

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062118\
 Data File : VD058284.D
 Acq On : 22 Jun 2018 8:07
 Operator : VA/AP
 Sample : J3595-01
 Misc : 4.30g/5ml/MSVOA D/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 SC-01-ABC

Quant Time: Jun 22 08:25:52 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	1660	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.70	114	3348	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.70	117	4469	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	1936	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	2999	178.86	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	357.72%	
35) Dibromofluoromethane	5.56	113	927	34.02	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	68.04%	
50) Toluene-d8	8.71	98	4990	75.69	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	151.38%	
62) 4-Bromofluorobenzene	11.93	95	1987	73.78	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	147.56%	

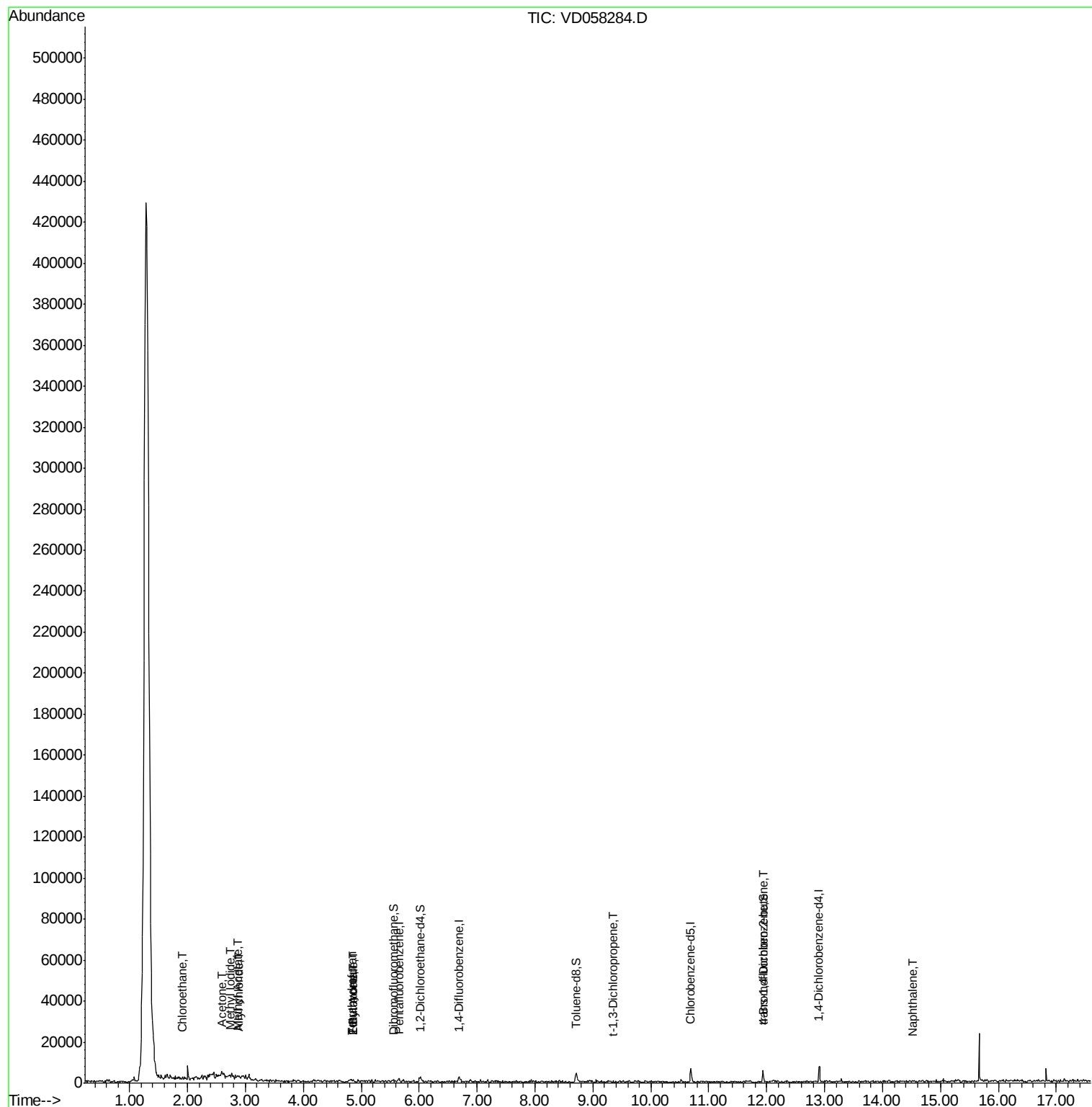
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.70	94	466	Below Cal	#	3
6) Chloroethane	1.91	64	186	60.006	ug/l #	41
10) Methyl Iodide	2.73	142	250	28.996	ug/l #	28
14) Allyl chloride	2.88	41	424	31.943	ug/l #	10
16) Acetone	2.60	43	2359	1028.761	ug/l #	62
18) Methyl Acetate	2.86	43	189	38.648	ug/l #	65
25) 2-Butanone	4.85	43	290	58.026	ug/l #	60
29) Tetrahydrofuran	4.84	42	184	69.168	ug/l #	37
37) Ethyl Acetate	4.85	43	290	15.368	ug/l #	72
53) t-1,3-Dichloropropene	9.35	75	216	7.511	ug/l #	42
81) trans-1,4-Dichloro-2-buten	11.93	75	674	97.767	ug/l #	1
95) Naphthalene	14.52	128	188	2.909	ug/l #	70

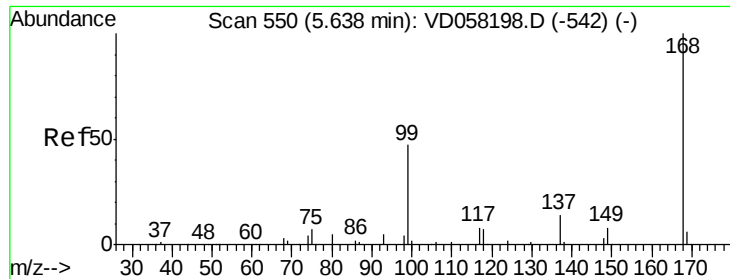
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062118\
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 551

Delta R.T. 0.01 min

Lab File: VD058284.D

Acq: 22 Jun 2018 8:07

Instrument :

MSVOA_D

ClientSampleId :

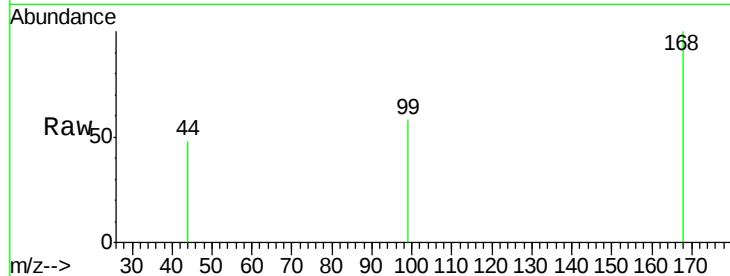
SC-01-ABC

Tot Ion:168 Resp: 1660

Ion Ratio Lower Upper

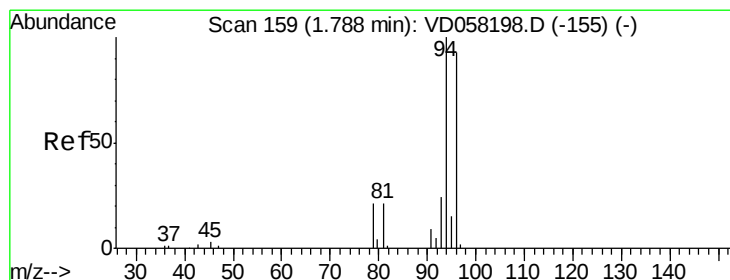
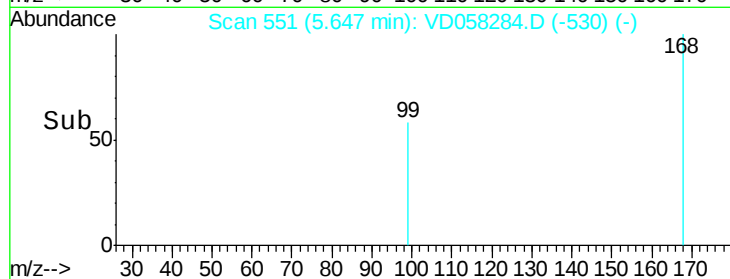
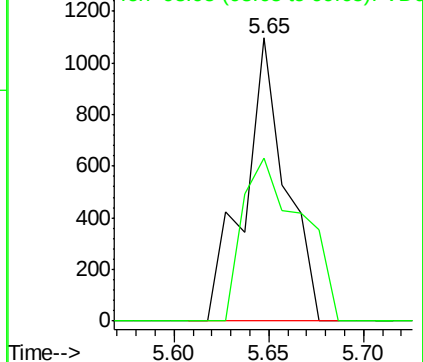
168 100

99 57.7 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: Below Cal

RT: 1.70 min Scan# 150

Delta R.T. -0.09 min

Lab File: VD058284.D

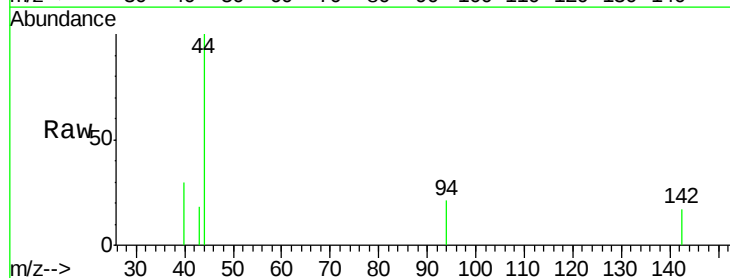
Acq: 22 Jun 2018 8:07

Tgt Ion: 94 Resp: 466

Ion Ratio Lower Upper

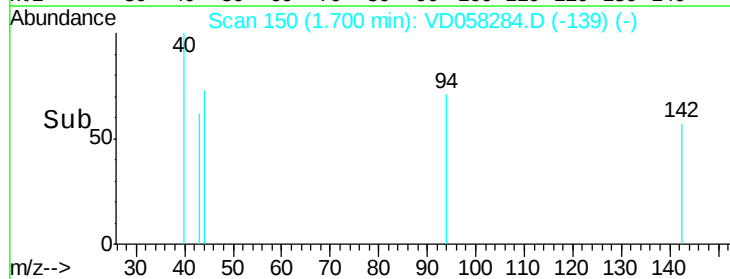
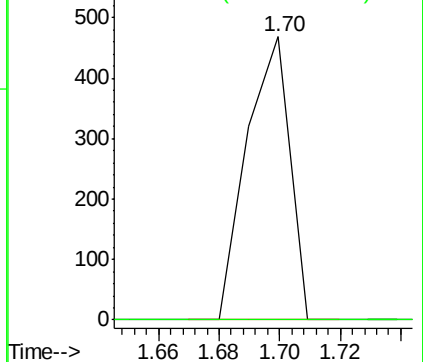
94 100

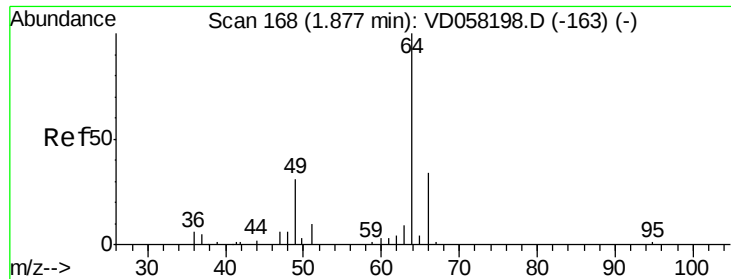
96 0.0 74.2 111.2#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#6

Chloroethane

Concen: 60.006 ug/l

RT: 1.91 min Scan# 171

Delta R.T. 0.03 min

Lab File: VD058284.D

Acq: 22 Jun 2018 8:07

Instrument :

MSVOA_D

ClientSampleId :

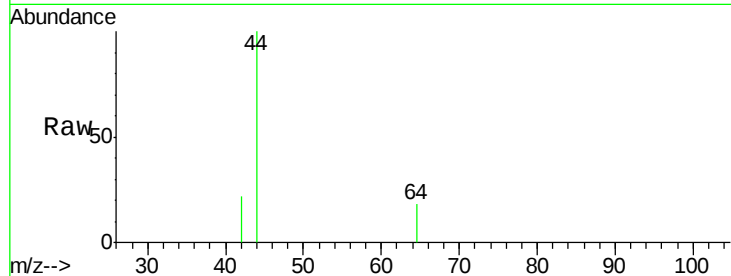
SC-01-ABC

Tot Ion: 64 Resp: 186

Ion Ratio Lower Upper

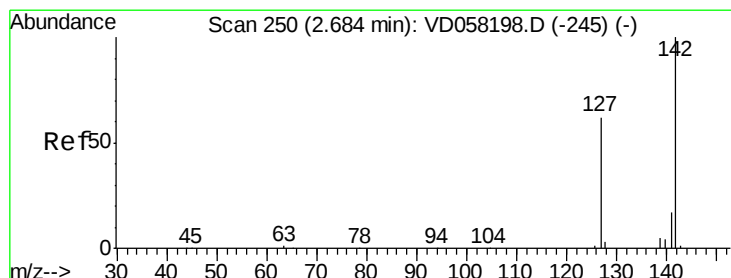
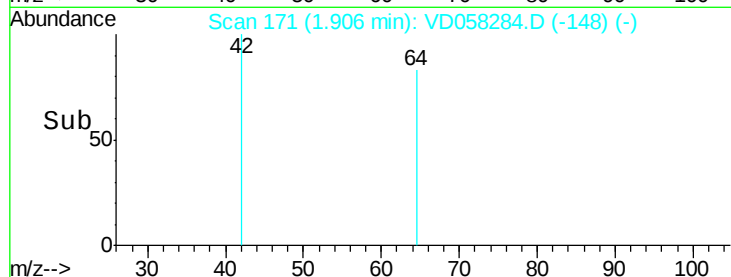
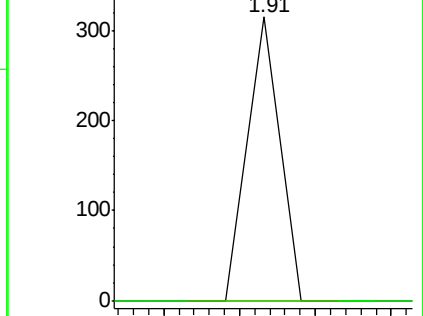
64 100

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



#10

Methyl Iodide

Concen: 28.996 ug/l

RT: 2.73 min Scan# 255

Delta R.T. 0.05 min

Lab File: VD058284.D

Acq: 22 Jun 2018 8:07

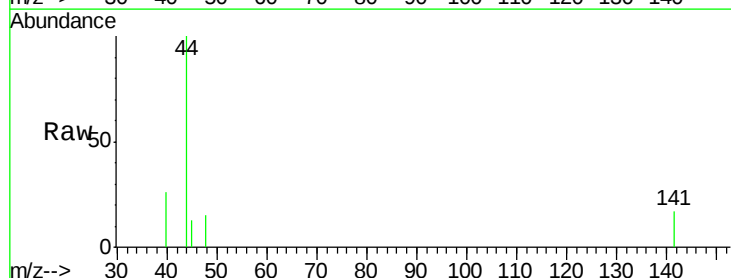
Tgt Ion:142 Resp: 250

Ion Ratio Lower Upper

142 100

127 0.0 49.4 74.0#

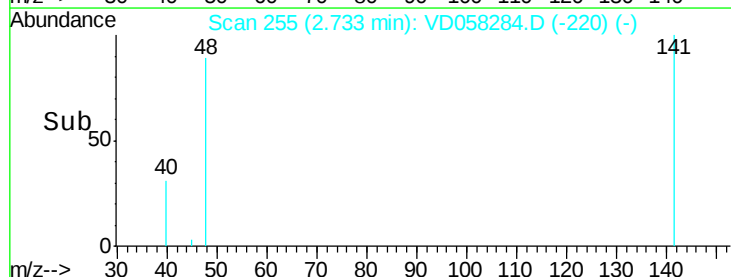
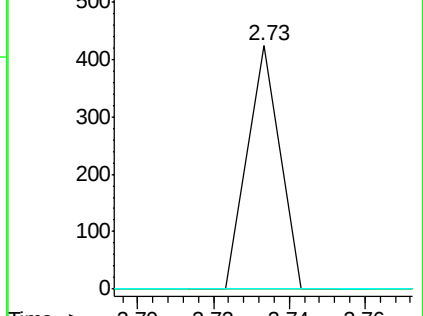
141 0.0 13.5 20.3#

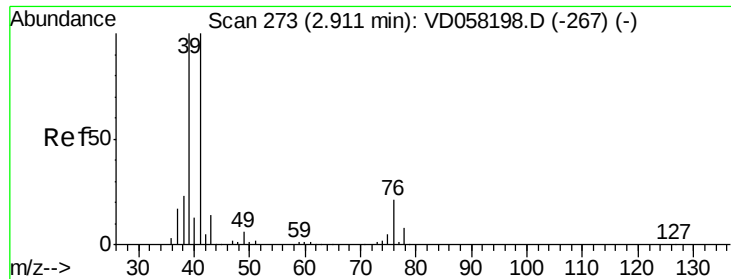


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#14

Allvl chloride

Concen: 31.943 ug/l

RT: 2.88 min Scan# 270

Delta R.T. -0.03 min

Lab File: VD058284.D

Acq: 22 Jun 2018 8:07

Instrument :

MSVOA_D

ClientSampleId :

SC-01-ABC

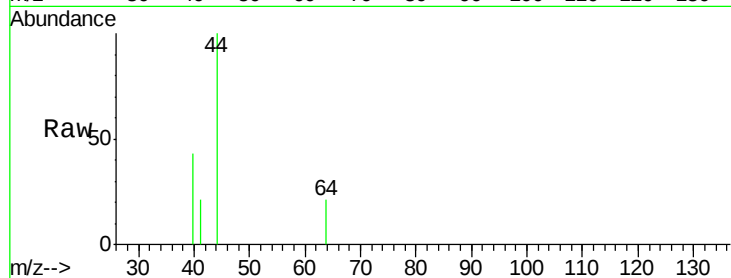
Tot Ion: 41 Resp: 424

Ion Ratio Lower Upper

41 100

39 0.0 80.1 120.1#

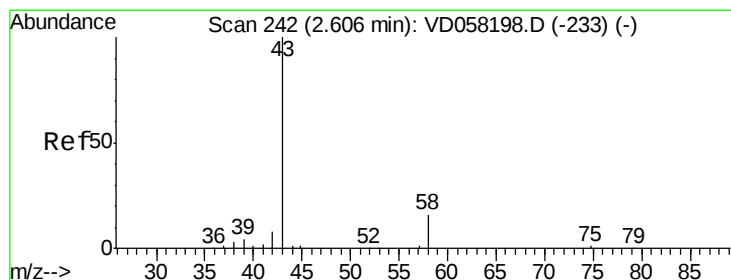
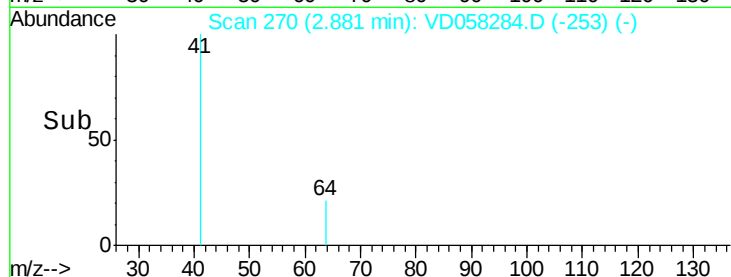
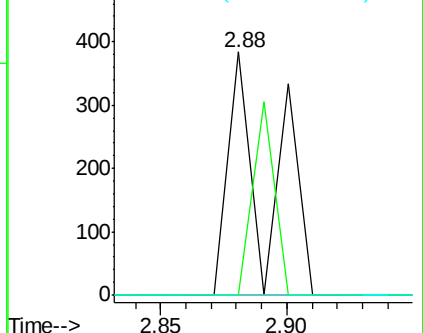
76 0.0 19.4 29.2#



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC



#16

Acetone

Concen: 1028.761 ug/l

RT: 2.60 min Scan# 241

Delta R.T. -0.01 min

Lab File: VD058284.D

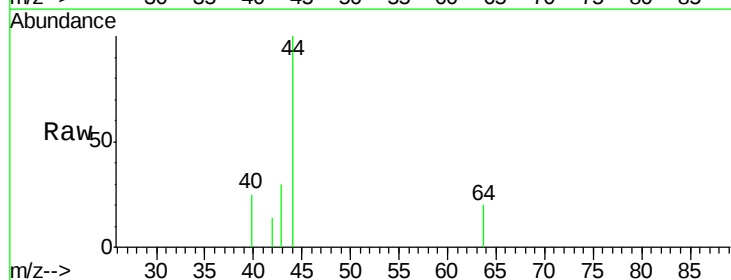
Acq: 22 Jun 2018 8:07

Tgt Ion: 43 Resp: 2359

Ion Ratio Lower Upper

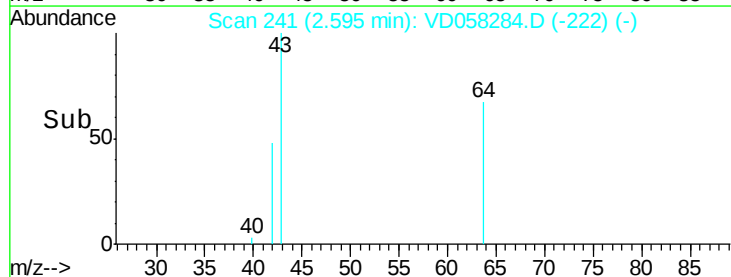
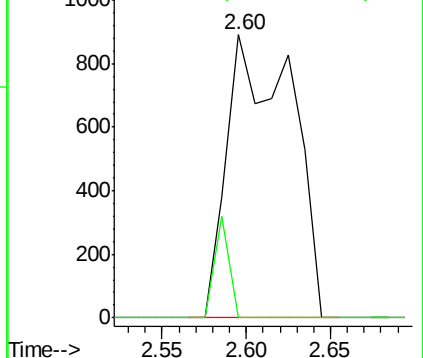
43 100

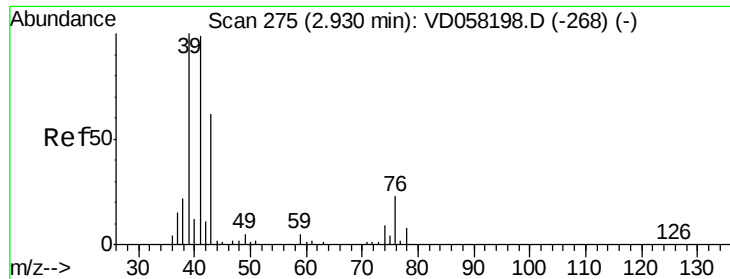
58 0.0 12.7 19.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

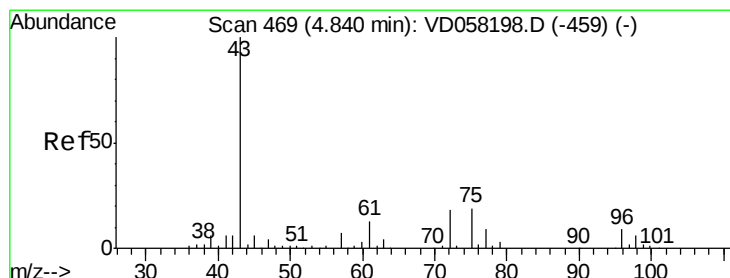
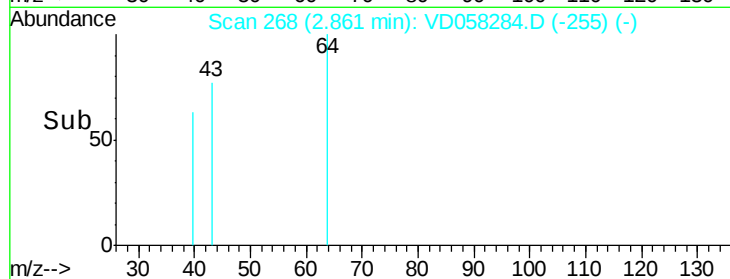
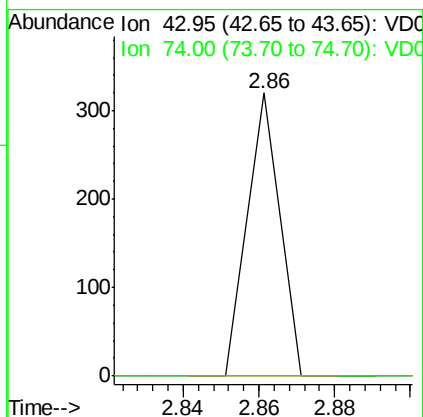
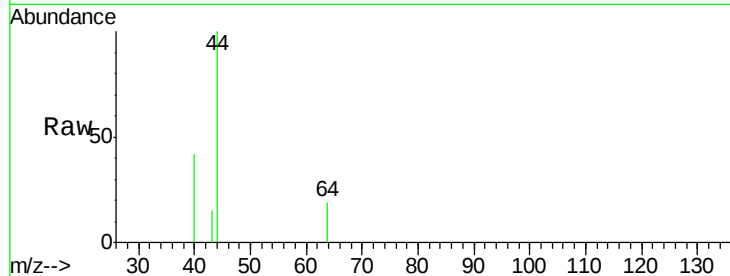




#18
Methyl Acetate
Concen: 38.648 ug/l
RT: 2.86 min Scan# 268
Delta R.T. -0.07 min
Lab File: VD058284.D
Acq: 22 Jun 2018 8:07

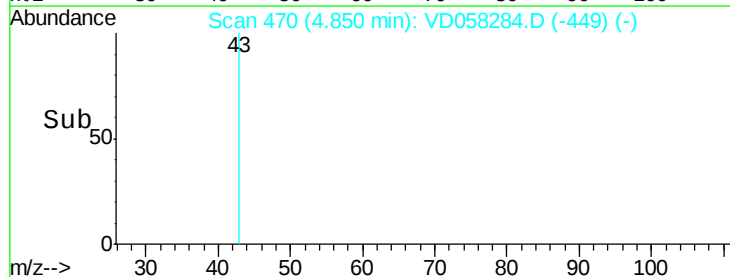
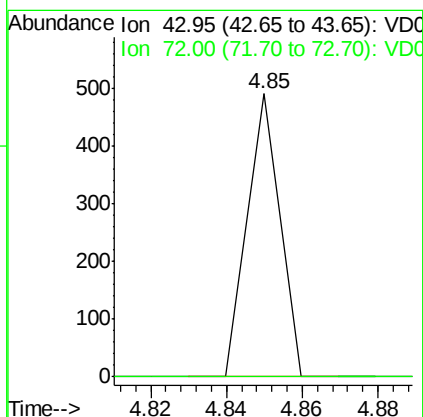
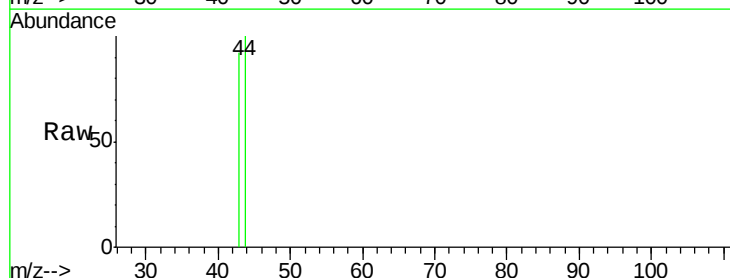
Instrument :
MSVOA_D
ClientSampleId :
SC-01-ABC

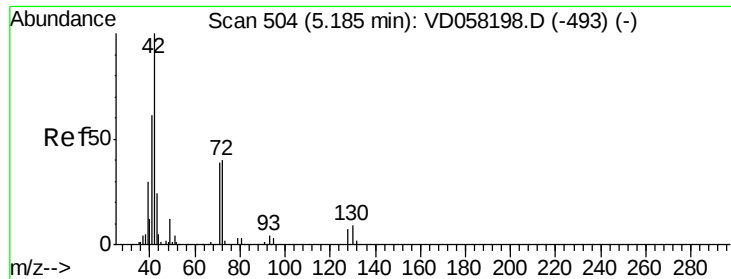
Tot Ion: 43 Resp: 189
Ion Ratio Lower Upper
43 100
74 0.0 11.7 17.5#



#25
2-Butanone
Concen: 58.026 ug/l
RT: 4.85 min Scan# 470
Delta R.T. 0.01 min
Lab File: VD058284.D
Acq: 22 Jun 2018 8:07

Tgt Ion: 43 Resp: 290
Ion Ratio Lower Upper
43 100
72 0.0 14.1 21.1#





#29

Tetrahydrofuran

Concen: 69.168 ug/l

RT: 4.84 min Scan# 469

Delta R.T. -0.34 min

Lab File: VD058284.D

Acq: 22 Jun 2018 8:07

Instrument :

MSVOA_D

ClientSampleId :

SC-01-ABC

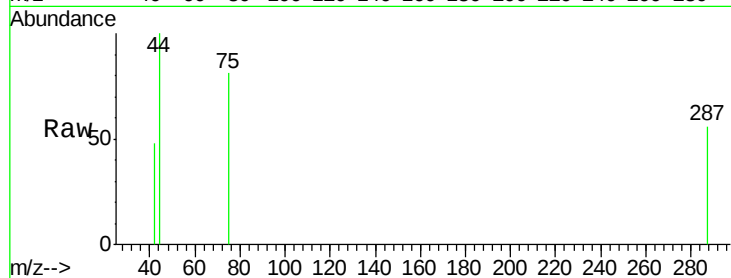
Tot Ion: 42 Resp: 184

Ion Ratio Lower Upper

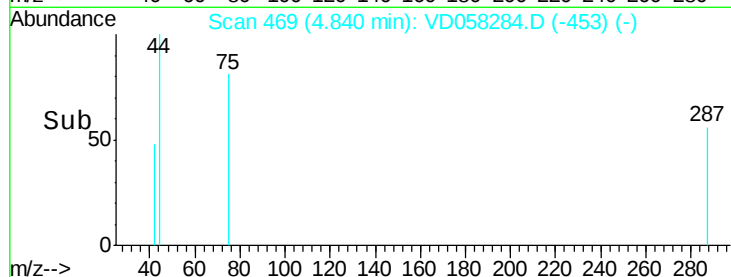
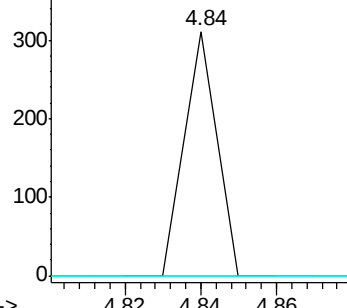
42 100

72 0.0 30.2 45.2#

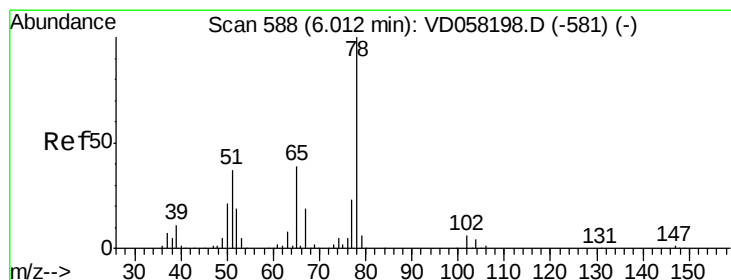
71 0.0 30.1 45.1#



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



Time-->



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.02 min Scan# 589

Delta R.T. 0.01 min

Lab File: VD058284.D

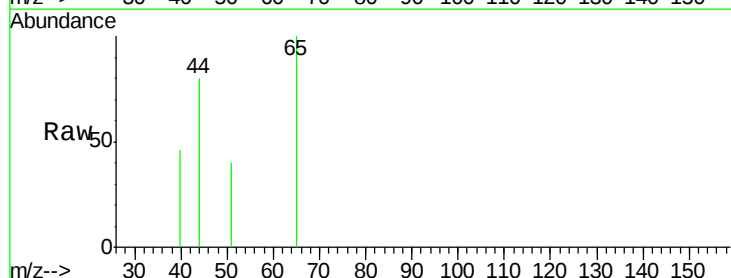
Acq: 22 Jun 2018 8:07

Tgt Ion: 65 Resp: 2999

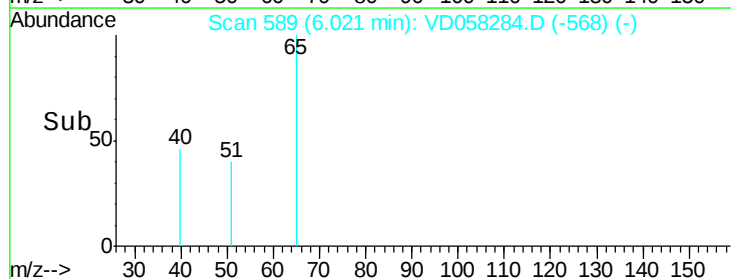
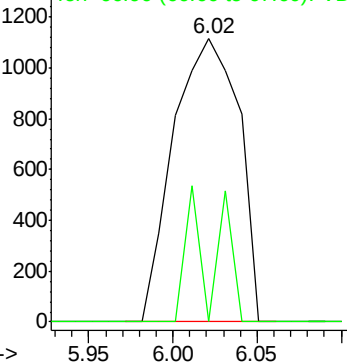
Ion Ratio Lower Upper

65 100

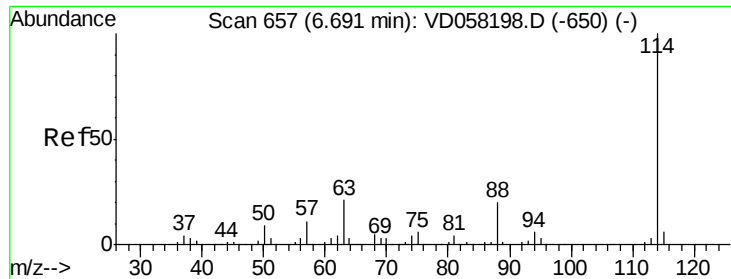
67 0.0 0.0 97.8



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



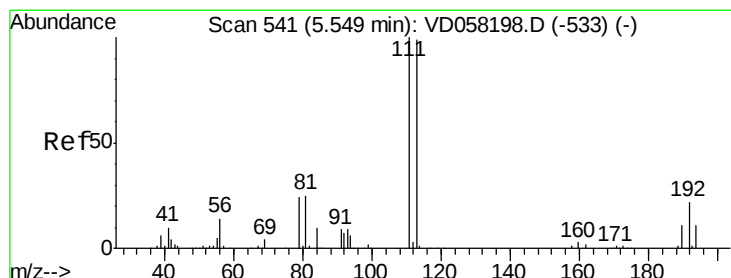
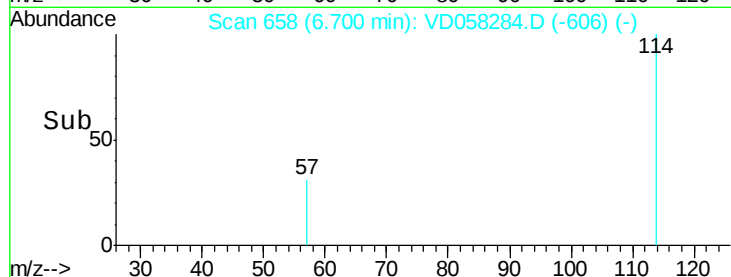
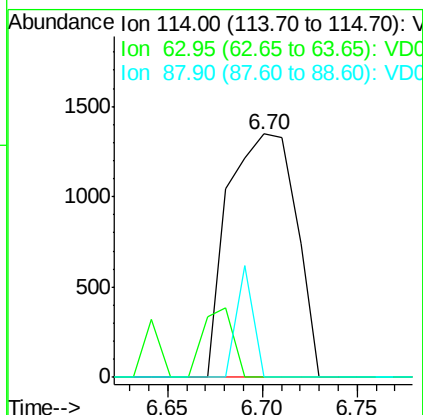
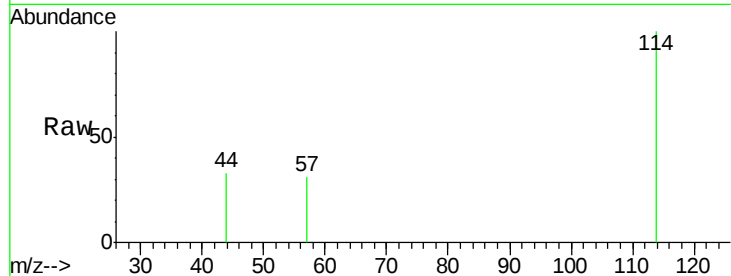
Time-->



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.70 min Scan# 658
 Delta R.T. 0.01 min
 Lab File: VD058284.D
 Acq: 22 Jun 2018 8:07

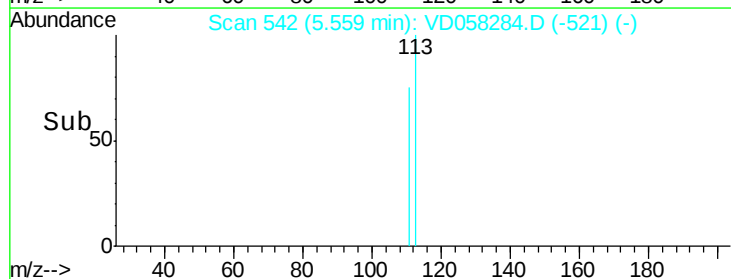
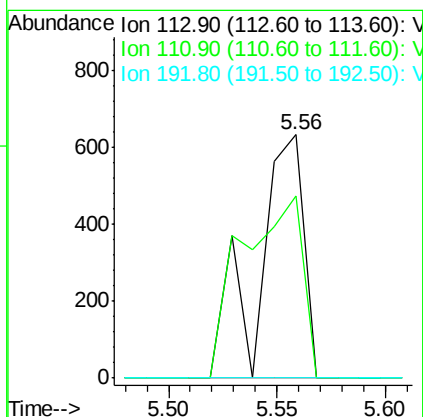
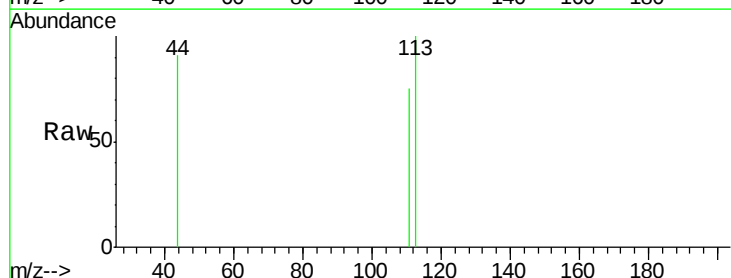
Instrument :
 MSVOA_D
 ClientSampleId :
 SC-01-ABC

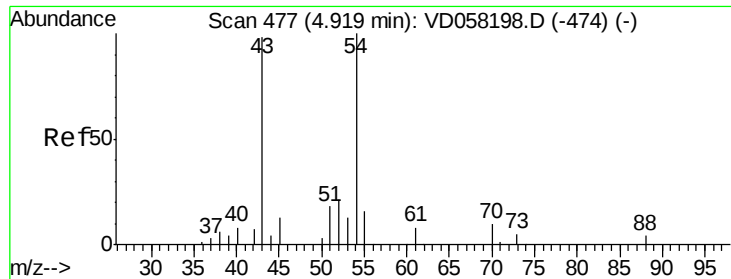
Tot Ion:114 Resp: 3348
 Ion Ratio Lower Upper
 114 100
 63 0.0 0.0 42.6
 88 0.0 0.0 40.6



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.56 min Scan# 542
 Delta R.T. 0.01 min
 Lab File: VD058284.D
 Acq: 22 Jun 2018 8:07

Tgt Ion:113 Resp: 927
 Ion Ratio Lower Upper
 113 100
 111 75.1 80.6 121.0#
 192 0.0 17.8 26.6#





#37

Ethyl Acetate

Concen: 15.368 ug/l

RT: 4.85 min Scan# 470

Delta R.T. -0.07 min

Lab File: VD058284.D

Acq: 22 Jun 2018 8:07

Instrument :

MSVOA_D

ClientSampleId :

SC-01-ABC

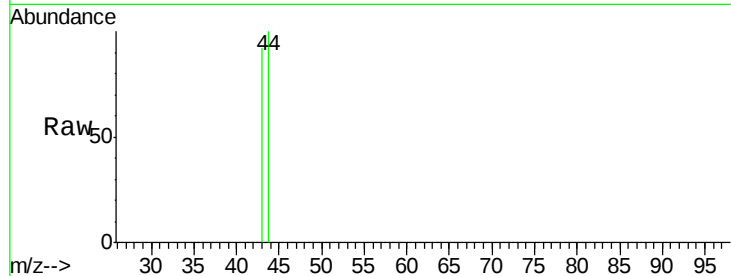
Tot Ion: 43 Resp: 290

Ion Ratio Lower Upper

43 100

61 0.0 10.3 15.5#

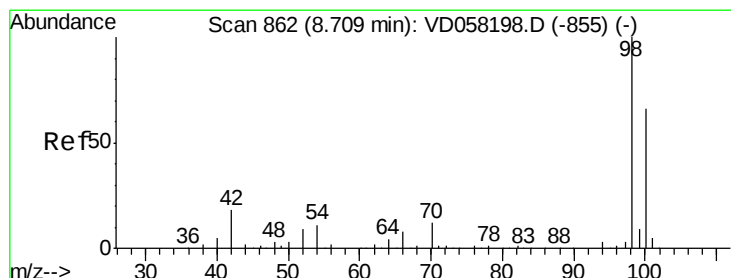
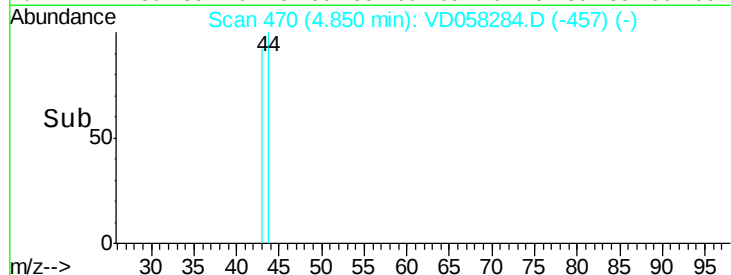
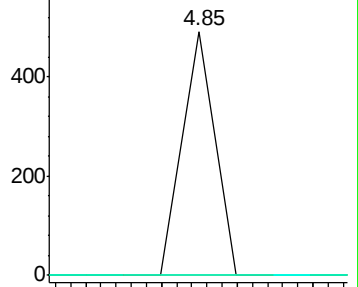
70 0.0 5.7 8.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#50

Toluene-d8

Concen: N.D. ug/l

RT: 8.71 min Scan# 862

Delta R.T. -0.00 min

Lab File: VD058284.D

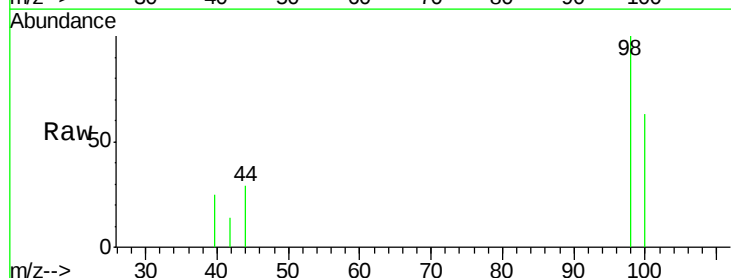
Acq: 22 Jun 2018 8:07

Tgt Ion: 98 Resp: 4990

Ion Ratio Lower Upper

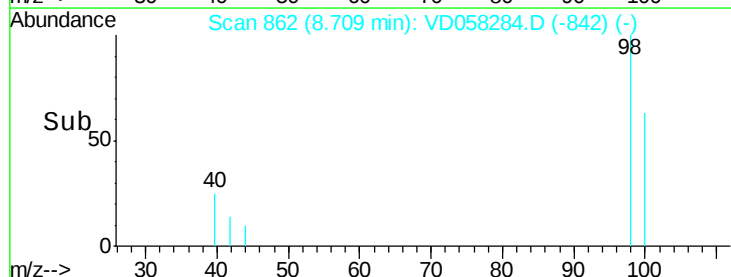
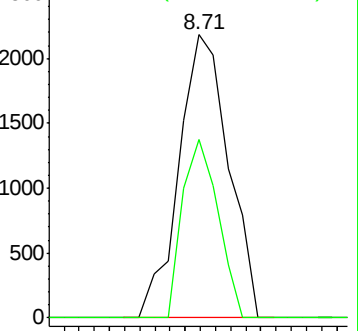
98 100

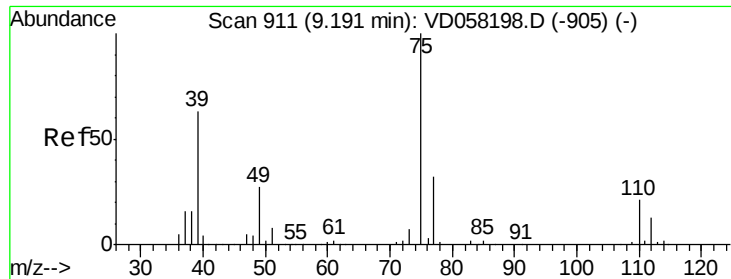
100 63.1 53.6 80.4



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

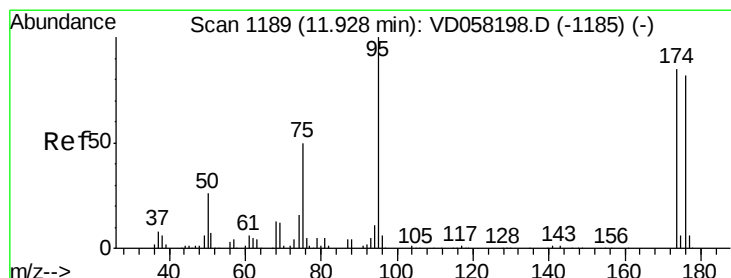
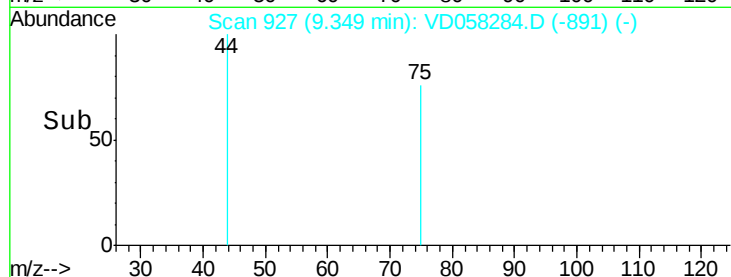
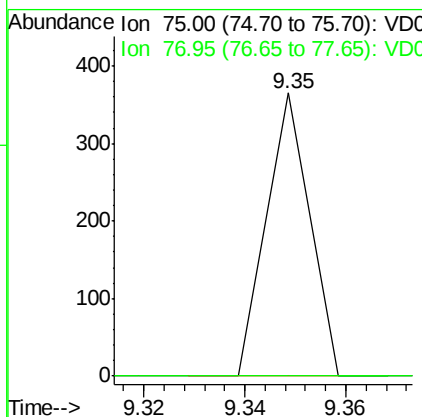
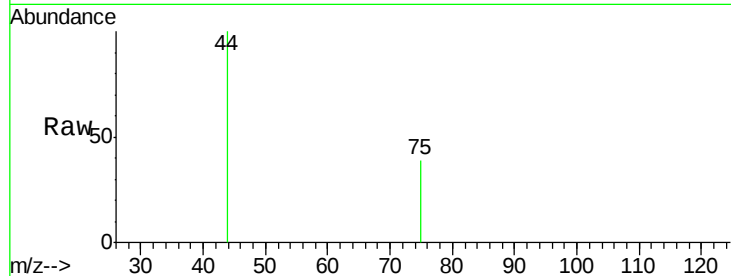




#53
 t-1,3-Dichloropropene
 Concen: 7.511 ug/l
 RT: 9.35 min Scan# 927
 Delta R.T. 0.16 min
 Lab File: VD058284.D
 Acq: 22 Jun 2018 8:07

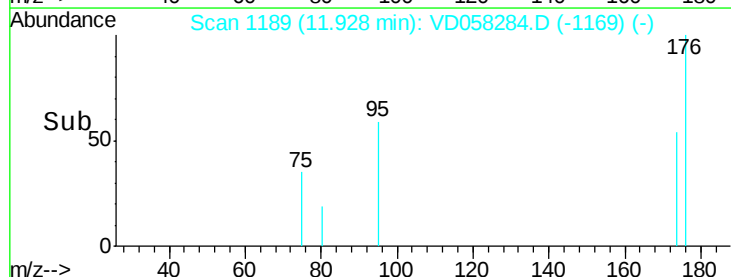
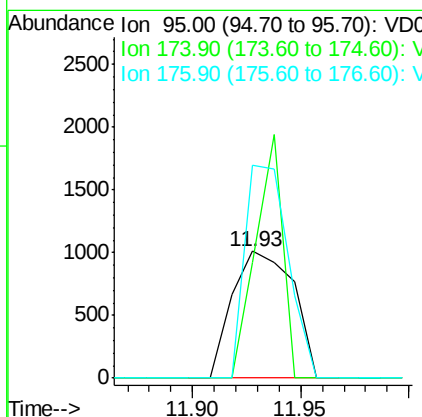
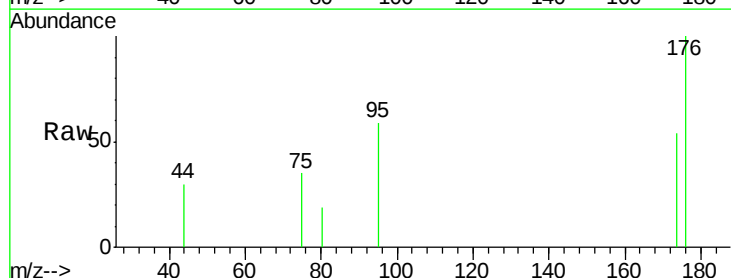
Instrument :
 MSVOA_D
 ClientSampleId :
 SC-01-ABC

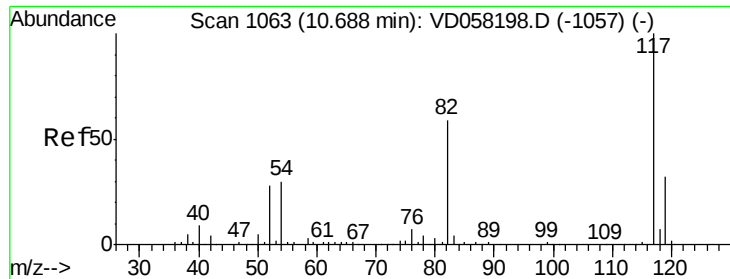
Tot Ion: 75 Resp: 216
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.8 38.8#



#62
 4-Bromofluorobenzene
 Concen: N.D. ug/l
 RT: 11.93 min Scan# 1189
 Delta R.T. -0.00 min
 Lab File: VD058284.D
 Acq: 22 Jun 2018 8:07

Tgt Ion: 95 Resp: 1987
 Ion Ratio Lower Upper
 95 100
 174 91.4 0.0 170.2
 176 168.5 0.0 164.6#

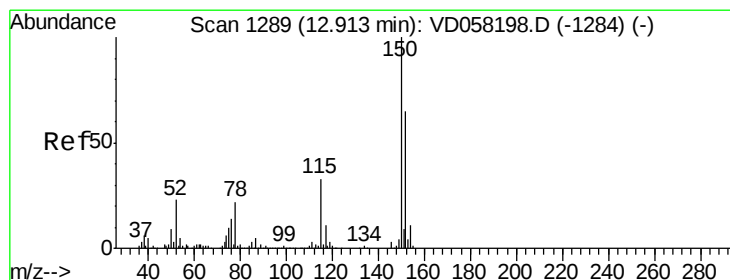
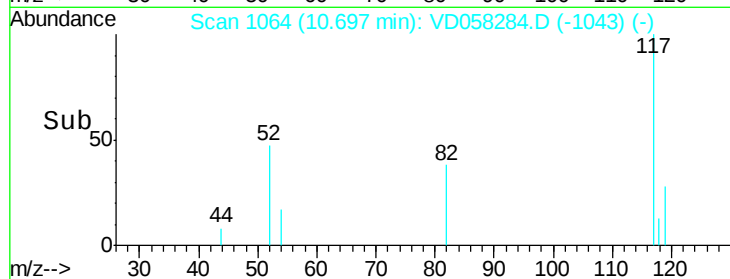
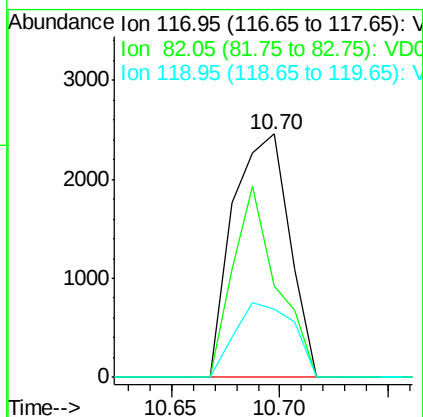
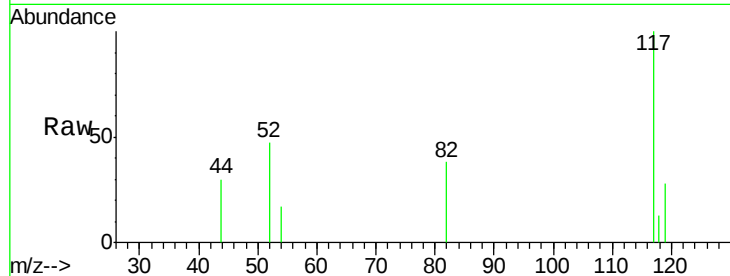




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.70 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VD058284.D
Acq: 22 Jun 2018 8:07

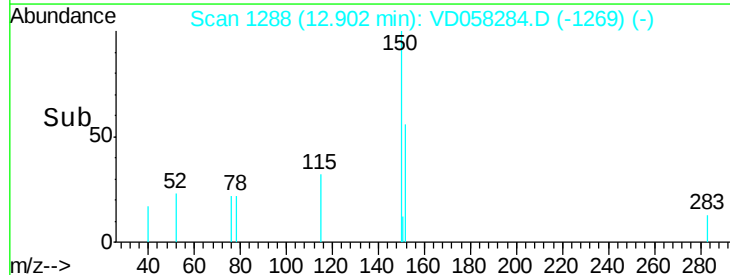
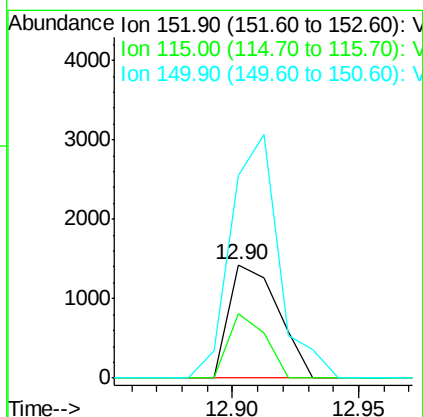
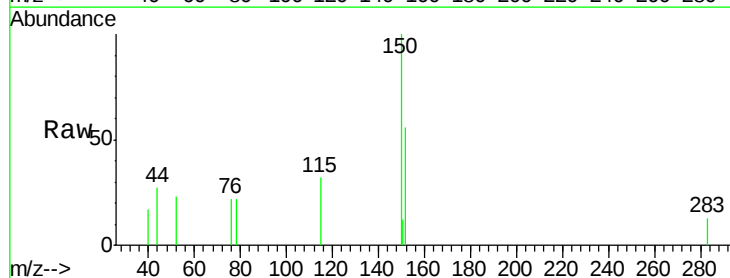
Instrument :
MSVOA_D
ClientSampleId :
SC-01-ABC

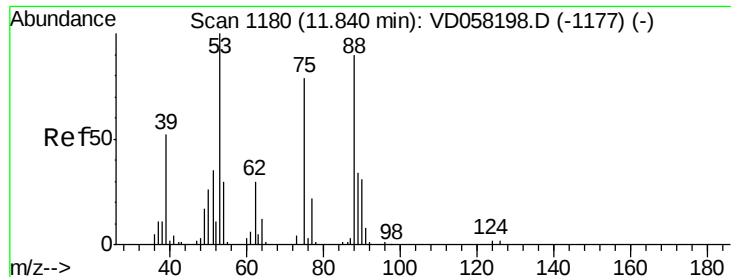
Tot Ion:117 Resp: 4469
Ion Ratio Lower Upper
117 100
82 37.5 47.0 70.6#
119 27.8 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VD058284.D
Acq: 22 Jun 2018 8:07

Tgt Ion:152 Resp: 1936
Ion Ratio Lower Upper
152 100
115 56.4 25.1 75.3
150 179.0 0.0 308.8





#81

trans-1,4-Dichloro-2-butene

Concen: 97.767 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.09 min

Lab File: VD058284.D

Acq: 22 Jun 2018 8:07

Instrument :

MSVOA_D

ClientSampleId :

SC-01-ABC

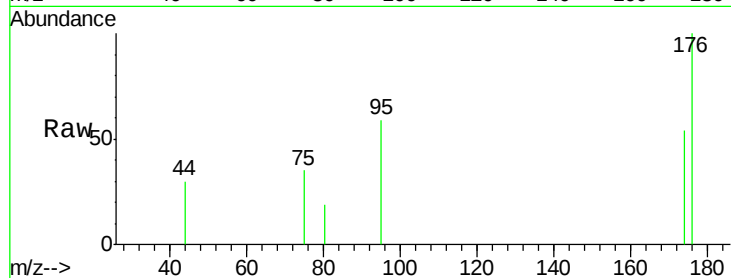
Tot Ion: 75 Resp: 674

Ion Ratio Lower Upper

75 100

53 0.0 100.8 151.2#

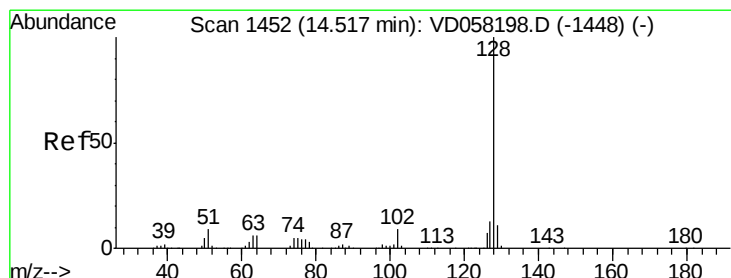
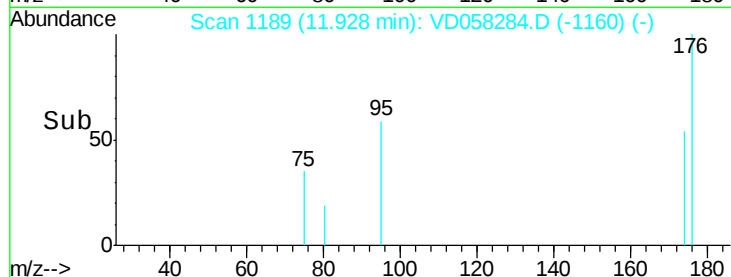
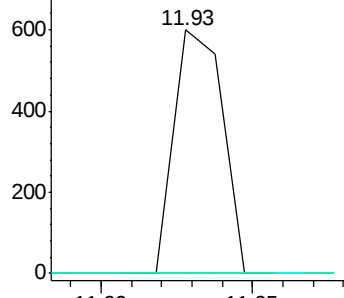
89 0.0 34.6 52.0#



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



#95

Naphthalene

Concen: 2.909 ug/l

RT: 14.52 min Scan# 1452

Delta R.T. -0.00 min

Lab File: VD058284.D

Acq: 22 Jun 2018 8:07

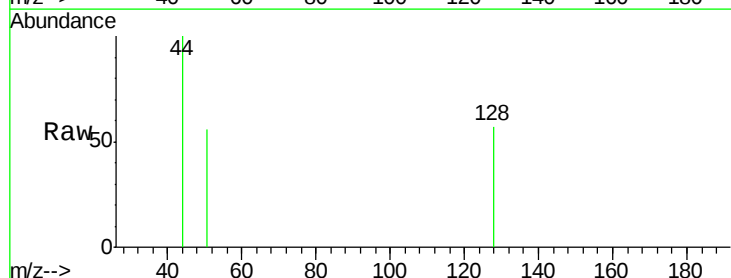
Tgt Ion: 128 Resp: 188

Ion Ratio Lower Upper

128 100

127 0.0 10.0 15.0#

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

