

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062118\
 Data File : VD058288.D
 Acq On : 22 Jun 2018 10:26
 Operator : VA/AP
 Sample : J3582-07RE
 Misc : 6.02g/5ml/MSVOA D/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SSP-C-1-GRABRE

Quant Time: Jun 22 10:53:40 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	5.64	168	578247	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.70	114	760854	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.68	117	526273	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	194921	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	337333	57.76	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	115.52%	
35) Dibromofluoromethane	5.56	113	272039	43.93	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	87.86%	
50) Toluene-d8	8.71	98	723443	48.29	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.58%	
62) 4-Bromofluorobenzene	11.93	95	240557	39.31	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	78.62%	

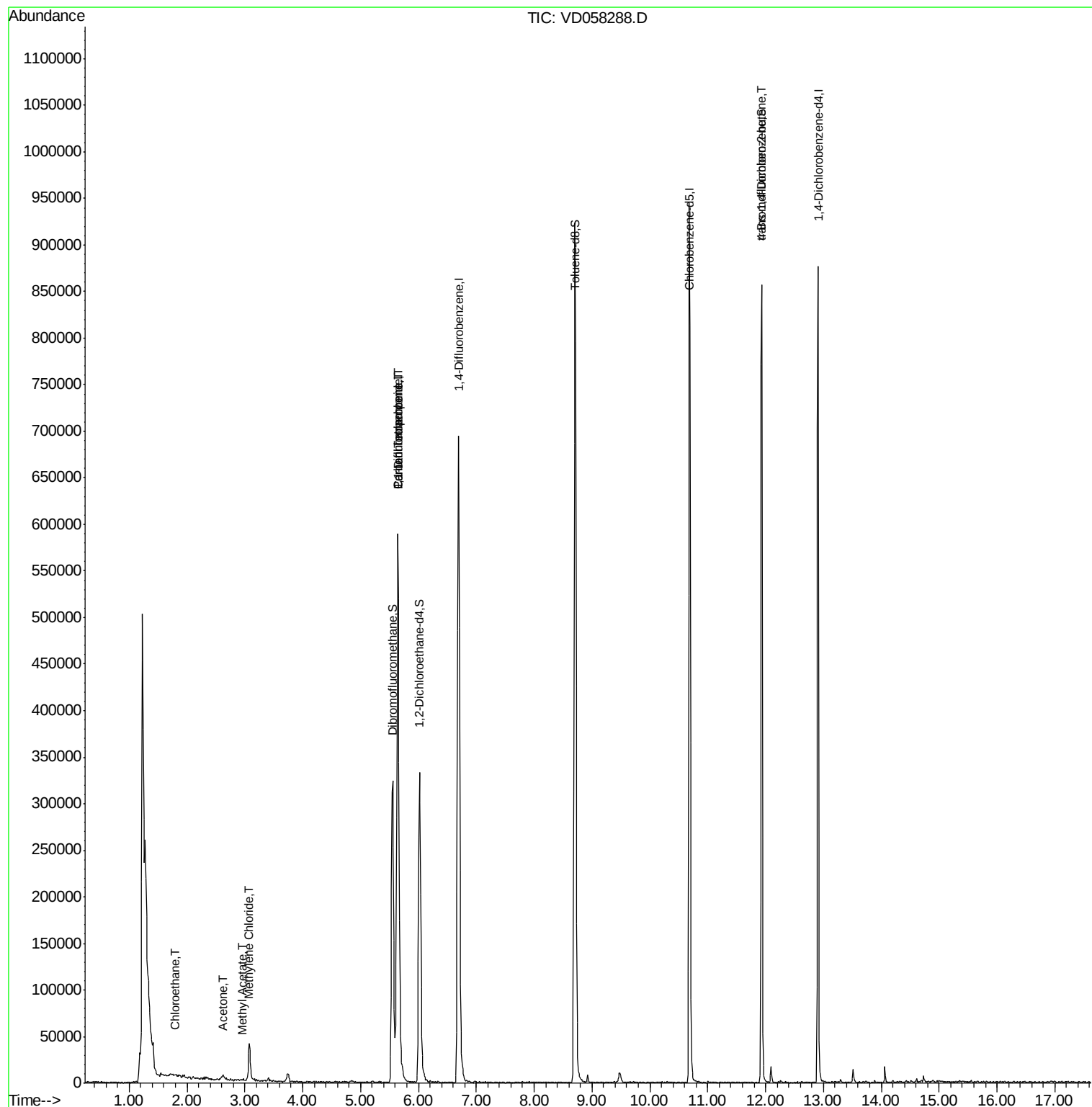
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.71	94	266	Below Cal	#	3
6) Chloroethane	1.78	64	365	1.68	ug/l #	41
16) Acetone	2.62	43	12364	15.48	ug/l #	87
18) Methyl Acetate	2.96	43	2122	1.25	ug/l #	65
20) Methylene Chloride	3.08	84	17474	4.00	ug/l	87
31) Cyclohexane	5.64	56	14548	Below Cal	#	1
36) 1,1-Dichloropropene	5.64	75	49329	6.55	ug/l #	50
38) Carbon Tetrachloride	5.64	117	47779	6.39	ug/l #	14
81) trans-1,4-Dichloro-2-buten	11.92	75	119292	171.87	ug/l #	1
82) 4-Chlorotoluene	12.21	91	196	Below Cal	#	45

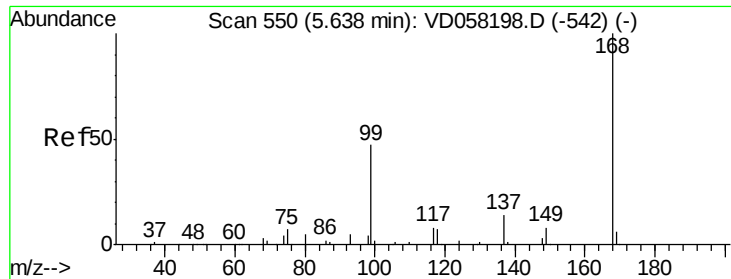
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062118\
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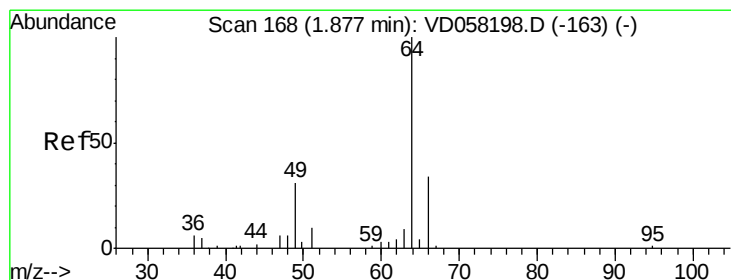
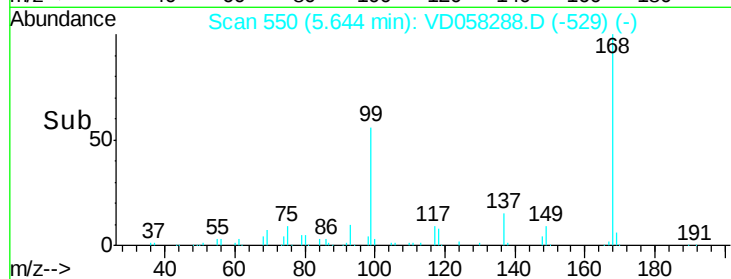
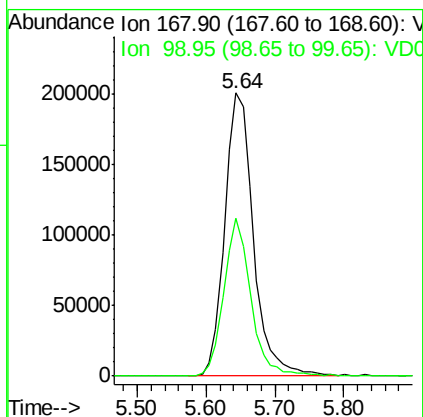
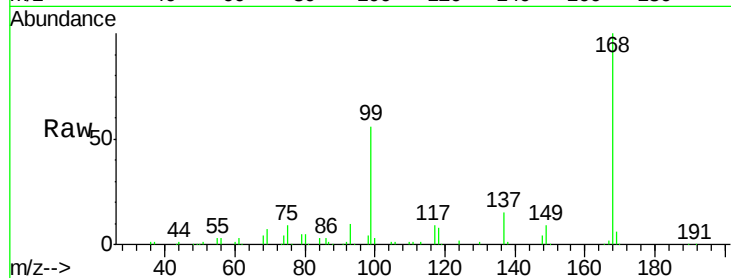




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.64 min Scan# 550
Delta R.T. 0.01 min
Lab File: VD058288.D
Acq: 22 Jun 2018 10:26

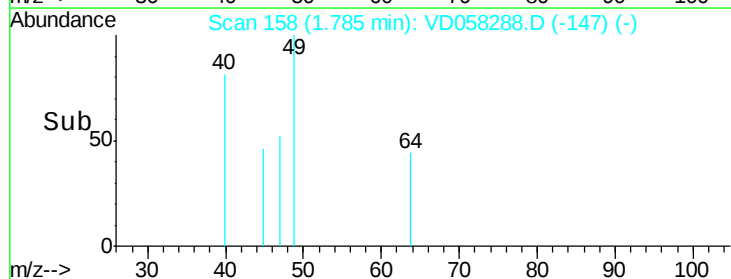
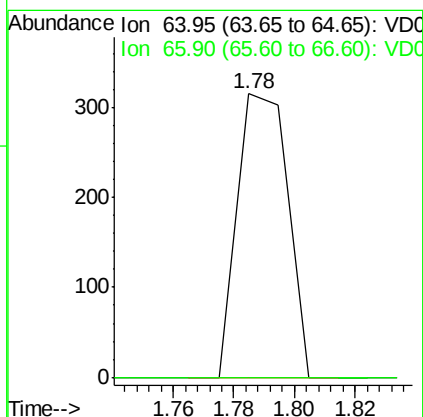
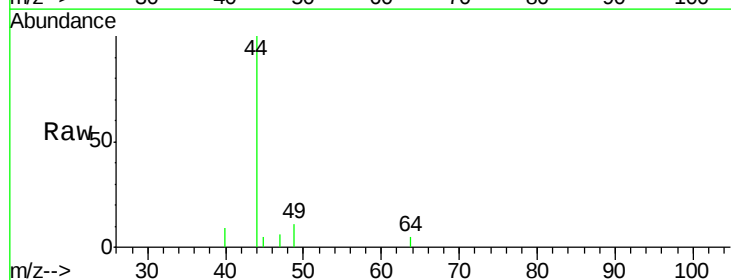
Instrument :
MSVOA_D
ClientSampleId :
SSP-C-1-GRABRE

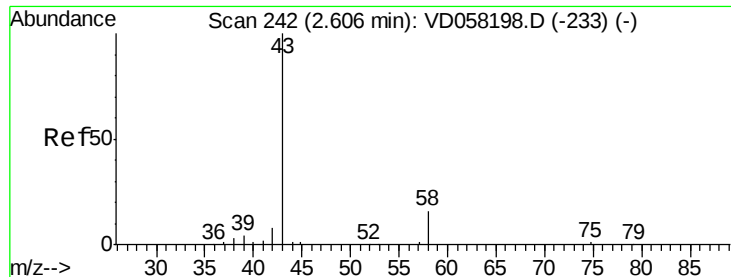
Tot Ion:168 Resp: 578247
Ion Ratio Lower Upper
168 100
99 56.0 41.1 61.7



#6
Chloroethane
Concen: 1.68 ug/l
RT: 1.78 min Scan# 158
Delta R.T. -0.09 min
Lab File: VD058288.D
Acq: 22 Jun 2018 10:26

Tgt Ion: 64 Resp: 365
Ion Ratio Lower Upper
64 100
66 0.0 27.3 40.9#





#16

Acetone

Concen: 15.48 ug/l

RT: 2.62 min Scan# 243

Delta R.T. 0.02 min

Lab File: VD058288.D

Acq: 22 Jun 2018 10:26

Instrument :

MSVOA_D

ClientSampleId :

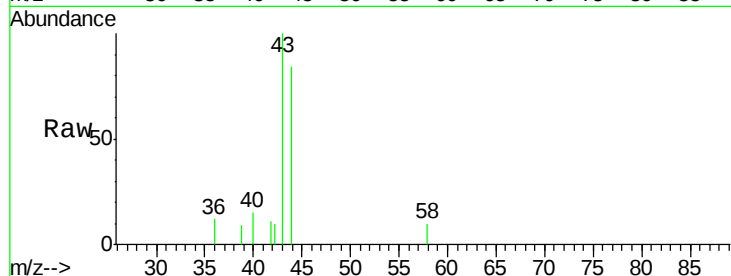
SSP-C-1-GRABRE

Tot Ion: 43 Resp: 12364

Ion Ratio Lower Upper

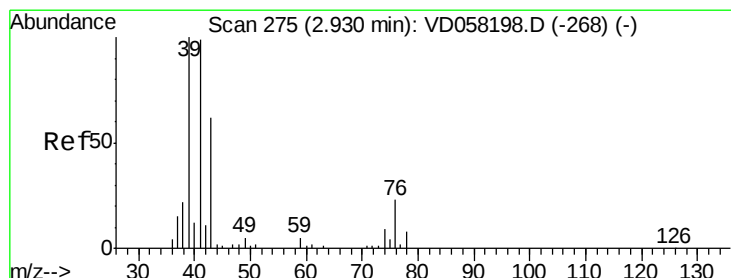
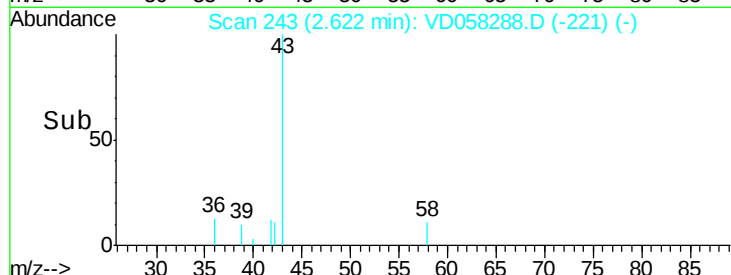
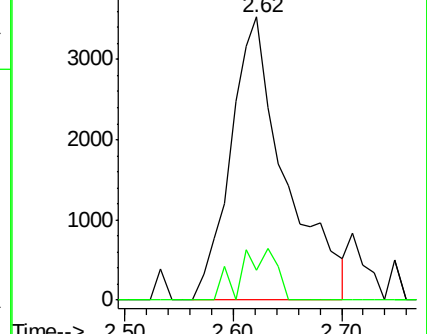
43 100

58 10.4 12.7 19.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 1.25 ug/l

RT: 2.96 min Scan# 277

Delta R.T. 0.03 min

Lab File: VD058288.D

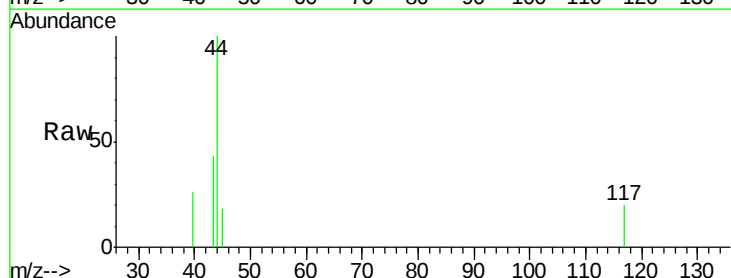
Acq: 22 Jun 2018 10:26

Tgt Ion: 43 Resp: 2122

Ion Ratio Lower Upper

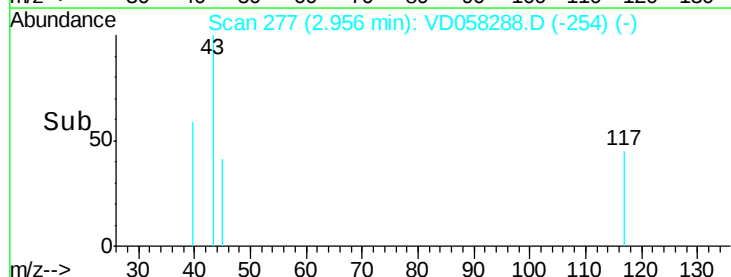
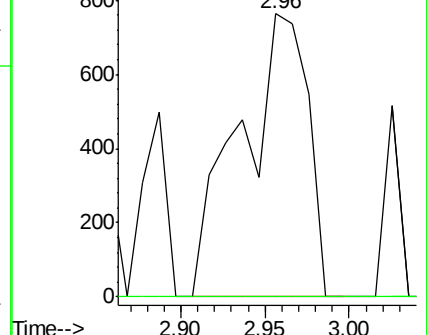
43 100

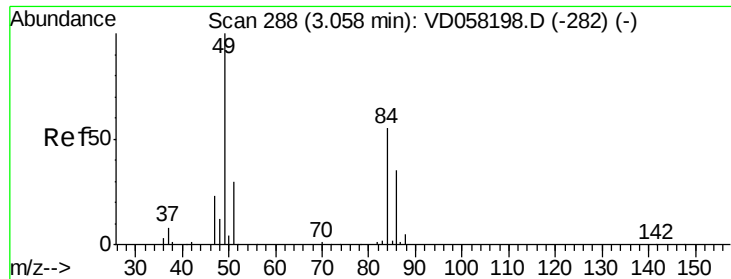
74 0.0 11.7 17.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

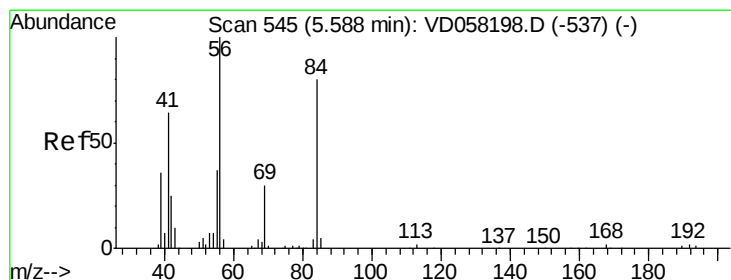
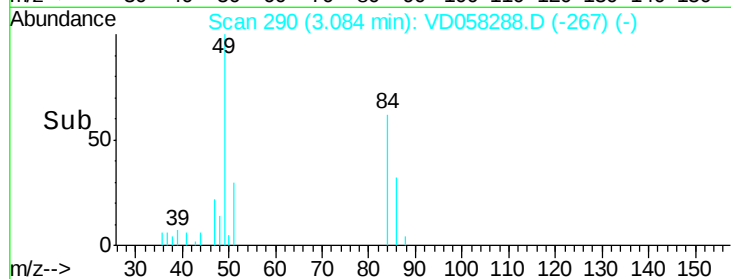
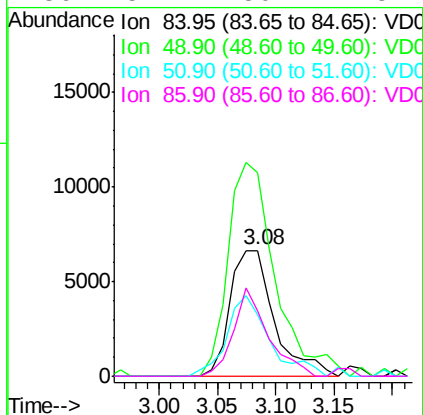
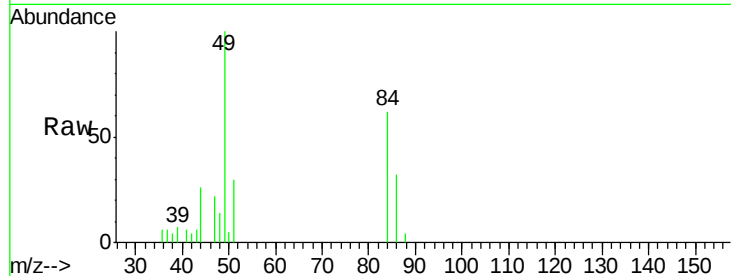




#20
Methvlene Chloride
Concen: 4.00 uq/l
RT: 3.08 min Scan# 290
Delta R.T. 0.03 min
Lab File: VD058288.D
Acq: 22 Jun 2018 10:26

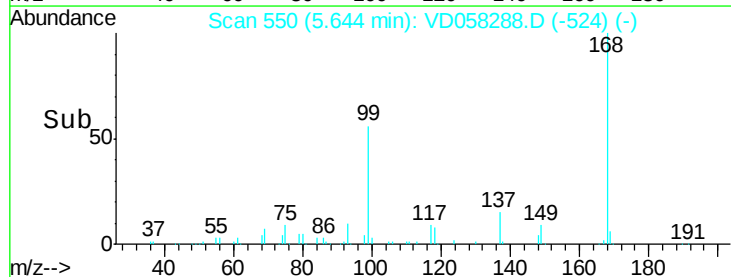
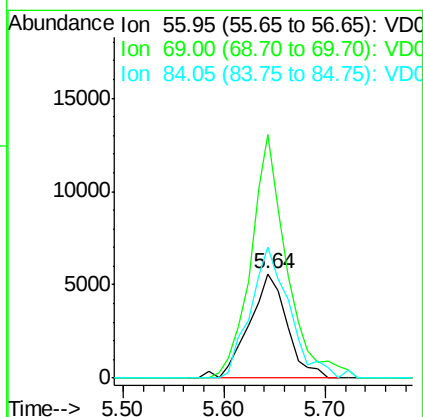
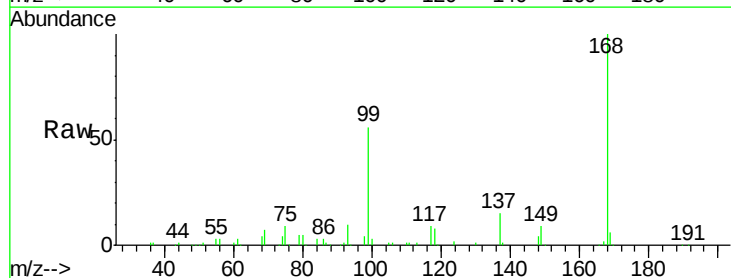
Instrument :
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SSP-C-1-GRABRE

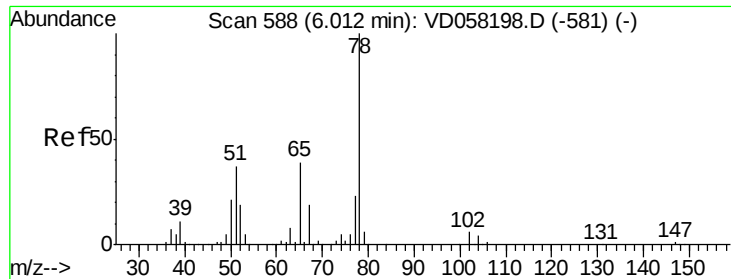
Tot Ion: 84 Resp: 17474
Ion Ratio Lower Upper
84 100
49 161.5 145.0 217.6
51 49.2 42.9 64.3
86 51.4 50.1 75.1



#31
Cyclohexane
Concen: Below Cal
RT: 5.64 min Scan# 550
Delta R.T. 0.06 min
Lab File: VD058288.D
Acq: 22 Jun 2018 10:26

Tgt Ion: 56 Resp: 14548
Ion Ratio Lower Upper
56 100
69 232.7 23.6 35.4#
84 125.3 65.2 97.8#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.02 min Scan# 588

Delta R.T. 0.01 min

Lab File: VD058288.D

Acq: 22 Jun 2018 10:26

Instrument :

MSVOA_D

ClientSampleId :

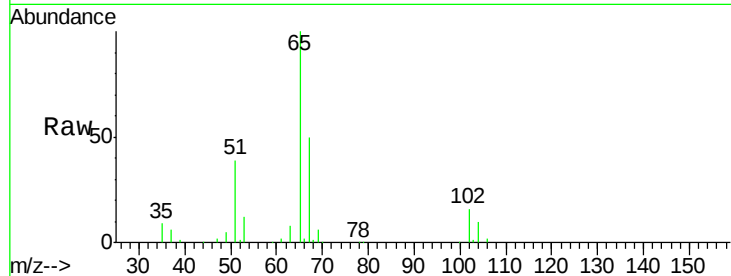
SSP-C-1-GRABRE

Tot Ion: 65 Resp: 337333

Ion Ratio Lower Upper

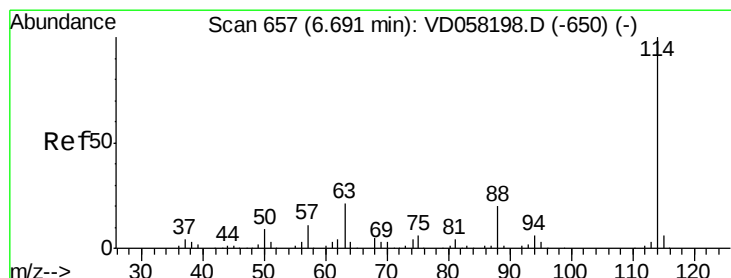
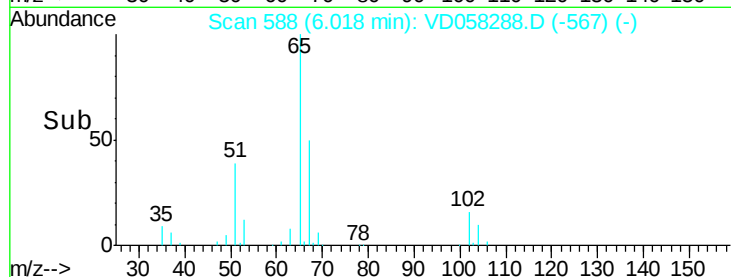
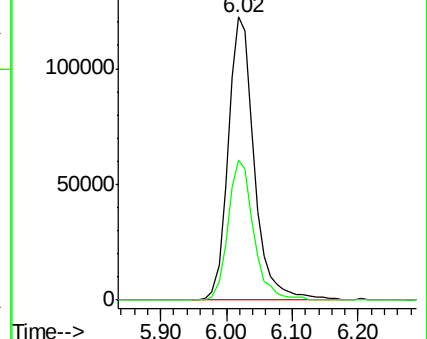
65 100

67 49.7 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: 6.70 min Scan# 657

Delta R.T. 0.01 min

Lab File: VD058288.D

Acq: 22 Jun 2018 10:26

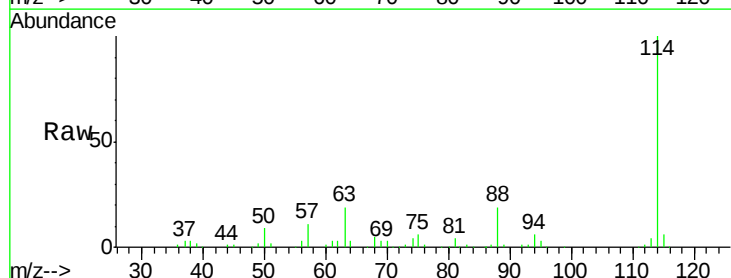
Tgt Ion: 114 Resp: 760854

Ion Ratio Lower Upper

114 100

63 19.5 0.0 42.6

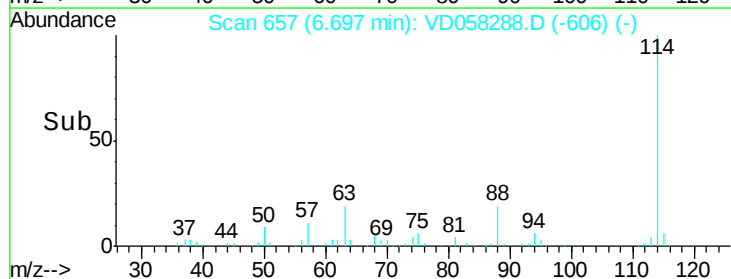
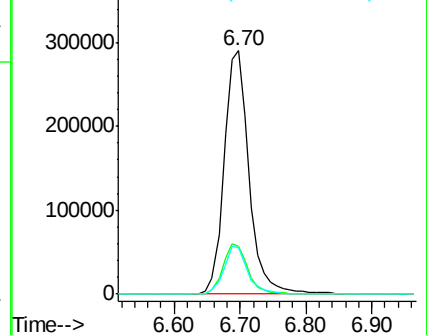
88 19.0 0.0 40.6

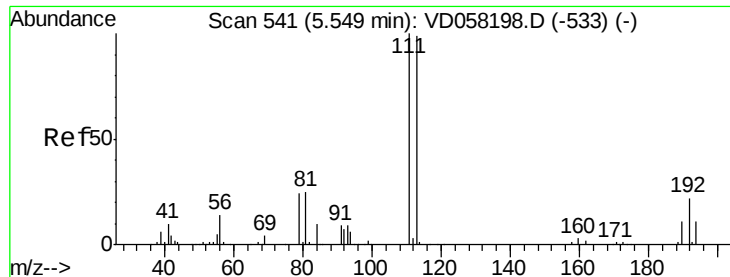


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

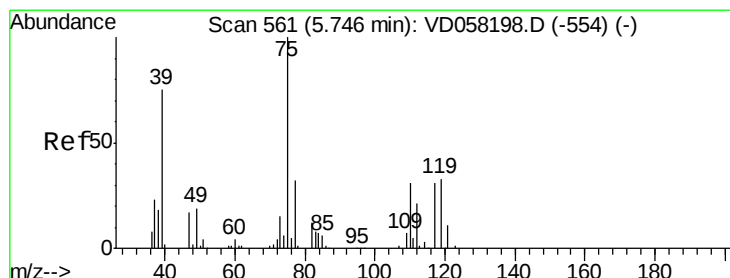
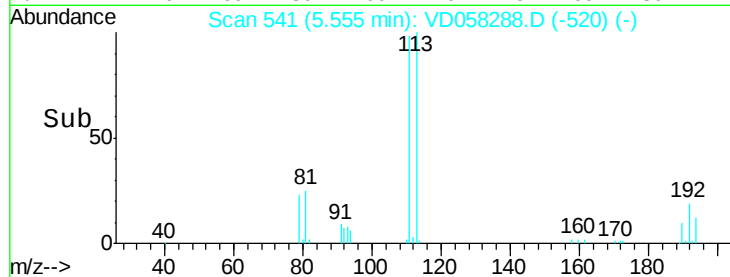
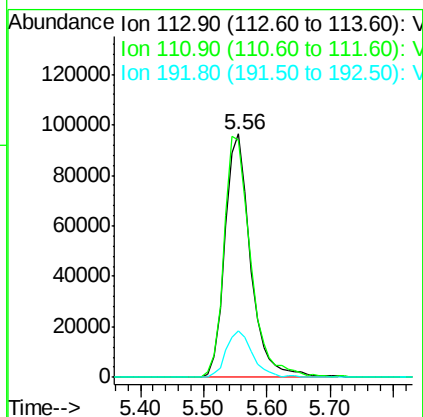
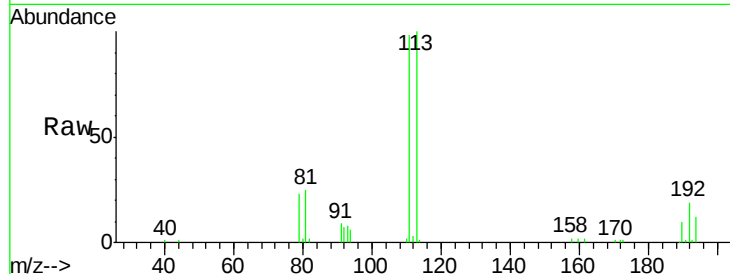




#35
Dibromofluoromethane
Concen: 50.00 ug/l
RT: 5.56 min Scan# 541
Delta R.T. 0.01 min
Lab File: VD058288.D
Acq: 22 Jun 2018 10:26

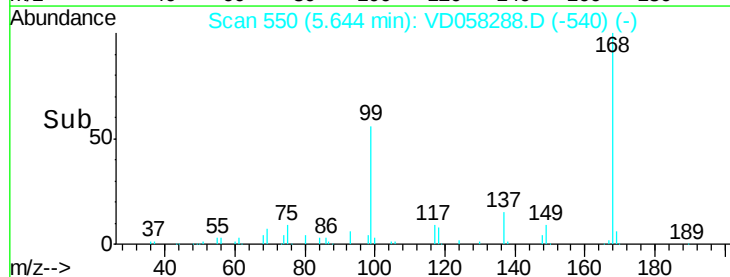
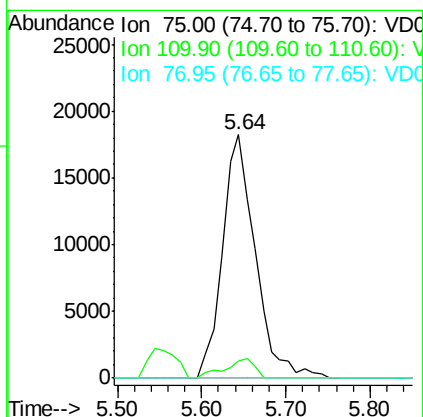
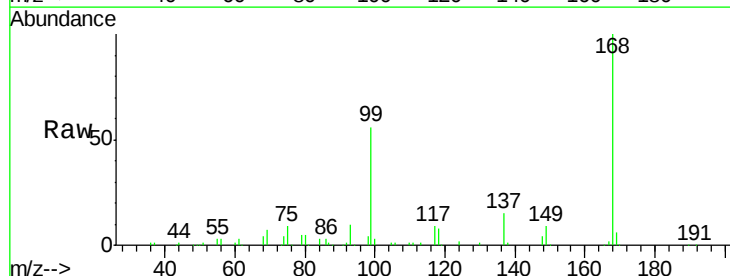
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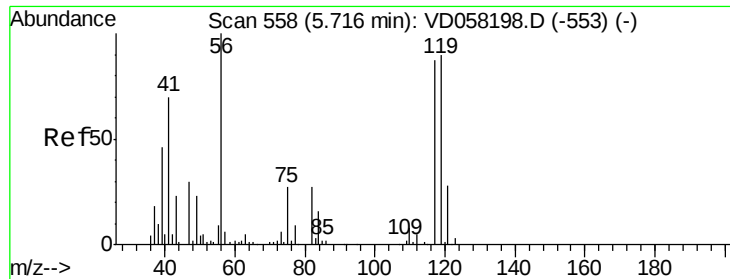
Tot Ion:113 Resp: 272039
Ion Ratio Lower Upper
113 100
111 97.5 80.6 121.0
192 19.1 17.8 26.6



#36
1,1-Dichloropropene
Concen: 6.55 ug/l
RT: 5.64 min Scan# 550
Delta R.T. -0.10 min
Lab File: VD058288.D
Acq: 22 Jun 2018 10:26

Tgt Ion: 75 Resp: 49329
Ion Ratio Lower Upper
75 100
110 7.1 15.4 46.4#
77 0.0 25.4 38.2#





#38

Carbon Tetrachloride

Concen: 6.39 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.07 min

Lab File: VD058288.D

Acq: 22 Jun 2018 10:26

Instrument :

MSVOA_D

ClientSampleId :

SSP-C-1-GRABRE

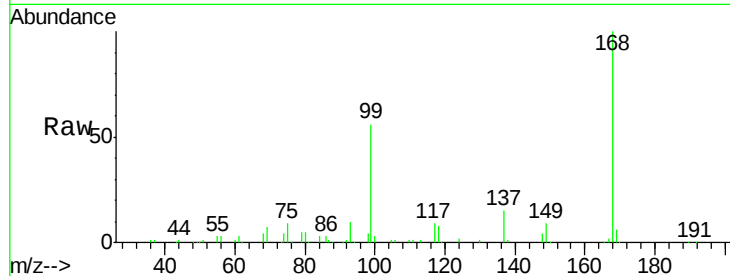
Tot Ion:117 Resp: 47779

Ion Ratio Lower Upper

117 100

119 3.4 78.8 118.2#

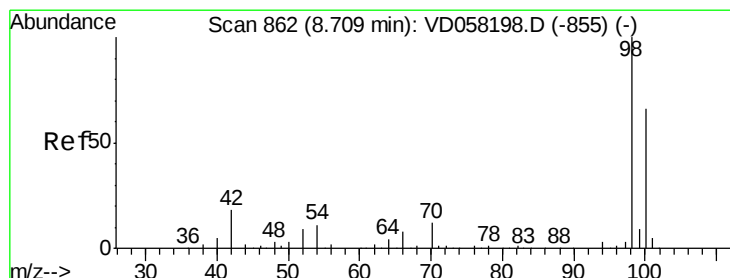
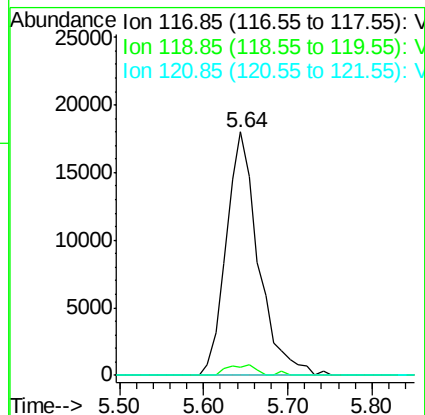
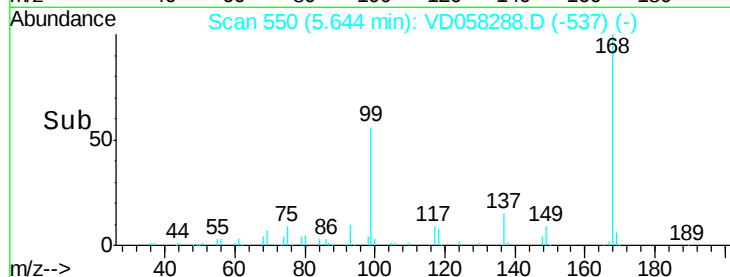
121 0.0 25.0 37.6#



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# 861

Delta R.T. -0.00 min

Lab File: VD058288.D

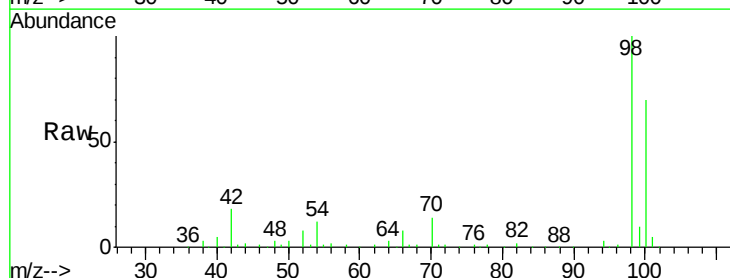
Acq: 22 Jun 2018 10:26

Tgt Ion: 98 Resp: 723443

Ion Ratio Lower Upper

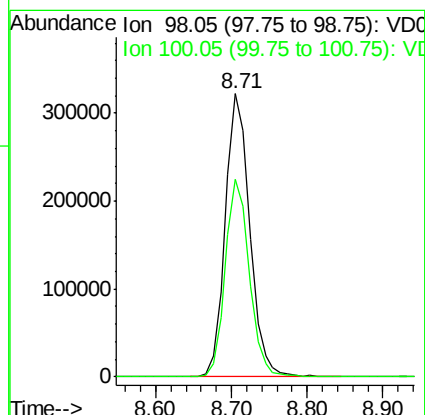
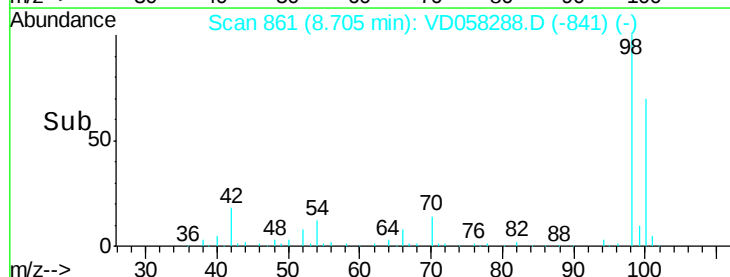
98 100

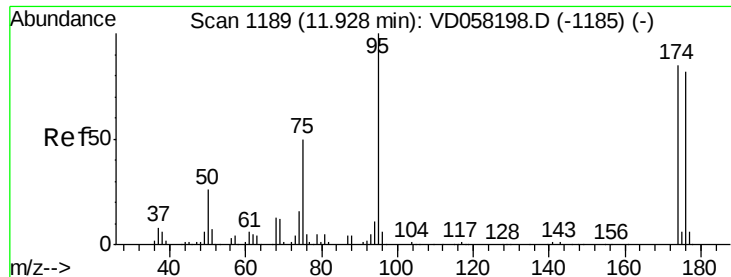
100 69.7 53.6 80.4



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.01 min

Lab File: VD058288.D

Acq: 22 Jun 2018 10:26

Instrument :

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ClientSampleId :

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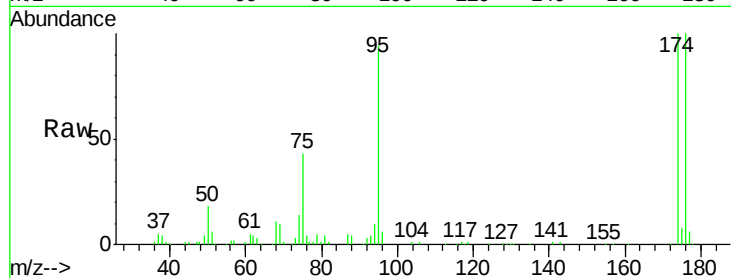
Tot Ion: 95 Resp: 240557

Ion Ratio Lower Upper

95 100

174 106.4 0.0 170.2

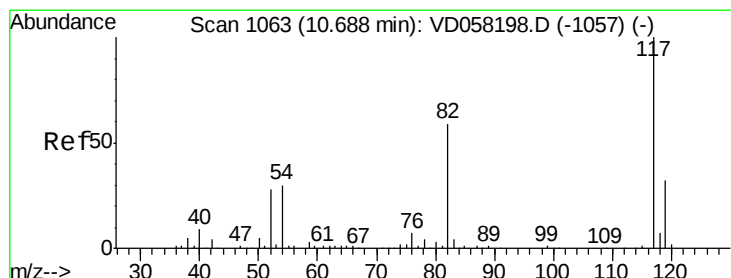
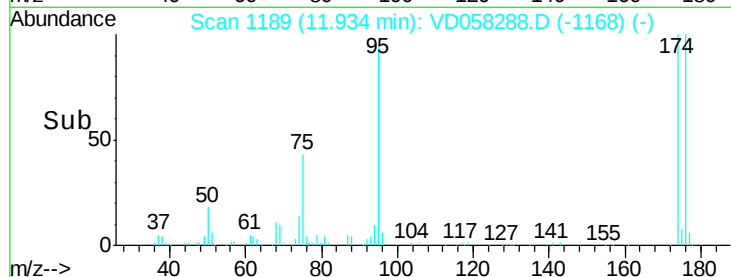
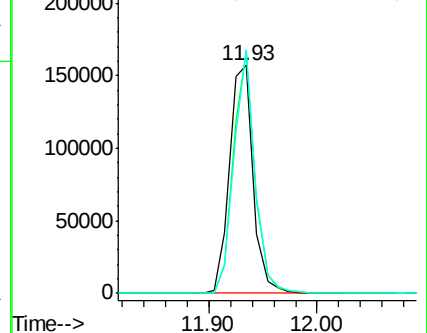
176 106.9 0.0 164.6



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: 10.68 min Scan# 1062

Delta R.T. -0.00 min

Lab File: VD058288.D

Acq: 22 Jun 2018 10:26

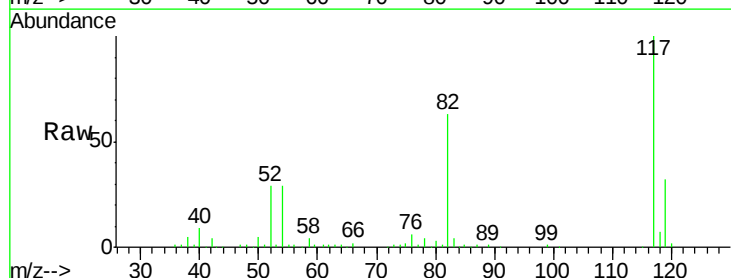
Tgt Ion: 117 Resp: 526273

Ion Ratio Lower Upper

117 100

82 63.1 47.0 70.6

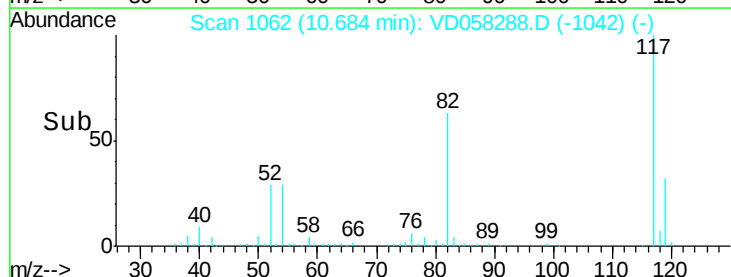
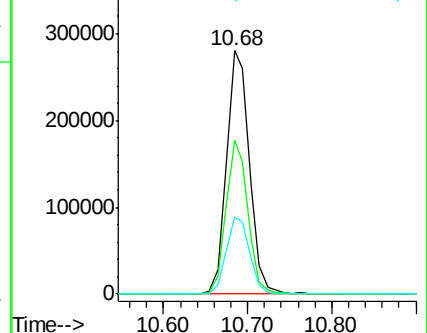
119 31.8 25.3 37.9

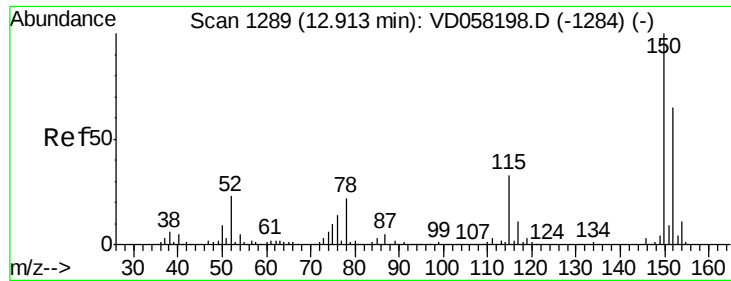


Abundance Ion 116.95 (116.65 to 117.65): V

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: 12.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VD058288.D

Acq: 22 Jun 2018 10:26

Instrument :

MSVOA_D

ClientSampleId :

SSP-C-1-GRABRE

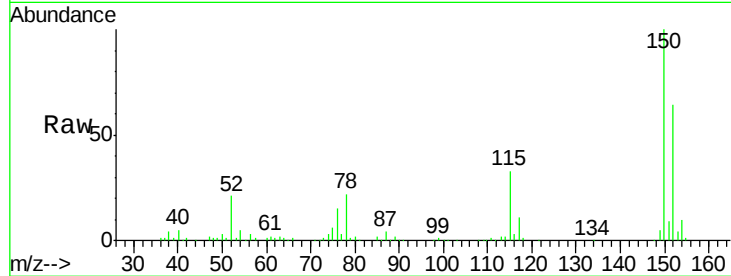
Tot Ion:152 Resp: 194921

Ion Ratio Lower Upper

152 100

115 51.2 25.1 75.3

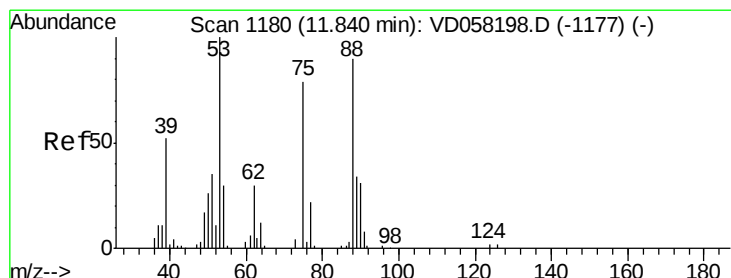
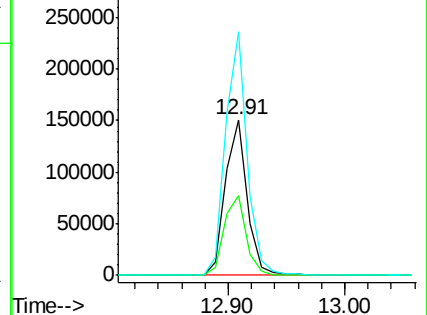
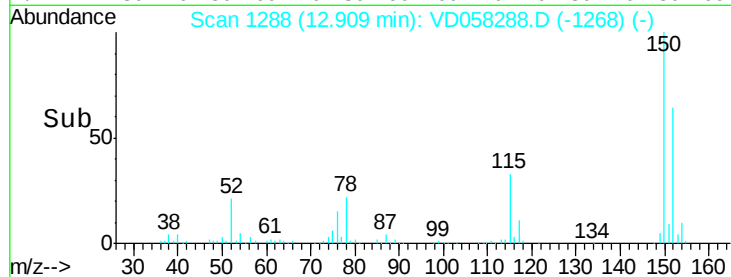
150 156.4 0.0 308.8



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: 171.87 ug/l

RT: 11.92 min Scan# 1188

Delta R.T. 0.08 min

Lab File: VD058288.D

Acq: 22 Jun 2018 10:26

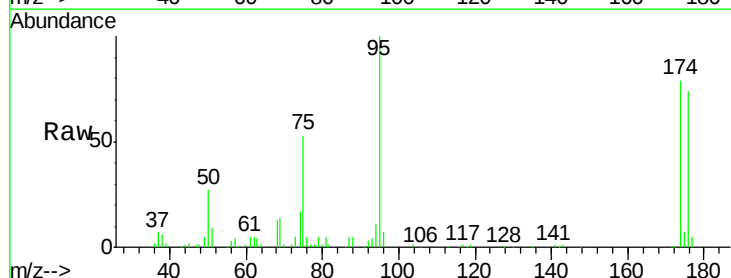
Tgt Ion: 75 Resp: 119292

Ion Ratio Lower Upper

75 100

53 0.0 100.8 151.2#

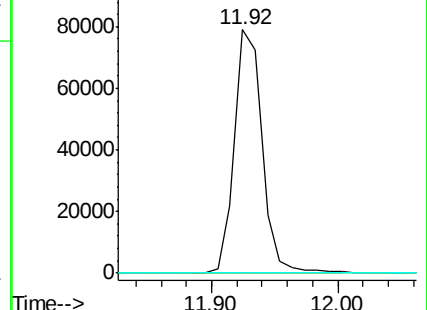
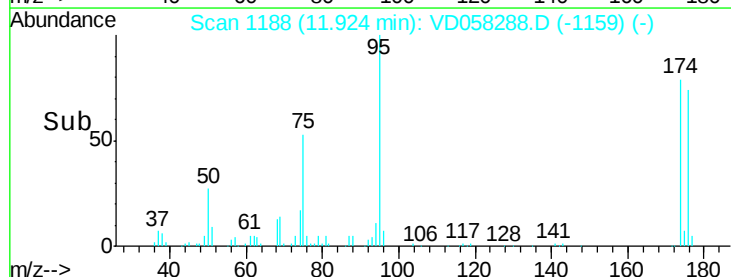
89 0.0 34.6 52.0#

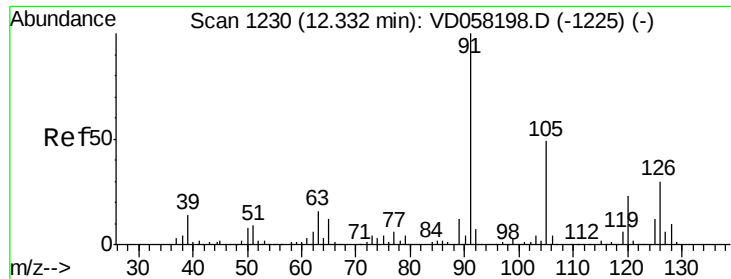


Abundance Ion 75.00 (74.70 to 75.70): VDC

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: 12.21 min Scan# 1217
 Delta R.T. -0.12 min
 Lab File: VD058288.D
 Acq: 22 Jun 2018 10:26

Instrument :
 MSVOA_D
 ClientSampleId :
 SSP-C-1-GRABRE

Tot Ion: 91 Resp: 196
 Ion Ratio Lower Upper
 91 100
 126 0.0 14.9 44.9#

