

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062118\
 Data File : VD058277.D
 Acq On : 22 Jun 2018 4:48
 Operator : VA/AP
 Sample : J3622-16RE
 Misc : 5.48g/5ml/MSVOA D/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-D

Quant Time: Jun 22 06:20:21 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	5.63	168	958	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.70	114	2877	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	2424	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	1201	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	1378	142.41	ug/l	0.01
Spiked Amount				50.000		
			Recovery	=	284.82%	
35) Dibromofluoromethane	5.53	113	393	16.78	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	33.56%	
50) Toluene-d8	8.71	98	2767	48.84	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.68%	
62) 4-Bromofluorobenzene	11.93	95	1111	48.01	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.02%	

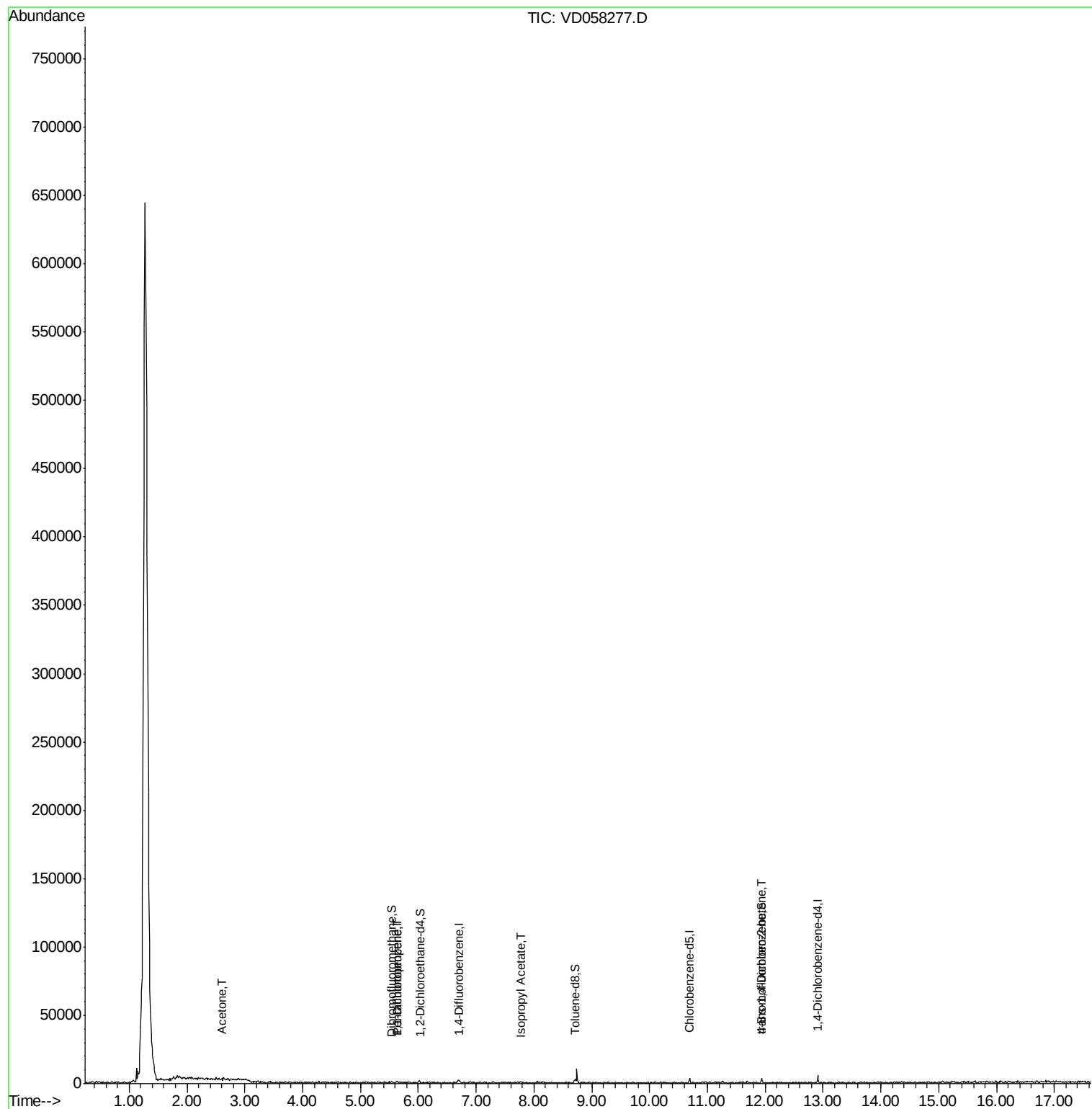
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.86	64	408	Below Cal	#	41
16) Acetone	2.61	43	642	485.137	ug/l #	62
36) 1,1-Dichloropropene	5.63	75	221	7.765	ug/l #	43
43) Isopropyl Acetate	7.77	43	210	9.714	ug/l #	48
81) trans-1,4-Dichloro-2-buten	11.93	75	552	129.073	ug/l #	1

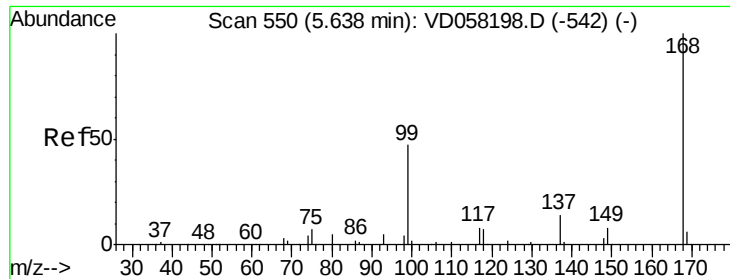
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.00 min

Lab File: VD058277.D

Acq: 22 Jun 2018 4:48

Instrument :

MSVOA_D

ClientSampleId :

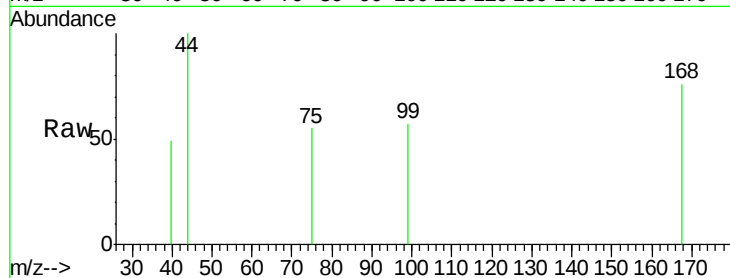
SP-D

Tot Ion:168 Resp: 958

Ion Ratio Lower Upper

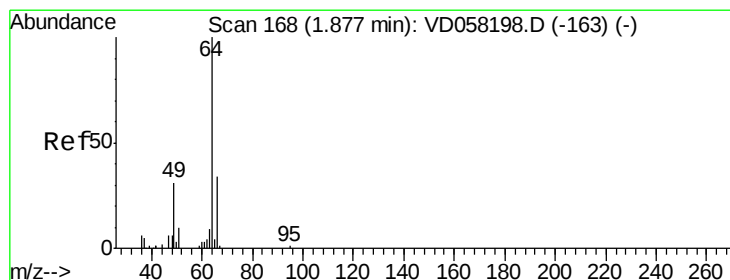
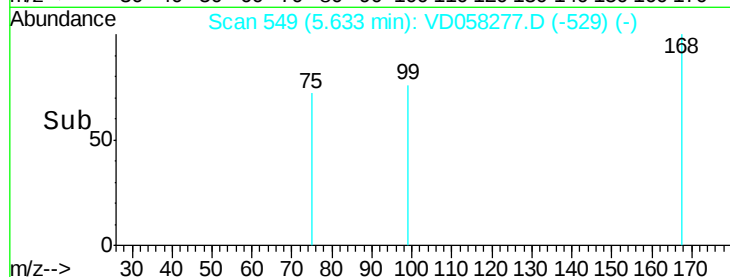
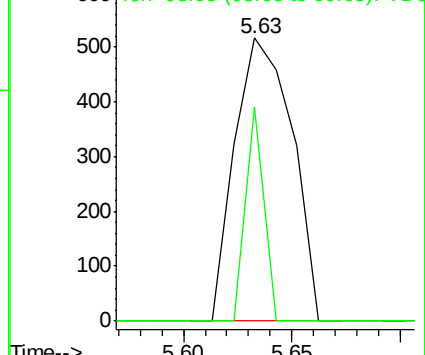
168 100

99 75.6 41.1 61.7#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#6

Chloroethane

Concen: Below Cal

RT: 1.86 min Scan# 166

Delta R.T. -0.01 min

Lab File: VD058277.D

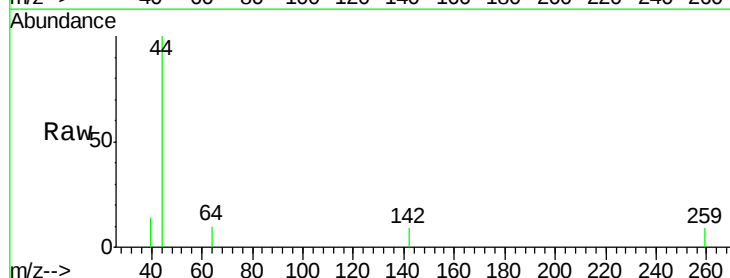
Acq: 22 Jun 2018 4:48

Tgt Ion: 64 Resp: 408

Ion Ratio Lower Upper

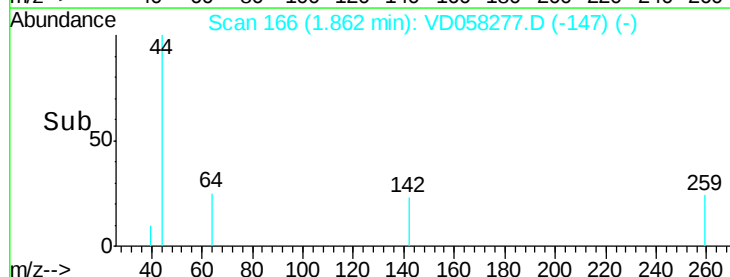
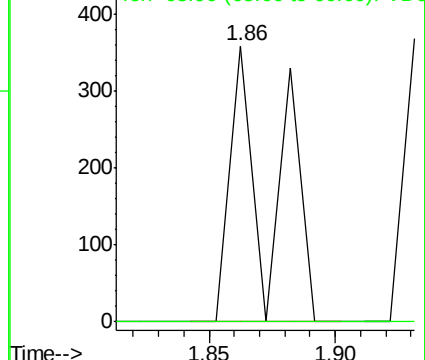
64 100

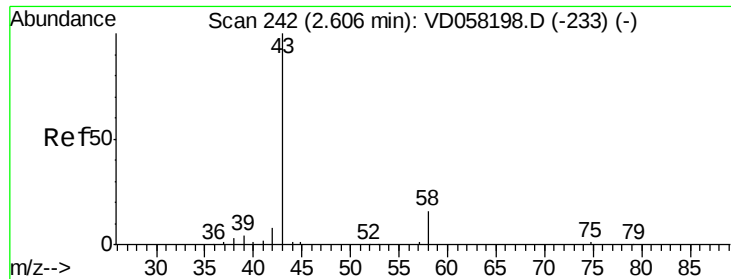
66 0.0 27.3 40.9#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#16

Acetone

Concen: 485.137 ug/l

RT: 2.61 min Scan# 242

Delta R.T. 0.01 min

Lab File: VD058277.D

Acq: 22 Jun 2018 4:48

Instrument :

MSVOA_D

ClientSampleId :

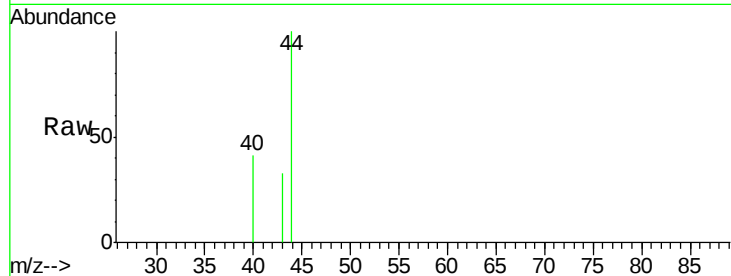
SP-D

Tot Ion: 43 Resp: 642

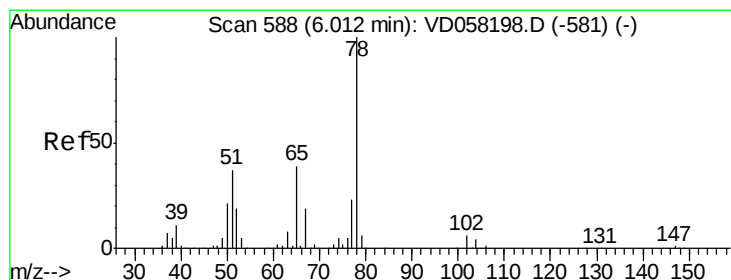
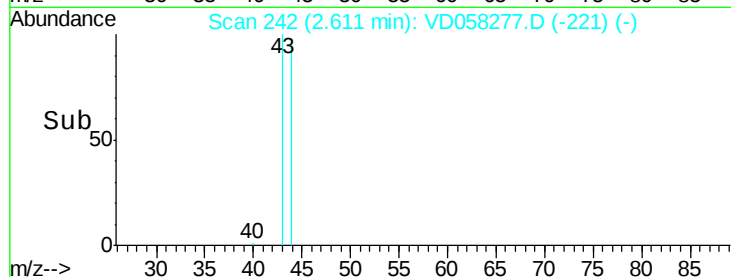
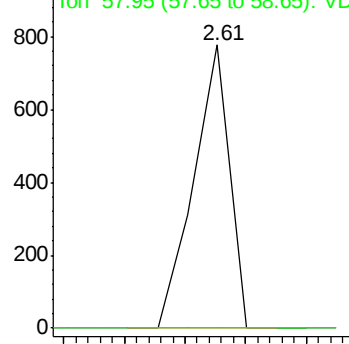
Ion Ratio Lower Upper

43 100

58 0.0 12.7 19.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.03 min Scan# 589

Delta R.T. 0.01 min

Lab File: VD058277.D

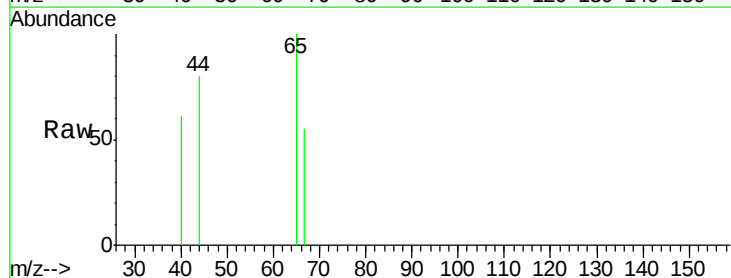
Acq: 22 Jun 2018 4:48

Tgt Ion: 65 Resp: 1378

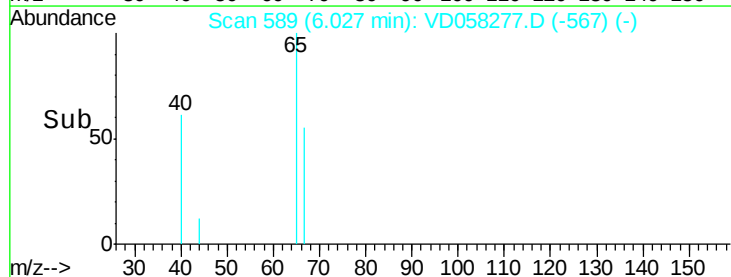
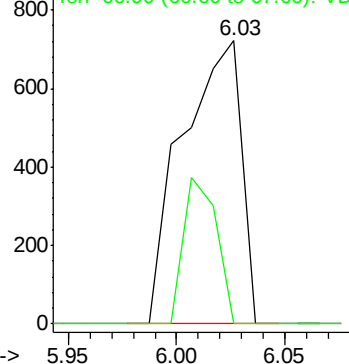
Ion Ratio Lower Upper

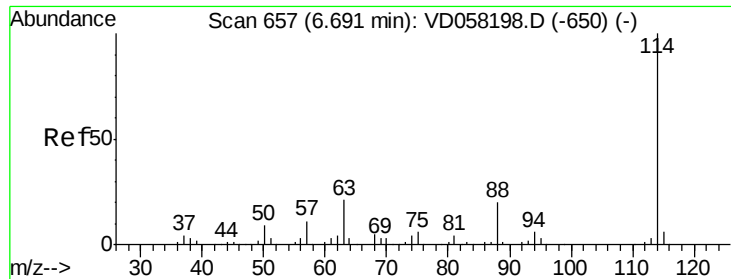
65 100

67 0.0 0.0 97.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

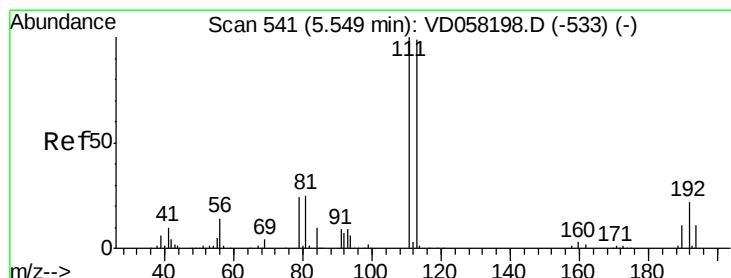
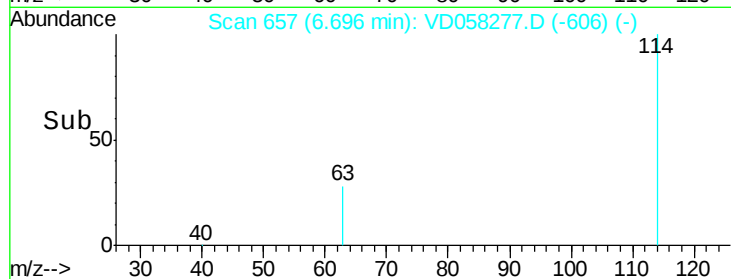
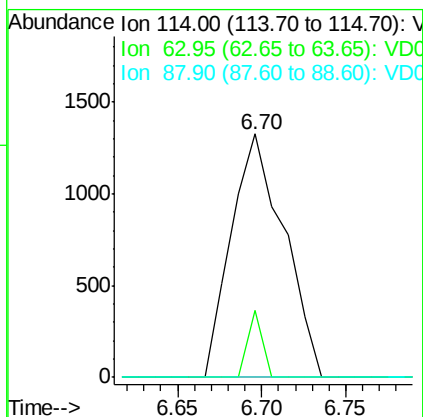
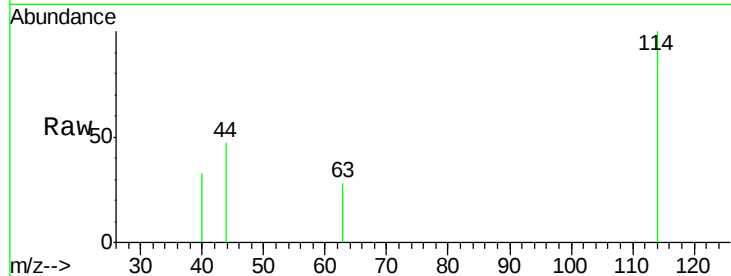




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.70 min Scan# 657
 Delta R.T. 0.01 min
 Lab File: VD058277.D
 Acq: 22 Jun 2018 4:48

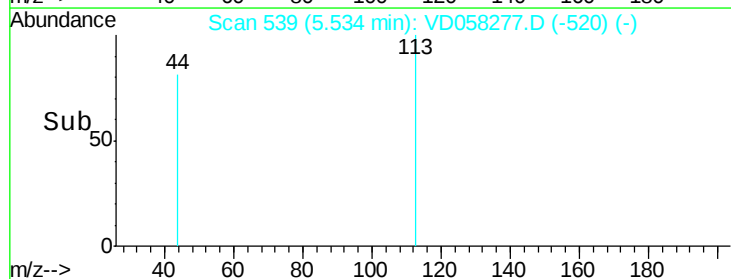
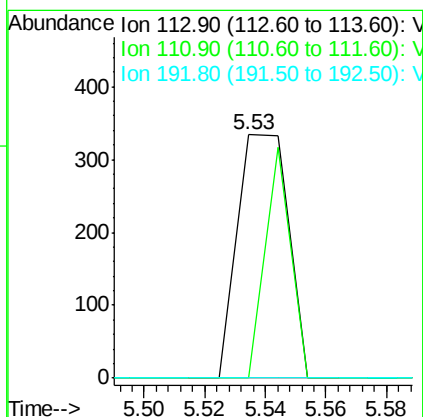
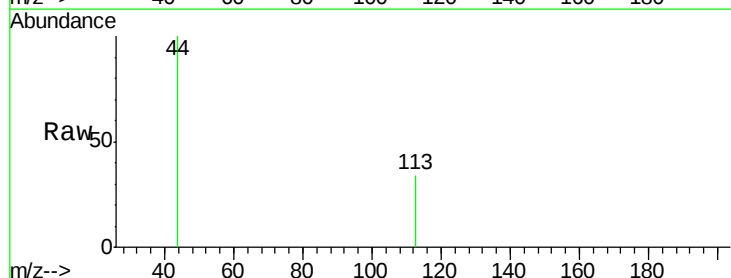
Instrument :
 MSVOA_D
 ClientSampleId :
 SP-D

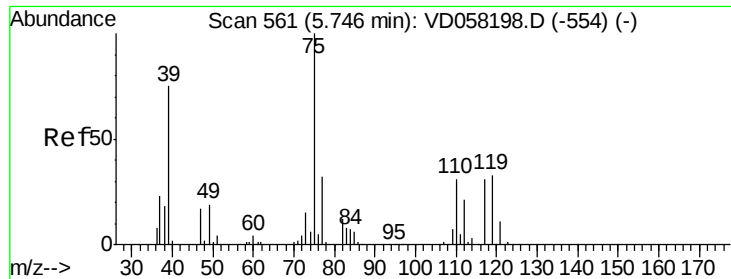
Tot Ion:114 Resp: 2877
 Ion Ratio Lower Upper
 114 100
 63 27.7 0.0 42.6
 88 0.0 0.0 40.6



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.53 min Scan# 539
 Delta R.T. -0.01 min
 Lab File: VD058277.D
 Acq: 22 Jun 2018 4:48

Tgt Ion:113 Resp: 393
 Ion Ratio Lower Upper
 113 100
 111 0.0 80.6 121.0#
 192 0.0 17.8 26.6#

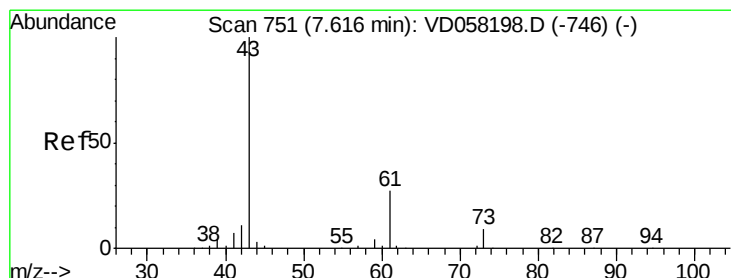
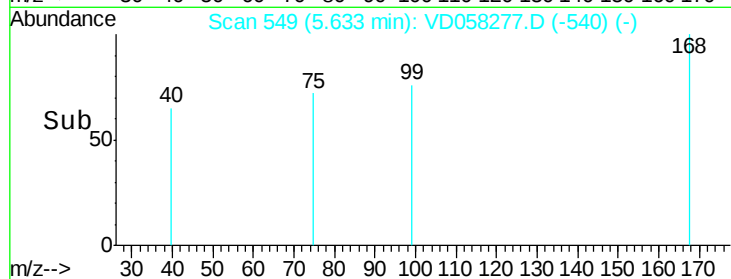
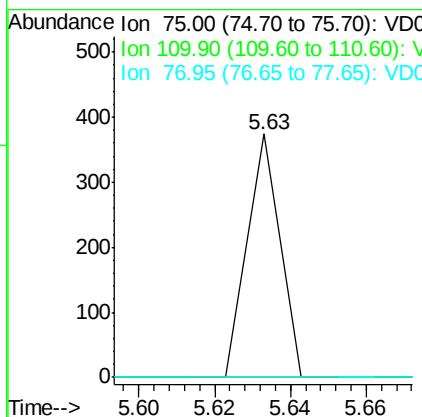
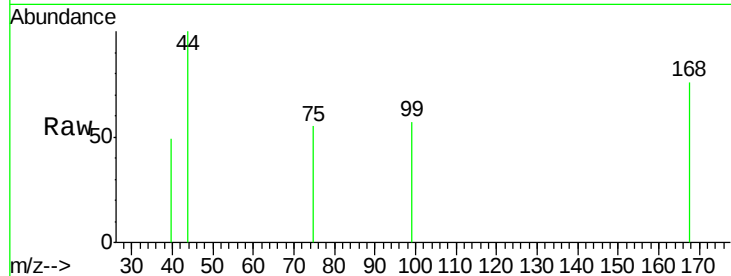




#36
 1,1-Dichloropropene
 Concen: 7.765 ug/l
 RT: 5.63 min Scan# 549
 Delta R.T. -0.11 min
 Lab File: VD058277.D
 Acq: 22 Jun 2018 4:48

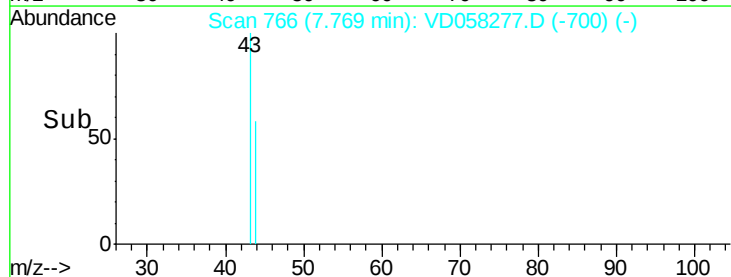
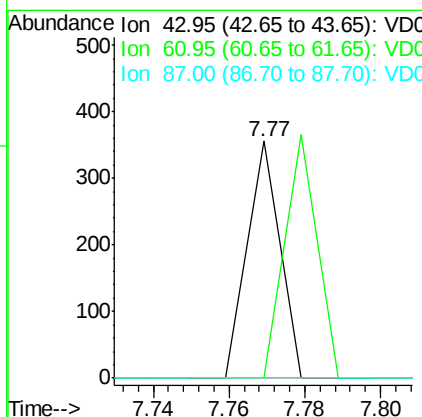
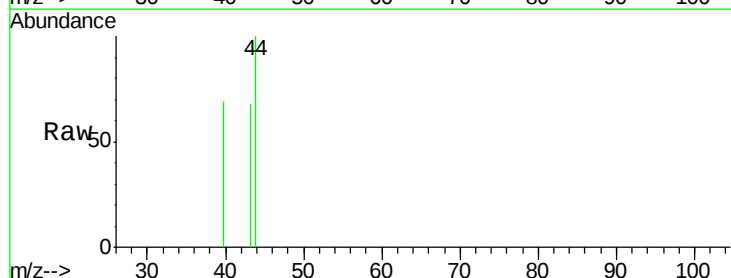
Instrument :
 MSVOA_D
 ClientSampleID :
 SP-D

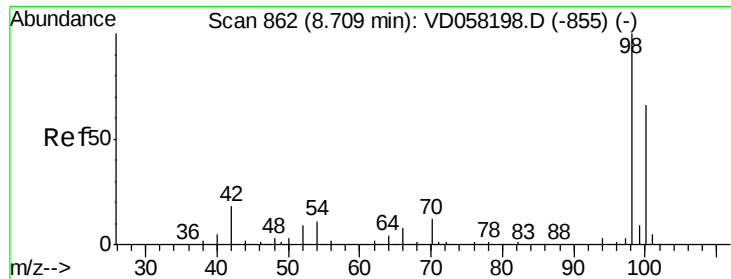
Tot Ion: 75 Resp: 221
 Ion Ratio Lower Upper
 75 100
 110 0.0 15.4 46.4#
 77 0.0 25.4 38.2#



#43
 Isopropyl Acetate
 Concen: 9.714 ug/l
 RT: 7.77 min Scan# 766
 Delta R.T. 0.15 min
 Lab File: VD058277.D
 Acq: 22 Jun 2018 4:48

Tgt Ion: 43 Resp: 210
 Ion Ratio Lower Upper
 43 100
 61 0.0 21.8 32.6#
 87 0.0 0.3 0.5#





#50

Toluene-d8

Concen: N.D. ug/l

RT: 8.71 min Scan# 862

Delta R.T. 0.01 min

Lab File: VD058277.D

Acq: 22 Jun 2018 4:48

Instrument :

MSVOA_D

ClientSampled :

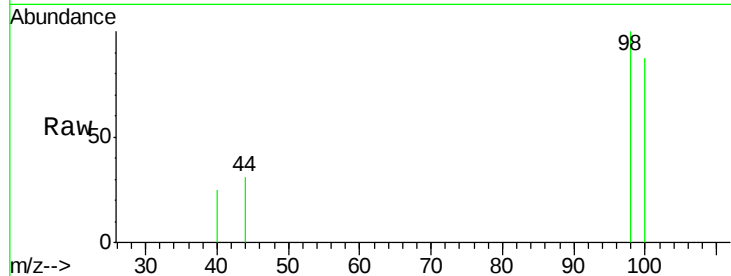
SP-D

Tot Ion: 98 Resp: 2767

Ion Ratio Lower Upper

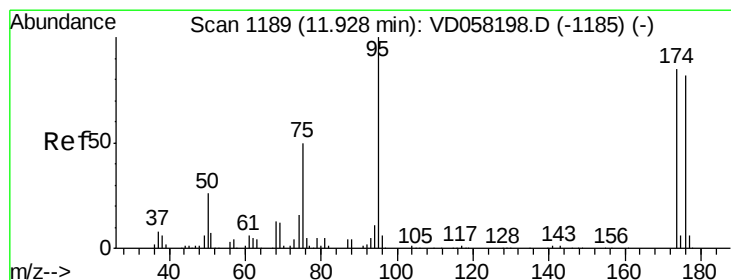
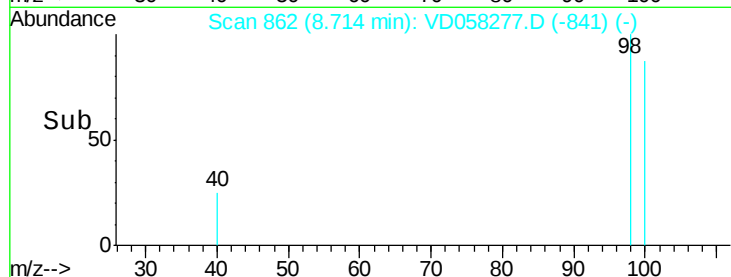
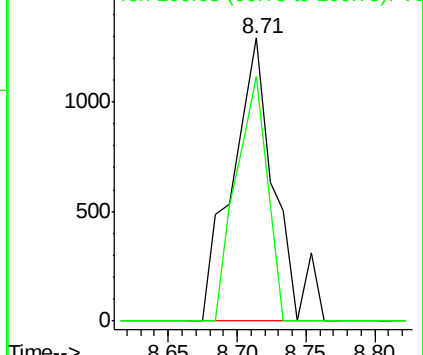
98 100

100 86.6 53.6 80.4#



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.01 min

Lab File: VD058277.D

Acq: 22 Jun 2018 4:48

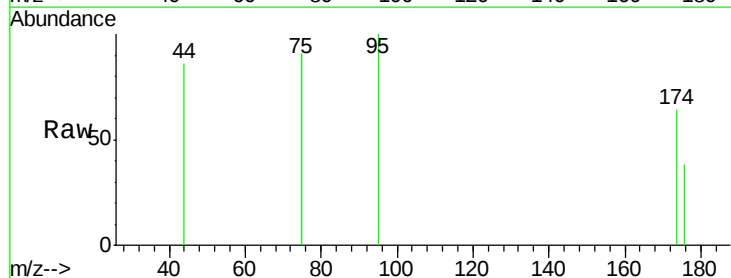
Tgt Ion: 95 Resp: 1111

Ion Ratio Lower Upper

95 100

174 64.5 0.0 170.2

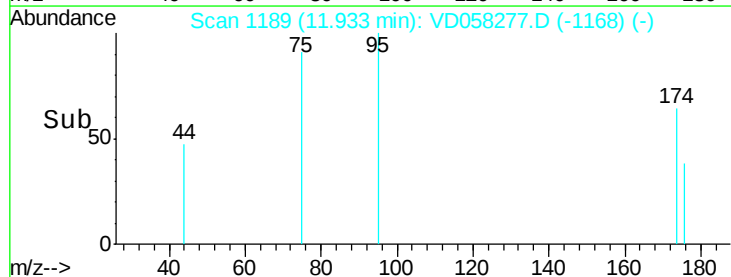
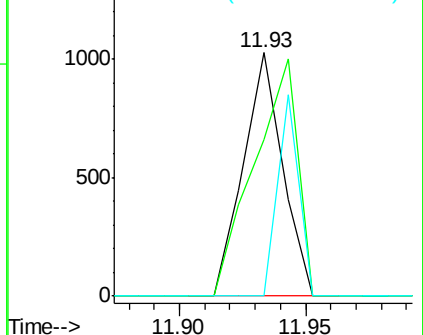
176 0.0 0.0 164.6

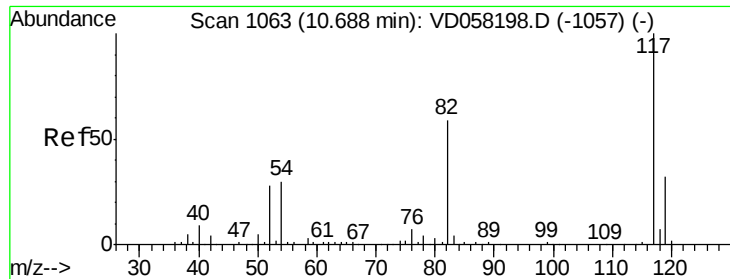


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): VDC

Ion 175.90 (175.60 to 176.60): VDC





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.69 min Scan# 1063

Delta R.T. 0.01 min

Lab File: VD058277.D

Acq: 22 Jun 2018 4:48

Instrument :

MSVOA_D

ClientSampleId :

SP-D

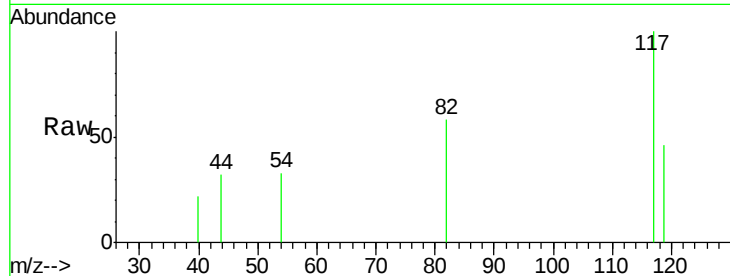
Tot Ion:117 Resp: 2424

Ion Ratio Lower Upper

117 100

82 57.6 47.0 70.6

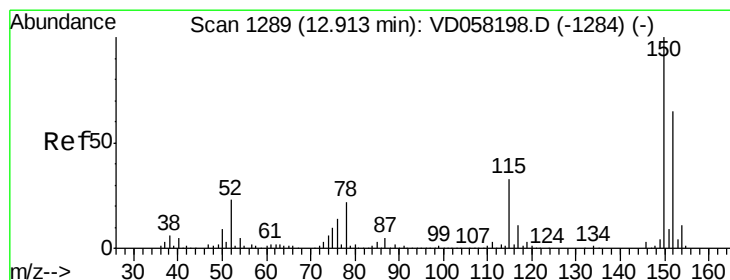
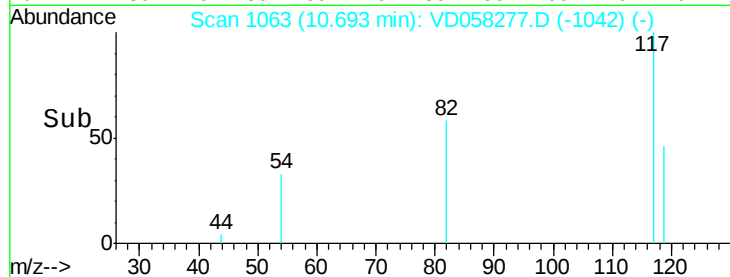
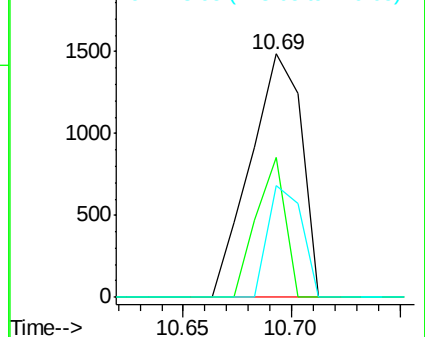
119 45.7 25.3 37.9#



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: 50.000 ug/l

RT: 12.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VD058277.D

Acq: 22 Jun 2018 4:48

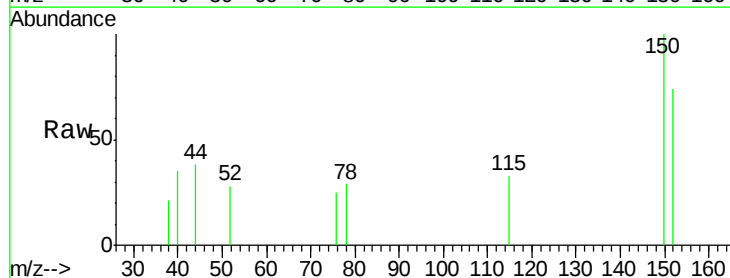
Tgt Ion:152 Resp: 1201

Ion Ratio Lower Upper

152 100

115 45.4 25.1 75.3

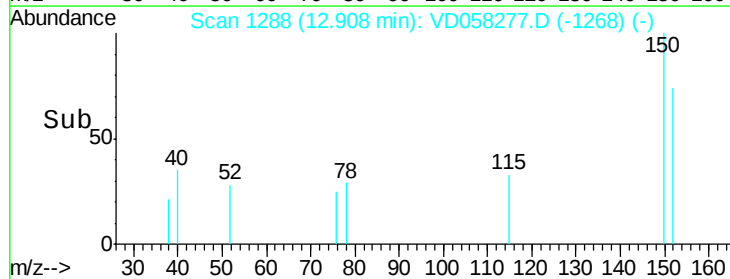
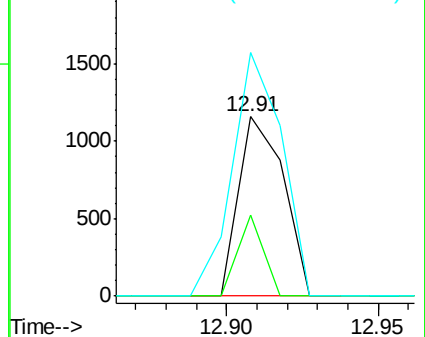
150 136.0 0.0 308.8

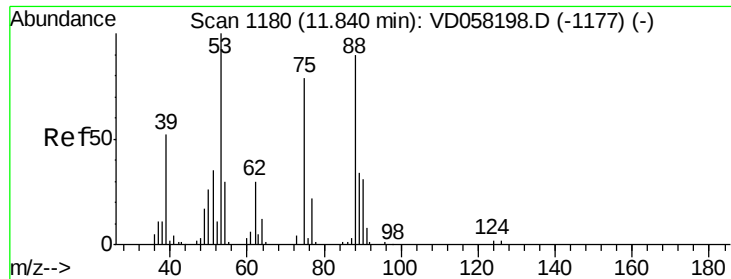


Abundance Ion 151.90 (151.60 to 152.60): V

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: 129.073 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.09 min

Lab File: VD058277.D

Acq: 22 Jun 2018 4:48

Instrument :

MSVOA_D

ClientSampleId :

SP-D

Tot Ion: 75 Resp: 552

Ion Ratio Lower Upper

75 100

53 0.0 100.8 151.2#

89 0.0 34.6 52.0#

