

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030419\
 Data File : VD060939.D
 Acq On : 4 Mar 2019 22:27
 Operator : VA/AP
 Sample : K1714-12
 Misc : 6.20g/5ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-B-14-18

Quant Time: Mar 05 01:35:35 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

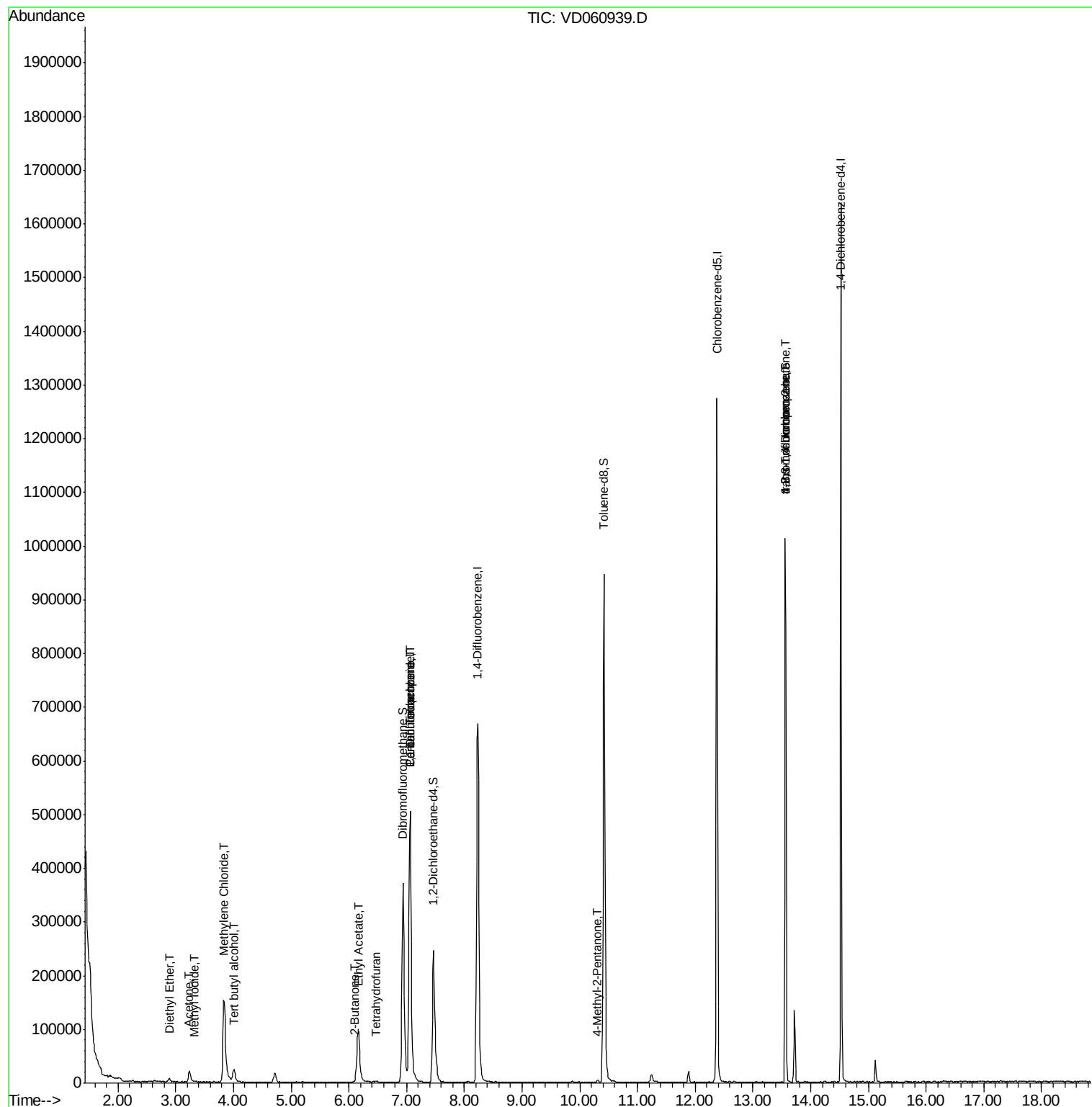
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	517697	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	896677	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.38	117	835880	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	346342	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	227209	53.09	ug/l	0.02
Spiked Amount 50.000			Recovery	=	106.18%	
35) Dibromofluoromethane	6.93	113	355997	49.52	ug/l	0.02
Spiked Amount 50.000			Recovery	=	99.04%	
50) Toluene-d8	10.42	98	820890	45.89	ug/l	0.02
Spiked Amount 50.000			Recovery	=	91.78%	
62) 4-Bromofluorobenzene	13.56	95	339123	50.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.34%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.89	74	2946	1.294	ug/l	85
10) Methyl Iodide	3.33	142	183	4.759	ug/l #	40
11) Tert butyl alcohol	4.01	59	21368	66.990	ug/l #	77
16) Acetone	3.24	43	43310	30.309	ug/l	90
20) Methylene Chloride	3.84	84	124806	15.927	ug/l	95
25) 2-Butanone	6.10	43	1870	1.055	ug/l #	55
29) Tetrahydrofuran	6.48	42	2393	2.623	ug/l #	52
36) 1,1-Dichloropropene	7.05	75	40871	4.957	ug/l #	46
37) Ethyl Acetate	6.17	43	7118	1.680	ug/l #	2
38) Carbon Tetrachloride	7.06	117	50223	5.670	ug/l #	16
51) 4-Methyl-2-Pentanone	10.31	43	3910	1.087	ug/l #	86
76) 1,2,3-Trichloropropane	13.56	75	102902	18.337	ug/l #	45
81) trans-1,4-Dichloro-2-buten	13.56	75	126141	75.952	ug/l #	20
89) n-Butylbenzene	14.81	91	458	Below Cal	#	29

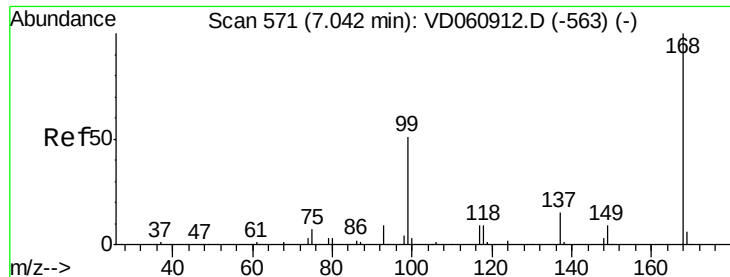
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD030419\
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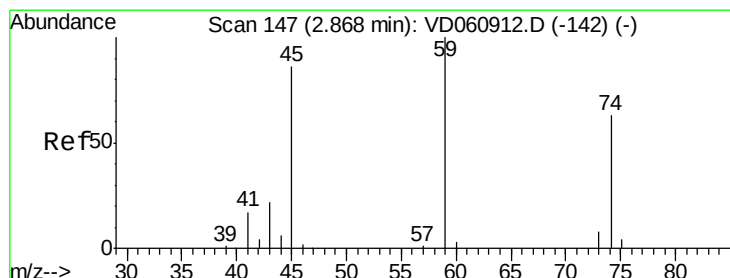
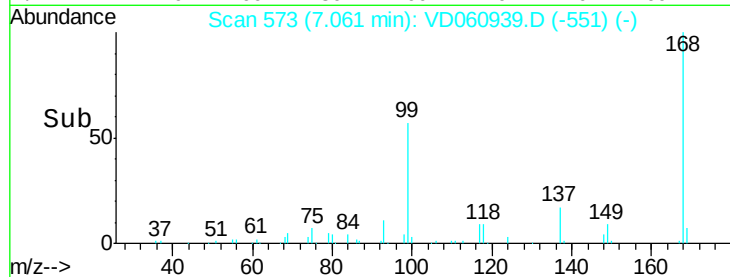
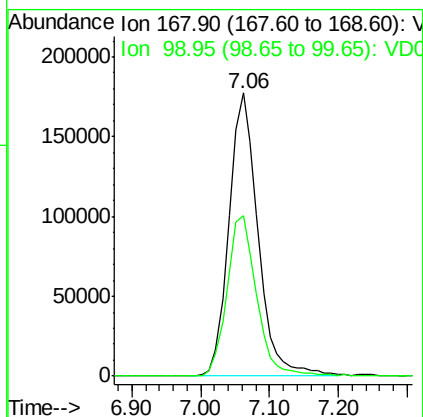
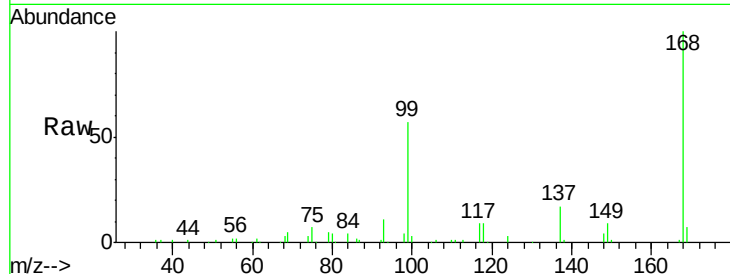




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.06 min Scan# 573
Delta R.T. 0.02 min
Lab File: VD060939.D
Acq: 4 Mar 2019 22:27

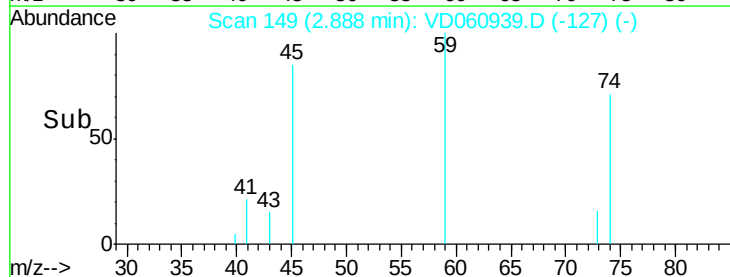
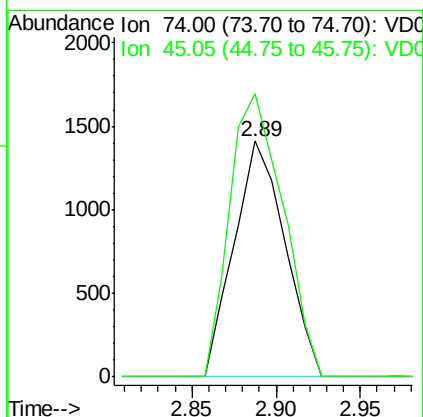
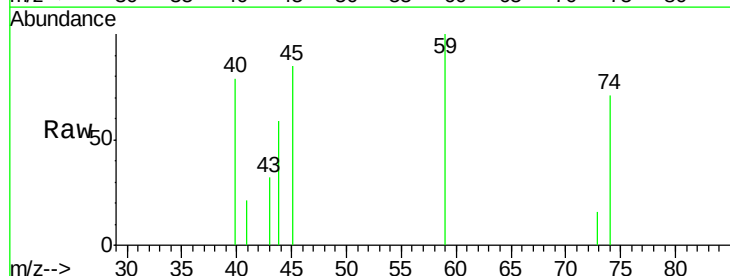
Instrument :
MSVOA_D
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SB-B-14-18

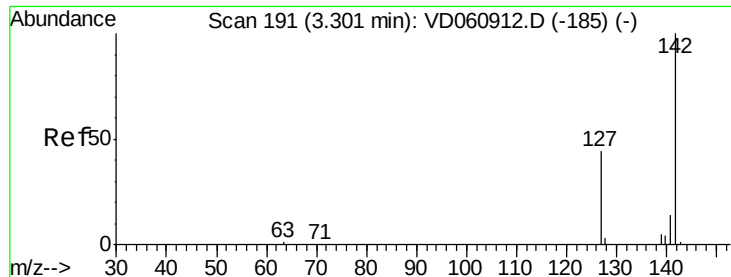
Tot Ion:168 Resp: 517697
Ion Ratio Lower Upper
168 100
99 56.8 41.5 62.3



#8
Diethyl Ether
Concen: 1.294 ug/l
RT: 2.89 min Scan# 149
Delta R.T. 0.02 min
Lab File: VD060939.D
Acq: 4 Mar 2019 22:27

Tgt Ion: 74 Resp: 2946
Ion Ratio Lower Upper
74 100
45 120.0 68.8 206.4

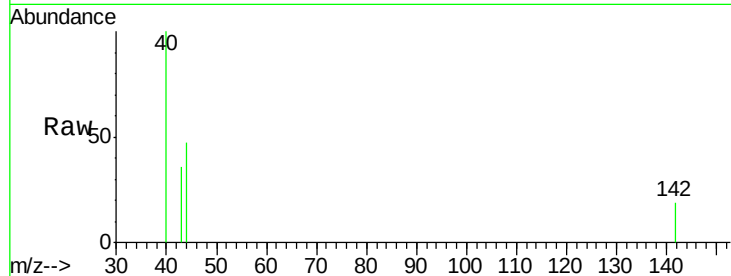




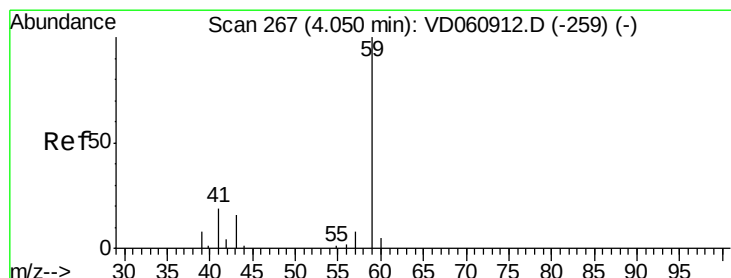
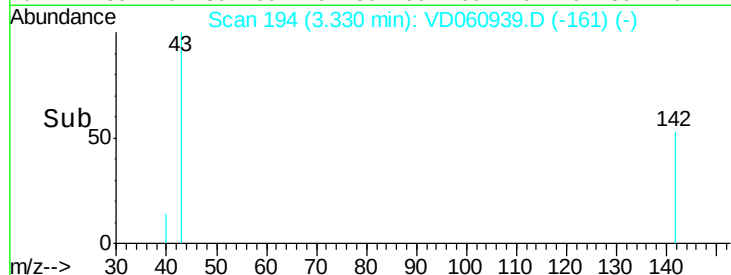
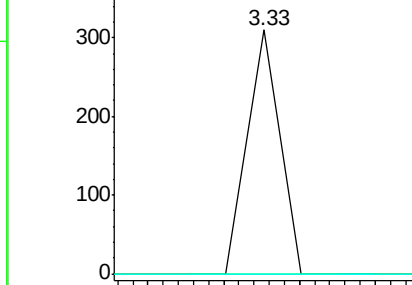
#10
Methyl Iodide
Concen: 4.759 ug/l
RT: 3.33 min Scan# 194
Delta R.T. 0.03 min
Lab File: VD060939.D
Acq: 4 Mar 2019 22:27

Instrument :
MSVOA_D
ClientSampleId :
SB-B-14-18

Tot Ion:142 Resp: 183
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.6#
141 0.0 11.0 16.4#

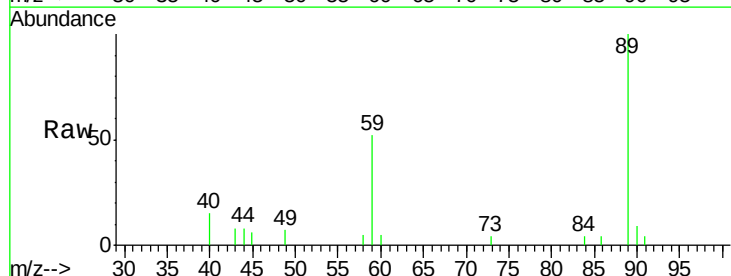


Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V

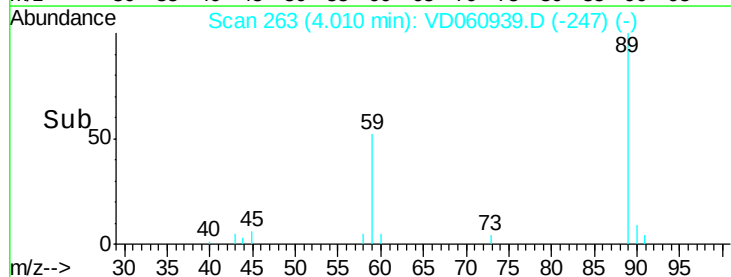
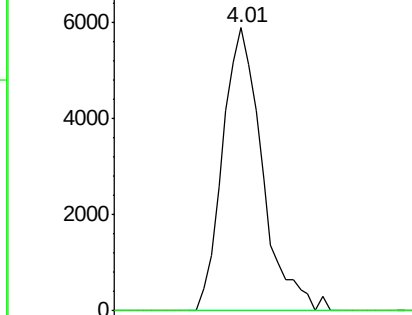


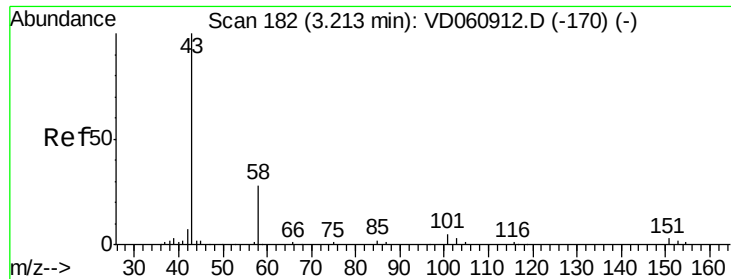
#11
Tert butyl alcohol
Concen: 66.990 ug/l
RT: 4.01 min Scan# 263
Delta R.T. -0.04 min
Lab File: VD060939.D
Acq: 4 Mar 2019 22:27

Tgt Ion: 59 Resp: 21368
Ion Ratio Lower Upper
59 100
57 0.0 6.5 9.7#



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





#16

Acetone

Concen: 30.309 ug/l

RT: 3.24 min Scan# 185

Delta R.T. 0.03 min

Lab File: VD060939.D

Acq: 4 Mar 2019 22:27

Instrument :

MSVOA_D

ClientSampleId :

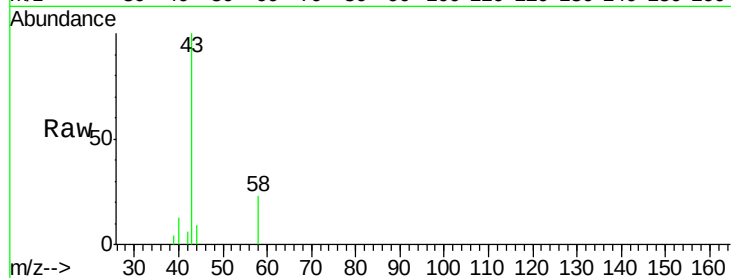
SB-B-14-18

Tot Ion: 43 Resp: 43310

Ion Ratio Lower Upper

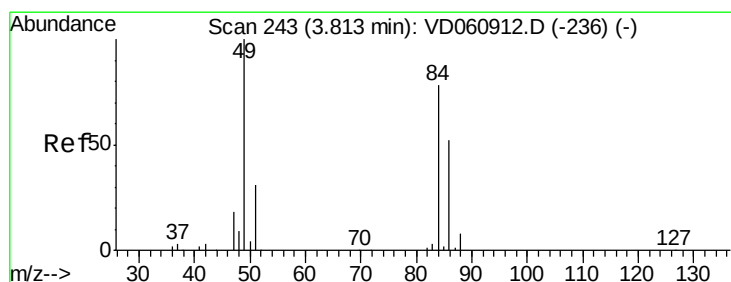
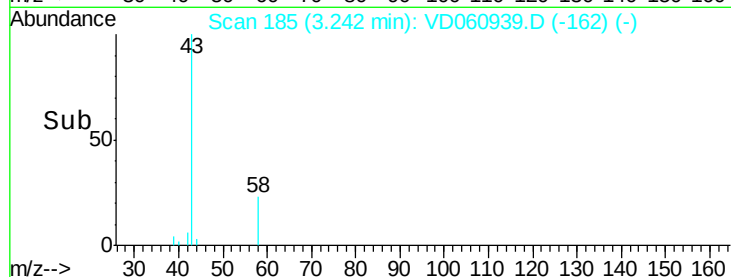
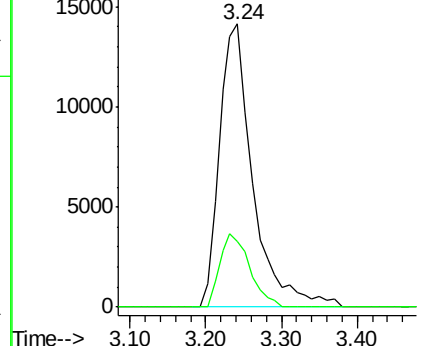
43 100

58 23.1 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: 15.927 ug/l

RT: 3.84 min Scan# 246

Delta R.T. 0.03 min

Lab File: VD060939.D

Acq: 4 Mar 2019 22:27

Tgt Ion: 84 Resp: 124806

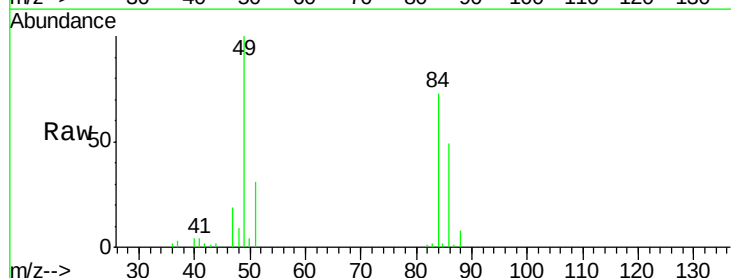
Ion Ratio Lower Upper

84 100

49 136.3 102.4 153.6

51 41.8 31.9 47.9

86 66.6 53.1 79.7

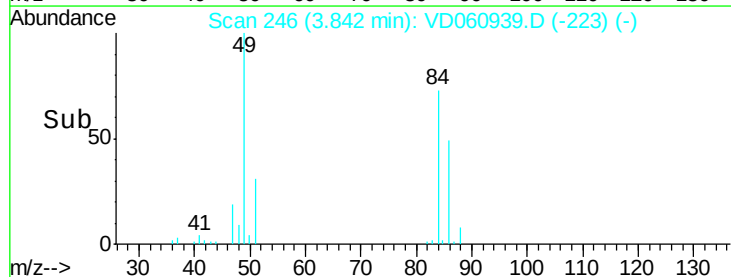
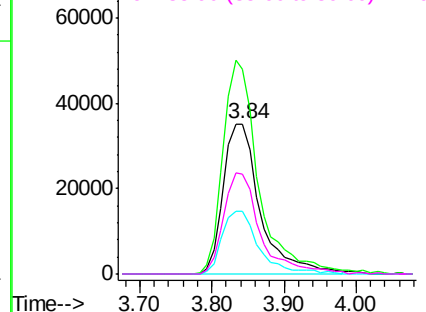


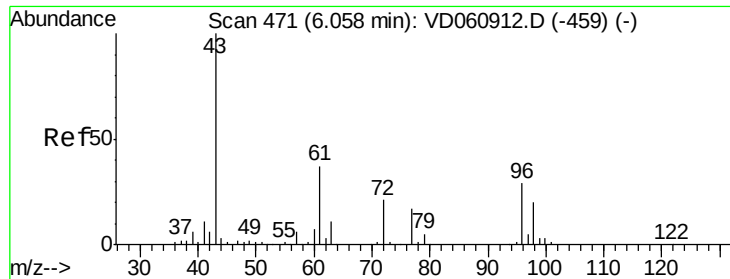
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#25

2-Butanone

Concen: 1.055 ug/l

RT: 6.10 min Scan# 475

Delta R.T. 0.04 min

Lab File: VD060939.D

Acq: 4 Mar 2019 22:27

Instrument :

MSVOA_D

ClientSampleId :

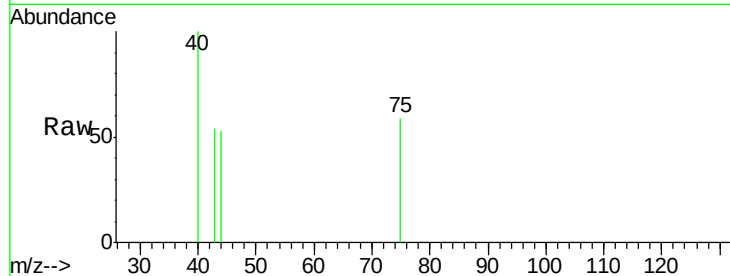
SB-B-14-18

Tot Ion: 43 Resp: 1870

Ion Ratio Lower Upper

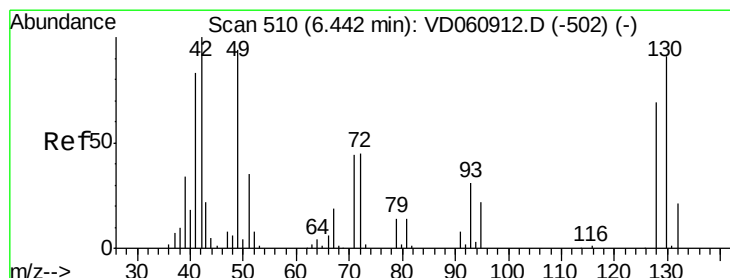
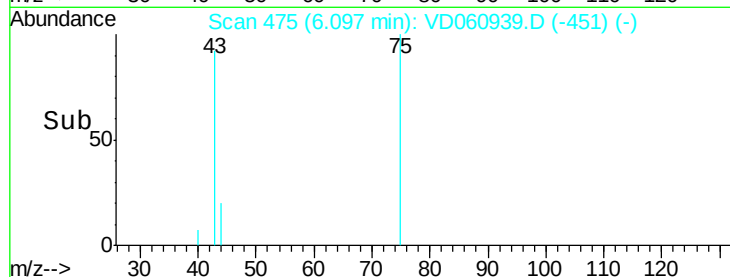
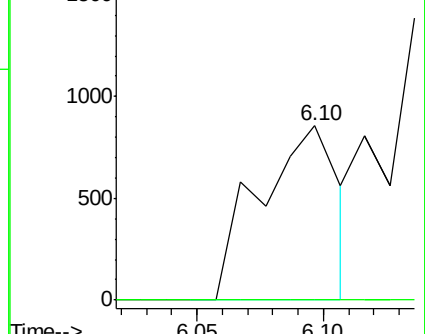
43 100

72 0.0 17.0 25.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 2.623 ug/l

RT: 6.48 min Scan# 514

Delta R.T. 0.04 min

Lab File: VD060939.D

Acq: 4 Mar 2019 22:27

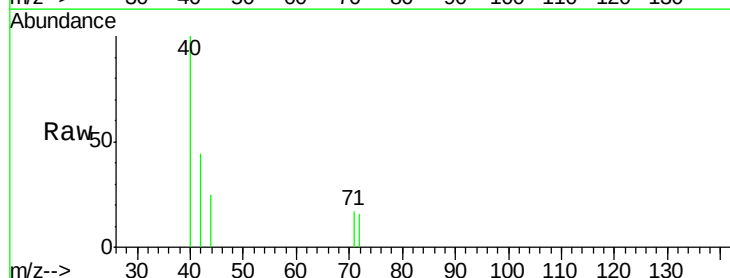
Tgt Ion: 42 Resp: 2393

Ion Ratio Lower Upper

42 100

72 7.4 33.8 50.6#

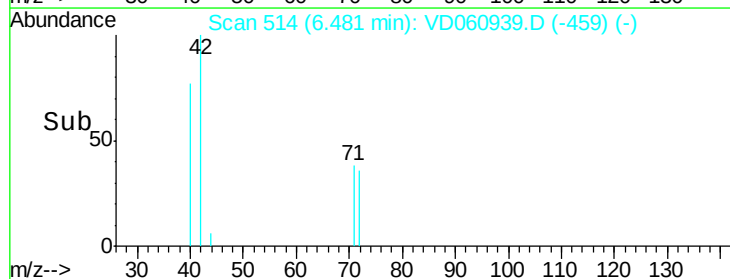
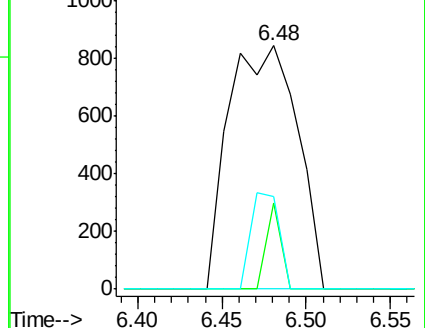
71 16.3 33.5 50.3#

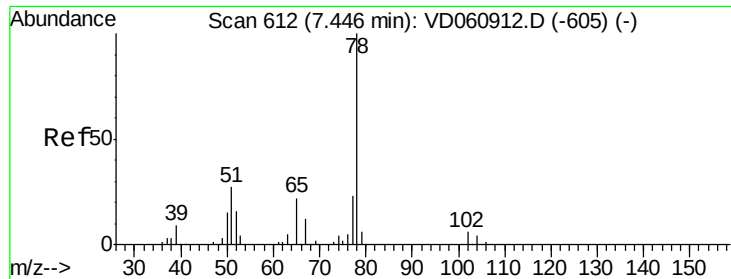


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

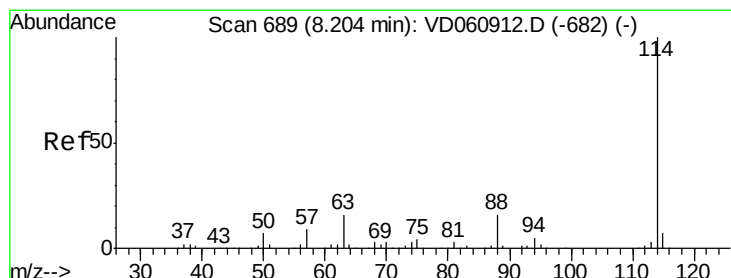
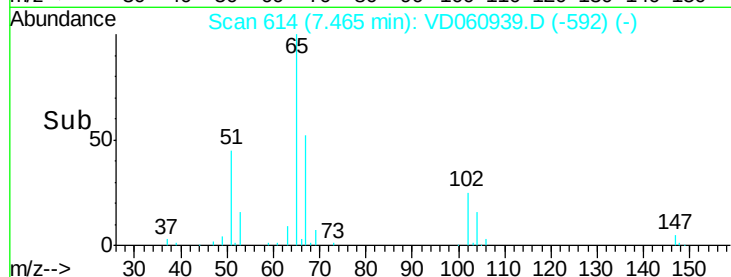
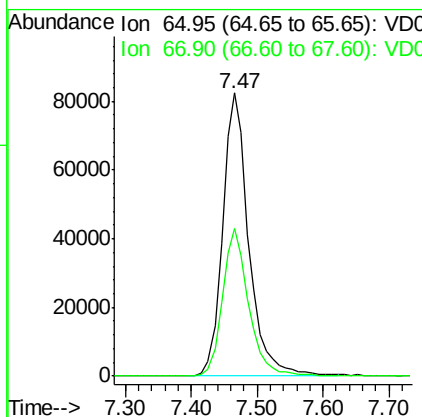
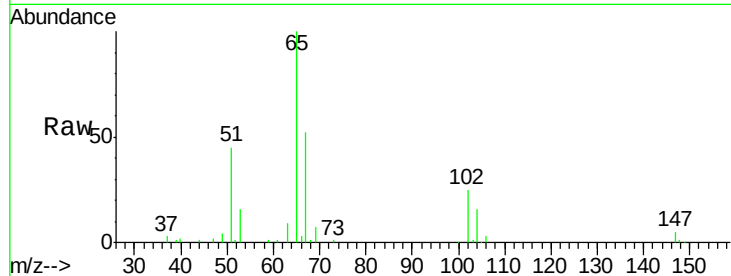




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.47 min Scan# 614
 Delta R.T. 0.02 min
 Lab File: VD060939.D
 Acq: 4 Mar 2019 22:27

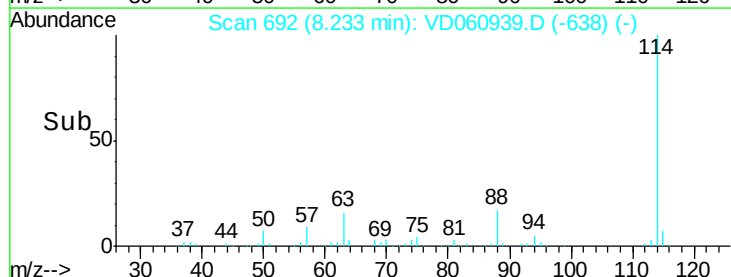
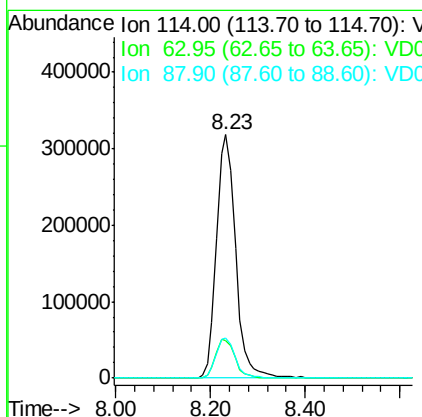
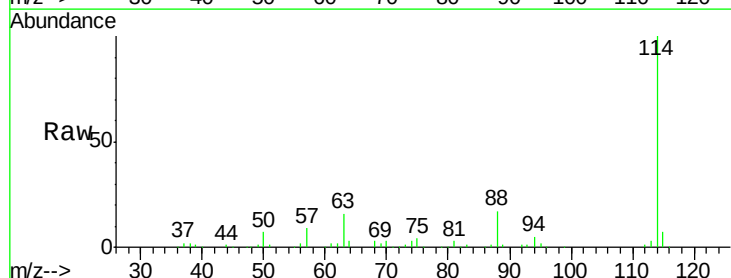
Instrument :
 MSVOA_D
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 SB-B-14-18

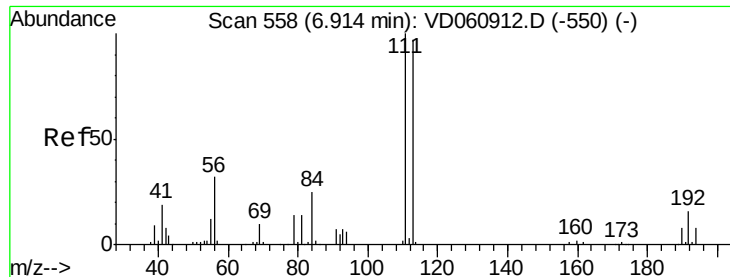
Tot Ion: 65 Resp: 227209
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 692
 Delta R.T. 0.03 min
 Lab File: VD060939.D
 Acq: 4 Mar 2019 22:27

Tgt Ion: 114 Resp: 896677
 Ion Ratio Lower Upper
 114 100
 63 15.6 0.0 32.0
 88 16.6 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: VD060939.D

Acq: 4 Mar 2019 22:27

Instrument :

MSVOA_D

ClientSampleId :

SB-B-14-18

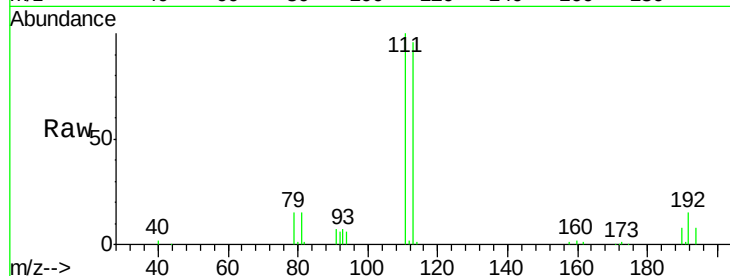
Tot Ion:113 Resp: 355997

Ion Ratio Lower Upper

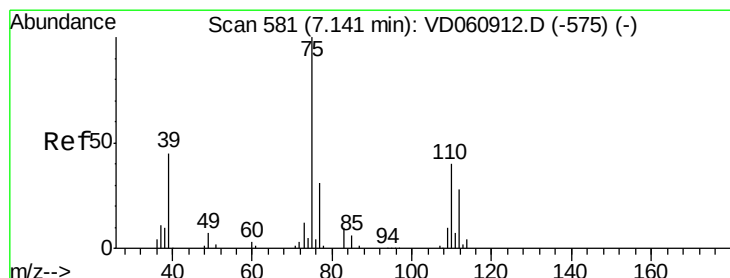
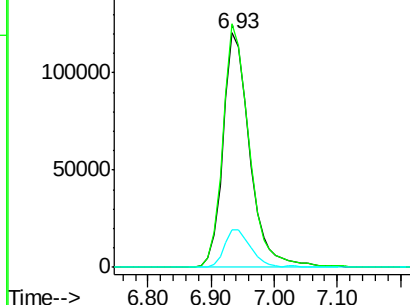
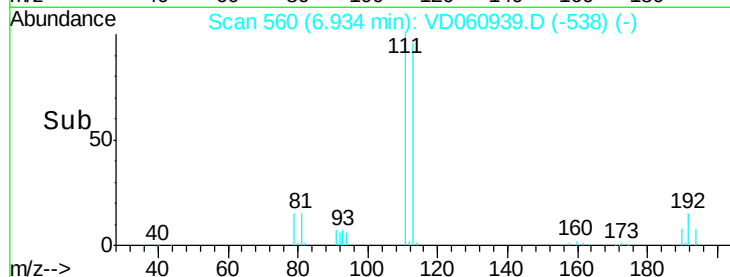
113 100

111 104.0 82.6 124.0

192 15.8 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: 4.957 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.09 min

Lab File: VD060939.D

Acq: 4 Mar 2019 22:27

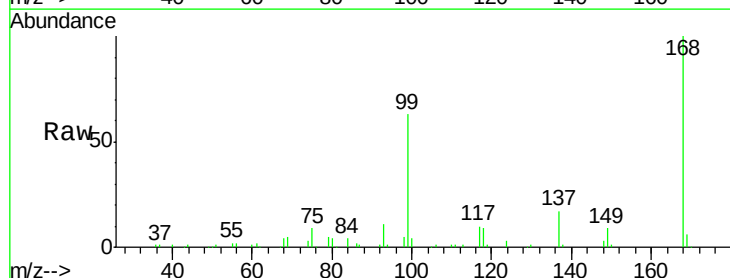
Tgt Ion: 75 Resp: 40871

Ion Ratio Lower Upper

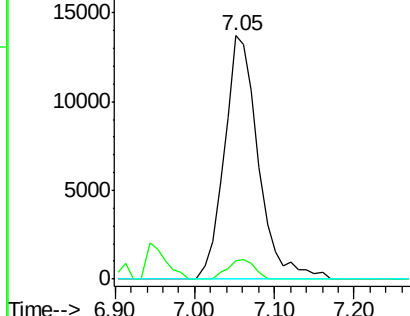
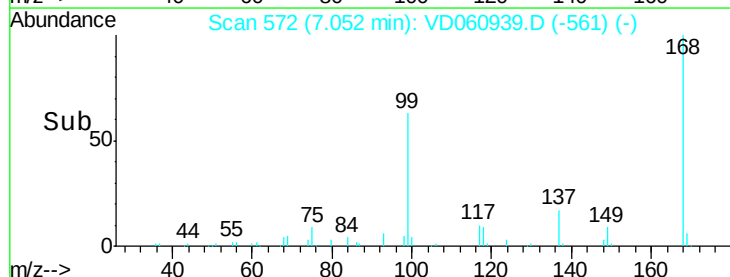
75 100

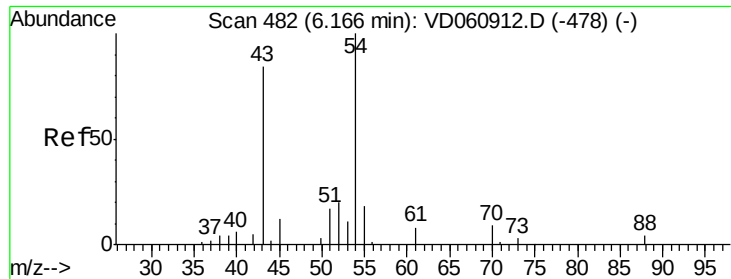
110 7.7 19.9 59.7#

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





#37

Ethyl Acetate

Concen: 1.680 ug/l

RT: 6.17 min Scan# 482

Delta R.T. -0.00 min

Lab File: VD060939.D

Acq: 4 Mar 2019 22:27

Instrument :

MSVOA_D

ClientSampleId :

SB-B-14-18

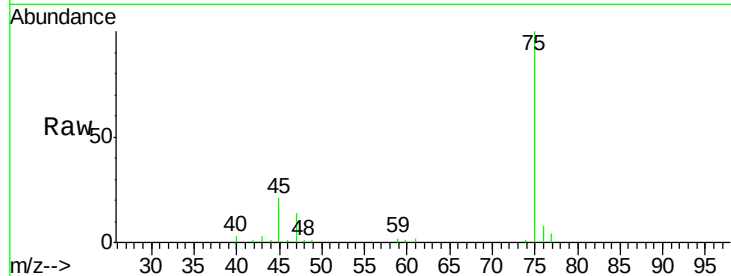
Tot Ion: 43 Resp: 7118

Ion Ratio Lower Upper

43 100

61 74.3 12.1 18.1#

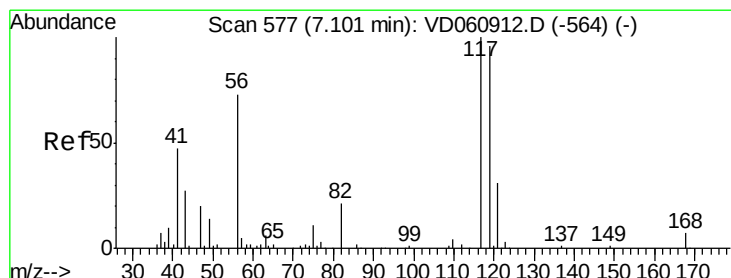
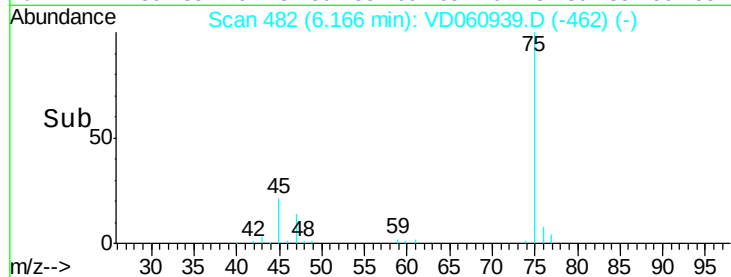
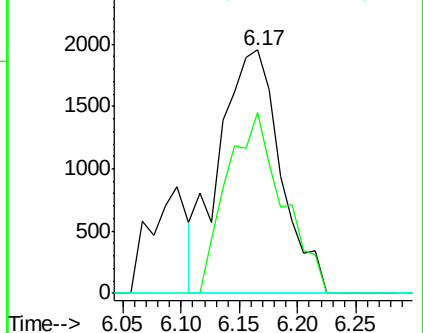
70 0.0 7.3 10.9#



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: 5.670 ug/l

RT: 7.06 min Scan# 573

Delta R.T. -0.04 min

Lab File: VD060939.D

Acq: 4 Mar 2019 22:27

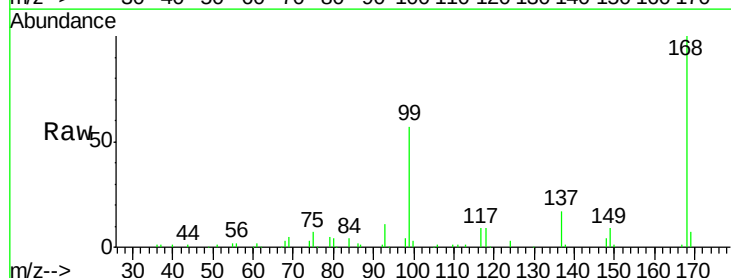
Tgt Ion: 117 Resp: 50223

Ion Ratio Lower Upper

117 100

119 5.4 76.9 115.3#

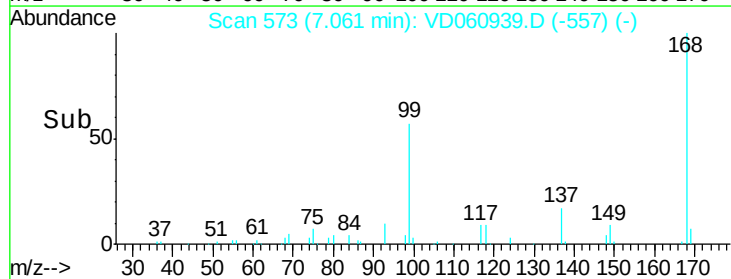
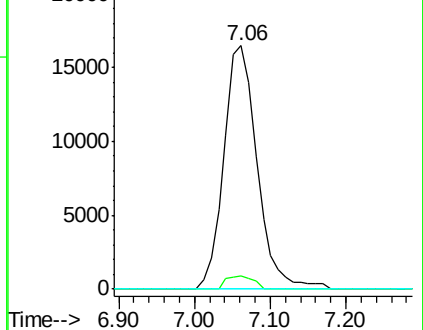
121 0.0 24.5 36.7#

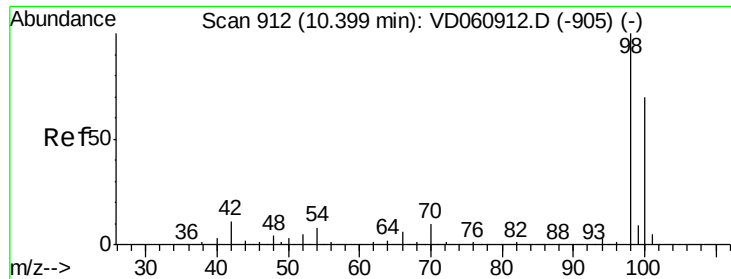


Abundance Ion 116.85 (116.55 to 117.55): V

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: 10.42 min Scan# 914

Delta R.T. 0.02 min

Lab File: VD060939.D

Acq: 4 Mar 2019 22:27

Instrument :

MSVOA_D

ClientSampleId :

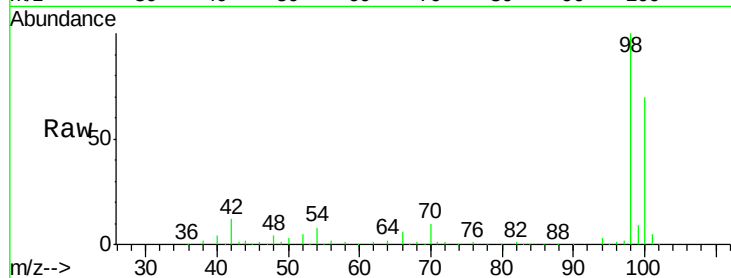
SB-B-14-18

Tot Ion: 98 Resp: 820890

Ion Ratio Lower Upper

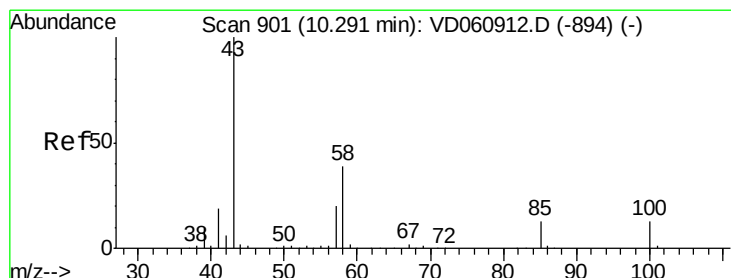
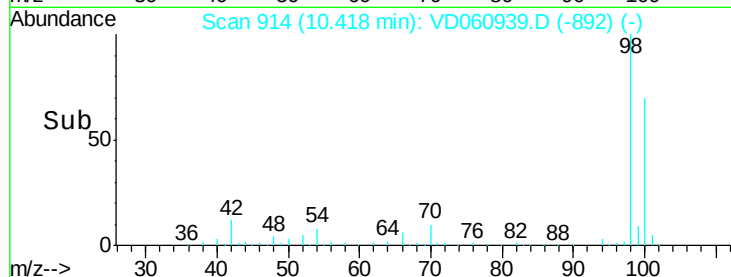
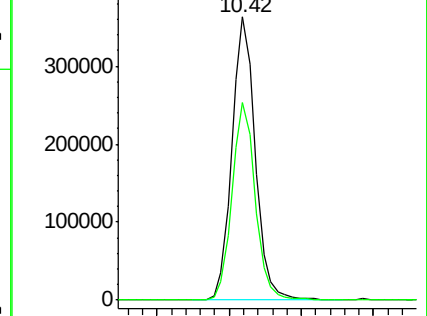
98 100

100 69.9 57.0 85.4



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



#51

4-Methyl-2-Pentanone

Concen: 1.087 ug/l

RT: 10.31 min Scan# 903

Delta R.T. 0.02 min

Lab File: VD060939.D

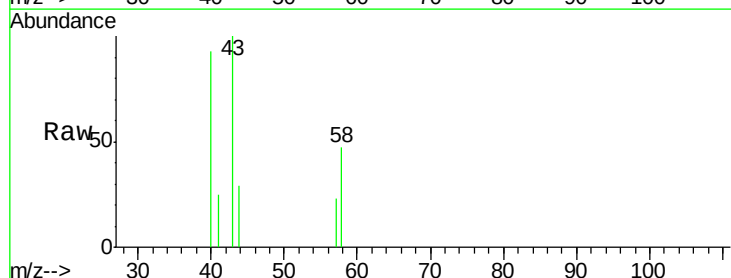
Acq: 4 Mar 2019 22:27

Tgt Ion: 43 Resp: 3910

Ion Ratio Lower Upper

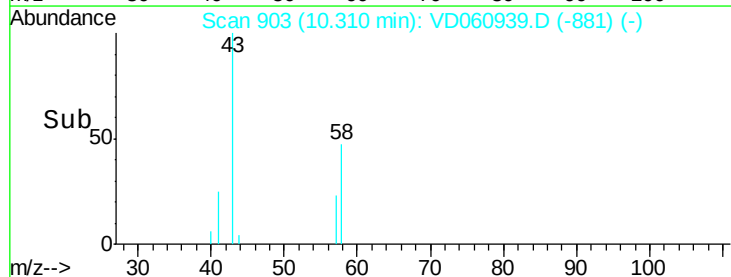
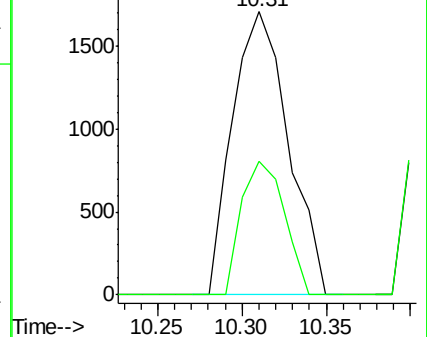
43 100

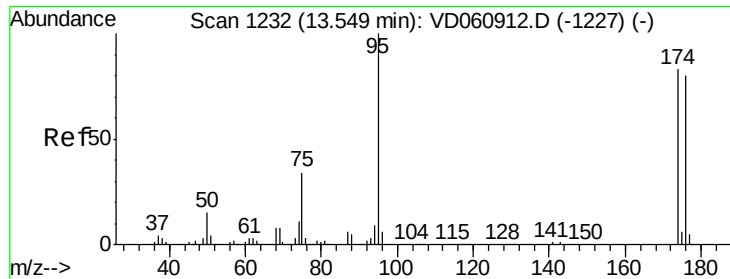
58 47.2 31.0 46.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

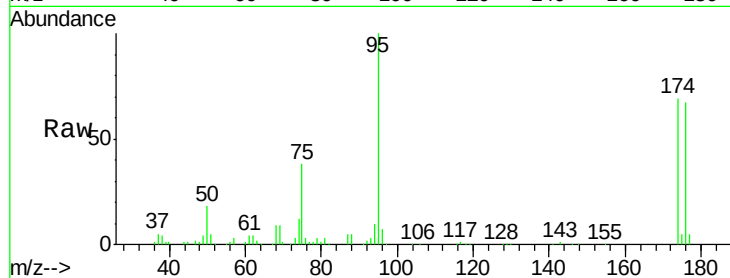




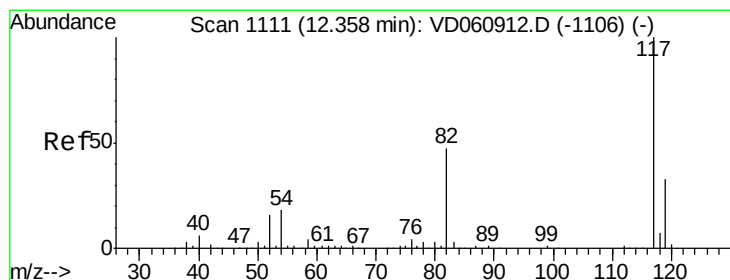
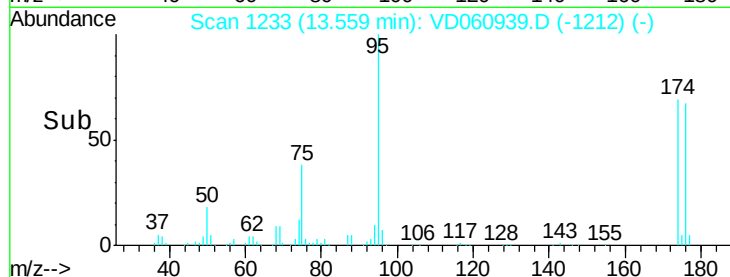
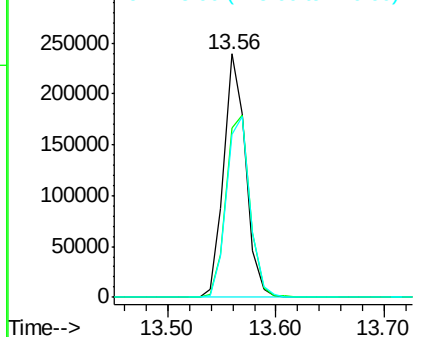
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD060939.D
Acq: 4 Mar 2019 22:27

Instrument :
MSVOA_D
ClientSampleId :
SB-B-14-18

Tot Ion: 95 Resp: 339123
Ion Ratio Lower Upper
95 100
174 69.3 0.0 165.6
176 67.0 0.0 160.6

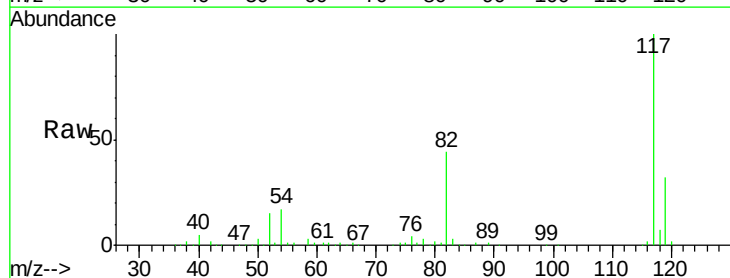


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

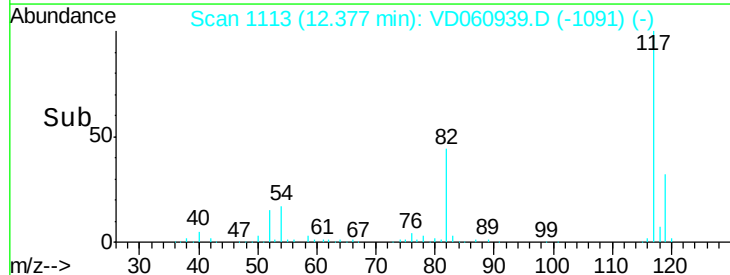
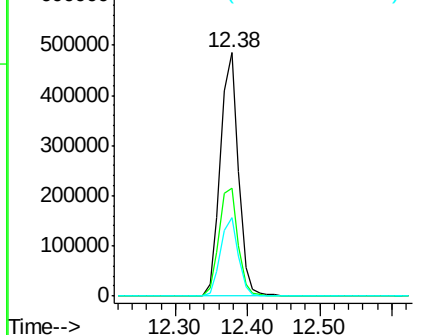


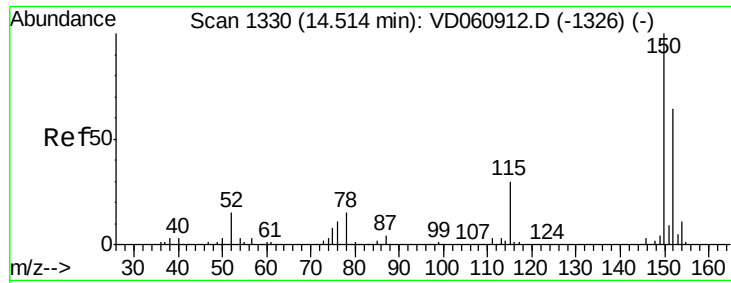
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD060939.D
Acq: 4 Mar 2019 22:27

Tgt Ion: 117 Resp: 835880
Ion Ratio Lower Upper
117 100
82 44.3 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



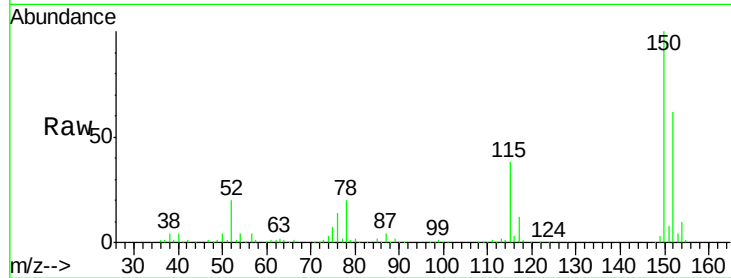


#72

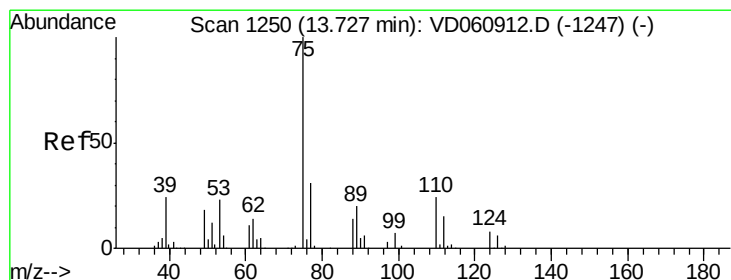
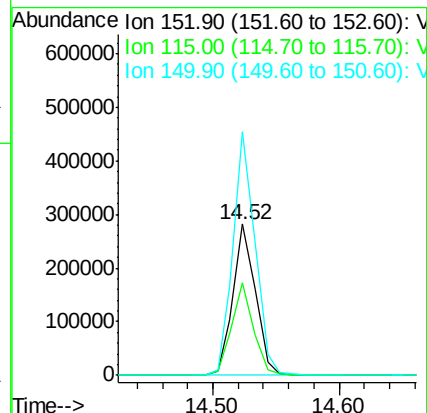
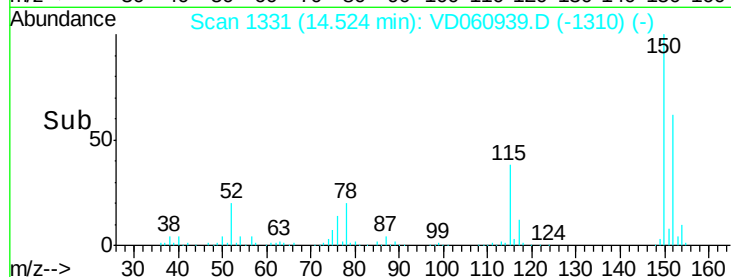
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD060939.D
Acq: 4 Mar 2019 22:27

Instrument :
MSVOA_D
ClientSampleId :
SB-B-14-18

Tot Ion:152 Resp: 346342
Ion Ratio Lower Upper
152 100
115 60.9 27.6 82.8
150 160.8 0.0 312.8



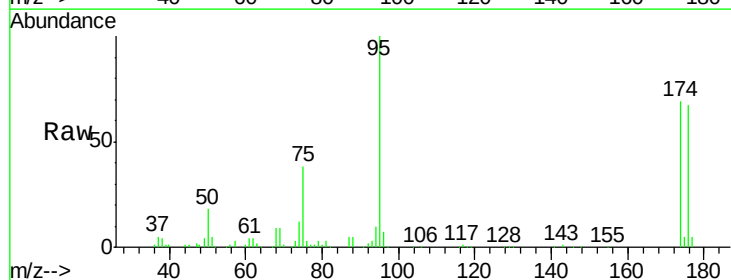
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



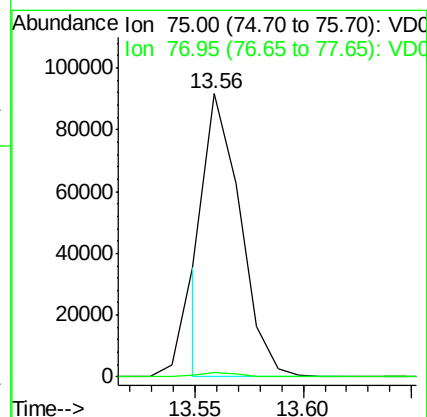
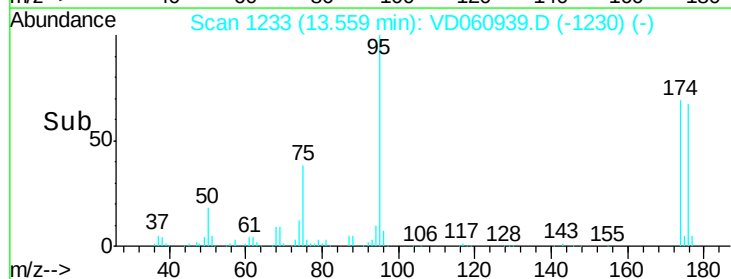
#76

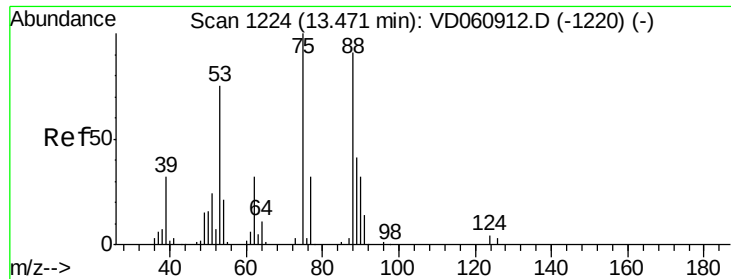
1,2,3-Trichloropropane
Concen: 18.337 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. -0.17 min
Lab File: VD060939.D
Acq: 4 Mar 2019 22:27

Tgt Ion: 75 Resp: 102902
Ion Ratio Lower Upper
75 100
77 1.6 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: 75.952 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD060939.D

Acq: 4 Mar 2019 22:27

Instrument :

MSVOA_D

ClientSampleId :

SB-B-14-18

Tot Ion: 75 Resp: 126141

Ion Ratio Lower Upper

75 100

53 0.0 59.8 89.6#

89 0.0 33.0 49.6#

