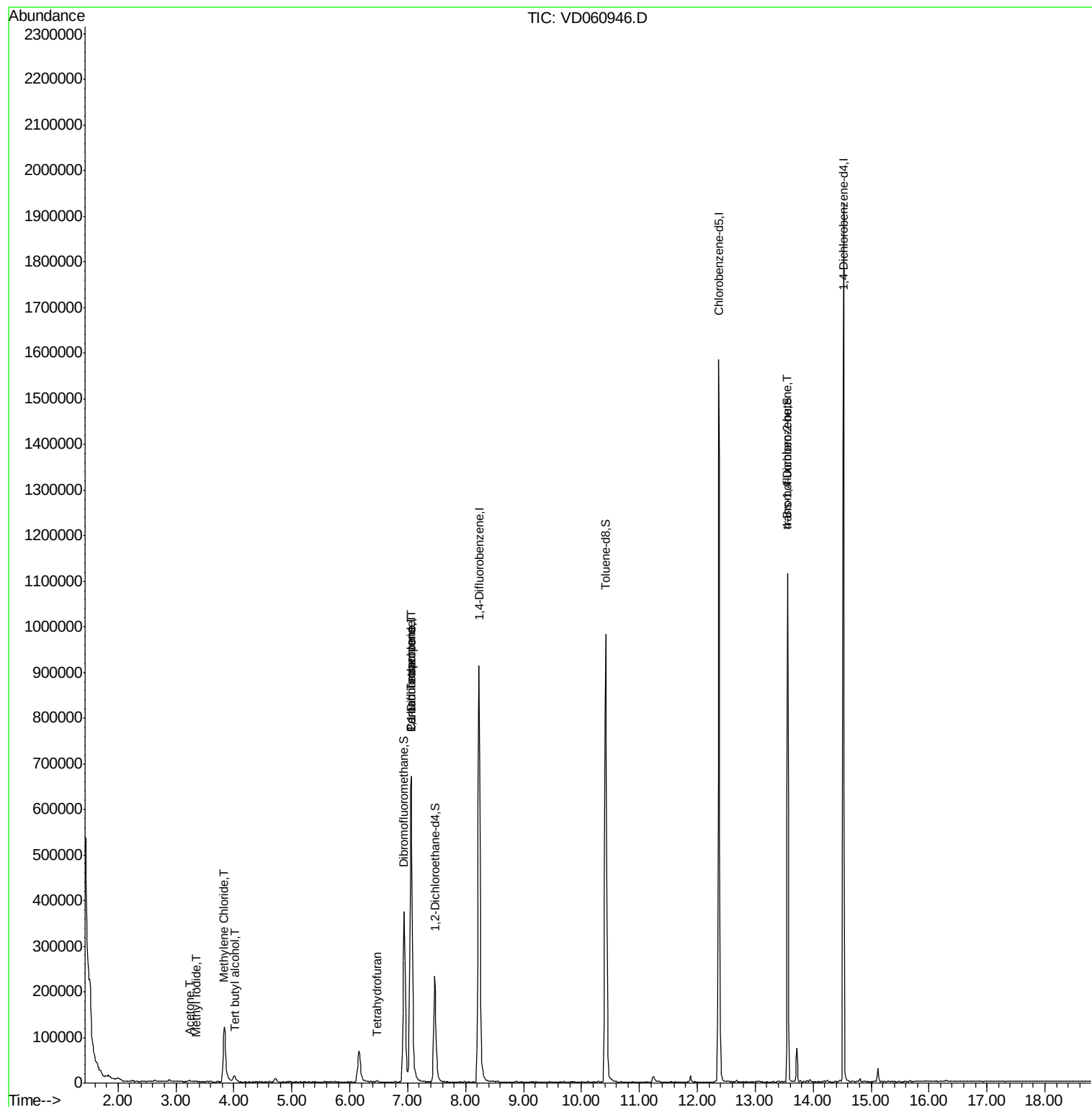
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.35	142	1743	4.855	ug/l #	40
11) Tert butyl alcohol	4.01	59	13105	29.325	ug/l #	77
16) Acetone	3.23	43	7177	3.585	ug/l	95
20) Methylene Chloride	3.83	84	92974	6.636	ug/l	97
29) Tetrahydrofuran	6.46	42	1864	1.458	ug/l #	66
36) 1,1-Dichloropropene	7.06	75	53453	4.799	ug/l #	45
38) Carbon Tetrachloride	7.06	117	69020	5.768	ug/l #	15
81) trans-1,4-Dichloro-2-buten	13.56	75	123328	58.198	ug/l #	20
89) n-Butylbenzene	14.80	91	3441	Below Cal		84

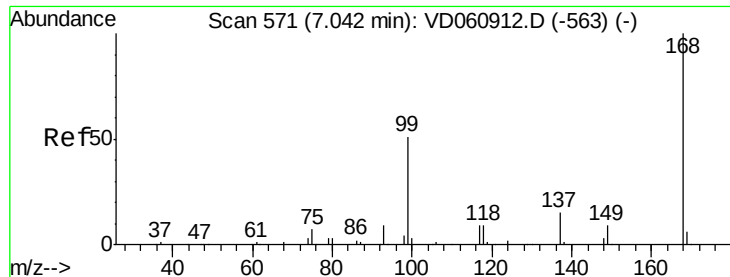
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.02 min

Lab File: VD060946.D

Acq: 5 Mar 2019 14:02

Instrument :

MSVOA_D

ClientSampleId :

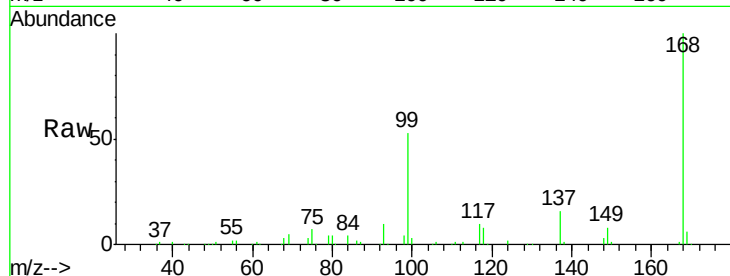
SB-A-2-5RE

Tot Ion:168 Resp: 725311

Ion Ratio Lower Upper

168 100

99 53.1 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.06

250000

200000

150000

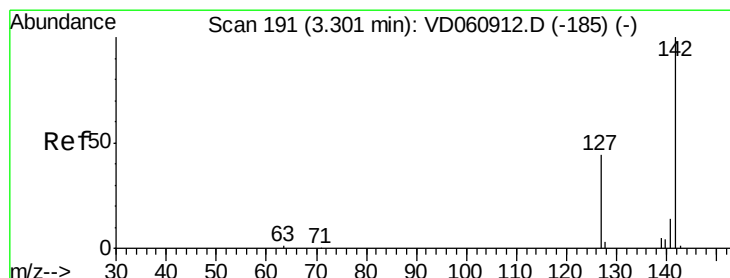
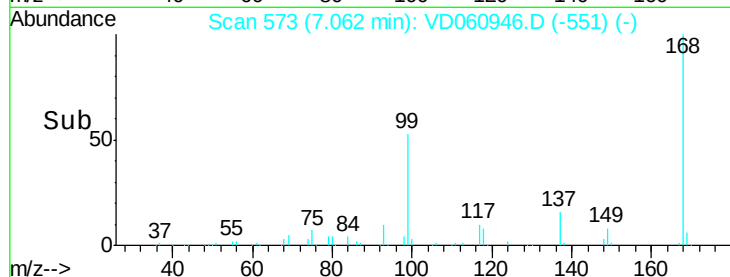
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#10

Methyl Iodide

Concen: 4.855 ug/l

RT: 3.35 min Scan# 196

Delta R.T. 0.05 min

Lab File: VD060946.D

Acq: 5 Mar 2019 14:02

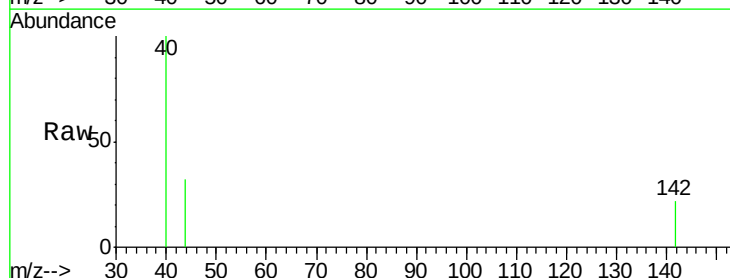
Tgt Ion:142 Resp: 1743

Ion Ratio Lower Upper

142 100

127 0.0 35.0 52.6#

141 0.0 11.0 16.4#



Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

800

600

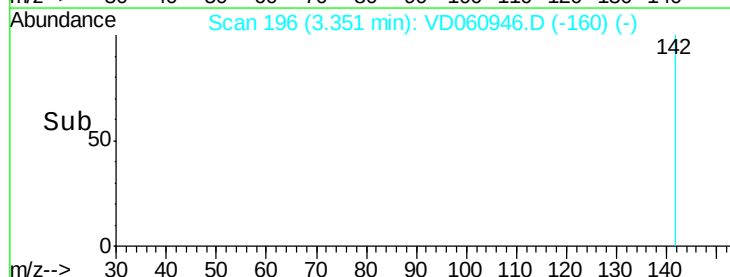
400

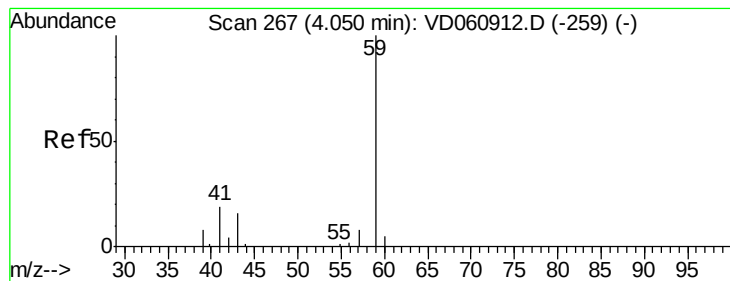
200

0

Time-->

3.30 3.35 3.40





#11

Tert butyl alcohol

Concen: 29.325 ug/l

RT: 4.01 min Scan# 263

Delta R.T. -0.04 min

Lab File: VD060946.D

Acq: 5 Mar 2019 14:02

Instrument :

MSVOA_D

ClientSampleId :

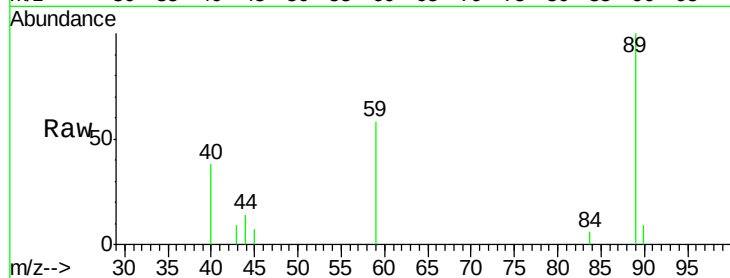
SB-A-2-5RE

Tot Ion: 59 Resp: 13105

Ion Ratio Lower Upper

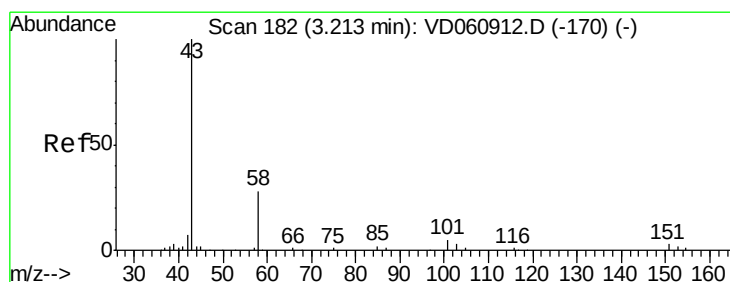
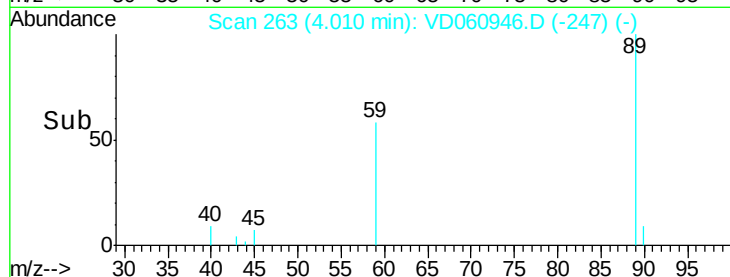
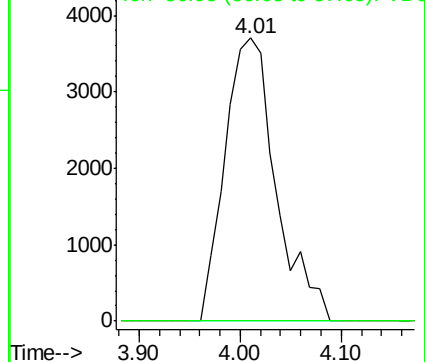
59 100

57 0.0 6.5 9.7#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



#16

Acetone

Concen: 3.585 ug/l

RT: 3.23 min Scan# 184

Delta R.T. 0.02 min

Lab File: VD060946.D

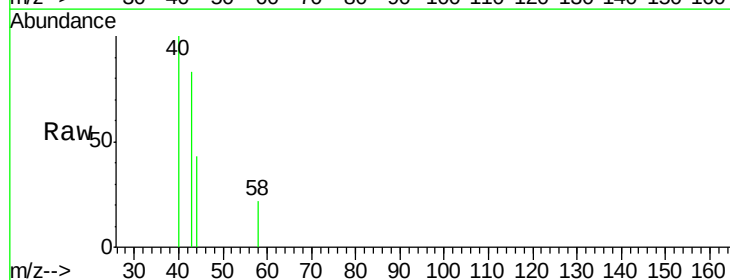
Acq: 5 Mar 2019 14:02

Tgt Ion: 43 Resp: 7177

Ion Ratio Lower Upper

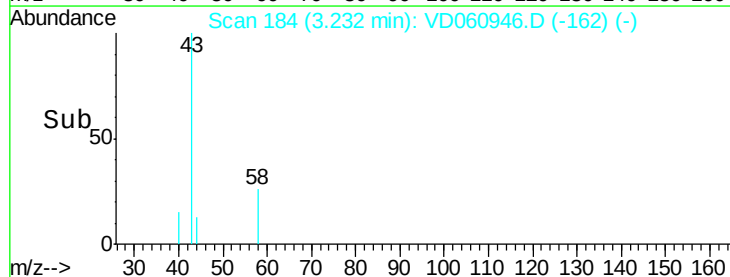
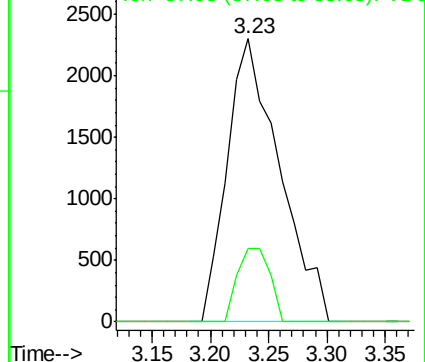
43 100

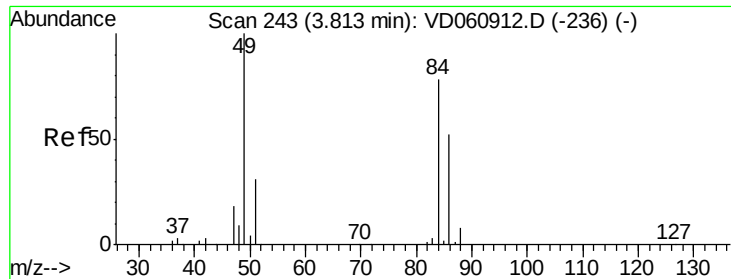
58 25.9 22.8 34.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

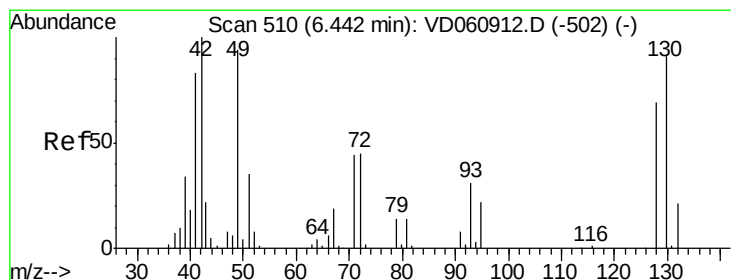
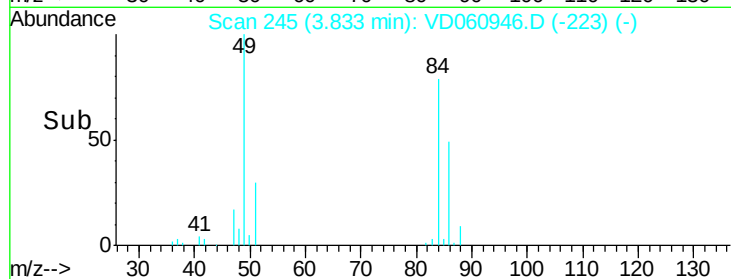
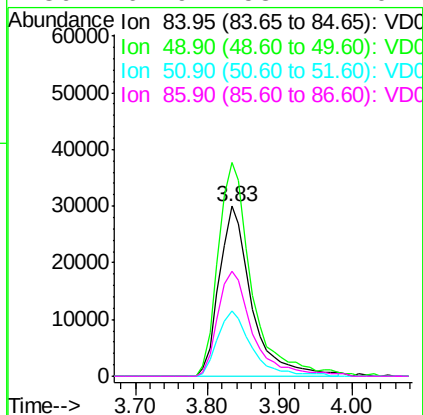
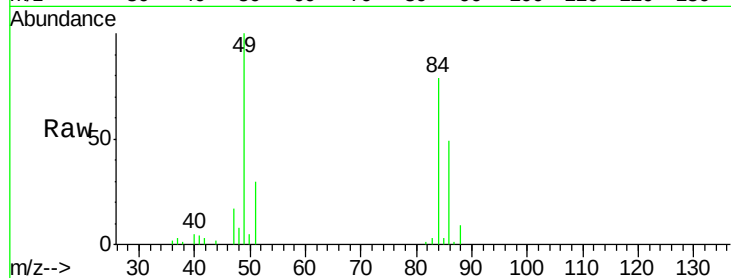




#20
Methylene Chloride
Concen: 6.636 ug/l
RT: 3.83 min Scan# 245
Delta R.T. 0.02 min
Lab File: VD060946.D
Acq: 5 Mar 2019 14:02

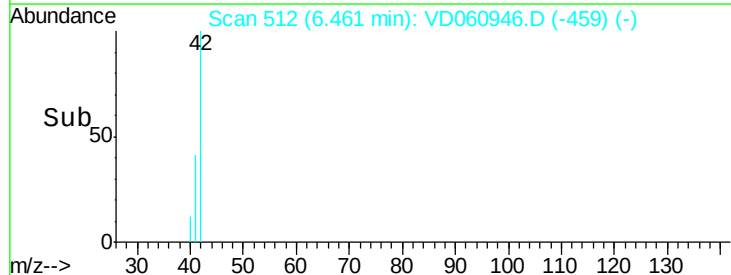
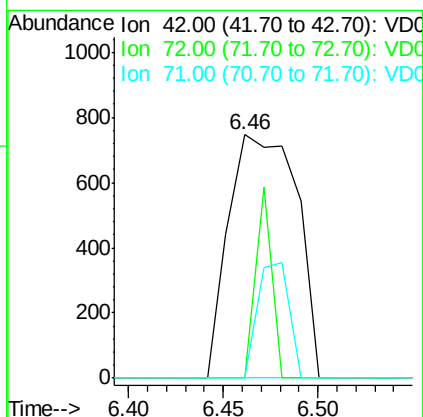
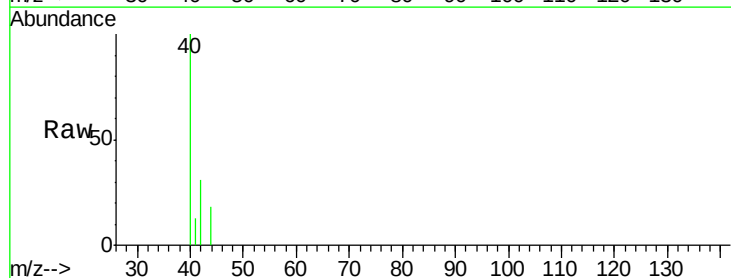
Instrument :
MSVOA_D
ClientSampleId :
SB-A-2-5RE

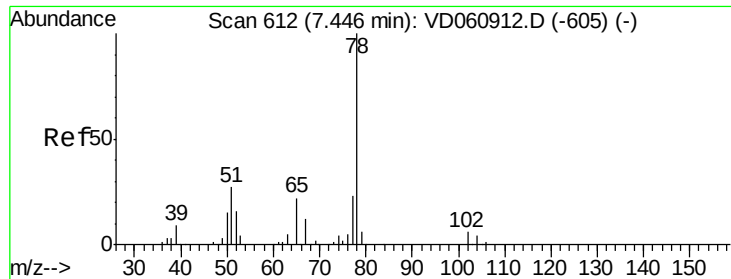
Tot Ion:	84	Resp:	92974
Ion	Ratio	Lower	Upper
84	100		
49	125.8	102.4	153.6
51	38.2	31.9	47.9
86	61.9	53.1	79.7



#29
Tetrahydrofuran
Concen: 1.458 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.02 min
Lab File: VD060946.D
Acq: 5 Mar 2019 14:02

Tgt Ion:	42	Resp:	1864
Ion	Ratio	Lower	Upper
42	100		
72	18.6	33.8	50.6#
71	22.0	33.5	50.3#

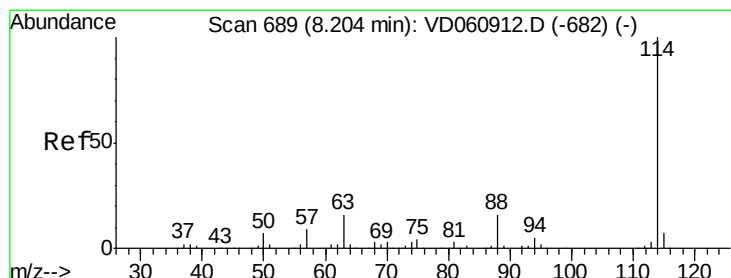
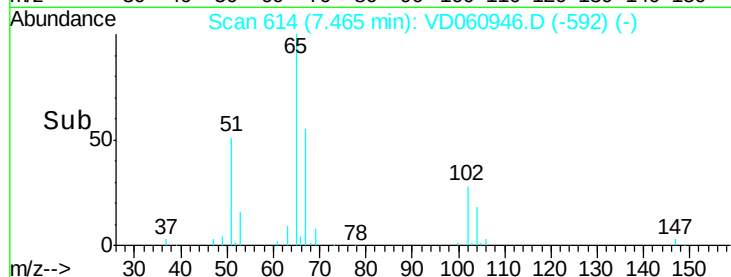
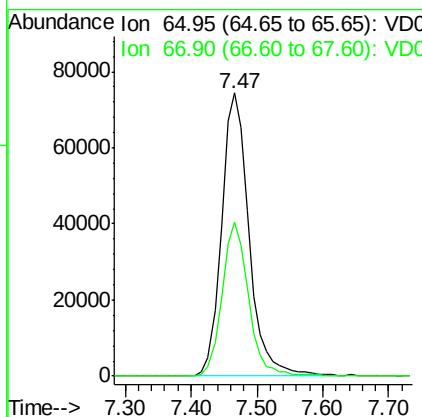
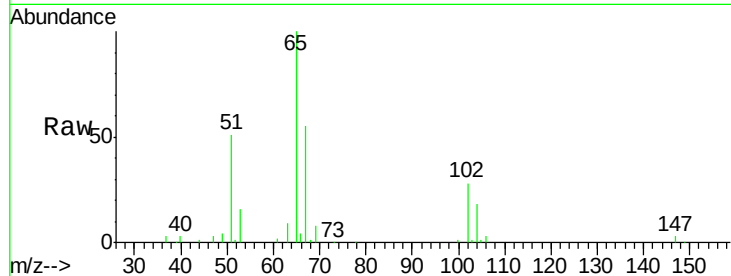




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.47 min Scan# 614
 Delta R.T. 0.02 min
 Lab File: VD060946.D
 Acq: 5 Mar 2019 14:02

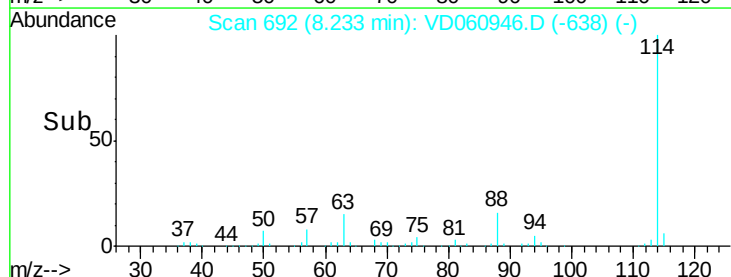
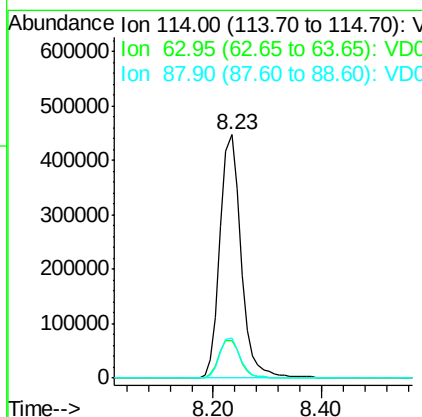
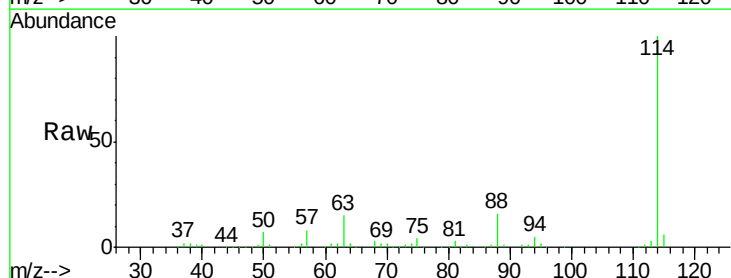
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-A-2-5RE

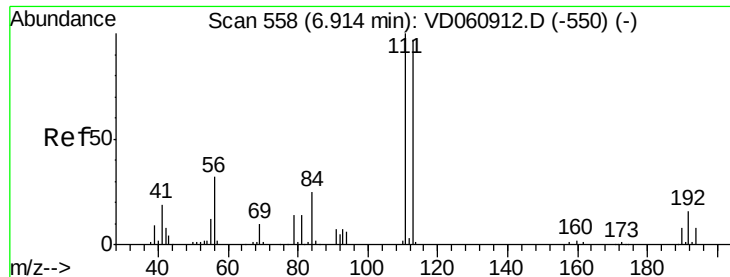
Tot Ion: 65 Resp: 216482
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 692
 Delta R.T. 0.03 min
 Lab File: VD060946.D
 Acq: 5 Mar 2019 14:02

Tgt Ion: 114 Resp: 1211322
 Ion Ratio Lower Upper
 114 100
 63 15.4 0.0 32.0
 88 16.3 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 560

Delta R.T. 0.02 min

Lab File: VD060946.D

Acq: 5 Mar 2019 14:02

Instrument :

MSVOA_D

ClientSampleId :

SB-A-2-5RE

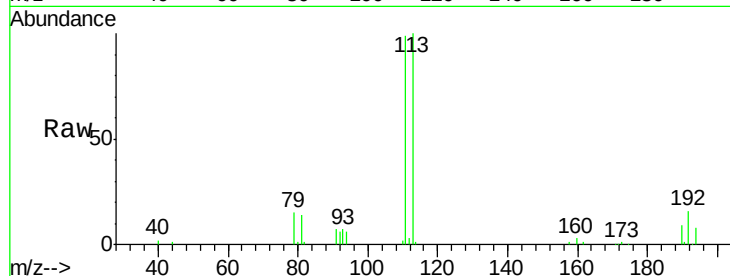
Tot Ion:113 Resp: 366963

Ion Ratio Lower Upper

113 100

111 99.3 82.6 124.0

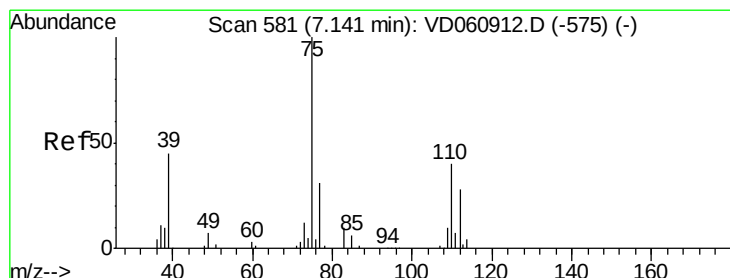
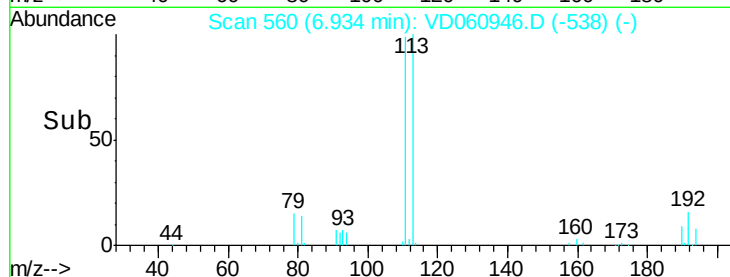
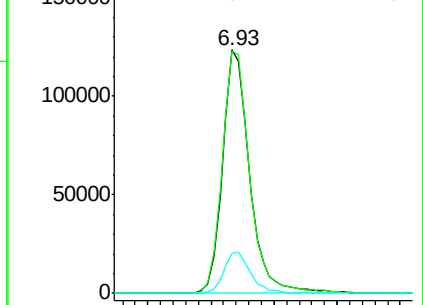
192 16.4 13.4 20.2



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



#36

1,1-Dichloropropene

Concen: 4.799 ug/l

RT: 7.06 min Scan# 573

Delta R.T. -0.08 min

Lab File: VD060946.D

Acq: 5 Mar 2019 14:02

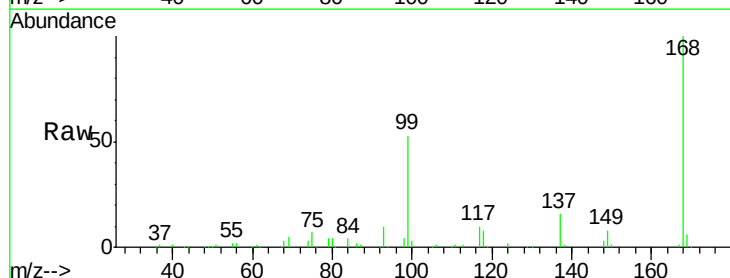
Tgt Ion: 75 Resp: 53453

Ion Ratio Lower Upper

75 100

110 6.9 19.9 59.7#

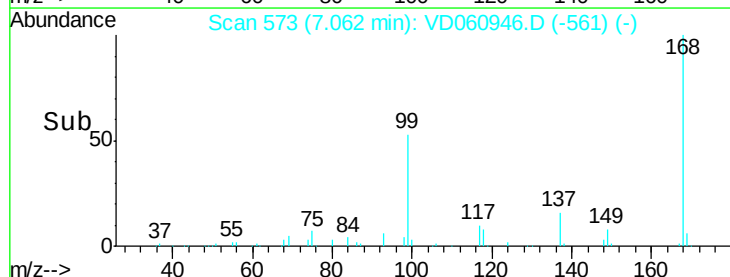
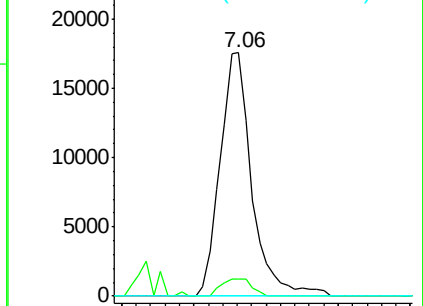
77 0.0 25.0 37.6#

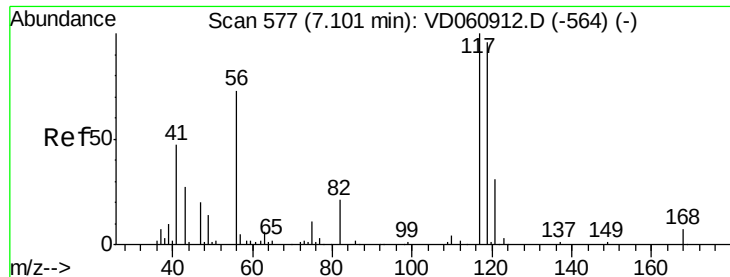


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC





#38

Carbon Tetrachloride

Concen: 5.768 ug/l

RT: 7.06 min Scan# 573

Delta R.T. -0.04 min

Lab File: VD060946.D

Acq: 5 Mar 2019 14:02

Instrument :

MSVOA_D

ClientSampleId :

SB-A-2-5RE

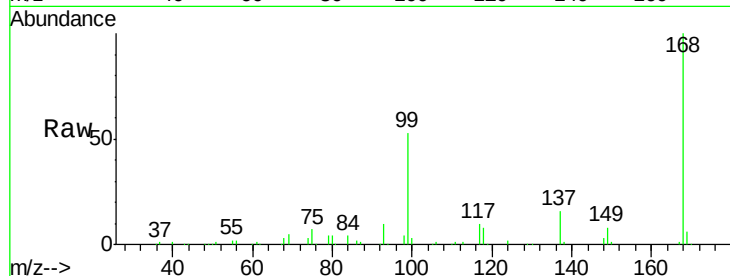
Tot Ion:117 Resp: 69020

Ion Ratio Lower Upper

117 100

119 4.5 76.9 115.3#

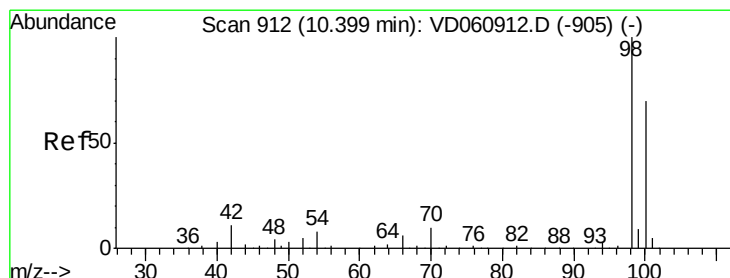
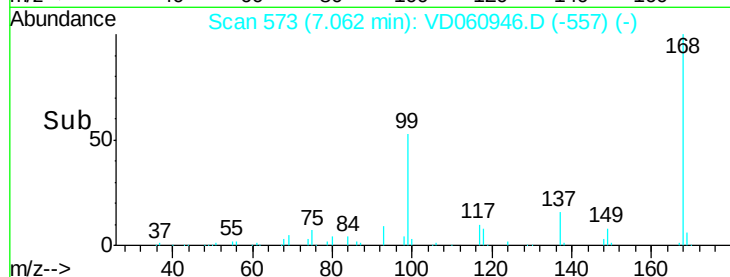
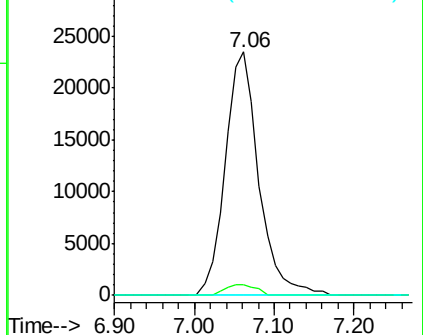
121 0.0 24.5 36.7#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.02 min

Lab File: VD060946.D

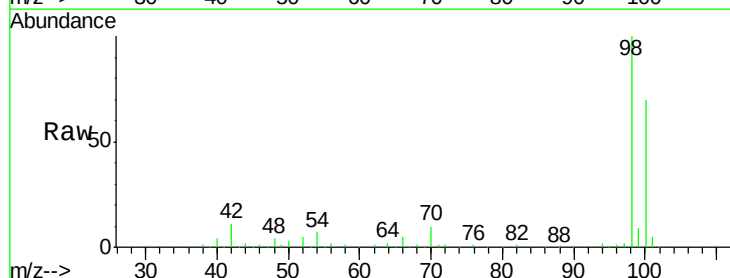
Acq: 5 Mar 2019 14:02

Tgt Ion: 98 Resp: 858786

Ion Ratio Lower Upper

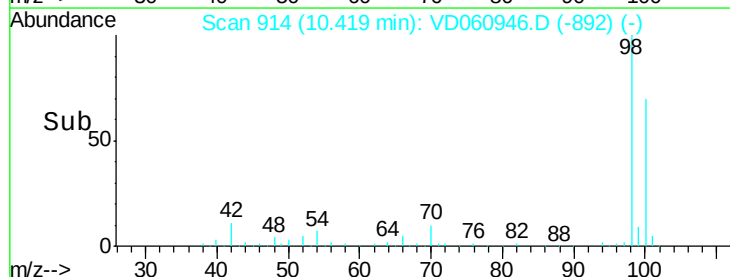
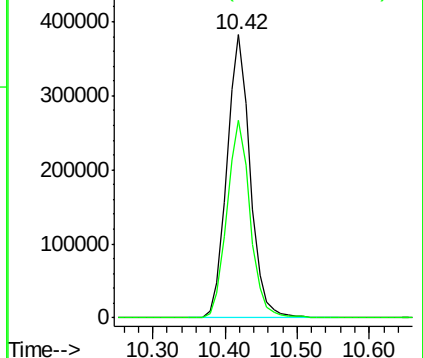
98 100

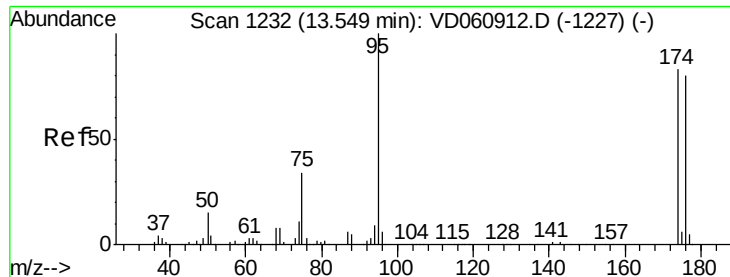
100 69.7 57.0 85.4



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD060946.D

Acq: 5 Mar 2019 14:02

Instrument :

MSVOA_D

ClientSampleId :

SB-A-2-5RE

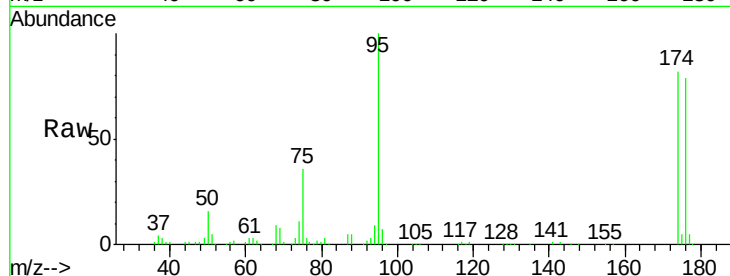
Tot Ion: 95 Resp: 341742

Ion Ratio Lower Upper

95 100

174 81.6 0.0 165.6

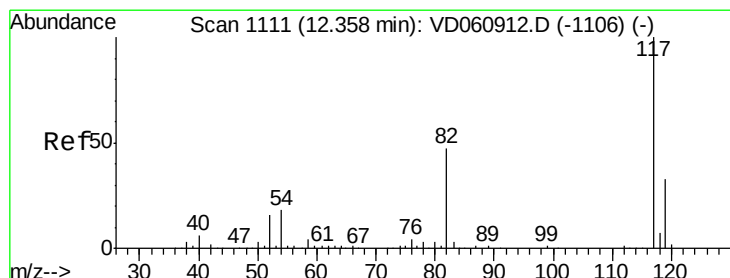
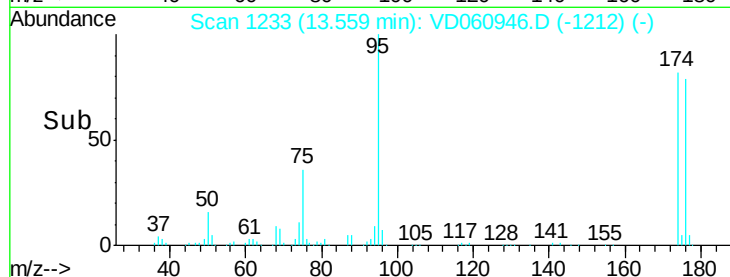
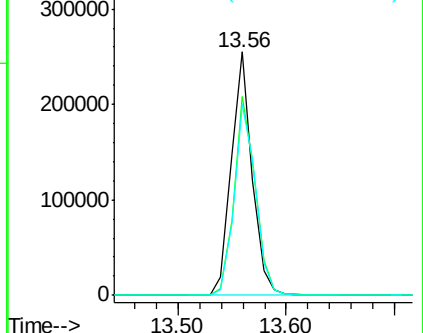
176 78.7 0.0 160.6



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: 12.37 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD060946.D

Acq: 5 Mar 2019 14:02

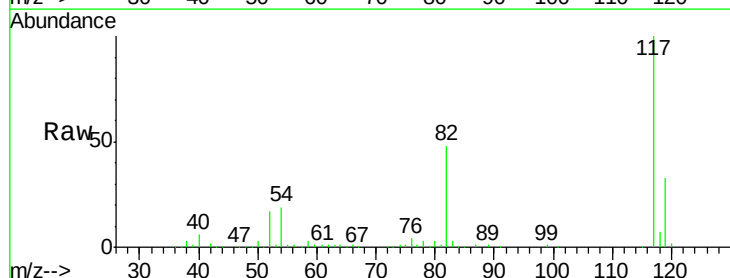
Tgt Ion: 117 Resp: 1008342

Ion Ratio Lower Upper

117 100

82 48.4 37.5 56.3

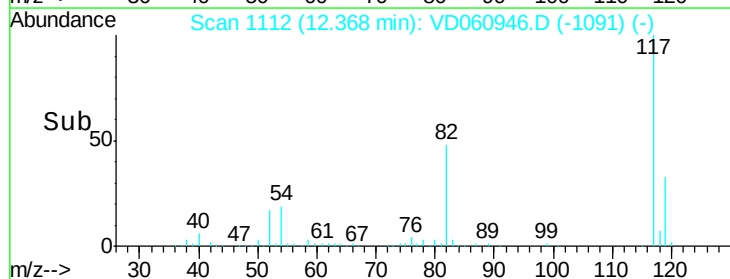
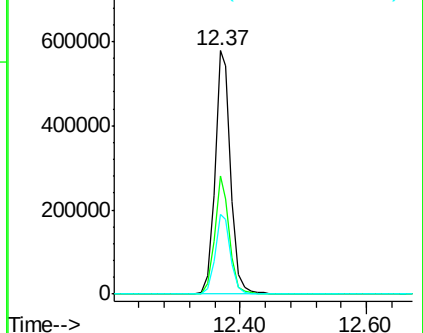
119 32.7 26.2 39.2

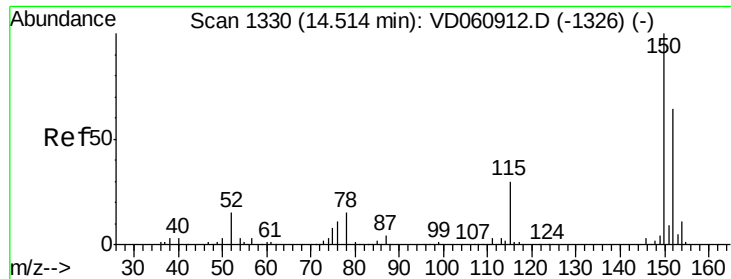


Abundance Ion 116.95 (116.65 to 117.65): V

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# 1331

Delta R.T. 0.01 min

Lab File: VD060946.D

Acq: 5 Mar 2019 14:02

Instrument :

MSVOA_D

ClientSampleId :

SB-A-2-5RE

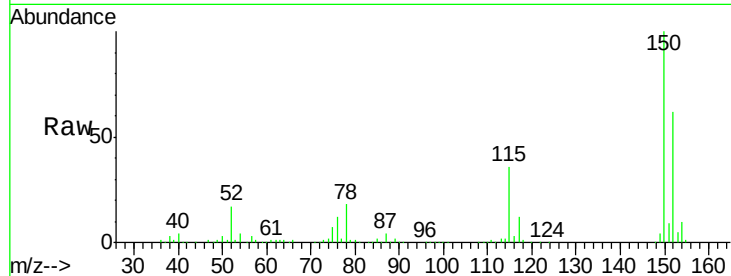
Tot Ion:152 Resp: 441916

Ion Ratio Lower Upper

152 100

115 57.2 27.6 82.8

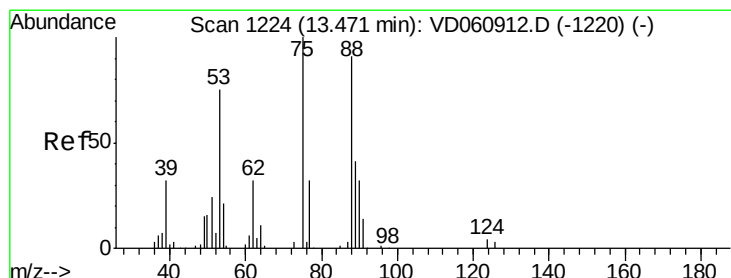
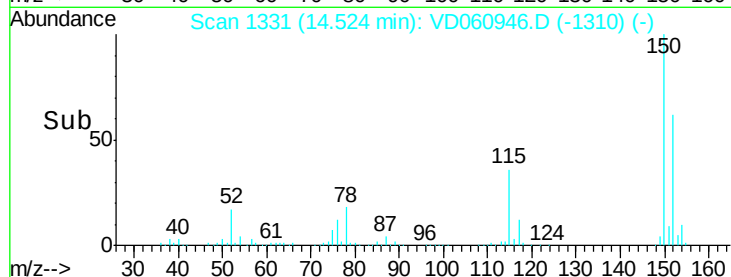
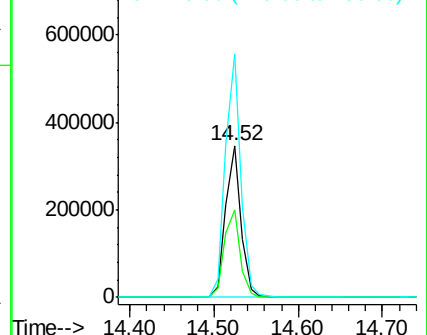
150 160.4 0.0 312.8



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



#81

trans-1,4-Dichloro-2-butene

Concen: 58.198 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD060946.D

Acq: 5 Mar 2019 14:02

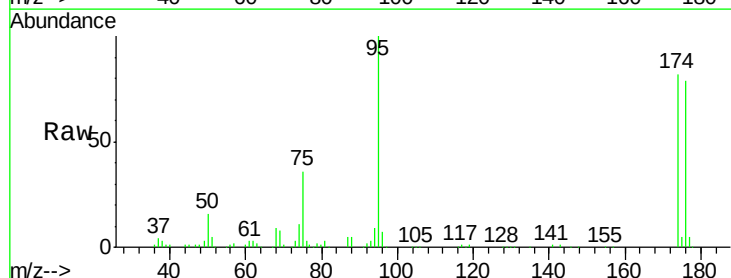
Tgt Ion: 75 Resp: 123328

Ion Ratio Lower Upper

75 100

53 0.0 59.8 89.6#

89 0.0 33.0 49.6#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

