

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030519\
 Data File : VD060942.D
 Acq On : 5 Mar 2019 12:00
 Operator : VA/AP
 Sample : VD0305SBL01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0305SBL01

Quant Time: Mar 06 04:05:48 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	769134	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.22	114	1307729	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	1048795	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	456812	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	286685	45.09	ug/l	0.02
Spiked Amount			Recovery	=	90.18%	
35) Dibromofluoromethane	6.93	113	488108	46.56	ug/l	0.02
Spiked Amount			Recovery	=	93.12%	
50) Toluene-d8	10.42	98	1251745	47.98	ug/l	0.02
Spiked Amount			Recovery	=	95.96%	
62) 4-Bromofluorobenzene	13.56	95	469903	47.66	ug/l	0.00
Spiked Amount			Recovery	=	95.32%	

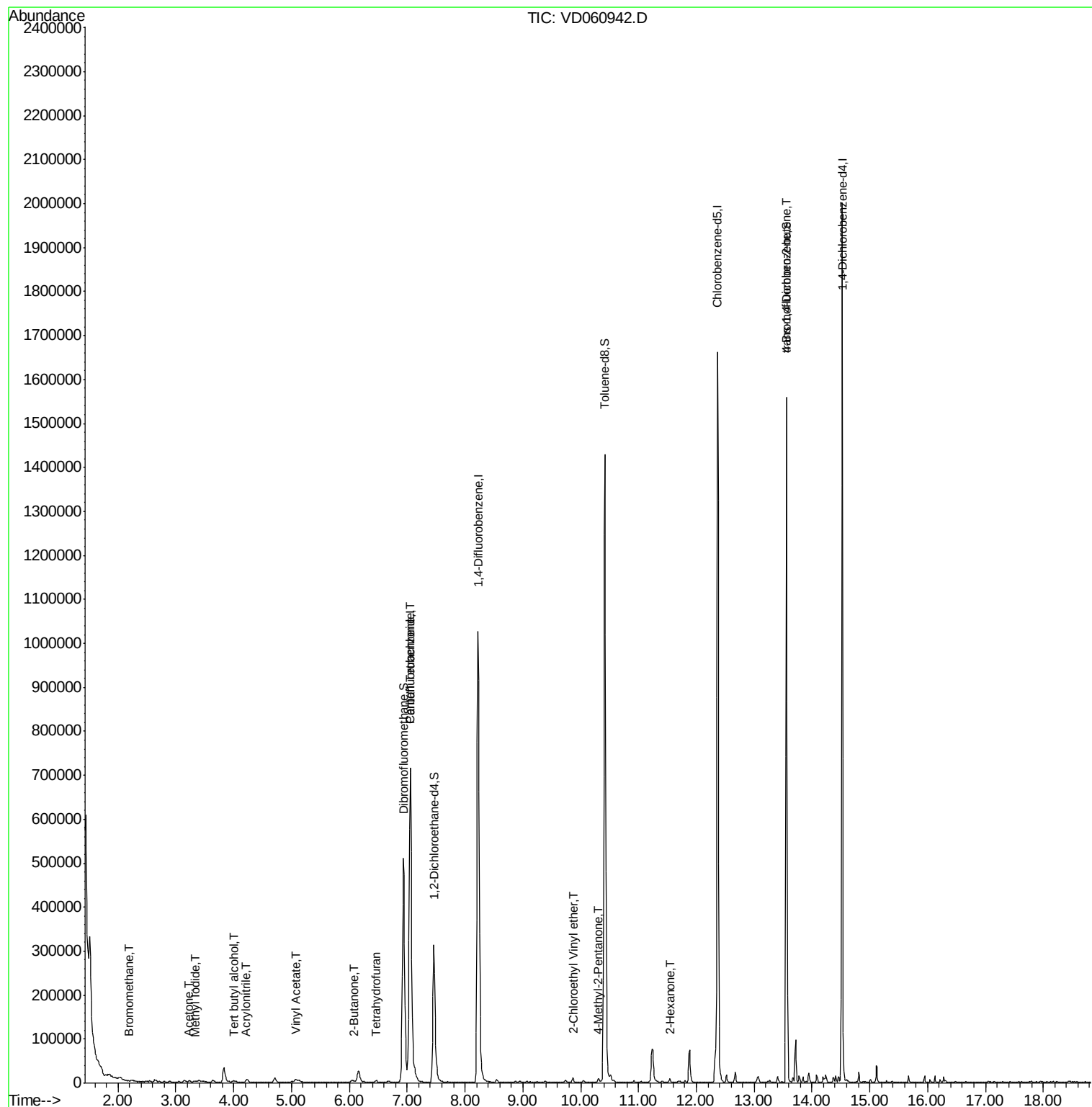
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.20	94	1235	1.094	ug/l #	1
10) Methyl Iodide	3.34	142	6001	5.106	ug/l #	82
11) Tert butyl alcohol	4.00	59	5142	10.851	ug/l #	77
15) Acrylonitrile	4.21	53	3830	2.111	ug/l #	79
16) Acetone	3.23	43	8752	4.123	ug/l	92
20) Methylene Chloride	3.83	84	24540	Below Cal		99
23) Vinyl Acetate	5.07	43	21719	1.353	ug/l #	94
25) 2-Butanone	6.09	43	5075	1.927	ug/l #	91
29) Tetrahydrofuran	6.46	42	2212	1.632	ug/l #	66
38) Carbon Tetrachloride	7.05	117	76739	5.941	ug/l #	16
51) 4-Methyl-2-Pentanone	10.30	43	10152	1.935	ug/l	89
58) 2-Chloroethyl Vinyl ether	9.87	63	5316	1.443	ug/l	99
59) 2-Hexanone	11.54	43	7081	1.925	ug/l	93
81) trans-1,4-Dichloro-2-buten	13.56	75	166782	76.138	ug/l #	20
89) n-Butylbenzene	14.80	91	6414	Below Cal		87

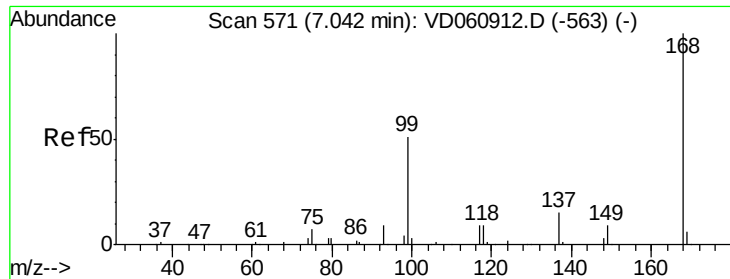
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD030519\
Data File : VD060942.D
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Quant Time: Mar 06 04:05:48 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# 573

Delta R.T. 0.02 min

Lab File: VD060942.D

Acq: 5 Mar 2019 12:00

Instrument :

MSVOA_D

ClientSampleId :

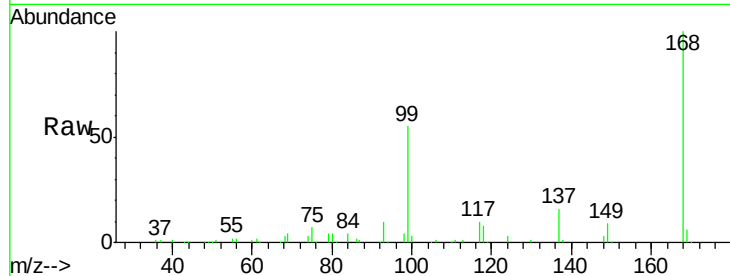
VD0305SBL01

Tot Ion:168 Resp: 769134

Ion Ratio Lower Upper

168 100

99 55.3 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

250000

200000

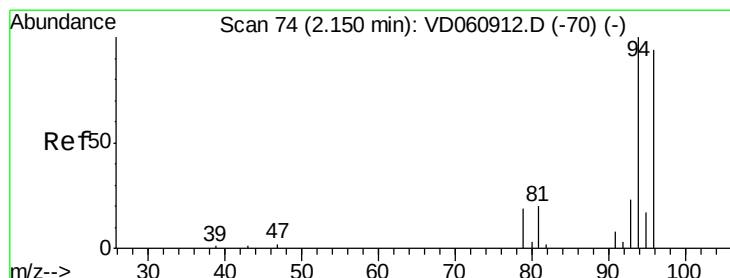
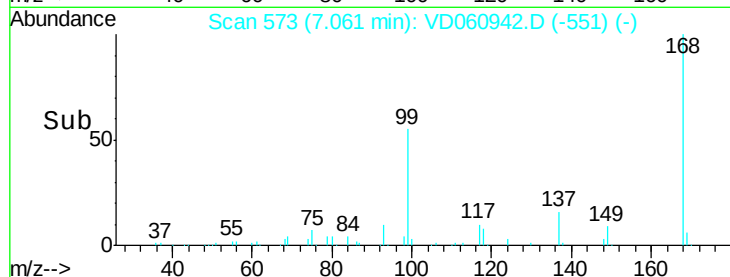
150000

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#5

Bromomethane

Concen: 1.094 ug/l

RT: 2.20 min Scan# 79

Delta R.T. 0.05 min

Lab File: VD060942.D

Acq: 5 Mar 2019 12:00

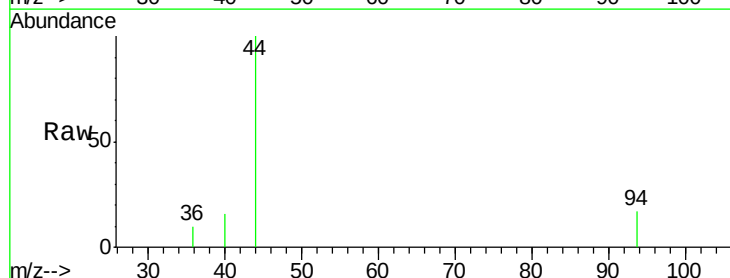
Tgt Ion: 94 Resp: 1235

Ion Ratio Lower Upper

94 100

96 0.0 75.1 112.7#

93 100.0 18.6 28.0#



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

800

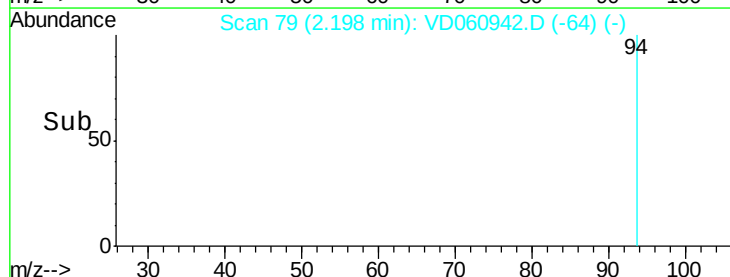
600

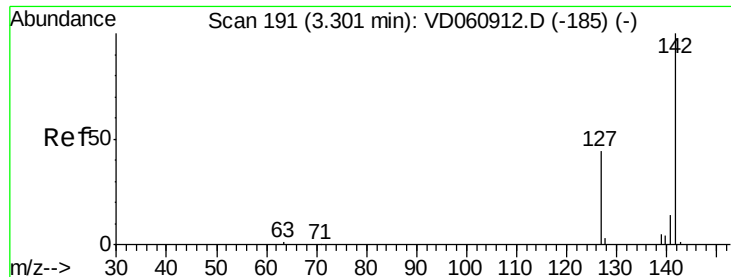
400

200

0

Time--> 2.15 2.20

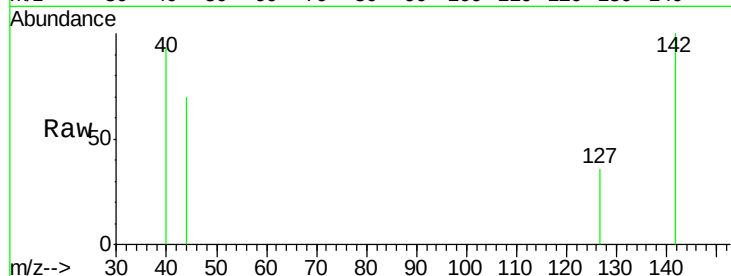




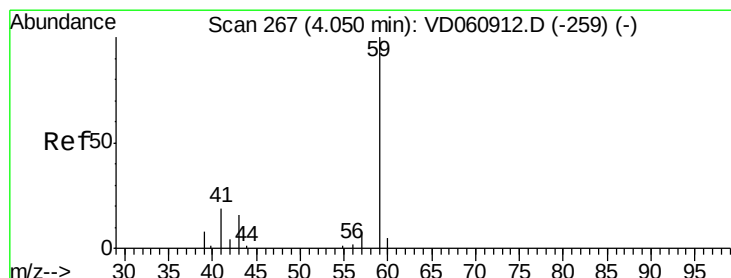
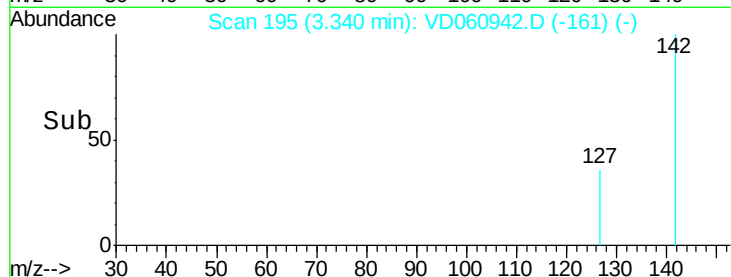
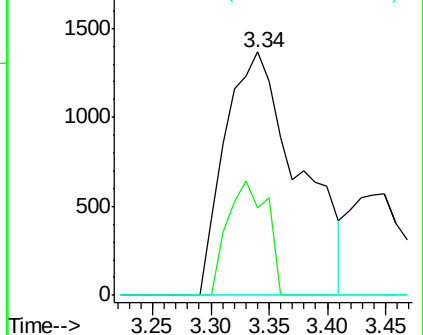
#10
Methvl Iodide
Concen: 5.106 ug/l
RT: 3.34 min Scan# 195
Delta R.T. 0.04 min
Lab File: VD060942.D
Acq: 5 Mar 2019 12:00

Instrument :
MSVOA_D
ClientSampleId :
VD0305SBL01

Tot Ion:142 Resp: 6001
Ion Ratio Lower Upper
142 100
127 35.7 35.0 52.6
141 0.0 11.0 16.4#

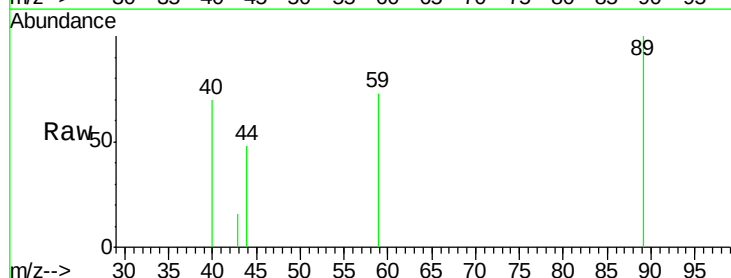


Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V

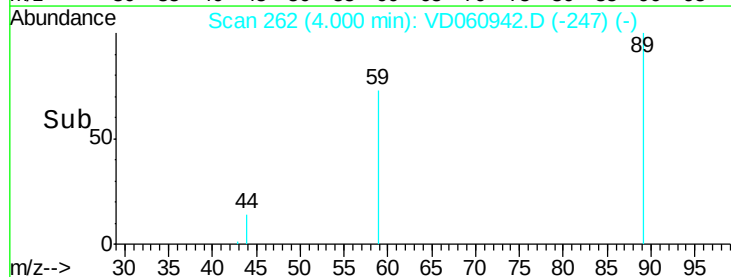
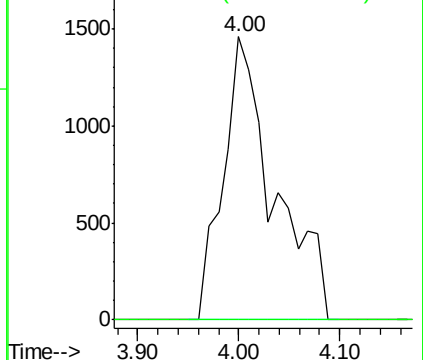


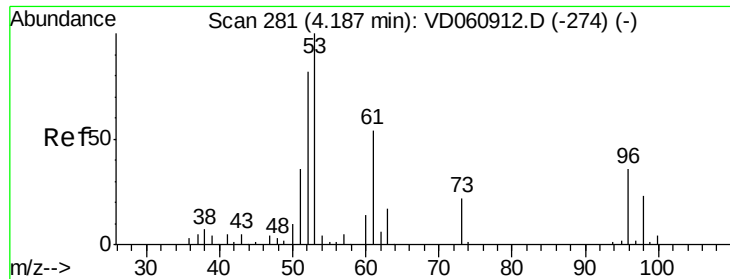
#11
Tert butyl alcohol
Concen: 10.851 ug/l
RT: 4.00 min Scan# 262
Delta R.T. -0.05 min
Lab File: VD060942.D
Acq: 5 Mar 2019 12:00

Tgt Ion: 59 Resp: 5142
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





#15

Acrylonitrile

Concen: 2.111 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.02 min

Lab File: VD060942.D

Acq: 5 Mar 2019 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD0305SBL01

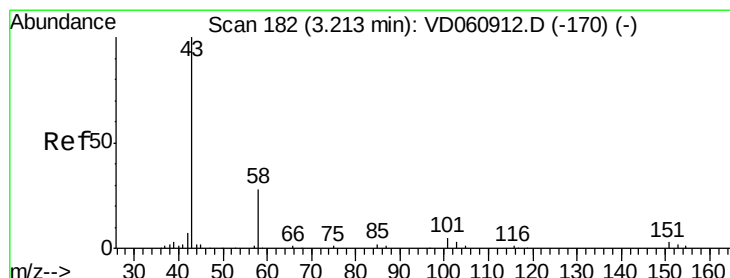
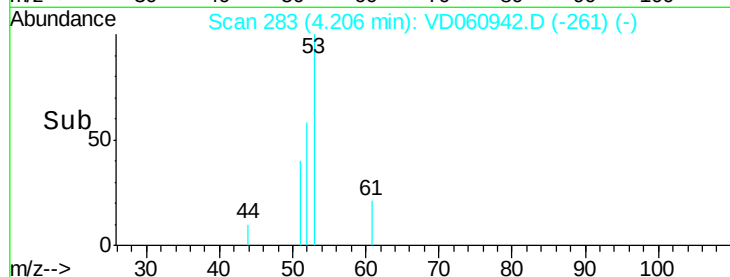
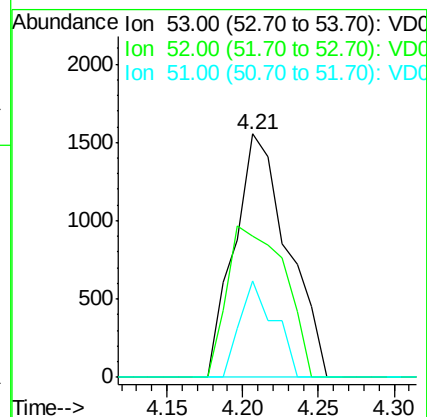
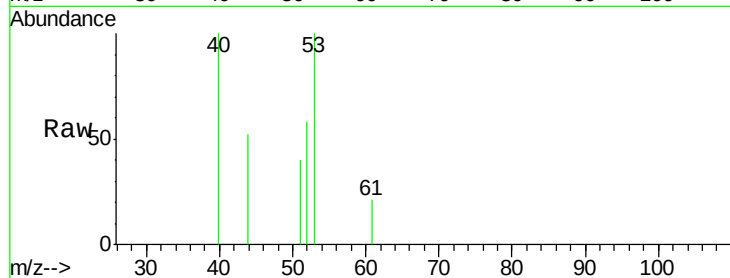
Tot Ion: 53 Resp: 3830

Ion Ratio Lower Upper

53 100

52 57.8 65.8 98.6#

51 39.8 28.9 43.3



#16

Acetone

Concen: 4.123 ug/l

RT: 3.23 min Scan# 184

Delta R.T. 0.02 min

Lab File: VD060942.D

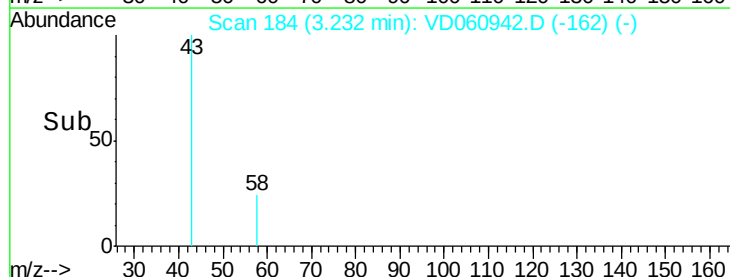
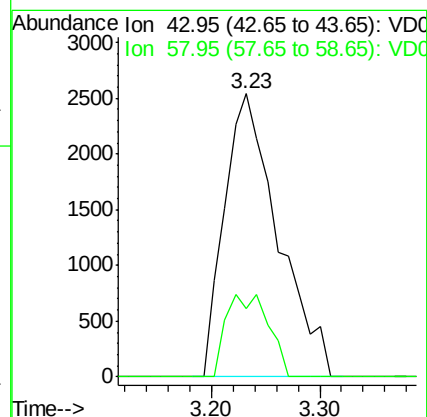
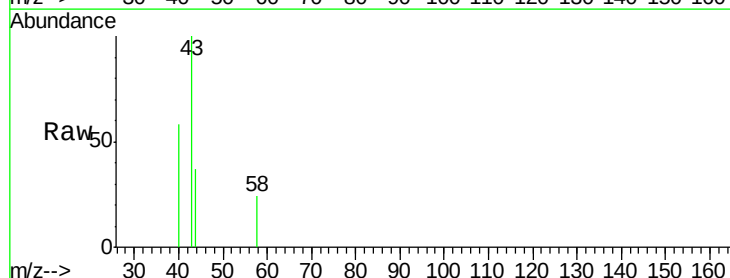
Acq: 5 Mar 2019 12:00

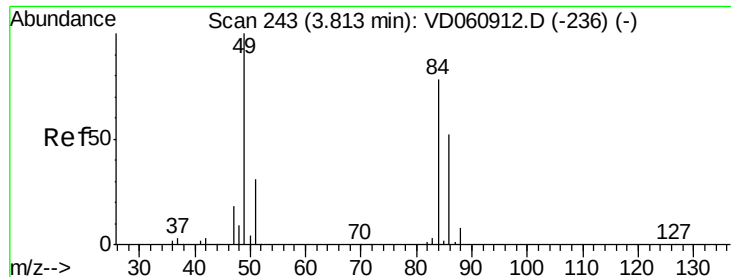
Tgt Ion: 43 Resp: 8752

Ion Ratio Lower Upper

43 100

58 24.1 22.8 34.2

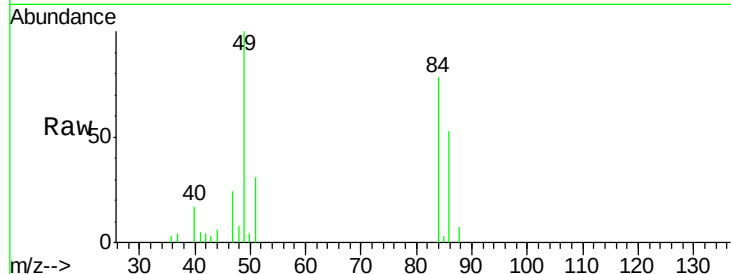




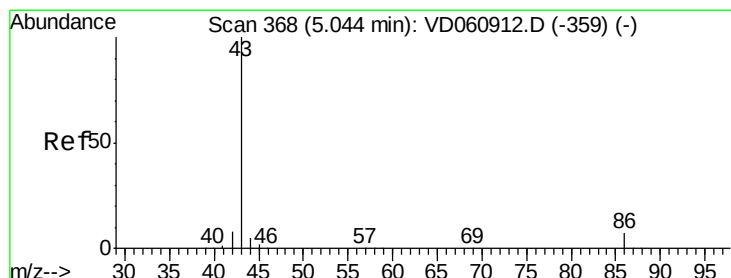
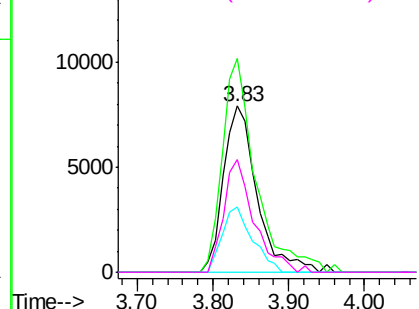
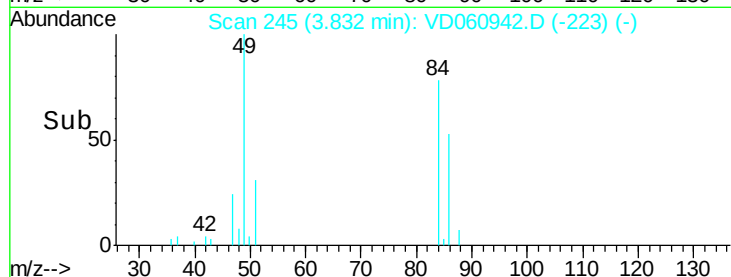
#20
Methylene Chloride
Concen: Below Cal
RT: 3.83 min Scan# 245
Delta R.T. 0.02 min
Lab File: VD060942.D
Acq: 5 Mar 2019 12:00

Instrument :
MSVOA_D
ClientSampleId :
VD0305SBL01

Tot Ion: 84 Resp: 24540
Ion Ratio Lower Upper
84 100
49 128.6 102.4 153.6
51 39.3 31.9 47.9
86 67.8 53.1 79.7

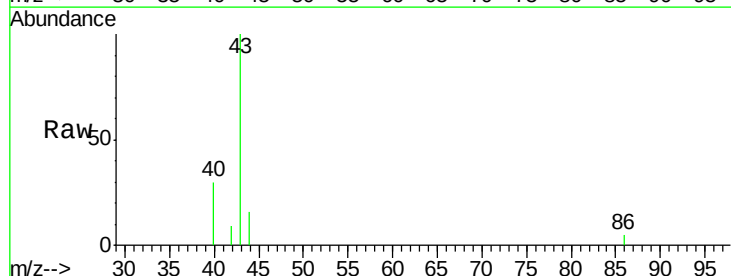


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

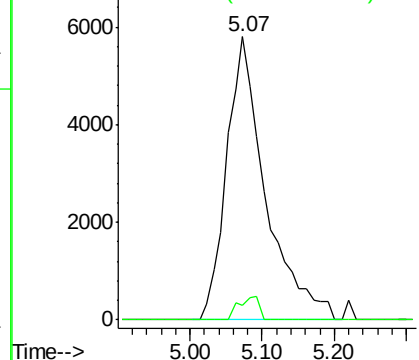
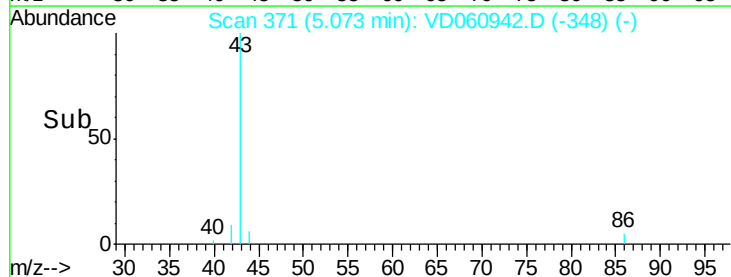


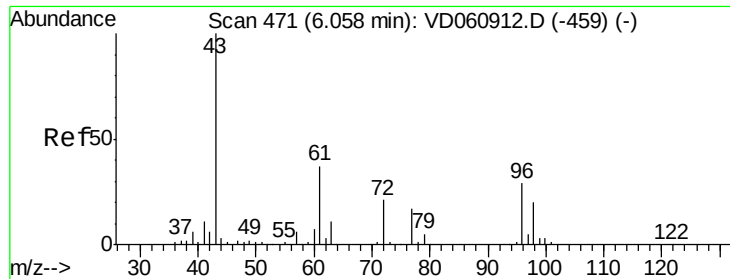
#23
Vinyl Acetate
Concen: 1.353 ug/l
RT: 5.07 min Scan# 371
Delta R.T. 0.03 min
Lab File: VD060942.D
Acq: 5 Mar 2019 12:00

Tgt Ion: 43 Resp: 21719
Ion Ratio Lower Upper
43 100
86 5.2 5.8 8.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 86.00 (85.70 to 86.70): VDC





#25

2-Butanone

Concen: 1.927 ug/l

RT: 6.09 min Scan# 474

Delta R.T. 0.03 min

Lab File: VD060942.D

Acq: 5 Mar 2019 12:00

Instrument :

MSVOA_D

ClientSampleId :

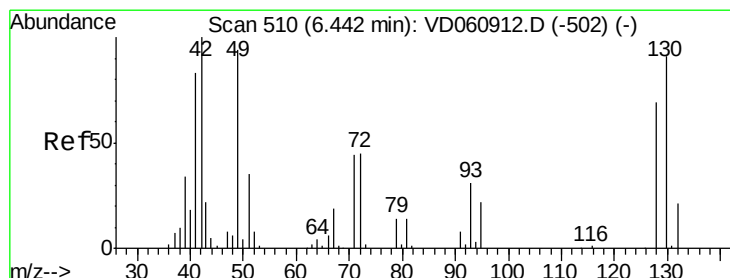
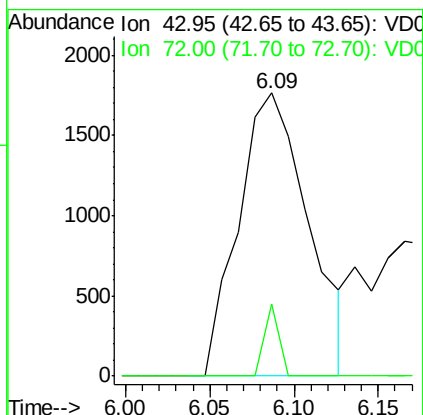
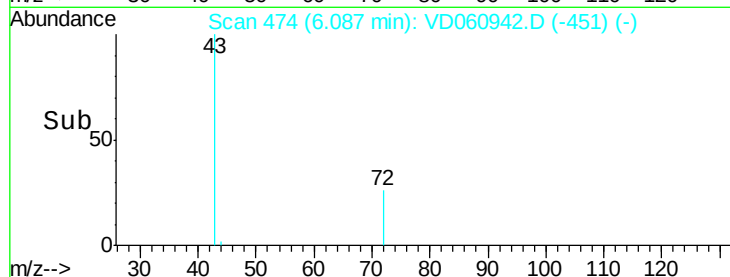
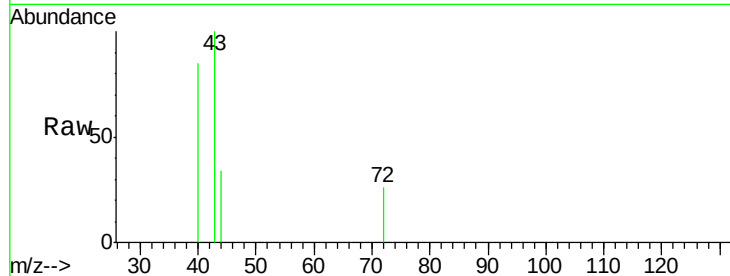
VD0305SBL01

Tot Ion: 43 Resp: 5075

Ion Ratio Lower Upper

43 100

72 25.5 17.0 25.4#



#29

Tetrahydrofuran

Concen: 1.632 ug/l

RT: 6.46 min Scan# 512

Delta R.T. 0.02 min

Lab File: VD060942.D

Acq: 5 Mar 2019 12:00

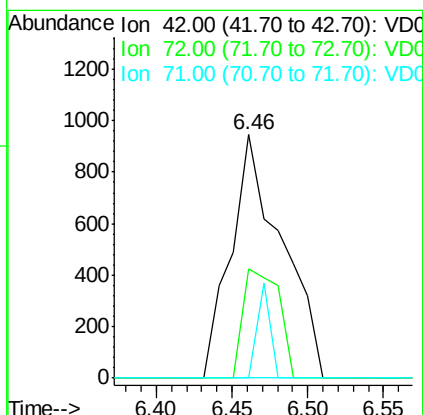
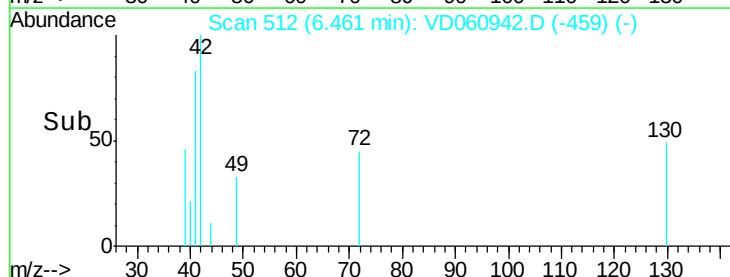
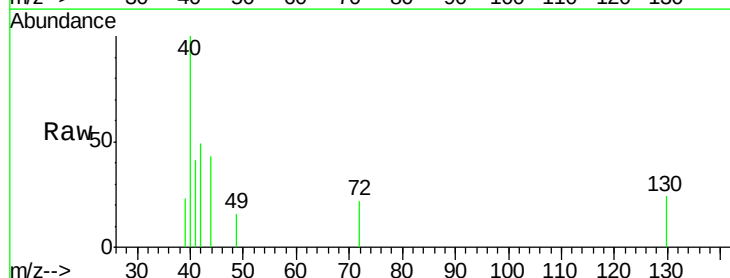
Tgt Ion: 42 Resp: 2212

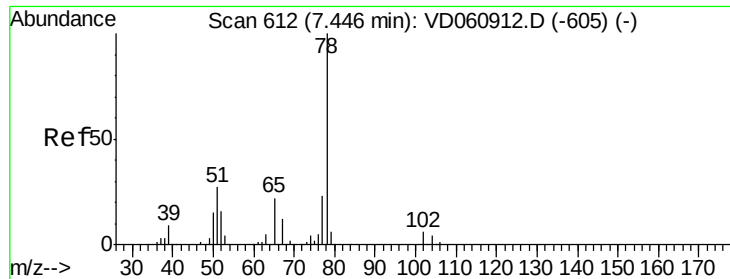
Ion Ratio Lower Upper

42 100

72 31.3 33.8 50.6#

71 9.9 33.5 50.3#

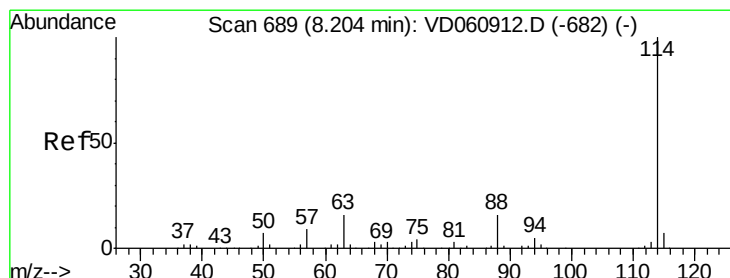
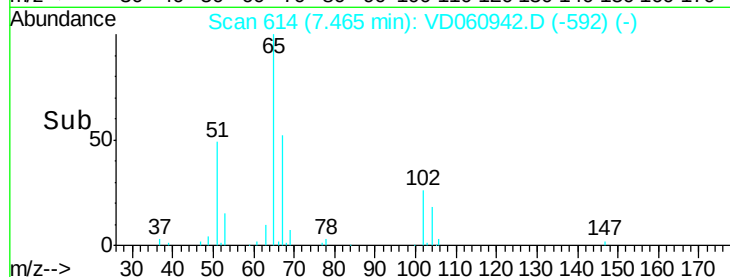
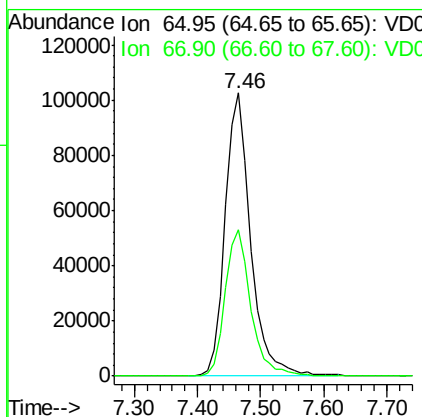
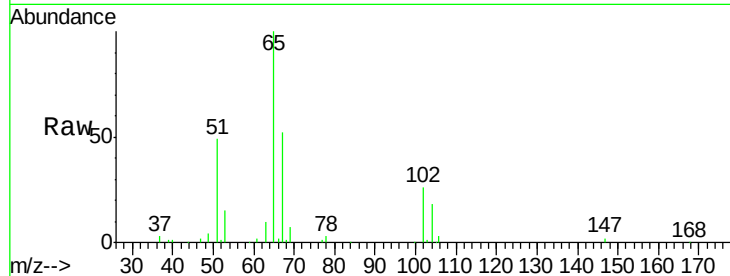




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 7.46 min Scan# 614
 Delta R.T. 0.02 min
 Lab File: VD060942.D
 Acq: 5 Mar 2019 12:00

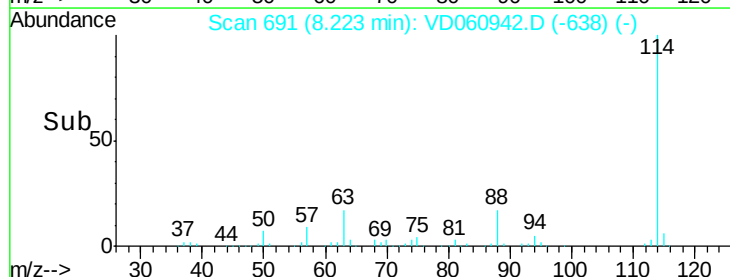
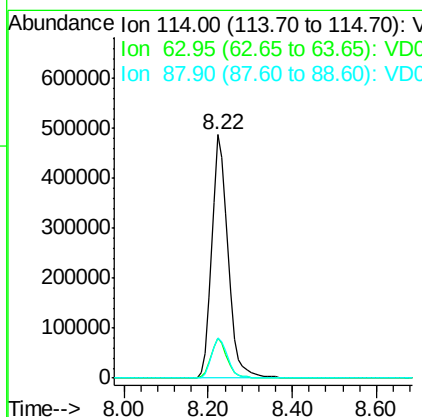
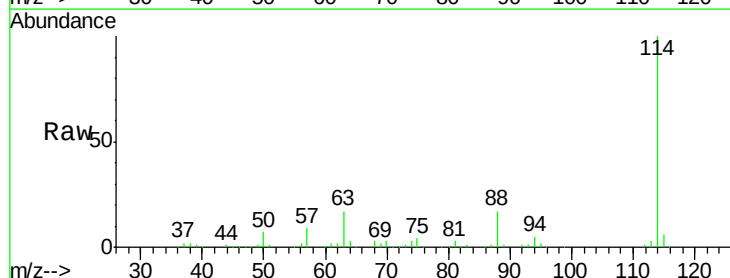
Instrument :
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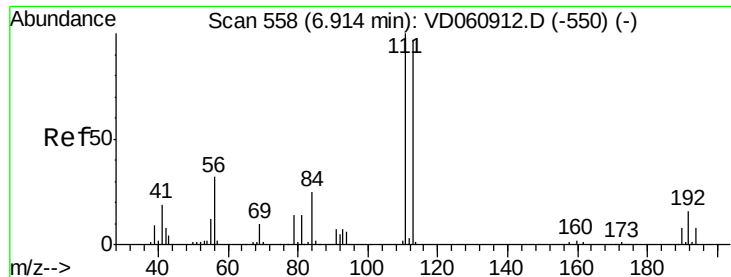
Tot Ion: 65 Resp: 286685
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 691
 Delta R.T. 0.02 min
 Lab File: VD060942.D
 Acq: 5 Mar 2019 12:00

Tgt Ion: 114 Resp: 1307729
 Ion Ratio Lower Upper
 114 100
 63 16.6 0.0 32.0
 88 16.7 0.0 32.8

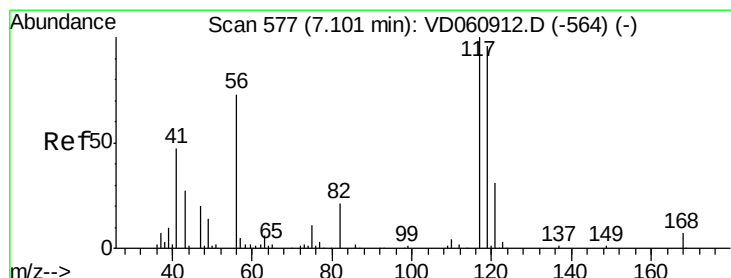
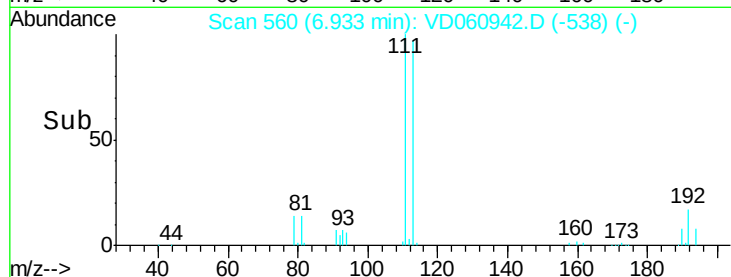
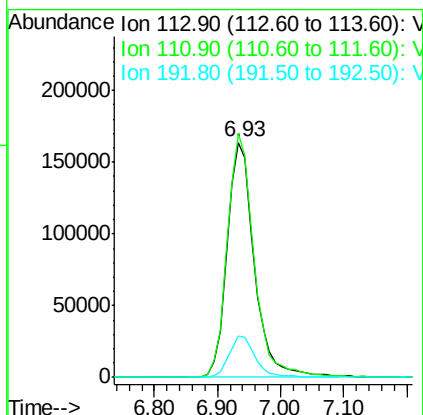
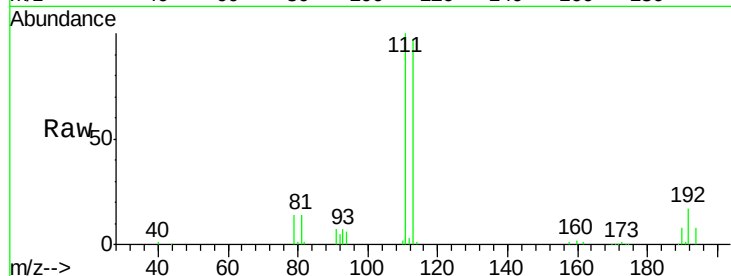




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.93 min Scan# 560
Delta R.T. 0.02 min
Lab File: VD060942.D
Acq: 5 Mar 2019 12:00

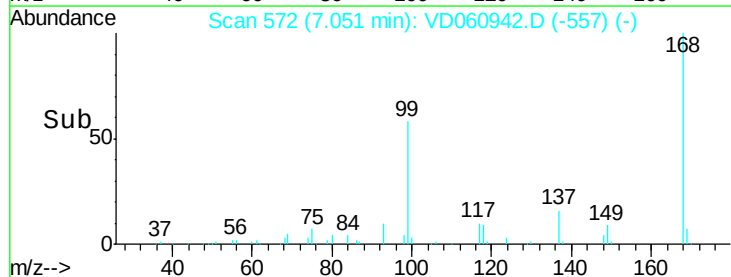
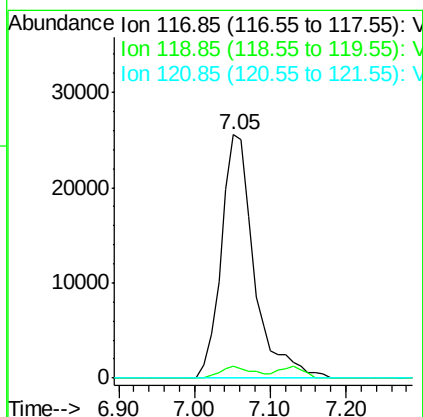
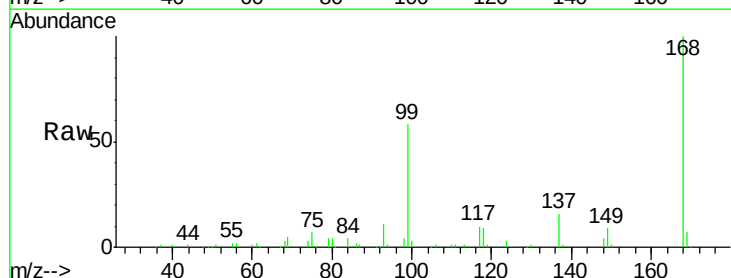
Instrument :
MSVOA_D
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VD0305SBL01

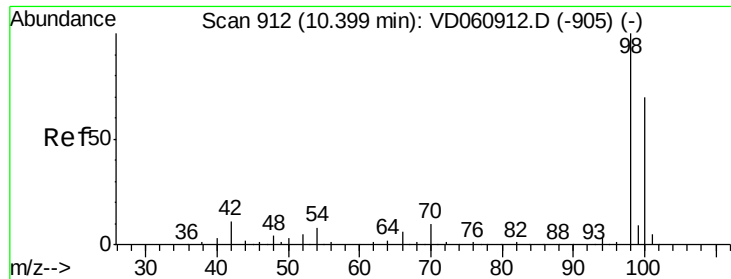
Tot Ion:113 Resp: 488108
Ion Ratio Lower Upper
113 100
111 103.5 82.6 124.0
192 17.4 13.4 20.2



#38
Carbon Tetrachloride
Concen: 5.941 ug/l
RT: 7.05 min Scan# 572
Delta R.T. -0.05 min
Lab File: VD060942.D
Acq: 5 Mar 2019 12:00

Tgt Ion:117 Resp: 76739
Ion Ratio Lower Upper
117 100
119 5.0 76.9 115.3#
121 0.0 24.5 36.7#

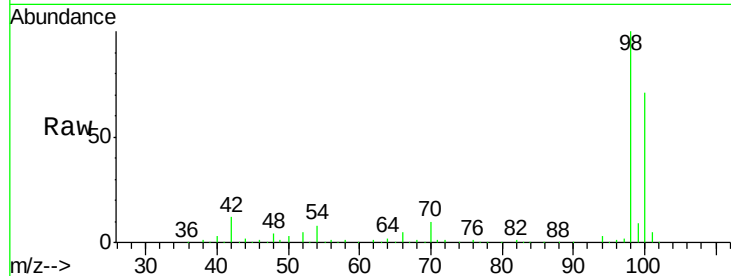




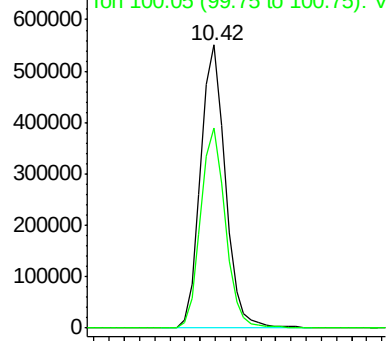
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.02 min
Lab File: VD060942.D
Acq: 5 Mar 2019 12:00

Instrument :
MSVOA_D
ClientSampleId :
VD0305SBL01

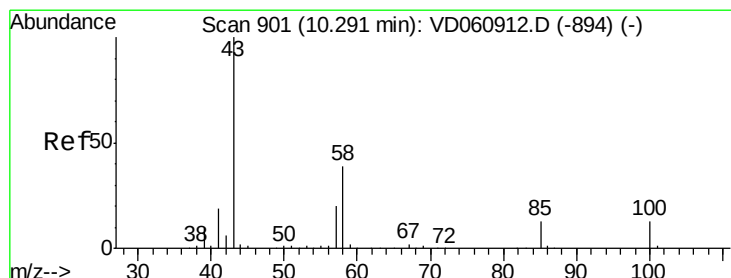
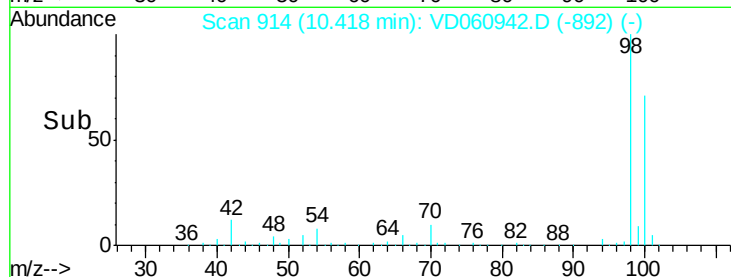
Tot Ion: 98 Resp: 1251745
Ion Ratio Lower Upper
98 100
100 70.8 57.0 85.4



Abundance Ion 98.05 (97.75 to 98.75): VD0
Ion 100.05 (99.75 to 100.75): VD

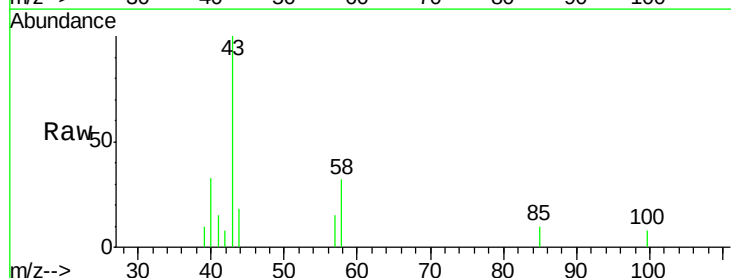


Time-->

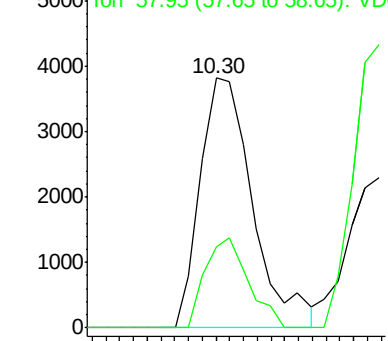


#51
4-Methyl-2-Pentanone
Concen: 1.935 ug/l
RT: 10.30 min Scan# 902
Delta R.T. 0.01 min
Lab File: VD060942.D
Acq: 5 Mar 2019 12:00

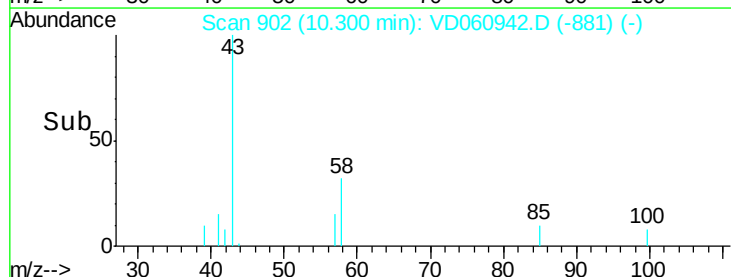
Tgt Ion: 43 Resp: 10152
Ion Ratio Lower Upper
43 100
58 32.3 31.0 46.6

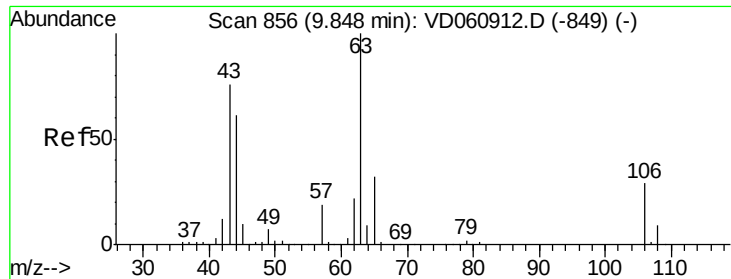


Abundance Ion 42.95 (42.65 to 43.65): VD0
Ion 57.95 (57.65 to 58.65): VD0



Time-->

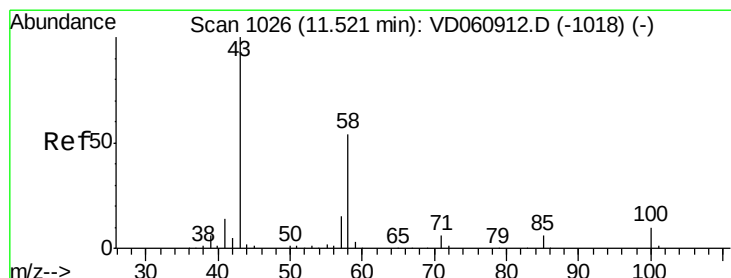
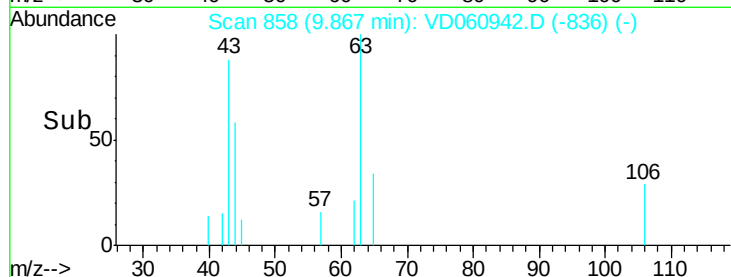
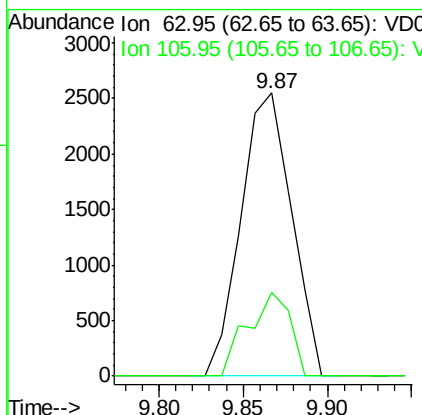
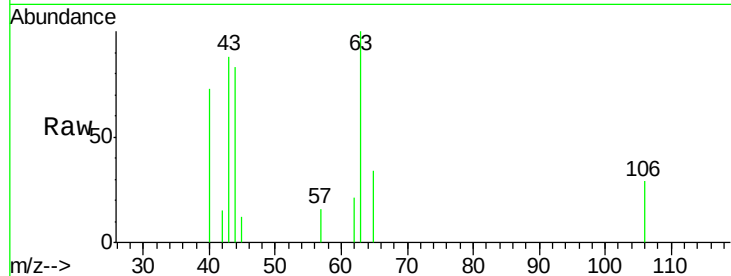




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.443 ug/l
 RT: 9.87 min Scan# 858
 Delta R.T. 0.02 min
 Lab File: VD060942.D
 Acq: 5 Mar 2019 12:00

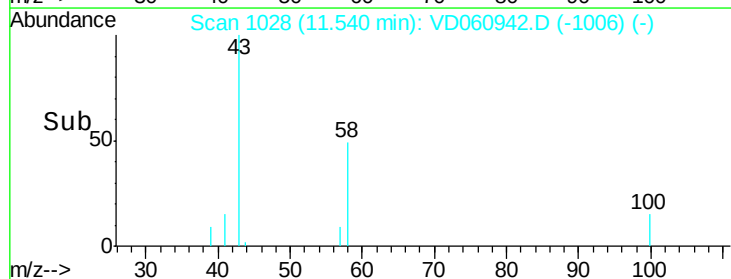
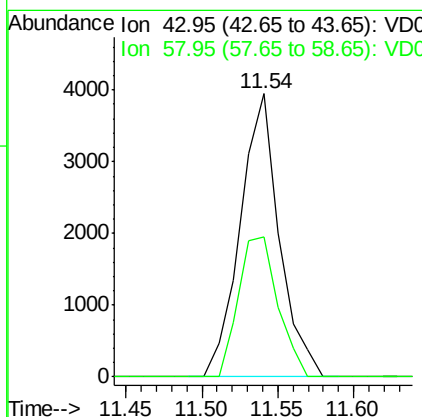
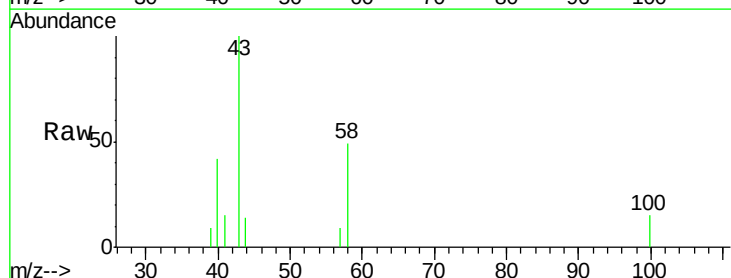
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0305SBL01

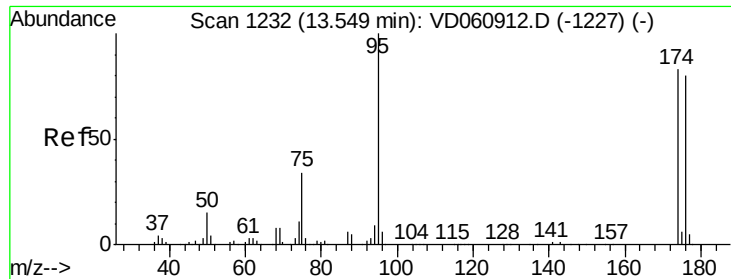
Tot Ion: 63 Resp: 5316
 Ion Ratio Lower Upper
 63 100
 106 29.4 23.0 34.6



#59
 2-Hexanone
 Concen: 1.925 ug/l
 RT: 11.54 min Scan# 1028
 Delta R.T. 0.02 min
 Lab File: VD060942.D
 Acq: 5 Mar 2019 12:00

Tgt Ion: 43 Resp: 7081
 Ion Ratio Lower Upper
 43 100
 58 49.4 27.2 81.5

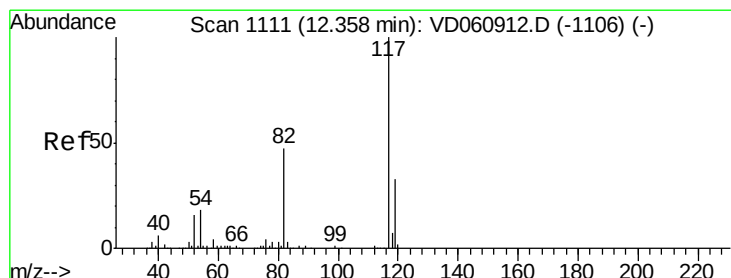
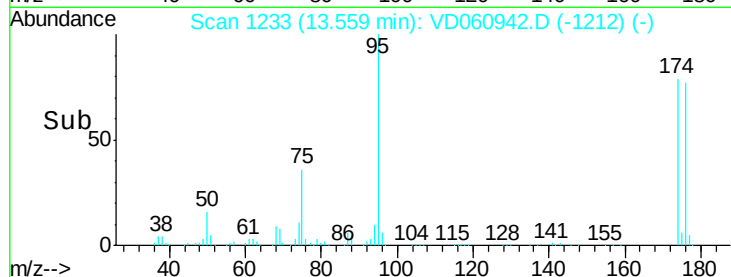
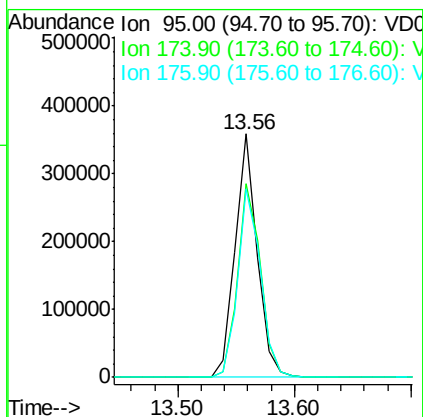
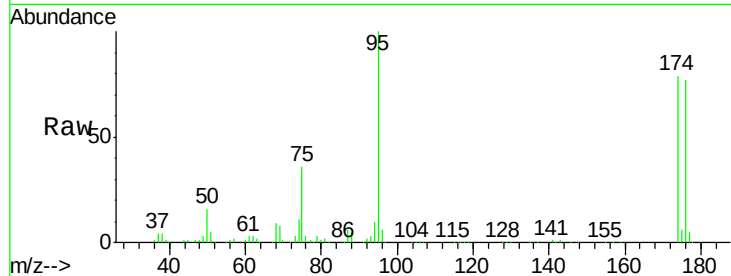




#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD060942.D
Acq: 5 Mar 2019 12:00

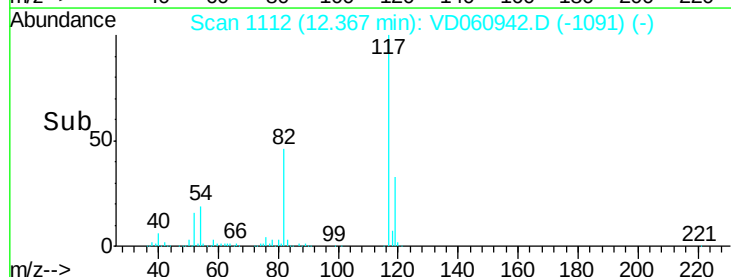
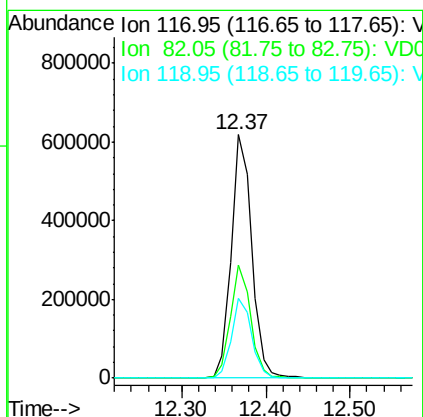
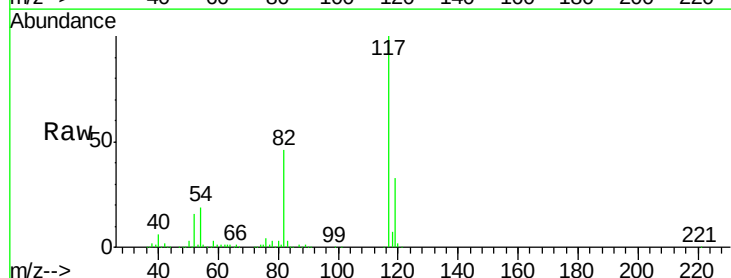
Instrument :
MSVOA_D
ClientSampleId :
VD0305SBL01

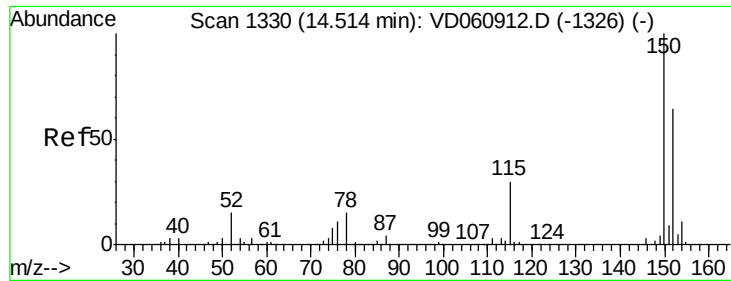
Tot Ion: 95 Resp: 469903
Ion Ratio Lower Upper
95 100
174 79.5 0.0 165.6
176 77.3 0.0 160.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD060942.D
Acq: 5 Mar 2019 12:00

Tgt Ion: 117 Resp: 1048795
Ion Ratio Lower Upper
117 100
82 46.3 37.5 56.3
119 32.8 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD060942.D

Acq: 5 Mar 2019 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD0305SBL01

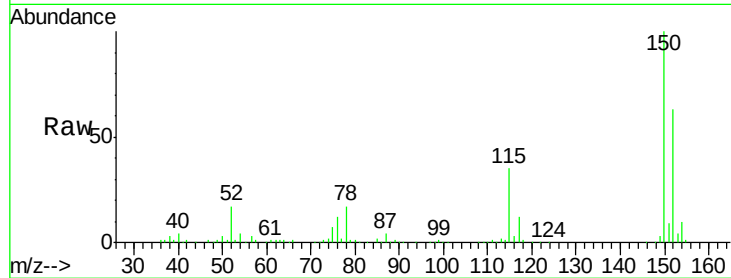
Tot Ion:152 Resp: 456812

Ion Ratio Lower Upper

152 100

115 54.9 27.6 82.8

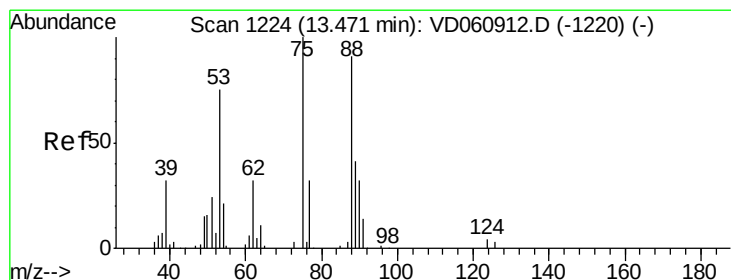
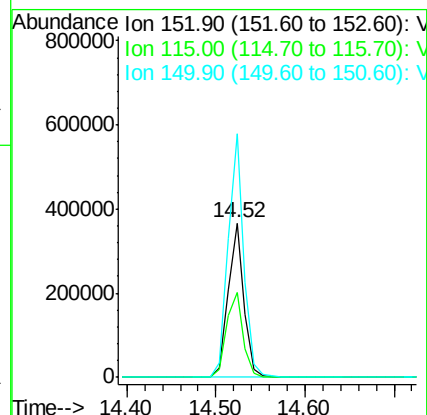
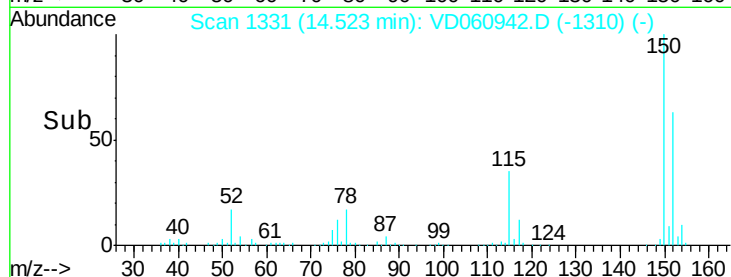
150 158.0 0.0 312.8



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: 76.138 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD060942.D

Acq: 5 Mar 2019 12:00

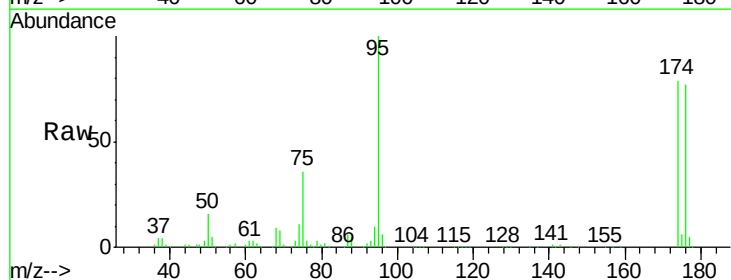
Tgt Ion: 75 Resp: 166782

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

