

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030419\
 Data File : VD060938.D
 Acq On : 4 Mar 2019 21:59
 Operator : VA/AP
 Sample : K1714-11
 Misc : 6.63g/5ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

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

Quant Time: Mar 05 01:35:23 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

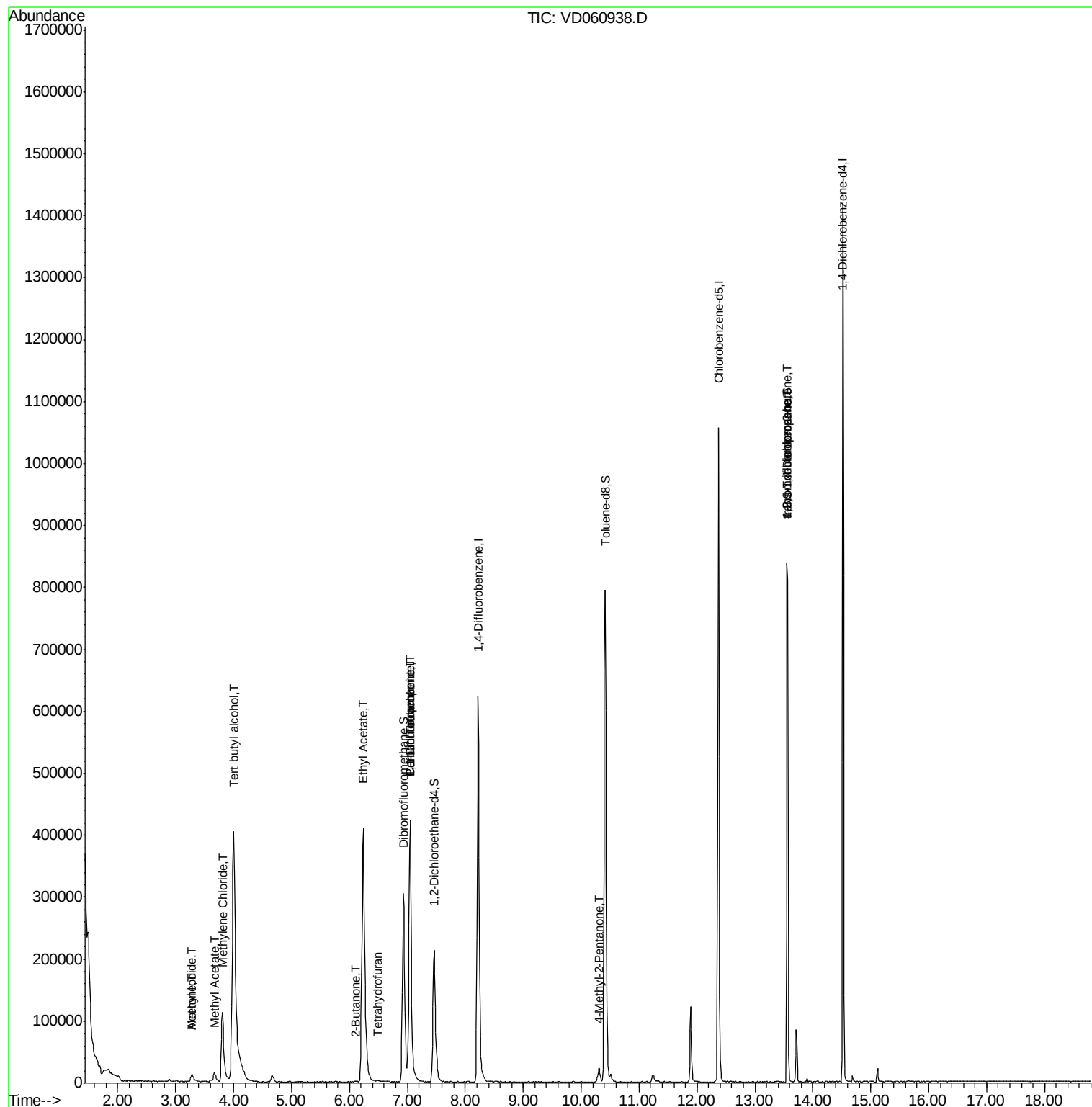
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	433986	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	779415	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.37	117	697559	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	308217	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	189730	52.88	ug/l	0.01
Spiked Amount 50.000			Recovery	=	105.76%	
35) Dibromofluoromethane	6.93	113	305277	48.86	ug/l	0.01
Spiked Amount 50.000			Recovery	=	97.72%	
50) Toluene-d8	10.41	98	716486	46.08	ug/l	0.01
Spiked Amount 50.000			Recovery	=	92.16%	
62) 4-Bromofluorobenzene	13.55	95	291567	49.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.24%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	3.29	142	3256	5.092	ug/l #	88
11) Tert butyl alcohol	4.00	59	476484	1781.938	ug/l #	81
16) Acetone	3.28	43	28427	23.731	ug/l	96
18) Methyl Acetate	3.67	43	32260	13.152	ug/l	96
20) Methylene Chloride	3.81	84	89762	13.108	ug/l	97
25) 2-Butanone	6.11	43	2576	1.734	ug/l #	55
29) Tetrahydrofuran	6.48	42	2211	2.891	ug/l #	48
36) 1,1-Dichloropropene	7.05	75	32971	4.601	ug/l #	45
37) Ethyl Acetate	6.24	43	26170	7.104	ug/l #	1
38) Carbon Tetrachloride	7.05	117	41459	5.385	ug/l #	15
51) 4-Methyl-2-Pentanone	10.31	43	21081	6.741	ug/l	98
76) 1,2,3-Trichloropropane	13.55	75	91401	18.302	ug/l #	45
81) trans-1,4-Dichloro-2-buten	13.55	75	108430	73.364	ug/l #	20
89) n-Butylbenzene	14.80	91	551	Below Cal	#	80

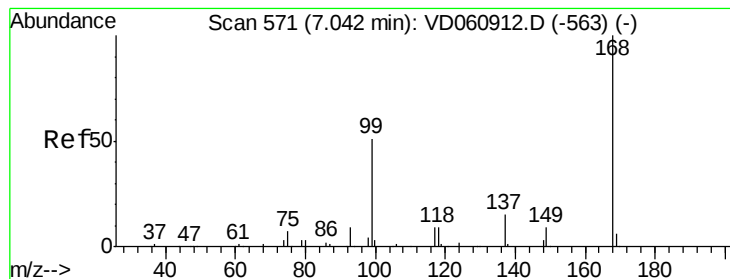
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD030419\
Data File : VD060938.D
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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: 7.05 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD060938.D

Acq: 4 Mar 2019 21:59

Instrument :

MSVOA_D

ClientSampleId :

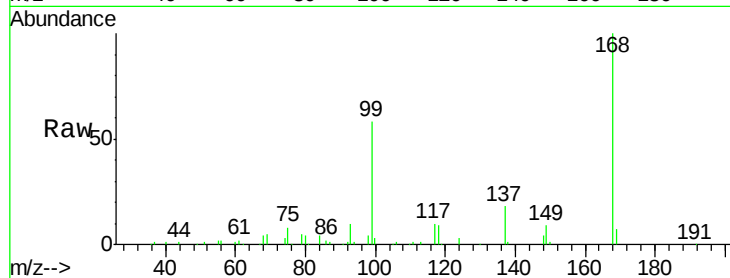
SB-B-11-14

Tot Ion:168 Resp: 433986

Ion Ratio Lower Upper

168 100

99 57.5 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

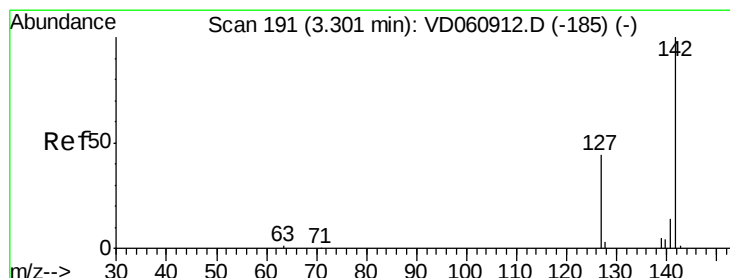
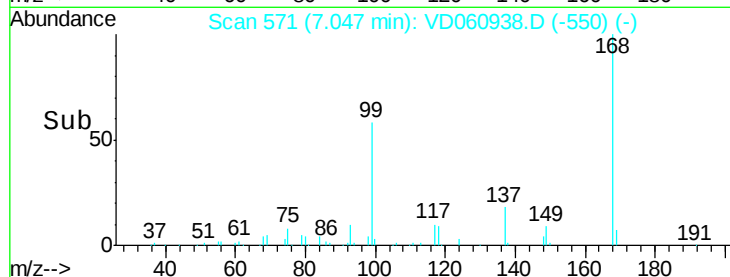
150000

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 5.092 ug/l

RT: 3.29 min Scan# 189

Delta R.T. -0.01 min

Lab File: VD060938.D

Acq: 4 Mar 2019 21:59

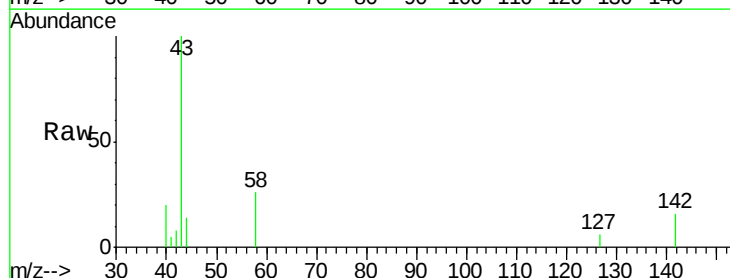
Tgt Ion:142 Resp: 3256

Ion Ratio Lower Upper

142 100

127 40.7 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

3.29

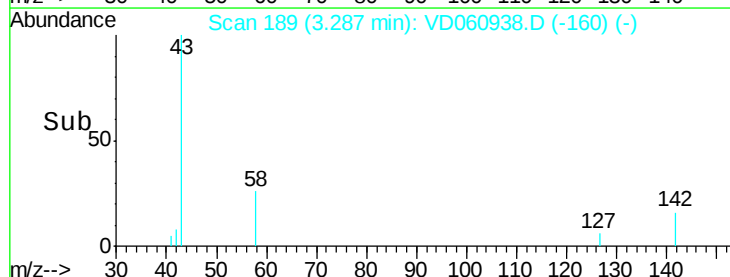
1500

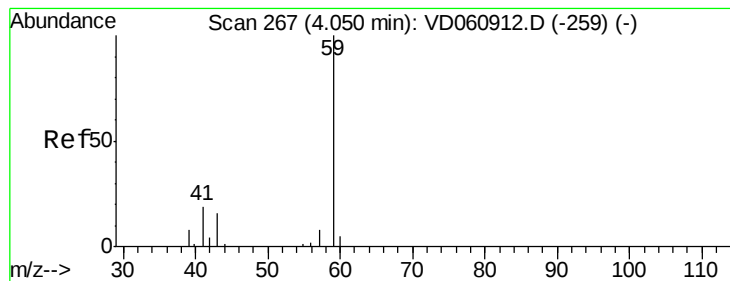
1000

500

0

Time-->



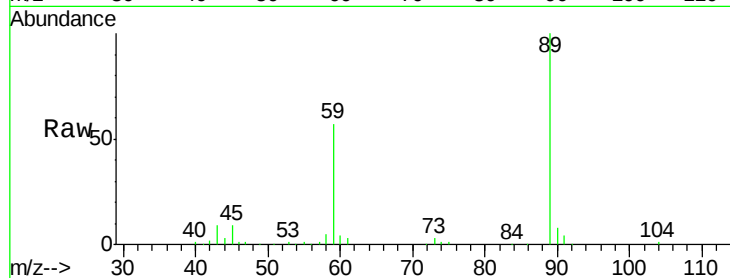


#11

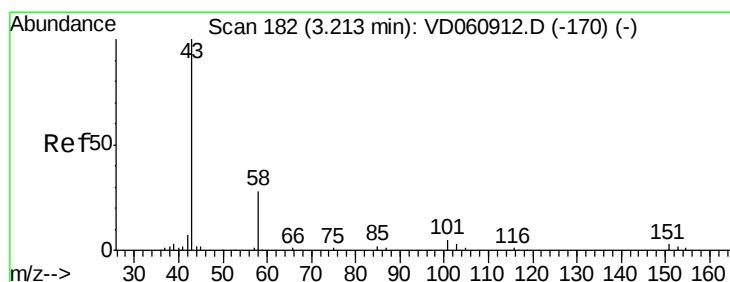
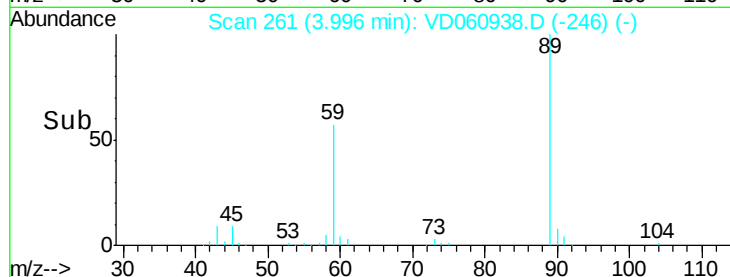
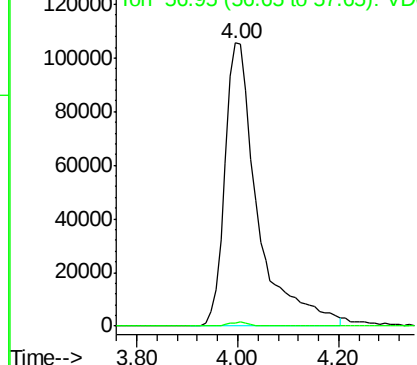
Tert butyl alcohol
 Concen: 1781.938 ug/l
 RT: 4.00 min Scan# 261
 Delta R.T. -0.05 min
 Lab File: VD060938.D
 Acq: 4 Mar 2019 21:59

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

Tot Ion: 59 Resp: 476484
 Ion Ratio Lower Upper
 59 100
 57 1.3 6.5 9.7#



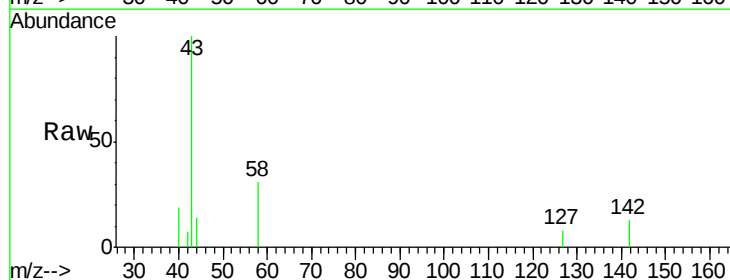
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



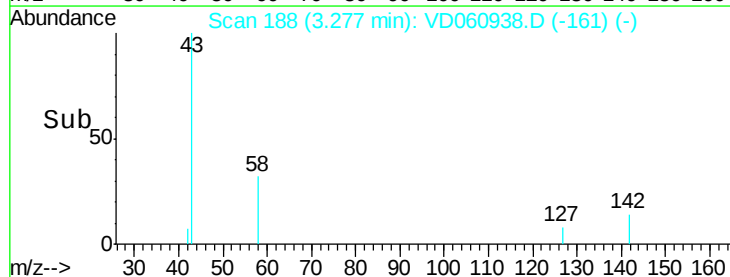
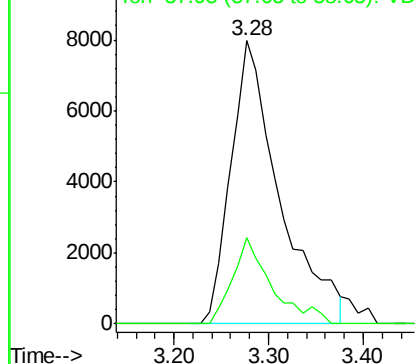
#16

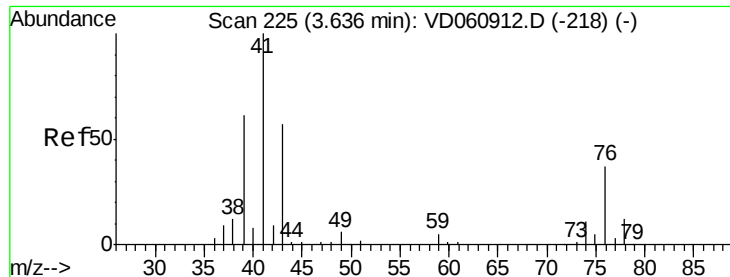
Acetone
 Concen: 23.731 ug/l
 RT: 3.28 min Scan# 188
 Delta R.T. 0.06 min
 Lab File: VD060938.D
 Acq: 4 Mar 2019 21:59

Tgt Ion: 43 Resp: 28427
 Ion Ratio Lower Upper
 43 100
 58 30.6 22.8 34.2



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

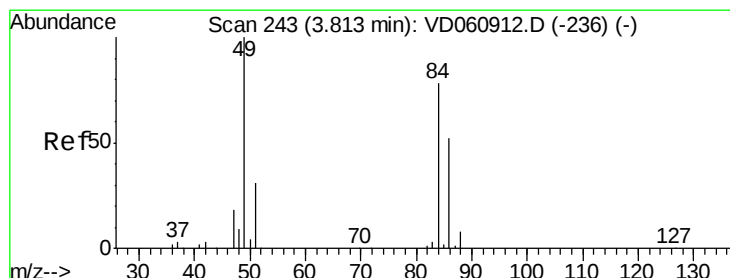
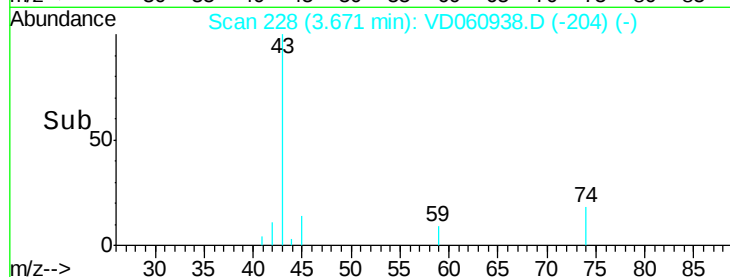
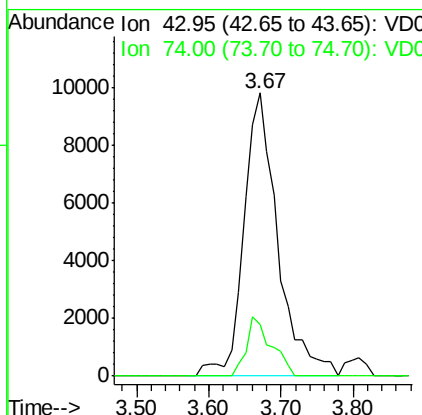
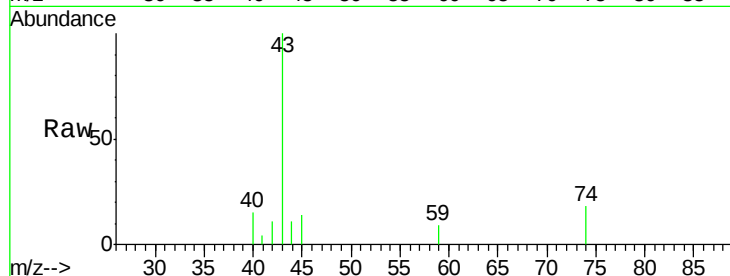




#18
Methyl Acetate
Concen: 13.152 ug/l
RT: 3.67 min Scan# 228
Delta R.T. 0.03 min
Lab File: VD060938.D
Acq: 4 Mar 2019 21:59

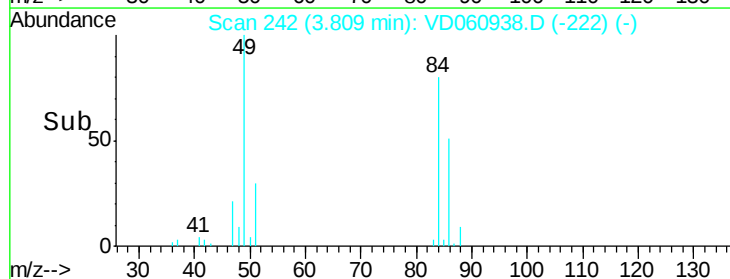
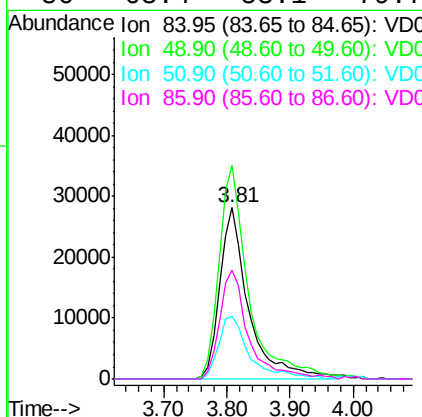
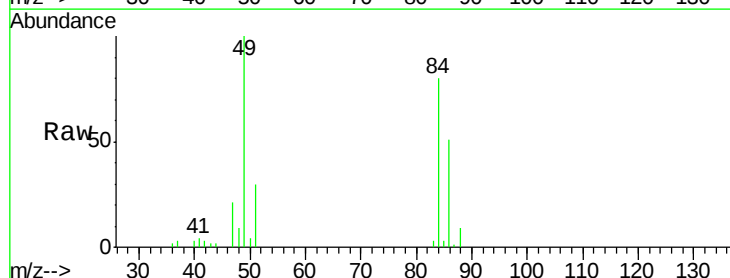
Instrument :
MSVOA_D
ClientSampled :
SB-B-11-14

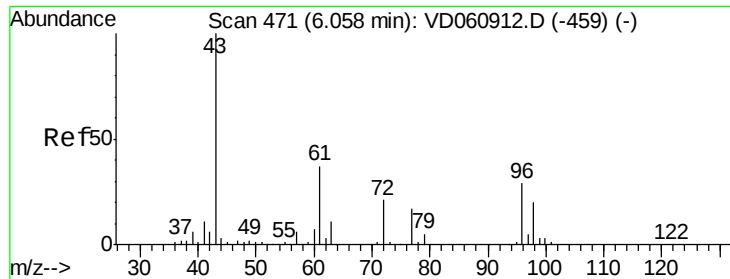
Tot Ion: 43 Resp: 32260
Ion Ratio Lower Upper
43 100
74 18.3 16.1 24.1



#20
Methylene Chloride
Concen: 13.108 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.00 min
Lab File: VD060938.D
Acq: 4 Mar 2019 21:59

Tgt Ion: 84 Resp: 89762
Ion Ratio Lower Upper
84 100
49 124.7 102.4 153.6
51 37.0 31.9 47.9
86 63.4 53.1 79.7





#25

2-Butanone

Concen: 1.734 ug/l

RT: 6.11 min Scan# 476

Delta R.T. 0.05 min

Lab File: VD060938.D

Acq: 4 Mar 2019 21:59

Instrument :

MSVOA_D

ClientSampleID :

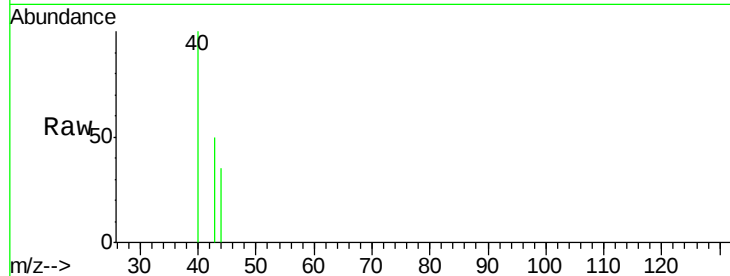
SB-B-11-14

Tot Ion: 43 Resp: 2576

Ion Ratio Lower Upper

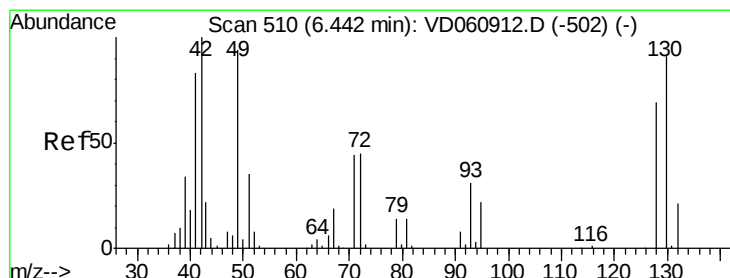
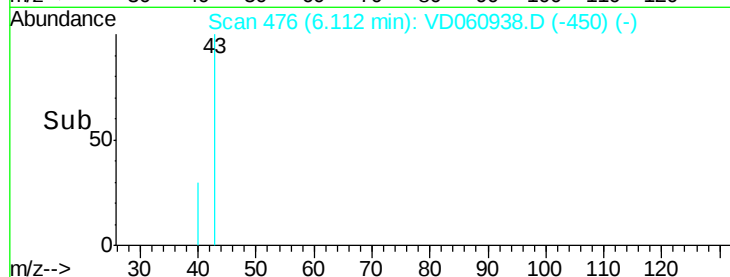
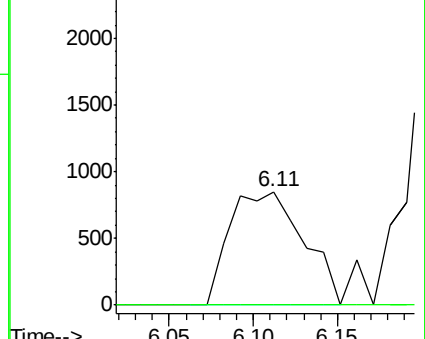
43 100

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: 2.891 ug/l

RT: 6.48 min Scan# 513

Delta R.T. 0.03 min

Lab File: VD060938.D

Acq: 4 Mar 2019 21:59

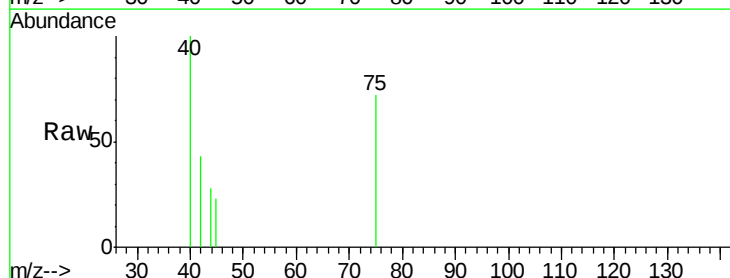
Tgt Ion: 42 Resp: 2211

Ion Ratio Lower Upper

42 100

72 8.1 33.8 50.6#

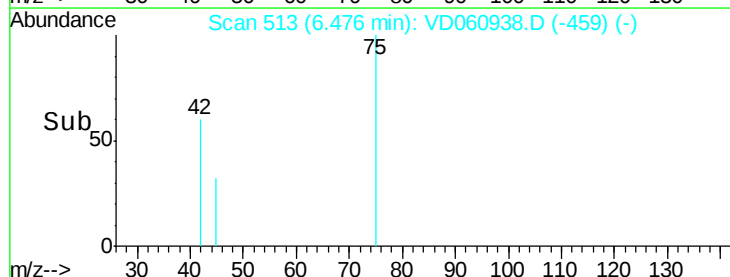
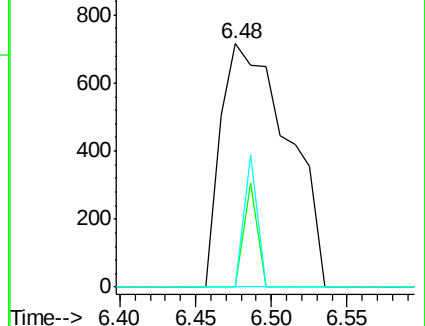
71 10.4 33.5 50.3#

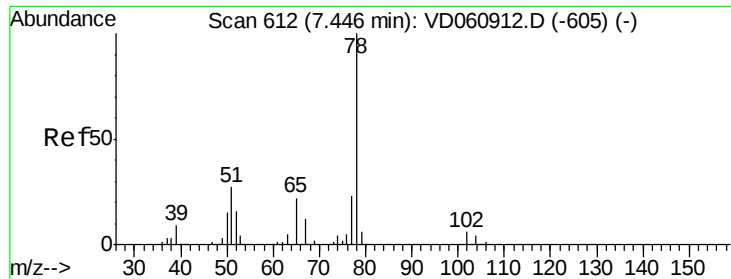


Abundance Ion 42.00 (41.70 to 42.70): VDC

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: 7.46 min Scan# 613

Delta R.T. 0.01 min

Lab File: VD060938.D

Acq: 4 Mar 2019 21:59

Instrument :

MSVOA_D

ClientSampleId :

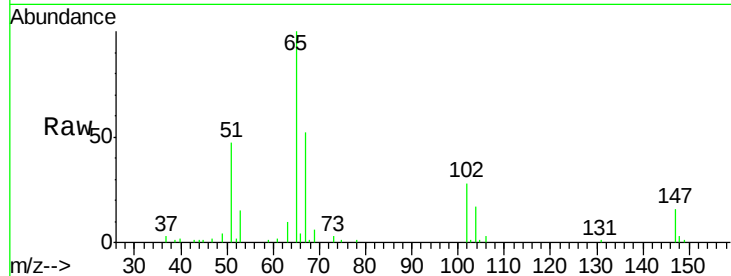
SB-B-11-14

Tot Ion: 65 Resp: 189730

Ion Ratio Lower Upper

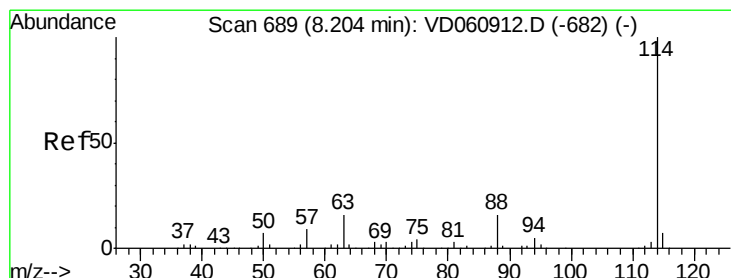
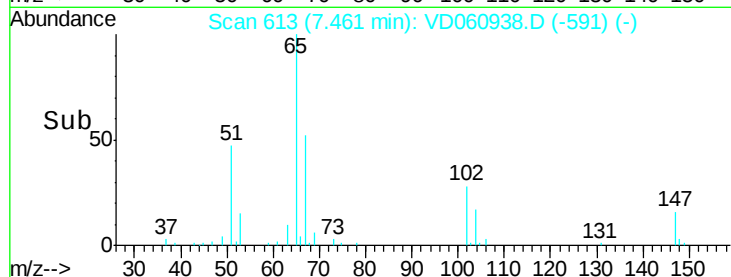
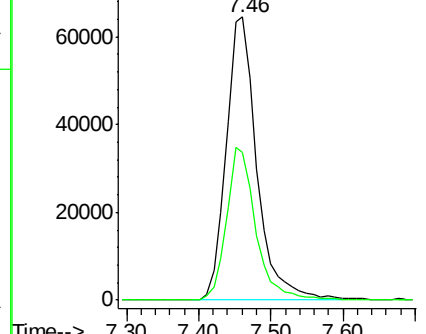
65 100

67 52.0 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: VD060938.D

Acq: 4 Mar 2019 21:59

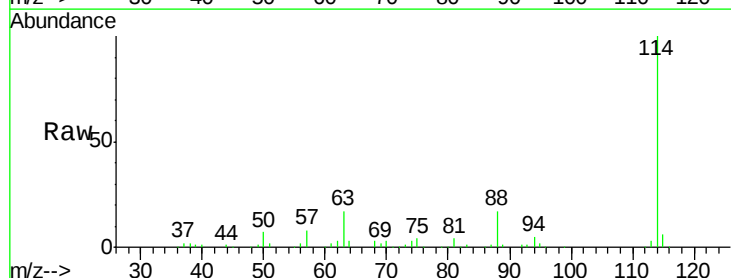
Tgt Ion: 114 Resp: 779415

Ion Ratio Lower Upper

114 100

63 17.4 0.0 32.0

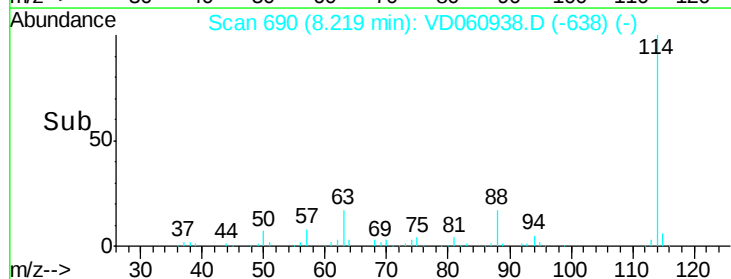
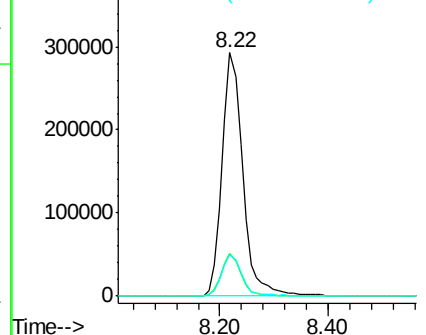
88 17.1 0.0 32.8

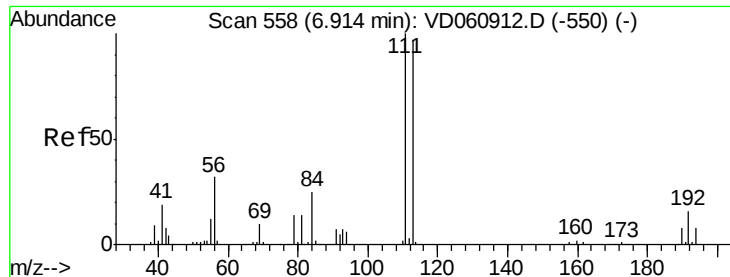


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

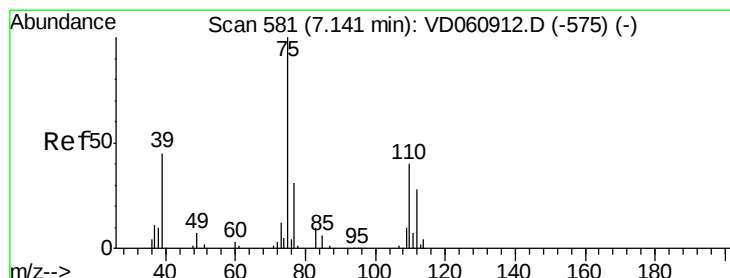
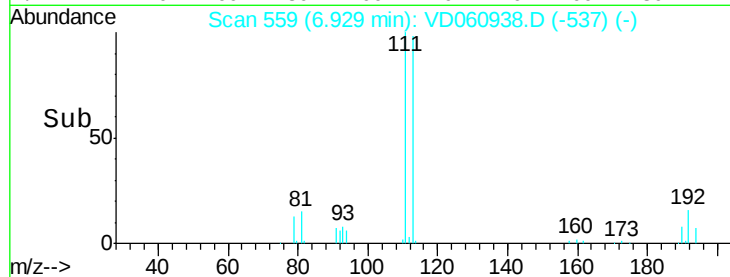
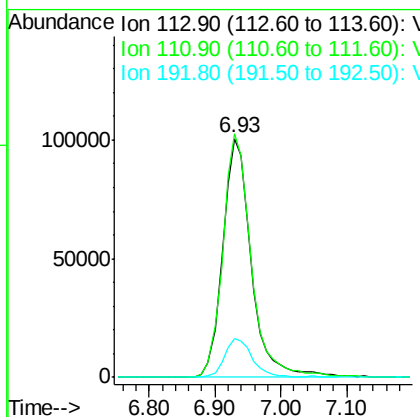
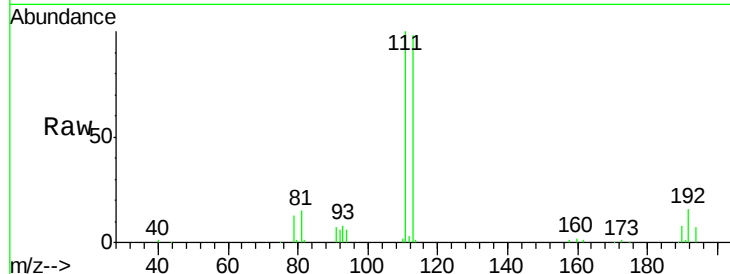




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. 0.01 min
 Lab File: VD060938.D
 Acq: 4 Mar 2019 21:59

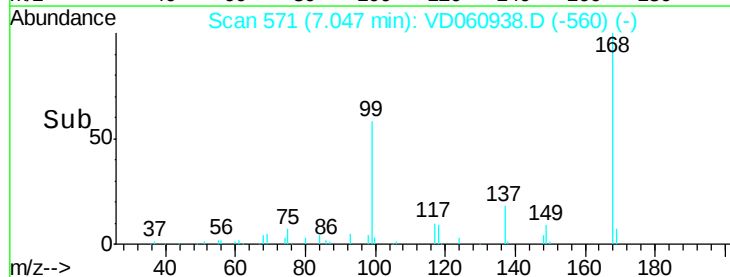
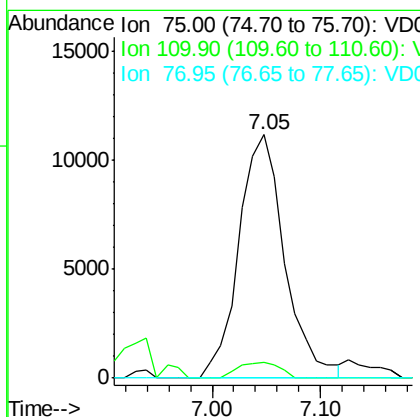
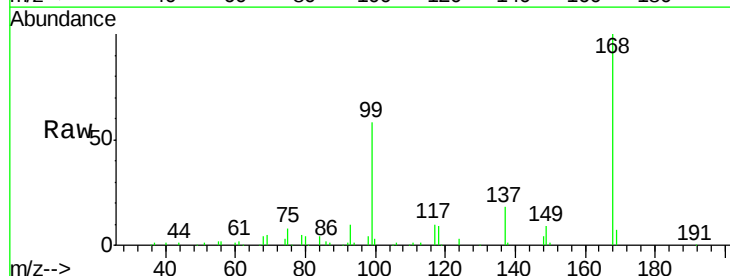
Instrument :
 MSVOA_D
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 SB-B-11-14

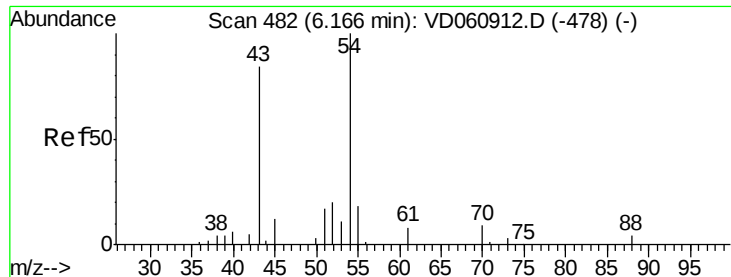
Tot Ion:113 Resp: 305277
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.6 124.0
 192 16.1 13.4 20.2



#36
 1,1-Dichloropropene
 Concen: 4.601 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.09 min
 Lab File: VD060938.D
 Acq: 4 Mar 2019 21:59

Tgt Ion: 75 Resp: 32971
 Ion Ratio Lower Upper
 75 100
 110 6.3 19.9 59.7#
 77 0.0 25.0 37.6#





#37

Ethyl Acetate

Concen: 7.104 ug/l

RT: 6.24 min Scan# 489

Delta R.T. 0.07 min

Lab File: VD060938.D

Acq: 4 Mar 2019 21:59

Instrument :

MSVOA_D

ClientSampleId :

SB-B-11-14

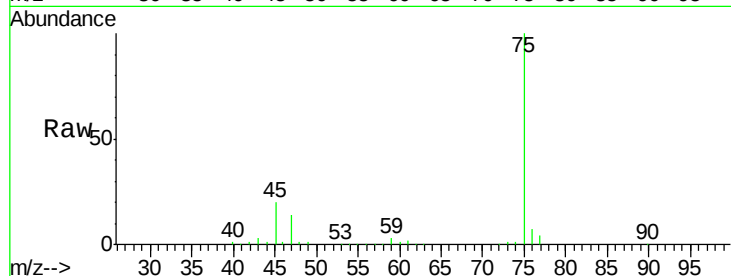
Tot Ion: 43 Resp: 26170

Ion Ratio Lower Upper

43 100

61 81.2 12.1 18.1#

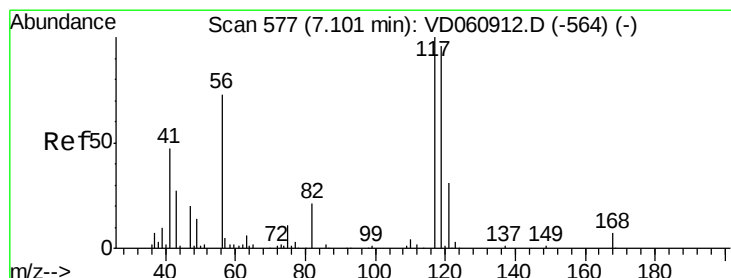
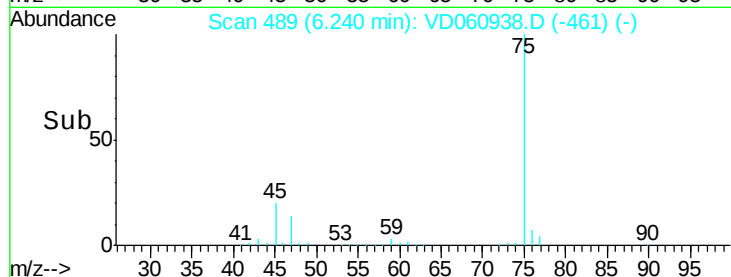
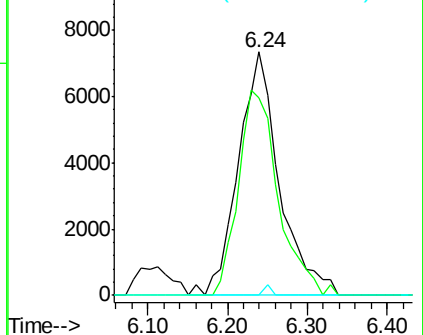
70 0.0 7.3 10.9#



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: 5.385 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.05 min

Lab File: VD060938.D

Acq: 4 Mar 2019 21:59

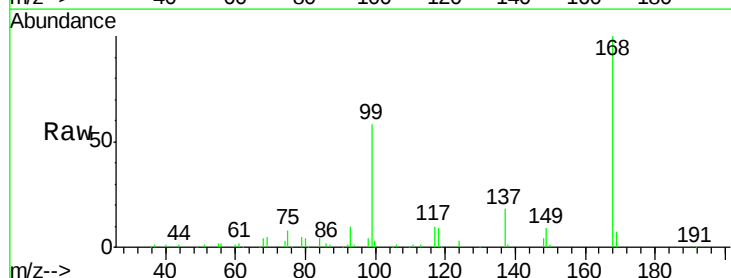
Tgt Ion: 117 Resp: 41459

Ion Ratio Lower Upper

117 100

119 4.6 76.9 115.3#

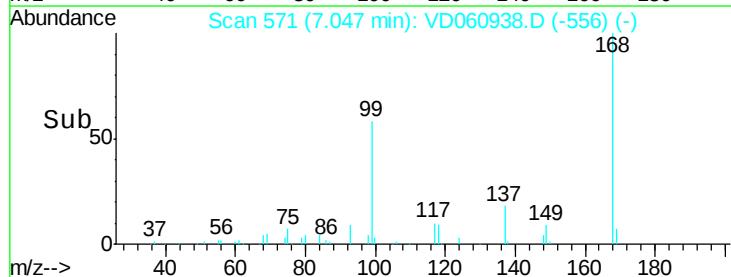
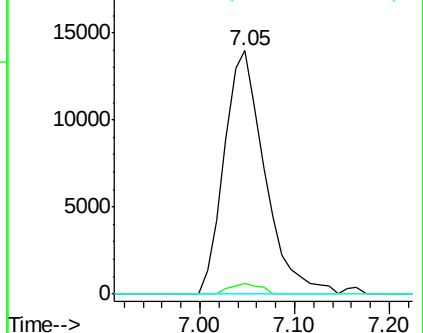
121 0.0 24.5 36.7#

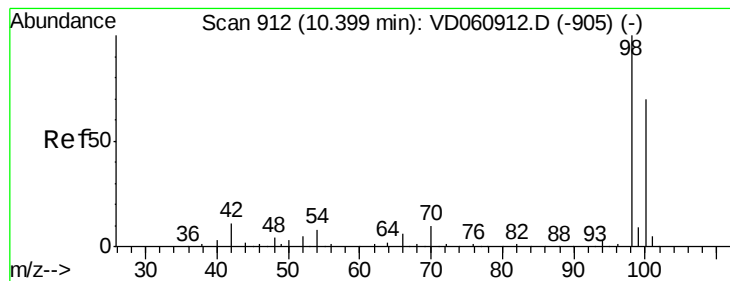


Abundance Ion 116.85 (116.55 to 117.55): V

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: 10.41 min Scan# 913

Delta R.T. 0.01 min

Lab File: VD060938.D

Acq: 4 Mar 2019 21:59

Instrument :

MSVOA_D

ClientSampleId :

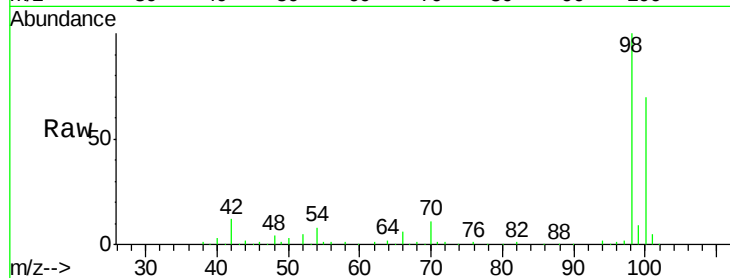
SB-B-11-14

Tot Ion: 98 Resp: 716486

Ion Ratio Lower Upper

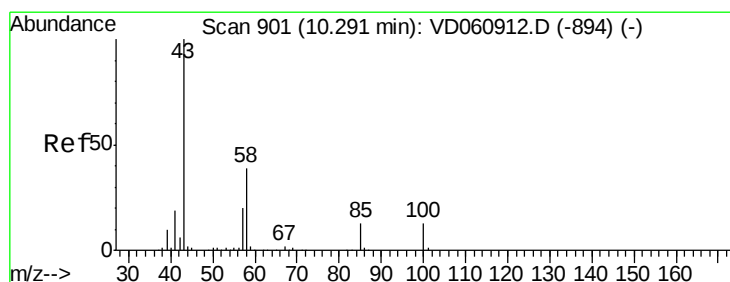
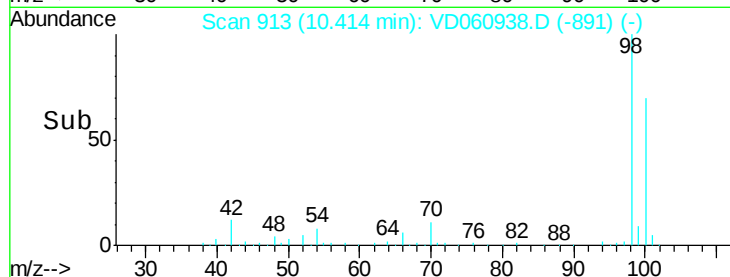
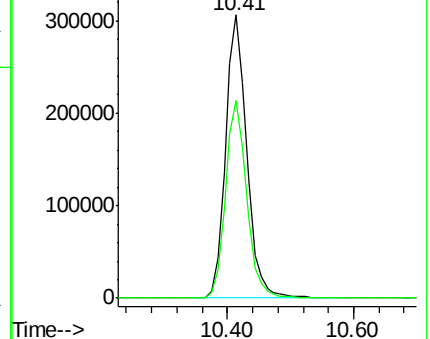
98 100

100 69.6 57.0 85.4



Abundance Ion 98.05 (97.75 to 98.75): VD060938.D (-891) (-)

Ion 100.05 (99.75 to 100.75): VD060938.D (-891) (-)



#51

4-Methyl-2-Pentanone

Concen: 6.741 ug/l

RT: 10.31 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD060938.D

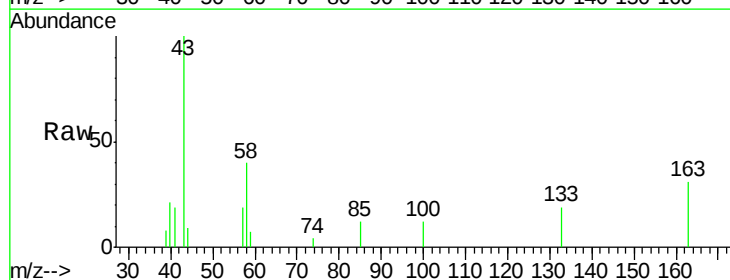
Acq: 4 Mar 2019 21:59

Tgt Ion: 43 Resp: 21081

Ion Ratio Lower Upper

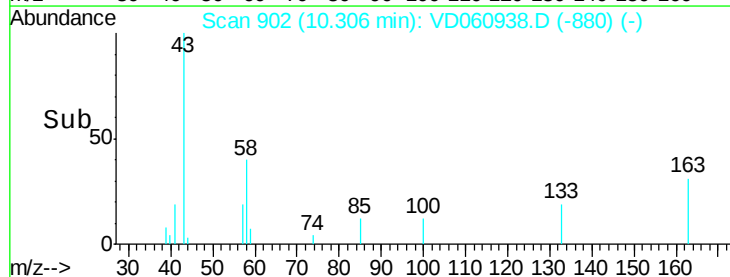
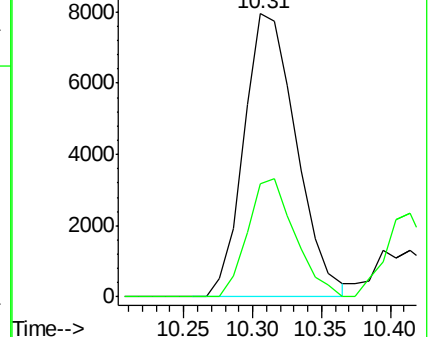
43 100

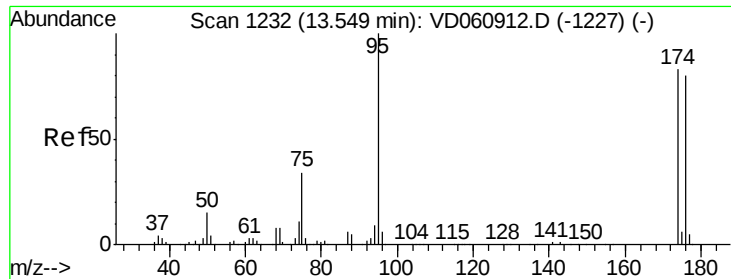
58 39.8 31.0 46.6



Abundance Ion 42.95 (42.65 to 43.65): VD060938.D (-880) (-)

Ion 57.95 (57.65 to 58.65): VD060938.D (-880) (-)

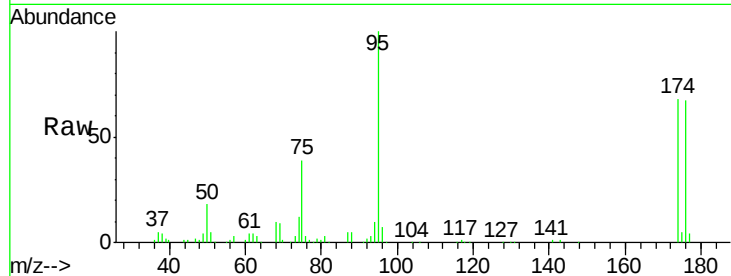




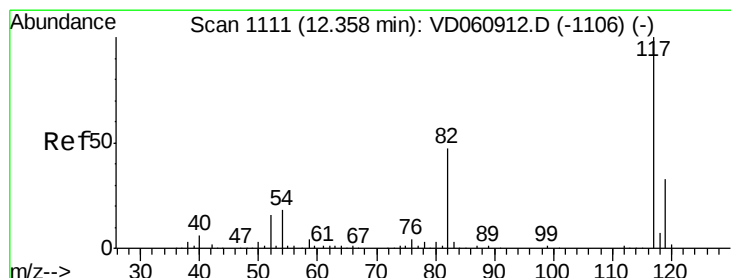
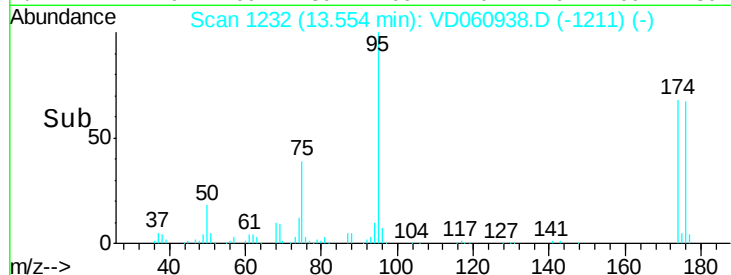
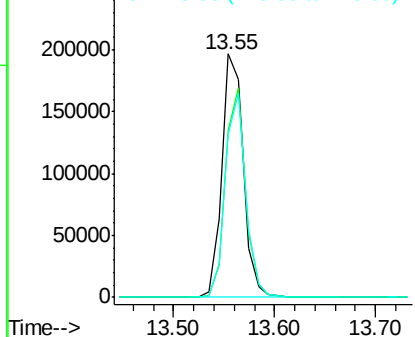
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VD060938.D
Acq: 4 Mar 2019 21:59

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

Tot Ion: 95 Resp: 291567
Ion Ratio Lower Upper
95 100
174 68.3 0.0 165.6
176 66.8 0.0 160.6

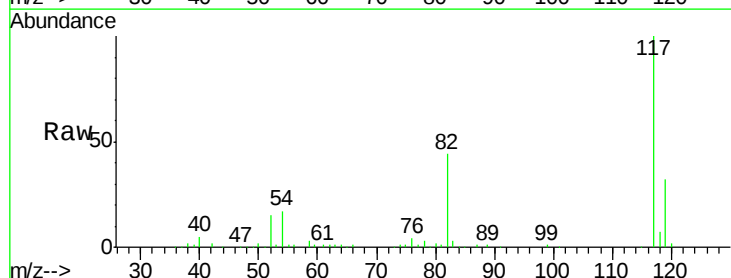


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

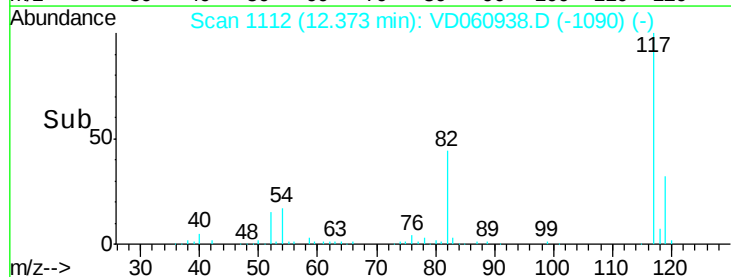
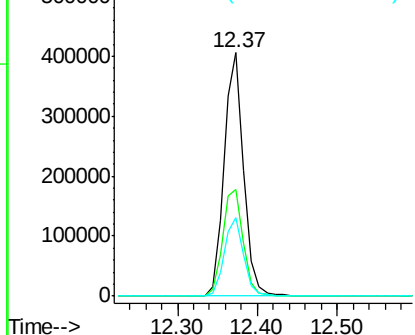


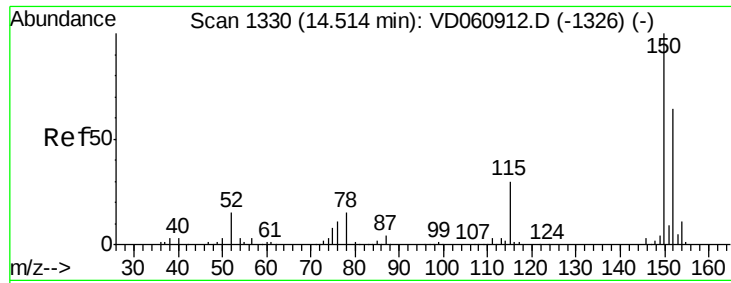
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD060938.D
Acq: 4 Mar 2019 21:59

Tgt Ion: 117 Resp: 697559
Ion Ratio Lower Upper
117 100
82 44.0 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# 1330

Delta R.T. 0.01 min

Lab File: VD060938.D

Acq: 4 Mar 2019 21:59

Instrument :

MSVOA_D

ClientSampleId :

SB-B-11-14

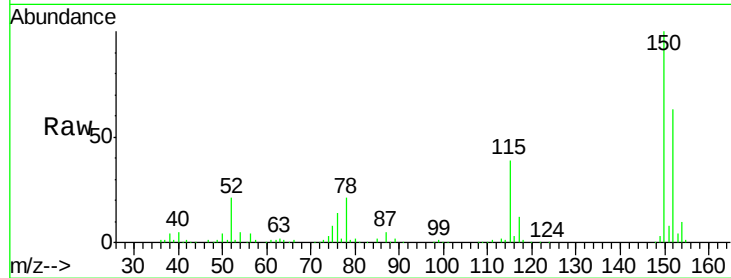
Tot Ion:152 Resp: 308217

Ion Ratio Lower Upper

152 100

115 61.0 27.6 82.8

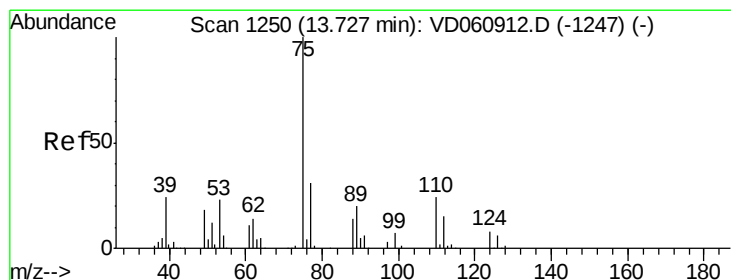
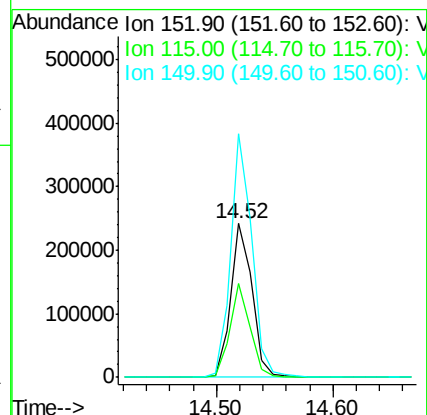
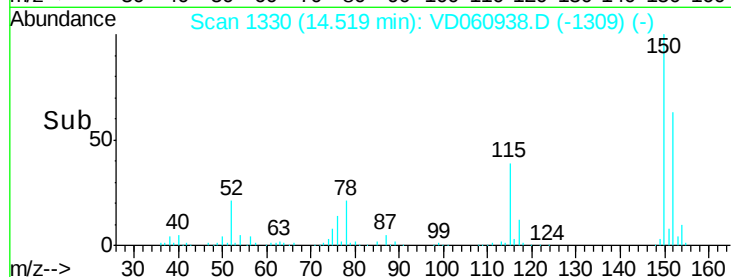
150 158.3 0.0 312.8



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: 18.302 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.17 min

Lab File: VD060938.D

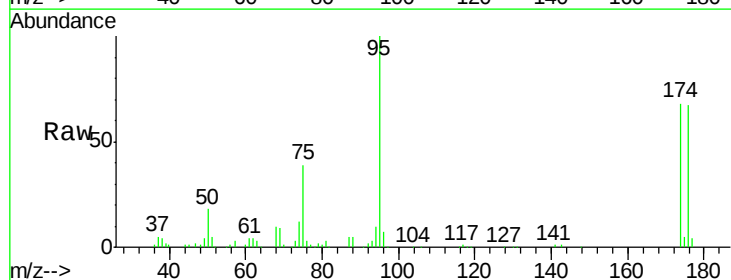
Acq: 4 Mar 2019 21:59

Tgt Ion: 75 Resp: 91401

Ion Ratio Lower Upper

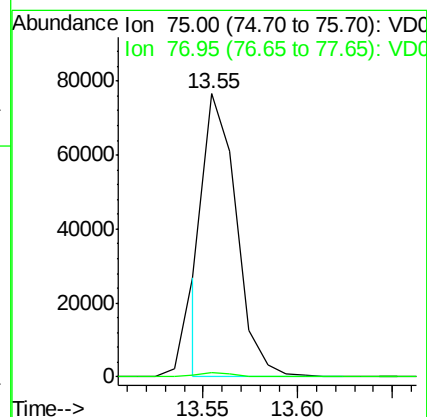
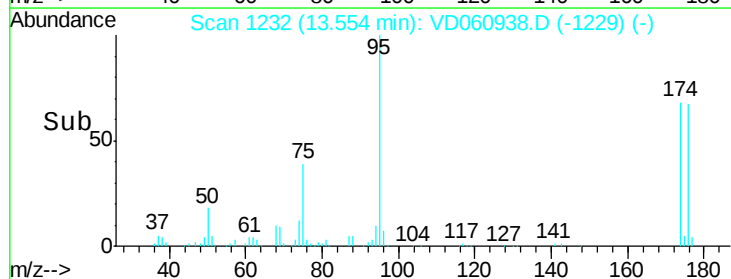
75 100

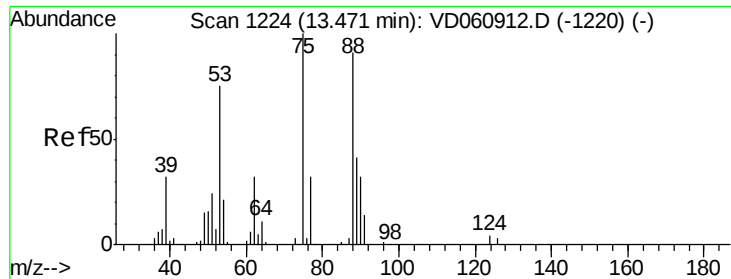
77 1.7 16.2 48.6#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 76.95 (76.65 to 77.65): V





#81

trans-1,4-Dichloro-2-butene

Concen: 73.364 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD060938.D

Acq: 4 Mar 2019 21:59

Instrument :

MSVOA_D

ClientSampleId :

SB-B-11-14

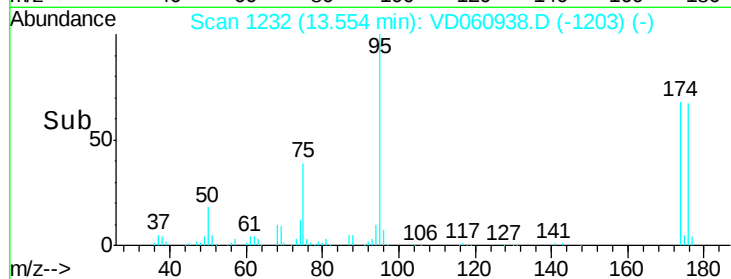
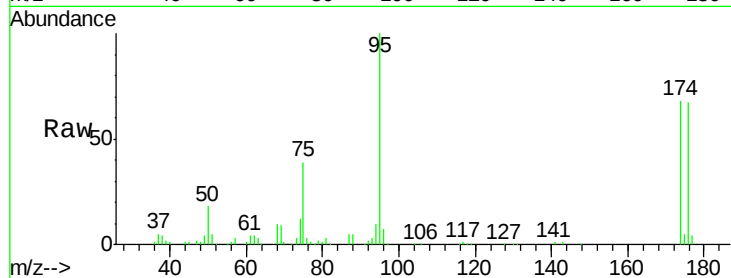
Tot Ion: 75 Resp: 108430

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

