

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062718\
 Data File : VD059450.D
 Acq On : 27 Jun 2018 17:51
 Operator : VA/AP
 Sample : J3614-01RE
 Misc : 10.36g/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 28 02:59:09 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	622962	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	829277	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	609678	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	237166	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	246694	38.72	ug/l	0.00
Spiked Amount			Recovery	=	77.44%	
35) Dibromofluoromethane	5.55	113	254486	37.68	ug/l	0.00
Spiked Amount			Recovery	=	75.36%	
50) Toluene-d8	8.70	98	509805	32.28	ug/l	-0.01
Spiked Amount			Recovery	=	64.56%	
62) 4-Bromofluorobenzene	11.93	95	192376	29.29	ug/l	0.00
Spiked Amount			Recovery	=	58.58%	

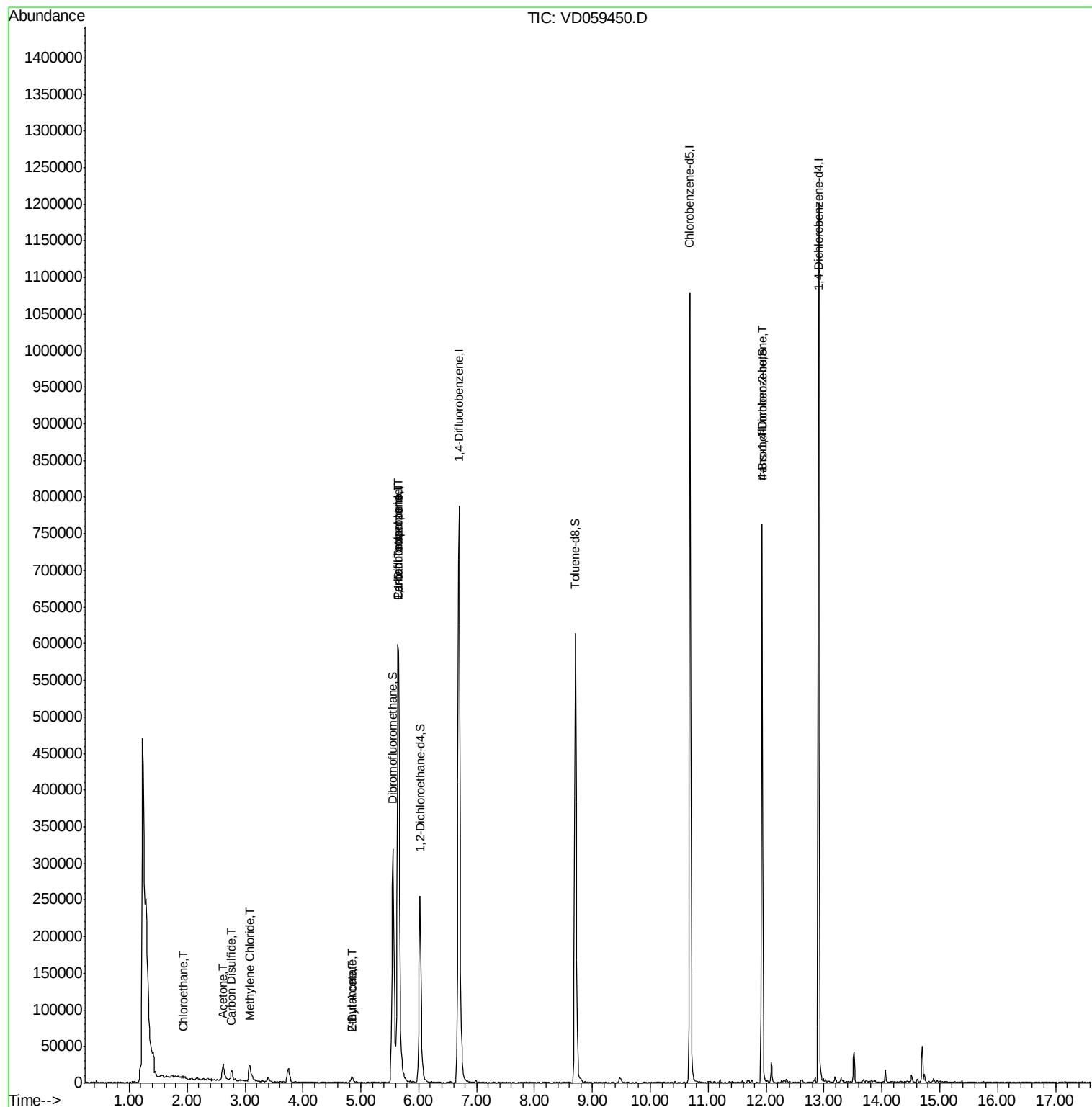
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.76	94	313	Below Cal	#	4
6) Chloroethane	1.92	64	205	2.048	ug/l #	41
16) Acetone	2.62	43	47715	59.344	ug/l	100
17) Carbon Disulfide	2.77	76	19084	3.036	ug/l #	93
18) Methyl Acetate	2.91	43	207	Below Cal	#	66
20) Methylene Chloride	3.08	84	11679	2.887	ug/l #	87
25) 2-Butanone	4.85	43	14735	8.748	ug/l	93
31) Cyclohexane	5.64	56	15480	Below Cal	#	1
36) 1,1-Dichloropropene	5.65	75	50395	6.699	ug/l #	48
37) Ethyl Acetate	4.85	43	14735	3.216	ug/l #	69
38) Carbon Tetrachloride	5.64	117	51171	6.598	ug/l #	16
81) trans-1,4-Dichloro-2-buten	11.93	75	95349	128.236	ug/l #	1

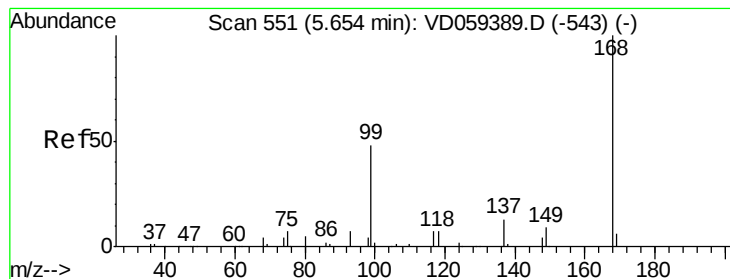
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062718\
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Acq On : 27 Jun 2018 17:51
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Misc : 10.36g/5ml/MSVOA D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Jun 28 02:59:09 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
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. -0.00 min

Lab File: VD059450.D

Acq: 27 Jun 2018 17:51

Instrument :

MSVOA_D

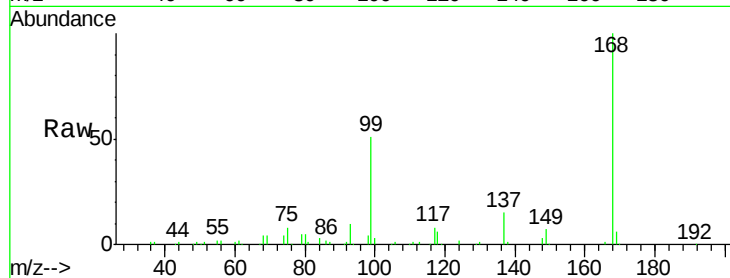
ClientSampleId :

Tot Ion:168 Resp: 622962

Ion Ratio Lower Upper

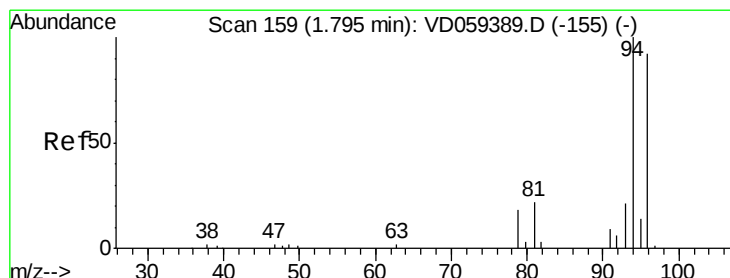
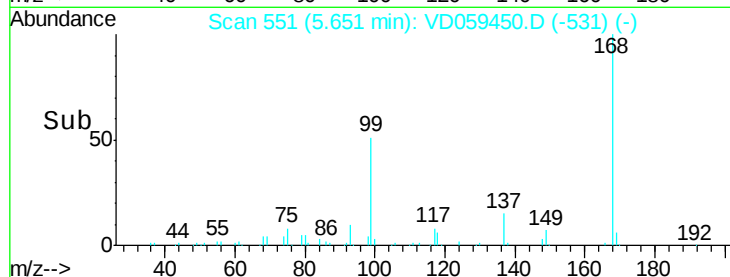
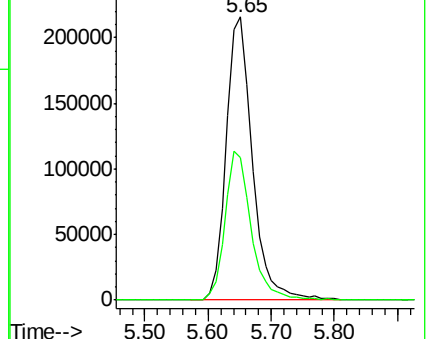
168 100

99 50.6 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: 1.76 min Scan# 156

Delta R.T. -0.03 min

Lab File: VD059450.D

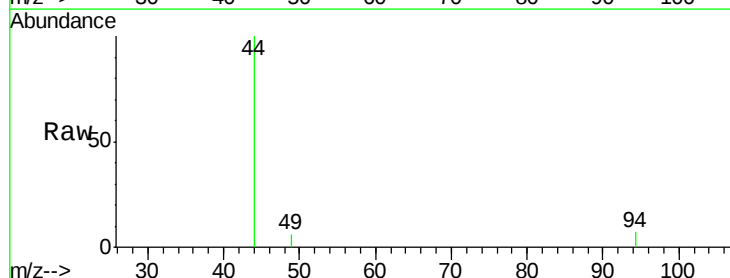
Acq: 27 Jun 2018 17:51

Tgt Ion: 94 Resp: 313

Ion Ratio Lower Upper

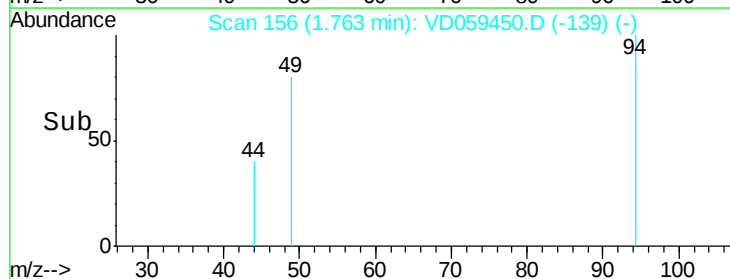
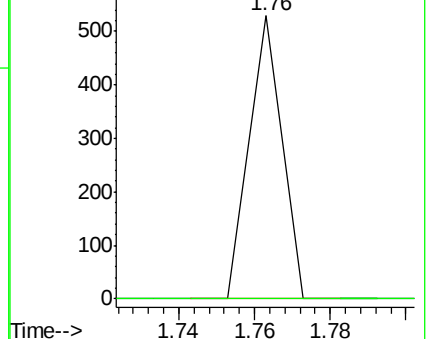
94 100

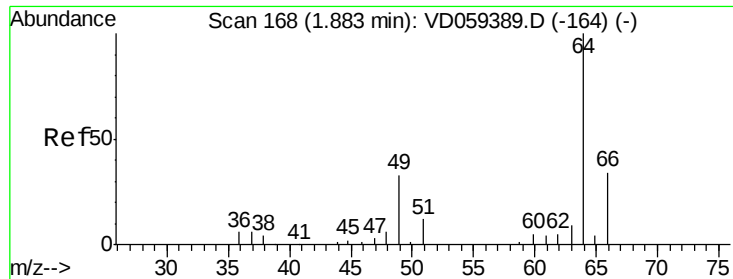
96 0.0 73.4 110.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#6

Chloroethane

Concen: 2.048 ug/l

RT: 1.92 min Scan# 172

Delta R.T. 0.04 min

Lab File: VD059450.D

Acq: 27 Jun 2018 17:51

Instrument :

MSVOA_D

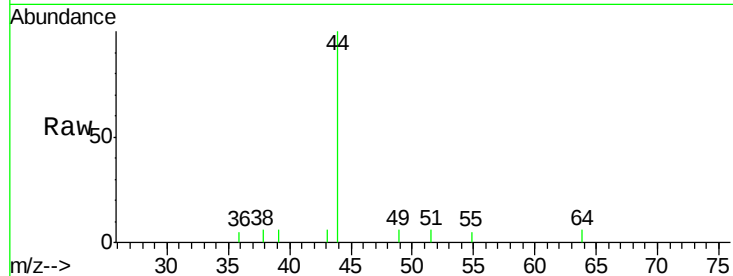
ClientSampled :

Tot Ion: 64 Resp: 205

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

1.92

300

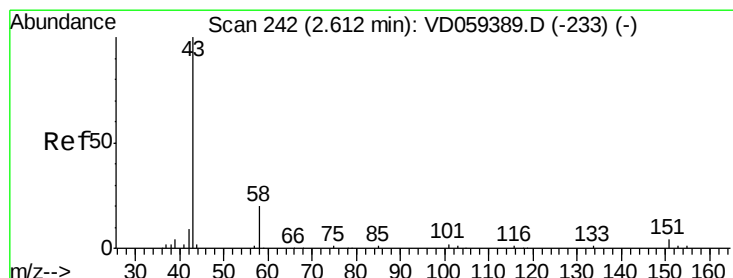
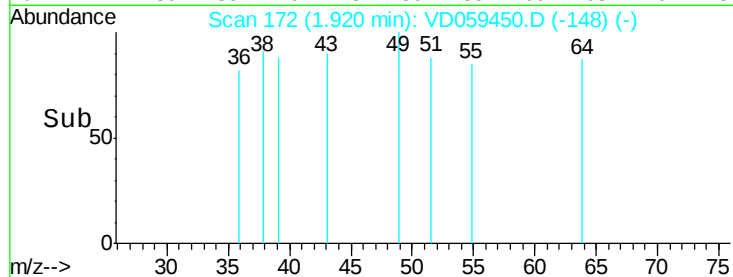
200

100

0

Time-->

1.90 1.92 1.94



#16

Acetone

Concen: 59.344 ug/l

RT: 2.62 min Scan# 243

Delta R.T. 0.01 min

Lab File: VD059450.D

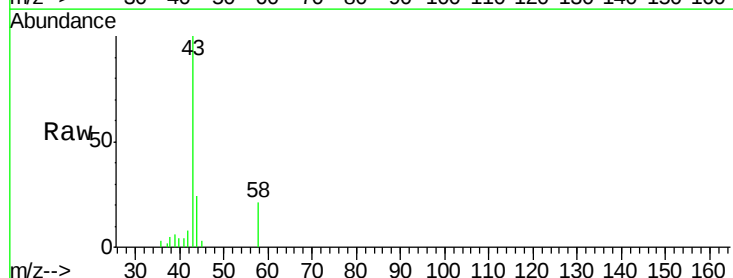
Acq: 27 Jun 2018 17:51

Tgt Ion: 43 Resp: 47715

Ion Ratio Lower Upper

43 100

58 20.8 16.8 25.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

2.62

15000

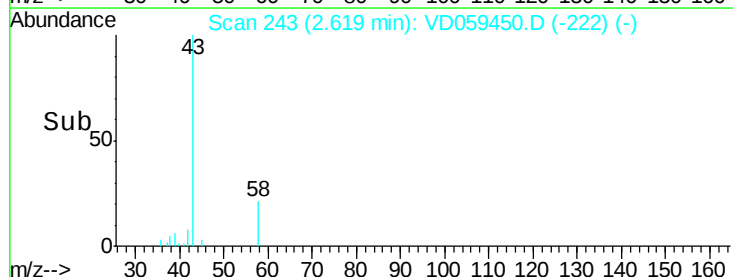
10000

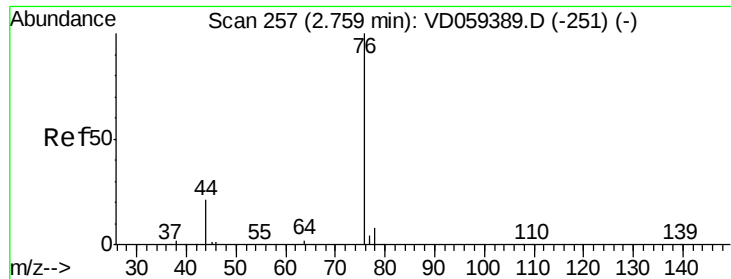
5000

0

Time-->

2.50 2.60 2.70 2.80

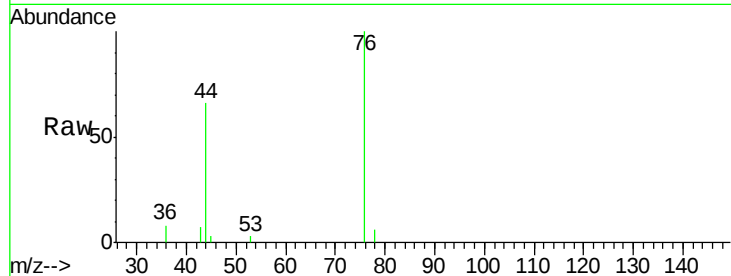




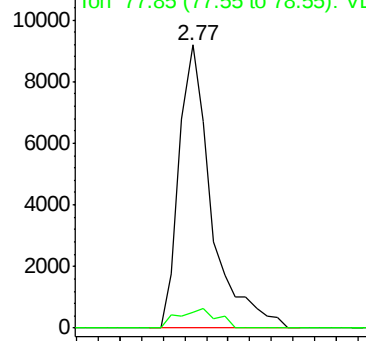
#17
Carbon Disulfide
Concen: 3.036 ug/l
RT: 2.77 min Scan# 258
Delta R.T. 0.01 min
Lab File: VD059450.D
Acq: 27 Jun 2018 17:51

Instrument :
MSVOA_D
ClientSampled :

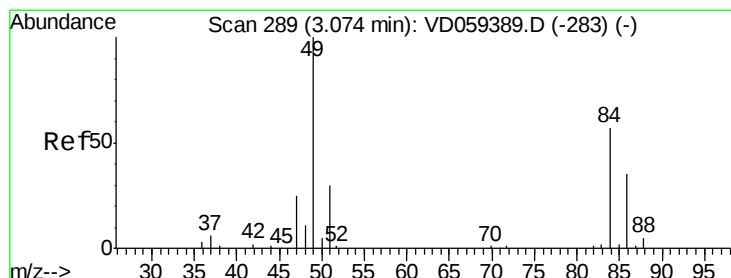
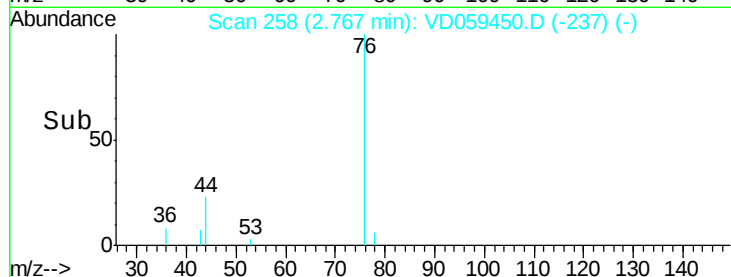
Tot Ion: 76 Resp: 19084
Ion Ratio Lower Upper
76 100
78 5.6 6.6 9.8#



Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

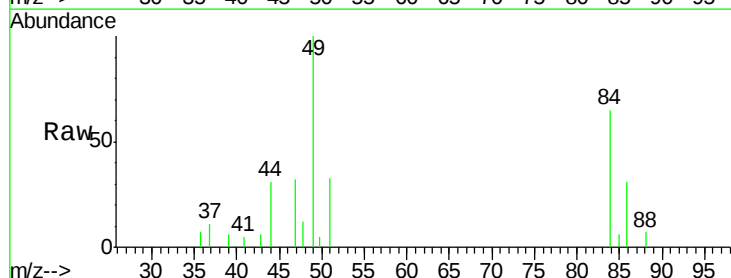


Time-->

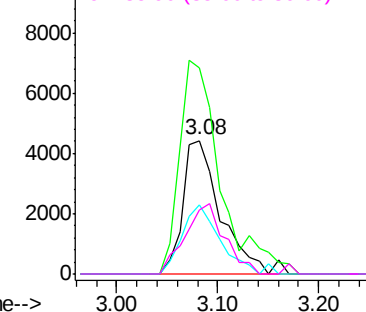


#20
Methylene Chloride
Concen: 2.887 ug/l
RT: 3.08 min Scan# 290
Delta R.T. 0.01 min
Lab File: VD059450.D
Acq: 27 Jun 2018 17:51

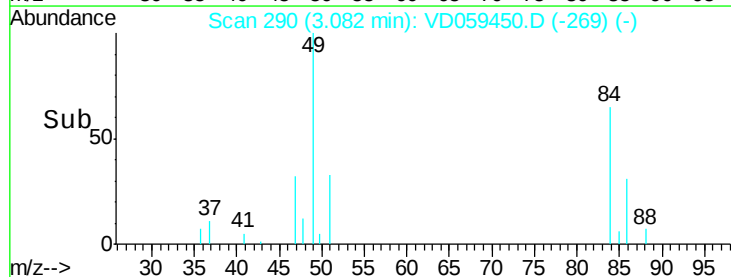
Tgt Ion: 84 Resp: 11679
Ion Ratio Lower Upper
84 100
49 154.5 140.3 210.5
51 51.5 41.6 62.4
86 48.4 49.4 74.2#

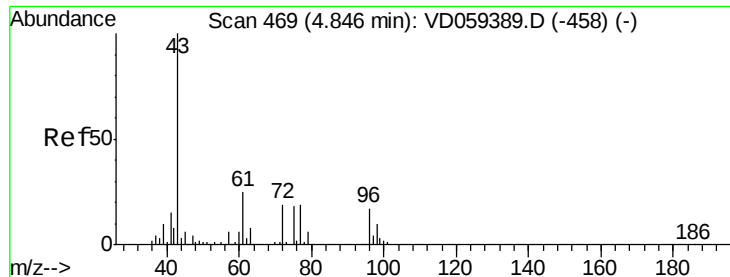


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC



Time-->





#25

2-Butanone

Concen: 8.748 ug/l

RT: 4.85 min Scan# 470

Delta R.T. 0.01 min

Lab File: VD059450.D

Acq: 27 Jun 2018 17:51

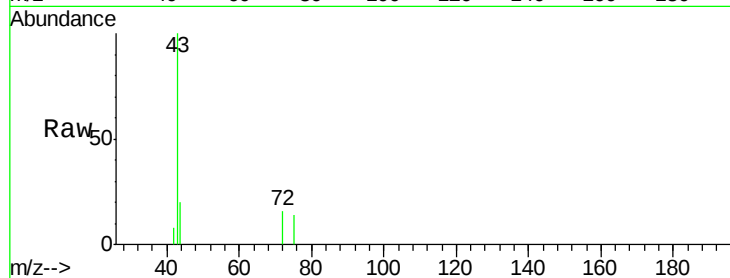
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 14735

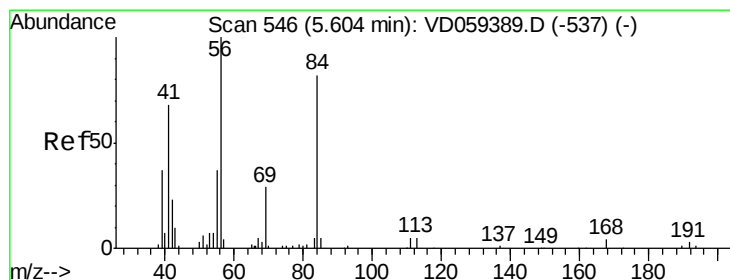
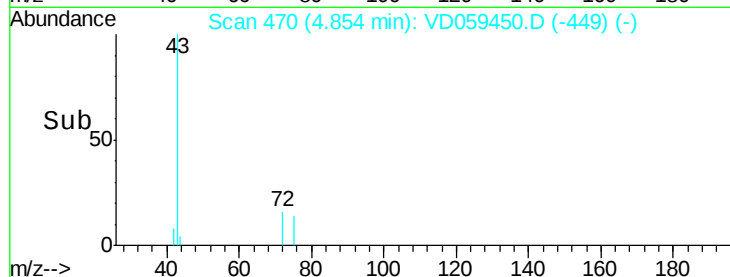
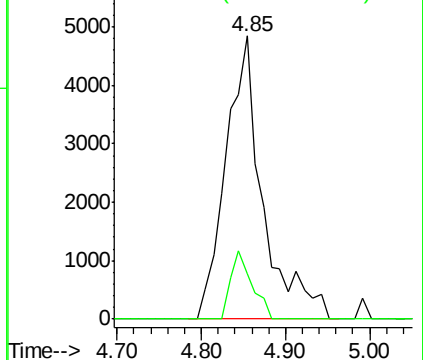
Ion Ratio Lower Upper

43 100

72 16.1 15.4 23.2



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: Below Cal

RT: 5.64 min Scan# 550

Delta R.T. 0.04 min

Lab File: VD059450.D

Acq: 27 Jun 2018 17:51

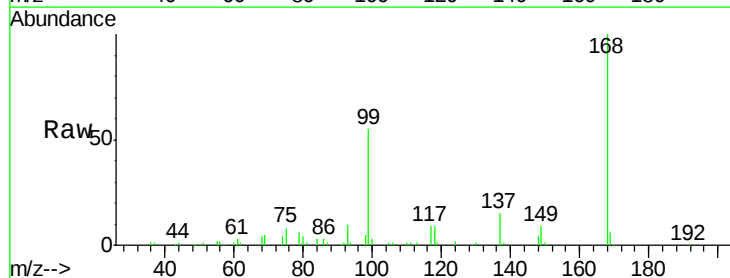
Tgt Ion: 56 Resp: 15480

Ion Ratio Lower Upper

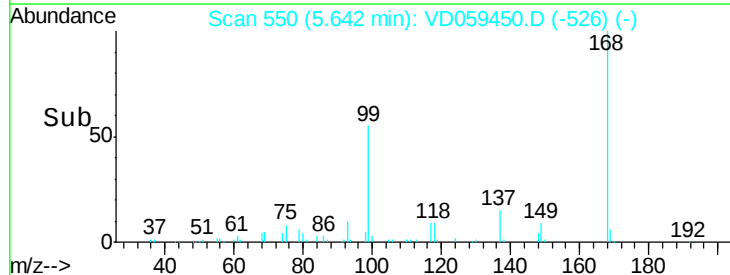
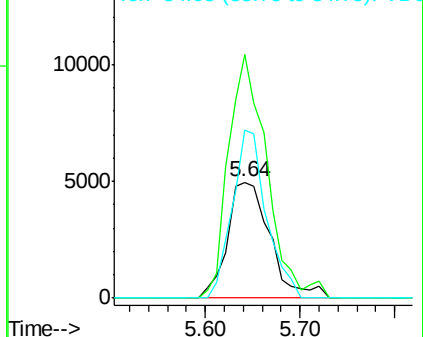
56 100

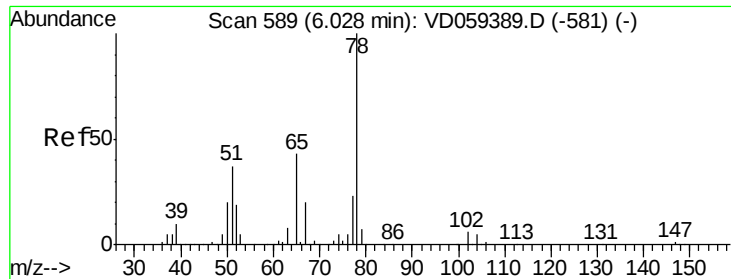
69 210.3 22.9 34.3#

84 144.8 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

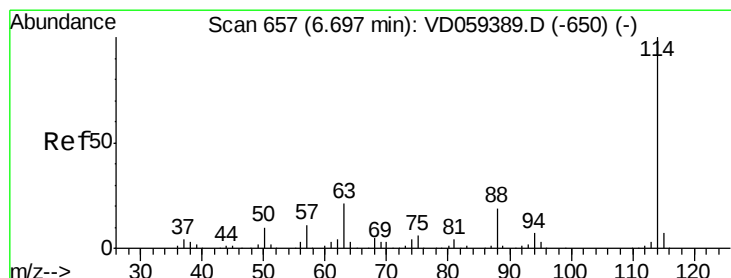
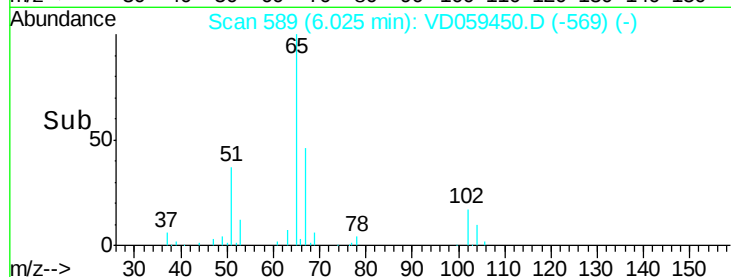
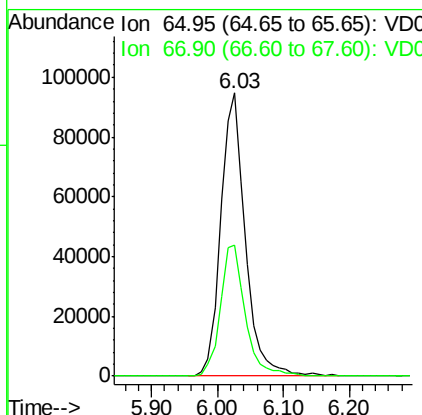
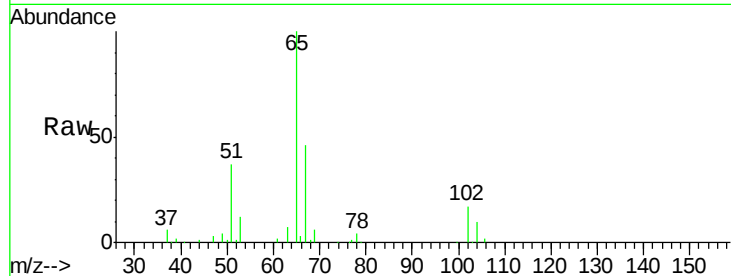




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.03 min Scan# 589
 Delta R.T. -0.00 min
 Lab File: VD059450.D
 Acq: 27 Jun 2018 17:51

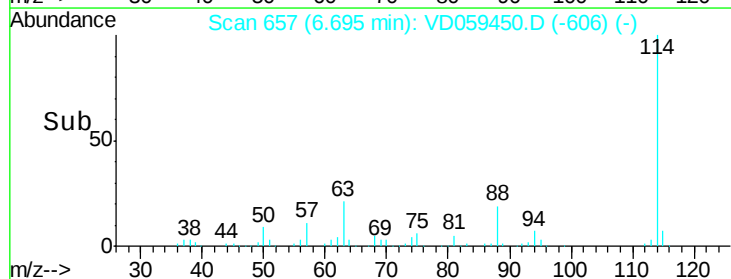
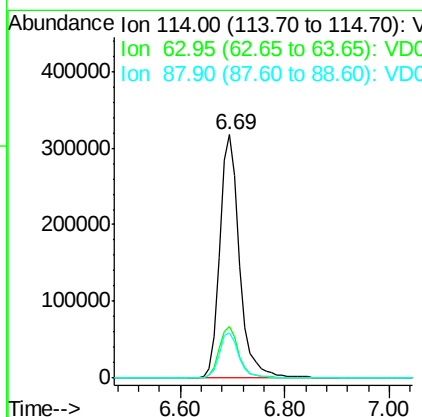
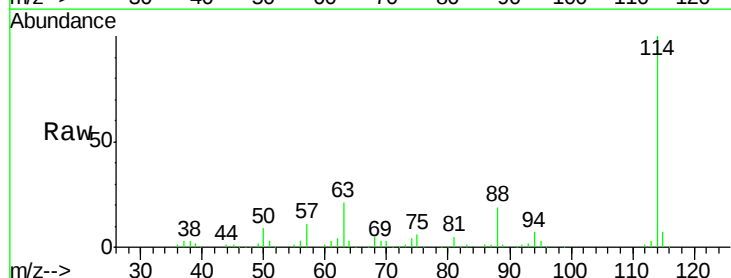
Instrument :
 MSVOA_D
 ClientSampled :

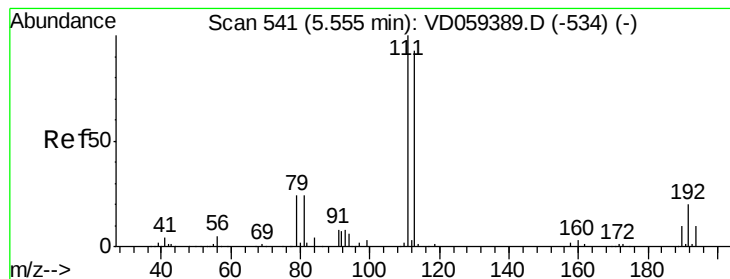
Tot Ion: 65 Resp: 246694
 Ion Ratio Lower Upper
 65 100
 67 46.3 0.0 93.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.69 min Scan# 657
 Delta R.T. -0.00 min
 Lab File: VD059450.D
 Acq: 27 Jun 2018 17:51

Tgt Ion: 114 Resp: 829277
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 42.4
 88 18.7 0.0 38.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.55 min Scan# 541

Delta R.T. -0.00 min

Lab File: VD059450.D

Acq: 27 Jun 2018 17:51

Instrument :
MSVOA_D
ClientSampleId :

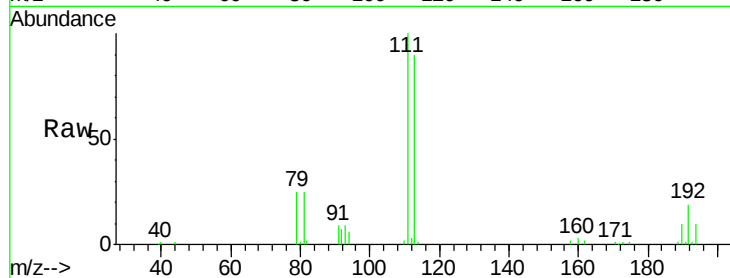
Tot Ion:113 Resp: 254486

Ion Ratio Lower Upper

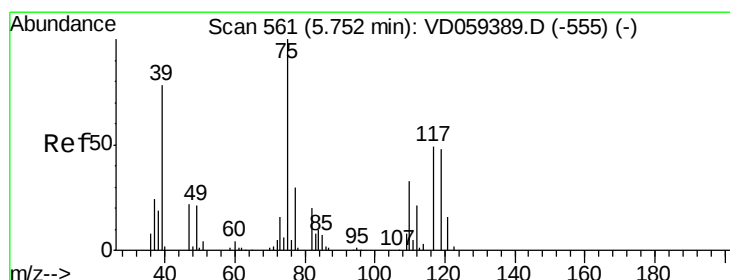
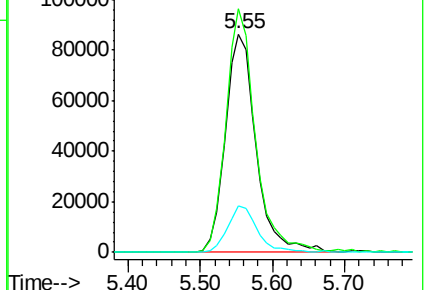
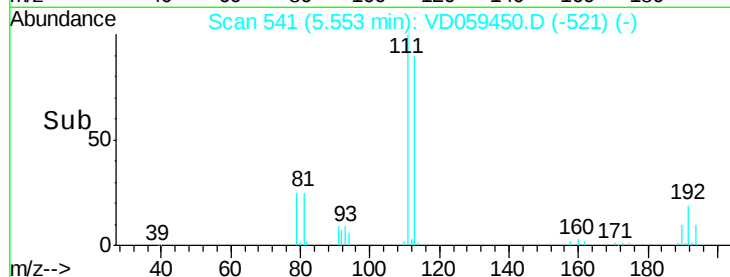
113 100

111 111.6 85.7 128.5

192 21.4 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: 6.699 ug/l

RT: 5.65 min Scan# 551

Delta R.T. -0.10 min

Lab File: VD059450.D

Acq: 27 Jun 2018 17:51

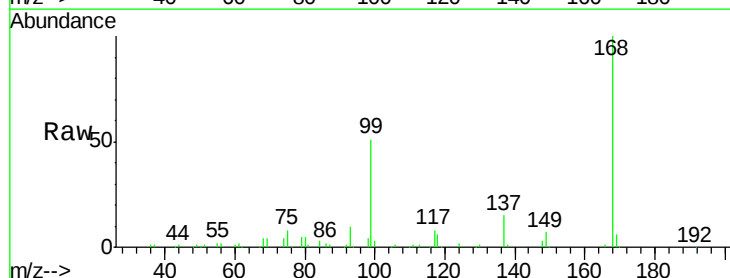
Tgt Ion: 75 Resp: 50395

Ion Ratio Lower Upper

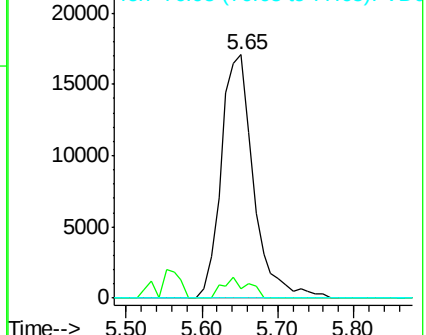
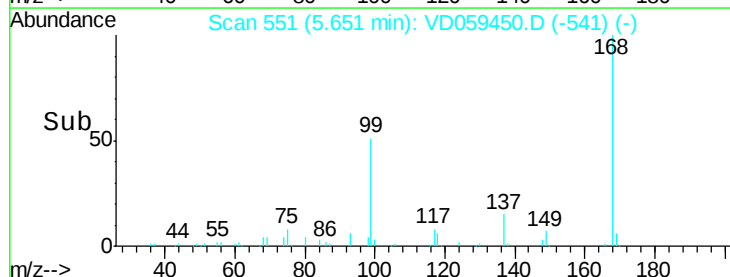
75 100

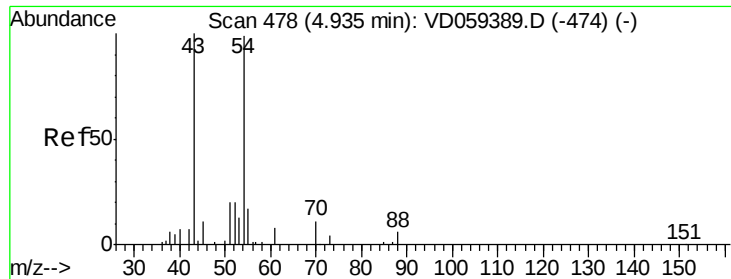
110 3.9 16.1 48.2#

77 0.0 23.4 35.2#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC

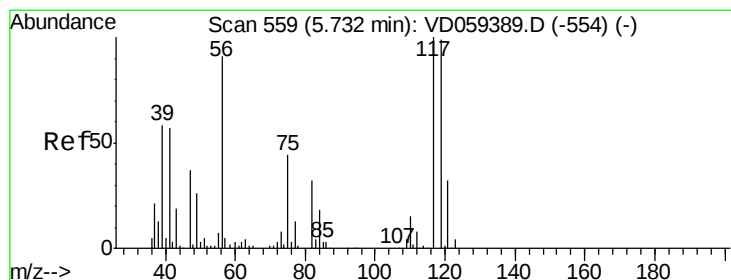
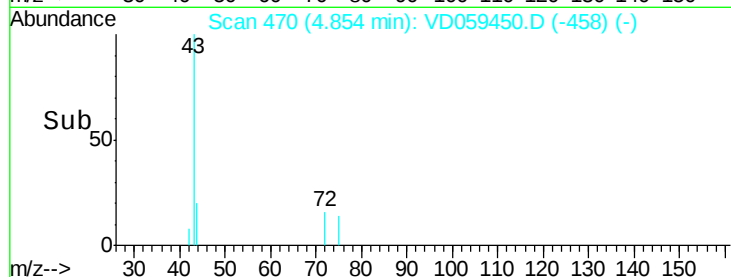
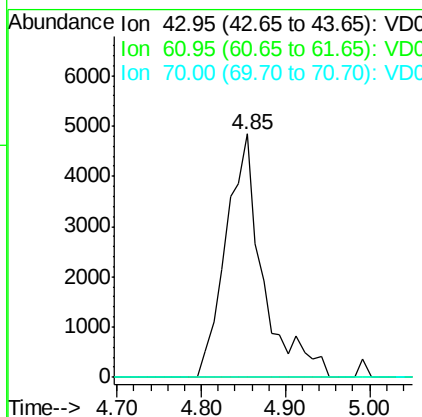
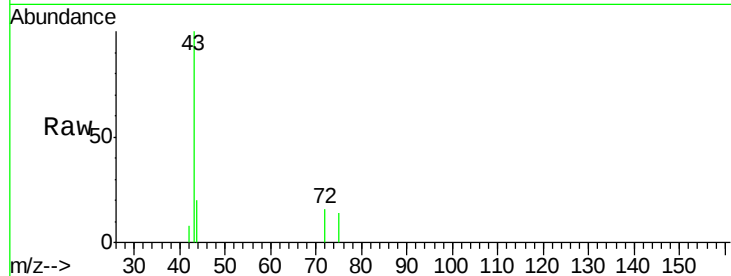




#37
Ethyl Acetate
Concen: 3.216 ug/l
RT: 4.85 min Scan# 470
Delta R.T. -0.08 min
Lab File: VD059450.D
Acq: 27 Jun 2018 17:51

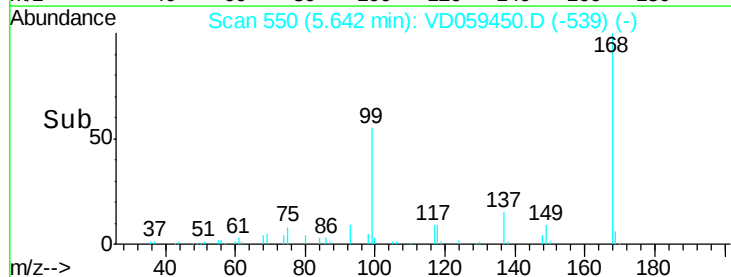
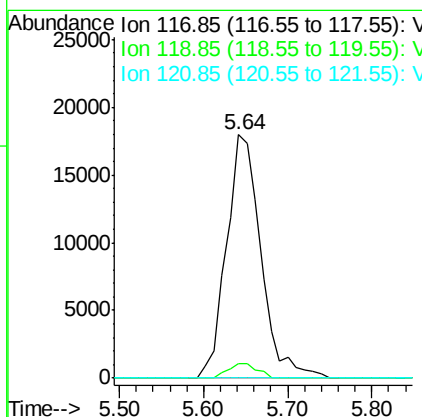
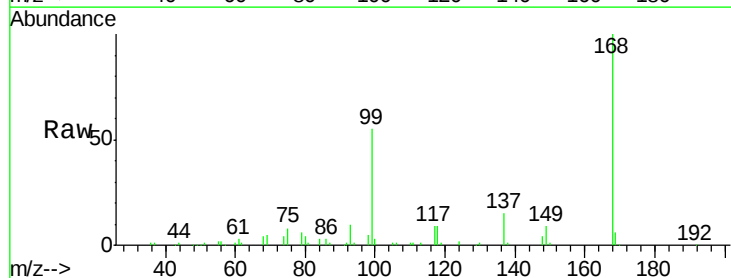
Instrument :
MSVOA_D
ClientSampleId :

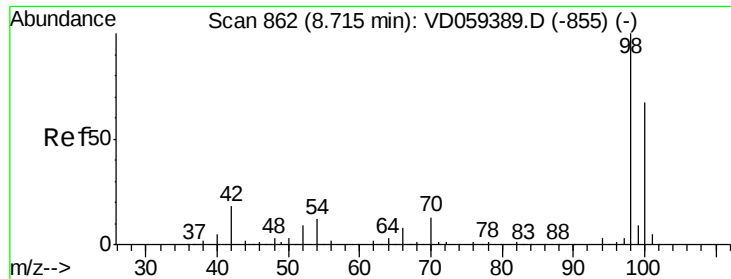
Tot Ion: 43 Resp: 14735
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.8#
70 0.0 6.1 9.1#



#38
Carbon Tetrachloride
Concen: 6.598 ug/l
RT: 5.64 min Scan# 550
Delta R.T. -0.09 min
Lab File: VD059450.D
Acq: 27 Jun 2018 17:51

Tgt Ion: 117 Resp: 51171
Ion Ratio Lower Upper
117 100
119 5.7 76.6 115.0#
121 0.0 25.0 37.4#

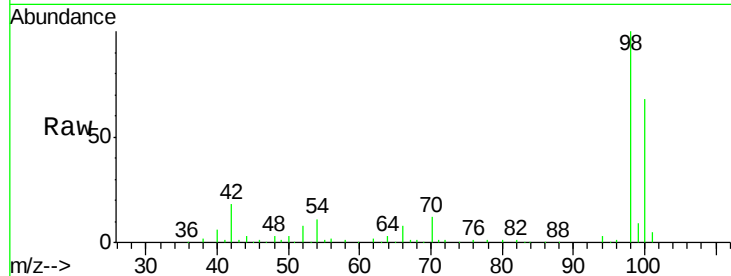




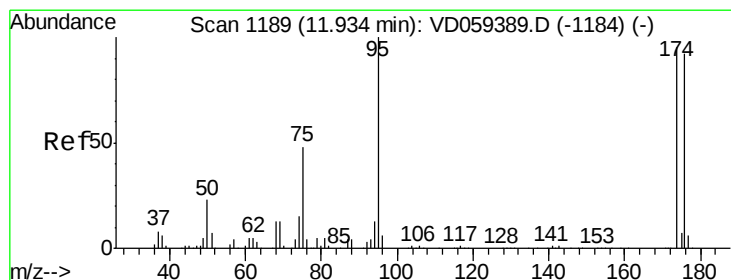
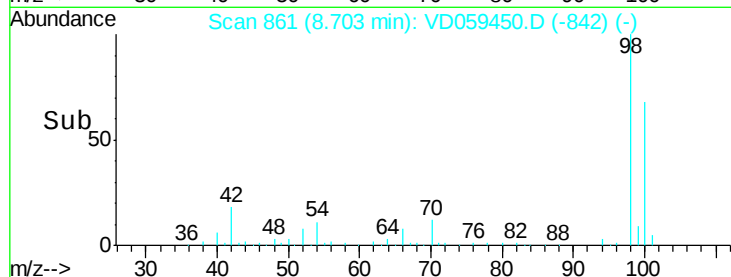
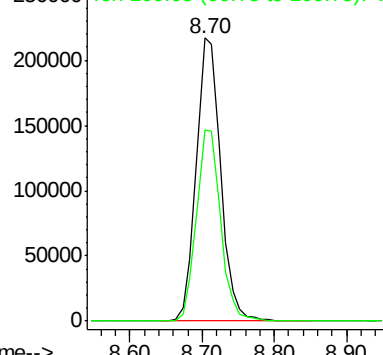
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.70 min Scan# 861
Delta R.T. -0.01 min
Lab File: VD059450.D
Acq: 27 Jun 2018 17:51

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 509805
Ion Ratio Lower Upper
98 100
100 67.5 54.4 81.6

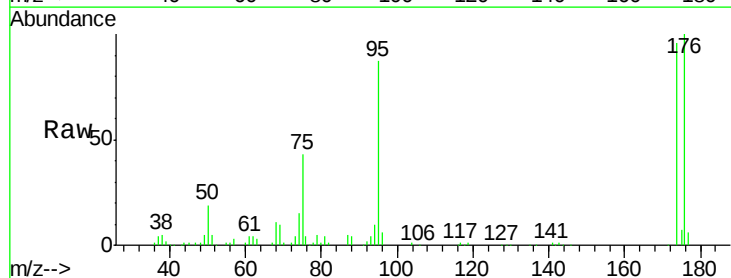


Abundance Ion 98.05 (97.75 to 98.75): VD059389.D (-855) (-)
Ion 100.05 (99.75 to 100.75): VD059389.D (-855) (-)

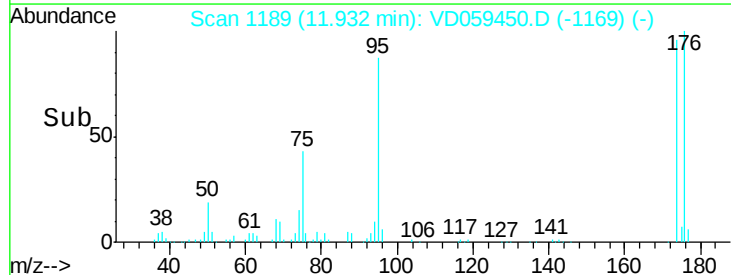
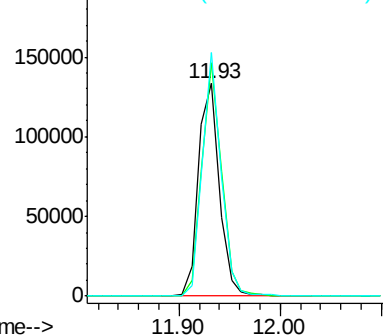


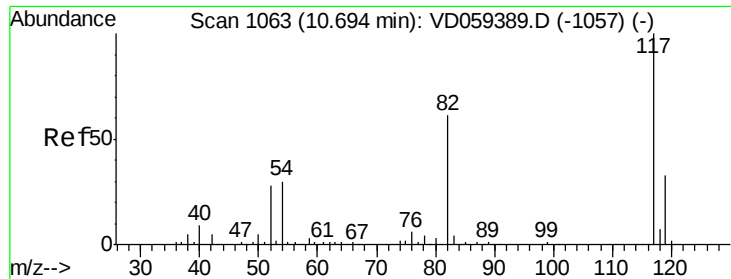
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.93 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VD059450.D
Acq: 27 Jun 2018 17:51

Tgt Ion: 95 Resp: 192376
Ion Ratio Lower Upper
95 100
174 109.8 0.0 190.4
176 114.6 0.0 183.2



Abundance Ion 95.00 (94.70 to 95.70): VD059389.D (-1184) (-)
Ion 173.90 (173.60 to 174.60): VD059389.D (-1184) (-)
Ion 175.90 (175.60 to 176.60): VD059389.D (-1184) (-)

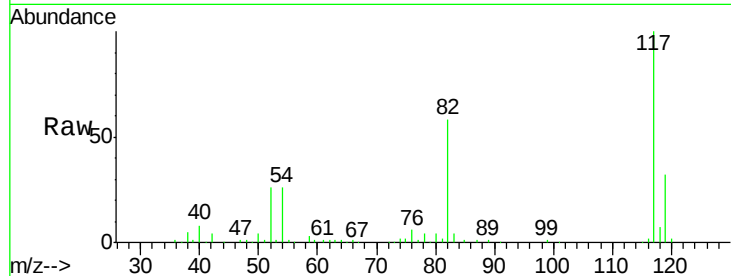




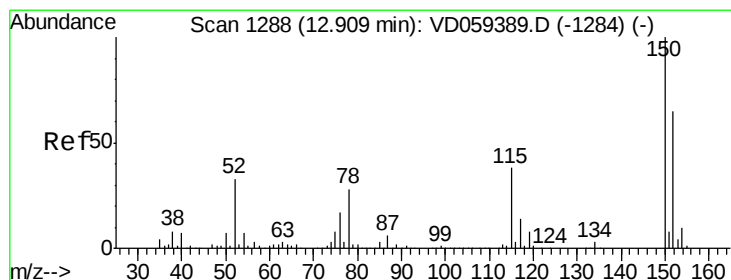
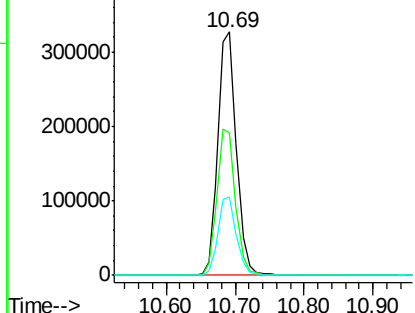
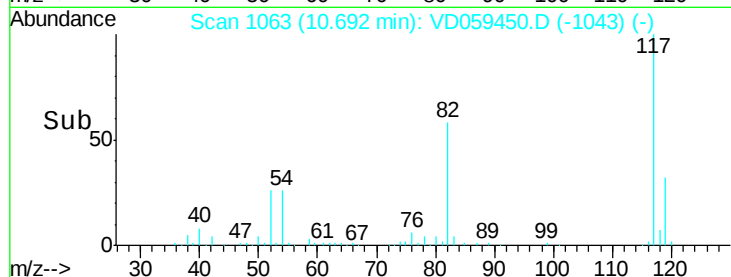
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VD059450.D
Acq: 27 Jun 2018 17:51

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 609678
Ion Ratio Lower Upper
117 100
82 58.4 49.0 73.6
119 32.3 26.2 39.4

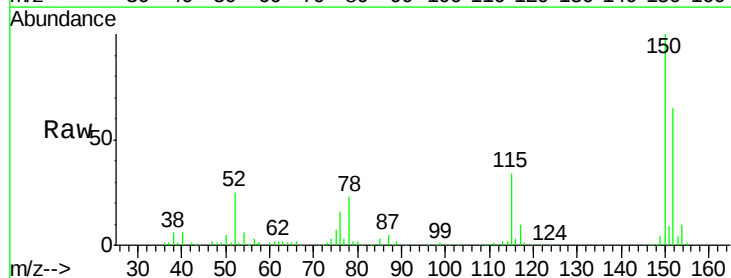


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

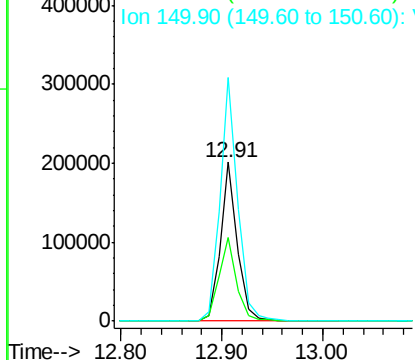
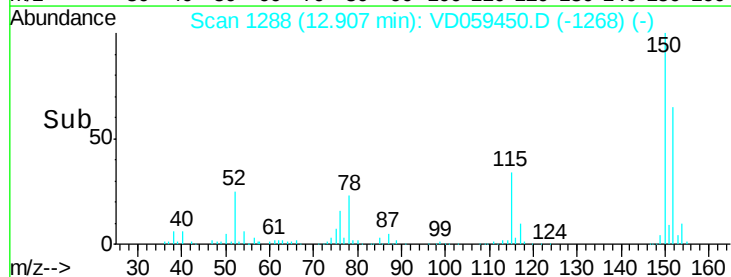


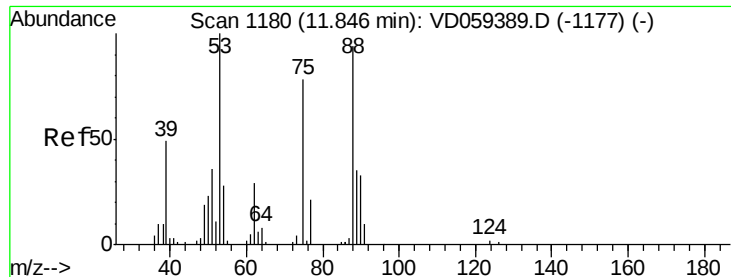
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VD059450.D
Acq: 27 Jun 2018 17:51

Tgt Ion:152 Resp: 237166
Ion Ratio Lower Upper
152 100
115 52.5 29.4 88.3
150 153.1 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: 128.236 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.09 min

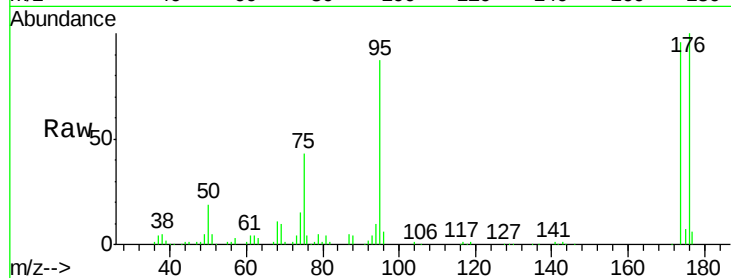
Lab File: VD059450.D

Acq: 27 Jun 2018 17:51

Instrument :

MSVOA_D

ClientSampleId :



Tot Ion: 75 Resp: 95349

Ion	Ratio	Lower	Upper
75	100		
53	0.0	102.6	154.0#
89	0.0	35.9	53.9#

