

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062818\
 Data File : VD059475.D
 Acq On : 28 Jun 2018 21:07
 Operator : VA/AP
 Sample : J3677-09RE
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 29 01:28:53 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	550109	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.69	114	727898	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.69	117	594864	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	286484	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	254344	45.21	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	90.42%	
35) Dibromofluoromethane	5.55	113	284011	47.90	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	95.80%	
50) Toluene-d8	8.71	98	542394	39.13	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	78.26%	
62) 4-Bromofluorobenzene	11.93	95	241869	41.95	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	83.90%	

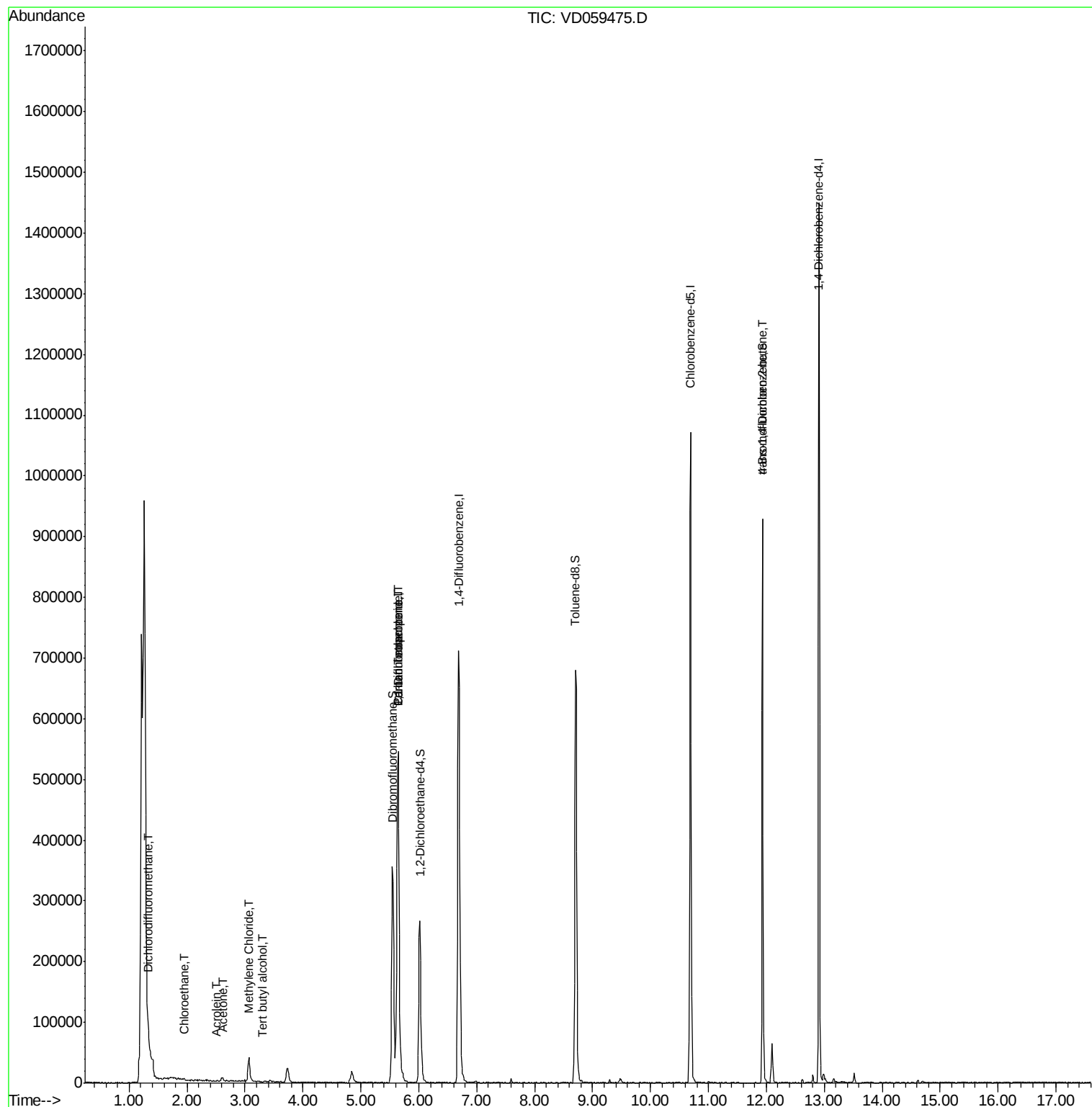
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.33	85	6394	1.306	ug/l	100
5) Bromomethane	1.80	94	239	Below Cal	#	4
6) Chloroethane	1.95	64	188	2.052	ug/l #	41
11) Tert butyl alcohol	3.30	59	233	1.197	ug/l #	72
13) Acrolein	2.50	56	364	2.092	ug/l #	16
16) Acetone	2.61	43	11237	15.827	ug/l	95
18) Methyl Acetate	2.95	43	652	Below Cal	#	66
20) Methylene Chloride	3.06	84	17751	6.862	ug/l	90
31) Cyclohexane	5.64	56	11904	Below Cal	#	1
36) 1,1-Dichloropropene	5.63	75	49079	7.433	ug/l #	50
38) Carbon Tetrachloride	5.64	117	43524	6.393	ug/l #	15
81) trans-1,4-Dichloro-2-buten	11.93	75	115030	128.072	ug/l #	1

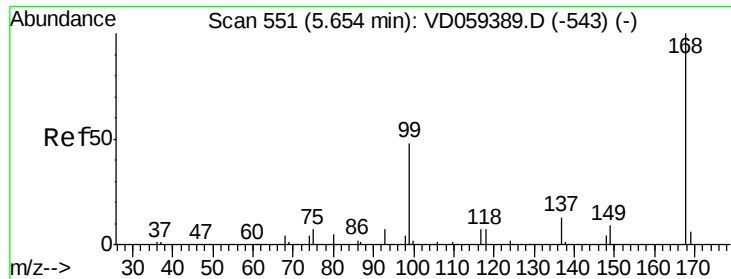
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062818\
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Quant Title : SW846 8260
QLast Update : Mon Jun 25 07:29:35 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.01 min

Lab File: VD059475.D

Acq: 28 Jun 2018 21:07

Instrument :

MSVOA_D

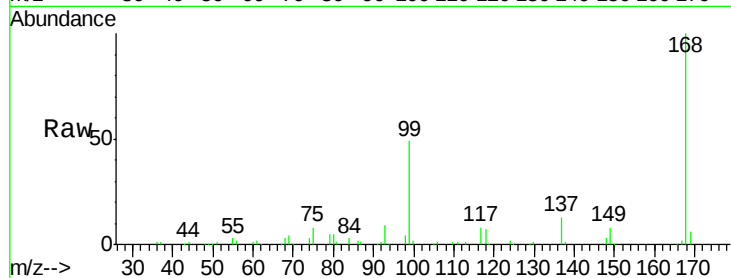
ClientSampleId :

Tot Ion:168 Resp: 550109

Ion Ratio Lower Upper

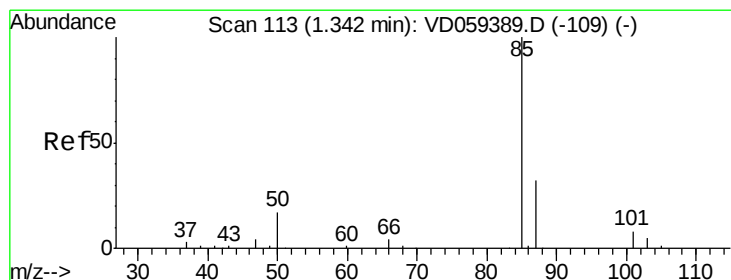
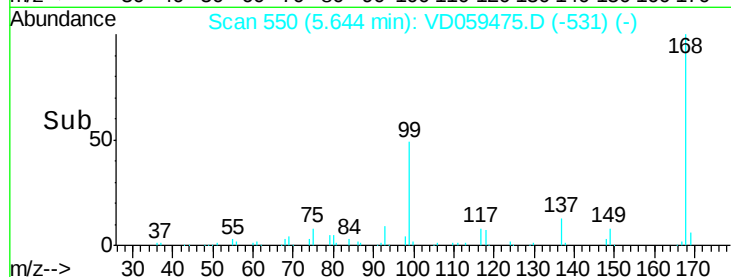
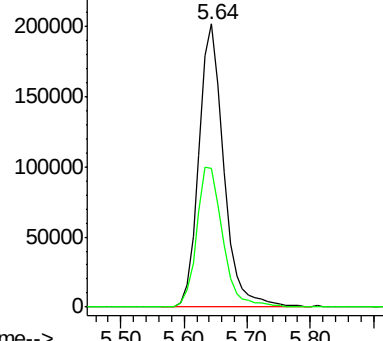
168 100

99 49.0 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 1.306 ug/l

RT: 1.33 min Scan# 112

Delta R.T. -0.01 min

Lab File: VD059475.D

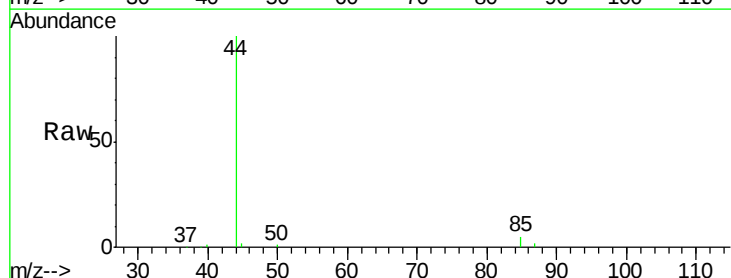
Acq: 28 Jun 2018 21:07

Tgt Ion: 85 Resp: 6394

Ion Ratio Lower Upper

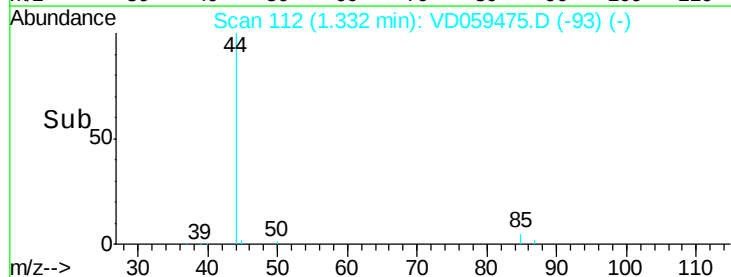
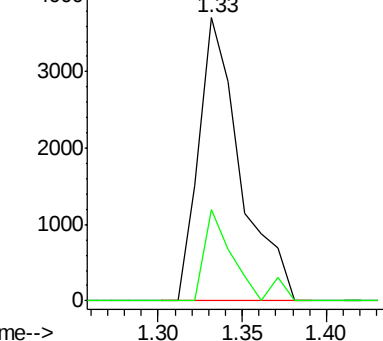
85 100

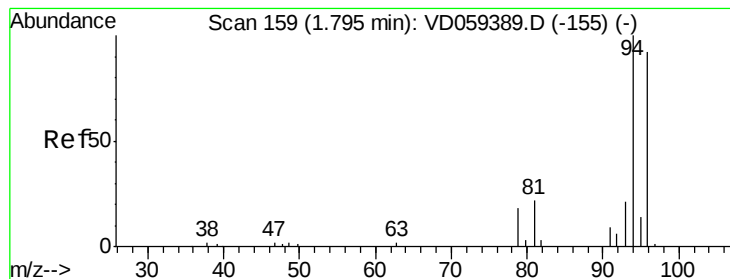
87 32.4 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#5

Bromomethane

Concen: Below Cal

RT: 1.80 min Scan# 160

Delta R.T. 0.01 min

Lab File: VD059475.D

Acq: 28 Jun 2018 21:07

Instrument :

MSVOA_D

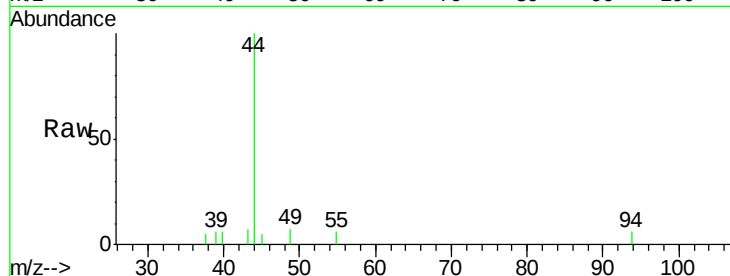
ClientSampled :

Tot Ion: 94 Resp: 239

Ion Ratio Lower Upper

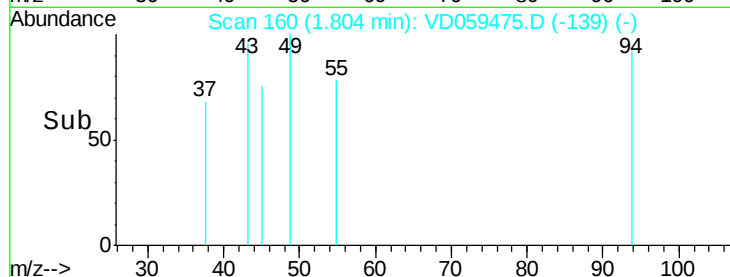
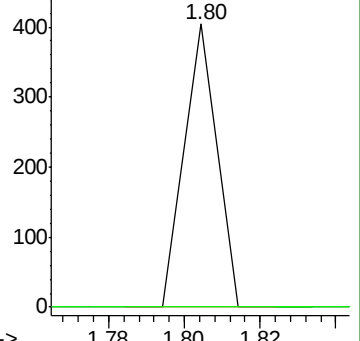
94 100

96 0.0 73.4 110.0#

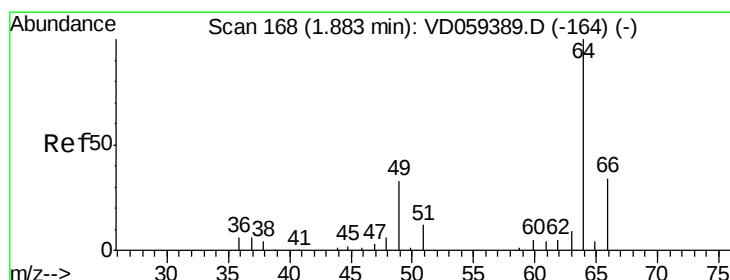


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time-->



#6

Chloroethane

Concen: 2.052 ug/l

RT: 1.95 min Scan# 175

Delta R.T. 0.07 min

Lab File: VD059475.D

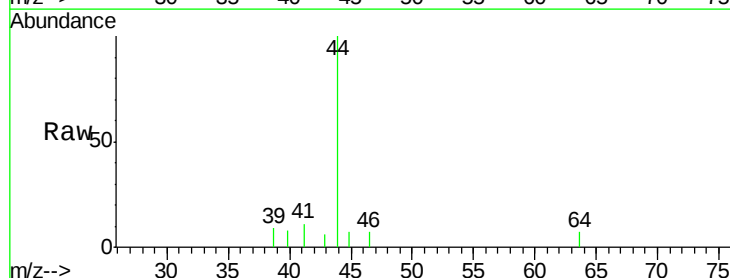
Acq: 28 Jun 2018 21:07

Tgt Ion: 64 Resp: 188

Ion Ratio Lower Upper

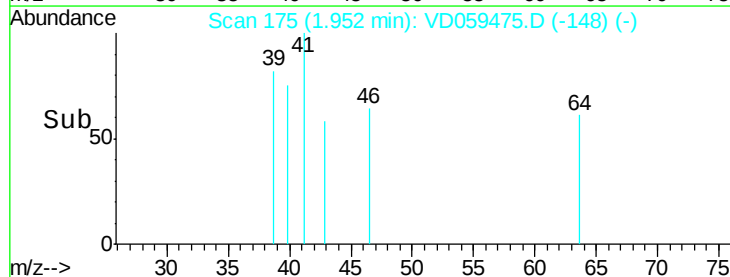
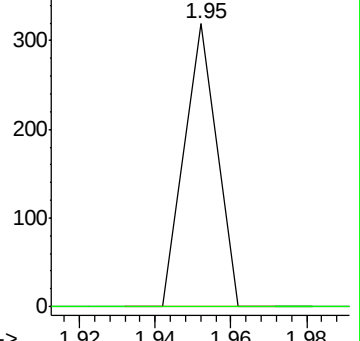
64 100

66 0.0 27.1 40.7#

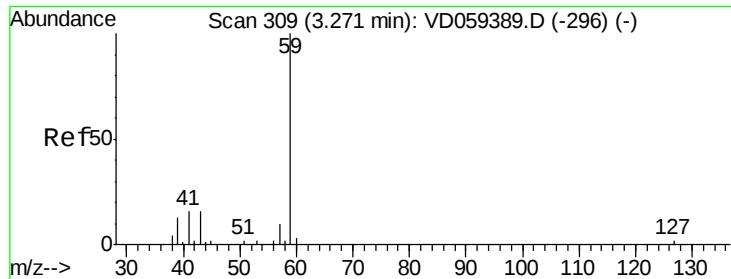


Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



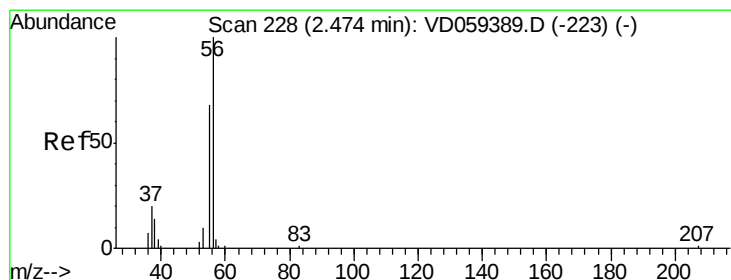
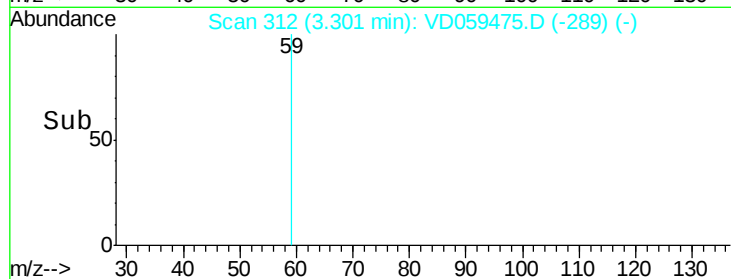
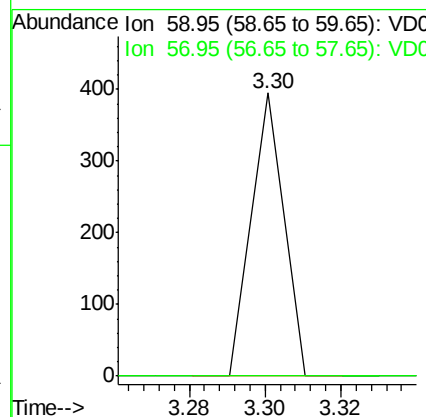
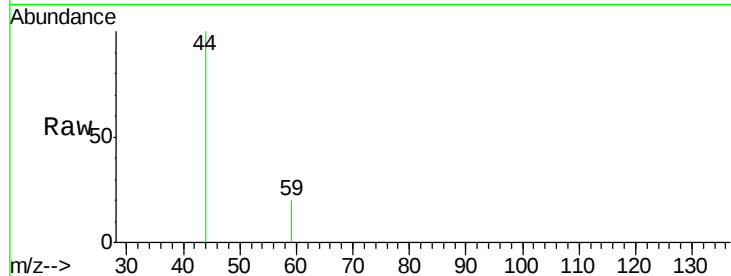
Time-->



#11
Tert butyl alcohol
Concen: 1.197 ug/l
RT: 3.30 min Scan# 312
Delta R.T. 0.03 min
Lab File: VD059475.D
Acq: 28 Jun 2018 21:07

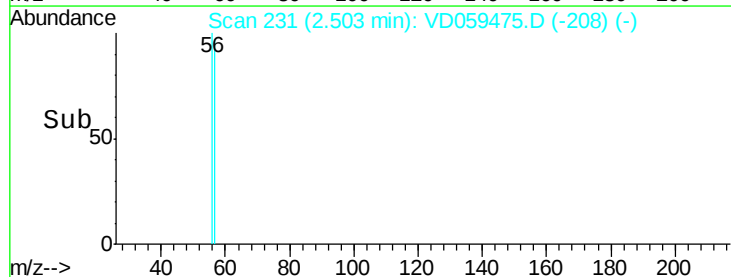
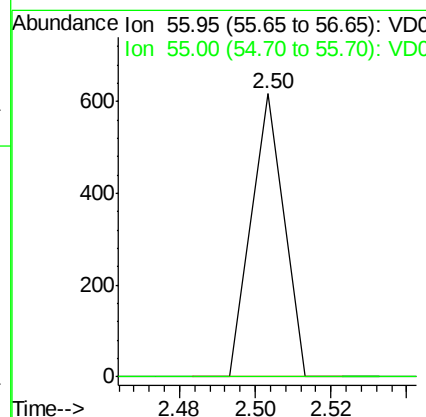
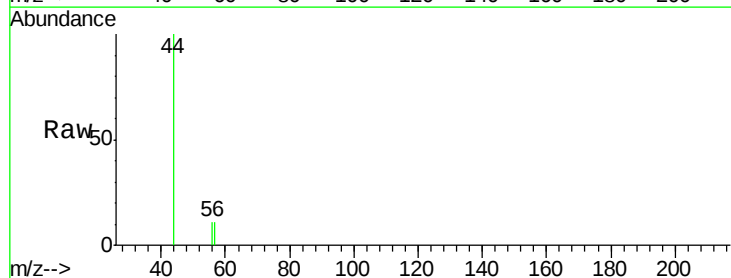
Instrument :
MSVOA_D
ClientSampleId :

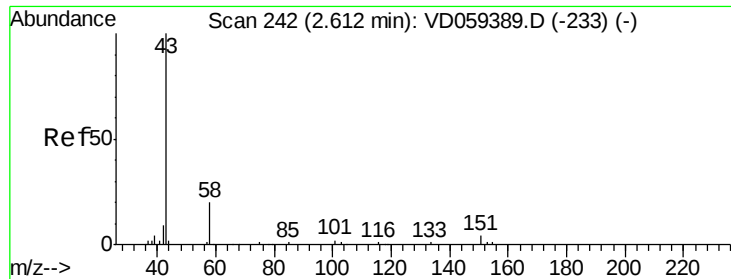
Tot Ion: 59 Resp: 233
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 2.092 ug/l
RT: 2.50 min Scan# 231
Delta R.T. 0.03 min
Lab File: VD059475.D
Acq: 28 Jun 2018 21:07

Tgt Ion: 56 Resp: 364
Ion Ratio Lower Upper
56 100
55 0.0 54.6 82.0#





#16

Acetone

Concen: 15.827 ug/l

RT: 2.61 min Scan# 242

Delta R.T. -0.00 min

Lab File: VD059475.D

Acq: 28 Jun 2018 21:07

Instrument :

MSVOA_D

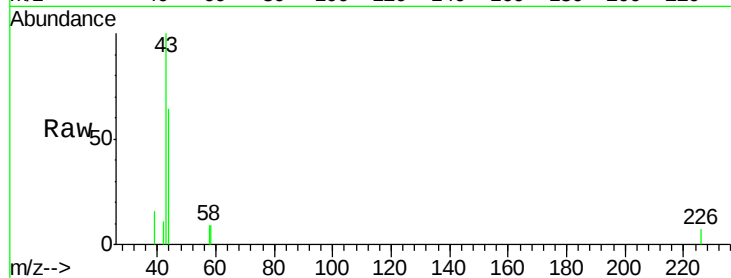
ClientSampleId :

Tot Ion: 43 Resp: 11237

Ion Ratio Lower Upper

43 100

58 18.6 16.8 25.2

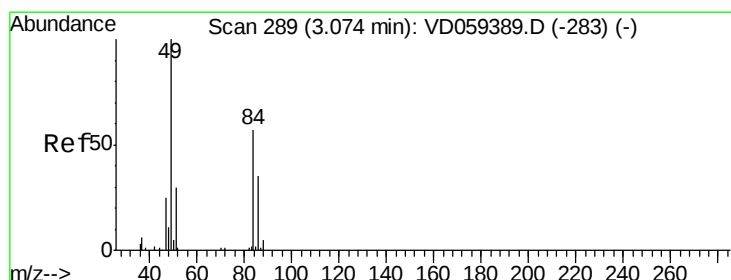
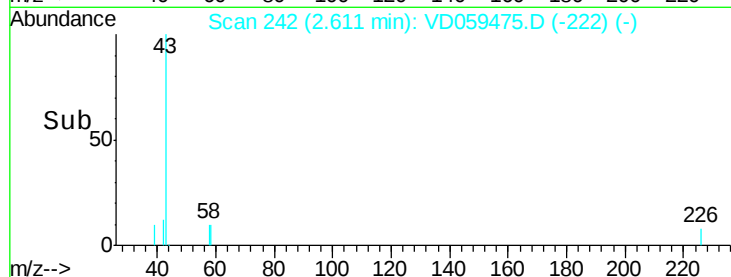


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

2.61

Time-->



#20

Methylene Chloride

Concen: 6.862 ug/l

RT: 3.06 min Scan# 288

Delta R.T. -0.01 min

Lab File: VD059475.D

Acq: 28 Jun 2018 21:07

Tgt Ion: 84 Resp: 17751

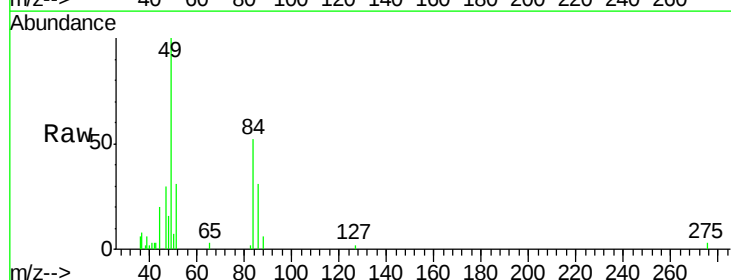
Ion Ratio Lower Upper

84 100

49 191.5 140.3 210.5

51 59.3 41.6 62.4

86 58.6 49.4 74.2



Abundance Ion 83.95 (83.65 to 84.65): VDC

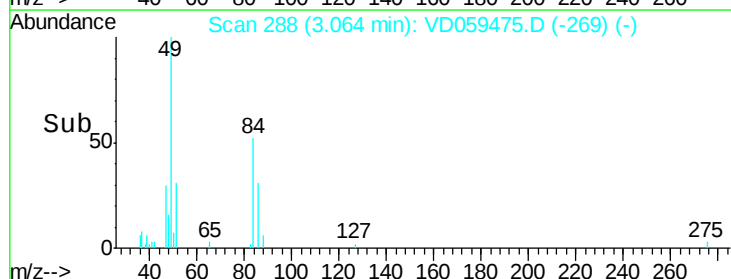
Ion 48.90 (48.60 to 49.60): VDC

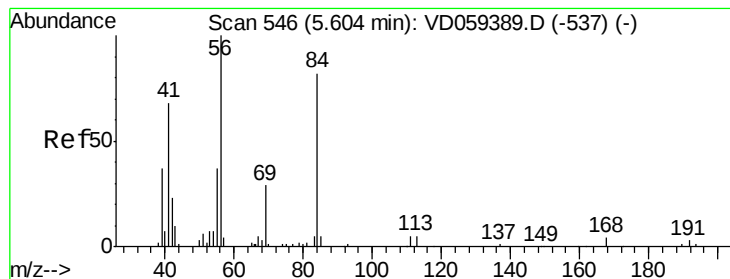
Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

3.06

Time-->





#31

Cyclohexane

Concen: Below Cal

RT: 5.64 min Scan# 550

Delta R.T. 0.04 min

Lab File: VD059475.D

Acq: 28 Jun 2018 21:07

Instrument :

MSVOA_D

ClientSampled :

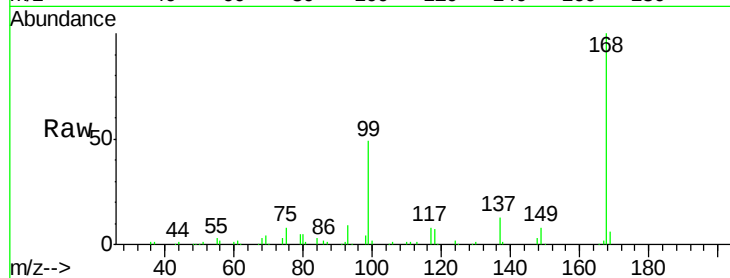
Tot Ion: 56 Resp: 11904

Ion Ratio Lower Upper

56 100

69 221.7 22.9 34.3#

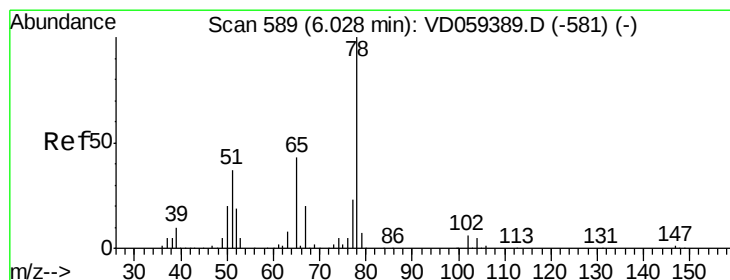
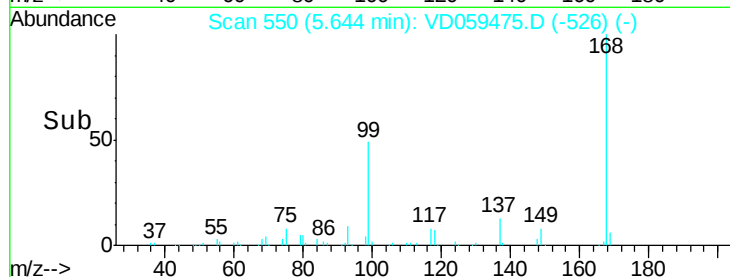
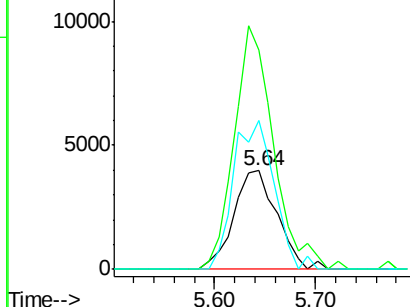
84 151.2 67.3 100.9#



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: VD059475.D

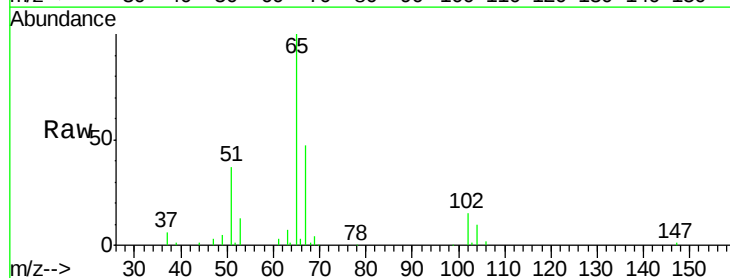
Acq: 28 Jun 2018 21:07

Tgt Ion: 65 Resp: 254344

Ion Ratio Lower Upper

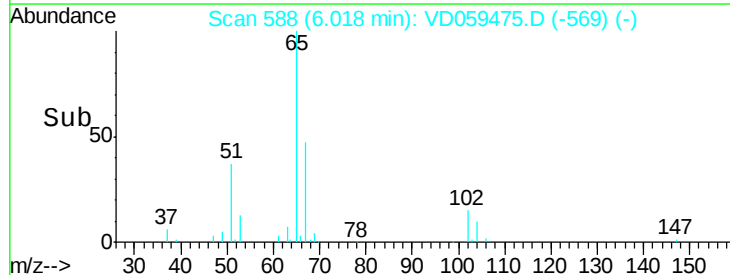
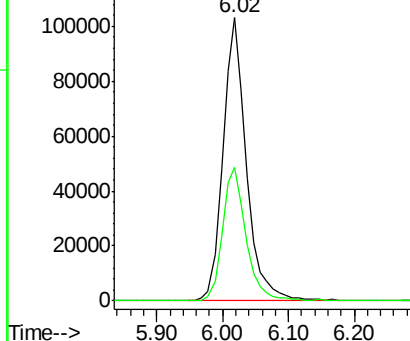
65 100

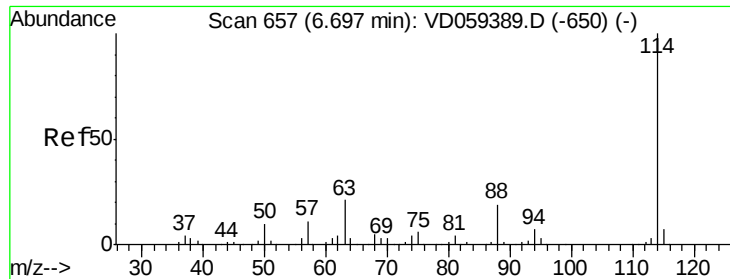
67 47.1 0.0 93.8



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# 656

Delta R.T. -0.01 min

Lab File: VD059475.D

Acq: 28 Jun 2018 21:07

Instrument :
MSVOA_D
ClientSampleId :

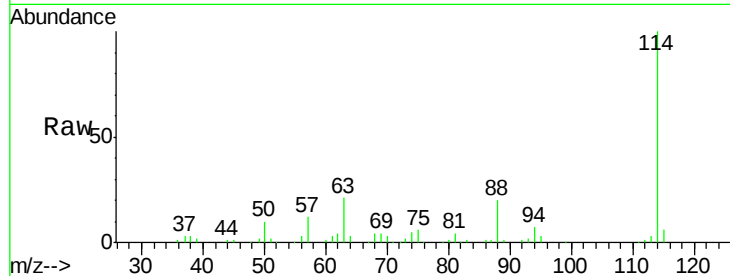
Tot Ion:114 Resp: 727898

Ion Ratio Lower Upper

114 100

63 21.2 0.0 42.4

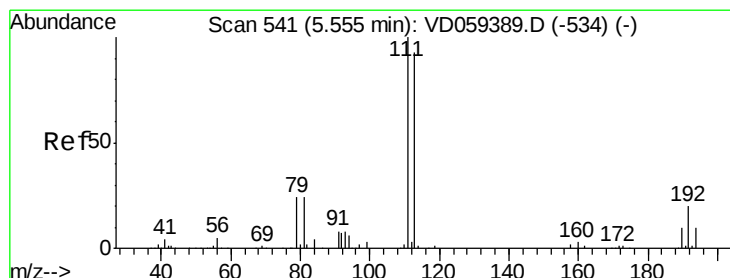
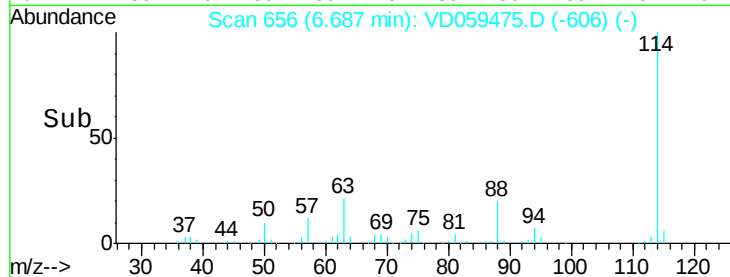
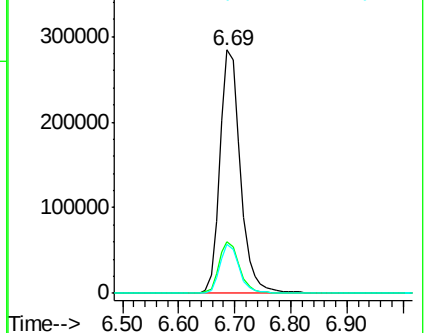
88 19.9 0.0 38.0



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: VD059475.D

Acq: 28 Jun 2018 21:07

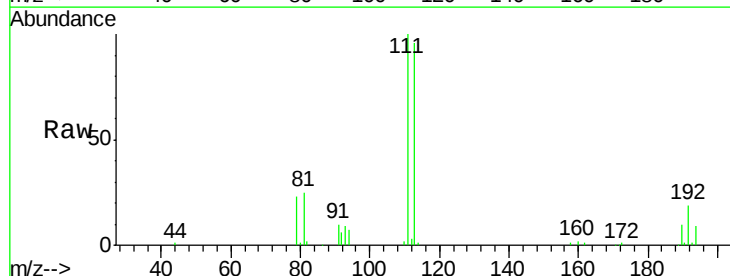
Tgt Ion:113 Resp: 284011

Ion Ratio Lower Upper

113 100

111 103.7 85.7 128.5

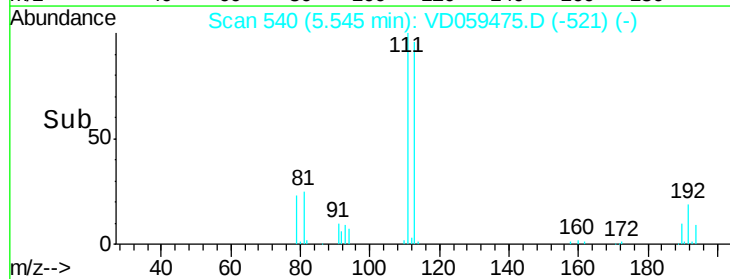
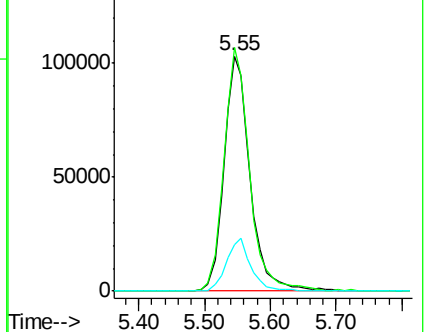
192 19.9 16.9 25.3

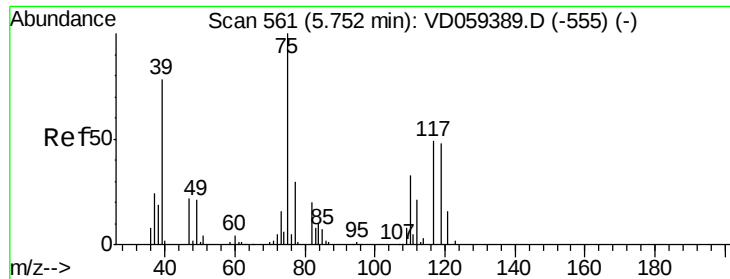


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 7.433 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.12 min

Lab File: VD059475.D

Acq: 28 Jun 2018 21:07

Instrument :

MSVOA_D

ClientSampleId :

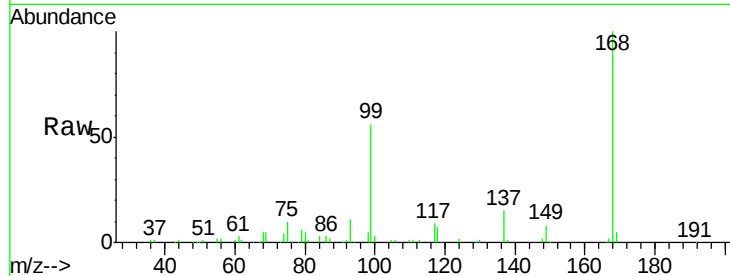
Tot Ion: 75 Resp: 49079

Ion Ratio Lower Upper

75 100

110 7.0 16.1 48.2#

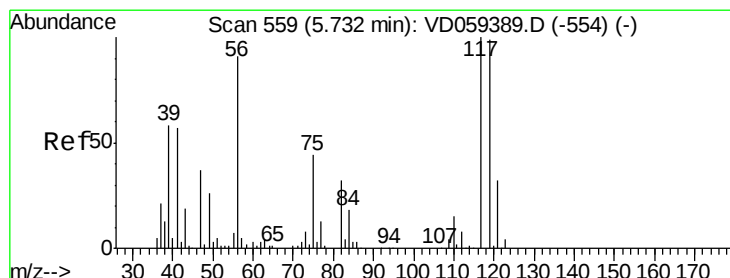
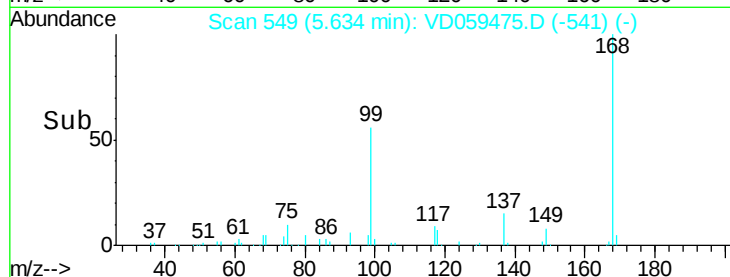
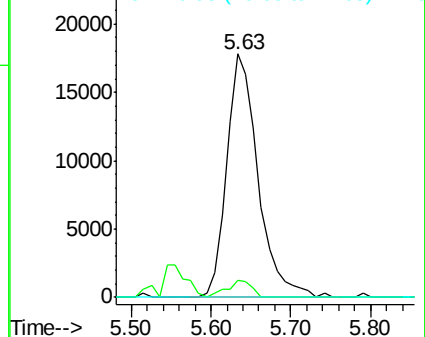
77 0.0 23.4 35.2#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V



#38

Carbon Tetrachloride

Concen: 6.393 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.09 min

Lab File: VD059475.D

Acq: 28 Jun 2018 21:07

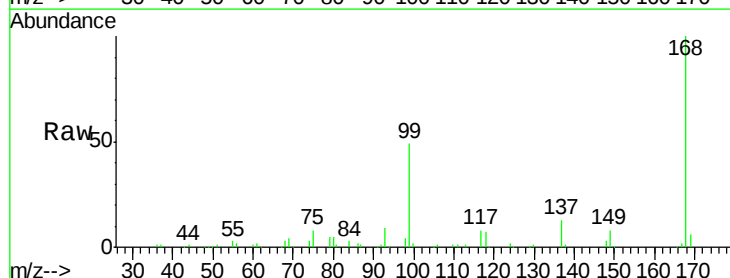
Tgt Ion: 117 Resp: 43524

Ion Ratio Lower Upper

117 100

119 4.1 76.6 115.0#

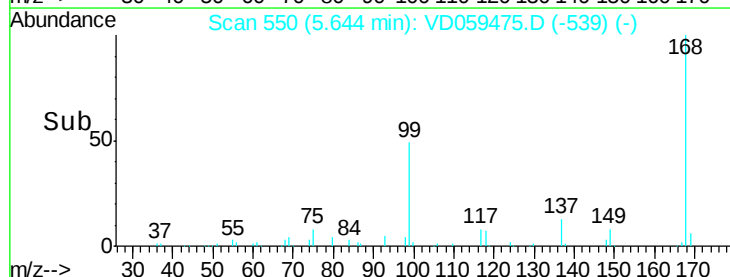
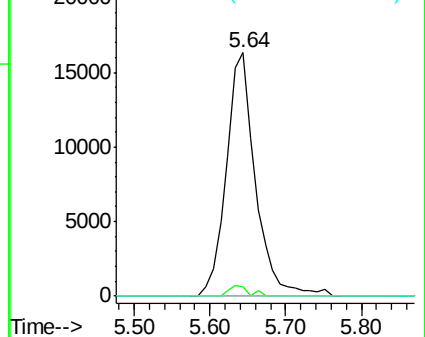
121 0.0 25.0 37.4#

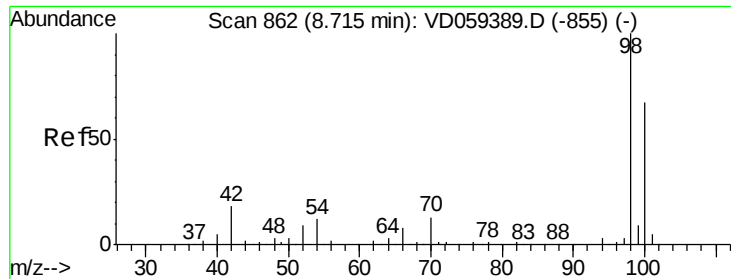


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

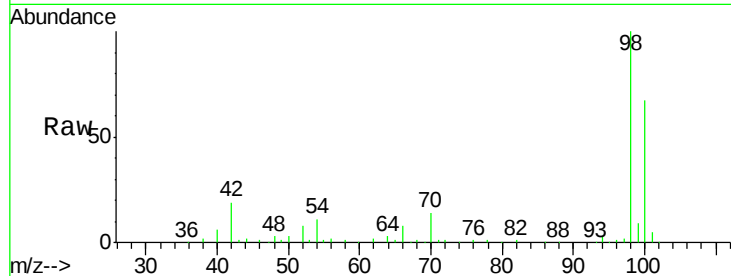




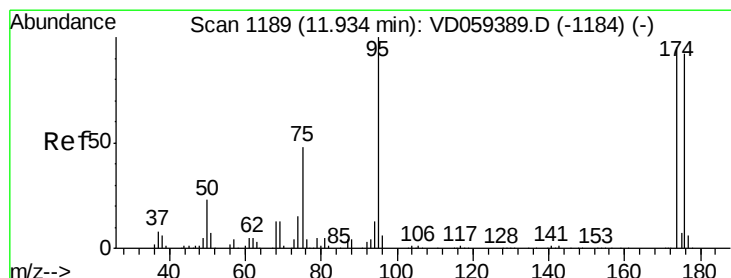
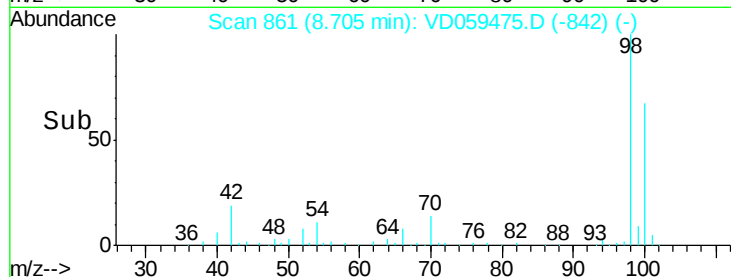
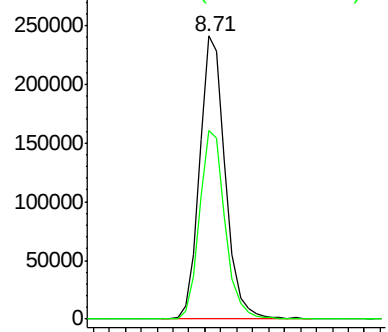
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.71 min Scan# 861
Delta R.T. -0.01 min
Lab File: VD059475.D
Acq: 28 Jun 2018 21:07

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 98 Resp: 542394
Ion Ratio Lower Upper
98 100
100 66.8 54.4 81.6

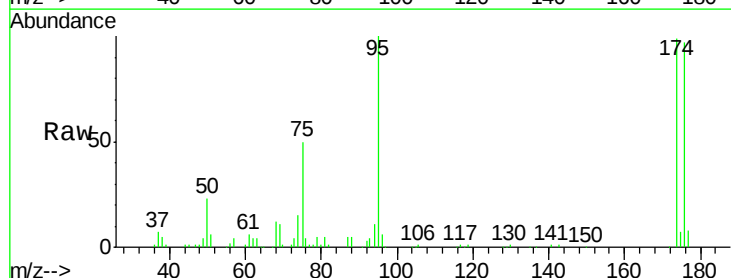


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

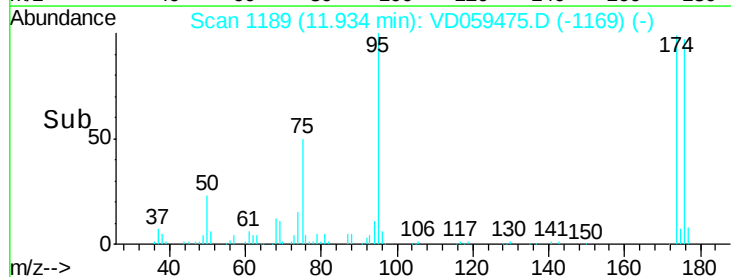
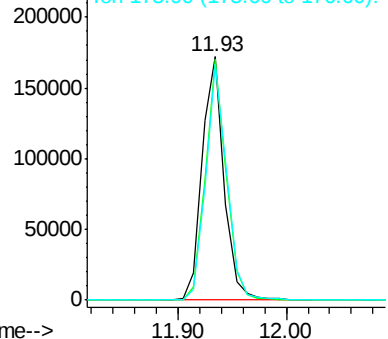


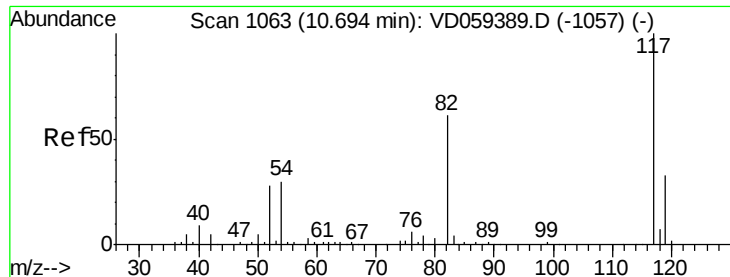
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.93 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VD059475.D
Acq: 28 Jun 2018 21:07

Tgt Ion: 95 Resp: 241869
Ion Ratio Lower Upper
95 100
174 99.2 0.0 190.4
176 96.8 0.0 183.2



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

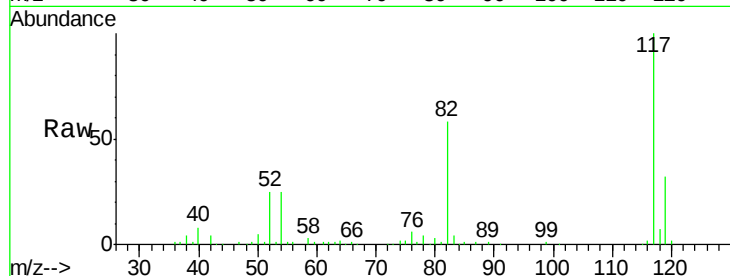




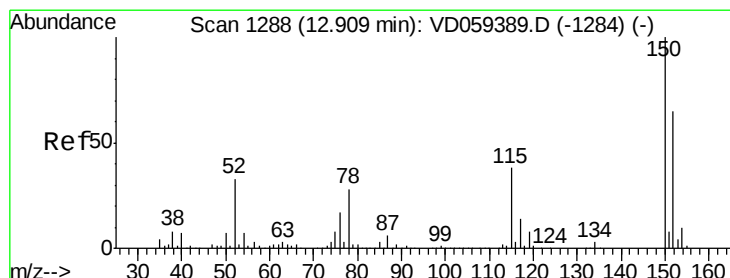
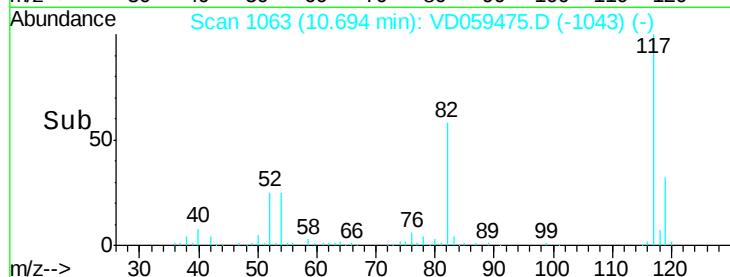
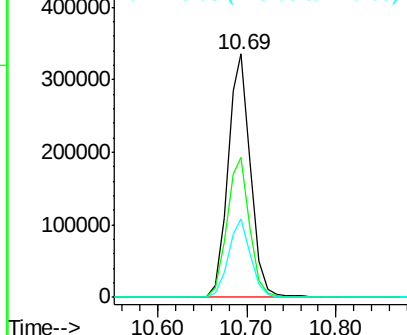
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VD059475.D
Acq: 28 Jun 2018 21:07

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 594864
Ion Ratio Lower Upper
117 100
82 57.6 49.0 73.6
119 32.5 26.2 39.4

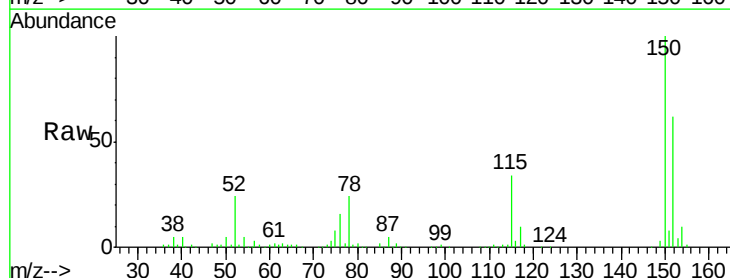


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

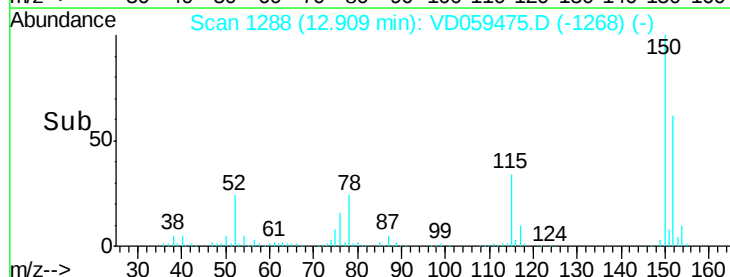
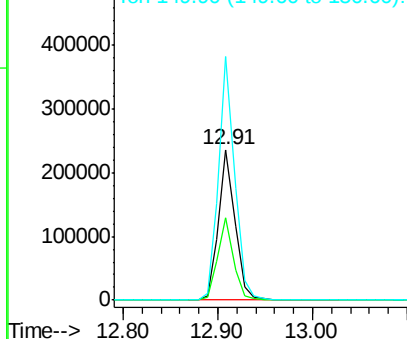


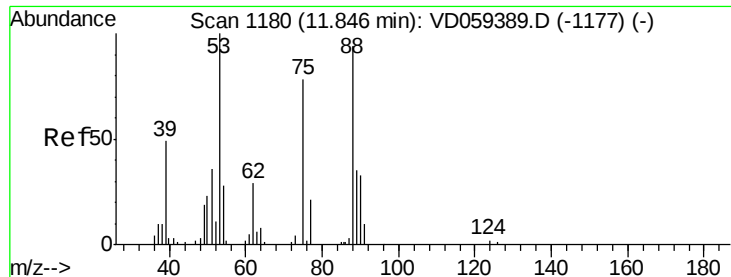
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VD059475.D
Acq: 28 Jun 2018 21:07

Tgt Ion:152 Resp: 286484
Ion Ratio Lower Upper
152 100
115 54.5 29.4 88.3
150 162.1 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: 128.072 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.09 min

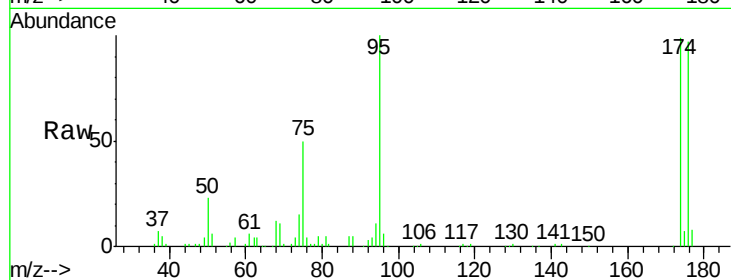
Lab File: VD059475.D

Acq: 28 Jun 2018 21:07

Instrument :

MSVOA_D

ClientSampleId :



Tot Ion: 75 Resp: 115030

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

