

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062718\
 Data File : VD059453.D
 Acq On : 27 Jun 2018 19:16
 Operator : VA/AP
 Sample : J3629-02RE
 Misc : 6.62g/5ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

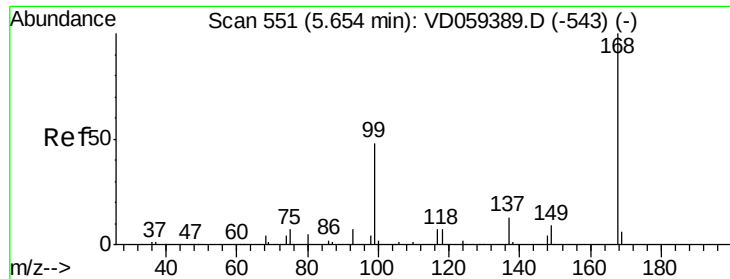
Quant Time: Jun 28 02:59:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 07:29:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	353459	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	474745	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.68	117	425670	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	246735	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	185782	51.40	ug/l	0.00
Spiked Amount			Recovery	=	102.80%	
35) Dibromofluoromethane	5.55	113	169179	43.75	ug/l	0.00
Spiked Amount			Recovery	=	87.50%	
50) Toluene-d8	8.71	98	330354	36.54	ug/l	0.00
Spiked Amount			Recovery	=	73.08%	
62) 4-Bromofluorobenzene	11.93	95	175381	46.64	ug/l	0.00
Spiked Amount			Recovery	=	93.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.78	94	178	Below Cal	#	4
6) Chloroethane	1.74	64	217	2.156	ug/l #	41
13) Acrolein	2.60	56	240	2.147	ug/l #	16
16) Acetone	2.61	43	95709	209.797	ug/l #	90
18) Methyl Acetate	2.93	43	627	Below Cal	#	66
20) Methylene Chloride	3.07	84	17531	11.958	ug/l #	79
25) 2-Butanone	4.84	43	16152	16.902	ug/l	92
29) Tetrahydrofuran	5.21	42	646	1.236	ug/l #	37
31) Cyclohexane	5.63	56	8190	Below Cal	#	1
36) 1,1-Dichloropropene	5.64	75	27785	6.452	ug/l #	48
38) Carbon Tetrachloride	5.64	117	28174	6.345	ug/l #	16
49) 1,4-Dioxane	7.47	88	210	10.435	ug/l #	12
81) trans-1,4-Dichloro-2-buten	11.92	75	84908	109.765	ug/l #	1

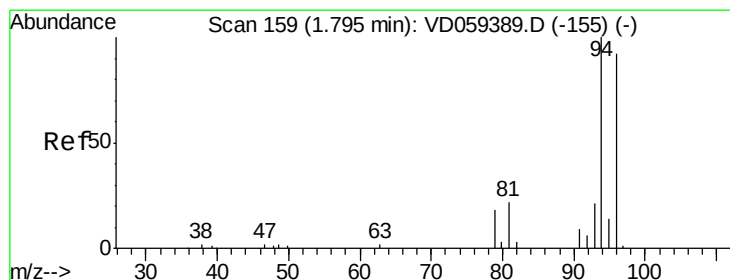
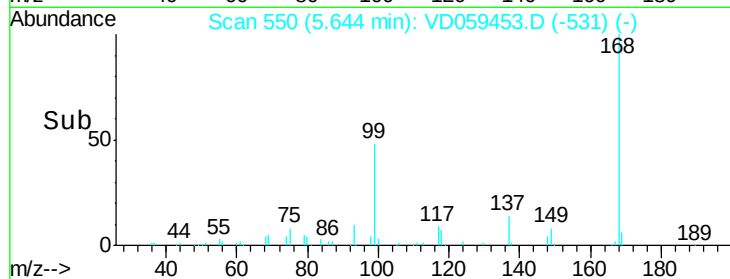
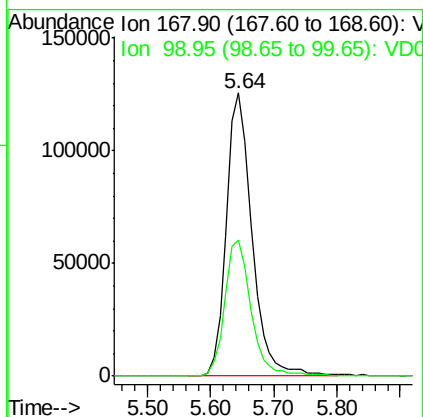
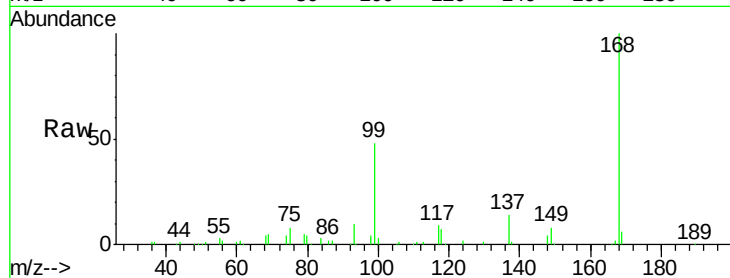
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.64 min Scan# 550
Delta R.T. -0.01 min
Lab File: VD059453.D
Acq: 27 Jun 2018 19:16

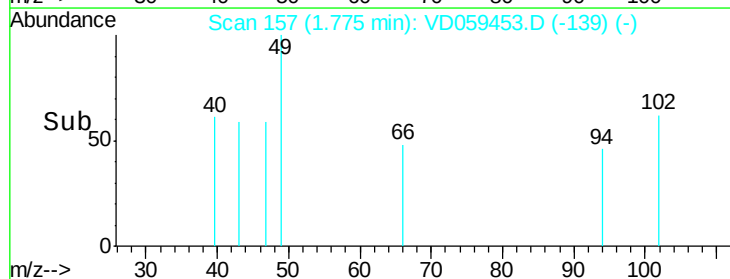
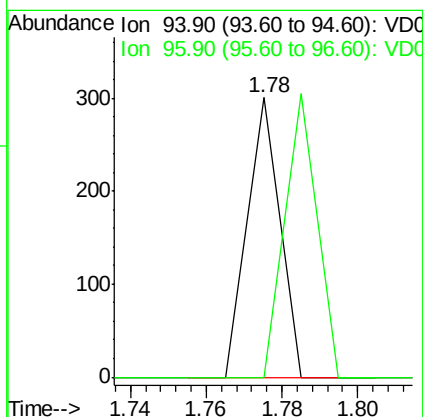
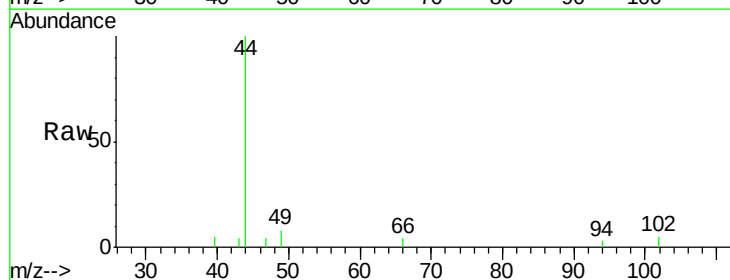
Instrument :
MSVOA_D
ClientSampleID :

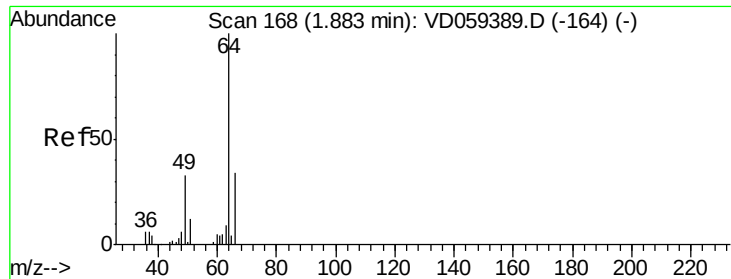
Tot Ion:168 Resp: 353459
Ion Ratio Lower Upper
168 100
99 48.1 41.0 61.6



#5
Bromomethane
Concen: Below Cal
RT: 1.78 min Scan# 157
Delta R.T. -0.02 min
Lab File: VD059453.D
Acq: 27 Jun 2018 19:16

Tgt Ion: 94 Resp: 178
Ion Ratio Lower Upper
94 100
96 0.0 73.4 110.0#





#6

Chloroethane

Concen: 2.156 ug/l

RT: 1.74 min Scan# 153

Delta R.T. -0.15 min

Lab File: VD059453.D

Acq: 27 Jun 2018 19:16

Instrument :

MSVOA_D

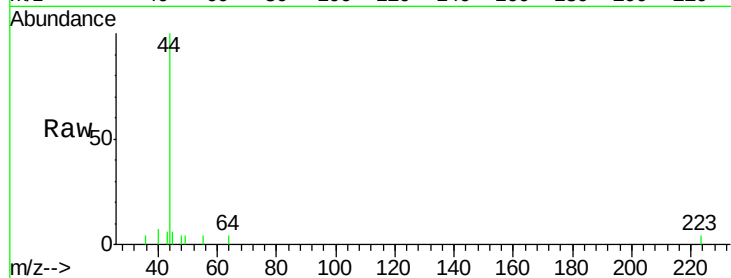
ClientSampleId :

Tot Ion: 64 Resp: 217

Ion Ratio Lower Upper

64 100

66 0.0 27.1 40.7#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

1.74

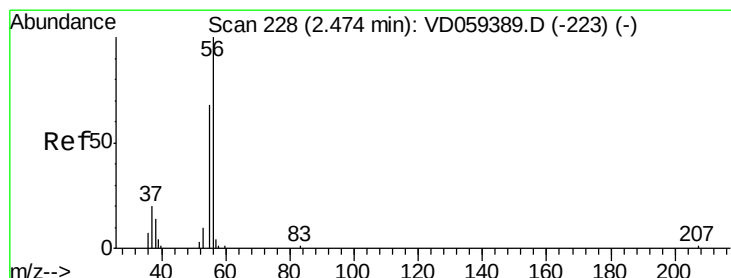
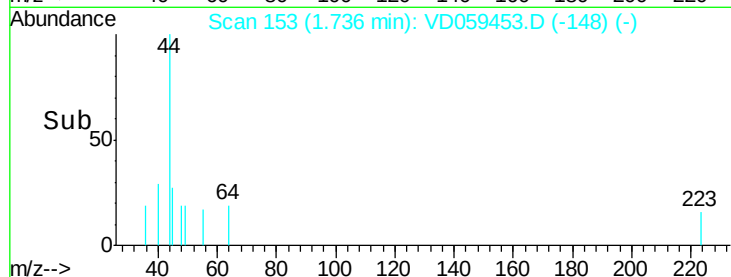
300

200

100

0

Time--> 1.70 1.72 1.74 1.76



#13

Acrolein

Concen: 2.147 ug/l

RT: 2.60 min Scan# 241

Delta R.T. 0.13 min

Lab File: VD059453.D

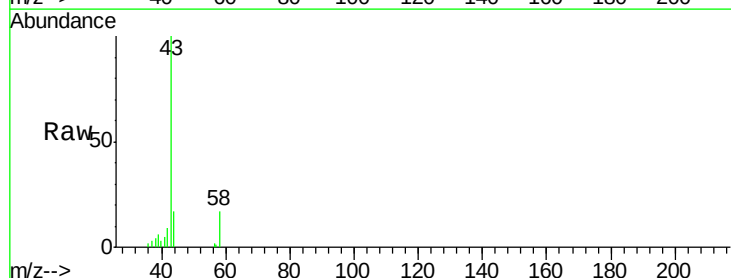
Acq: 27 Jun 2018 19:16

Tgt Ion: 56 Resp: 240

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

2.60

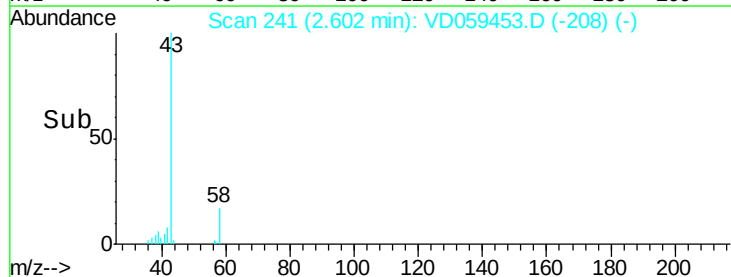
300

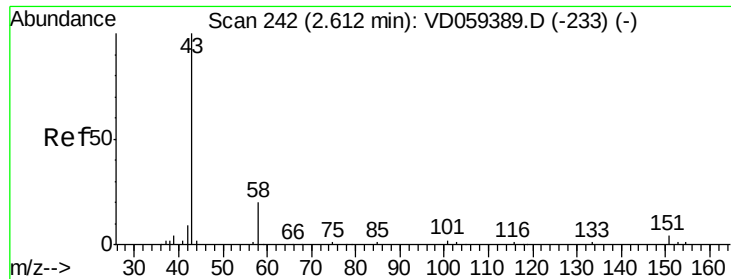
200

100

0

Time--> 2.58 2.60 2.62

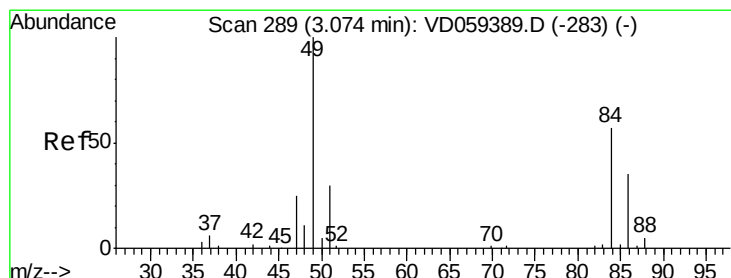
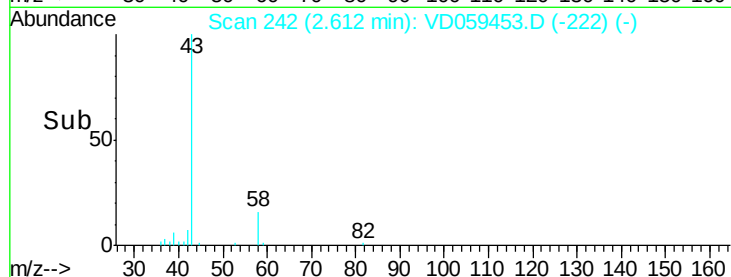
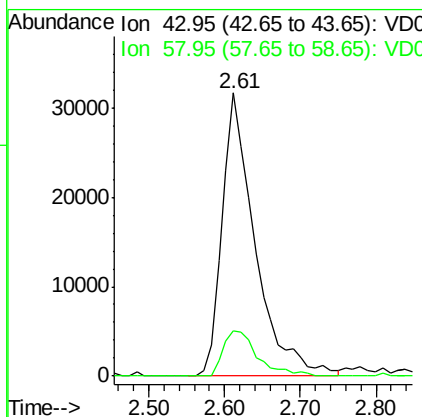
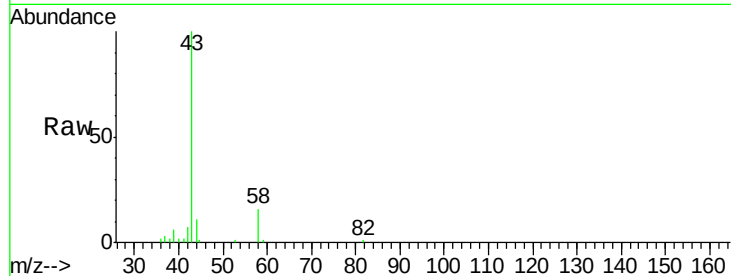




#16
Acetone
Concen: 209.797 ug/l
RT: 2.61 min Scan# 242
Delta R.T. 0.00 min
Lab File: VD059453.D
Acq: 27 Jun 2018 19:16

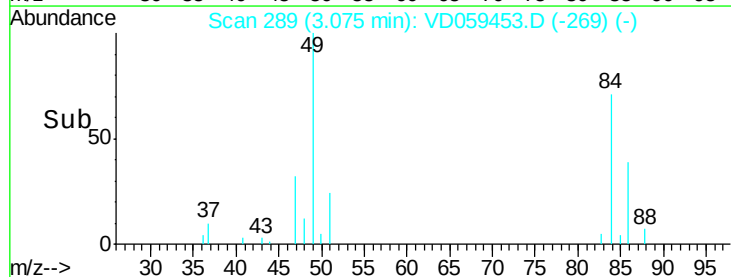
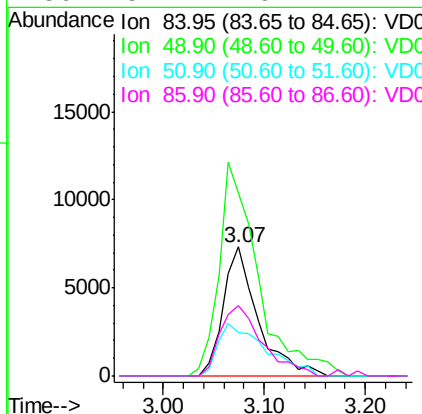
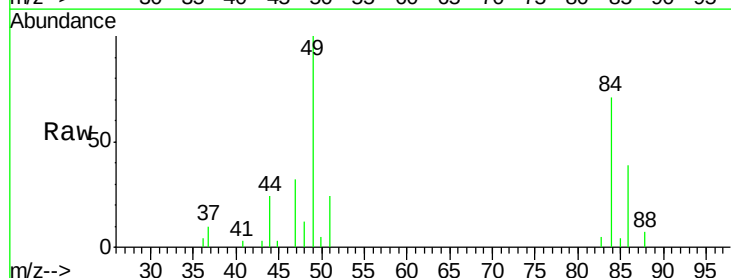
Instrument :
MSVOA_D
ClientSampleId :

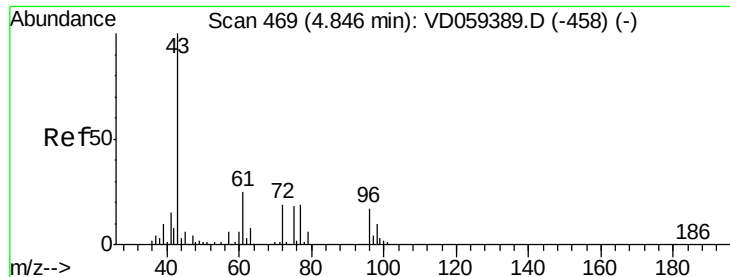
Tot Ion: 43 Resp: 95709
Ion Ratio Lower Upper
43 100
58 16.1 16.8 25.2#



#20
Methylene Chloride
Concen: 11.958 ug/l
RT: 3.07 min Scan# 289
Delta R.T. 0.00 min
Lab File: VD059453.D
Acq: 27 Jun 2018 19:16

Tgt Ion: 84 Resp: 17531
Ion Ratio Lower Upper
84 100
49 141.6 140.3 210.5
51 33.7 41.6 62.4#
86 54.7 49.4 74.2





#25

2-Butanone

Concen: 16.902 ug/l

RT: 4.84 min Scan# 468

Delta R.T. -0.01 min

Lab File: VD059453.D

Acq: 27 Jun 2018 19:16

Instrument :

MSVOA_D

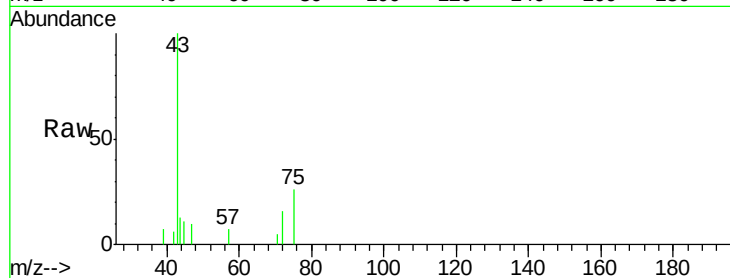
ClientSampleId :

Tot Ion: 43 Resp: 16152

Ion Ratio Lower Upper

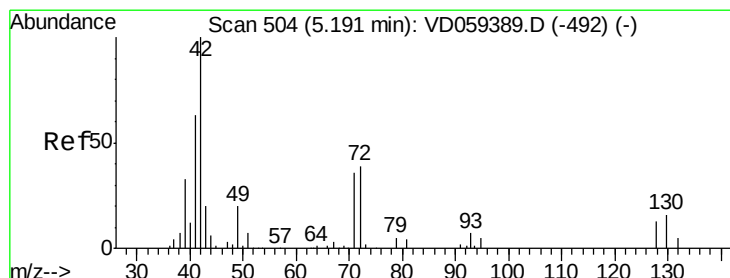
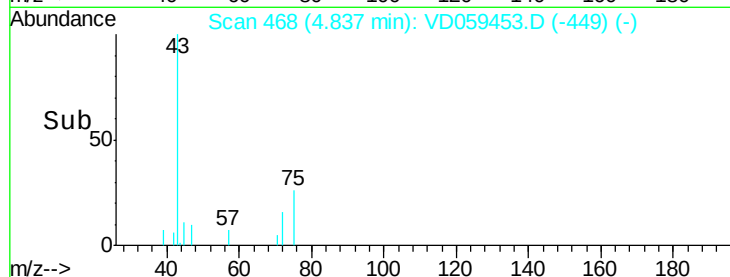
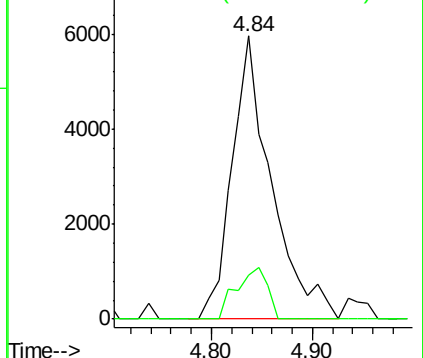
43 100

72 15.8 15.4 23.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 1.236 ug/l

RT: 5.21 min Scan# 506

Delta R.T. 0.02 min

Lab File: VD059453.D

Acq: 27 Jun 2018 19:16

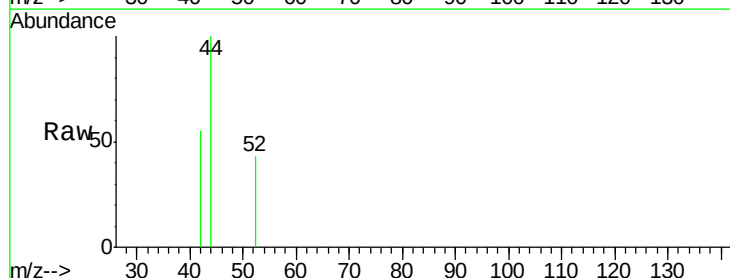
Tgt Ion: 42 Resp: 646

Ion Ratio Lower Upper

42 100

72 0.0 31.4 47.2#

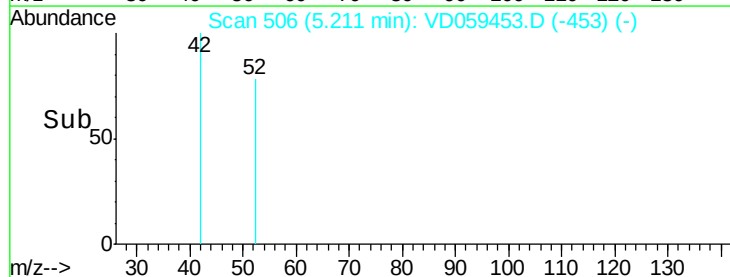
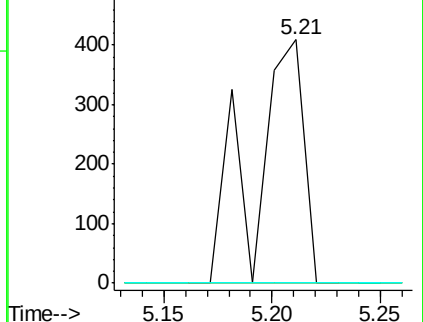
71 0.0 29.7 44.5#

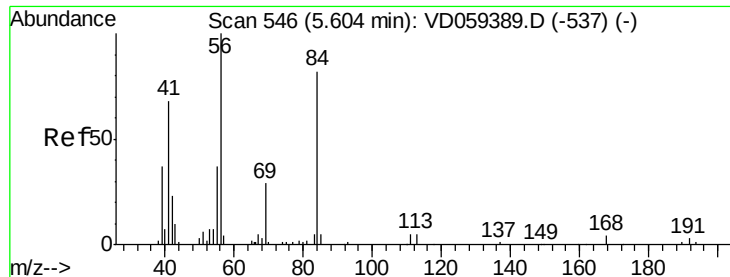


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

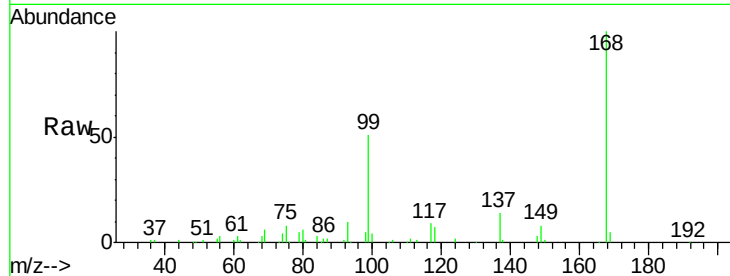




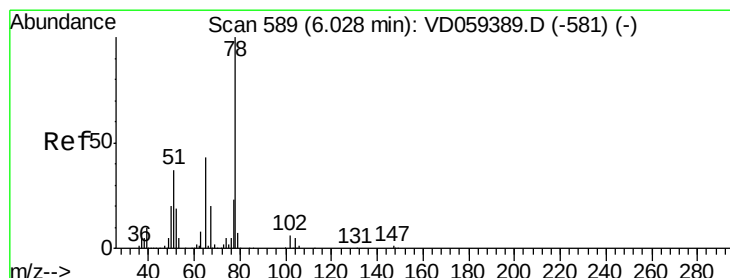
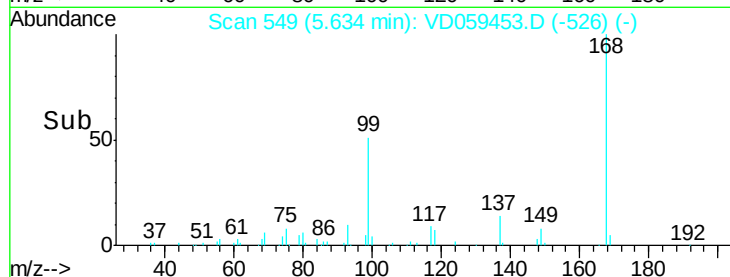
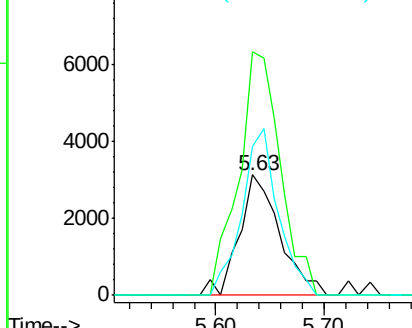
#31
Cyclohexane
Concen: Below Cal
RT: 5.63 min Scan# 549
Delta R.T. 0.03 min
Lab File: VD059453.D
Acq: 27 Jun 2018 19:16

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 8190
Ion Ratio Lower Upper
56 100
69 201.8 22.9 34.3#
84 123.4 67.3 100.9#

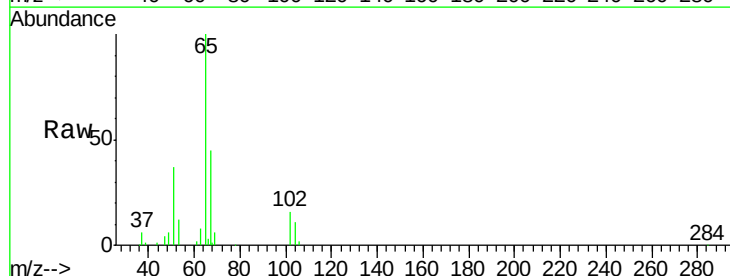


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

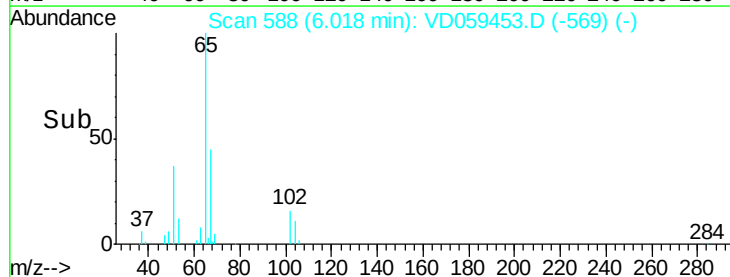
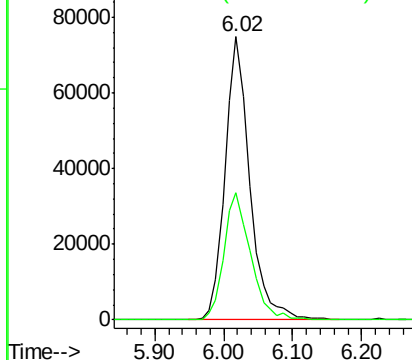


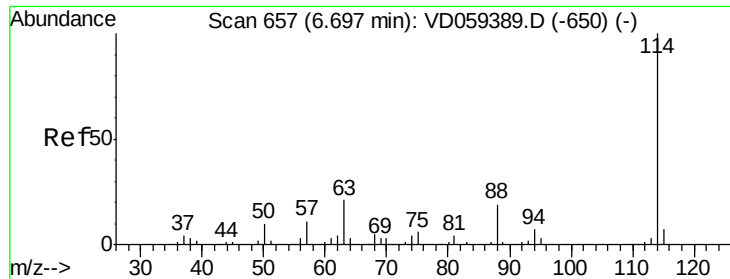
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.02 min Scan# 588
Delta R.T. -0.01 min
Lab File: VD059453.D
Acq: 27 Jun 2018 19:16

Tgt Ion: 65 Resp: 185782
Ion Ratio Lower Upper
65 100
67 45.0 0.0 93.8



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

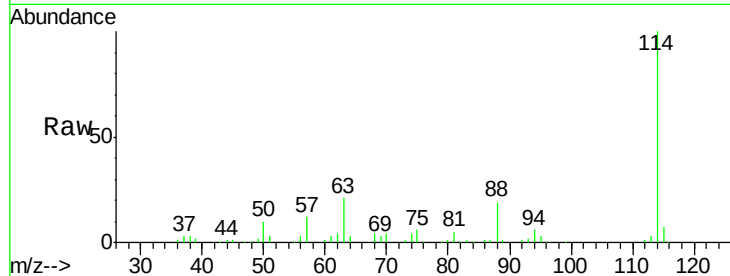




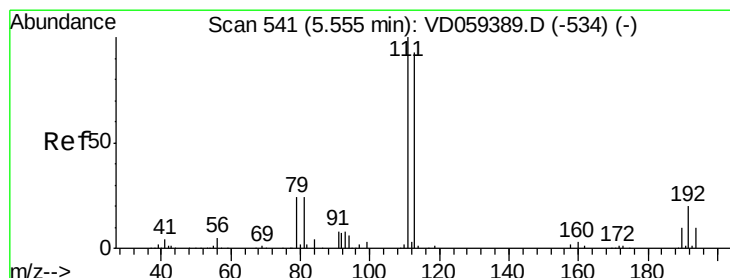
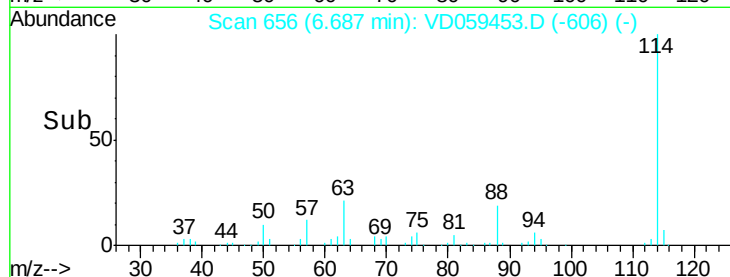
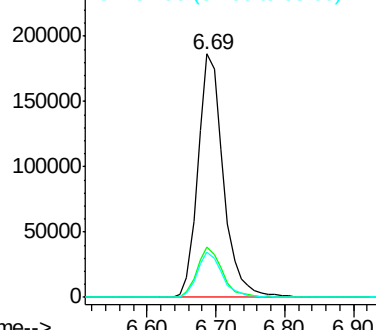
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.69 min Scan# 656
Delta R.T. -0.01 min
Lab File: VD059453.D
Acq: 27 Jun 2018 19:16

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:114 Resp: 474745
Ion Ratio Lower Upper
114 100
63 20.9 0.0 42.4
88 18.6 0.0 38.0

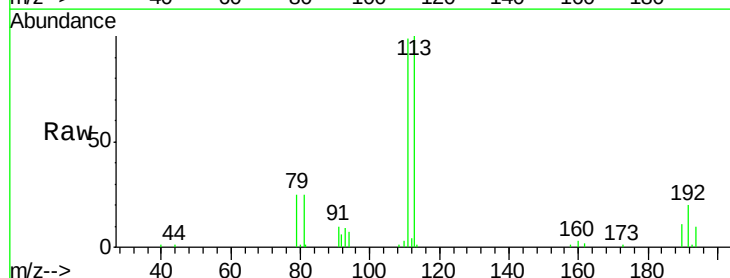


Abundance Ion 114.00 (113.70 to 114.70): V
Ion 62.95 (62.65 to 63.65): V
Ion 87.90 (87.60 to 88.60): V

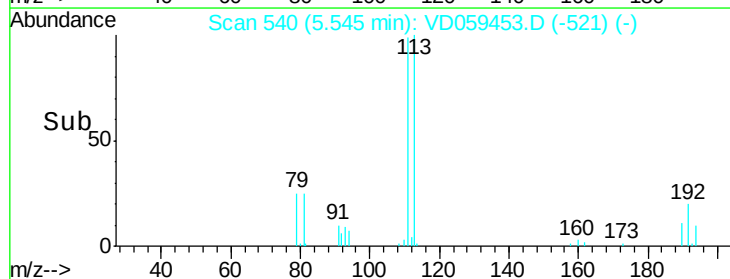
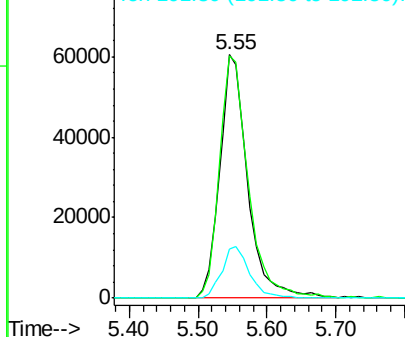


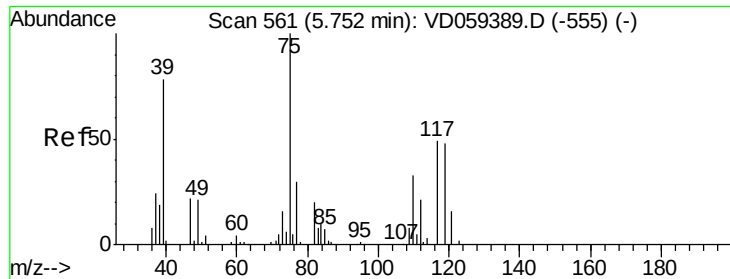
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 5.55 min Scan# 540
Delta R.T. -0.01 min
Lab File: VD059453.D
Acq: 27 Jun 2018 19:16

Tgt Ion:113 Resp: 169179
Ion Ratio Lower Upper
113 100
111 99.5 85.7 128.5
192 20.3 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

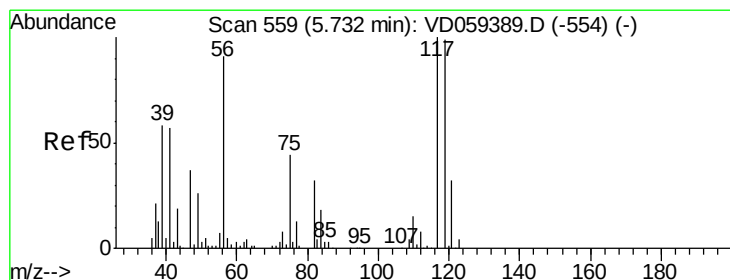
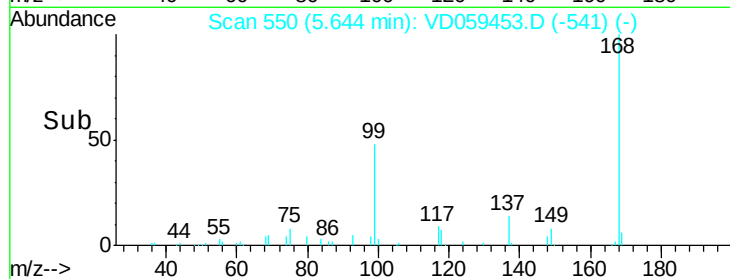
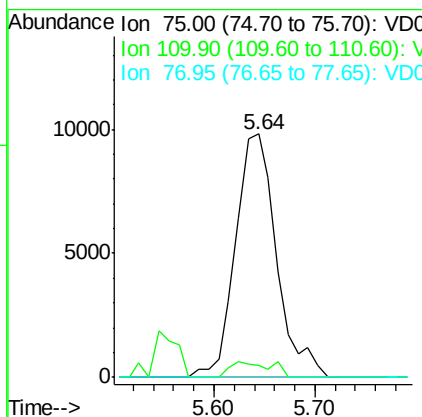
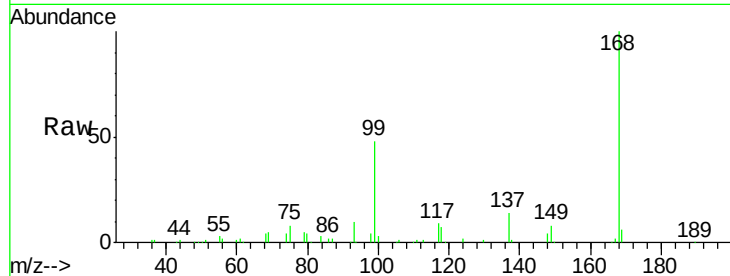




#36
 1,1-Dichloropropene
 Concen: 6.452 ug/l
 RT: 5.64 min Scan# 550
 Delta R.T. -0.11 min
 Lab File: VD059453.D
 Acq: 27 Jun 2018 19:16

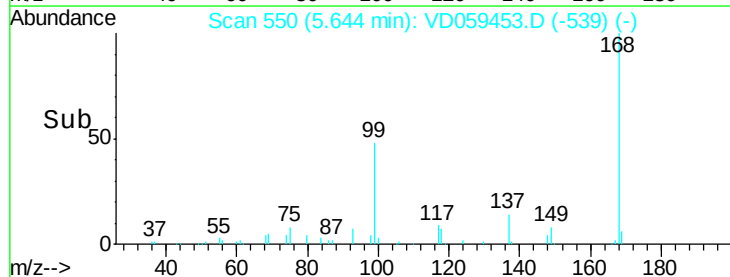
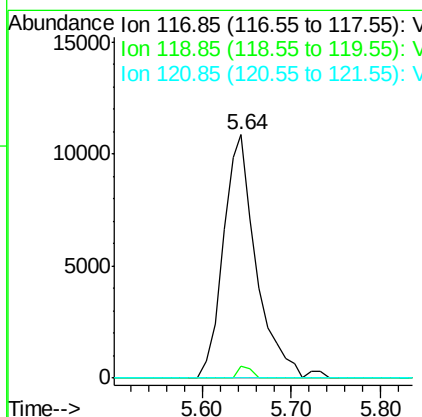
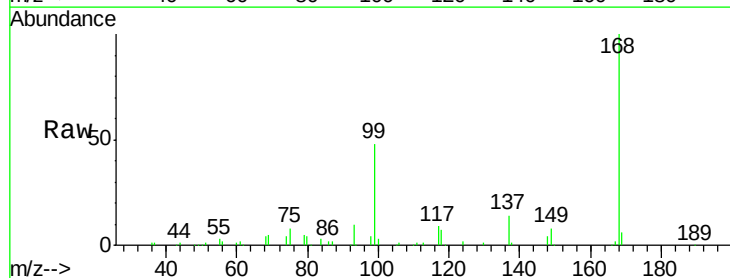
Instrument :
 MSVOA_D
 ClientSampleId :

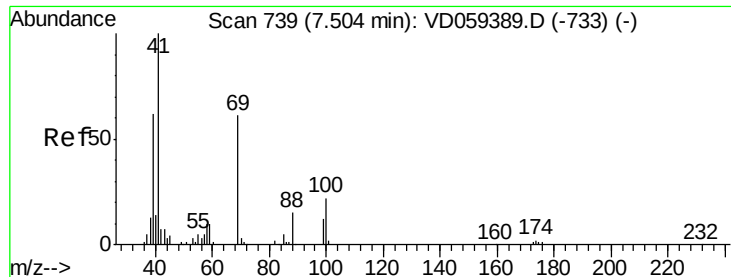
Tot Ion	Ratio	Lower	Upper
75	100		
110	4.9	16.1	48.2#
77	0.0	23.4	35.2#



#38
 Carbon Tetrachloride
 Concen: 6.345 ug/l
 RT: 5.64 min Scan# 550
 Delta R.T. -0.09 min
 Lab File: VD059453.D
 Acq: 27 Jun 2018 19:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.0	76.6	115.0#
121	0.0	25.0	37.4#





#49

1,4-Dioxane

Concen: 10.435 ug/l

RT: 7.47 min Scan# 736

Delta R.T. -0.03 min

Lab File: VD059453.D

Acq: 27 Jun 2018 19:16

Instrument :

MSVOA_D

ClientSampleId :

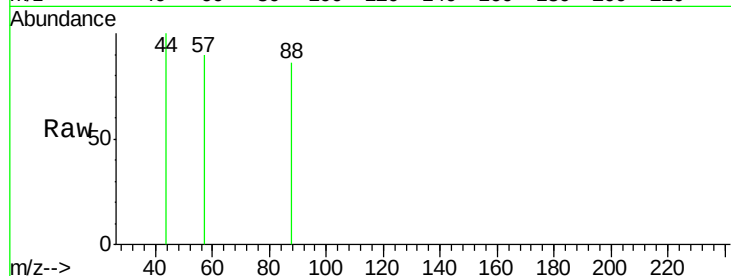
Tot Ion: 88 Resp: 210

Ion Ratio Lower Upper

88 100

43 116.6 41.0 61.4#

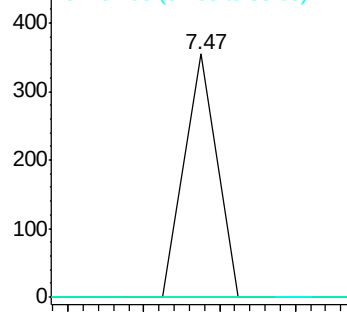
58 0.0 53.4 80.0#



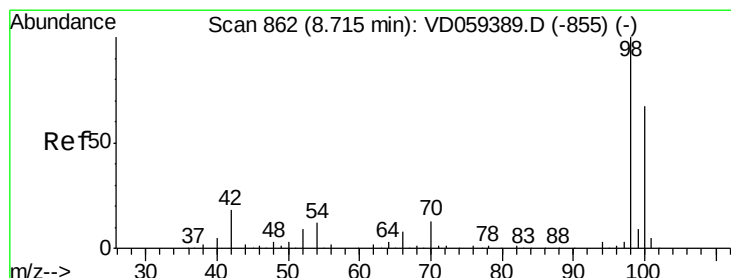
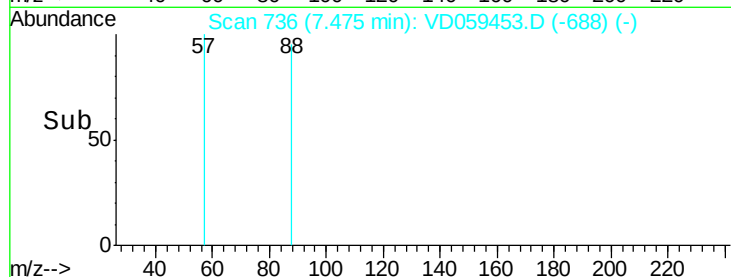
Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



Time-->



#50

Toluene-d8

Concen: 10.435 ug/l

RT: 8.71 min Scan# 861

Delta R.T. -0.01 min

Lab File: VD059453.D

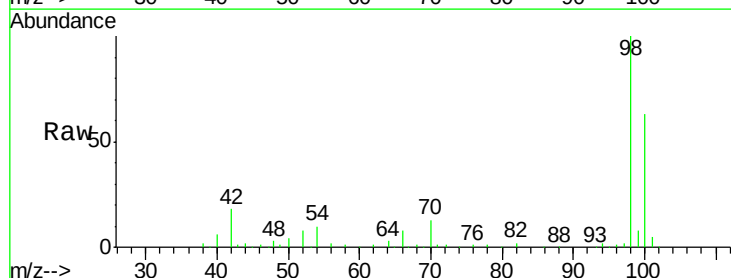
Acq: 27 Jun 2018 19:16

Tgt Ion: 98 Resp: 330354

Ion Ratio Lower Upper

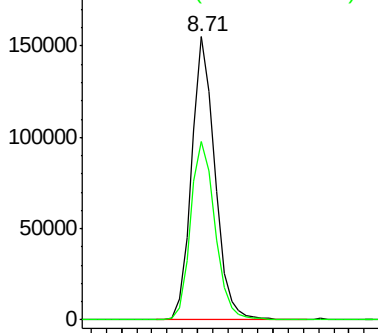
98 100

100 63.2 54.4 81.6

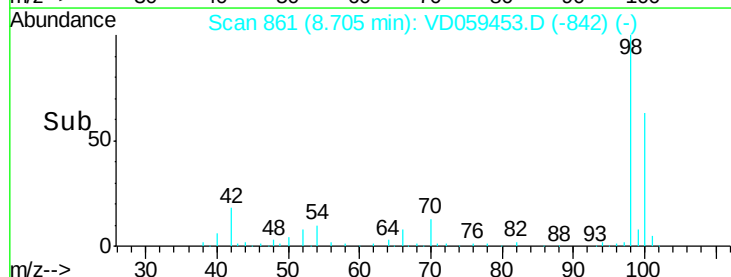


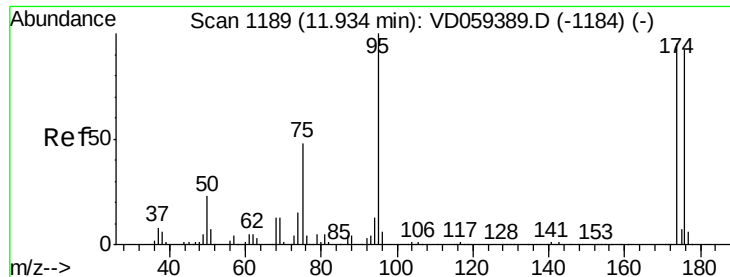
Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



Time-->

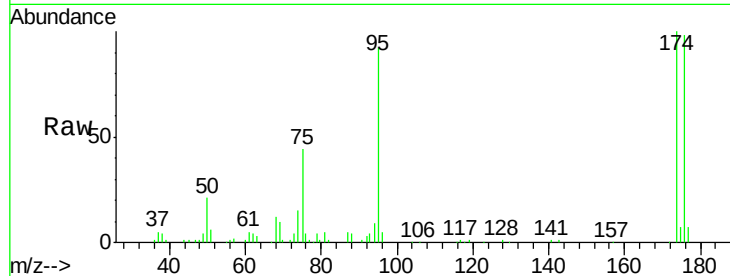




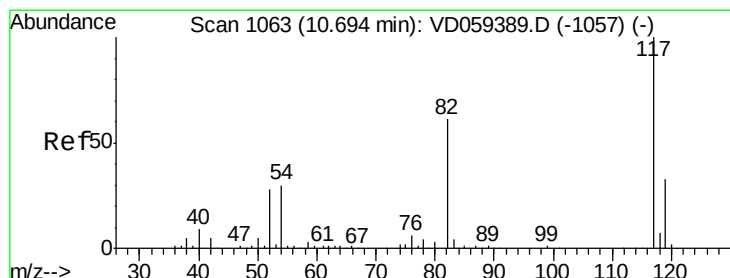
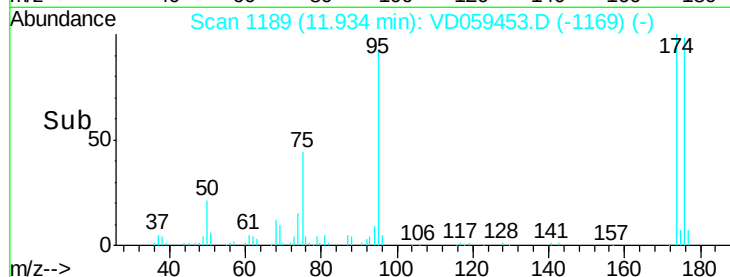
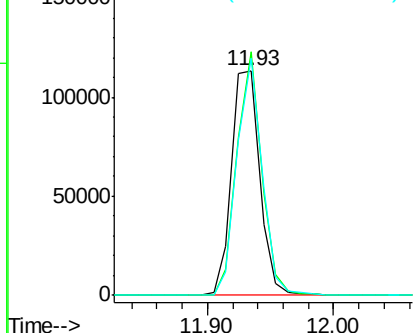
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.93 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VD059453.D
Acq: 27 Jun 2018 19:16

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 95 Resp: 175381
Ion Ratio Lower Upper
95 100
174 108.4 0.0 190.4
176 105.9 0.0 183.2

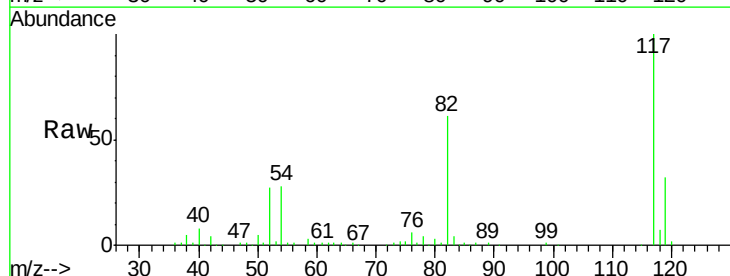


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

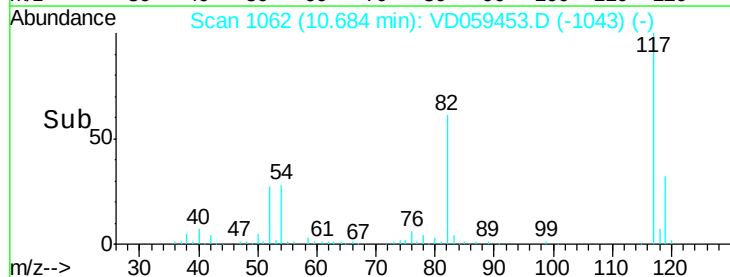
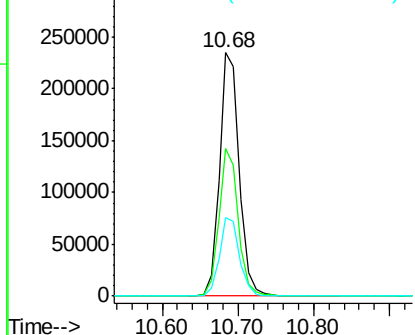


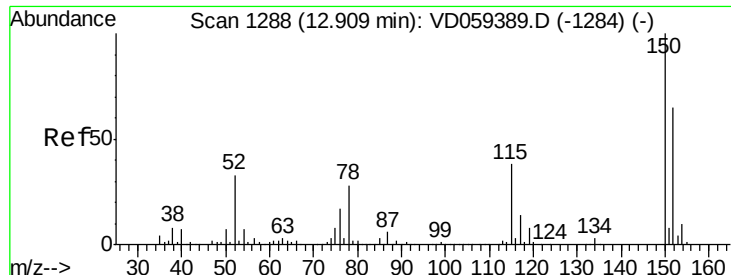
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.01 min
Lab File: VD059453.D
Acq: 27 Jun 2018 19:16

Tgt Ion: 117 Resp: 425670
Ion Ratio Lower Upper
117 100
82 60.7 49.0 73.6
119 32.3 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# 1288

Delta R.T. 0.00 min

Lab File: VD059453.D

Acq: 27 Jun 2018 19:16

Instrument :

MSVOA_D

ClientSampleId :

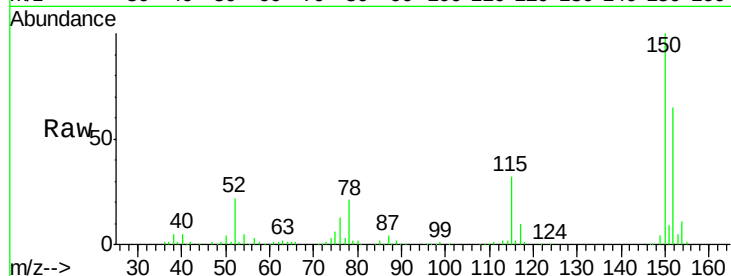
Tot Ion:152 Resp: 246735

Ion Ratio Lower Upper

152 100

115 49.9 29.4 88.3

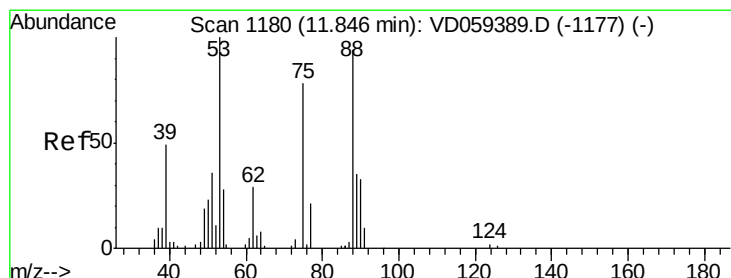
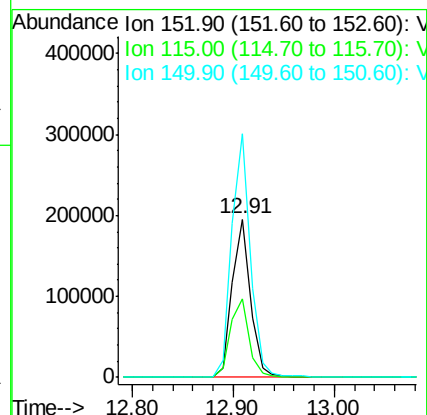
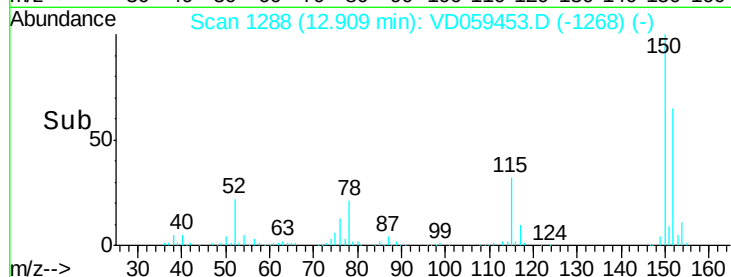
150 154.0 0.0 308.2



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: 109.765 ug/l

RT: 11.92 min Scan# 1188

Delta R.T. 0.08 min

Lab File: VD059453.D

Acq: 27 Jun 2018 19:16

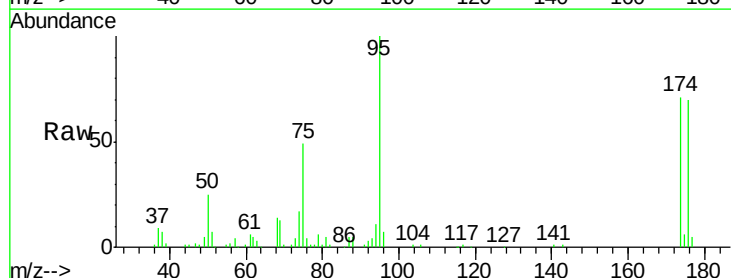
Tgt Ion: 75 Resp: 84908

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

