

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062118\
 Data File : VD058289.D
 Acq On : 22 Jun 2018 10:55
 Operator : VA/AP
 Sample : J3582-08
 Misc : 6.28g/5ml/MSVOA D/SOIL
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SSP-C-2-GRAB

Quant Time: Jun 22 11:19:34 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	5.65	168	558447	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	764222	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	520854	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	175339	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.02	65	344384	61.05	ug/l	0.00
Spiked Amount			Recovery	=	122.10%	
35) Dibromofluoromethane	5.55	113	363716	58.48	ug/l	0.00
Spiked Amount			Recovery	=	116.96%	
50) Toluene-d8	8.71	98	683326	45.41	ug/l	0.00
Spiked Amount			Recovery	=	90.82%	
62) 4-Bromofluorobenzene	11.93	95	229324	37.31	ug/l	0.00
Spiked Amount			Recovery	=	74.62%	

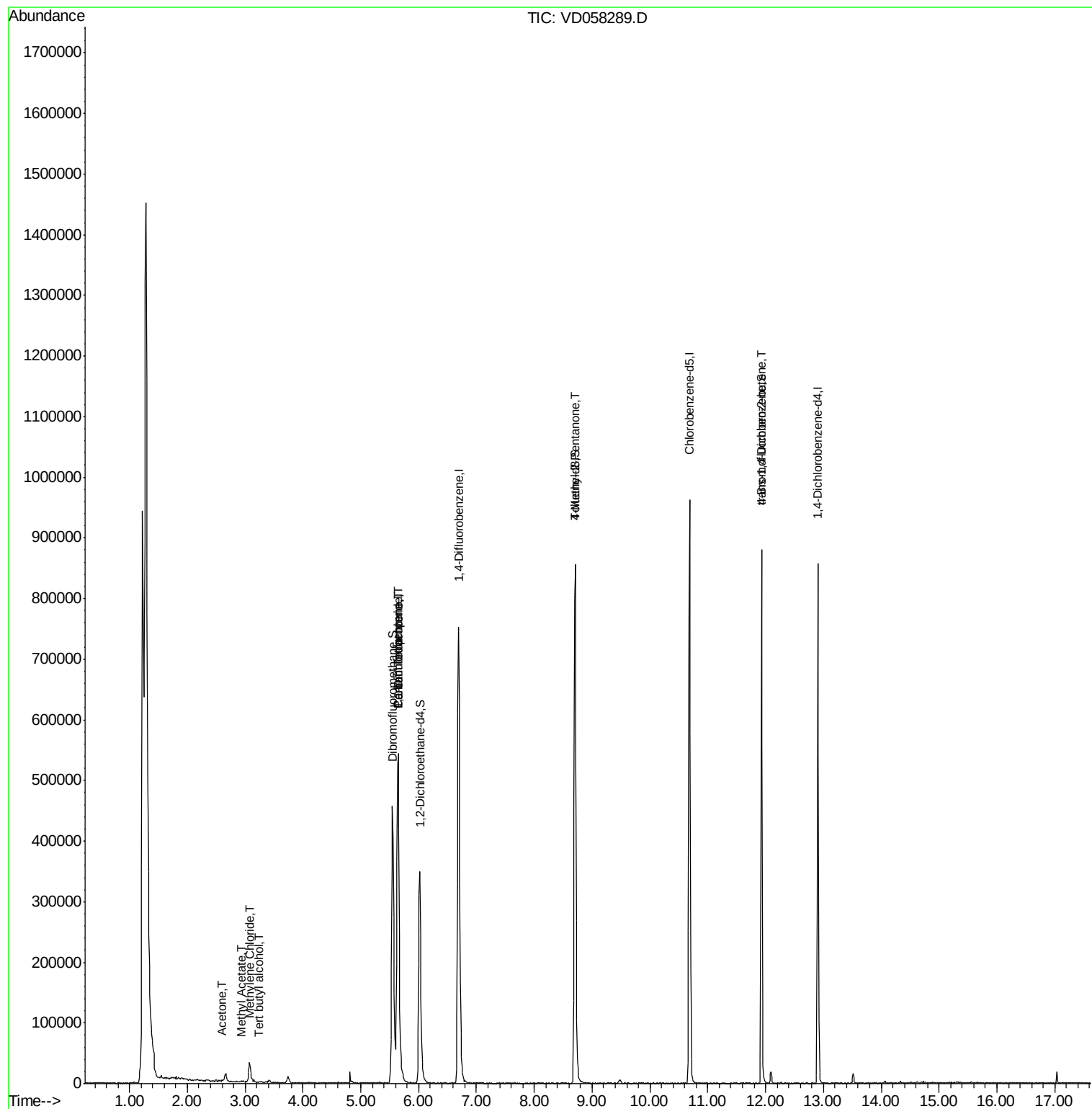
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.35	85	310	Below Cal	#	43
5) Bromomethane	1.81	94	238	Below Cal	#	3
11) Tert butyl alcohol	3.25	59	382	2.05	ug/l	78
16) Acetone	2.60	43	1185	1.54	ug/l	62
18) Methyl Acetate	2.94	43	2375	1.44	ug/l	65
20) Methylene Chloride	3.08	84	14229	2.54	ug/l	93
31) Cyclohexane	5.64	56	11281	Below Cal	#	1
36) 1,1-Dichloropropene	5.64	75	45683	6.04	ug/l	47
38) Carbon Tetrachloride	5.65	117	47191	6.28	ug/l	15
51) 4-Methyl-2-Pentanone	8.70	43	4815	1.29	ug/l	1
81) trans-1,4-Dichloro-2-buten	11.93	75	109060	174.67	ug/l	1

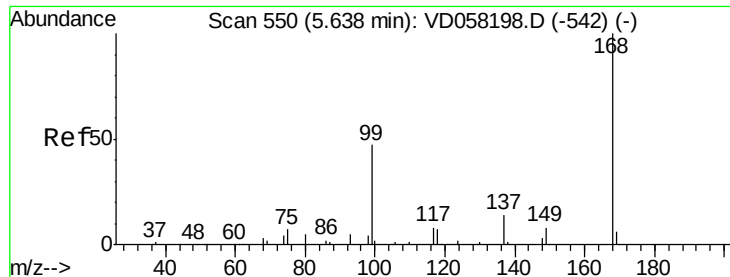
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jun 20 05:52:56 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.65 min Scan# 551

Delta R.T. 0.01 min

Lab File: VD058289.D

Acq: 22 Jun 2018 10:55

Instrument :

MSVOA_D

ClientSampleId :

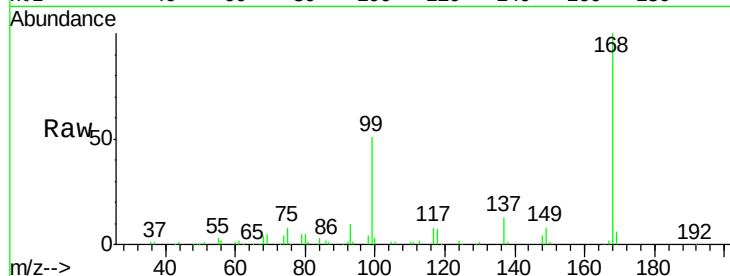
SSP-C-2-GRAB

Tot Ion:168 Resp: 558447

Ion Ratio Lower Upper

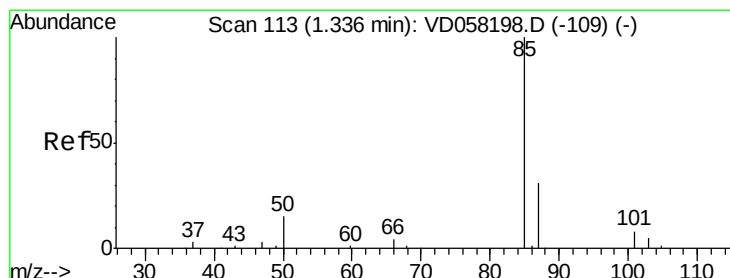
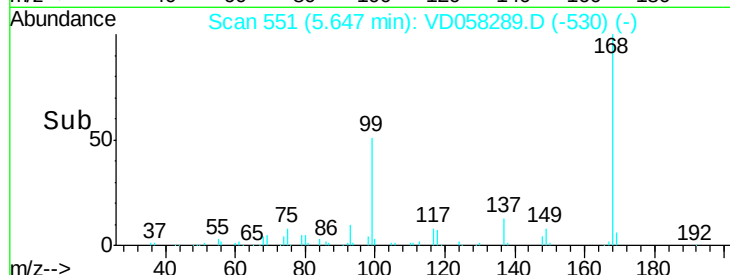
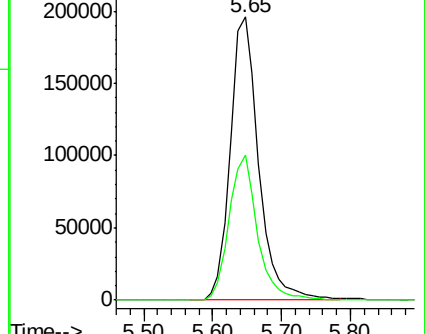
168 100

99 51.4 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.35 min Scan# 115

Delta R.T. 0.02 min

Lab File: VD058289.D

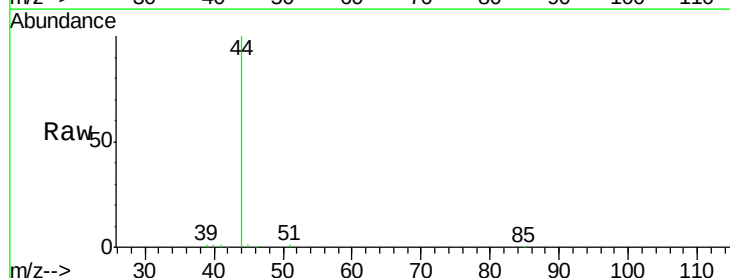
Acq: 22 Jun 2018 10:55

Tgt Ion: 85 Resp: 310

Ion Ratio Lower Upper

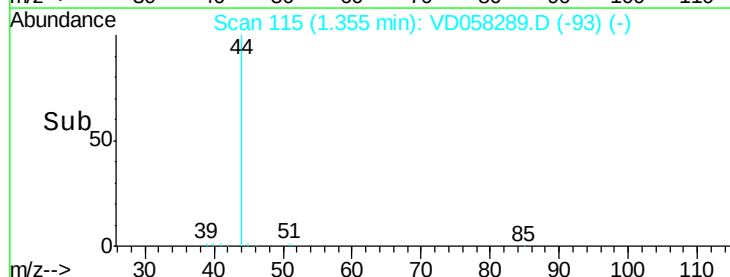
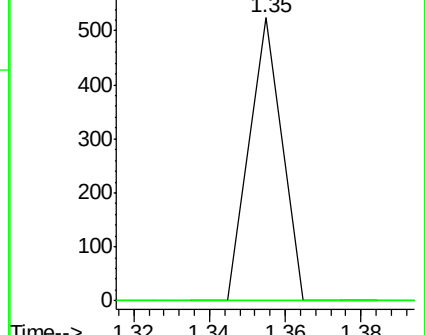
85 100

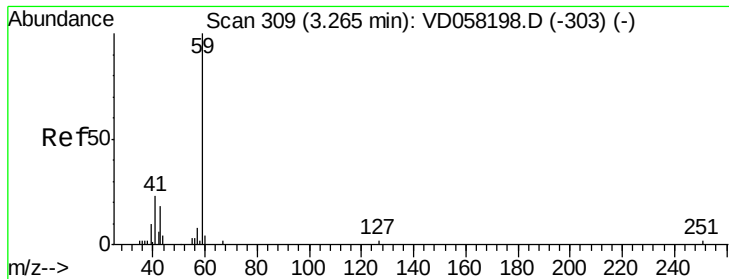
87 0.0 15.7 47.0#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC



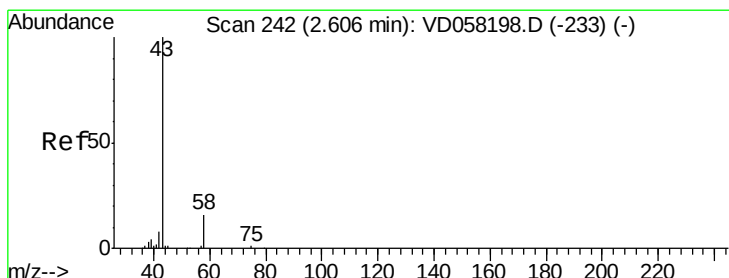
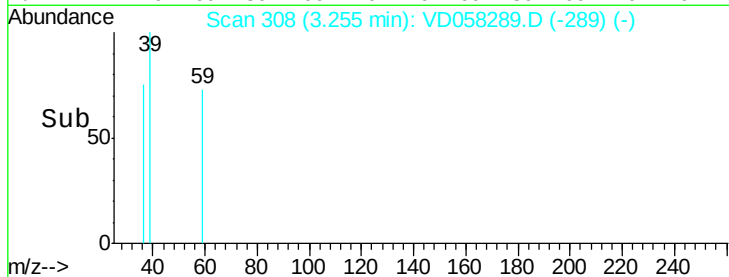
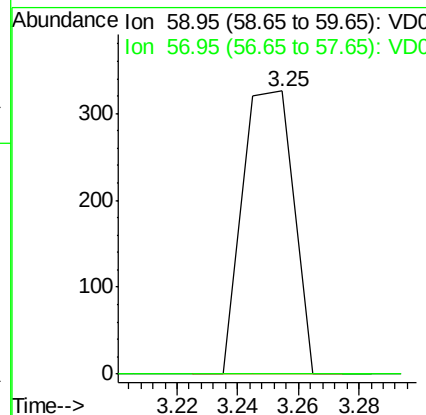
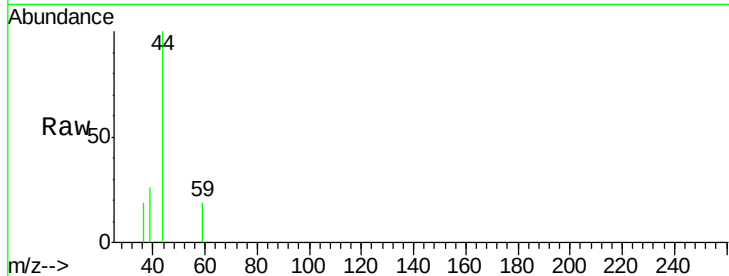


#11

Tert butyl alcohol
 Concen: 2.05 ug/l
 RT: 3.25 min Scan# 308
 Delta R.T. -0.01 min
 Lab File: VD058289.D
 Acq: 22 Jun 2018 10:55

Instrument :
 MSVOA_D
 ClientSampleId :
 SSP-C-2-GRAB

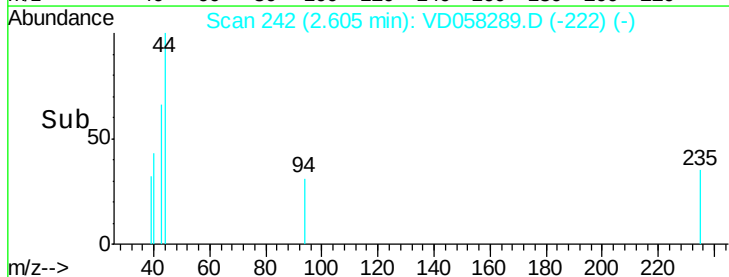
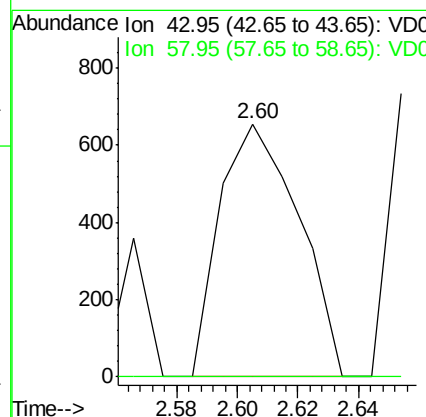
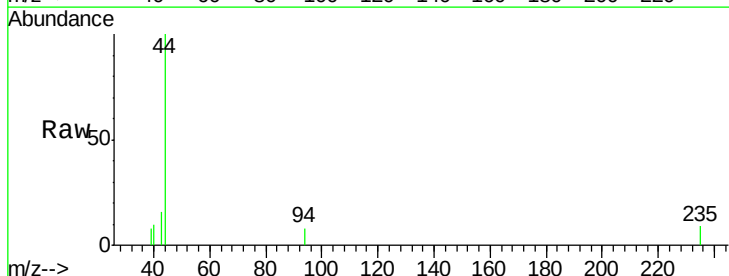
Tot Ion: 59 Resp: 382
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.2 9.4#

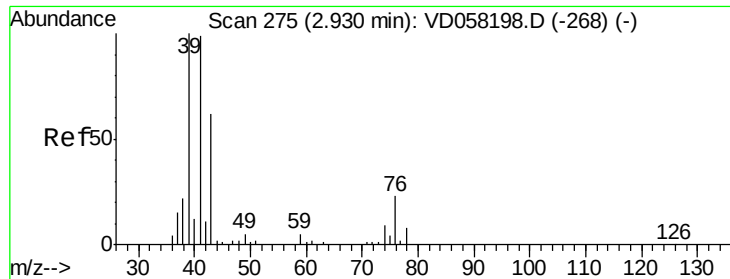


#16

Acetone
 Concen: 1.54 ug/l
 RT: 2.60 min Scan# 242
 Delta R.T. -0.00 min
 Lab File: VD058289.D
 Acq: 22 Jun 2018 10:55

Tgt Ion: 43 Resp: 1185
 Ion Ratio Lower Upper
 43 100
 58 0.0 12.7 19.1#

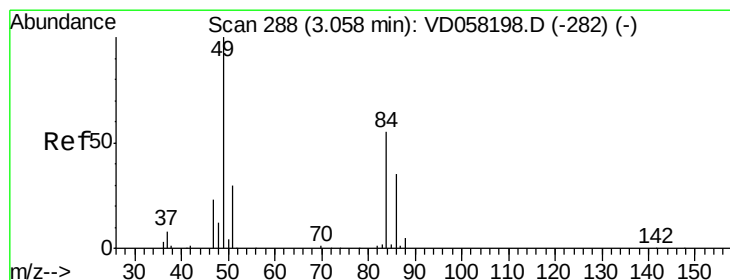
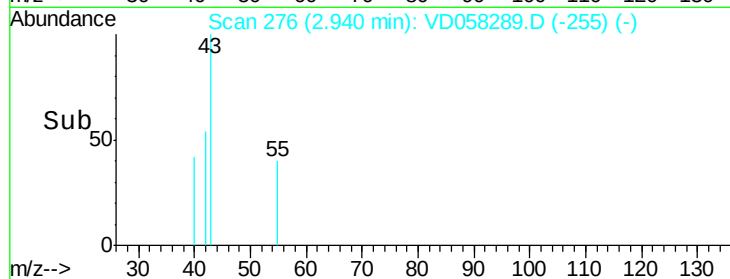
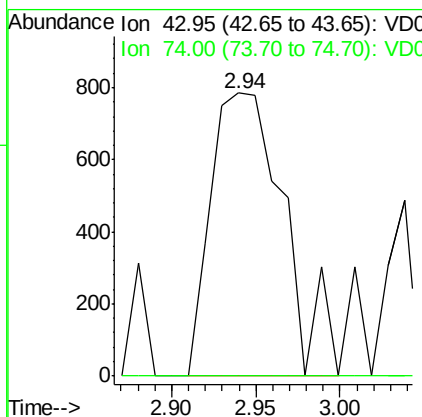
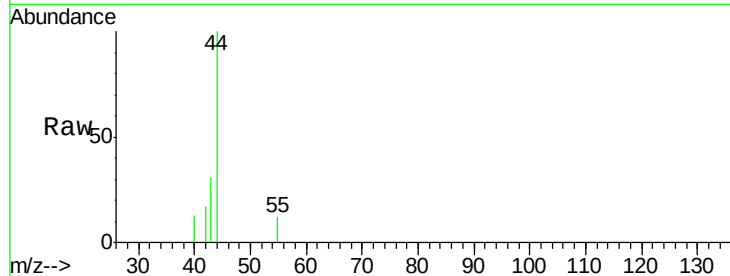




#18
Methyl Acetate
Concen: 1.44 ug/l
RT: 2.94 min Scan# 276
Delta R.T. 0.01 min
Lab File: VD058289.D
Acq: 22 Jun 2018 10:55

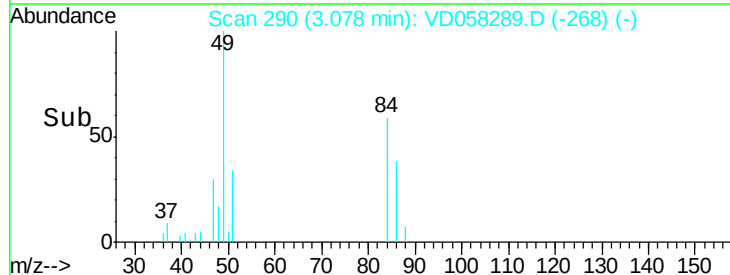
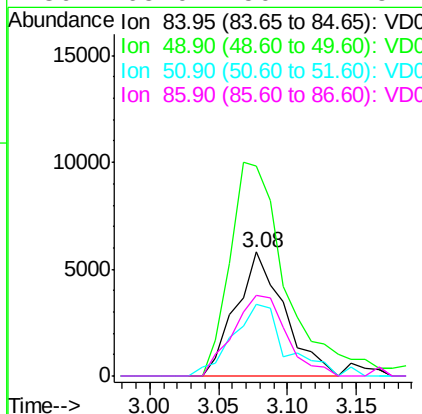
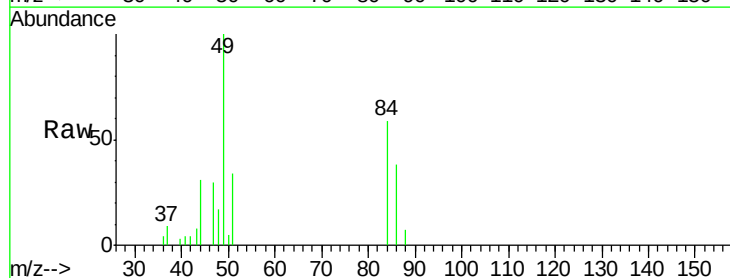
Instrument :
MSVOA_D
ClientSampleId :
SSP-C-2-GRAB

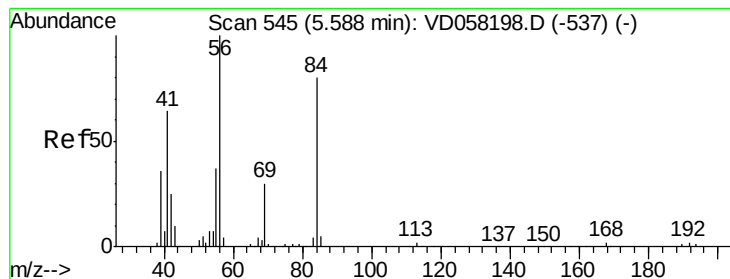
Tot Ion: 43 Resp: 2375
Ion Ratio Lower Upper
43 100
74 0.0 11.7 17.5#



#20
Methylene Chloride
Concen: 2.54 ug/l
RT: 3.08 min Scan# 290
Delta R.T. 0.02 min
Lab File: VD058289.D
Acq: 22 Jun 2018 10:55

Tgt Ion: 84 Resp: 14229
Ion Ratio Lower Upper
84 100
49 169.2 145.0 217.6
51 58.0 42.9 64.3
86 65.0 50.1 75.1





#31

Cyclohexane

Concen: Below Cal

RT: 5.64 min Scan# 550

Delta R.T. 0.05 min

Lab File: VD058289.D

Acq: 22 Jun 2018 10:55

Instrument :

MSVOA_D

ClientSampleId :

SSP-C-2-GRAB

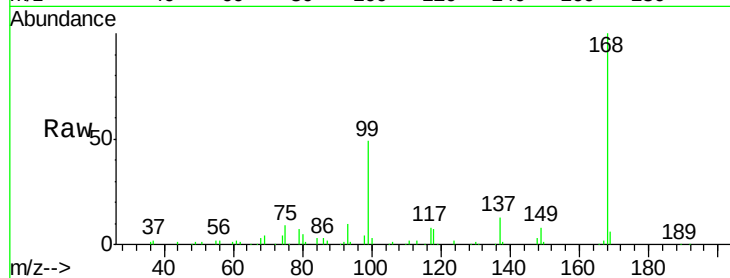
Tot Ion: 56 Resp: 11281

Ion Ratio Lower Upper

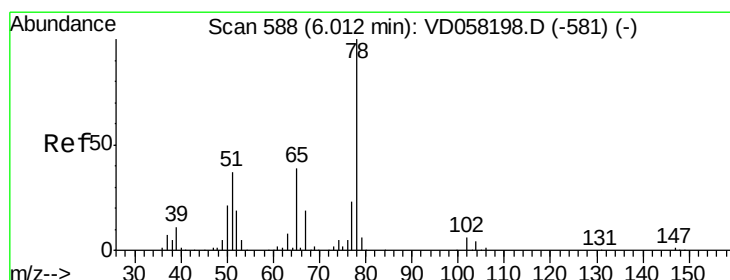
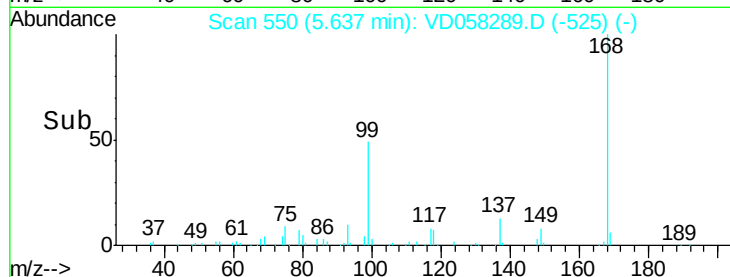
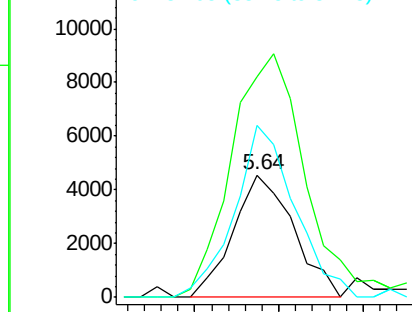
56 100

69 180.7 23.6 35.4#

84 140.7 65.2 97.8#



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. 0.01 min

Lab File: VD058289.D

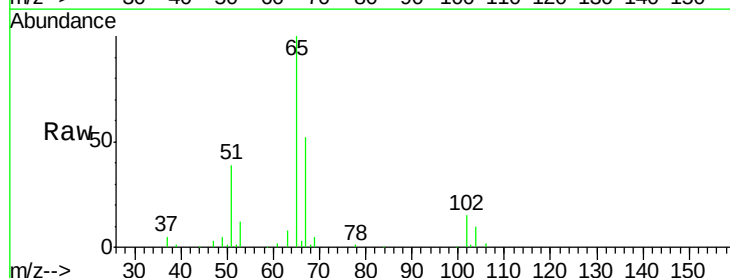
Acq: 22 Jun 2018 10:55

Tgt Ion: 65 Resp: 344384

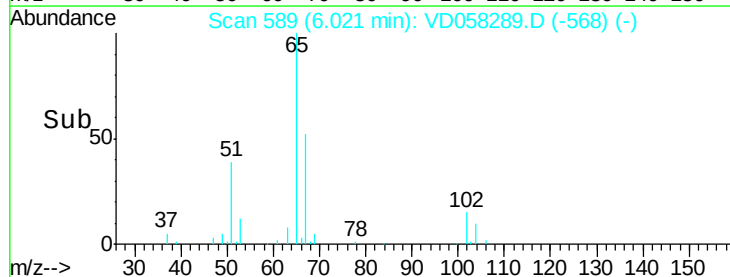
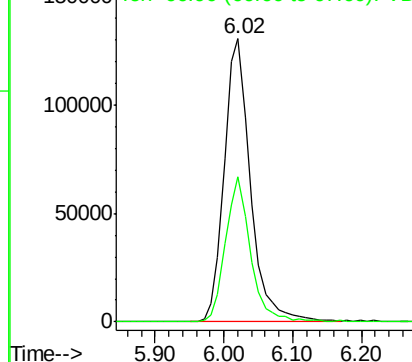
Ion Ratio Lower Upper

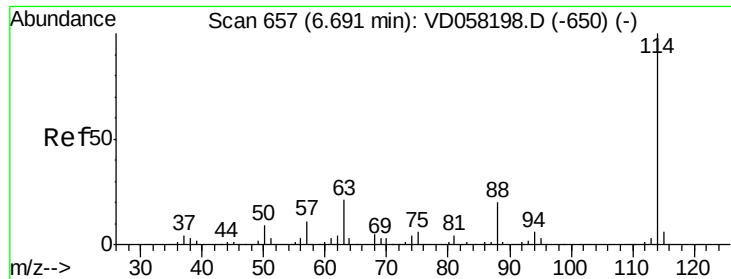
65 100

67 51.5 0.0 97.8



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

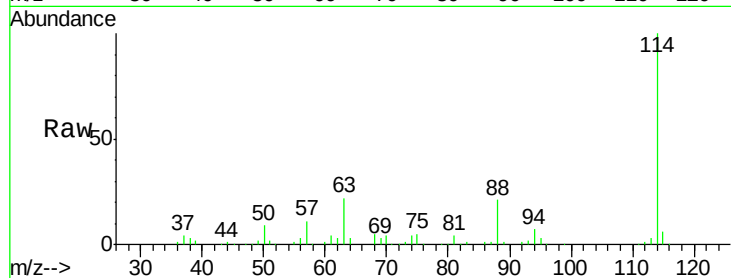




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.69 min Scan# 657
 Delta R.T. -0.00 min
 Lab File: VD058289.D
 Acq: 22 Jun 2018 10:55

Instrument :
 MSVOA_D
 ClientSampleId :
 SSP-C-2-GRAB

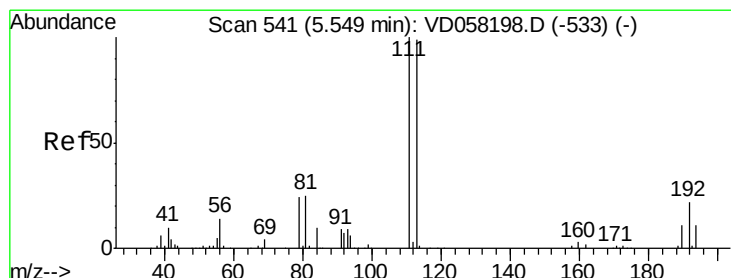
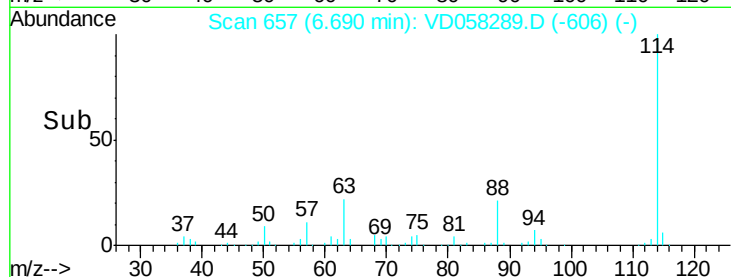
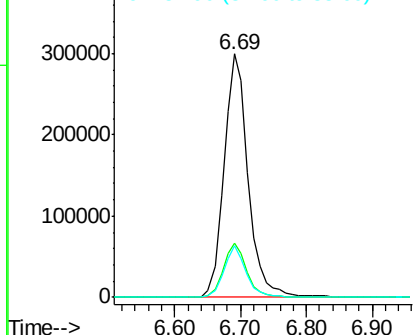
Tot Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	42.6
88	21.3	0.0	40.6



Abundance Ion 114.00 (113.70 to 114.70): V

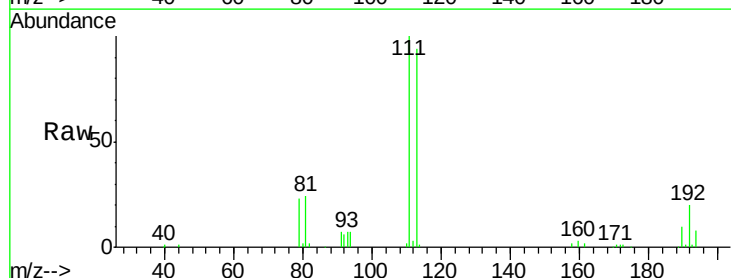
Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 5.55 min Scan# 541
 Delta R.T. -0.00 min
 Lab File: VD058289.D
 Acq: 22 Jun 2018 10:55

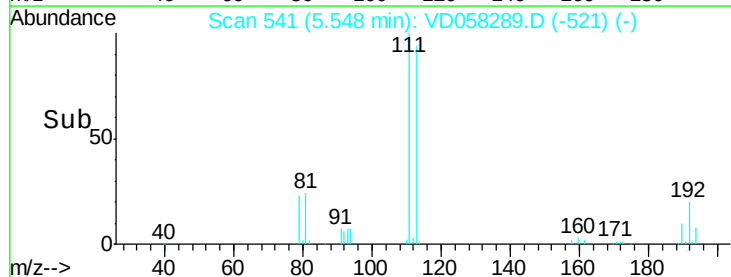
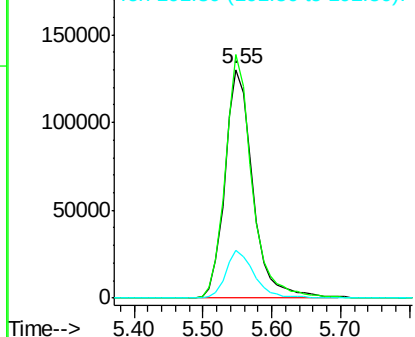
Tgt Ion	Ratio	Lower	Upper
113	100		
111	106.5	80.6	121.0
192	21.1	17.8	26.6

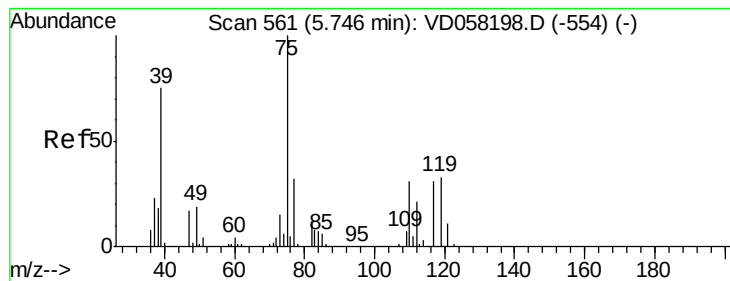


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 6.04 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.11 min

Lab File: VD058289.D

Acq: 22 Jun 2018 10:55

Instrument :

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ClientSampleId :

SSP-C-2-GRAB

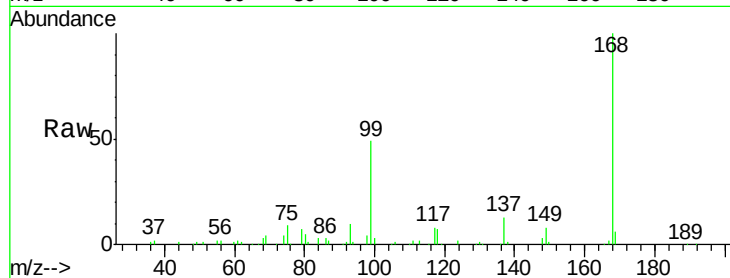
Tot Ion: 75 Resp: 45683

Ion Ratio Lower Upper

75 100

110 3.7 15.4 46.4#

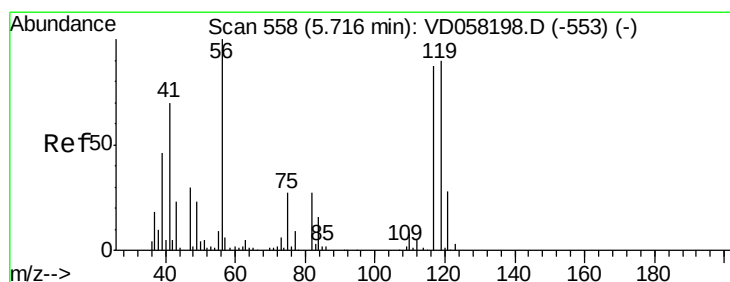
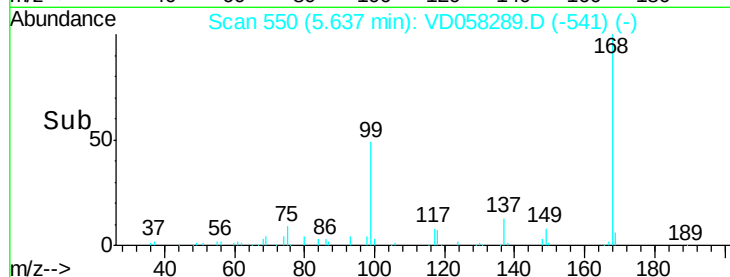
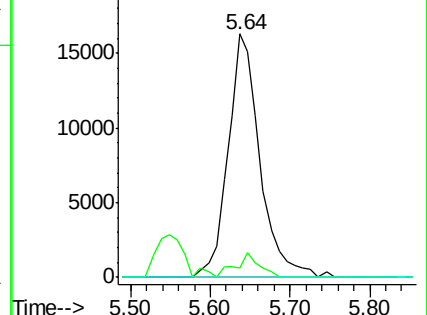
77 0.0 25.4 38.2#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V



#38

Carbon Tetrachloride

Concen: 6.28 ug/l

RT: 5.65 min Scan# 551

Delta R.T. -0.07 min

Lab File: VD058289.D

Acq: 22 Jun 2018 10:55

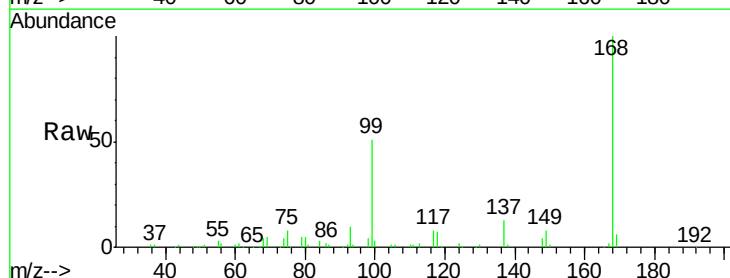
Tgt Ion: 117 Resp: 47191

Ion Ratio Lower Upper

117 100

119 5.2 78.8 118.2#

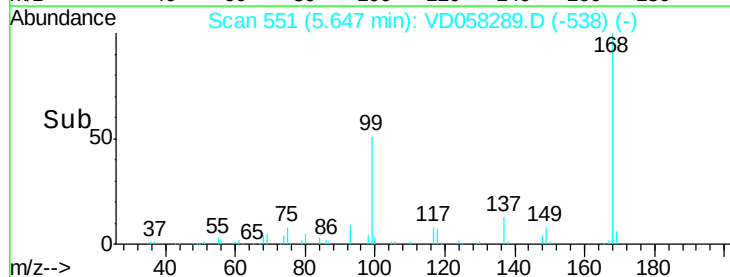
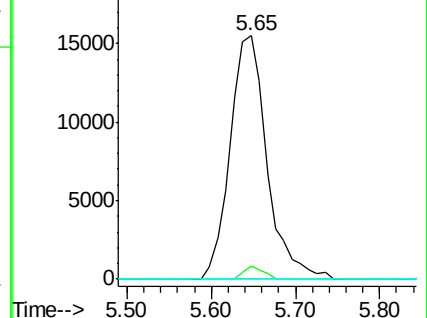
121 0.0 25.0 37.6#

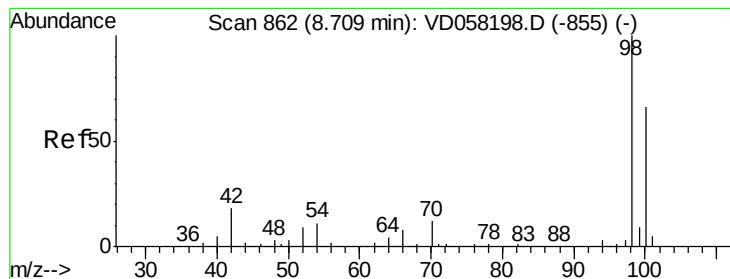


Abundance Ion 116.85 (116.55 to 117.55): V

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: VD058289.D

Acq: 22 Jun 2018 10:55

Instrument :

MSVOA_D

ClientSampleId :

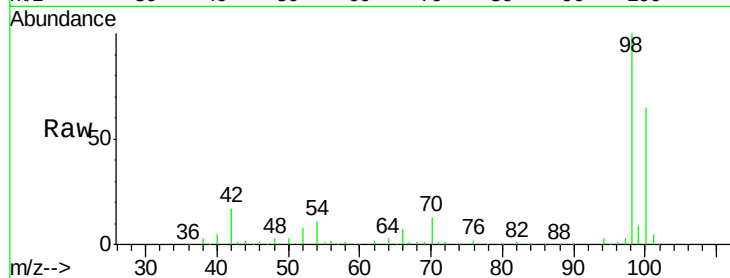
SSP-C-2-GRAB

Tot Ion: 98 Resp: 683326

Ion Ratio Lower Upper

98 100

100 65.4 53.6 80.4



Abundance Ion 98.05 (97.75 to 98.75): VD058198.D (-855) (-)

Ion 100.05 (99.75 to 100.75): VD058198.D (-855) (-)

8.71

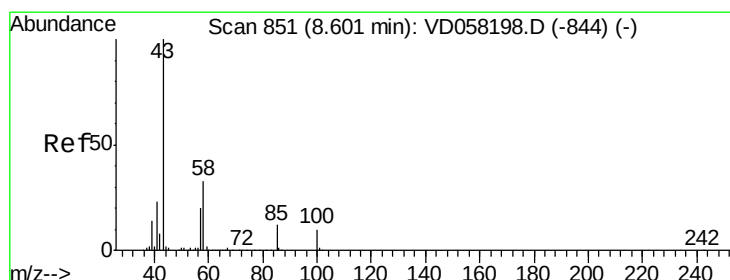
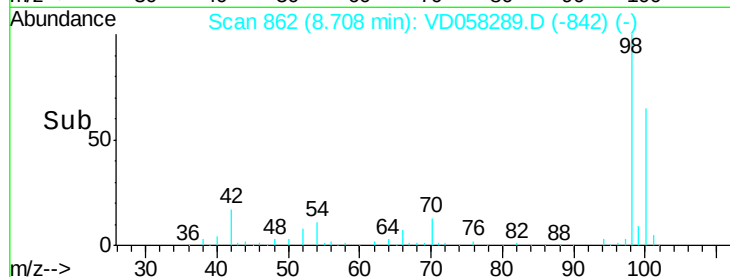
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.29 ug/l

RT: 8.70 min Scan# 861

Delta R.T. 0.10 min

Lab File: VD058289.D

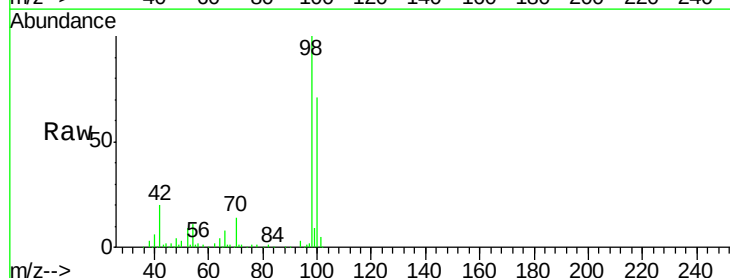
Acq: 22 Jun 2018 10:55

Tgt Ion: 43 Resp: 4815

Ion Ratio Lower Upper

43 100

58 111.2 26.7 40.1#



Abundance Ion 42.95 (42.65 to 43.65): VD058289.D (-831) (-)

Ion 57.95 (57.65 to 58.65): VD058289.D (-831) (-)

8.70

3000

2500

2000

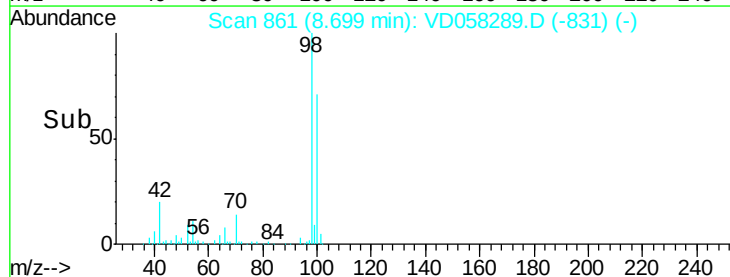
1500

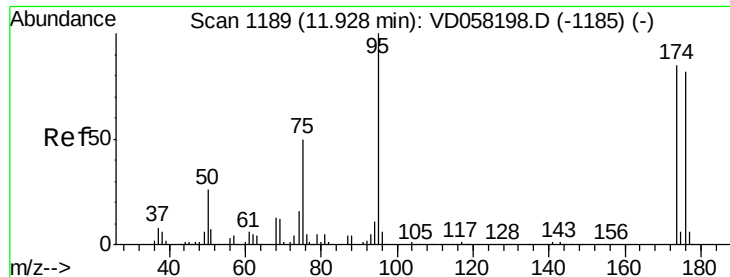
1000

500

0

Time-->





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.93 min Scan# 1189

Delta R.T. -0.00 min

Lab File: VD058289.D

Acq: 22 Jun 2018 10:55

Instrument :

MSVOA_D

ClientSampleId :

SSP-C-2-GRAB

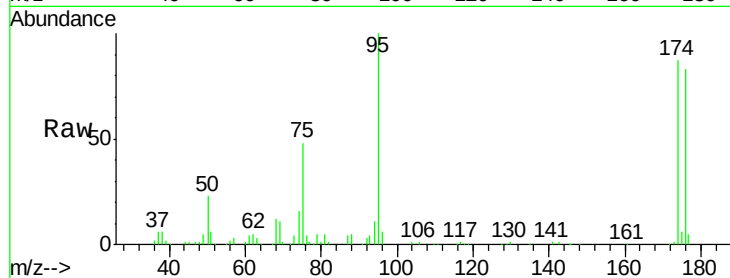
Tot Ion: 95 Resp: 229324

Ion Ratio Lower Upper

95 100

174 87.0 0.0 170.2

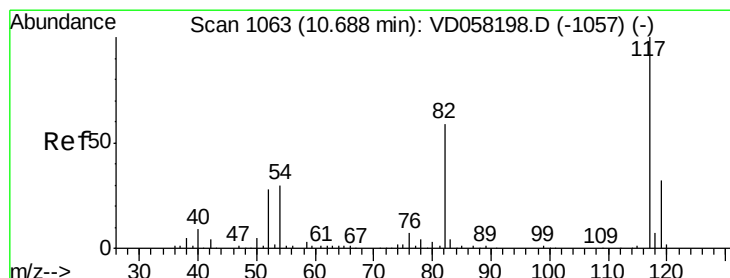
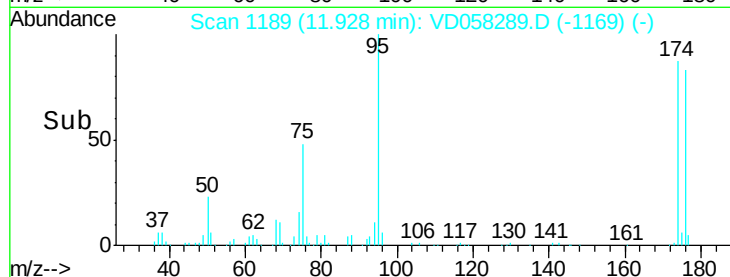
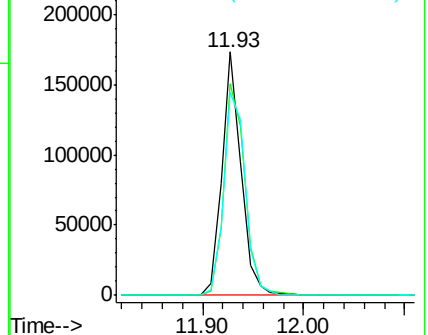
176 83.1 0.0 164.6



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: 50.00 ug/l

RT: 10.69 min Scan# 1063

Delta R.T. -0.00 min

Lab File: VD058289.D

Acq: 22 Jun 2018 10:55

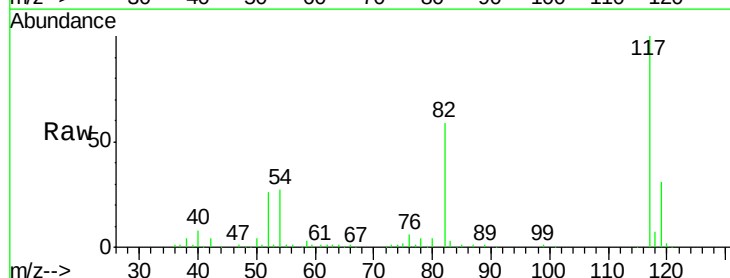
Tgt Ion: 117 Resp: 520854

Ion Ratio Lower Upper

117 100

82 58.9 47.0 70.6

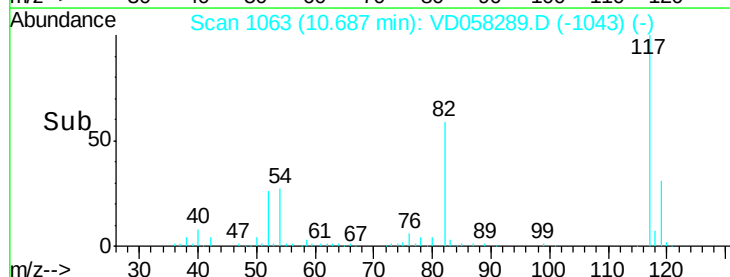
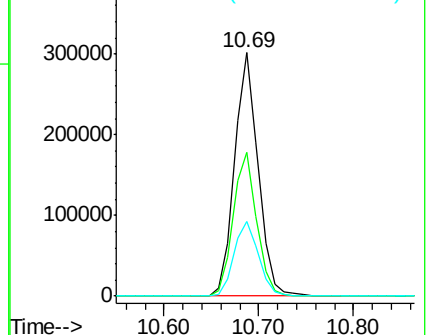
119 30.7 25.3 37.9

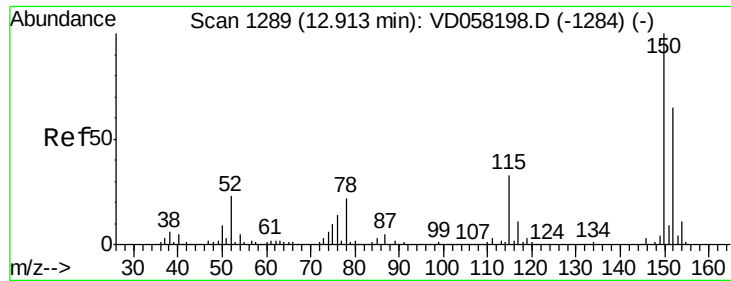


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.90 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VD058289.D

Acq: 22 Jun 2018 10:55

Instrument :

MSVOA_D

ClientSampleId :

SSP-C-2-GRAB

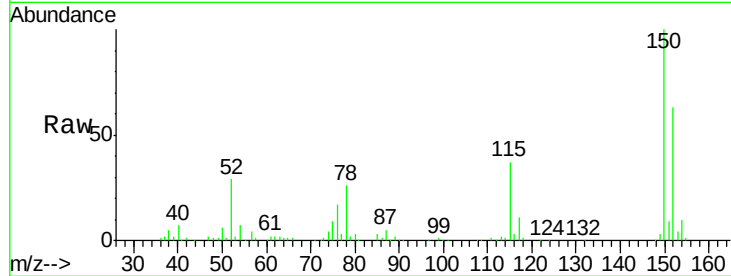
Tot Ion:152 Resp: 175339

Ion Ratio Lower Upper

152 100

115 58.5 25.1 75.3

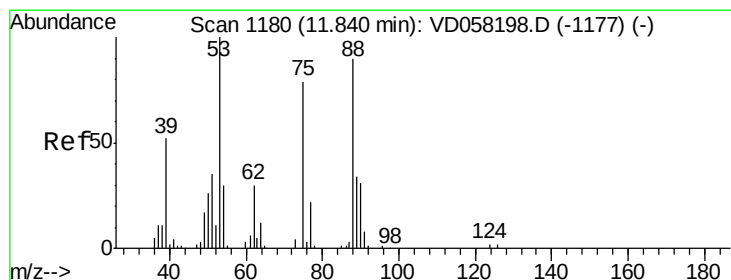
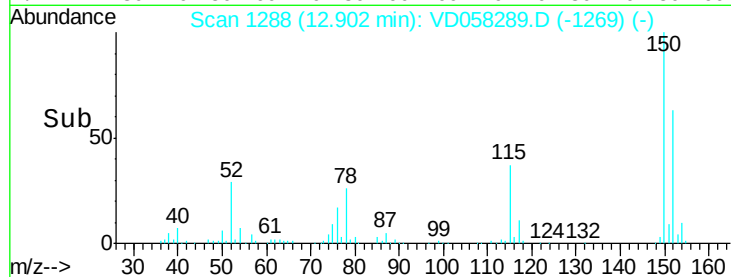
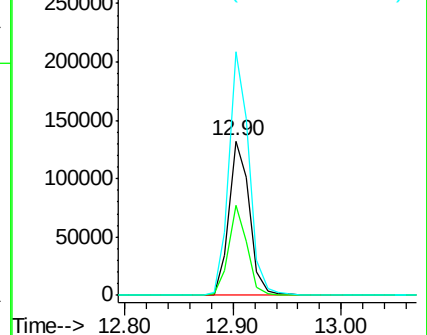
150 157.8 0.0 308.8



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: 174.67 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.09 min

Lab File: VD058289.D

Acq: 22 Jun 2018 10:55

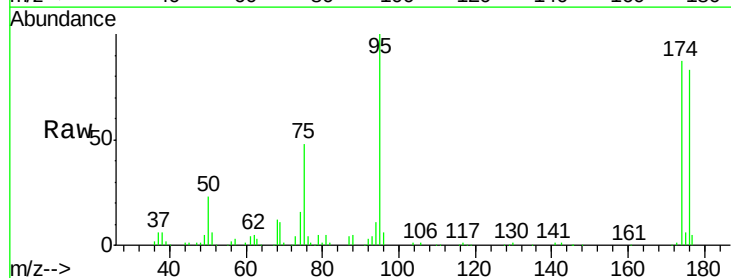
Tgt Ion: 75 Resp: 109060

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

