

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062818\
 Data File : VD059477.D
 Acq On : 28 Jun 2018 22:04
 Operator : VA/AP
 Sample : J3677-12RE
 Misc : 5.07g/5ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 29 01:29:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 07:29:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	530729	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	670676	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	516414	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	214230	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	226323	41.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	83.40%	
35) Dibromofluoromethane	5.55	113	256125	46.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.76%	
50) Toluene-d8	8.71	98	513187	40.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	80.36%	
62) 4-Bromofluorobenzene	11.93	95	198662	37.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	74.80%	

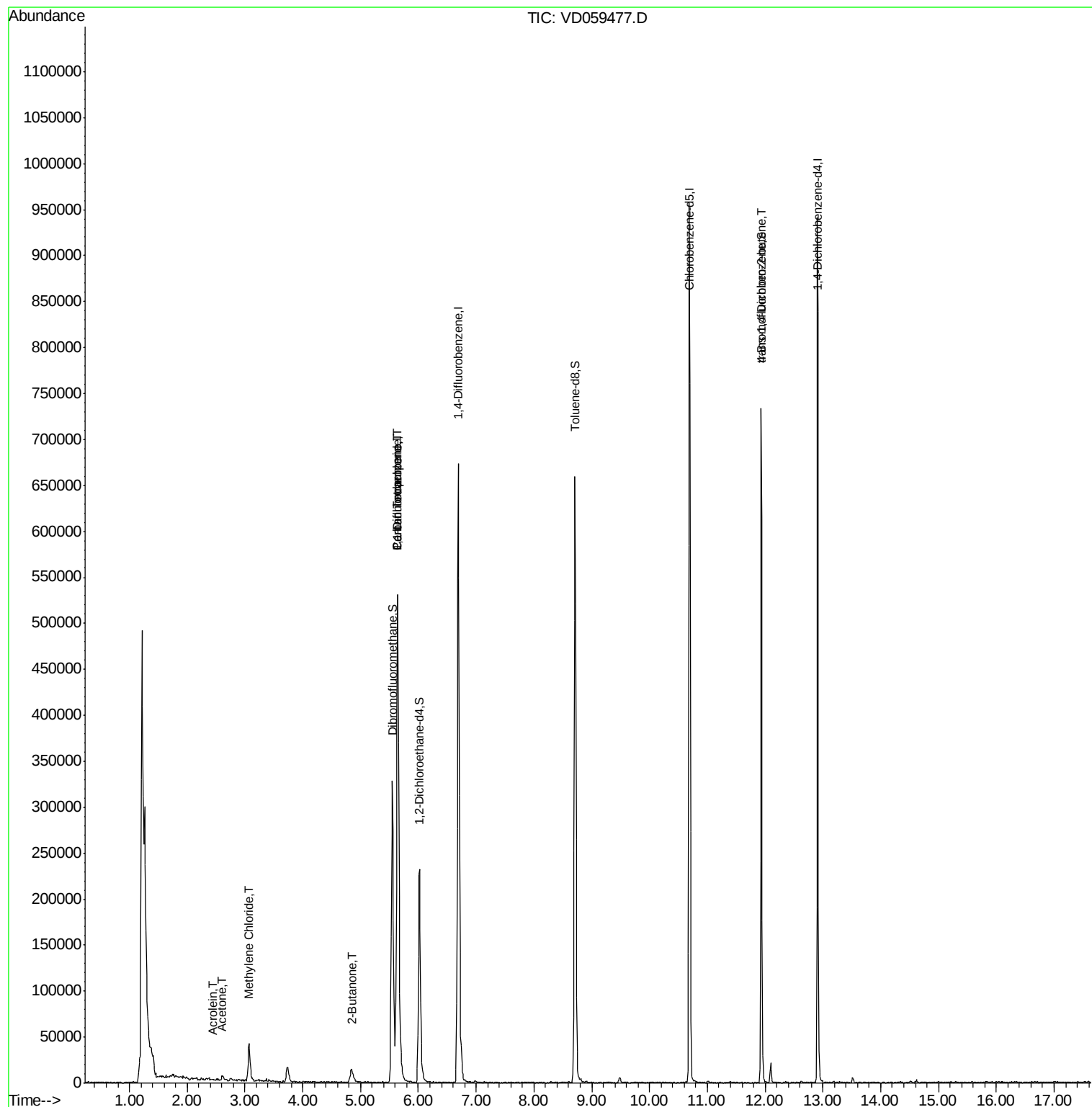
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.71	94	248	Below Cal	#	4
13) Acrolein	2.44	56	188	1.120	ug/l #	16
16) Acetone	2.60	43	11273	16.457	ug/l #	81
18) Methyl Acetate	2.93	43	1448	Below Cal	#	66
20) Methylene Chloride	3.07	84	18688	7.728	ug/l	87
25) 2-Butanone	4.85	43	2231	1.555	ug/l #	57
31) Cyclohexane	5.65	56	13214	Below Cal	#	1
36) 1,1-Dichloropropene	5.64	75	44974	7.392	ug/l #	49
38) Carbon Tetrachloride	5.64	117	44171	7.042	ug/l #	12
81) trans-1,4-Dichloro-2-buten	11.93	75	99414	148.017	ug/l #	1

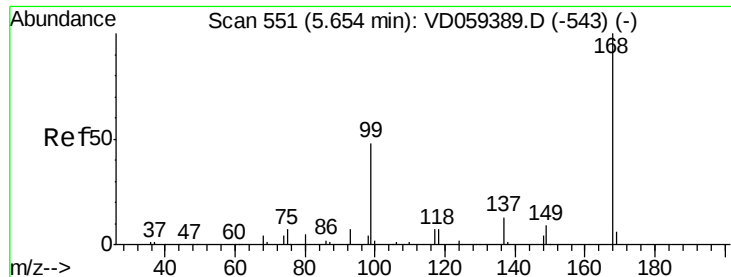
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Jun 25 07:29:35 2018
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: VD059477.D

Acq: 28 Jun 2018 22:04

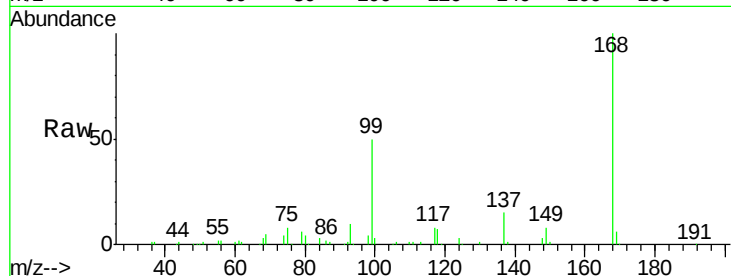
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 530729

Ion Ratio Lower Upper

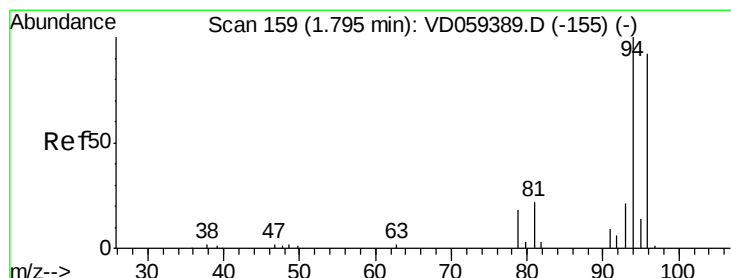
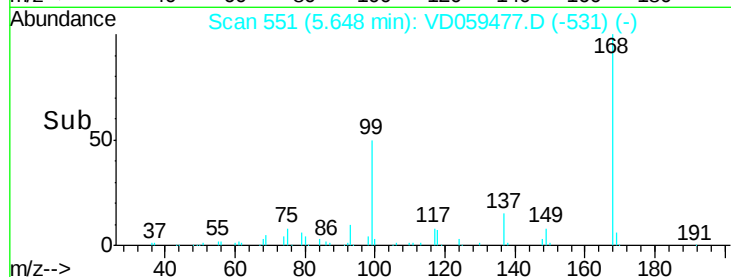
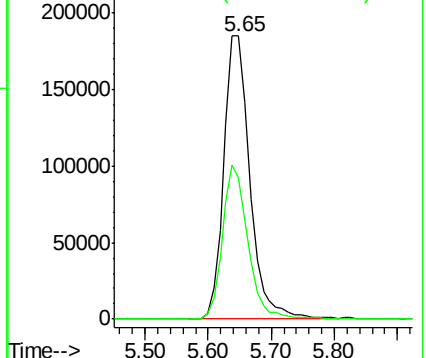
168 100

99 49.9 41.0 61.6



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: 1.71 min Scan# 151

Delta R.T. -0.08 min

Lab File: VD059477.D

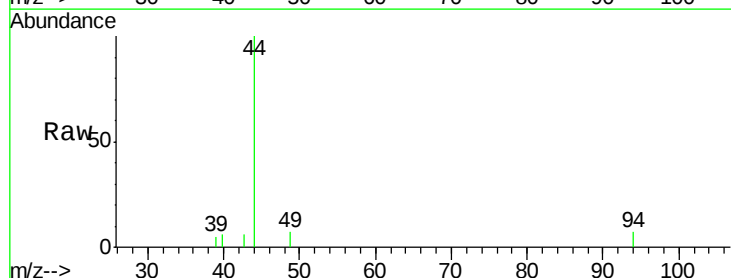
Acq: 28 Jun 2018 22:04

Tgt Ion: 94 Resp: 248

Ion Ratio Lower Upper

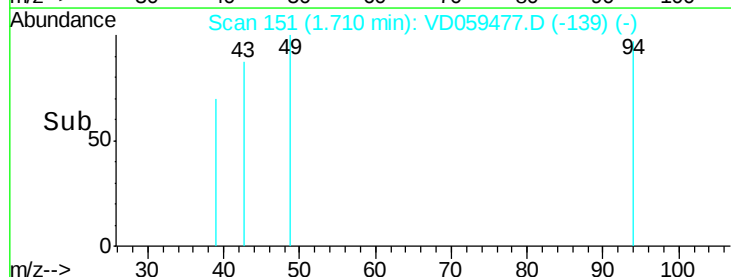
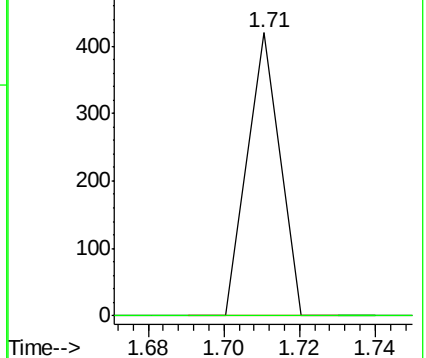
94 100

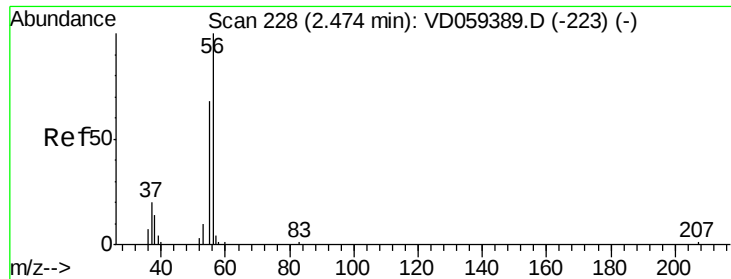
96 0.0 73.4 110.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#13

Acrolein

Concen: 1.120 ug/l

RT: 2.44 min Scan# 225

Delta R.T. -0.04 min

Lab File: VD059477.D

Acq: 28 Jun 2018 22:04

Instrument :

MSVOA_D

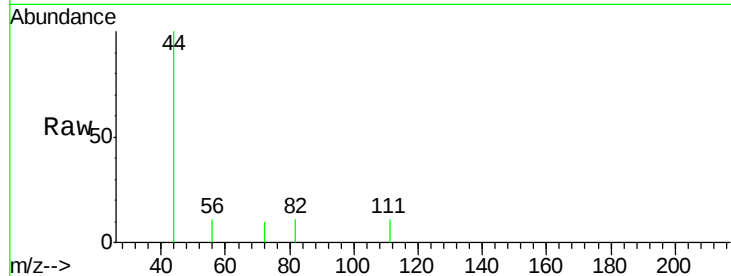
ClientSampled :

Tot Ion: 56 Resp: 188

Ion Ratio Lower Upper

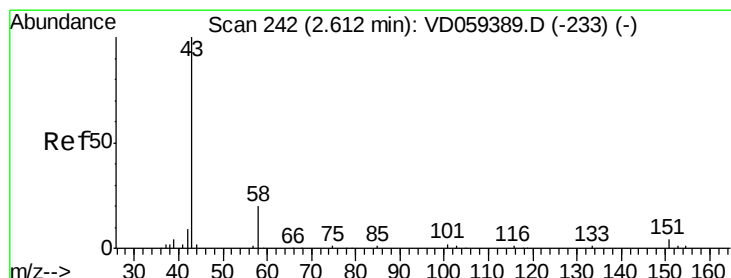
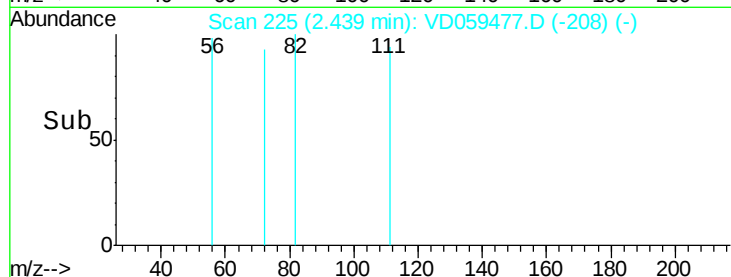
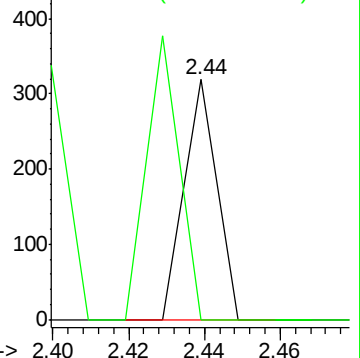
56 100

55 0.0 54.6 82.0#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: 16.457 ug/l

RT: 2.60 min Scan# 241

Delta R.T. -0.02 min

Lab File: VD059477.D

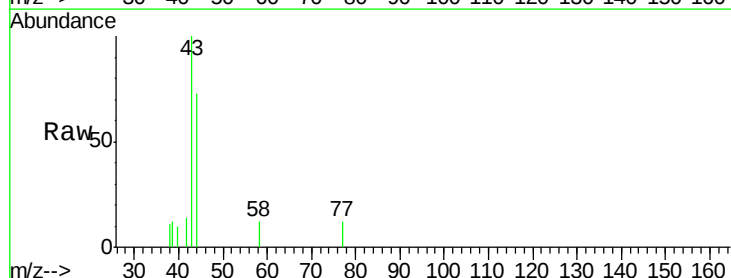
Acq: 28 Jun 2018 22:04

Tgt Ion: 43 Resp: 11273

Ion Ratio Lower Upper

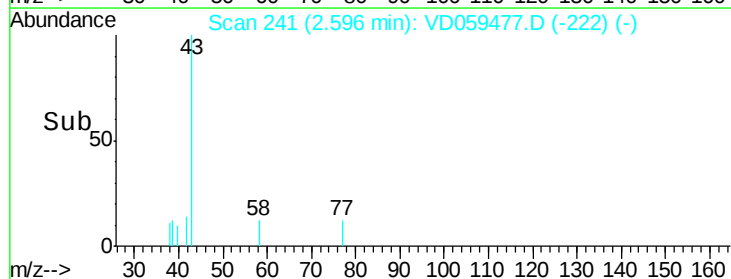
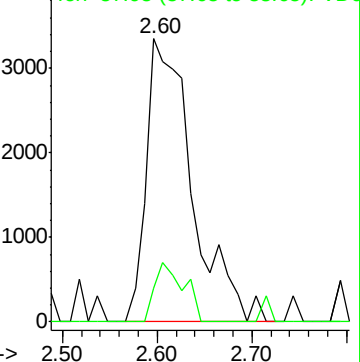
43 100

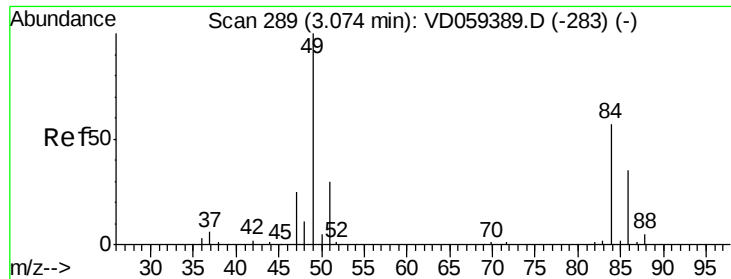
58 11.9 16.8 25.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

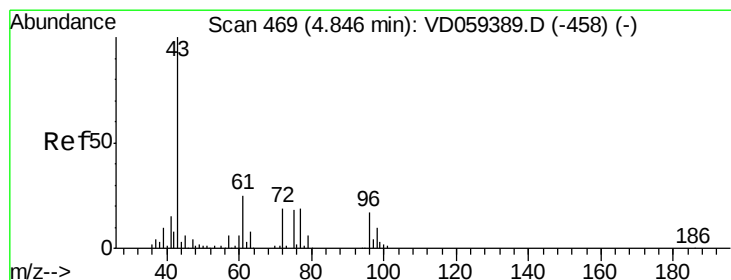
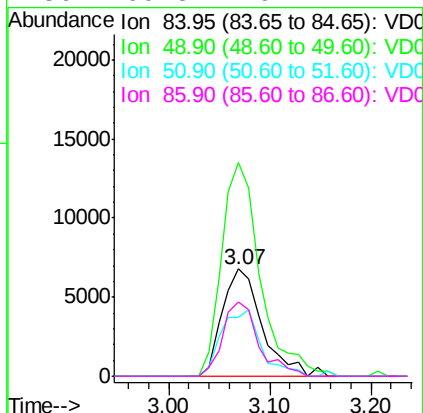
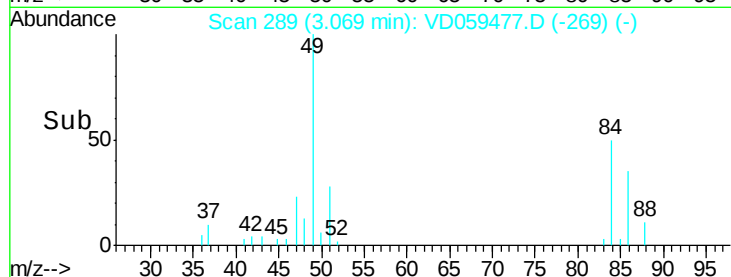
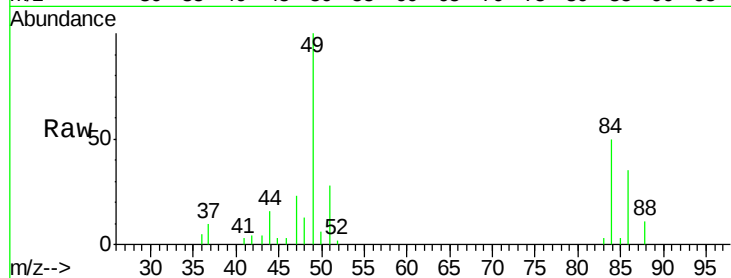




#20
Methvlene Chloride
Concen: 7.728 ug/l
RT: 3.07 min Scan# 289
Delta R.T. -0.01 min
Lab File: VD059477.D
Acq: 28 Jun 2018 22:04

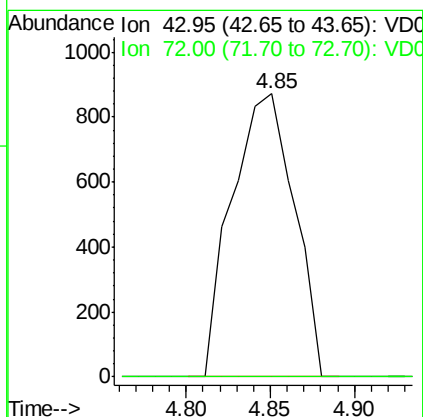
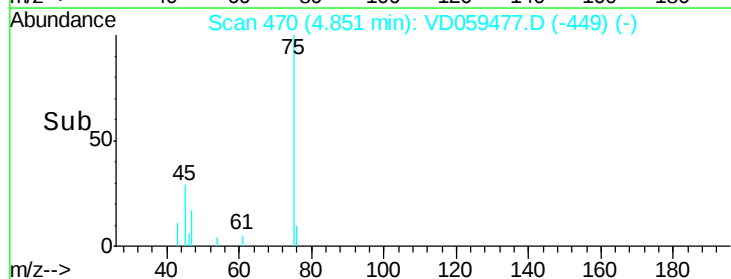
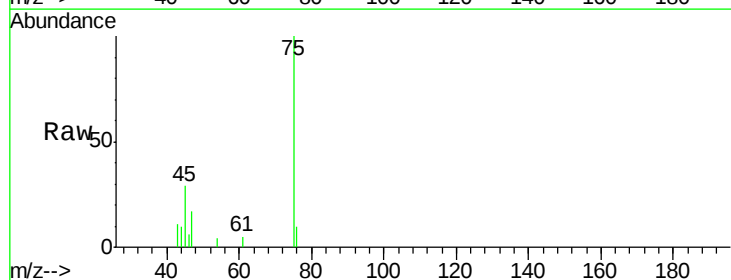
Instrument :
MSVOA_D
ClientSampleId :

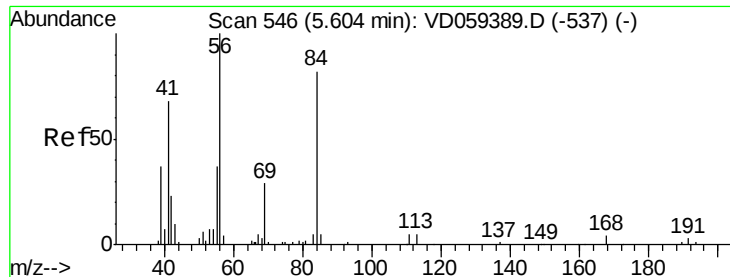
Tot Ion:	84	Resp:	18688
Ion	Ratio	Lower	Upper
84	100		
49	199.5	140.3	210.5
51	55.2	41.6	62.4
86	69.3	49.4	74.2



#25
2-Butanone
Concen: 1.555 ug/l
RT: 4.85 min Scan# 470
Delta R.T. 0.00 min
Lab File: VD059477.D
Acq: 28 Jun 2018 22:04

Tgt Ion:	43	Resp:	2231
Ion	Ratio	Lower	Upper
43	100		
72	0.0	15.4	23.2#

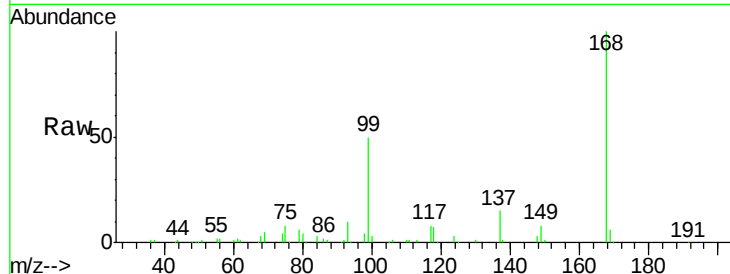




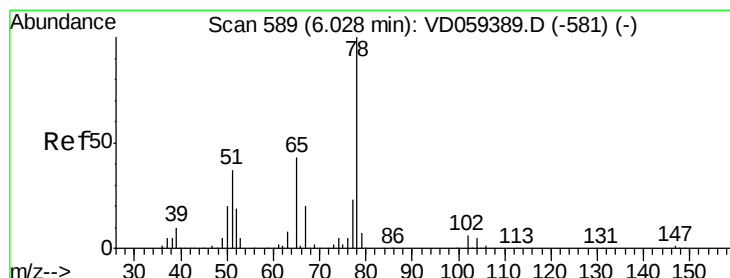
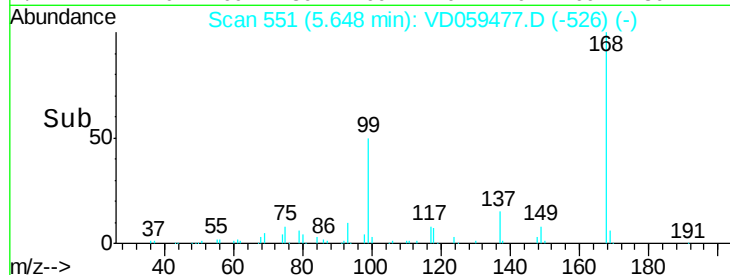
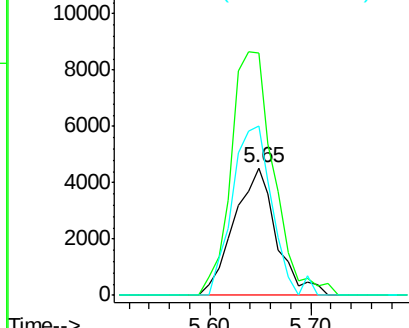
#31
Cyclohexane
Concen: Below Cal
RT: 5.65 min Scan# 551
Delta R.T. 0.04 min
Lab File: VD059477.D
Acq: 28 Jun 2018 22:04

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 13214
Ion Ratio Lower Upper
56 100
69 190.5 22.9 34.3#
84 133.7 67.3 100.9#

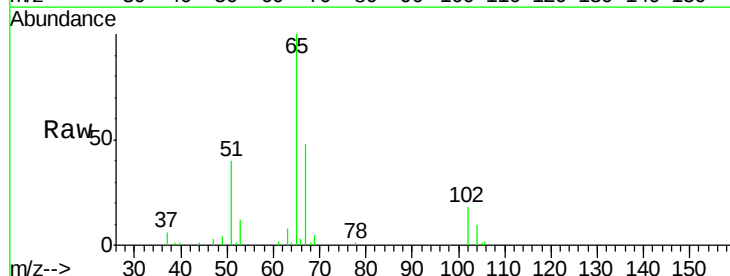


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

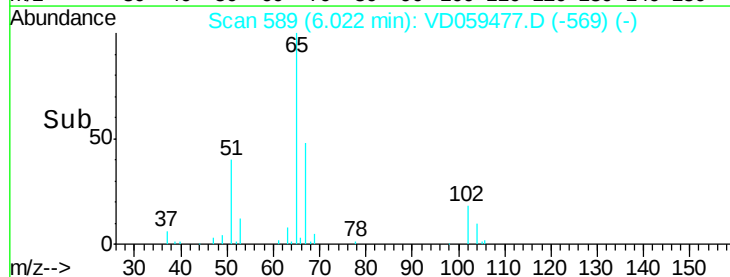
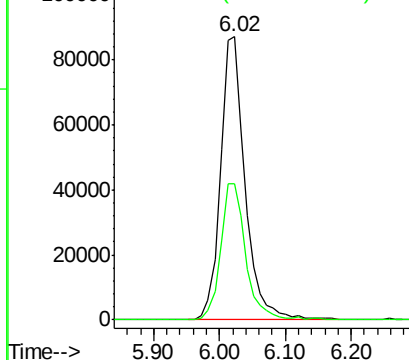


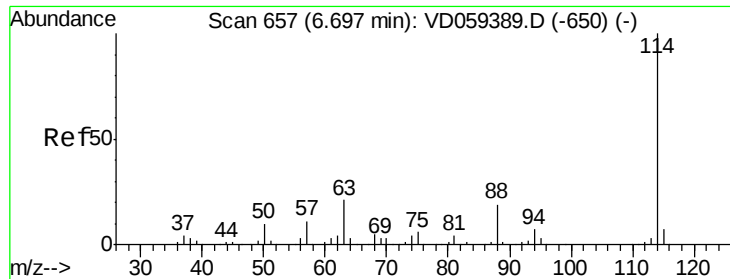
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.02 min Scan# 589
Delta R.T. -0.01 min
Lab File: VD059477.D
Acq: 28 Jun 2018 22:04

Tgt Ion: 65 Resp: 226323
Ion Ratio Lower Upper
65 100
67 48.1 0.0 93.8



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

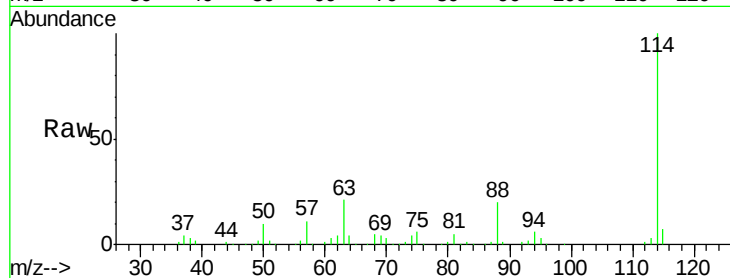




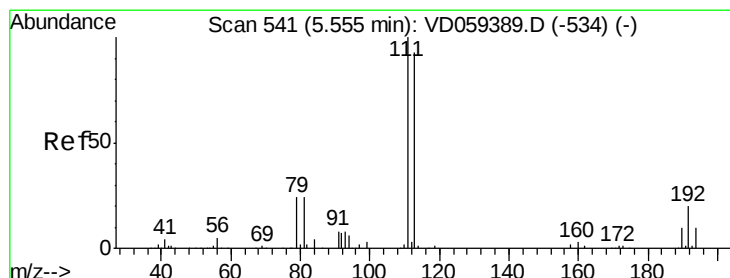
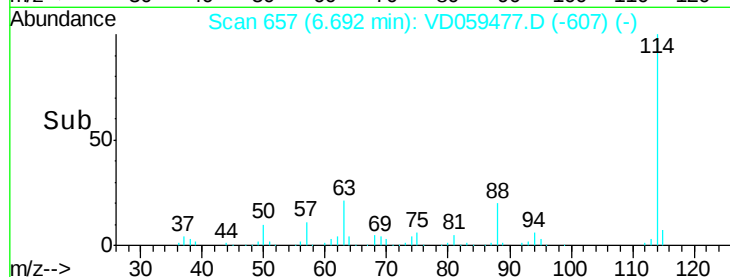
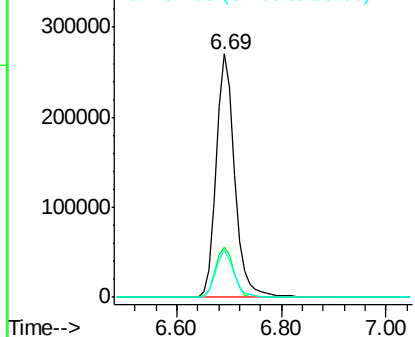
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.69 min Scan# 657
Delta R.T. -0.01 min
Lab File: VD059477.D
Acq: 28 Jun 2018 22:04

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:114 Resp: 670676
Ion Ratio Lower Upper
114 100
63 20.8 0.0 42.4
88 19.5 0.0 38.0

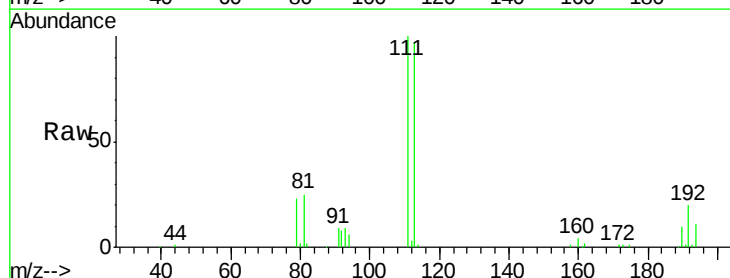


Abundance Ion 114.00 (113.70 to 114.70): V
Ion 62.95 (62.65 to 63.65): V
Ion 87.90 (87.60 to 88.60): V

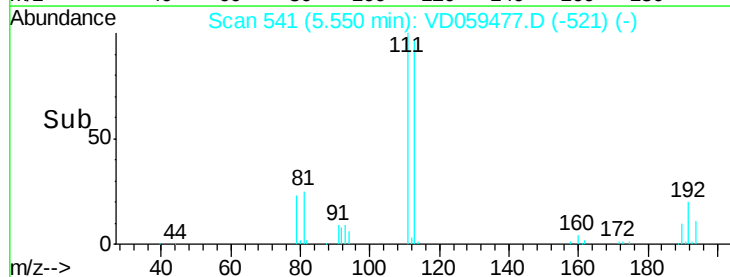
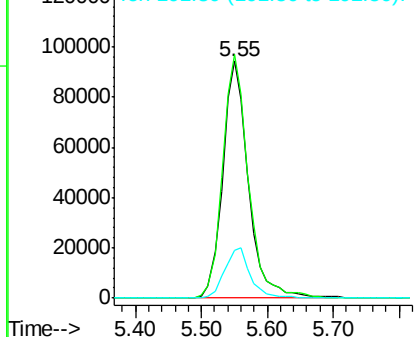


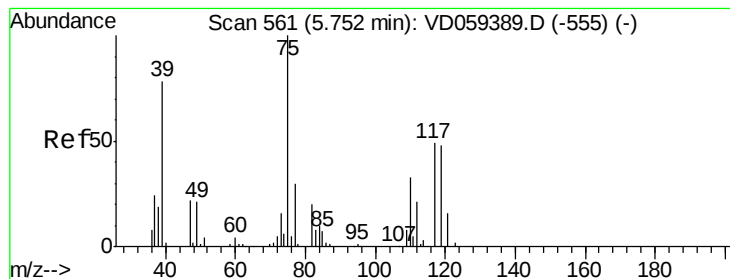
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 5.55 min Scan# 541
Delta R.T. -0.01 min
Lab File: VD059477.D
Acq: 28 Jun 2018 22:04

Tgt Ion:113 Resp: 256125
Ion Ratio Lower Upper
113 100
111 102.8 85.7 128.5
192 20.1 16.9 25.3



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: 7.392 ug/l

RT: 5.64 min Scan# 550

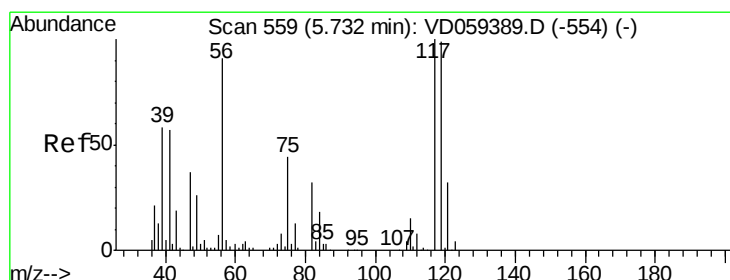
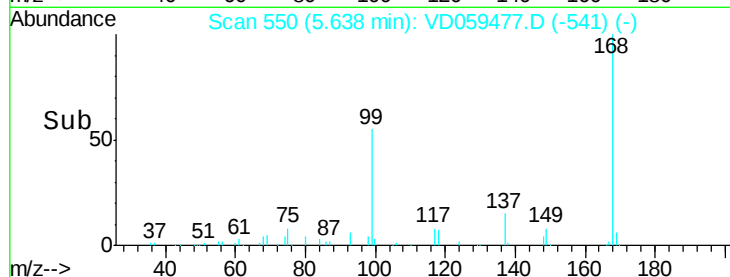
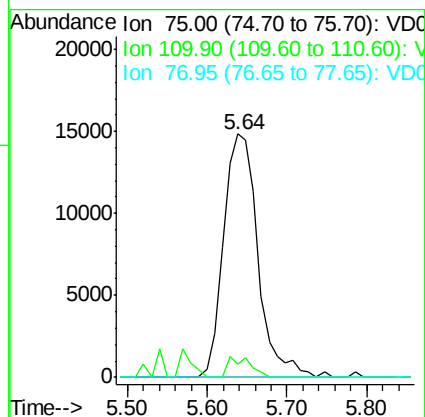
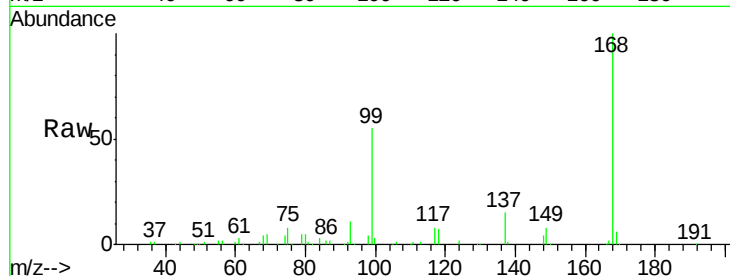
Delta R.T. -0.11 min

Lab File: VD059477.D

Acq: 28 Jun 2018 22:04

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	5.4	16.1	48.2#
77	0.0	23.4	35.2#



#38

Carbon Tetrachloride

Concen: 7.042 ug/l

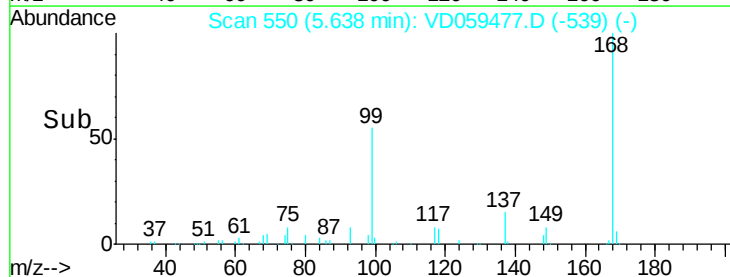
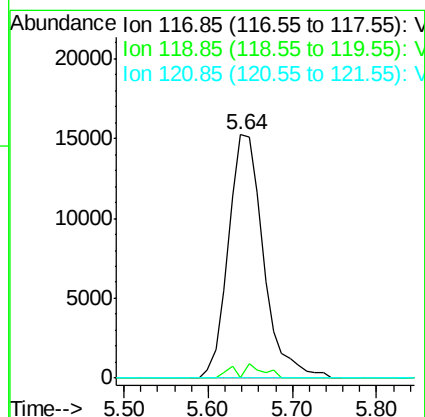
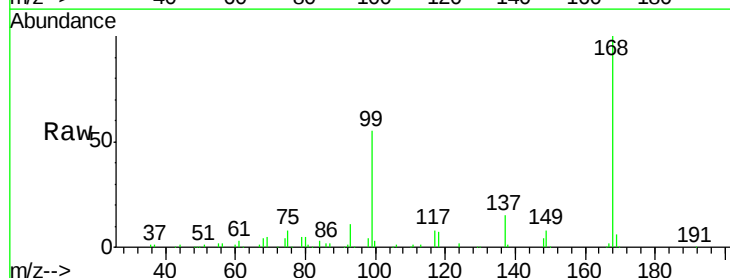
RT: 5.64 min Scan# 550

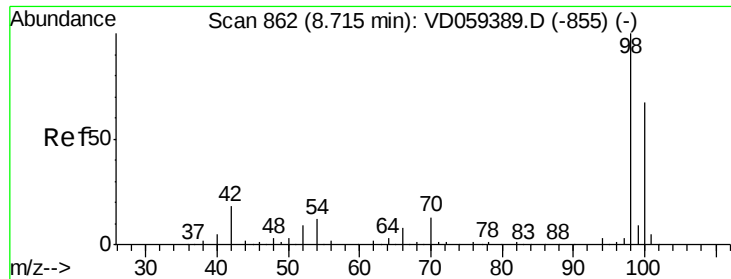
Delta R.T. -0.09 min

Lab File: VD059477.D

Acq: 28 Jun 2018 22:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	0.0	76.6	115.0#
121	0.0	25.0	37.4#





#50

Toluene-d8

Concen: N.D. ug/l

RT: 8.71 min Scan# 862

Delta R.T. -0.01 min

Lab File: VD059477.D

Acq: 28 Jun 2018 22:04

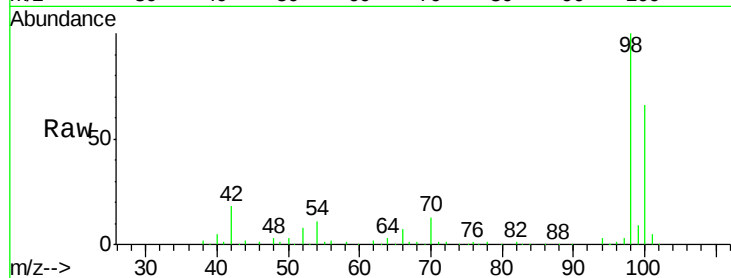
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 98 Resp: 513187

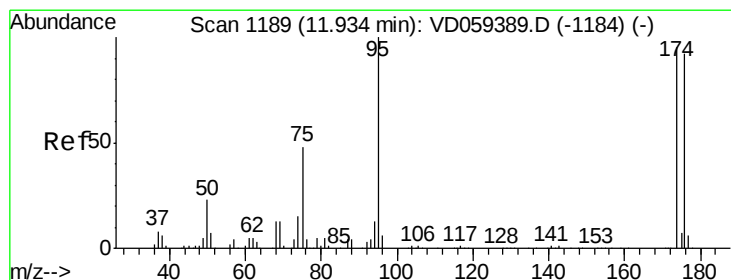
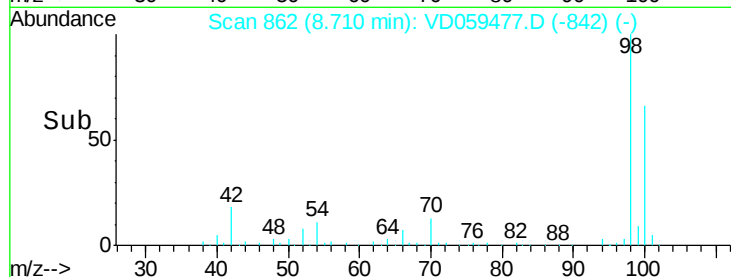
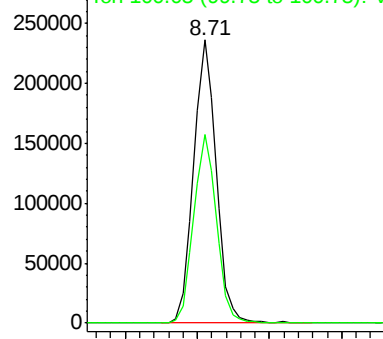
Ion Ratio Lower Upper

98 100

100 66.5 54.4 81.6



Abundance Ion 98.05 (97.75 to 98.75): VD059389.D (-855) (-)



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.93 min Scan# 1189

Delta R.T. -0.01 min

Lab File: VD059477.D

Acq: 28 Jun 2018 22:04

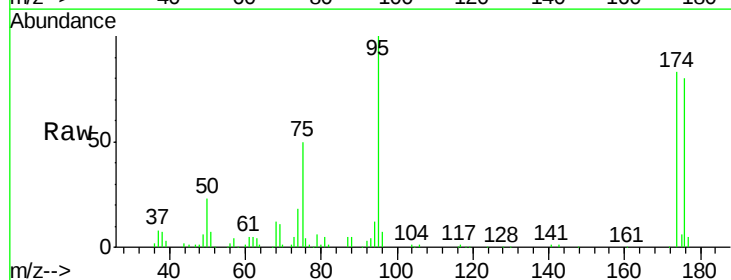
Tgt Ion: 95 Resp: 198662

Ion Ratio Lower Upper

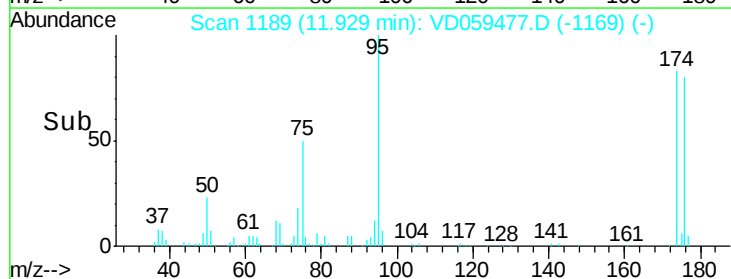
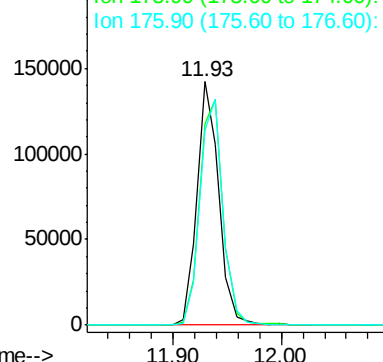
95 100

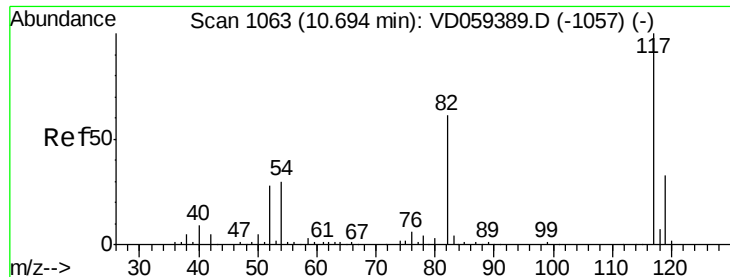
174 82.7 0.0 190.4

176 80.2 0.0 183.2



Abundance Ion 95.00 (94.70 to 95.70): VD059389.D (-1184) (-)

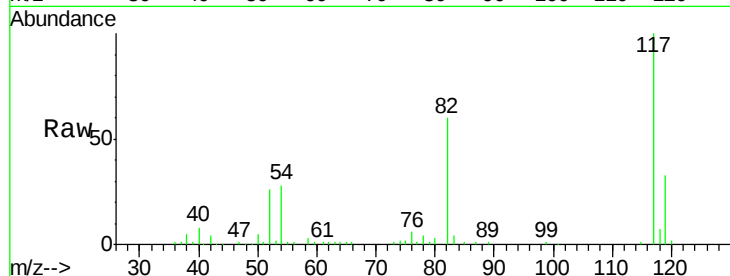




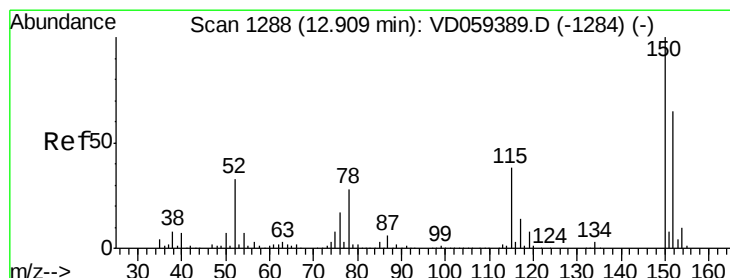
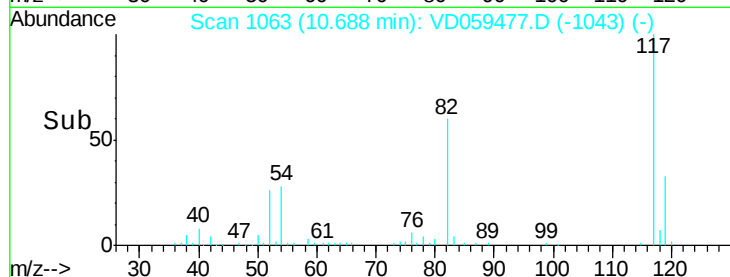
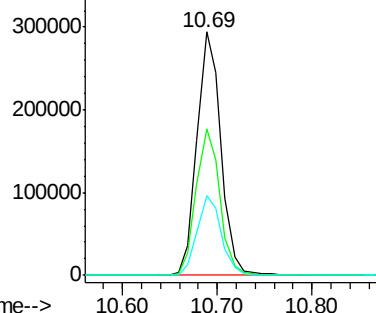
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. -0.01 min
Lab File: VD059477.D
Acq: 28 Jun 2018 22:04

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 516414
Ion Ratio Lower Upper
117 100
82 59.9 49.0 73.6
119 32.9 26.2 39.4

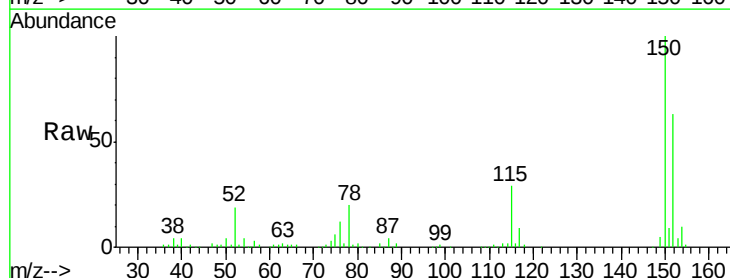


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

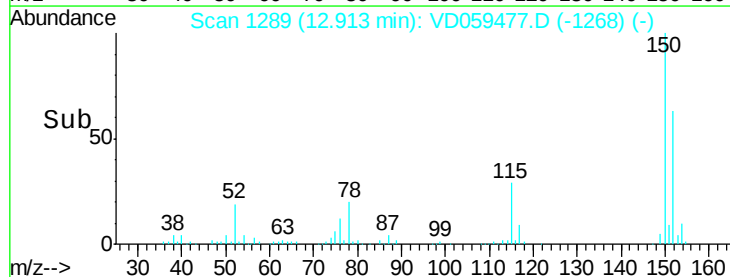
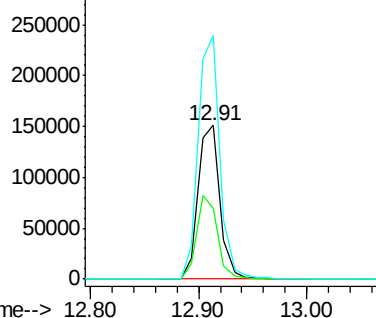


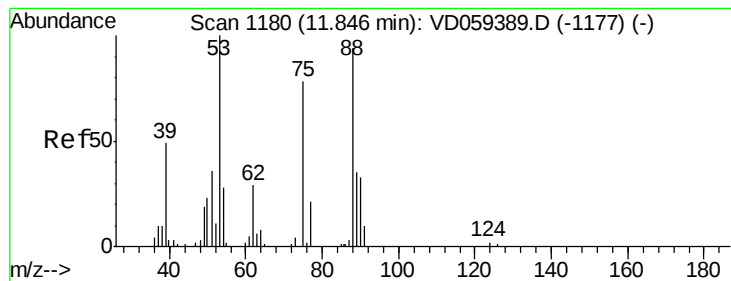
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VD059477.D
Acq: 28 Jun 2018 22:04

Tgt Ion:152 Resp: 214230
Ion Ratio Lower Upper
152 100
115 46.2 29.4 88.3
150 158.7 0.0 308.2



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: 148.017 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.08 min

Lab File: VD059477.D

Acq: 28 Jun 2018 22:04

Instrument :

MSVOA_D

ClientSampleId :

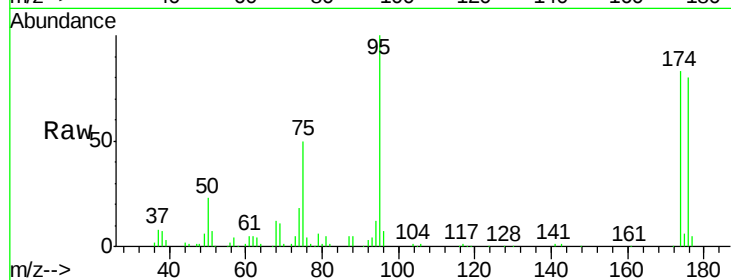
Tot Ion: 75 Resp: 99414

Ion Ratio Lower Upper

75 100

53 0.0 102.6 154.0#

89 0.0 35.9 53.9#



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

