

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061418\
 Data File : VD058133.D
 Acq On : 14 Jun 2018 14:02
 Operator : VA/AP
 Sample : J3420-02RE
 Misc : 6.67g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 15 06:03:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:57:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	802491	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	1037504	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	833060	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	422508	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.02	65	319813	39.86	ug/l	0.00
Spiked Amount			Recovery	=	79.72%	
35) Dibromofluoromethane	5.56	113	335874	41.84	ug/l	0.00
Spiked Amount			Recovery	=	83.68%	
50) Toluene-d8	8.71	98	764087	40.04	ug/l	0.00
Spiked Amount			Recovery	=	80.08%	
62) 4-Bromofluorobenzene	11.93	95	334215	40.14	ug/l	0.00
Spiked Amount			Recovery	=	80.28%	

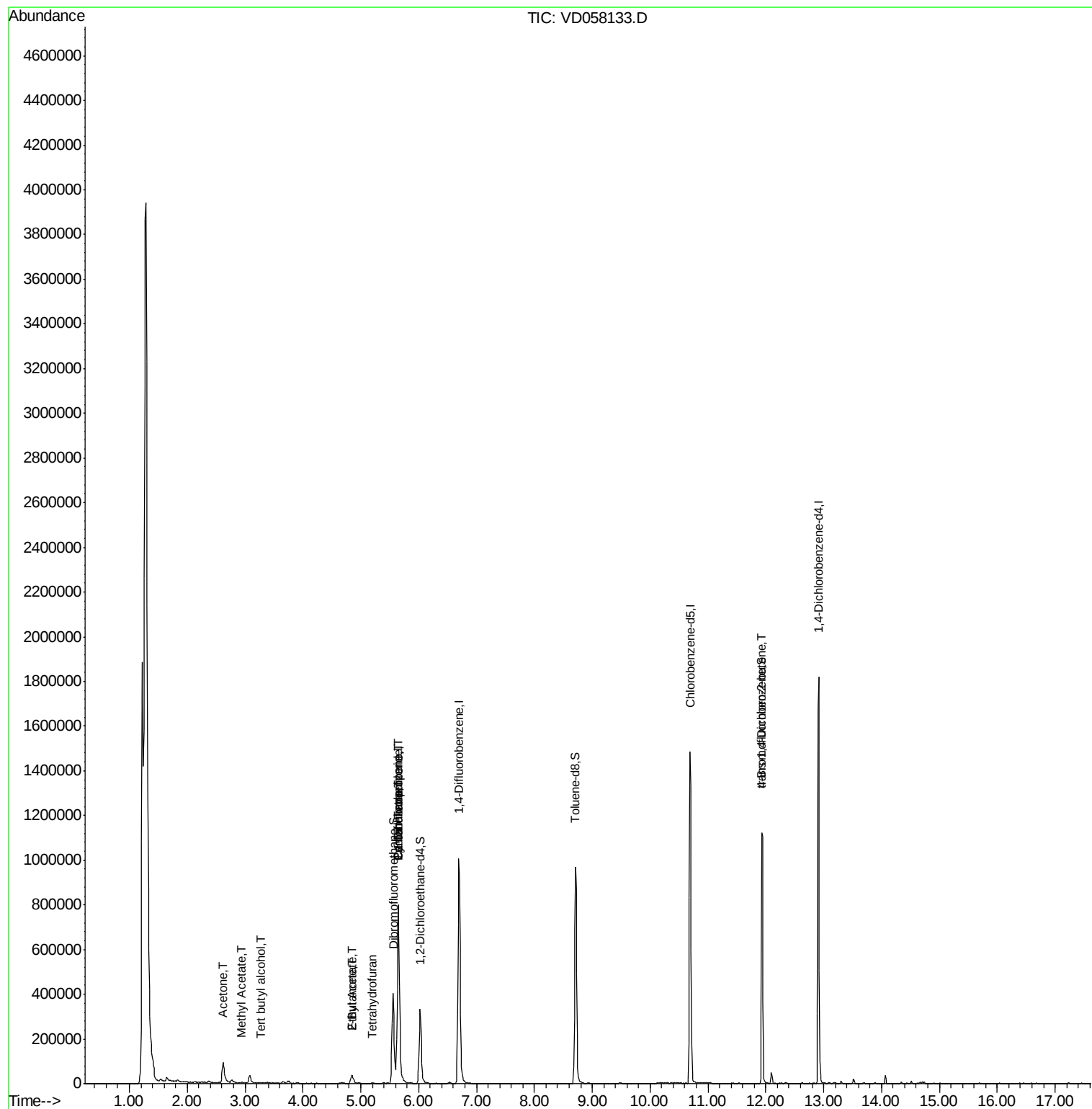
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.27	59	582	2.708	ug/l #	74
16) Acetone	2.62	43	195949	169.523	ug/l	97
18) Methyl Acetate	2.94	43	6441	2.881	ug/l #	66
20) Methylene Chloride	3.08	84	16397	Below Cal	#	93
25) 2-Butanone	4.84	43	47823	18.205	ug/l	93
29) Tetrahydrofuran	5.19	42	1778	1.291	ug/l #	56
31) Cyclohexane	5.65	56	17921	1.285	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	65555	5.735	ug/l #	51
37) Ethyl Acetate	4.84	43	47823	7.668	ug/l #	78
38) Carbon Tetrachloride	5.65	117	68785	6.106	ug/l #	15
81) trans-1,4-Dichloro-2-buten	11.93	75	167093	106.295	ug/l #	6
82) 4-Chlorotoluene	12.32	91	1730	Below Cal	#	50
89) n-Butylbenzene	13.20	91	1323	Below Cal	#	85

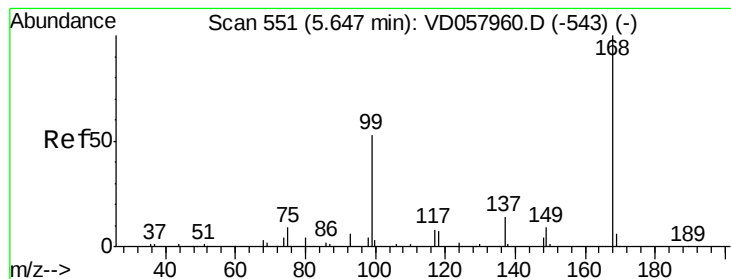
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD061418\
Data File : VD058133.D
Acq On : 14 Jun 2018 14:02
Operator : VA/AP
Sample : J3420-02RE
Misc : 6.67g/5ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Jun 15 06:03:36 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 07 08:57:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 551

Delta R.T. 0.00 min

Lab File: VD058133.D

Acq: 14 Jun 2018 14:02

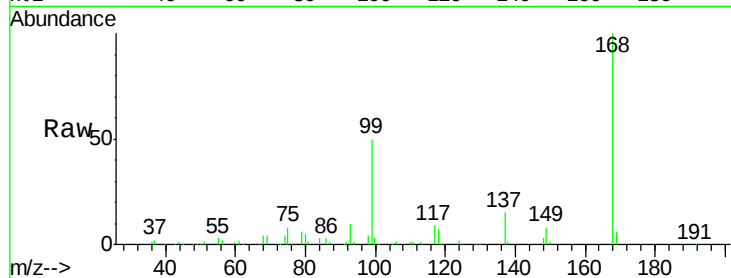
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 802491

Ion Ratio Lower Upper

168 100

99 50.3 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.65

300000

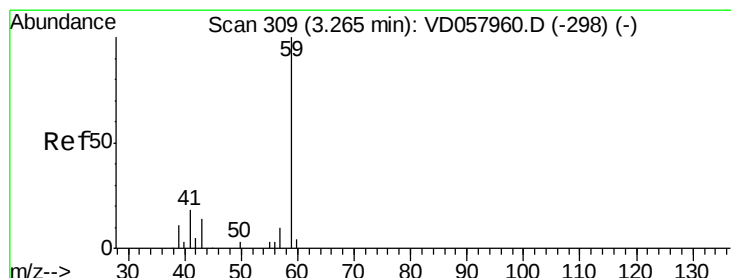
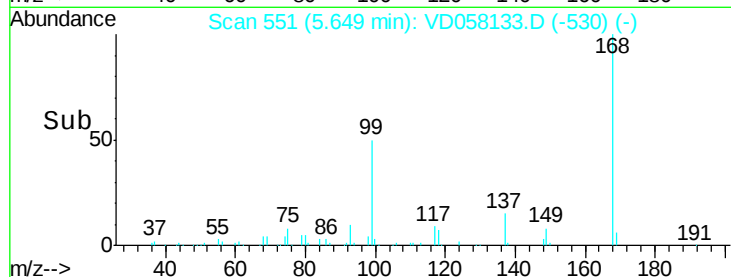
200000

100000

0

Time-->

5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 2.708 ug/l

RT: 3.27 min Scan# 309

Delta R.T. 0.00 min

Lab File: VD058133.D

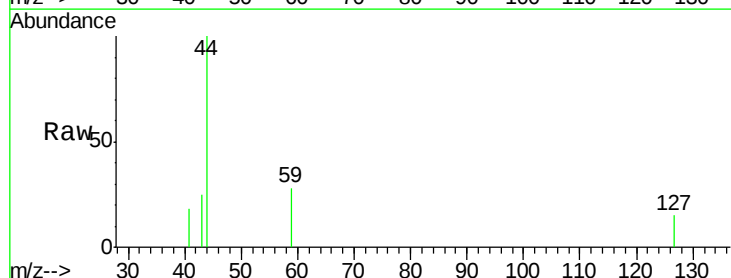
Acq: 14 Jun 2018 14:02

Tgt Ion: 59 Resp: 582

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

3.27

600

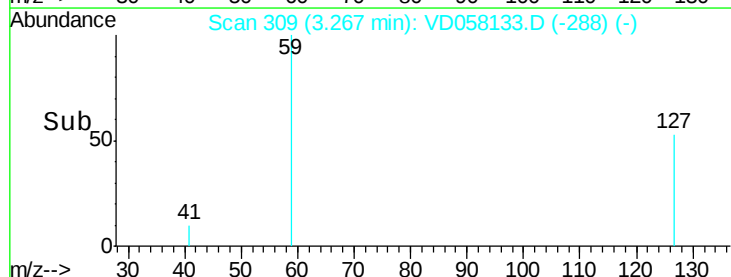
400

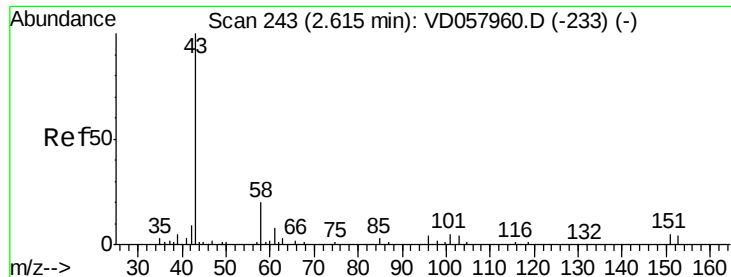
200

0

Time-->

3.24 3.26 3.28 3.30





#16

Acetone

Concen: 169.523 ug/l

RT: 2.62 min Scan# 243

Delta R.T. 0.00 min

Lab File: VD058133.D

Acq: 14 Jun 2018 14:02

Instrument :

MSVOA_D

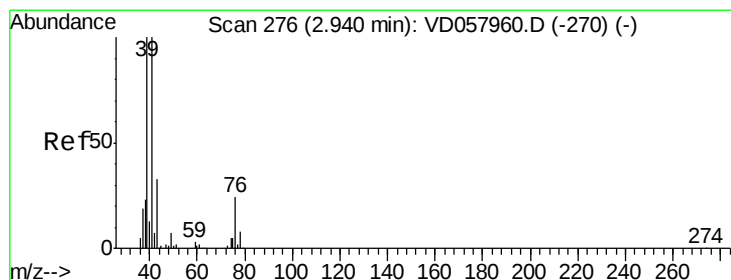
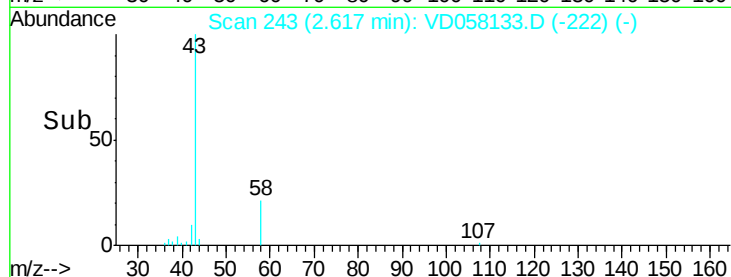
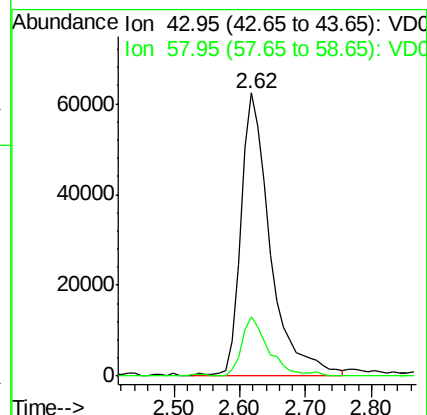
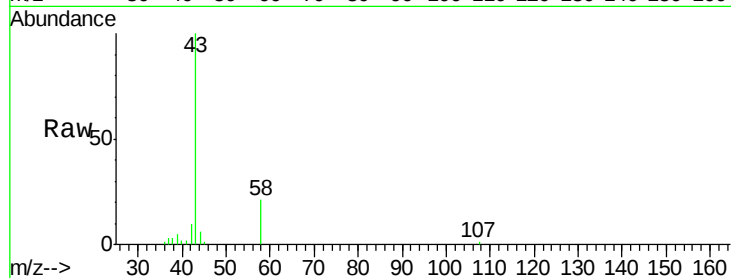
ClientSampleId :

Tot Ion: 43 Resp: 195949

Ion Ratio Lower Upper

43 100

58 21.1 15.8 23.8



#18

Methyl Acetate

Concen: 2.881 ug/l

RT: 2.94 min Scan# 276

Delta R.T. 0.00 min

Lab File: VD058133.D

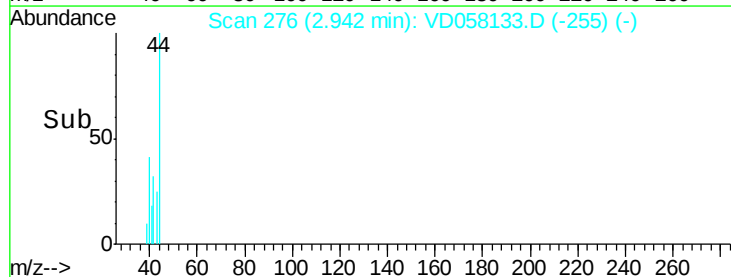
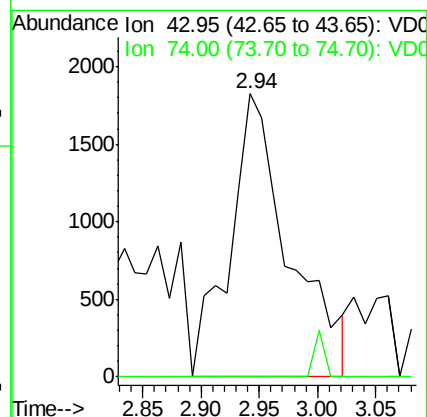
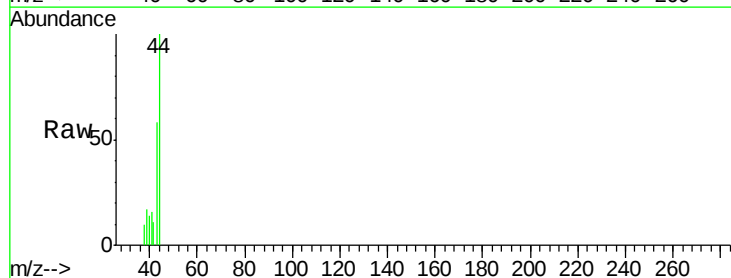
Acq: 14 Jun 2018 14:02

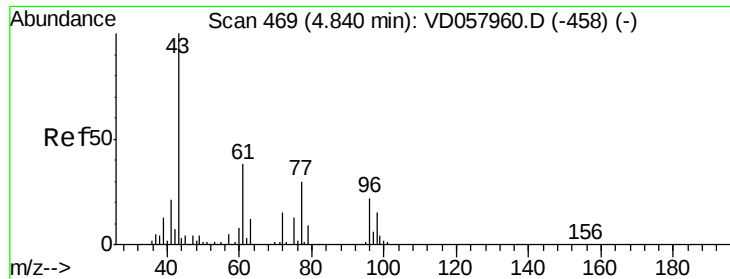
Tgt Ion: 43 Resp: 6441

Ion Ratio Lower Upper

43 100

74 0.0 11.2 16.8#





#25

2-Butanone

Concen: 18.205 ug/l

RT: 4.84 min Scan# 469

Delta R.T. 0.00 min

Lab File: VD058133.D

Acq: 14 Jun 2018 14:02

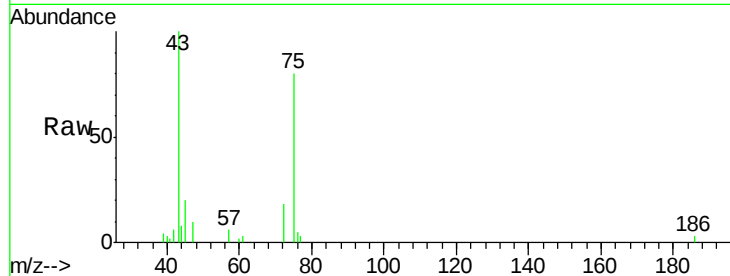
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 47823

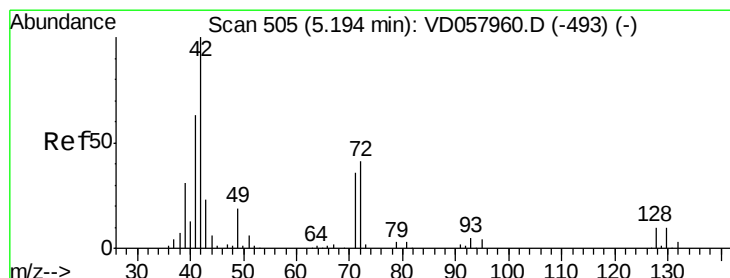
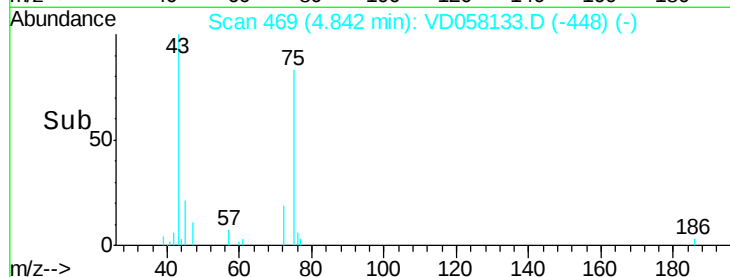
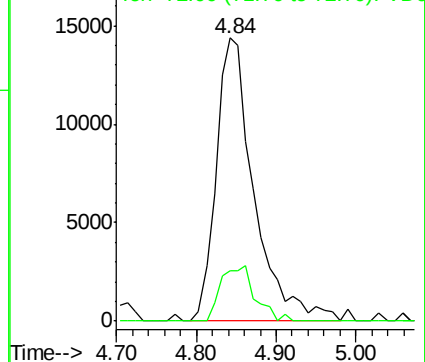
Ion Ratio Lower Upper

43 100

72 17.9 12.0 18.0



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 1.291 ug/l

RT: 5.19 min Scan# 504

Delta R.T. -0.01 min

Lab File: VD058133.D

Acq: 14 Jun 2018 14:02

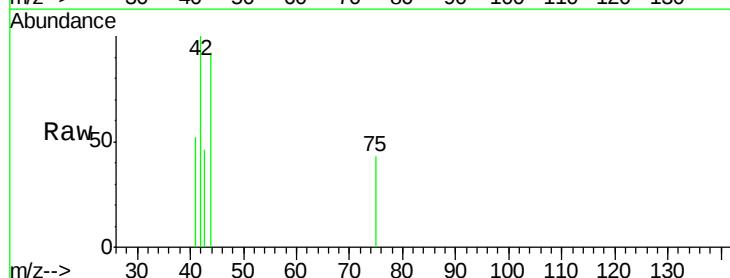
Tgt Ion: 42 Resp: 1778

Ion Ratio Lower Upper

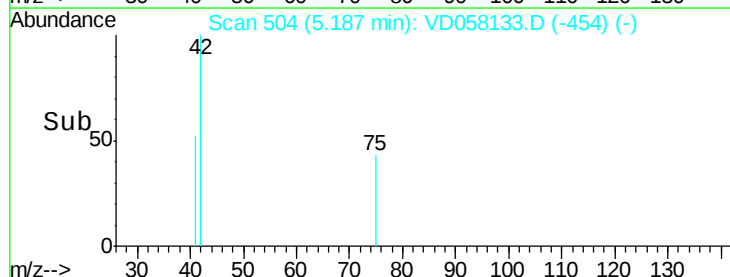
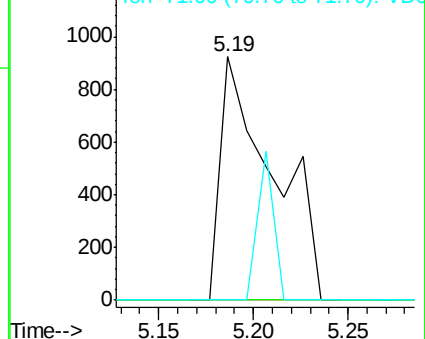
42 100

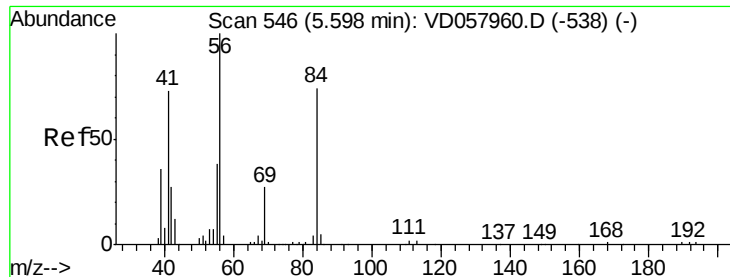
72 0.0 28.5 42.7#

71 18.8 27.9 41.9#



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

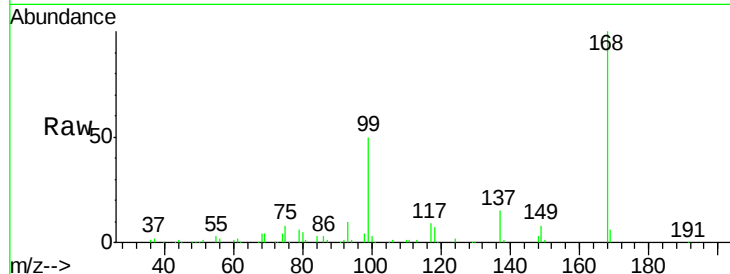




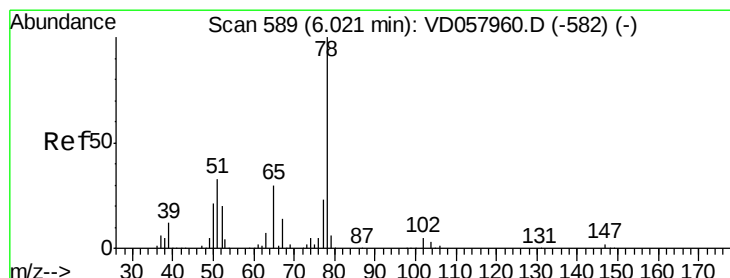
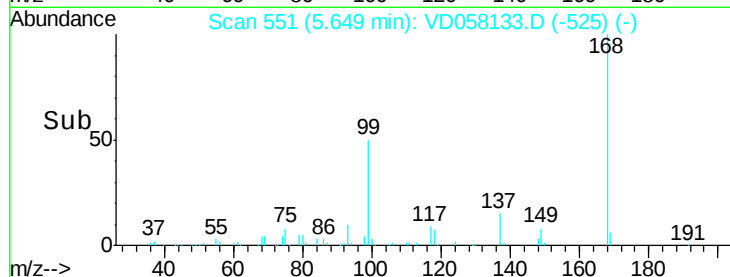
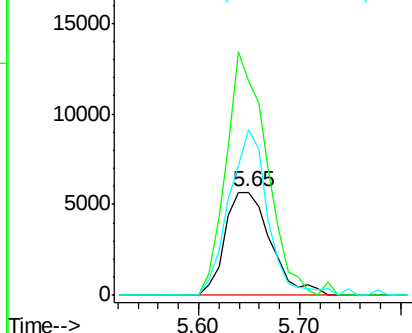
#31
Cyclohexane
Concen: 1.285 ug/l
RT: 5.65 min Scan# 551
Delta R.T. 0.05 min
Lab File: VD058133.D
Acq: 14 Jun 2018 14:02

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 17921
Ion Ratio Lower Upper
56 100
69 207.7 21.5 32.3#
84 160.5 61.0 91.6#

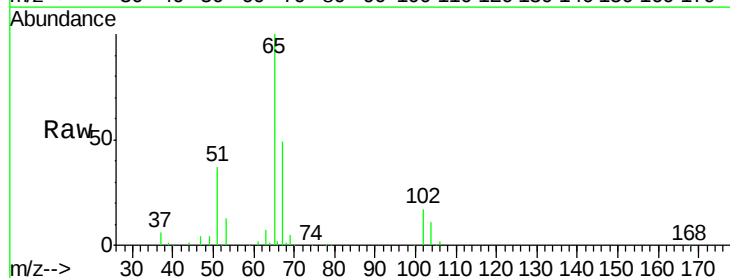


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

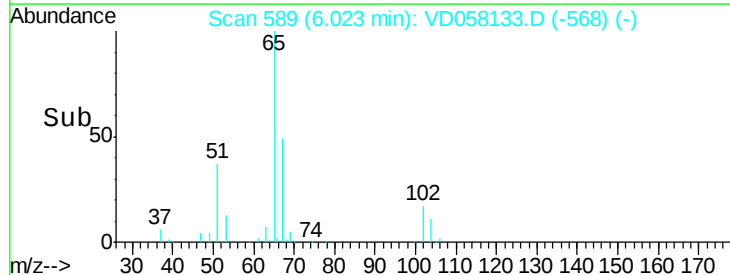
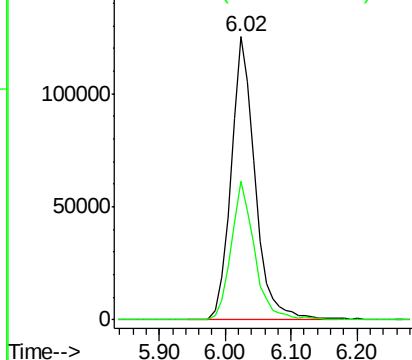


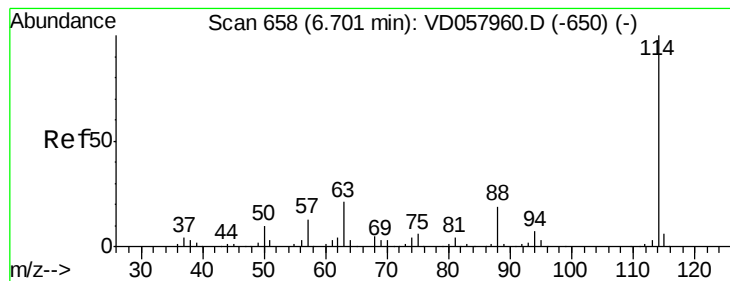
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.02 min Scan# 589
Delta R.T. 0.00 min
Lab File: VD058133.D
Acq: 14 Jun 2018 14:02

Tgt Ion: 65 Resp: 319813
Ion Ratio Lower Upper
65 100
67 49.2 0.0 94.0



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: 6.69 min Scan# 657

Delta R.T. -0.01 min

Lab File: VD058133.D

Acq: 14 Jun 2018 14:02

Instrument :

MSVOA_D

ClientSampleId :

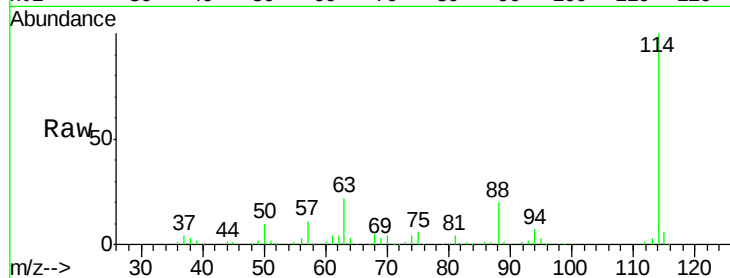
Tot Ion:114 Resp: 1037504

Ion Ratio Lower Upper

114 100

63 21.8 0.0 42.8

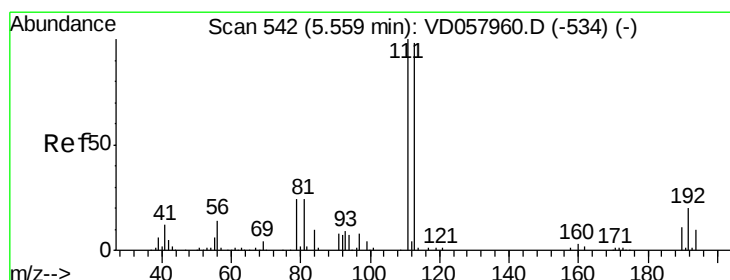
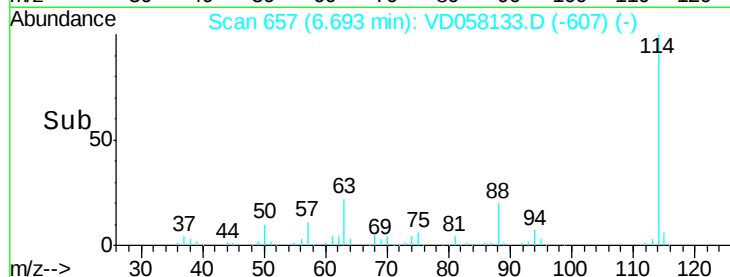
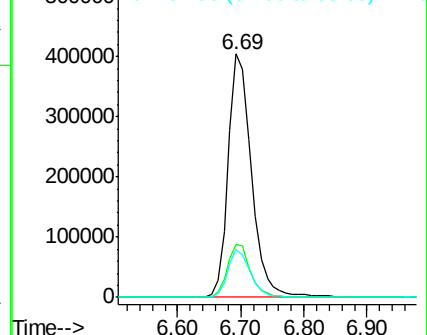
88 19.7 0.0 37.8



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: 5.56 min Scan# 542

Delta R.T. 0.00 min

Lab File: VD058133.D

Acq: 14 Jun 2018 14:02

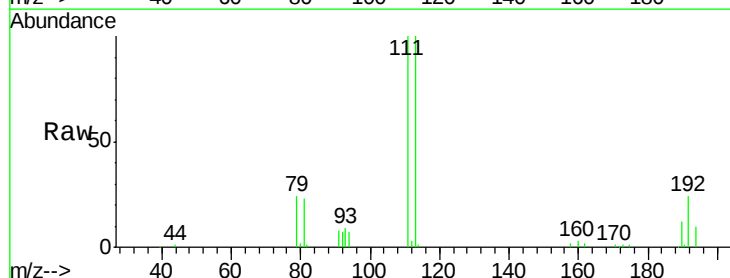
Tgt Ion:113 Resp: 335874

Ion Ratio Lower Upper

113 100

111 100.5 81.5 122.3

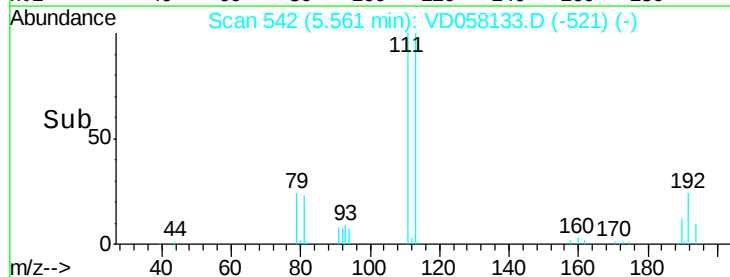
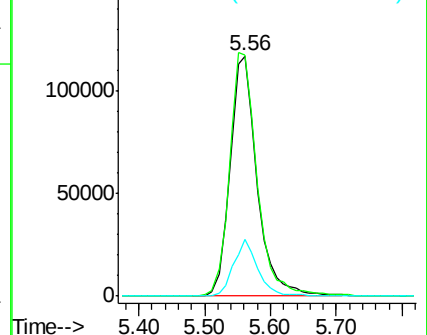
192 23.8 16.4 24.6

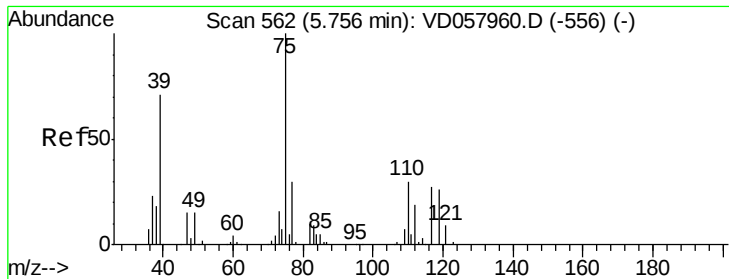


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 5.735 ug/l

RT: 5.65 min Scan# 551

Delta R.T. -0.11 min

Lab File: VD058133.D

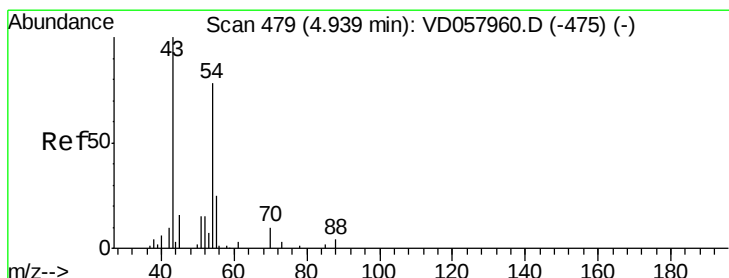
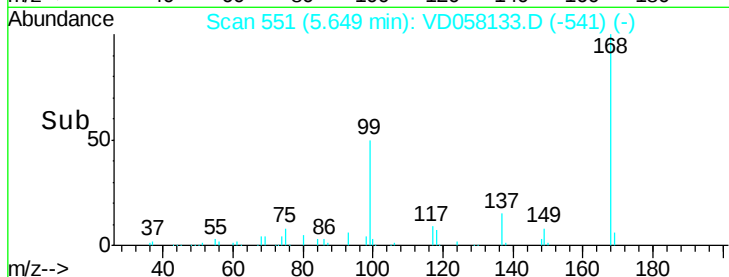
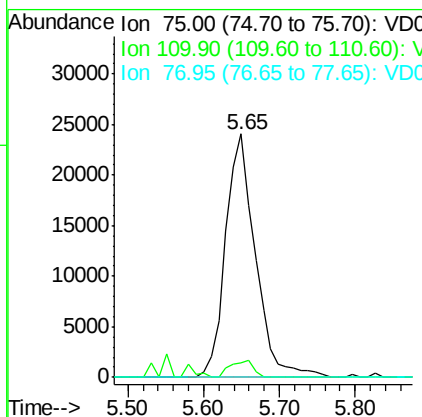
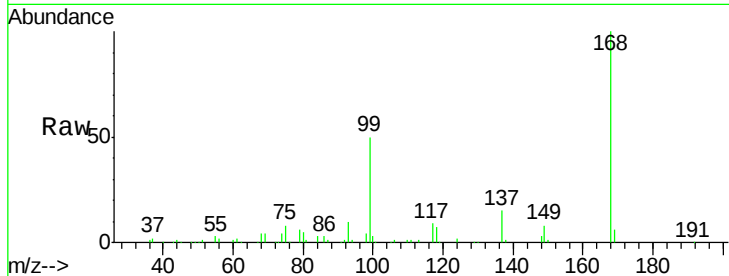
Acq: 14 Jun 2018 14:02

Instrument :

MSVOA_D

ClientSampled :

Tot Ion:	75	Resp:	65555
Ion	Ratio	Lower	Upper
75	100		
110	6.1	14.8	44.3#
77	0.0	23.9	35.9#



#37

Ethyl Acetate

Concen: 7.668 ug/l

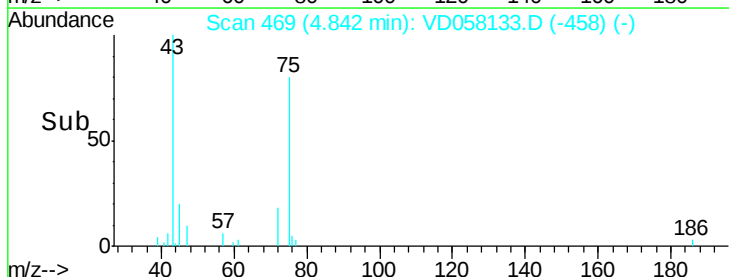
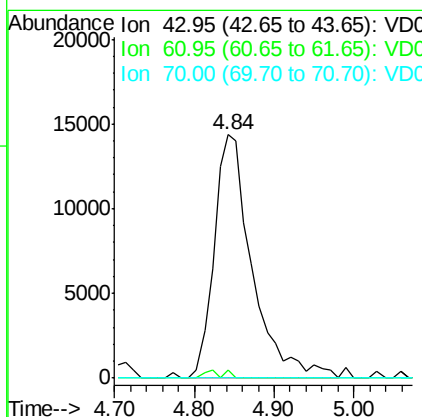
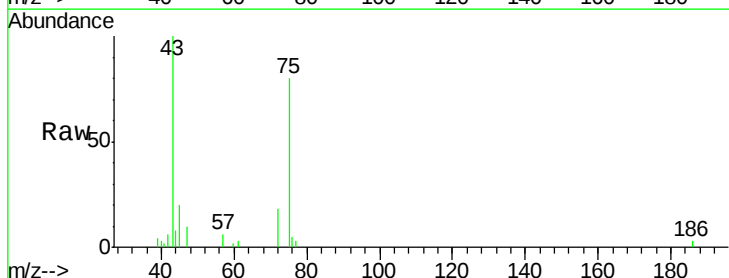
RT: 4.84 min Scan# 469

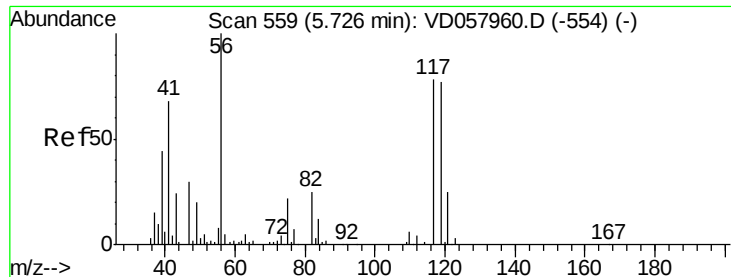
Delta R.T. -0.10 min

Lab File: VD058133.D

Acq: 14 Jun 2018 14:02

Tgt Ion:	43	Resp:	47823
Ion	Ratio	Lower	Upper
43	100		
61	3.2	9.9	14.9#
70	0.0	5.7	8.5#

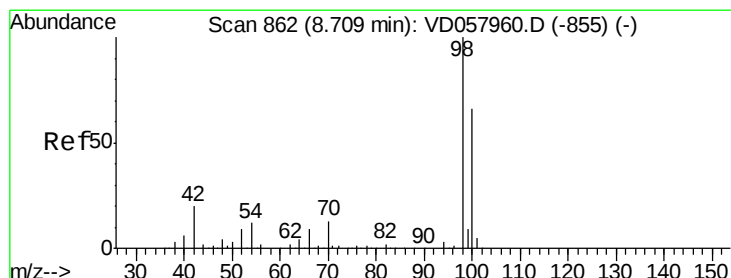
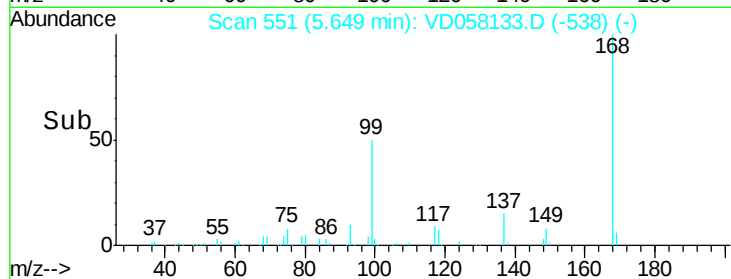
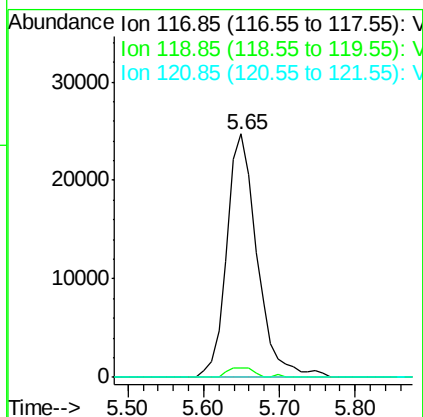
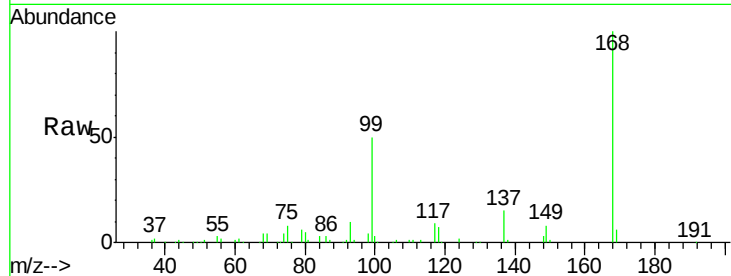




#38
Carbon Tetrachloride
Concen: 6.106 ug/l
RT: 5.65 min Scan# 551
Delta R.T. -0.08 min
Lab File: VD058133.D
Acq: 14 Jun 2018 14:02

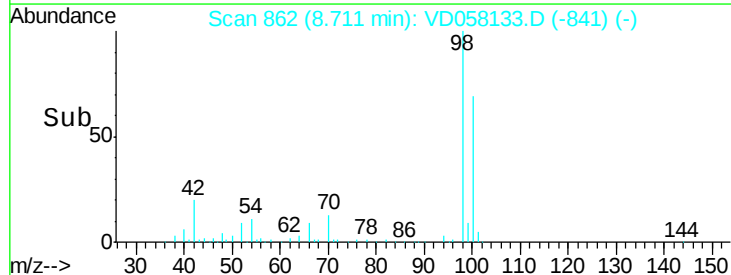
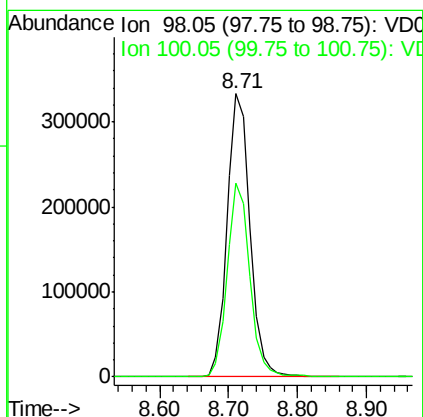
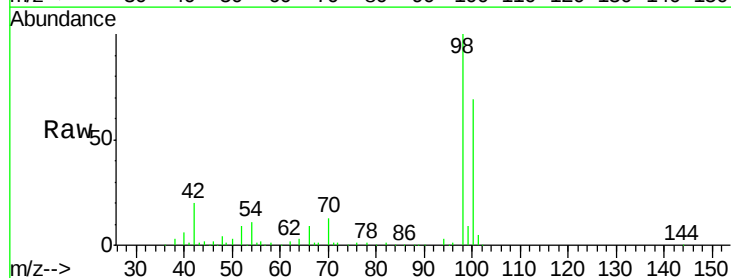
Instrument :
MSVOA_D
ClientSampleId :

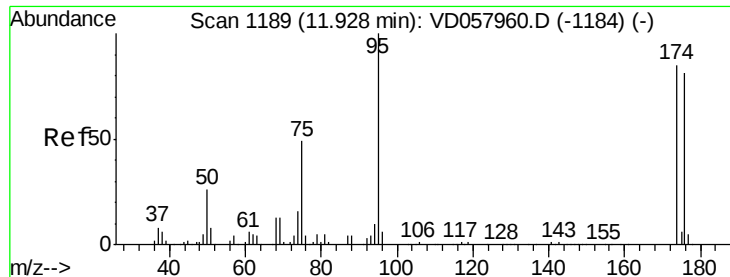
Tot Ion:117 Resp: 68785
Ion Ratio Lower Upper
117 100
119 3.8 76.1 114.1#
121 0.0 24.9 37.3#



#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.71 min Scan# 862
Delta R.T. 0.00 min
Lab File: VD058133.D
Acq: 14 Jun 2018 14:02

Tgt Ion: 98 Resp: 764087
Ion Ratio Lower Upper
98 100
100 68.6 53.4 80.0

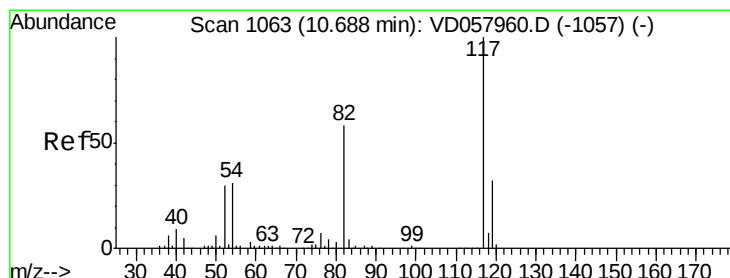
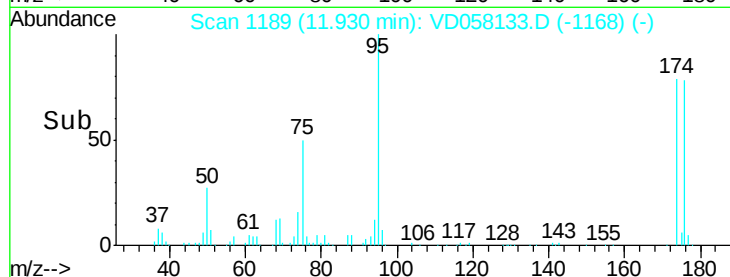
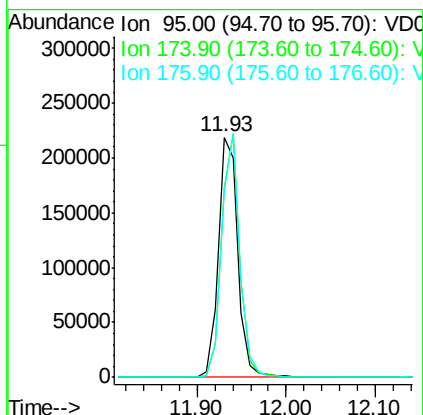
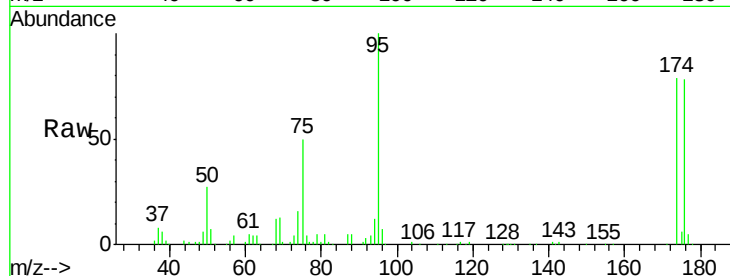




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.93 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VD058133.D
Acq: 14 Jun 2018 14:02

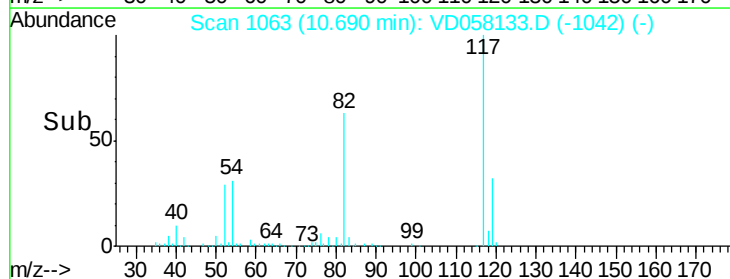
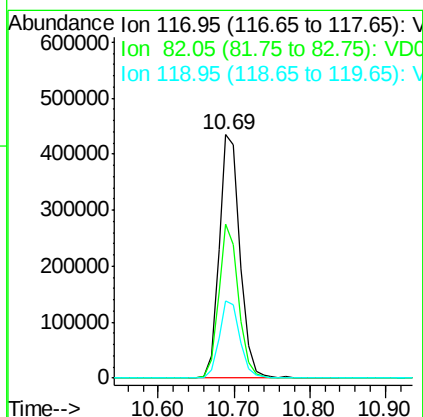
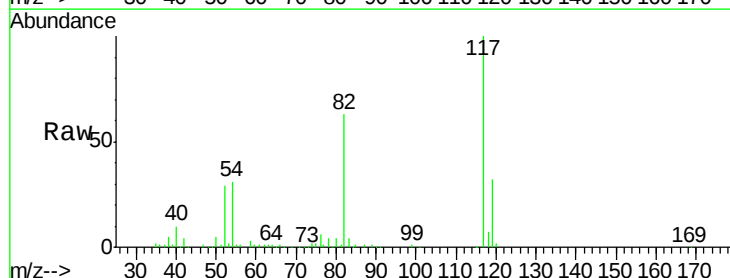
Instrument :
MSVOA_D
ClientSampleId :

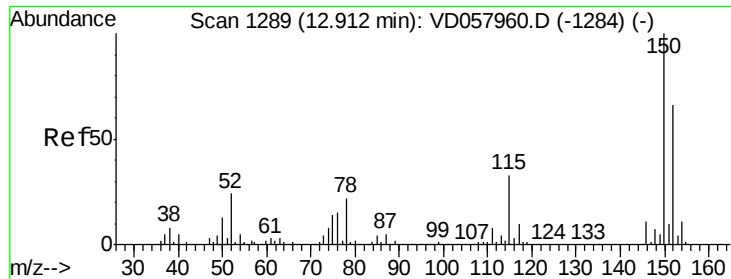
Tot Ion: 95 Resp: 334215
Ion Ratio Lower Upper
95 100
174 79.2 0.0 169.4
176 77.7 0.0 162.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VD058133.D
Acq: 14 Jun 2018 14:02

Tgt Ion: 117 Resp: 833060
Ion Ratio Lower Upper
117 100
82 63.0 46.8 70.2
119 31.7 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.91 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VD058133.D

Acq: 14 Jun 2018 14:02

Instrument :

MSVOA_D

ClientSampleId :

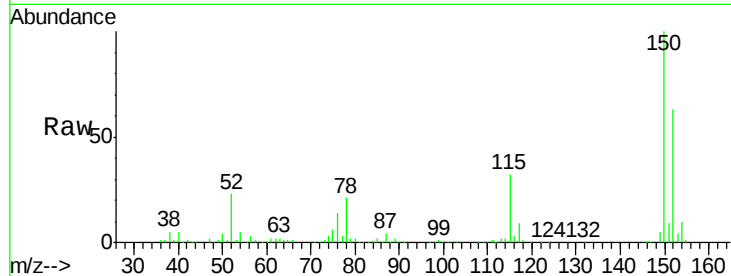
Tot Ion:152 Resp: 422508

Ion Ratio Lower Upper

152 100

115 50.2 25.6 76.6

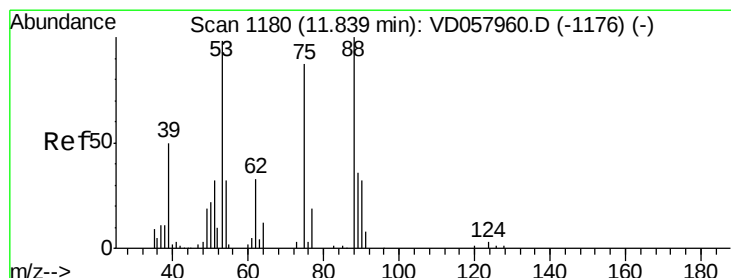
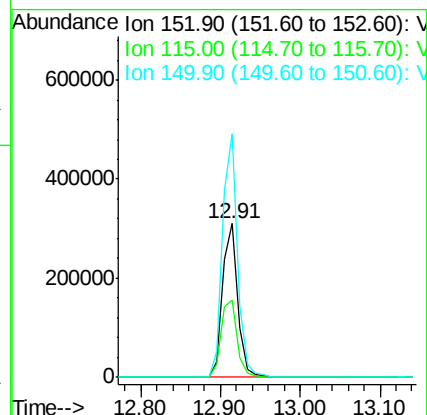
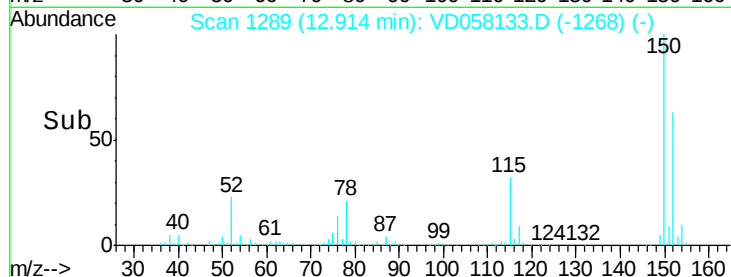
150 158.2 0.0 306.8



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: 106.295 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.09 min

Lab File: VD058133.D

Acq: 14 Jun 2018 14:02

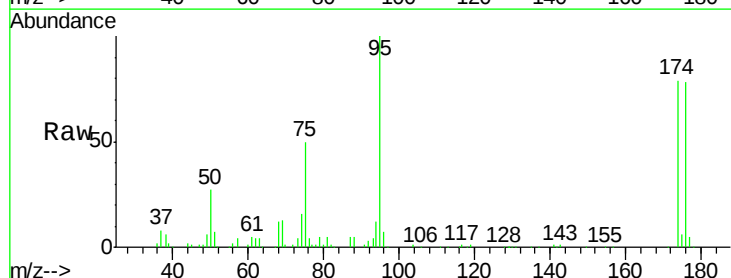
Tgt Ion: 75 Resp: 167093

Ion Ratio Lower Upper

75 100

53 0.0 89.3 133.9#

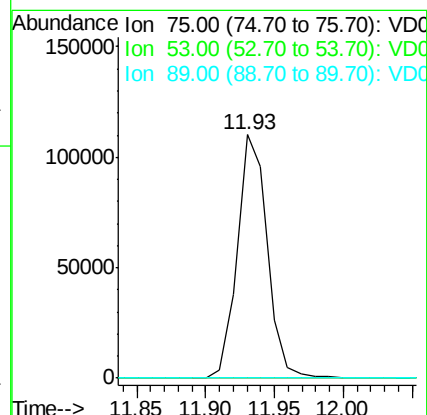
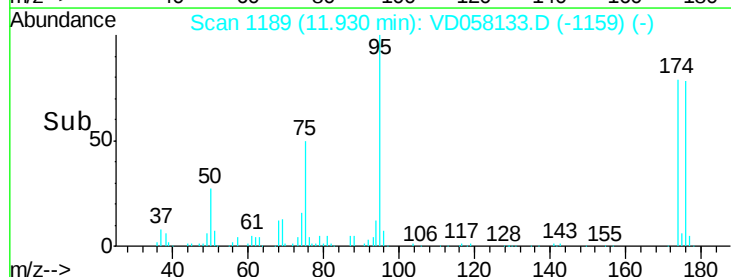
89 0.0 33.3 49.9#

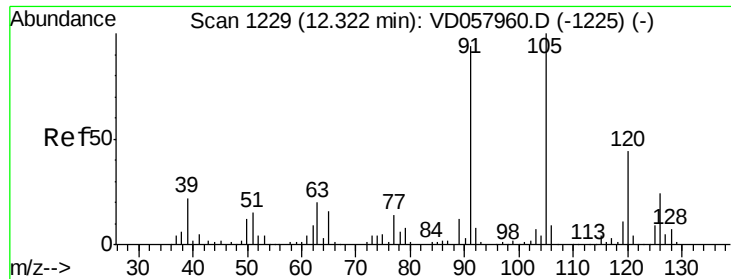


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

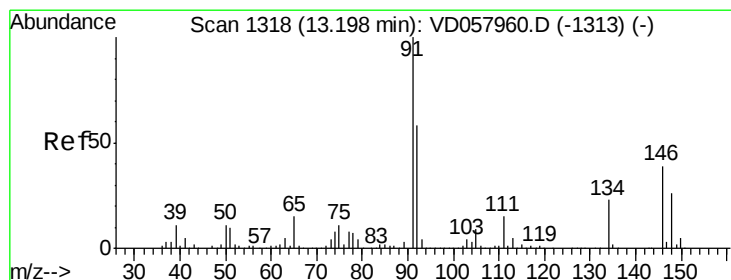
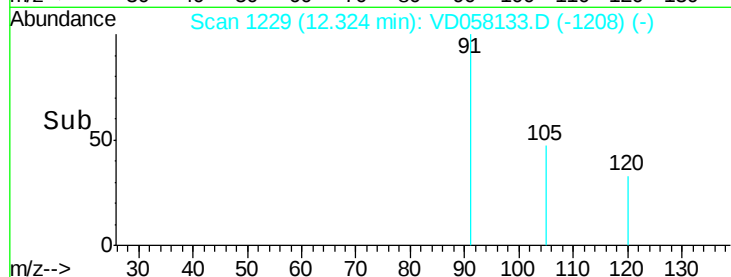
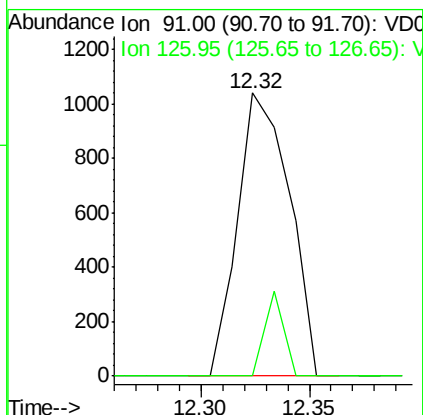
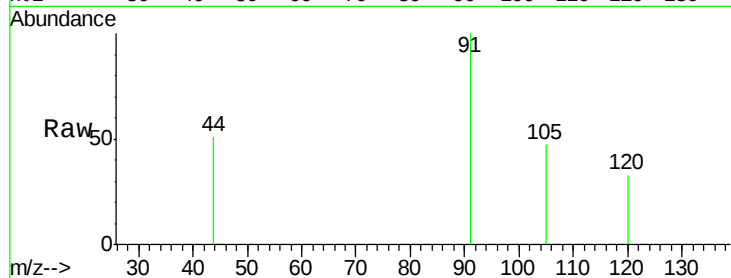




#82
4-Chlorotoluene
Concen: Below Cal
RT: 12.32 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VD058133.D
Acq: 14 Jun 2018 14:02

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 1730
Ion Ratio Lower Upper
91 100
126 0.0 12.5 37.5#



#89
n-Butylbenzene
Concen: Below Cal
RT: 13.20 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VD058133.D
Acq: 14 Jun 2018 14:02

Tgt Ion: 91 Resp: 1323
Ion Ratio Lower Upper
91 100
92 60.5 29.2 87.6
134 0.0 11.3 33.9#

