

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030419\
 Data File : VD060932.D
 Acq On : 4 Mar 2019 19:13
 Operator : VA/AP
 Sample : K1714-05
 Misc : 7.42g/5ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-A-11-14

Quant Time: Mar 05 01:34:15 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	534528	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.23	114	957748	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	779412	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.53	152	347017	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	244213	55.27	ug/l	0.02
Spiked Amount			Recovery	=	110.54%	
35) Dibromofluoromethane	6.94	113	406346	52.92	ug/l	0.02
Spiked Amount			Recovery	=	105.84%	
50) Toluene-d8	10.42	98	916688	47.98	ug/l	0.02
Spiked Amount			Recovery	=	95.96%	
62) 4-Bromofluorobenzene	13.56	95	355444	49.23	ug/l	0.01
Spiked Amount			Recovery	=	98.46%	

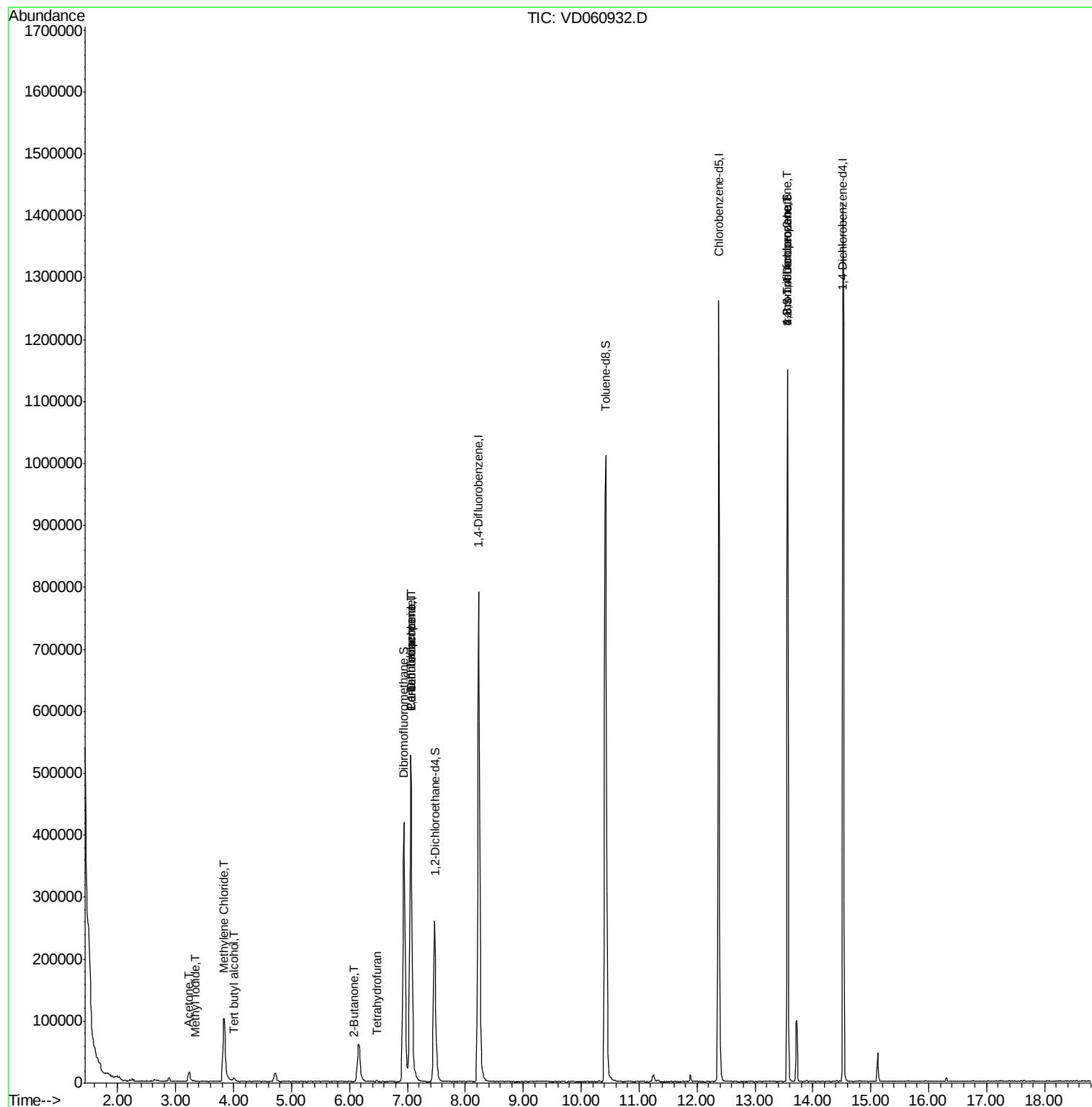
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.35	142	195	4.760	ug/l #	40
11) Tert butyl alcohol	4.01	59	6146	18.661	ug/l #	77
16) Acetone	3.24	43	32998	22.365	ug/l	98
20) Methylene Chloride	3.83	84	78972	8.245	ug/l	96
25) 2-Butanone	6.08	43	2692	1.471	ug/l #	55
29) Tetrahydrofuran	6.48	42	1755	1.863	ug/l #	69
36) 1,1-Dichloropropene	7.06	75	40495	4.599	ug/l #	44
38) Carbon Tetrachloride	7.06	117	51683	5.463	ug/l #	15
76) 1,2,3-Trichloropropane	13.56	75	116490	20.718	ug/l #	45
81) trans-1,4-Dichloro-2-buten	13.56	75	127365	76.540	ug/l #	20
89) n-Butylbenzene	14.80	91	367	Below Cal	#	78

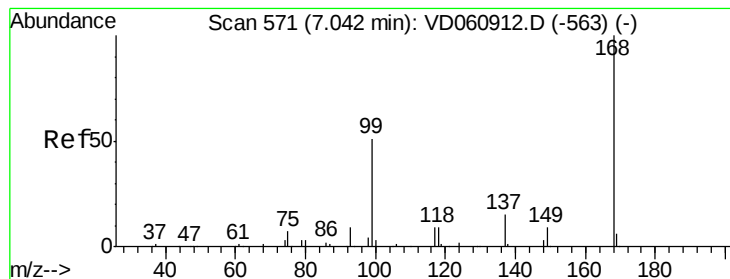
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD030419\
Data File : VD060932.D
Acq On : 4 Mar 2019 19:13
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SB-A-11-14

Quant Time: Mar 05 01:34:15 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D030119S.M
Quant Title : SW846 8260
QLast Update : Sat Mar 02 01:28:28 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD060932.D

Acq: 4 Mar 2019 19:13

Instrument :

MSVOA_D

ClientSampleId :

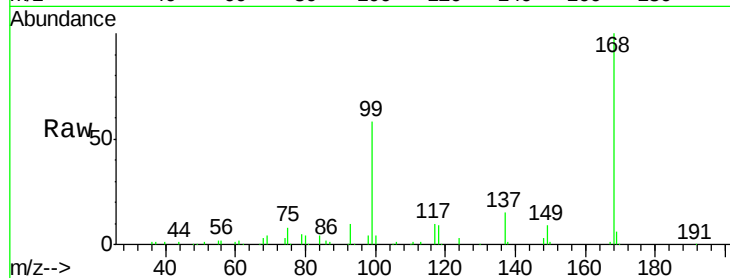
SB-A-11-14

Tot Ion:168 Resp: 534528

Ion Ratio Lower Upper

168 100

99 57.8 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

200000

150000

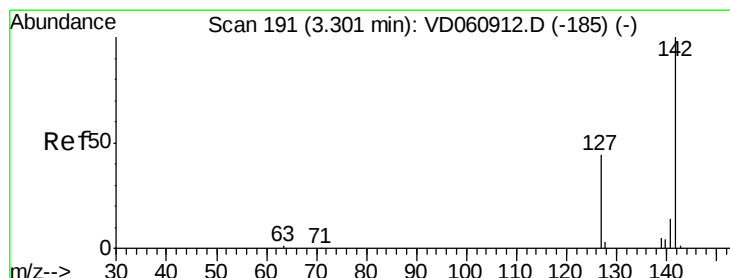
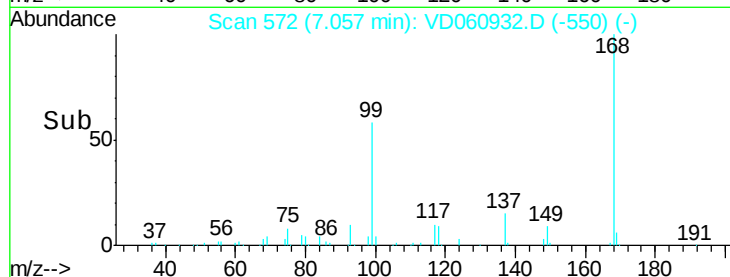
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#10

Methyl Iodide

Concen: 4.760 ug/l

RT: 3.35 min Scan# 195

Delta R.T. 0.04 min

Lab File: VD060932.D

Acq: 4 Mar 2019 19:13

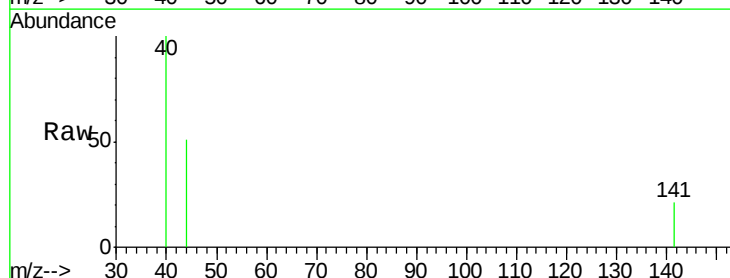
Tgt Ion:142 Resp: 195

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

3.35

400

300

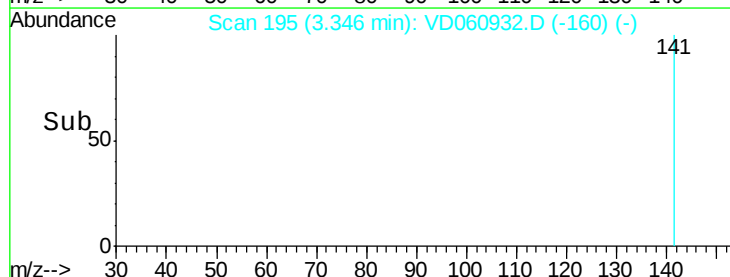
200

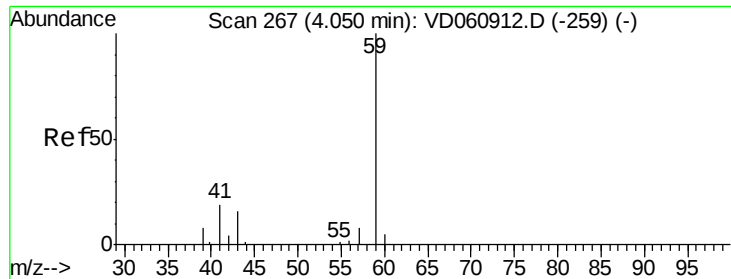
100

0

Time-->

3.32 3.34 3.36



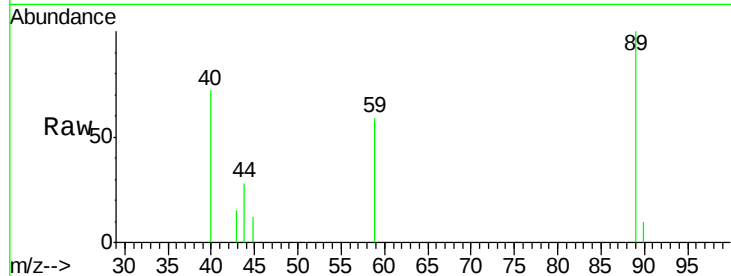


#11

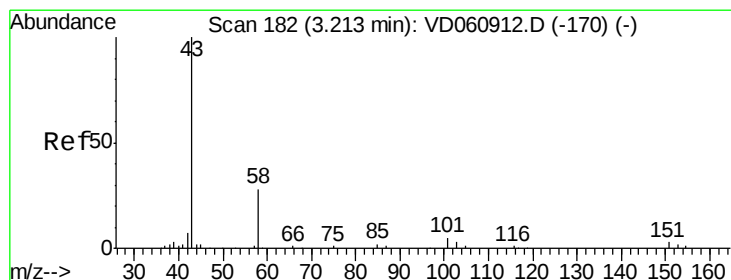
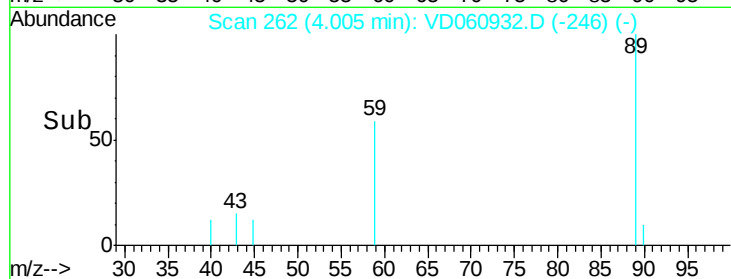
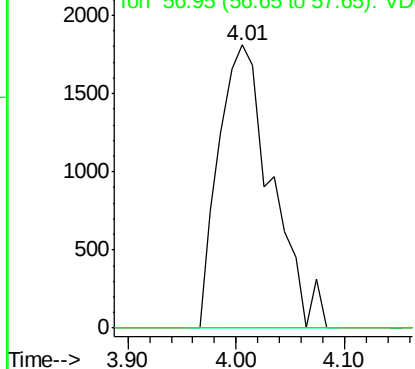
Tert butyl alcohol
 Concen: 18.661 ug/l
 RT: 4.01 min Scan# 262
 Delta R.T. -0.04 min
 Lab File: VD060932.D
 Acq: 4 Mar 2019 19:13

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-A-11-14

Tot Ion: 59 Resp: 6146
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.5 9.7#



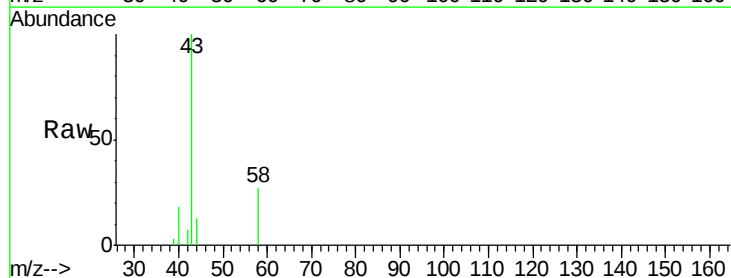
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



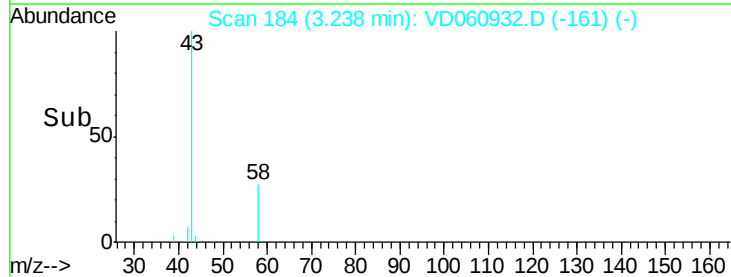
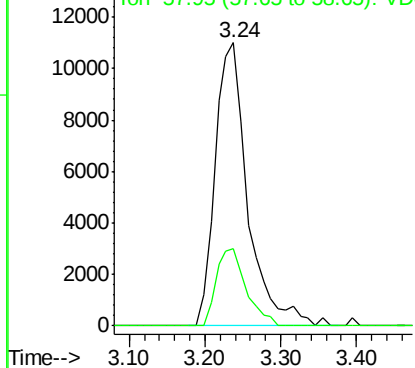
#16

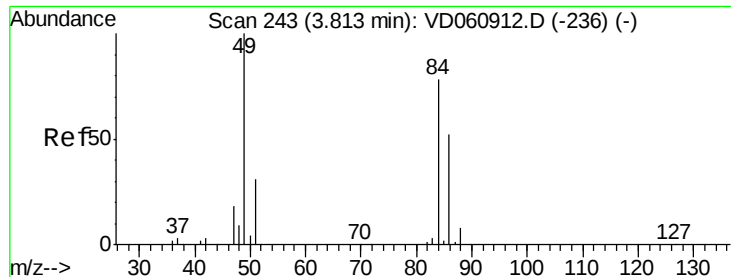
Acetone
 Concen: 22.365 ug/l
 RT: 3.24 min Scan# 184
 Delta R.T. 0.02 min
 Lab File: VD060932.D
 Acq: 4 Mar 2019 19:13

Tgt Ion: 43 Resp: 32998
 Ion Ratio Lower Upper
 43 100
 58 27.5 22.8 34.2



Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 57.95 (57.65 to 58.65): VDC

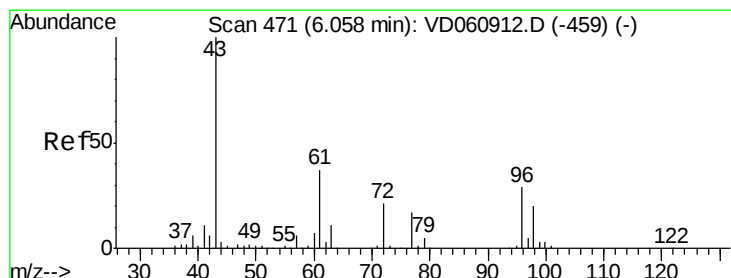
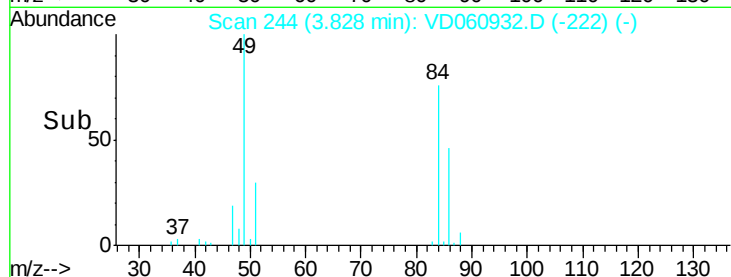
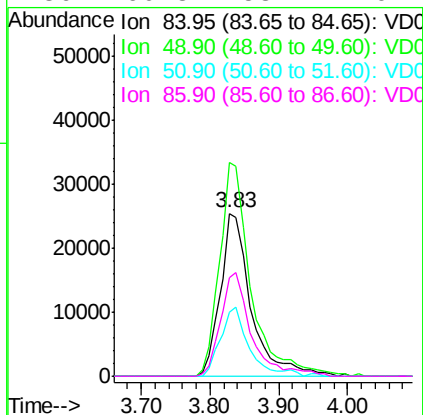
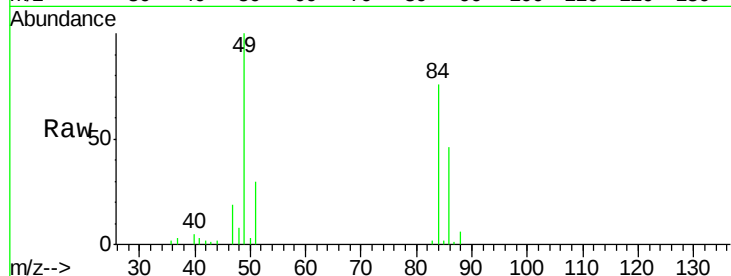




#20
Methvlene Chloride
Concen: 8.245 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.02 min
Lab File: VD060932.D
Acq: 4 Mar 2019 19:13

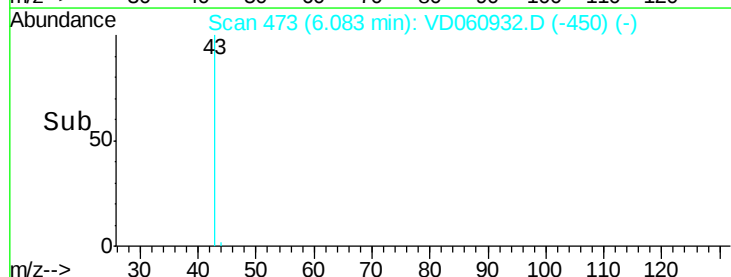
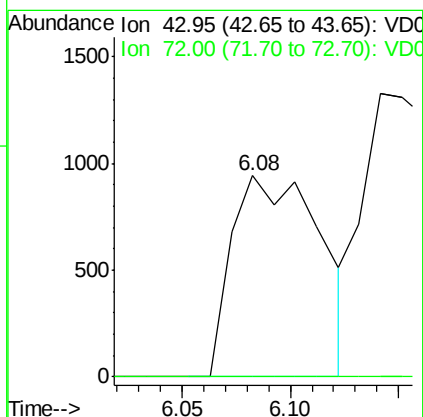
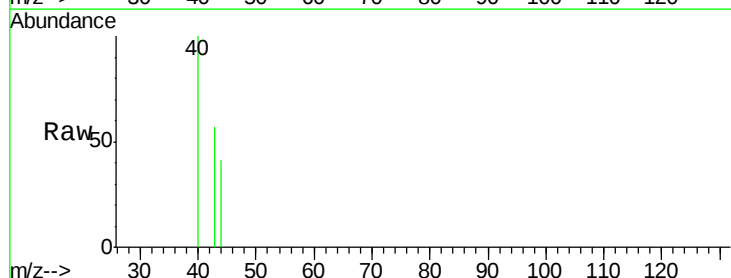
Instrument :
MSVOA_D
ClientSampleId :
SB-A-11-14

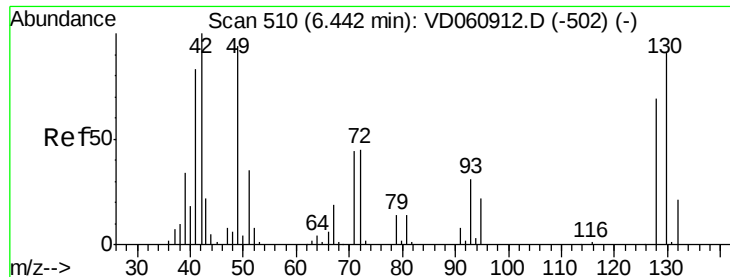
Tot Ion: 84 Resp: 78972
Ion Ratio Lower Upper
84 100
49 131.3 102.4 153.6
51 39.3 31.9 47.9
86 60.8 53.1 79.7



#25
2-Butanone
Concen: 1.471 ug/l
RT: 6.08 min Scan# 473
Delta R.T. 0.02 min
Lab File: VD060932.D
Acq: 4 Mar 2019 19:13

Tgt Ion: 43 Resp: 2692
Ion Ratio Lower Upper
43 100
72 0.0 17.0 25.4#





#29

Tetrahydrofuran

Concen: 1.863 ug/l

RT: 6.48 min Scan# 513

Delta R.T. 0.03 min

Lab File: VD060932.D

Acq: 4 Mar 2019 19:13

Instrument :

MSVOA_D

ClientSampled :

SB-A-11-14

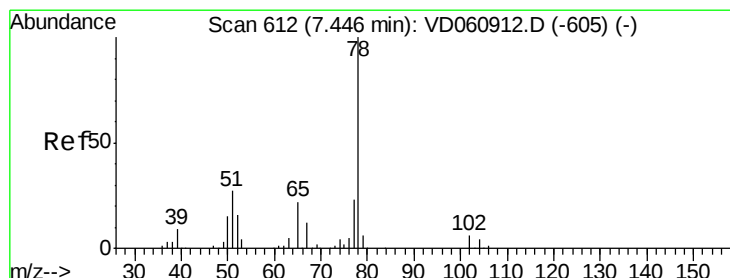
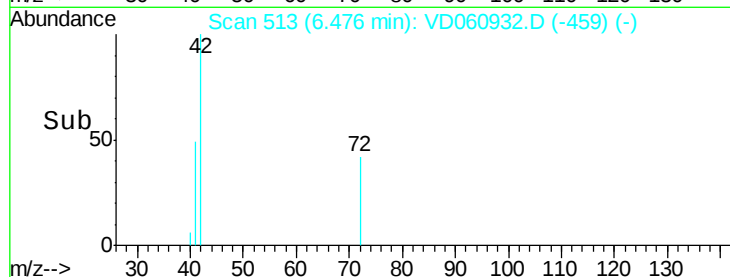
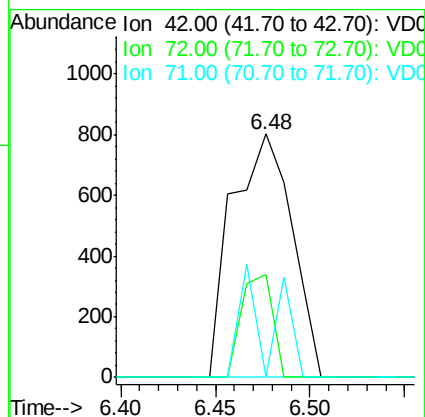
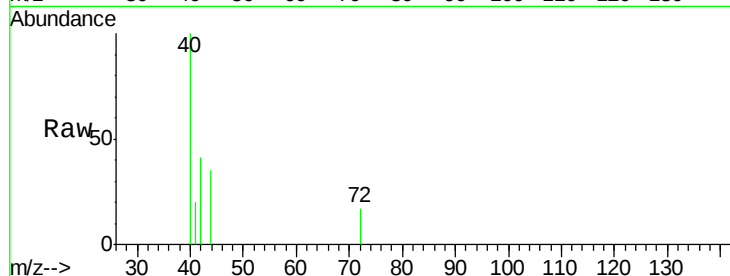
Tot Ion: 42 Resp: 1755

Ion Ratio Lower Upper

42 100

72 21.8 33.8 50.6#

71 23.5 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: VD060932.D

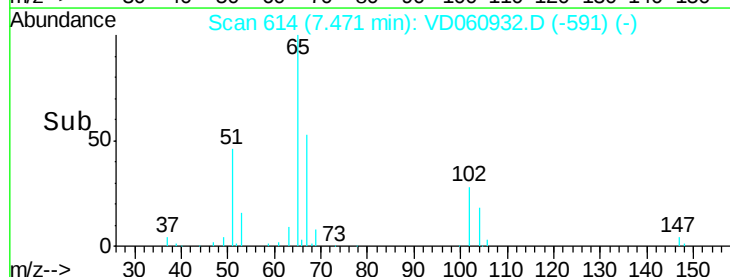
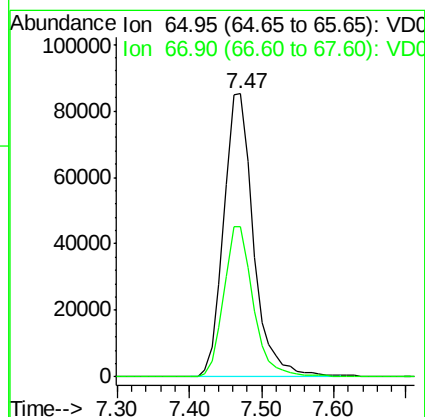
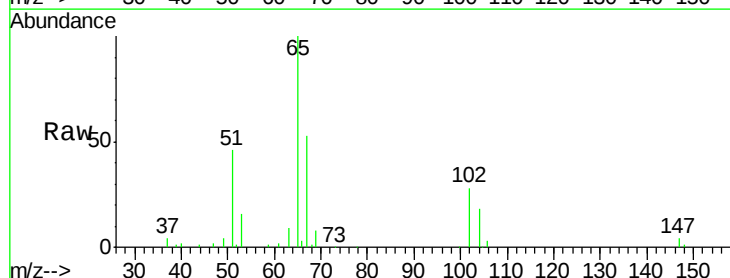
Acq: 4 Mar 2019 19:13

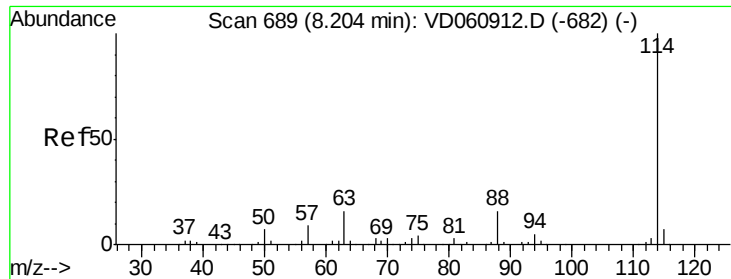
Tgt Ion: 65 Resp: 244213

Ion Ratio Lower Upper

65 100

67 53.0 0.0 109.4

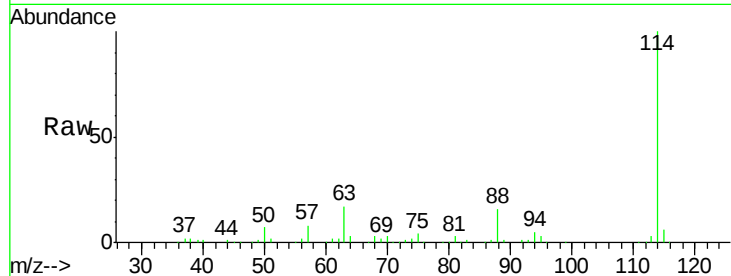




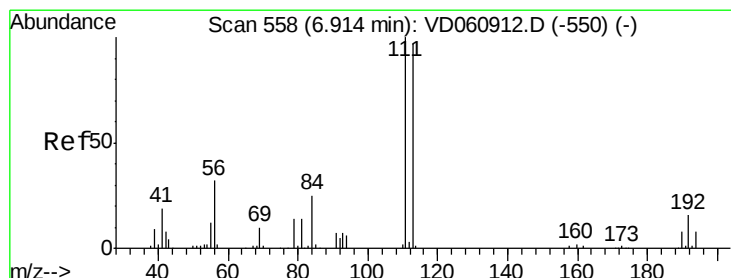
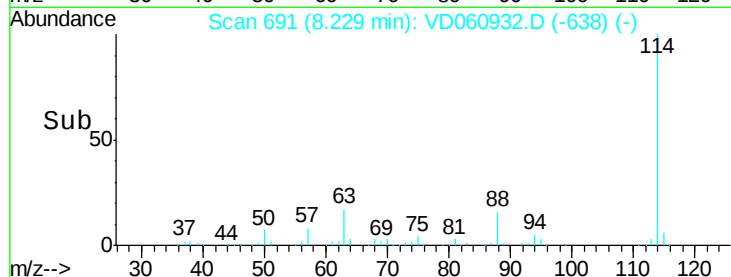
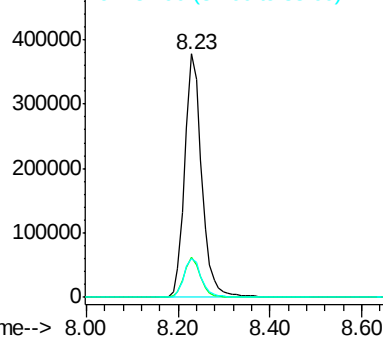
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.02 min
 Lab File: VD060932.D
 Acq: 4 Mar 2019 19:13

Instrument :
 MSVOA_D
 ClientSampleID :
 SB-A-11-14

Tot Ion:114 Resp: 957748
 Ion Ratio Lower Upper
 114 100
 63 16.5 0.0 32.0
 88 16.2 0.0 32.8

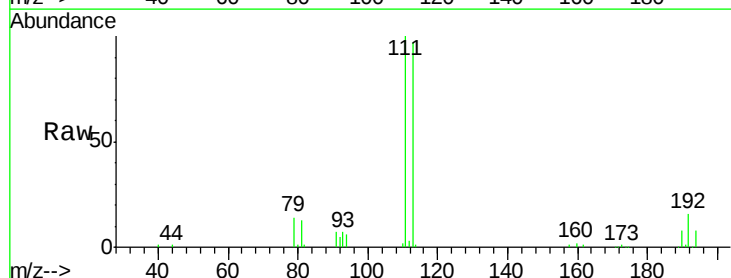


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

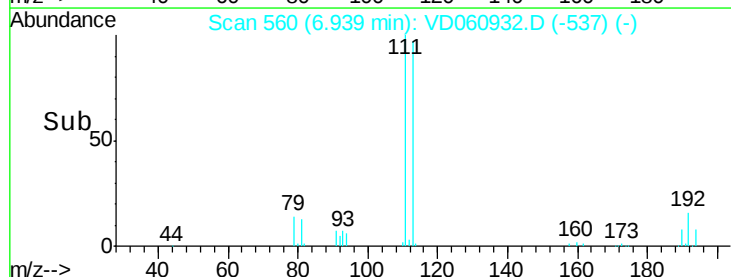
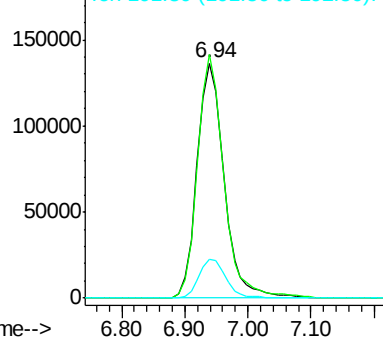


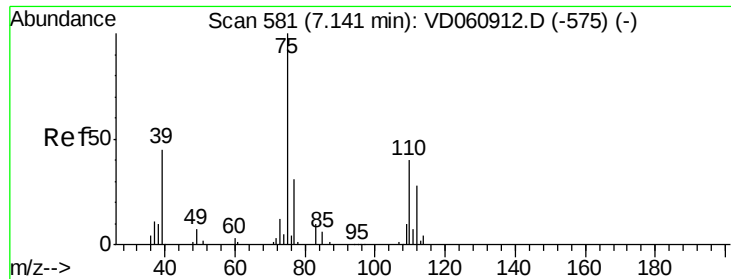
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. 0.02 min
 Lab File: VD060932.D
 Acq: 4 Mar 2019 19:13

Tgt Ion:113 Resp: 406346
 Ion Ratio Lower Upper
 113 100
 111 103.6 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: 4.599 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.08 min

Lab File: VD060932.D

Acq: 4 Mar 2019 19:13

Instrument :

MSVOA_D

ClientSampleId :

SB-A-11-14

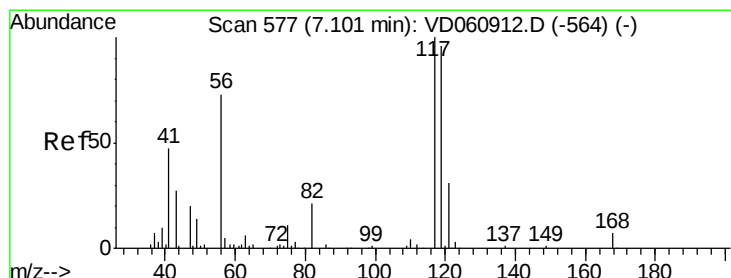
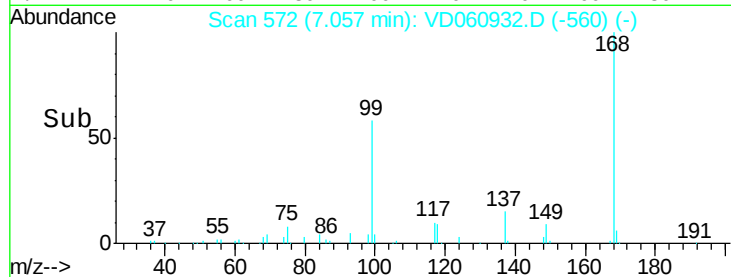
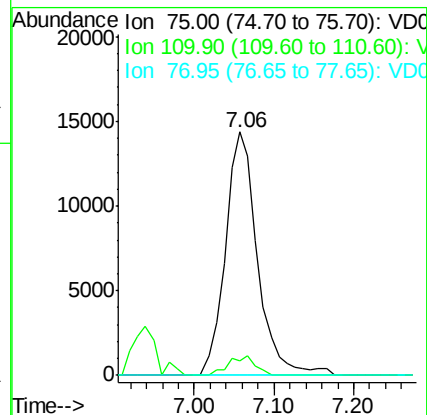
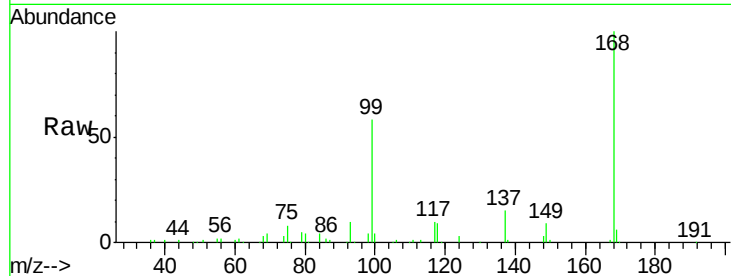
Tot Ion: 75 Resp: 40495

Ion Ratio Lower Upper

75 100

110 5.9 19.9 59.7#

77 0.0 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 5.463 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.04 min

Lab File: VD060932.D

Acq: 4 Mar 2019 19:13

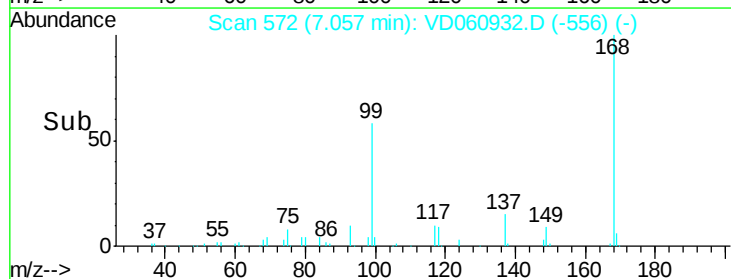
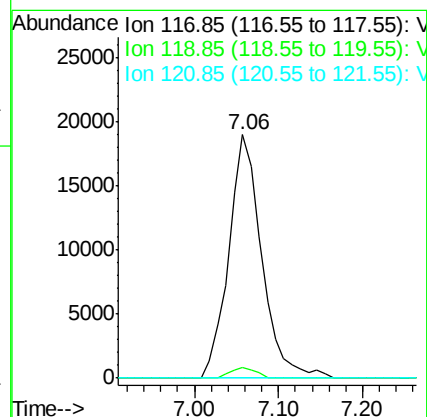
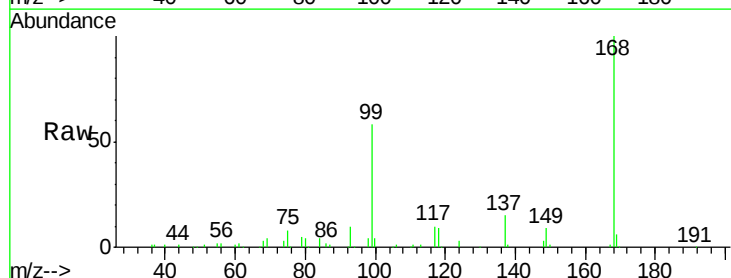
Tgt Ion: 117 Resp: 51683

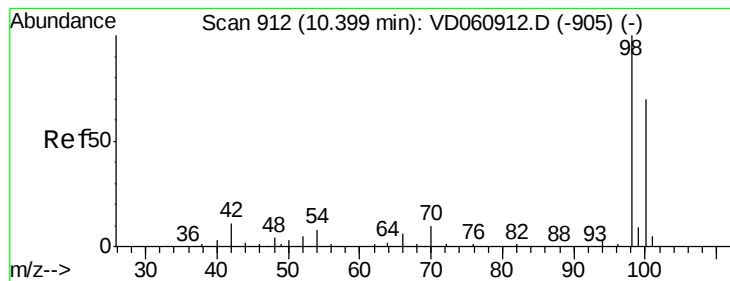
Ion Ratio Lower Upper

117 100

119 4.5 76.9 115.3#

121 0.0 24.5 36.7#





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.02 min

Lab File: VD060932.D

Acq: 4 Mar 2019 19:13

Instrument :

MSVOA_D

ClientSampleId :

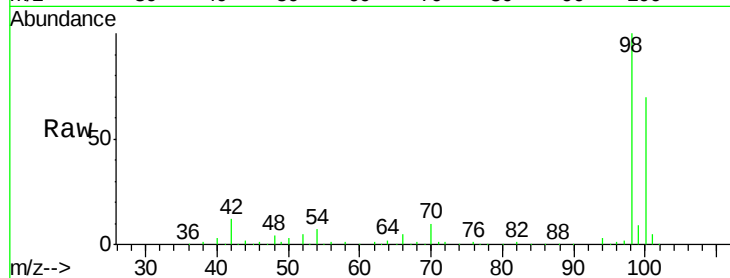
SB-A-11-14

Tot Ion: 98 Resp: 916688

Ion Ratio Lower Upper

98 100

100 69.7 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) (-)

10.42

400000

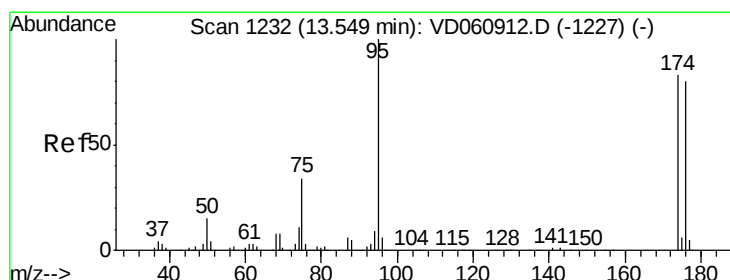
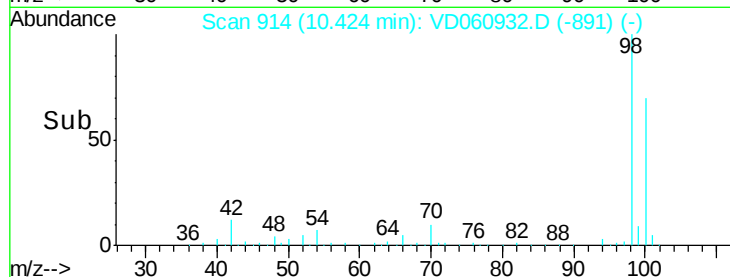
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD060932.D

Acq: 4 Mar 2019 19:13

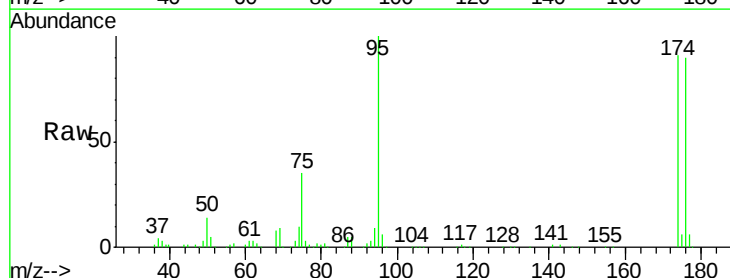
Tgt Ion: 95 Resp: 355444

Ion Ratio Lower Upper

95 100

174 91.1 0.0 165.6

176 89.7 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) (-)

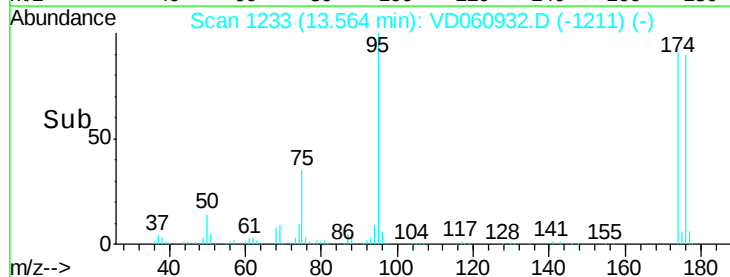
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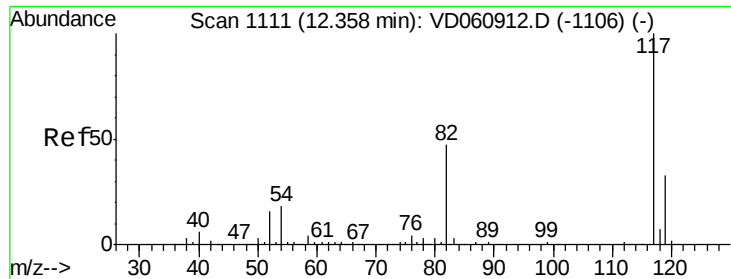
200000

100000

0

Time-->

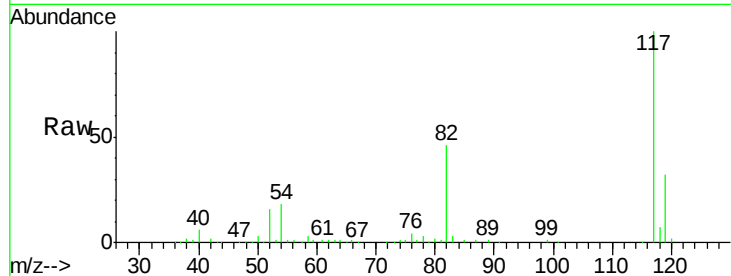




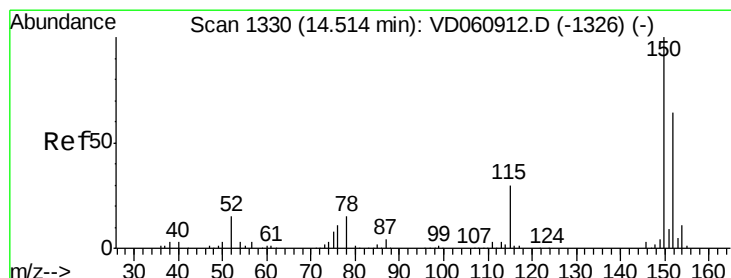
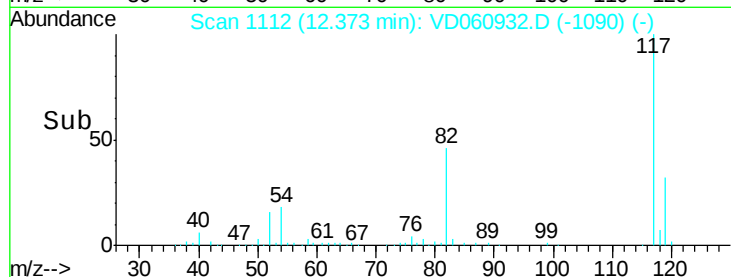
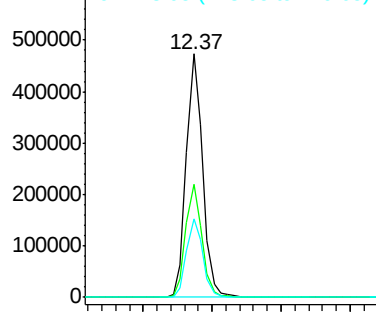
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD060932.D
Acq: 4 Mar 2019 19:13

Instrument :
MSVOA_D
ClientSampleId :
SB-A-11-14

Tot Ion:117 Resp: 779412
Ion Ratio Lower Upper
117 100
82 46.3 37.5 56.3
119 32.4 26.2 39.2

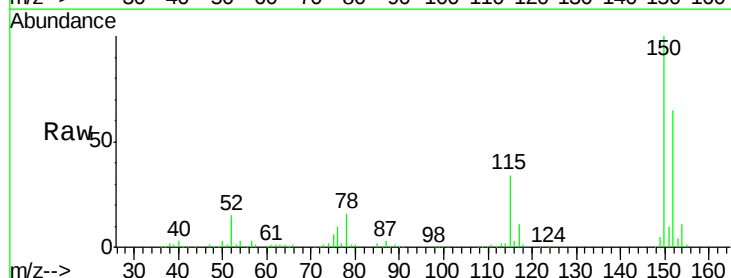


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

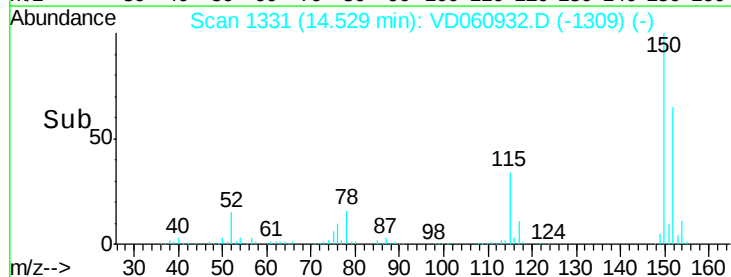
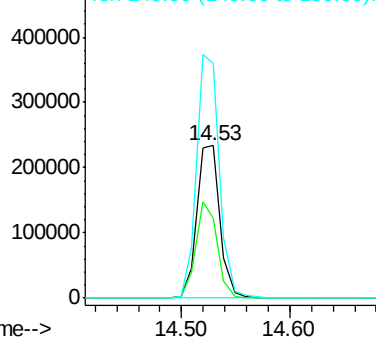


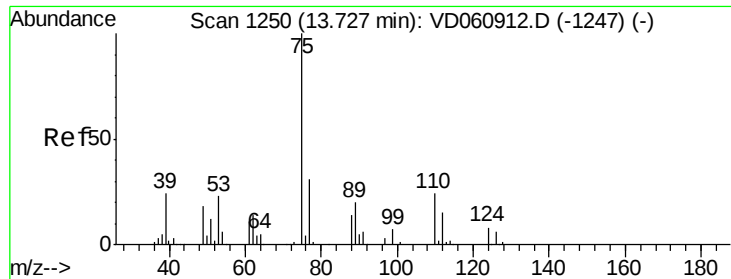
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD060932.D
Acq: 4 Mar 2019 19:13

Tgt Ion:152 Resp: 347017
Ion Ratio Lower Upper
152 100
115 52.5 27.6 82.8
150 154.6 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





#76

1,2,3-Trichloropropane

Concen: 20.718 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.16 min

Lab File: VD060932.D

Acq: 4 Mar 2019 19:13

Instrument :

MSVOA_D

ClientSampleId :

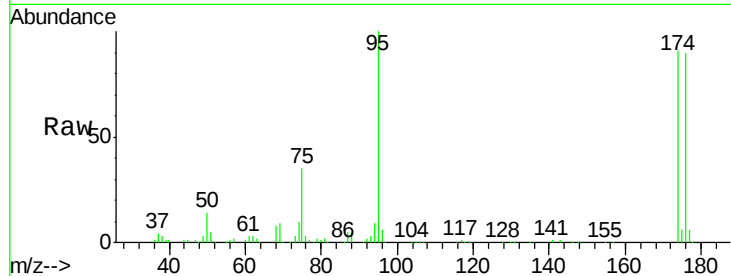
SB-A-11-14

Tot Ion: 75 Resp: 116490

Ion Ratio Lower Upper

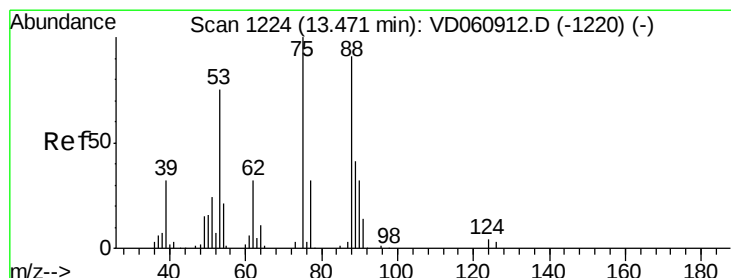
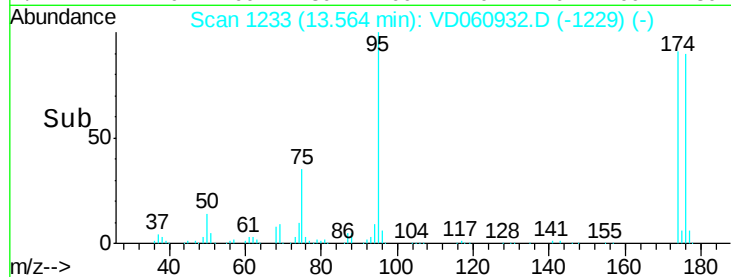
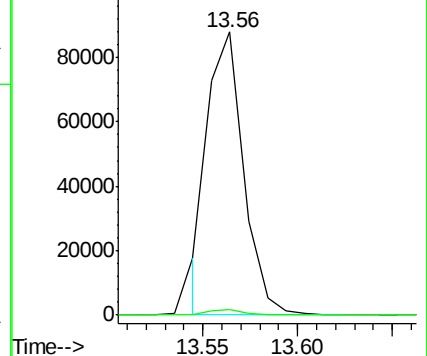
75 100

77 1.8 16.2 48.6#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 76.540 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD060932.D

Acq: 4 Mar 2019 19:13

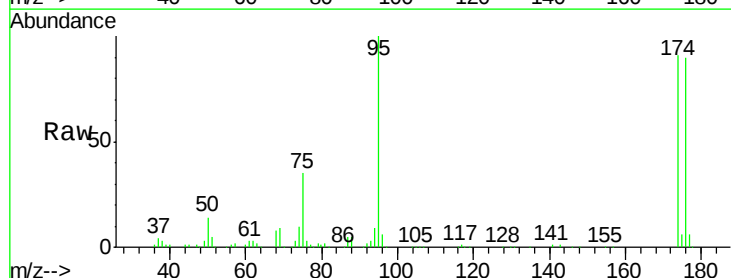
Tgt Ion: 75 Resp: 127365

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

