

Data File : VD060966.D
Acq On : 6 Mar 2019 15:38
Operator : VA/AP
Sample : K1714-18RE
Misc : 5.92g/5ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SB-D-5-8RE

Quant Time: Mar 07 05:50:38 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	7.05	168	701234	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1199872	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.36	117	1026108	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	460368	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	224279	38.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.38%	
35) Dibromofluoromethane	6.93	113	369280	38.39	ug/l	0.01
Spiked Amount	50.000		Recovery	=	76.78%	
50) Toluene-d8	10.40	98	788772	32.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	65.90%	
62) 4-Bromofluorobenzene	13.55	95	332327	36.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.48%	

Target Compounds

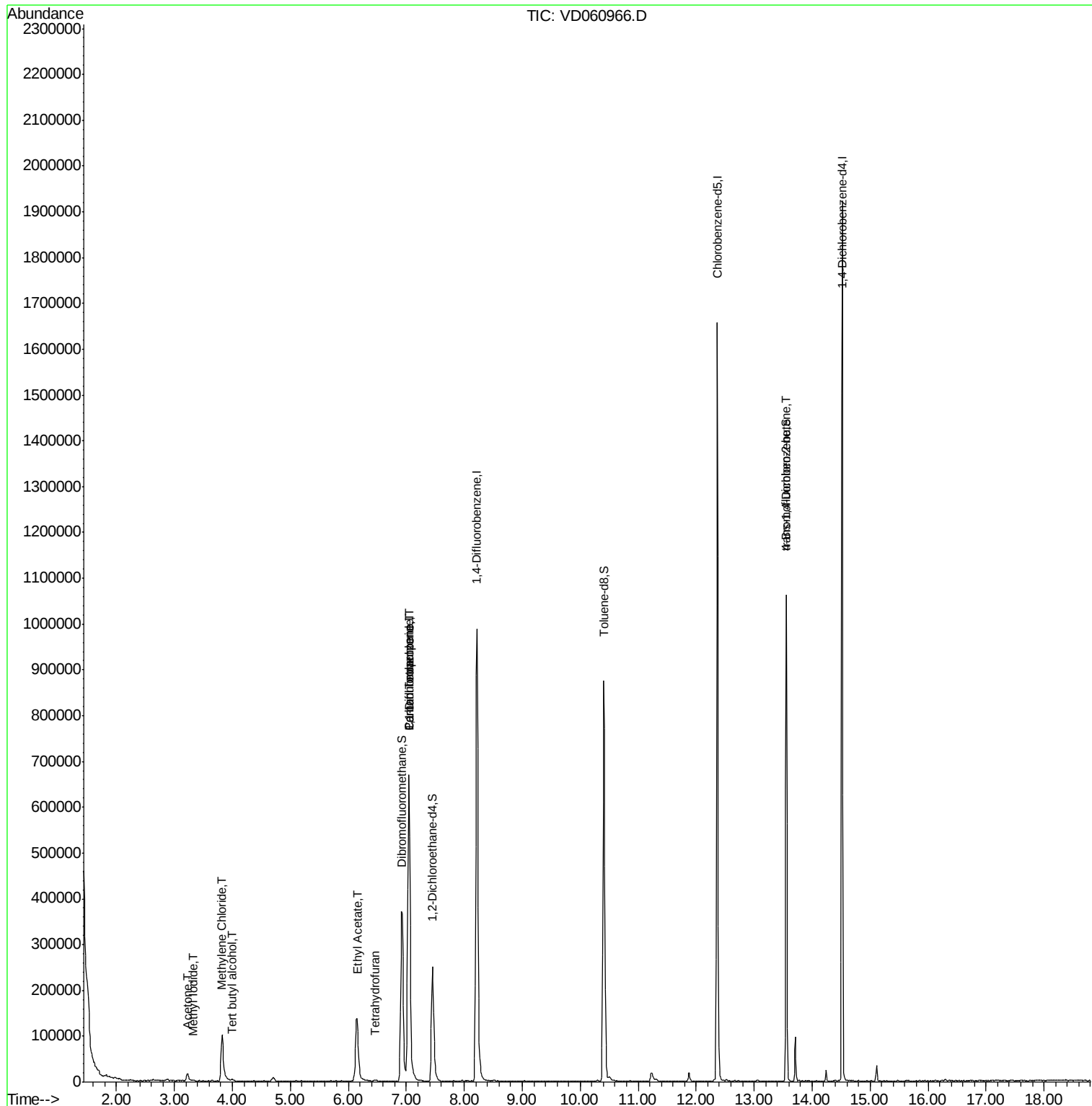
						Qvalue
10) Methyl Iodide	3.33	142	682	4.788	ug/l #	40
11) Tert butyl alcohol	4.00	59	2903	6.719	ug/l #	77
16) Acetone	3.22	43	34697	17.926	ug/l	92
20) Methylene Chloride	3.83	84	81448	5.645	ug/l	98
29) Tetrahydrofuran	6.46	42	2250	1.821	ug/l #	47
36) 1,1-Dichloropropene	7.05	75	51987	4.712	ug/l #	46
37) Ethyl Acetate	6.15	43	8167	1.440	ug/l #	3
38) Carbon Tetrachloride	7.05	117	65299	5.509	ug/l #	15
81) trans-1,4-Dichloro-2-buten	13.55	75	119456	54.112	ug/l #	20
89) n-Butylbenzene	14.79	91	918	Below Cal	#	82

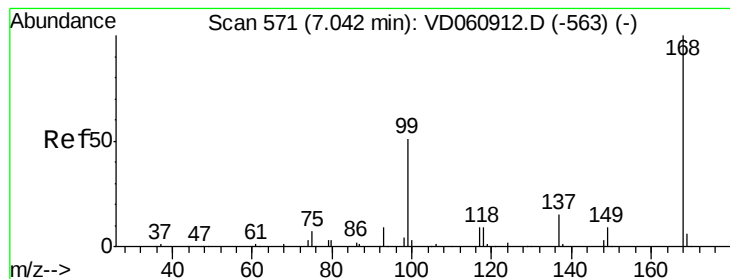
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.00 min

Lab File: VD060966.D

Acq: 6 Mar 2019 15:38

Instrument :

MSVOA_D

ClientSampleId :

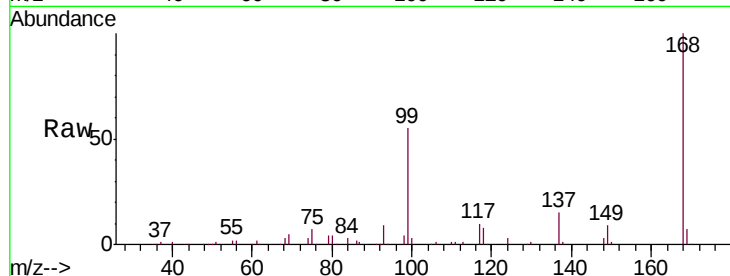
SB-D-5-8RE

Tgt Ion:168 Resp: 701234

Ion Ratio Lower Upper

168 100

99 54.9 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.05

250000

200000

150000

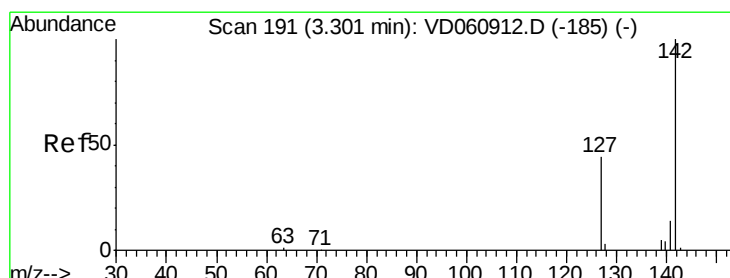
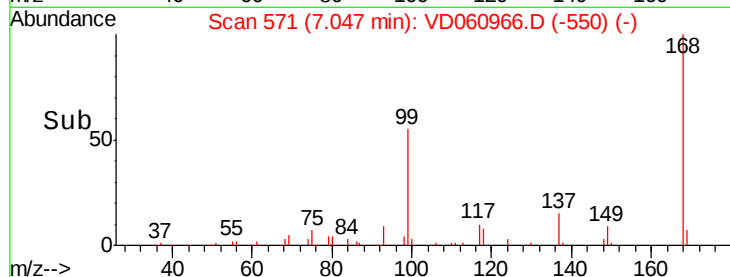
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#10

Methyl Iodide

Concen: 4.788 ug/l

RT: 3.33 min Scan# 193

Delta R.T. 0.02 min

Lab File: VD060966.D

Acq: 6 Mar 2019 15:38

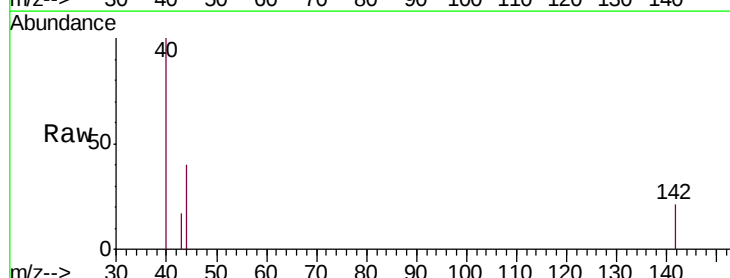
Tgt Ion:142 Resp: 682

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

3.33

600

500

400

300

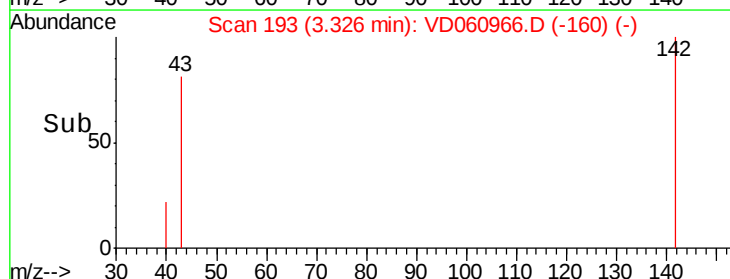
200

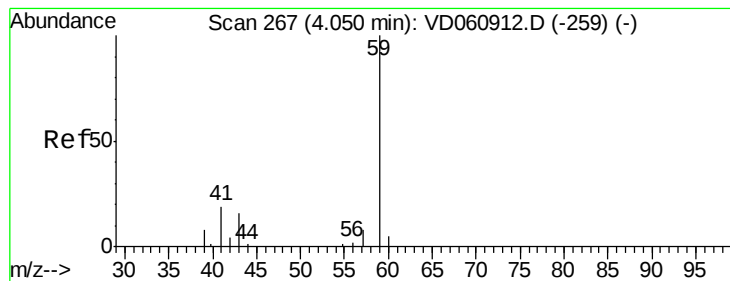
100

0

3.30 3.35

Time-->



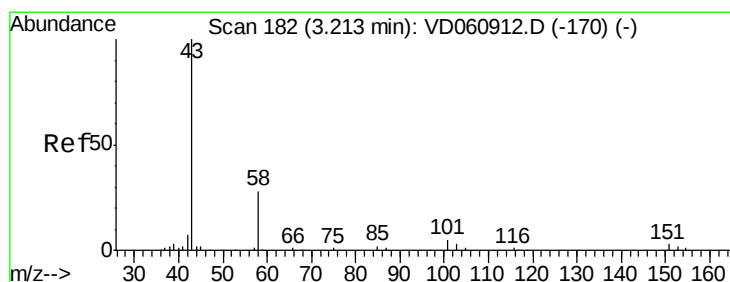
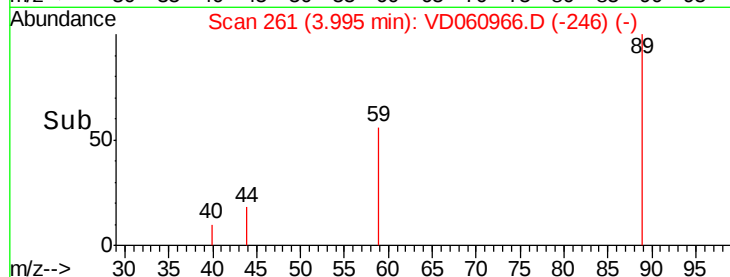
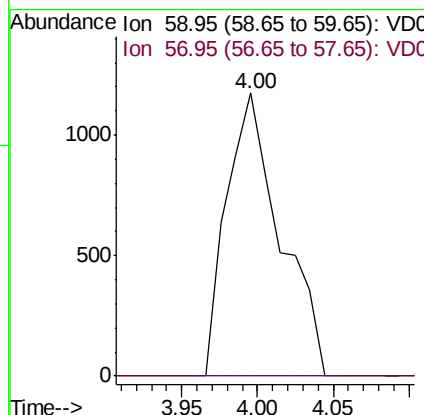
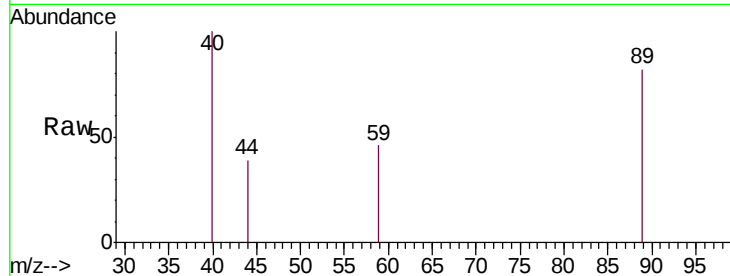


#11

Tert butyl alcohol
 Concen: 6.719 ug/l
 RT: 4.00 min Scan# 261
 Delta R.T. -0.05 min
 Lab File: VD060966.D
 Acq: 6 Mar 2019 15:38

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-D-5-8RE

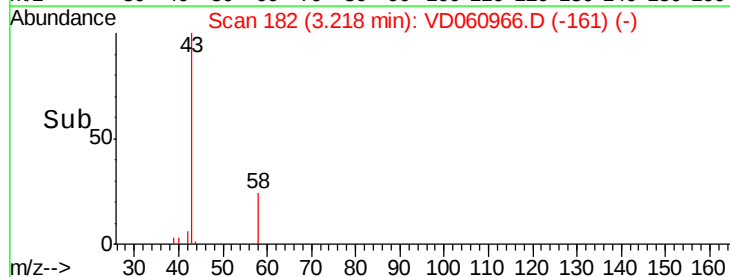
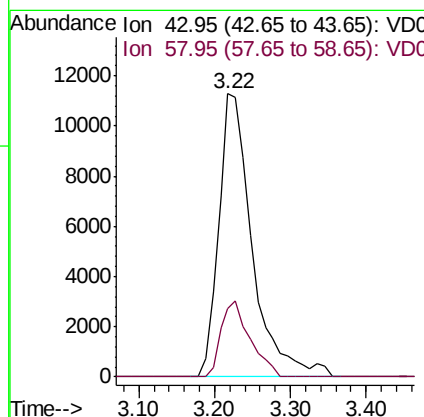
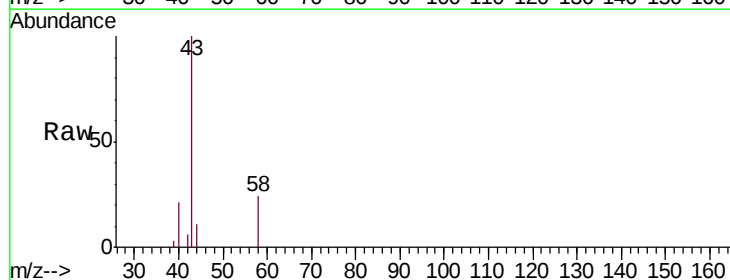
Tgt Ion: 59 Resp: 2903
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.5 9.7#

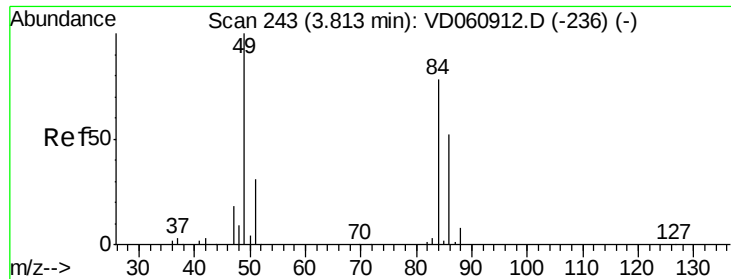


#16

Acetone
 Concen: 17.926 ug/l
 RT: 3.22 min Scan# 182
 Delta R.T. 0.00 min
 Lab File: VD060966.D
 Acq: 6 Mar 2019 15:38

Tgt Ion: 43 Resp: 34697
 Ion Ratio Lower Upper
 43 100
 58 24.2 22.8 34.2

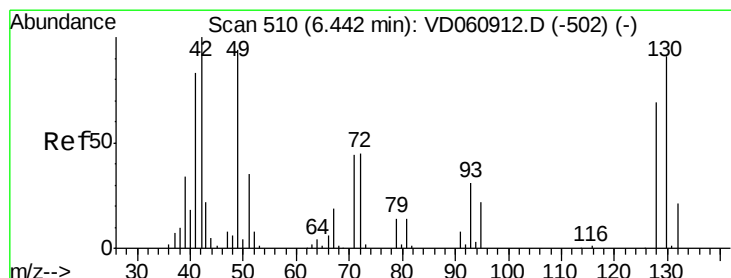
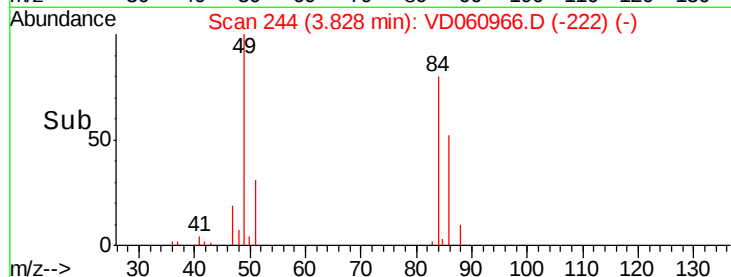
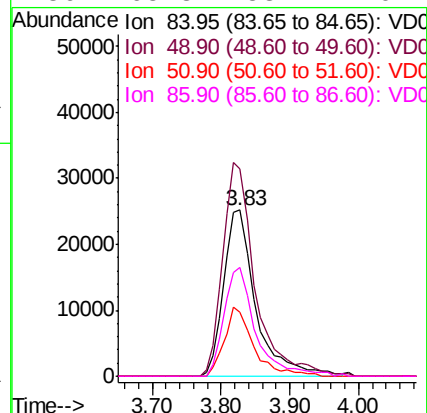
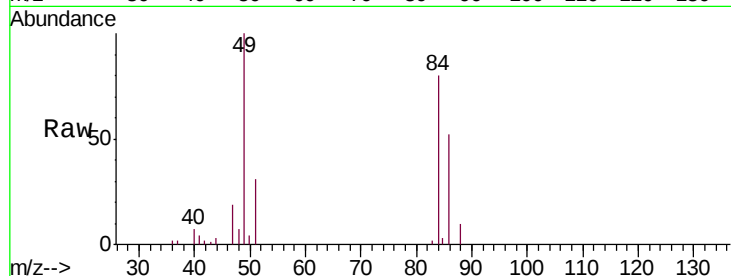




#20
Methylene Chloride
Concen: 5.645 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.01 min
Lab File: VD060966.D
Acq: 6 Mar 2019 15:38

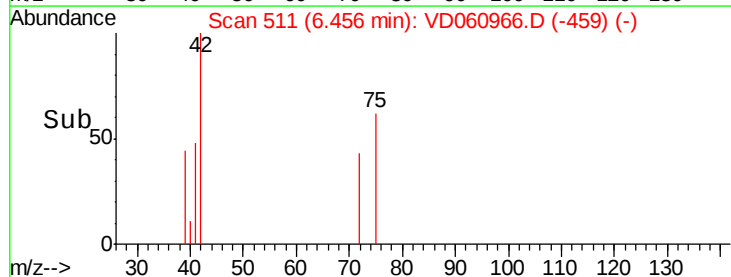
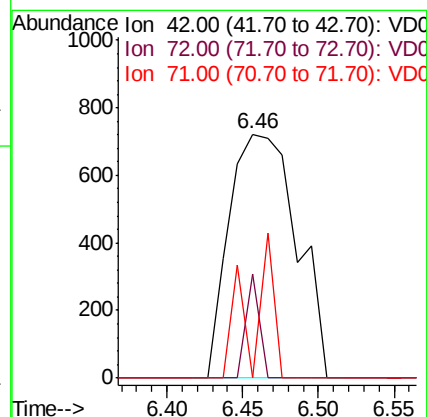
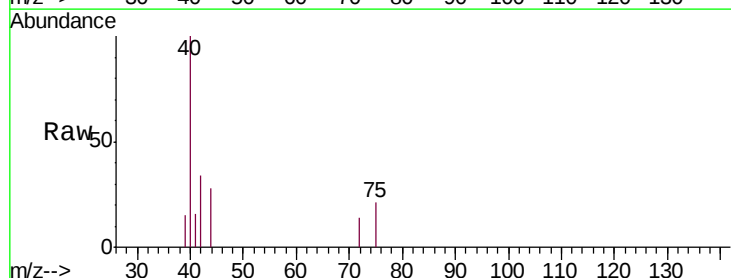
Instrument :
MSVOA_D
ClientSampleId :
SB-D-5-8RE

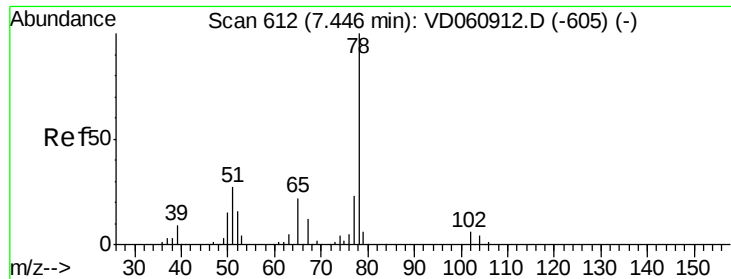
Tgt Ion: 84 Resp: 81448
Ion Ratio Lower Upper
84 100
49 124.8 102.4 153.6
51 38.5 31.9 47.9
86 65.3 53.1 79.7



#29
Tetrahydrofuran
Concen: 1.821 ug/l
RT: 6.46 min Scan# 511
Delta R.T. 0.01 min
Lab File: VD060966.D
Acq: 6 Mar 2019 15:38

Tgt Ion: 42 Resp: 2250
Ion Ratio Lower Upper
42 100
72 8.1 33.8 50.6#
71 8.8 33.5 50.3#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.00 min

Lab File: VD060966.D

Acq: 6 Mar 2019 15:38

Instrument :

MSVOA_D

ClientSampleId :

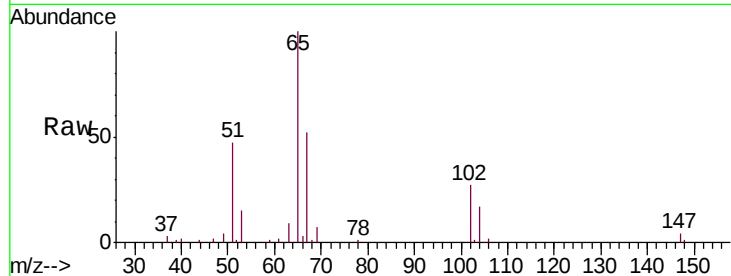
SB-D-5-8RE

Tgt Ion: 65 Resp: 224279

Ion Ratio Lower Upper

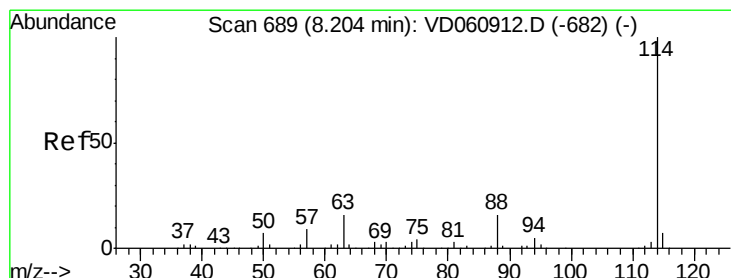
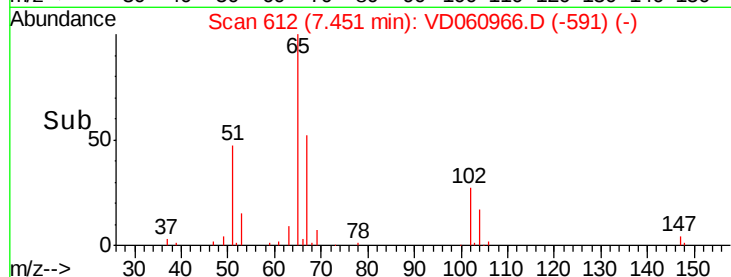
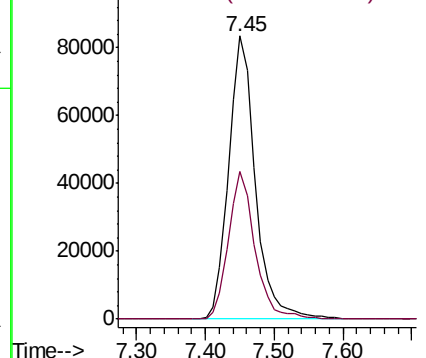
65 100

67 52.1 0.0 109.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. 0.01 min

Lab File: VD060966.D

Acq: 6 Mar 2019 15:38

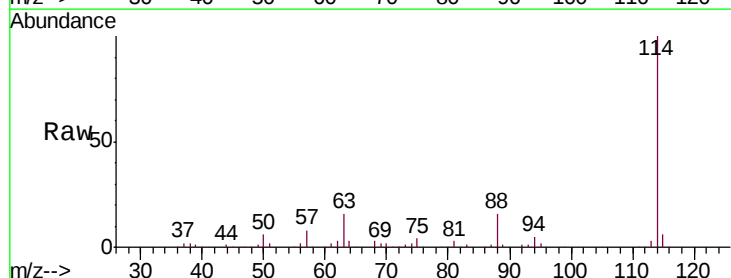
Tgt Ion: 114 Resp: 1199872

Ion Ratio Lower Upper

114 100

63 16.3 0.0 32.0

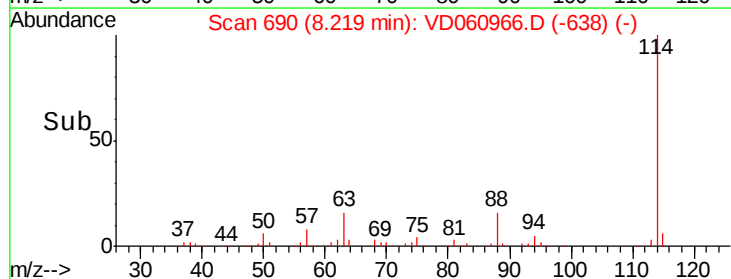
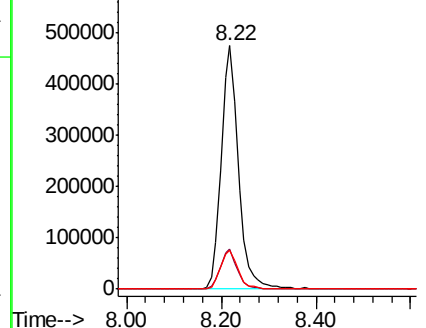
88 15.9 0.0 32.8

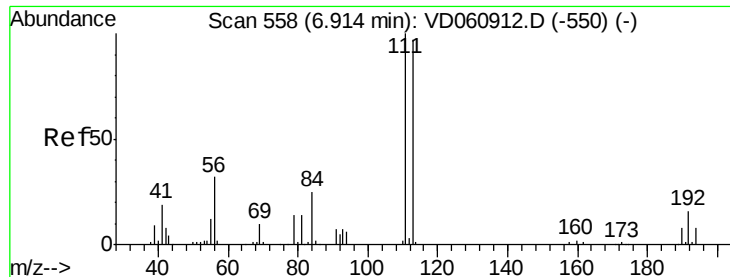


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.01 min

Lab File: VD060966.D

Acq: 6 Mar 2019 15:38

Instrument :

MSVOA_D

ClientSampleId :

SB-D-5-8RE

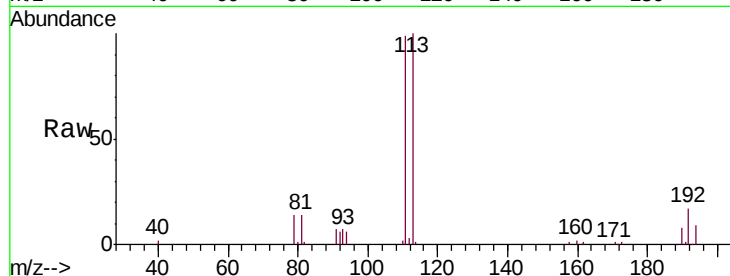
Tgt Ion:113 Resp: 369280

Ion Ratio Lower Upper

113 100

111 99.0 82.6 124.0

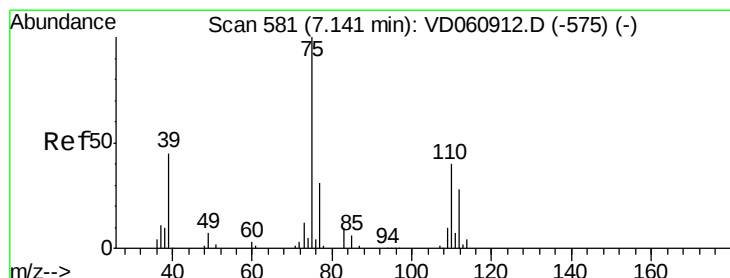
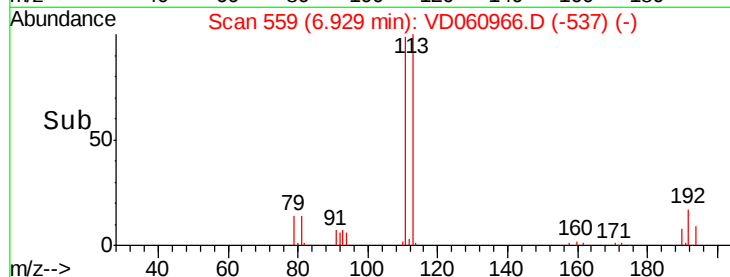
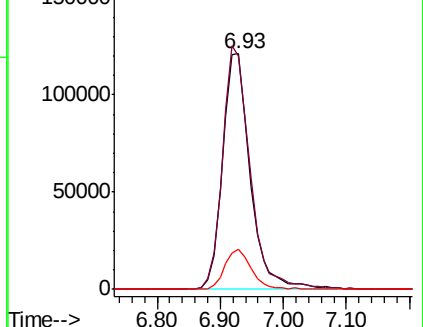
192 16.8 13.4 20.2



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: 4.712 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.09 min

Lab File: VD060966.D

Acq: 6 Mar 2019 15:38

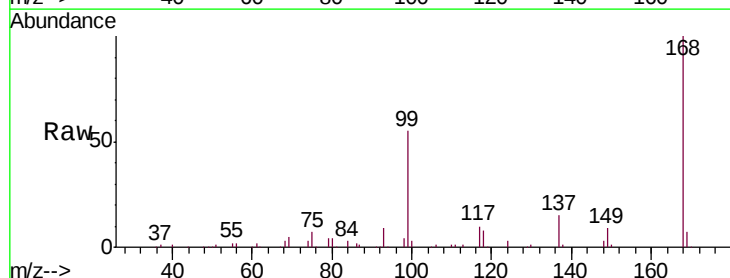
Tgt Ion: 75 Resp: 51987

Ion Ratio Lower Upper

75 100

110 8.3 19.9 59.7#

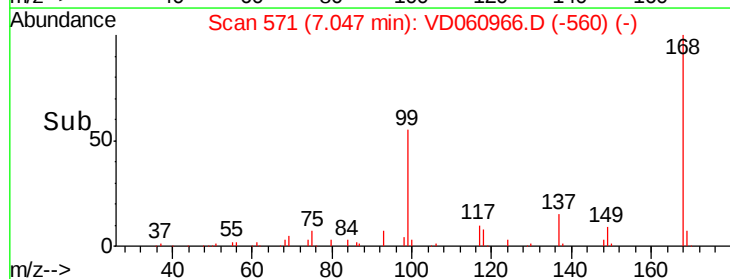
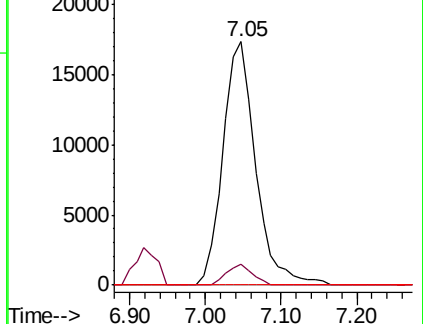
77 0.0 25.0 37.6#

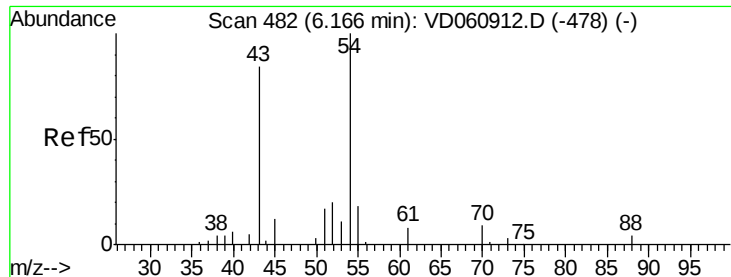


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 1.440 ug/l

RT: 6.15 min Scan# 480

Delta R.T. -0.01 min

Lab File: VD060966.D

Acq: 6 Mar 2019 15:38

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SB-D-5-8RE

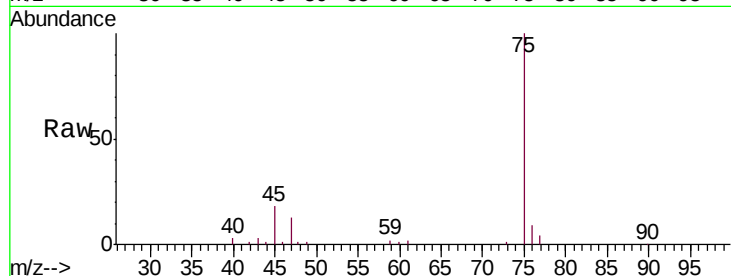
Tgt Ion: 43 Resp: 8167

Ion Ratio Lower Upper

43 100

61 73.5 12.1 18.1#

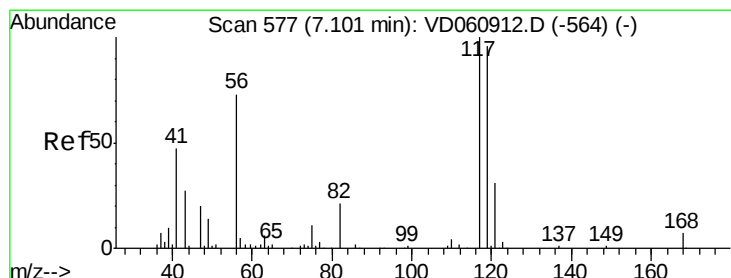
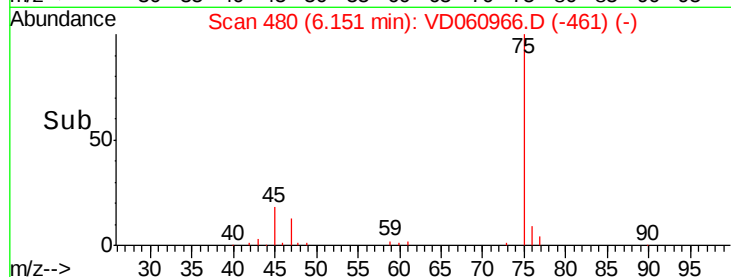
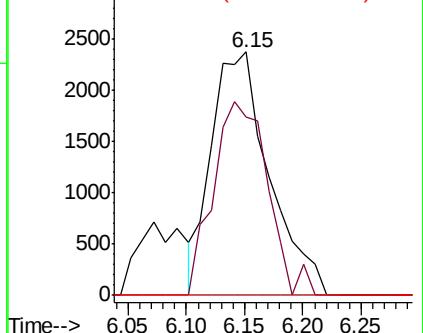
70 0.0 7.3 10.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 5.509 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.05 min

Lab File: VD060966.D

Acq: 6 Mar 2019 15:38

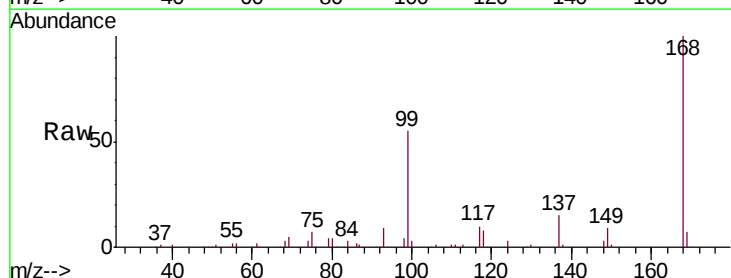
Tgt Ion: 117 Resp: 65299

Ion Ratio Lower Upper

117 100

119 3.4 76.9 115.3#

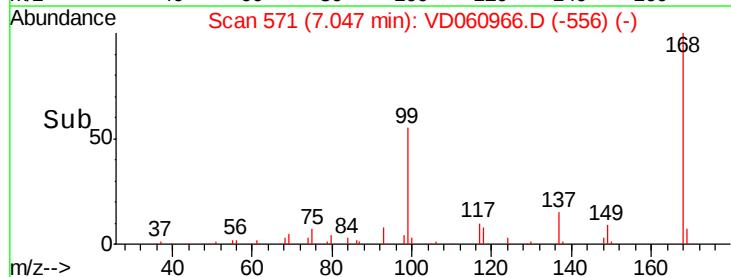
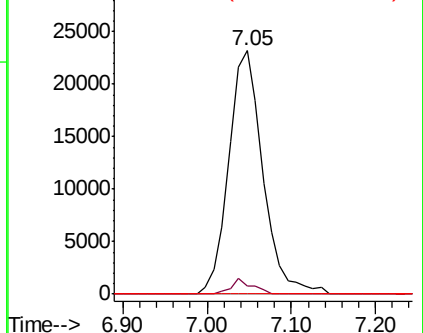
121 0.0 24.5 36.7#

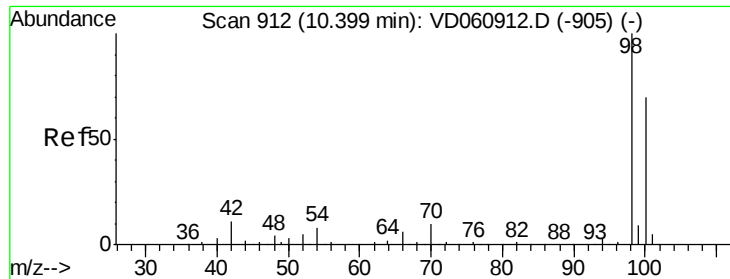


Abundance Ion 116.85 (116.55 to 117.55): V

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: 10.40 min Scan# 912

Delta R.T. 0.00 min

Lab File: VD060966.D

Acq: 6 Mar 2019 15:38

Instrument :

MSVOA_D

ClientSampleId :

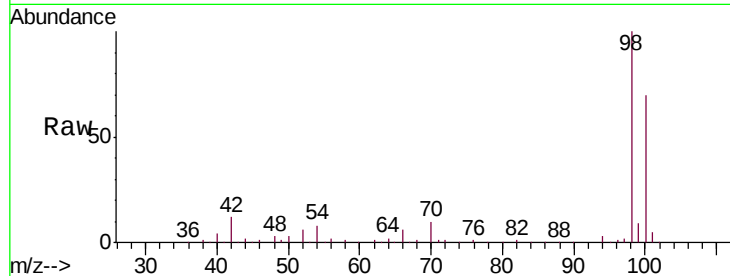
SB-D-5-8RE

Tgt Ion: 98 Resp: 788772

Ion Ratio Lower Upper

98 100

100 70.3 57.0 85.4



Abundance Ion 98.05 (97.75 to 98.75): VD060912.D (-905) (-)

Ion 100.05 (99.75 to 100.75): VD060912.D (-905) (-)

10.40

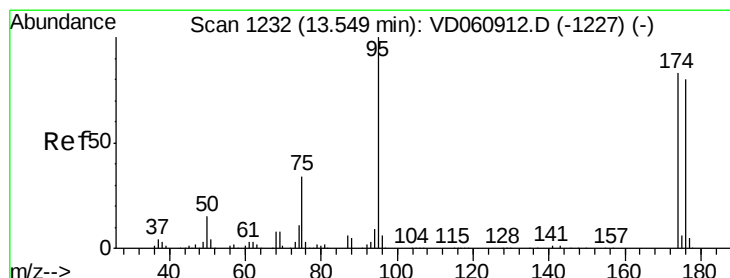
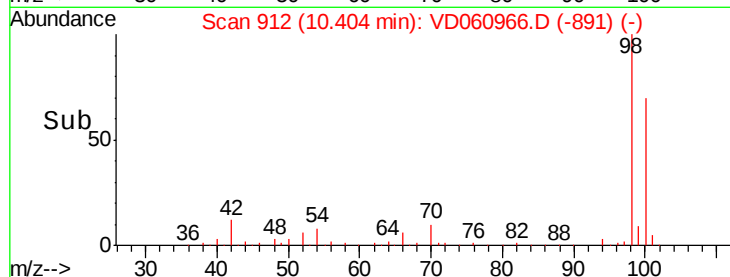
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD060966.D

Acq: 6 Mar 2019 15:38

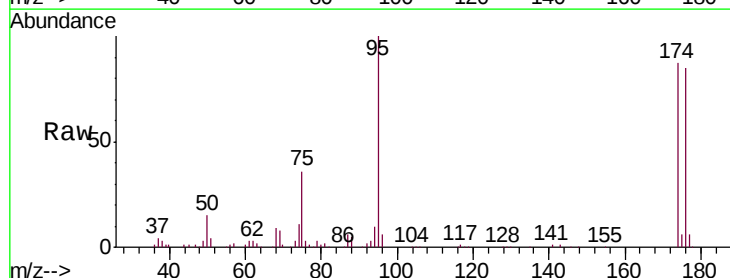
Tgt Ion: 95 Resp: 332327

Ion Ratio Lower Upper

95 100

174 87.0 0.0 165.6

176 85.2 0.0 160.6



Abundance Ion 95.00 (94.70 to 95.70): VD060912.D (-1227) (-)

Ion 173.90 (173.60 to 174.60): VD060912.D (-1227) (-)

Ion 175.90 (175.60 to 176.60): VD060912.D (-1227) (-)

300000

250000

200000

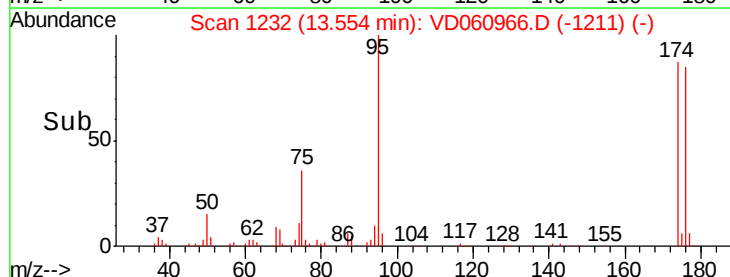
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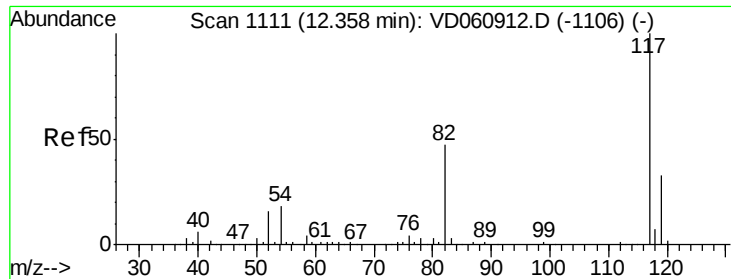
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50000

0

Time-->

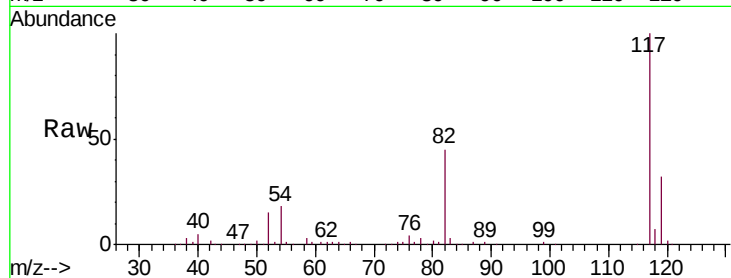




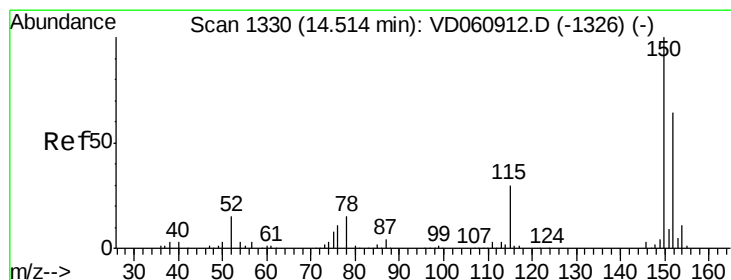
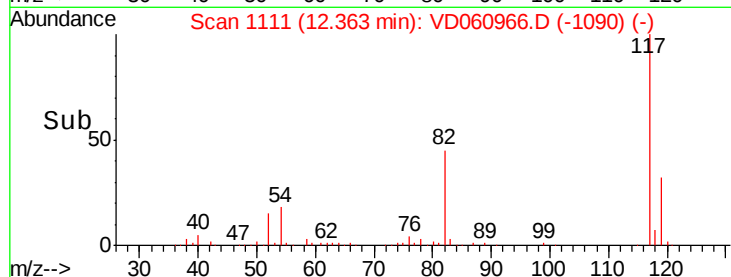
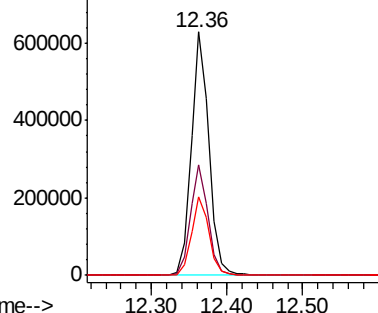
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD060966.D
Acq: 6 Mar 2019 15:38

Instrument :
MSVOA_D
ClientSampleId :
SB-D-5-8RE

Tgt Ion:117 Resp: 1026108
Ion Ratio Lower Upper
117 100
82 45.3 37.5 56.3
119 32.2 26.2 39.2

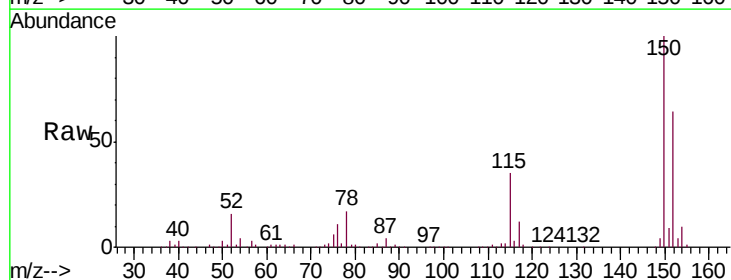


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

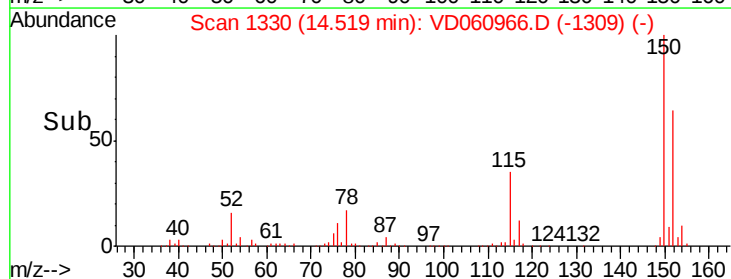
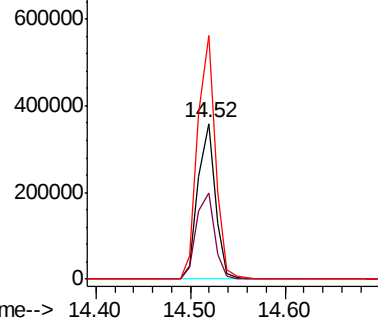


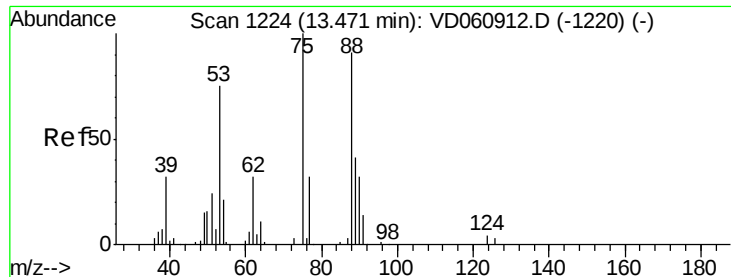
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD060966.D
Acq: 6 Mar 2019 15:38

Tgt Ion:152 Resp: 460368
Ion Ratio Lower Upper
152 100
115 55.0 27.6 82.8
150 156.4 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: 54.112 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD060966.D

Acq: 6 Mar 2019 15:38

Instrument :

MSVOA_D

ClientSampleId :

SB-D-5-8RE

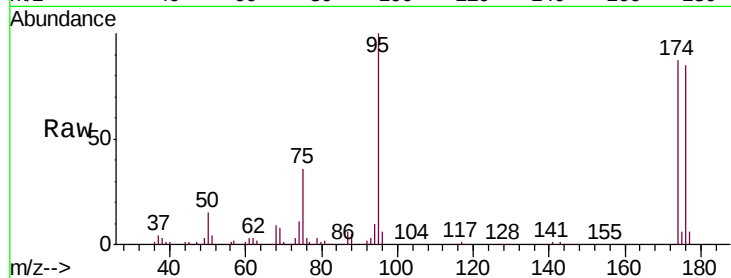
Tgt Ion: 75 Resp: 119456

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

