

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062218\
 Data File : VD058337.D
 Acq On : 23 Jun 2018 12:16
 Operator : VA/AP
 Sample : J3582-09
 Misc : 5.64g/5ml/MSVOA D/SOIL
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SSP-C-3-GRAB

Quant Time: Jun 25 00:57:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	547208	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.71	114	774180	50.00	ug/l	0.01
63) Chlorobenzene-d5	10.69	117	529010	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	190226	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	288674	52.23	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	104.46%	
35) Dibromofluoromethane	5.56	113	312811	49.64	ug/l	0.01
Spiked Amount				50.000		
			Recovery	=	99.28%	
50) Toluene-d8	8.71	98	665467	43.65	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	87.30%	
62) 4-Bromofluorobenzene	11.93	95	219144	35.19	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	70.38%	

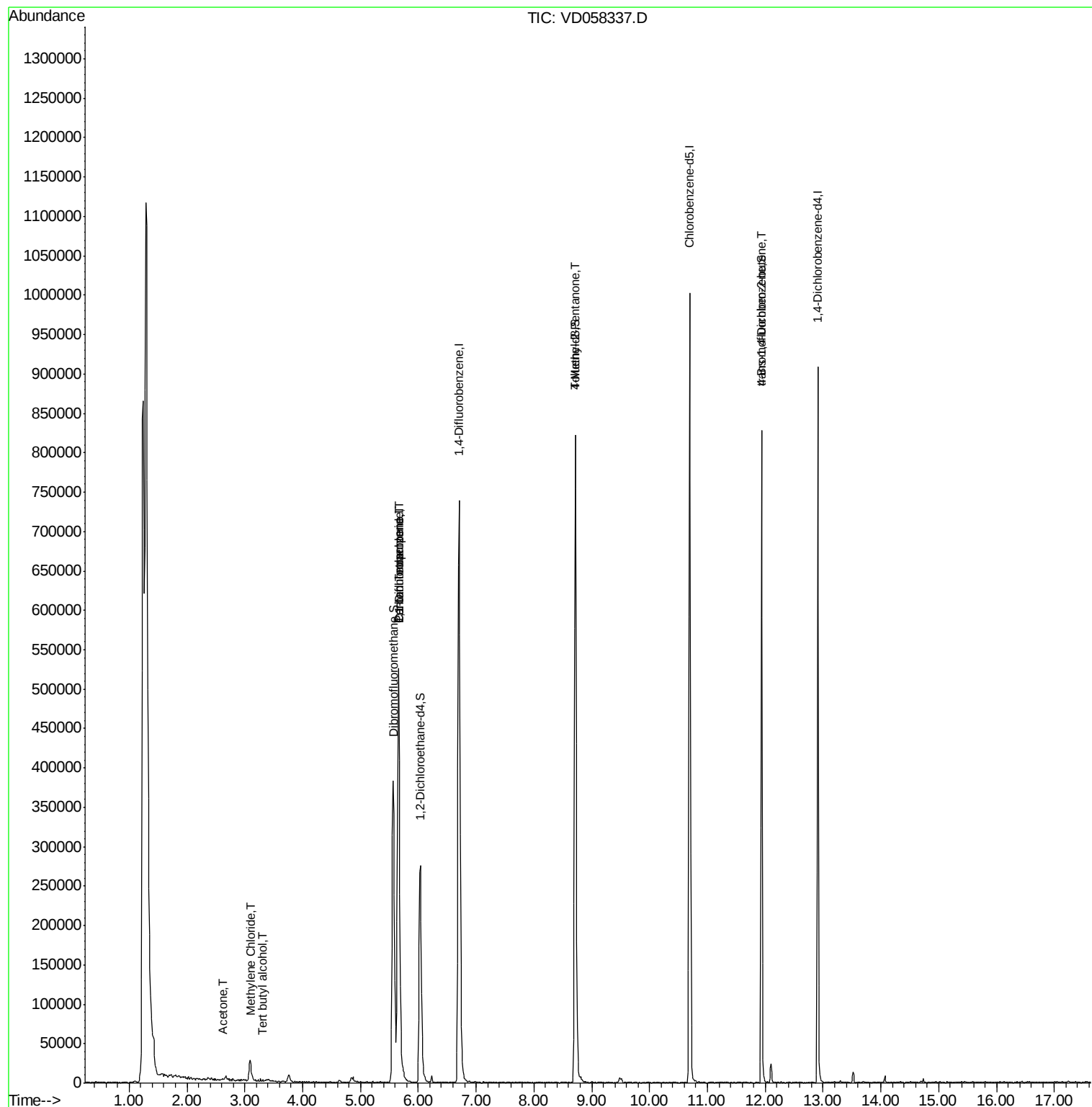
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.35	50	216	Below Cal	#	43
5) Bromomethane	1.82	94	180	Below Cal	#	3
11) Tert butyl alcohol	3.30	59	202	1.108	ug/l #	78
16) Acetone	2.62	43	1996	2.641	ug/l #	55
20) Methylene Chloride	3.09	84	11469	1.157	ug/l #	79
31) Cyclohexane	5.66	56	13363	Below Cal	#	1
36) 1,1-Dichloropropene	5.65	75	47451	6.196	ug/l #	50
38) Carbon Tetrachloride	5.65	117	44347	5.828	ug/l #	14
51) 4-Methyl-2-Pentanone	8.72	43	4211	1.110	ug/l #	1
81) trans-1,4-Dichloro-2-buten	11.93	75	106064	156.580	ug/l #	1
82) 4-Chlorotoluene	12.33	91	200	Below Cal	#	45

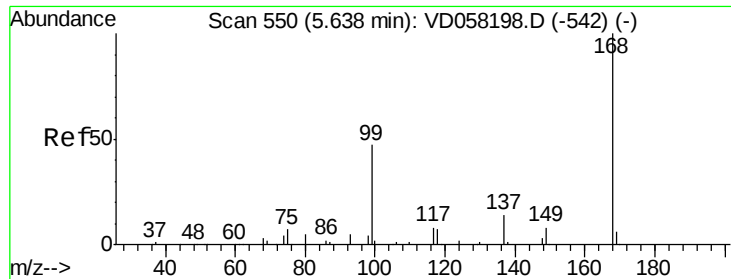
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062218\
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Quant Title : SW846 8260
QLast Update : Wed Jun 20 05:52:56 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 552

Delta R.T. 0.02 min

Lab File: VD058337.D

Acq: 23 Jun 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

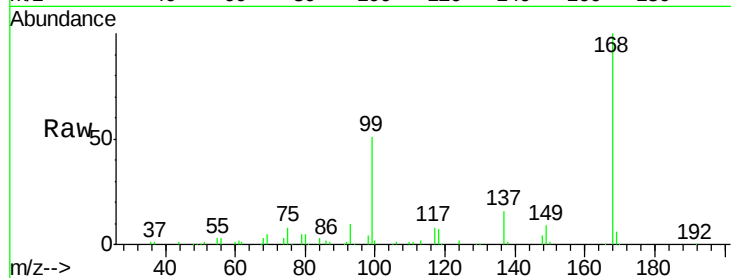
SSP-C-3-GRAB

Tot Ion:168 Resp: 547208

Ion Ratio Lower Upper

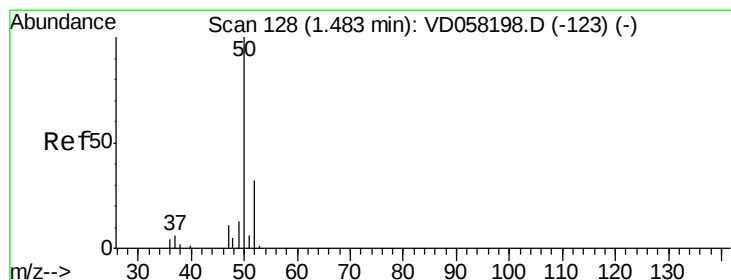
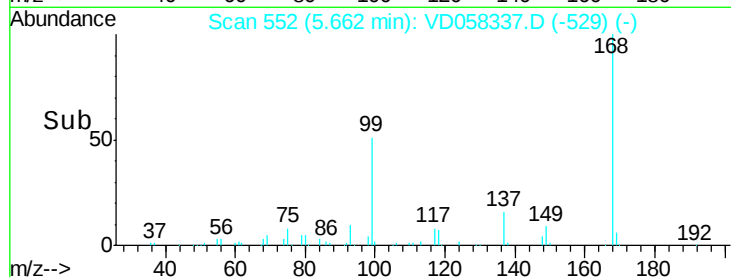
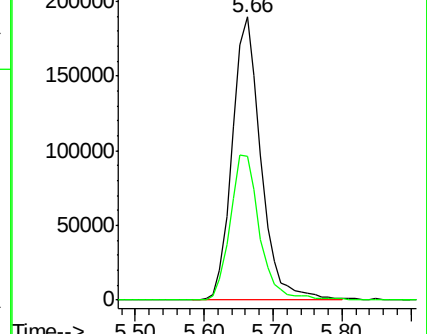
168 100

99 50.7 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#3

Chloromethane

Concen: Below Cal

RT: 1.35 min Scan# 114

Delta R.T. -0.13 min

Lab File: VD058337.D

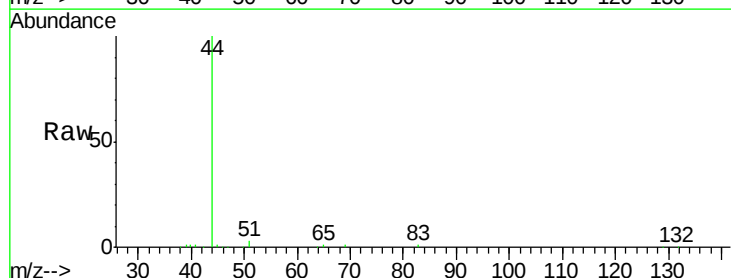
Acq: 23 Jun 2018 12:16

Tgt Ion: 50 Resp: 216

Ion Ratio Lower Upper

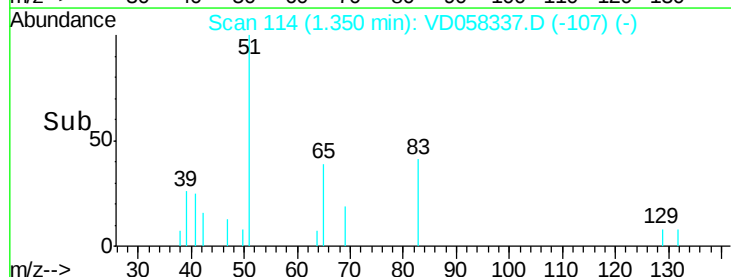
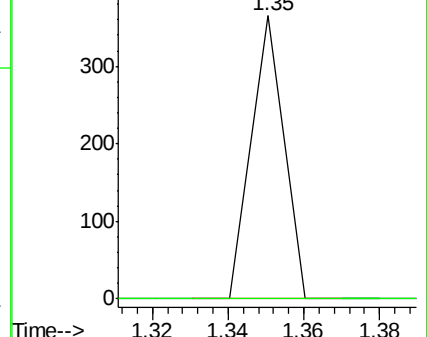
50 100

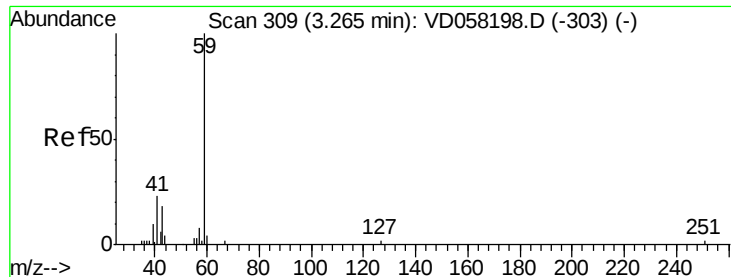
52 0.0 25.0 37.4#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

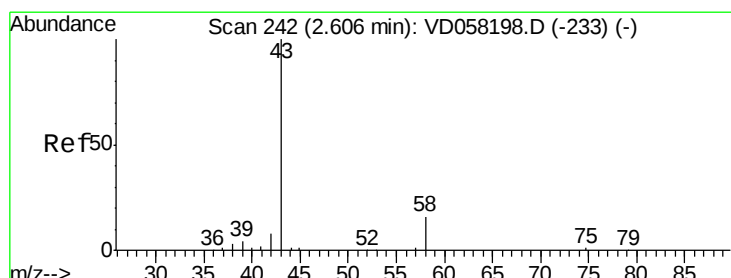
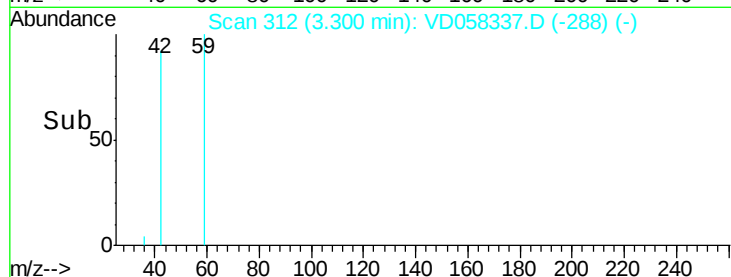
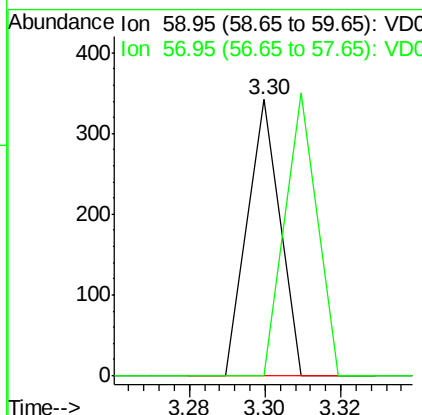
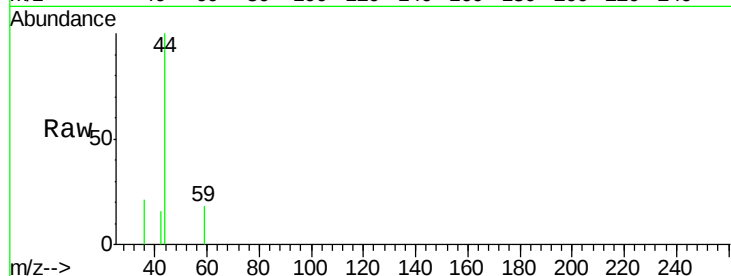




#11
Tert butyl alcohol
Concen: 1.108 ug/l
RT: 3.30 min Scan# 312
Delta R.T. 0.03 min
Lab File: VD058337.D
Acq: 23 Jun 2018 12:16

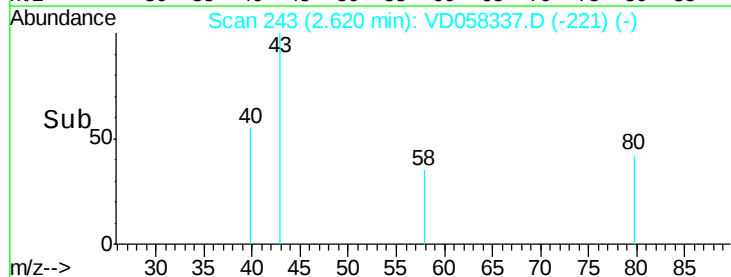
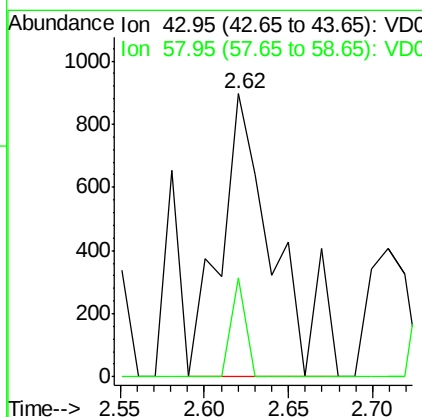
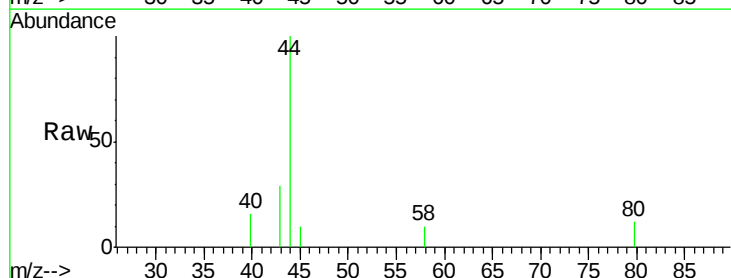
Instrument :
MSVOA_D
ClientSampleId :
SSP-C-3-GRAB

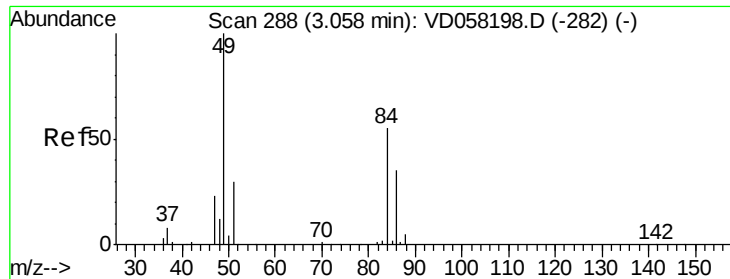
Tot Ion: 59 Resp: 202
Ion Ratio Lower Upper
59 100
57 0.0 6.2 9.4#



#16
Acetone
Concen: 2.641 ug/l
RT: 2.62 min Scan# 243
Delta R.T. 0.01 min
Lab File: VD058337.D
Acq: 23 Jun 2018 12:16

Tgt Ion: 43 Resp: 1996
Ion Ratio Lower Upper
43 100
58 34.8 12.7 19.1#

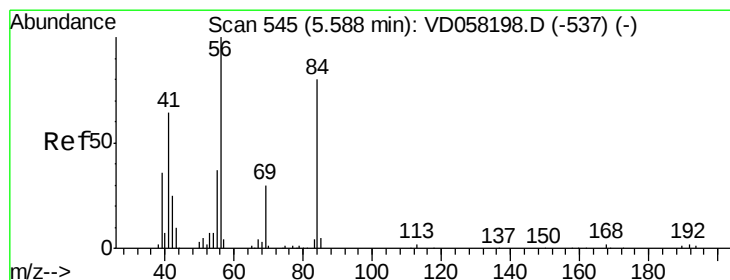
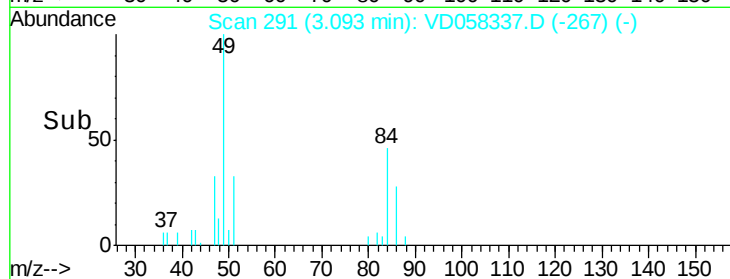
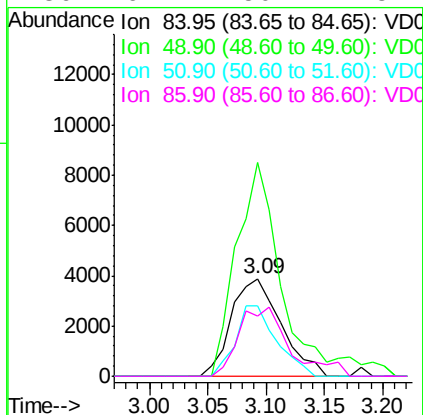
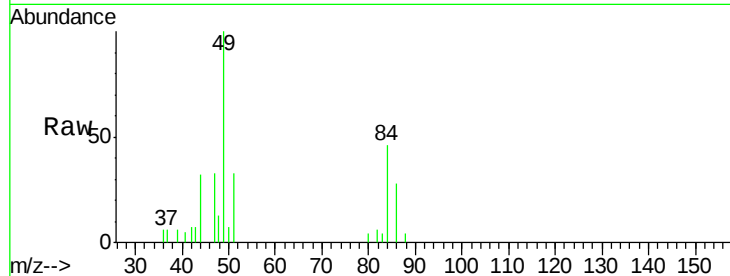




#20
Methvlene Chloride
Concen: 1.157 ug/l
RT: 3.09 min Scan# 291
Delta R.T. 0.03 min
Lab File: VD058337.D
Acq: 23 Jun 2018 12:16

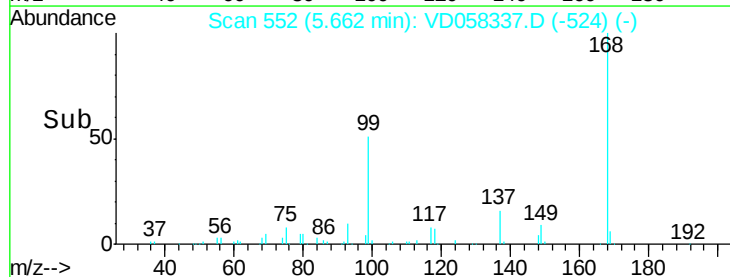
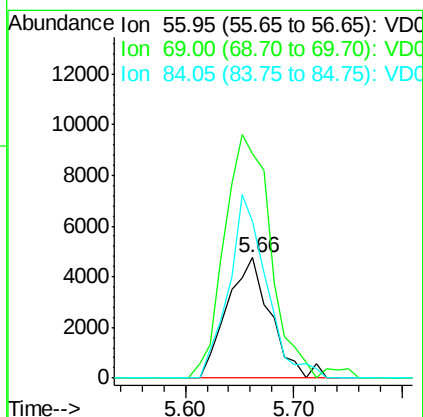
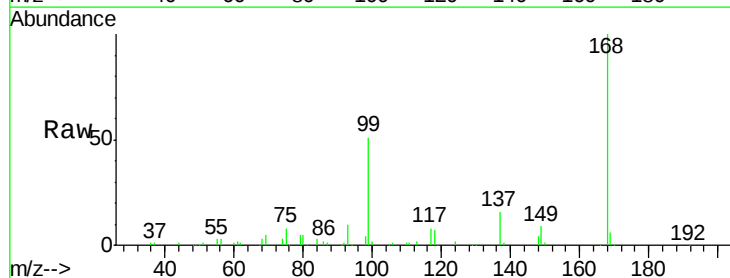
Instrument :
MSVOA_D
ClientSampleId :
SSP-C-3-GRAB

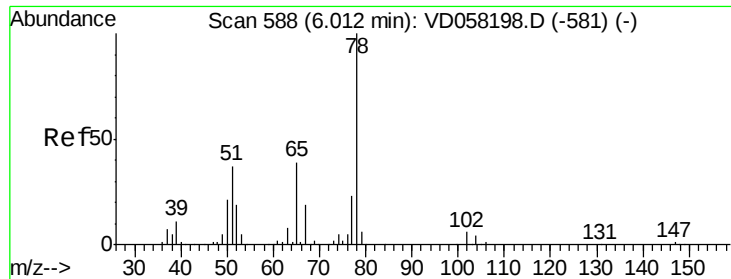
Tot Ion: 84 Resp: 11469
Ion Ratio Lower Upper
84 100
49 218.8 145.0 217.6#
51 71.6 42.9 64.3#
86 61.7 50.1 75.1



#31
Cyclohexane
Concen: Below Cal
RT: 5.66 min Scan# 552
Delta R.T. 0.07 min
Lab File: VD058337.D
Acq: 23 Jun 2018 12:16

Tgt Ion: 56 Resp: 13363
Ion Ratio Lower Upper
56 100
69 185.7 23.6 35.4#
84 129.3 65.2 97.8#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.04 min Scan# 590

Delta R.T. 0.02 min

Lab File: VD058337.D

Acq: 23 Jun 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

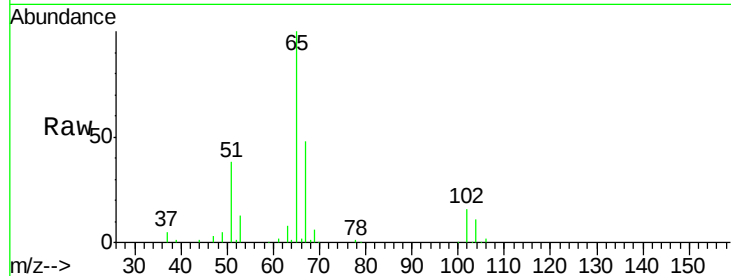
SSP-C-3-GRAB

Tot Ion: 65 Resp: 288674

Ion Ratio Lower Upper

65 100

67 48.1 0.0 97.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.04

120000

100000

80000

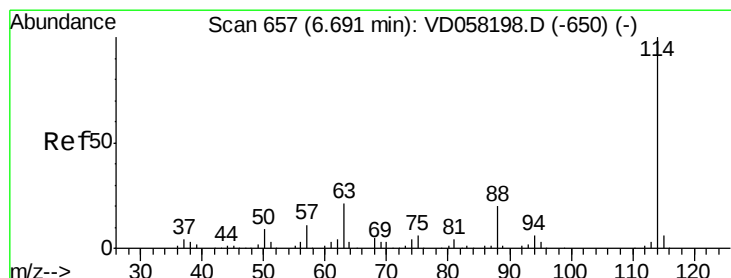
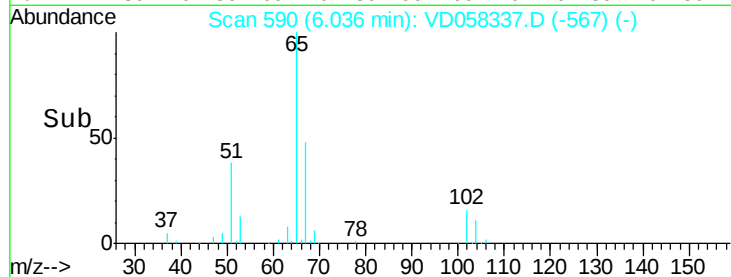
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.71 min Scan# 658

Delta R.T. 0.01 min

Lab File: VD058337.D

Acq: 23 Jun 2018 12:16

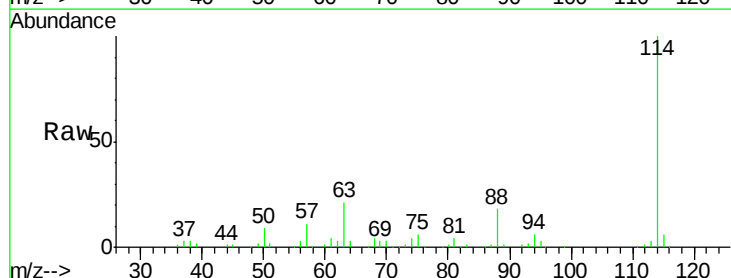
Tgt Ion: 114 Resp: 774180

Ion Ratio Lower Upper

114 100

63 20.7 0.0 42.6

88 18.4 0.0 40.6



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

6.71

400000

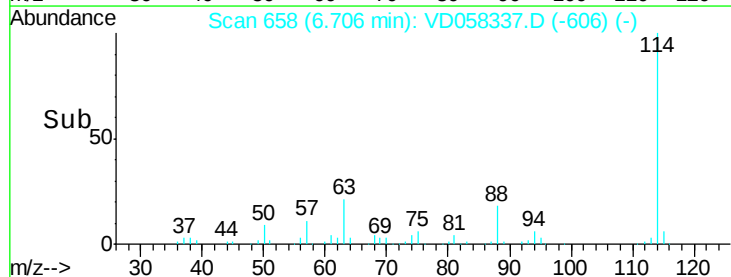
300000

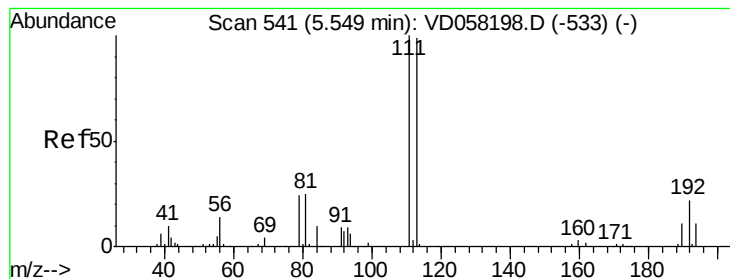
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.56 min Scan# 542

Delta R.T. 0.01 min

Lab File: VD058337.D

Acq: 23 Jun 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

SSP-C-3-GRAB

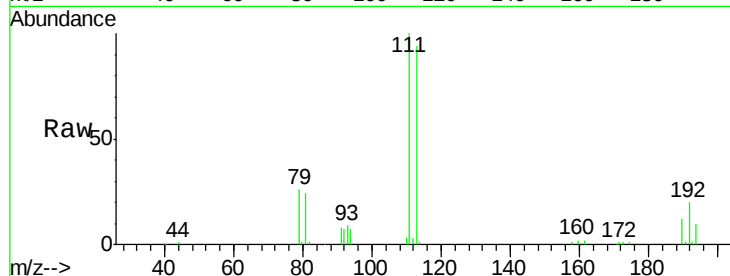
Tot Ion:113 Resp: 312811

Ion Ratio Lower Upper

113 100

111 106.7 80.6 121.0

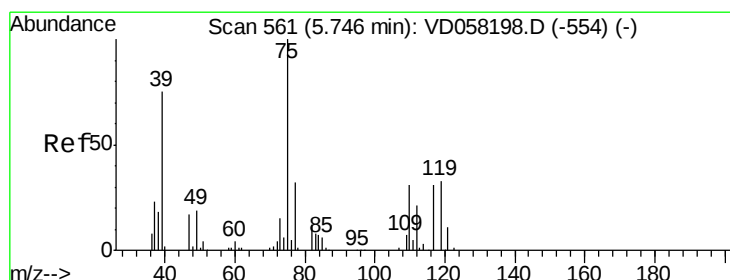
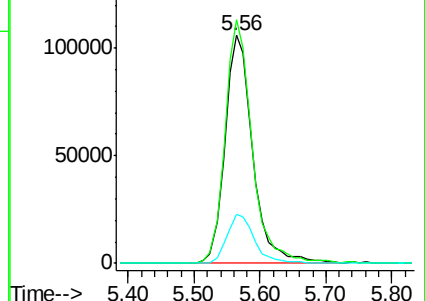
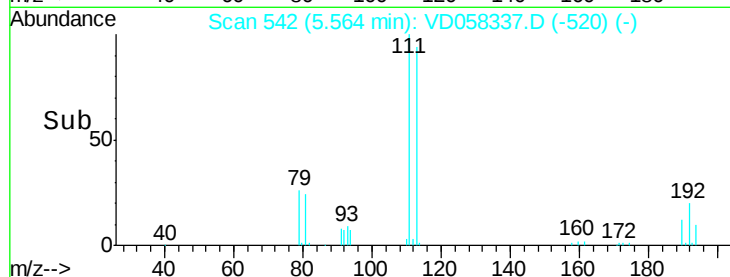
192 21.7 17.8 26.6



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: 6.196 ug/l

RT: 5.65 min Scan# 551

Delta R.T. -0.09 min

Lab File: VD058337.D

Acq: 23 Jun 2018 12:16

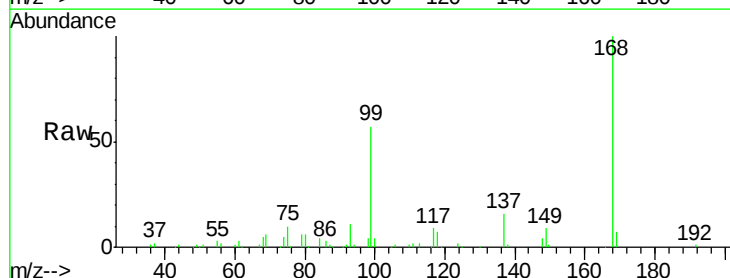
Tgt Ion: 75 Resp: 47451

Ion Ratio Lower Upper

75 100

110 7.1 15.4 46.4#

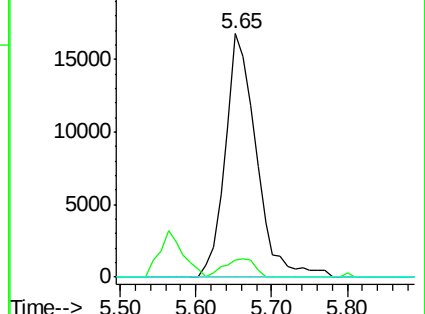
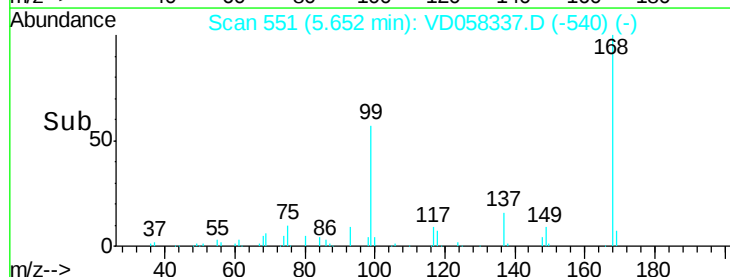
77 0.0 25.4 38.2#

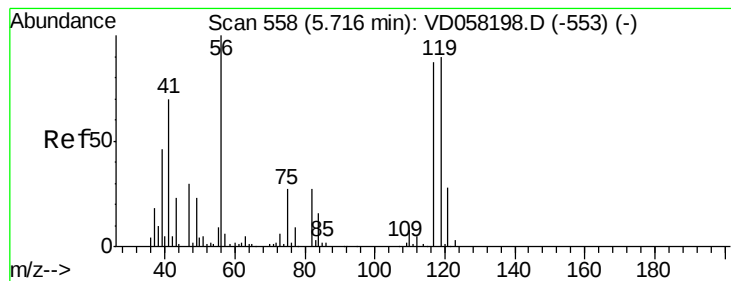


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC





#38

Carbon Tetrachloride

Concen: 5.828 ug/l

RT: 5.65 min Scan# 551

Delta R.T. -0.06 min

Lab File: VD058337.D

Acq: 23 Jun 2018 12:16

Instrument :

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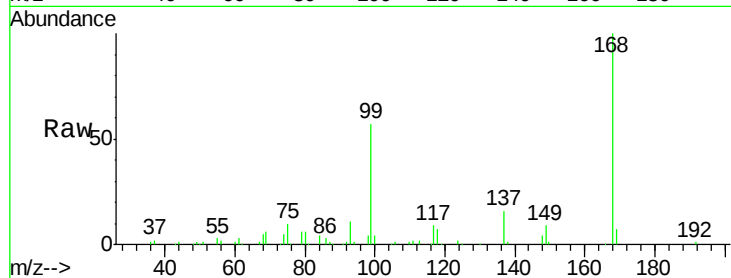
Tot Ion:117 Resp: 44347

Ion Ratio Lower Upper

117 100

119 3.9 78.8 118.2#

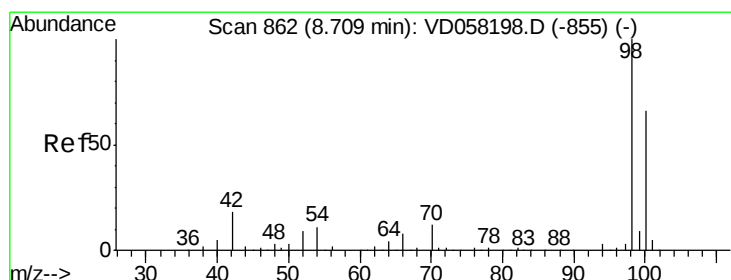
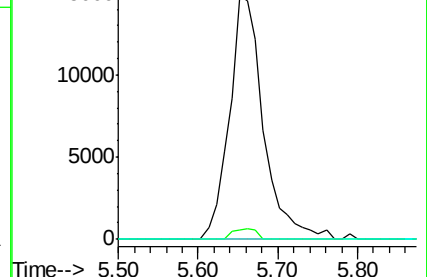
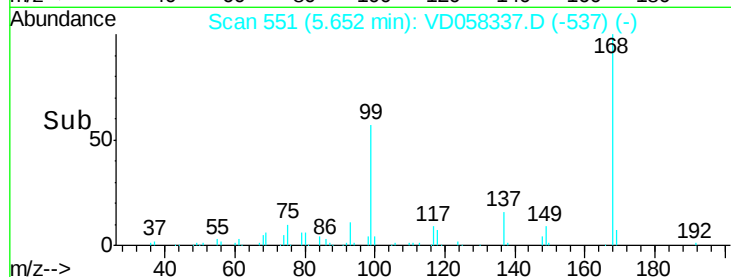
121 0.0 25.0 37.6#



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: 8.71 min Scan# 862

Delta R.T. 0.00 min

Lab File: VD058337.D

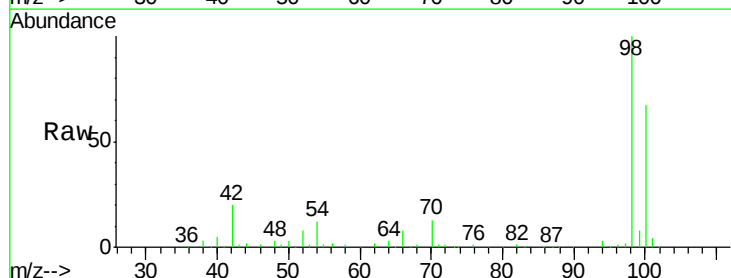
Acq: 23 Jun 2018 12:16

Tgt Ion: 98 Resp: 665467

Ion Ratio Lower Upper

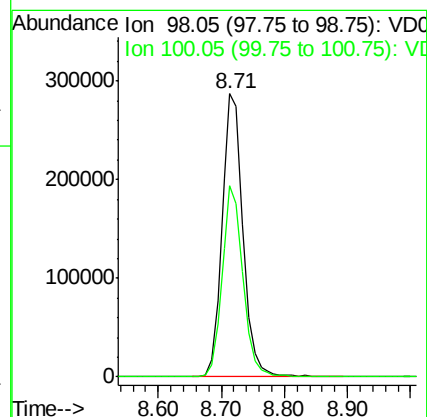
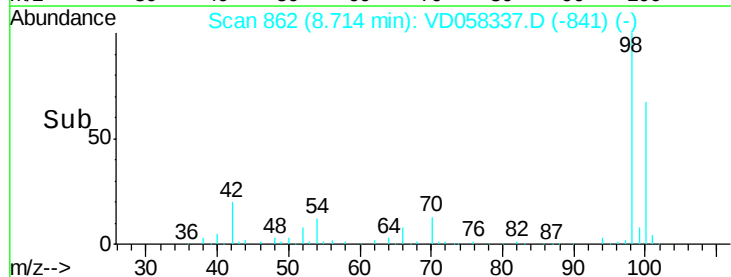
98 100

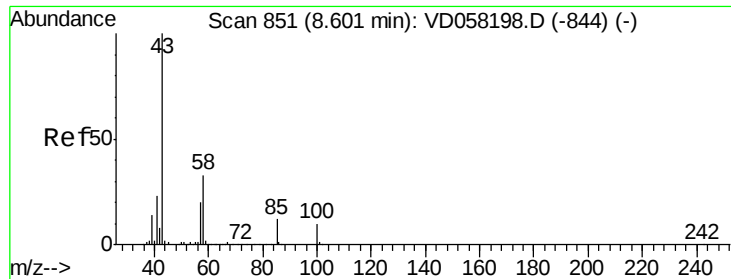
100 67.4 53.6 80.4



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#51

4-Methyl-2-Pentanone

Concen: 1.110 ug/l

RT: 8.72 min Scan# 863

Delta R.T. 0.12 min

Lab File: VD058337.D

Acq: 23 Jun 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

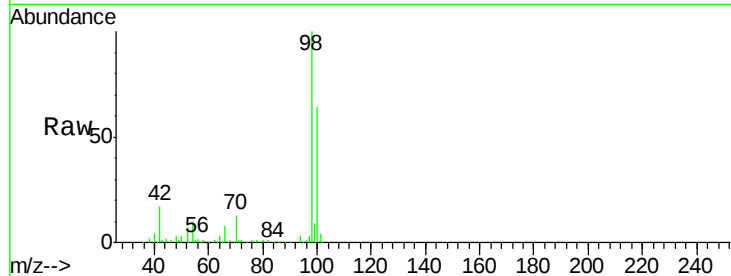
SSP-C-3-GRAB

Tot Ion: 43 Resp: 4211

Ion Ratio Lower Upper

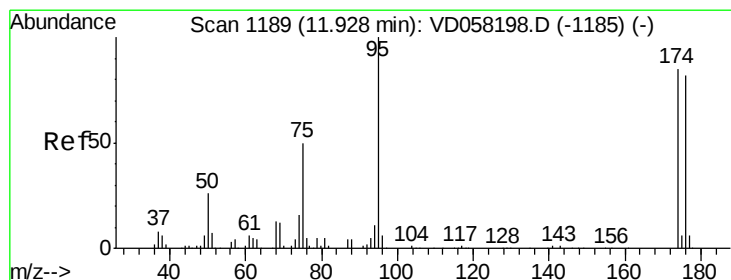
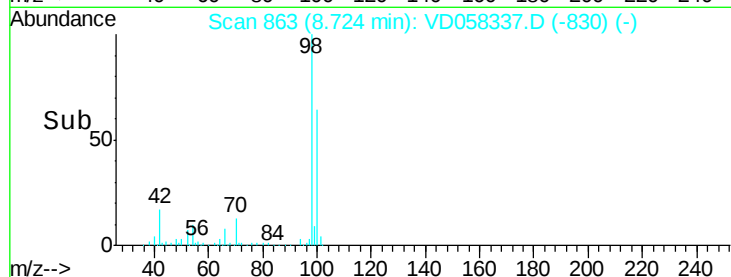
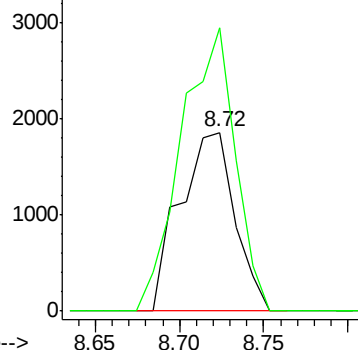
43 100

58 158.2 26.7 40.1#



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: 11.93 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VD058337.D

Acq: 23 Jun 2018 12:16

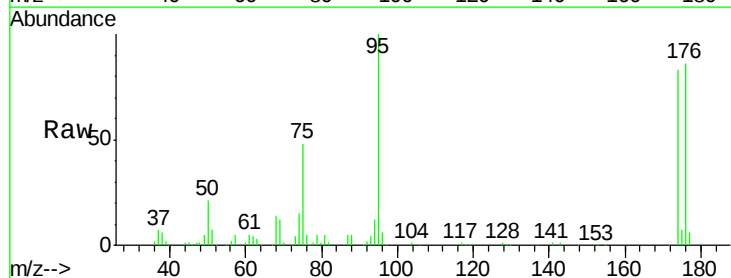
Tgt Ion: 95 Resp: 219144

Ion Ratio Lower Upper

95 100

174 82.8 0.0 170.2

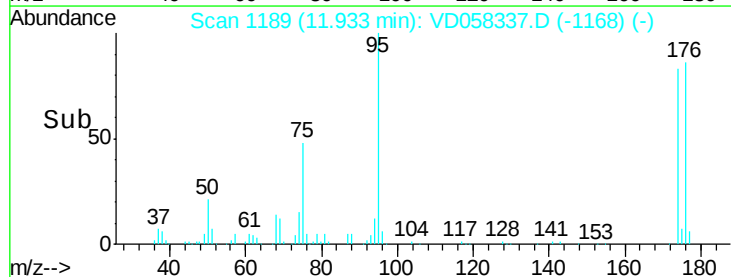
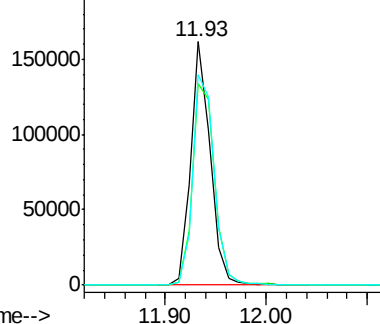
176 86.4 0.0 164.6

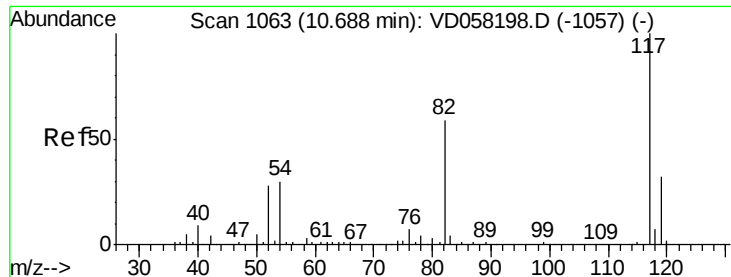


Abundance Ion 95.00 (94.70 to 95.70): VDC

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: 10.69 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VD058337.D

Acq: 23 Jun 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

SSP-C-3-GRAB

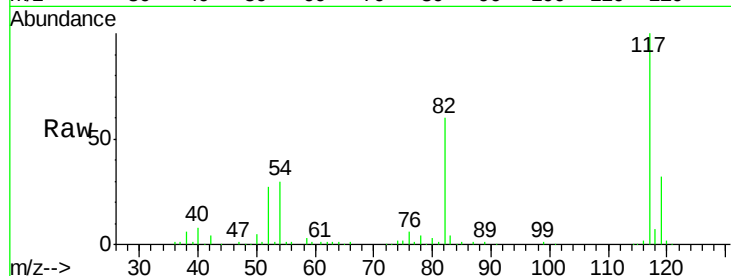
Tot Ion:117 Resp: 529010

Ion Ratio Lower Upper

117 100

82 59.5 47.0 70.6

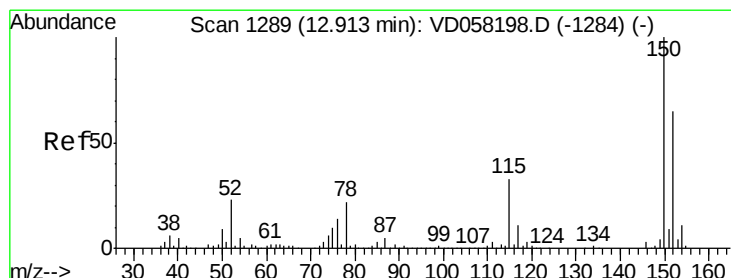
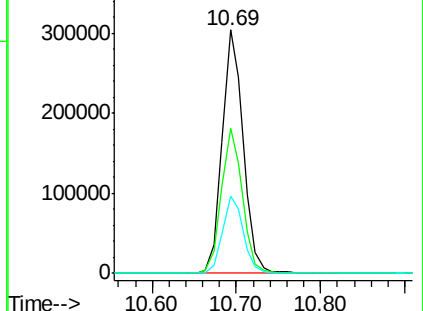
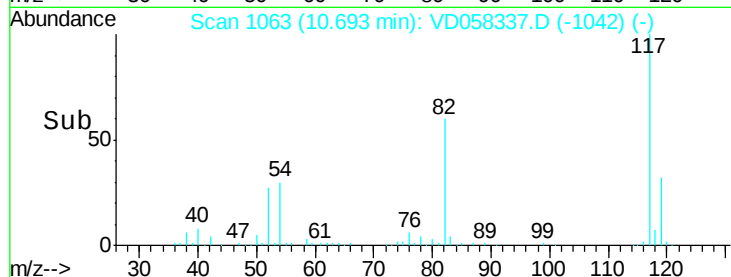
119 31.6 25.3 37.9



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: 12.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VD058337.D

Acq: 23 Jun 2018 12:16

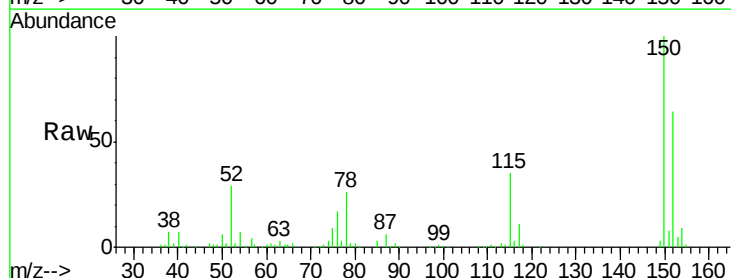
Tgt Ion:152 Resp: 190226

Ion Ratio Lower Upper

152 100

115 55.4 25.1 75.3

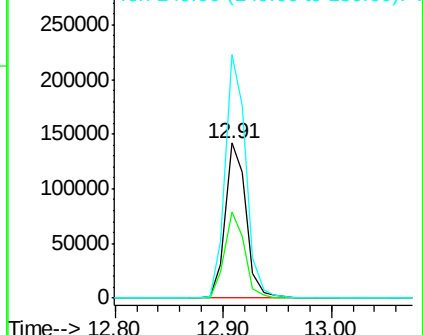
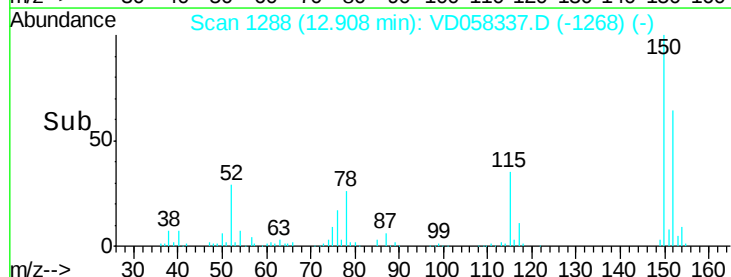
150 157.0 0.0 308.8

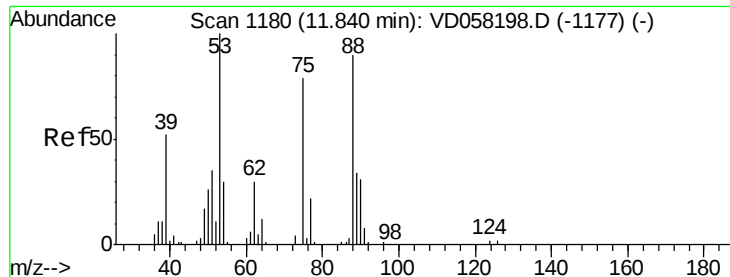


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V

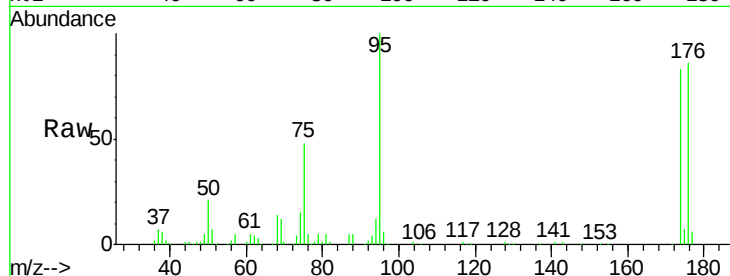




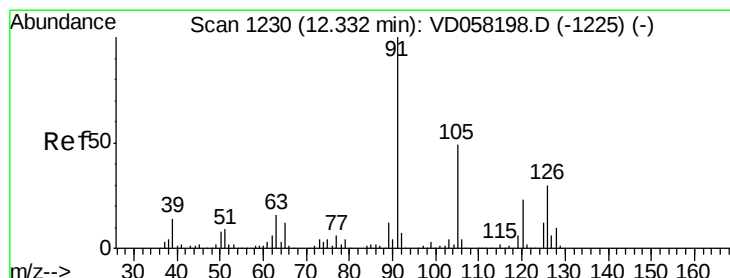
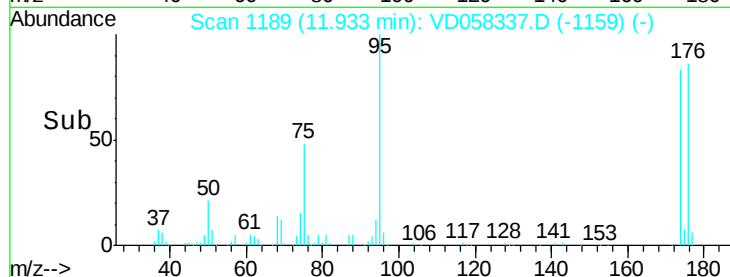
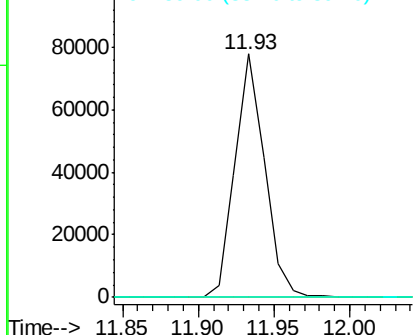
#81
trans-1,4-Dichloro-2-butene
Concen: 156.580 ug/l
RT: 11.93 min Scan# 1189
Delta R.T. 0.09 min
Lab File: VD058337.D
Acq: 23 Jun 2018 12:16

Instrument :
MSVOA_D
ClientSampleId :
SSP-C-3-GRAB

Tot Ion: 75 Resp: 106064
Ion Ratio Lower Upper
75 100
53 0.0 100.8 151.2#
89 0.0 34.6 52.0#

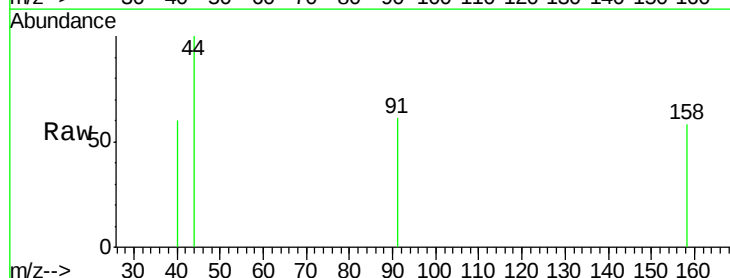


Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82
4-Chlorotoluene
Concen: Below Cal
RT: 12.33 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VD058337.D
Acq: 23 Jun 2018 12:16

Tgt Ion: 91 Resp: 200
Ion Ratio Lower Upper
91 100
126 0.0 14.9 44.9#



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V

