

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062618\
 Data File : VD059416.D
 Acq On : 26 Jun 2018 10:50
 Operator : VA/AP
 Sample : VD0626SBL01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 26 13:25:03 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	977545	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	6.68	114	1283015	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.68	117	1049460	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.90	152	545654	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	491566	49.17	ug/l	-0.02
Spiked Amount			Recovery	=	98.34%	
35) Dibromofluoromethane	5.54	113	512283	49.02	ug/l	-0.02
Spiked Amount			Recovery	=	98.04%	
50) Toluene-d8	8.70	98	1137645	46.57	ug/l	-0.02
Spiked Amount			Recovery	=	93.14%	
62) 4-Bromofluorobenzene	11.92	95	496127	48.82	ug/l	-0.02
Spiked Amount			Recovery	=	97.64%	

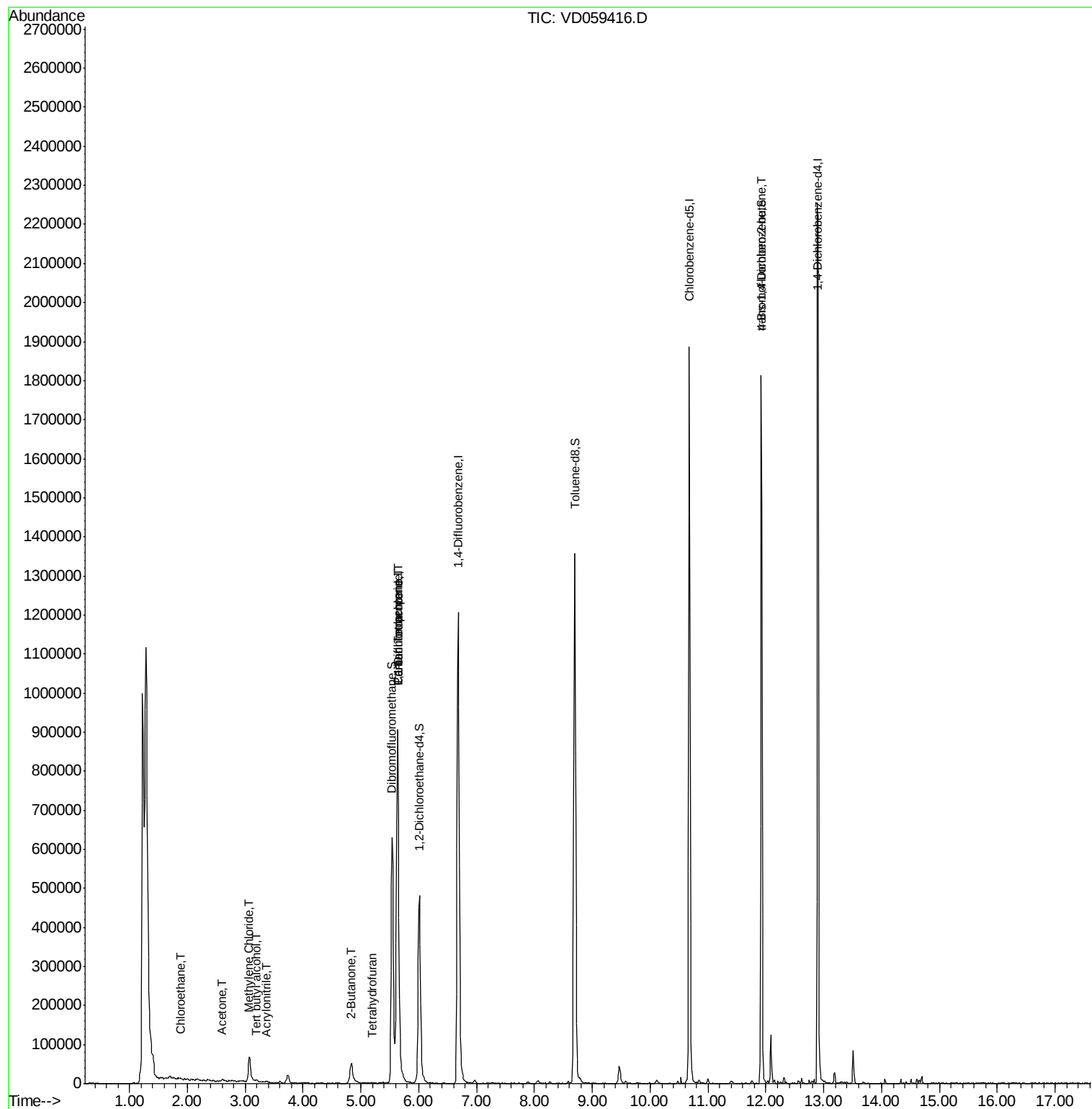
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.78	94	238	Below Cal	#	4
6) Chloroethane	1.88	64	257	2.02	ug/l #	41
11) Tert butyl alcohol	3.21	59	5205	15.05	ug/l #	72
15) Acrylonitrile	3.35	53	1182	1.11	ug/l #	78
16) Acetone	2.61	43	10136	8.03	ug/l #	80
18) Methyl Acetate	2.95	43	1584	Below Cal	#	66
20) Methylene Chloride	3.07	84	35907	8.17	ug/l	92
25) 2-Butanone	4.82	43	3294	1.25	ug/l #	57
29) Tetrahydrofuran	5.19	42	1960	1.36	ug/l #	56
31) Cyclohexane	5.63	56	22657	Below Cal	#	15
36) 1,1-Dichloropropene	5.64	75	78412	6.74	ug/l #	50
38) Carbon Tetrachloride	5.63	117	79009	6.58	ug/l #	16
81) trans-1,4-Dichloro-2-buten	11.92	75	237601	138.89	ug/l #	1

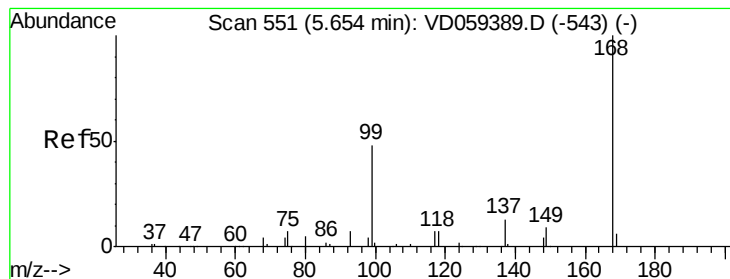
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062618\
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Quant Title : SW846 8260
QLast Update : Mon Jun 25 07:29:35 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.02 min

Lab File: VD059416.D

Acq: 26 Jun 2018 10:50

Instrument :

MSVOA_D

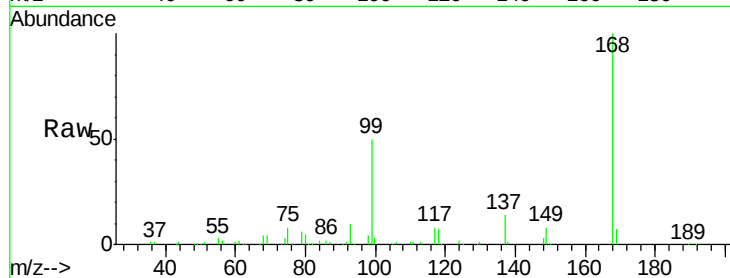
ClientSampleId :

Tot Ion:168 Resp: 977545

Ion Ratio Lower Upper

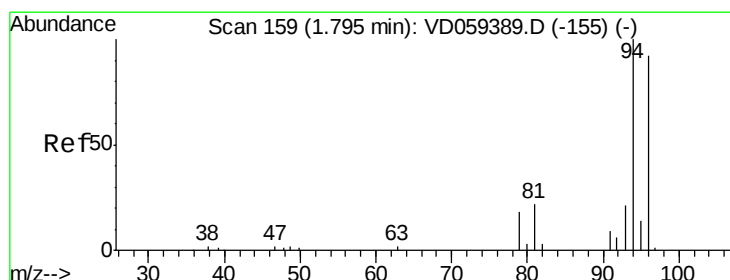
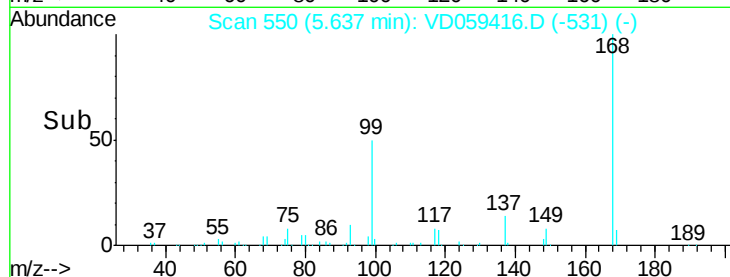
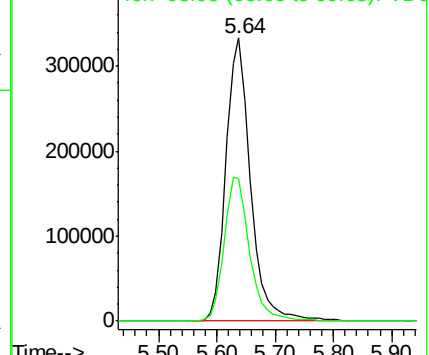
168 100

99 50.5 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: 1.78 min Scan# 158

Delta R.T. -0.02 min

Lab File: VD059416.D

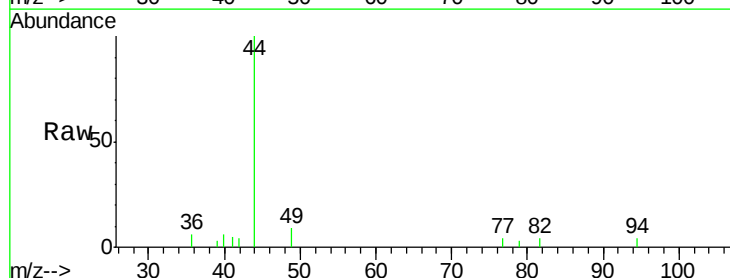
Acq: 26 Jun 2018 10:50

Tgt Ion: 94 Resp: 238

Ion Ratio Lower Upper

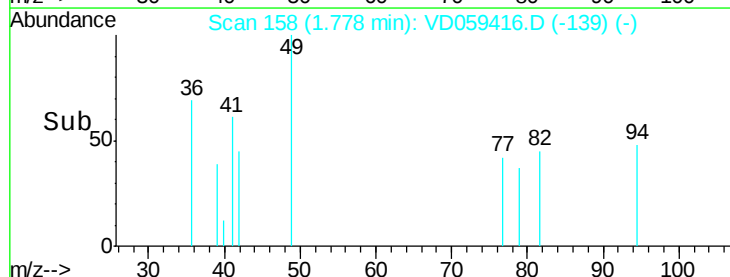
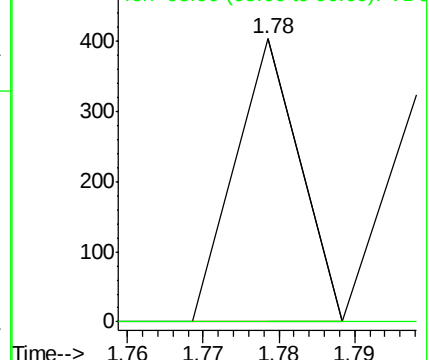
94 100

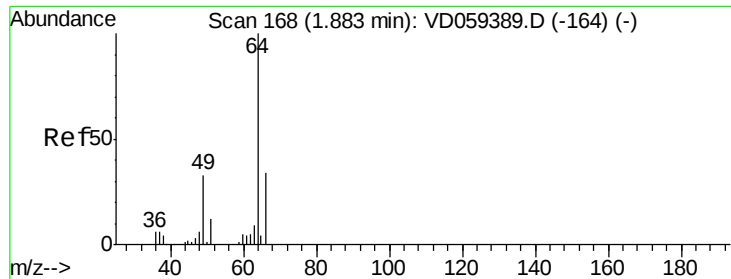
96 0.0 73.4 110.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#6

Chloroethane

Concen: 2.02 ug/l

RT: 1.88 min Scan# 168

Delta R.T. -0.01 min

Lab File: VD059416.D

Acq: 26 Jun 2018 10:50

Instrument :

MSVOA_D

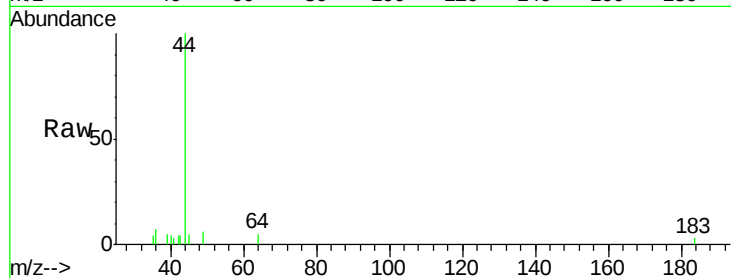
ClientSampled :

Tot Ion: 64 Resp: 257

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

1.88

400

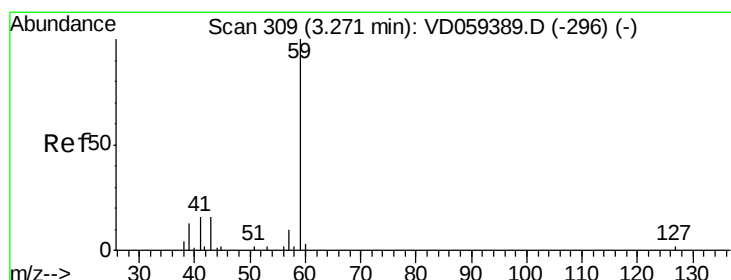
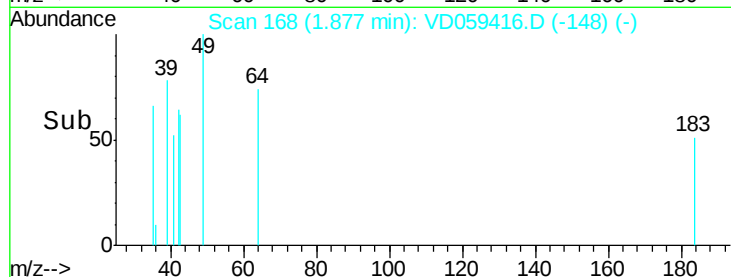
300

200

100

0

Time--> 1.84 1.86 1.88 1.90



#11

Tert butyl alcohol

Concen: 15.05 ug/l

RT: 3.21 min Scan# 303

Delta R.T. -0.07 min

Lab File: VD059416.D

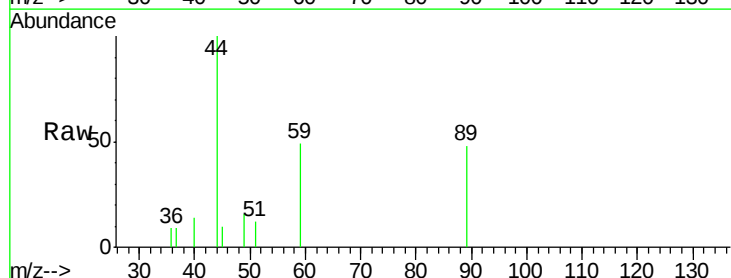
Acq: 26 Jun 2018 10:50

Tgt Ion: 59 Resp: 5205

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

3.21

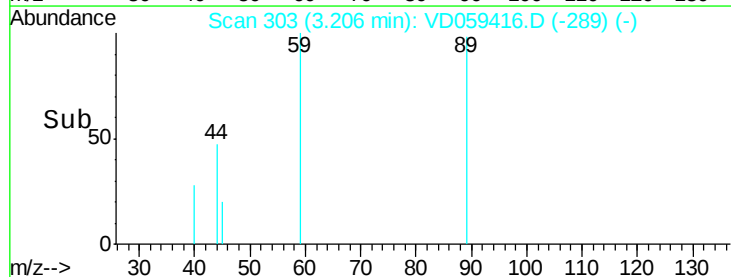
1500

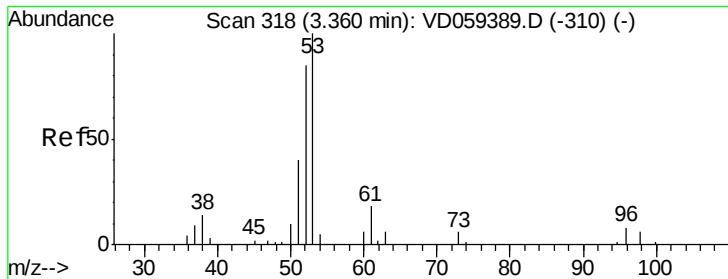
1000

500

0

Time--> 3.10 3.20 3.30





#15

Acrylonitrile

Concen: 1.11 ug/l

RT: 3.35 min Scan# 318

Delta R.T. -0.01 min

Lab File: VD059416.D

Acq: 26 Jun 2018 10:50

Instrument :

MSVOA_D

ClientSampleId :

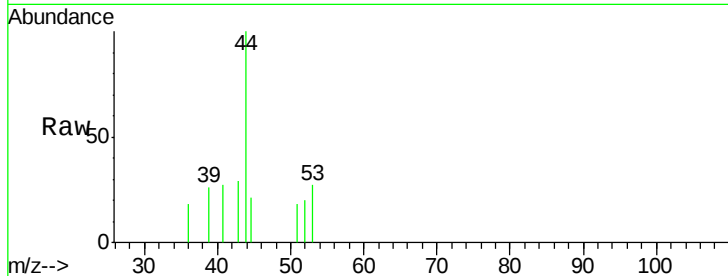
Tot Ion: 53 Resp: 1182

Ion Ratio Lower Upper

53 100

52 73.3 67.9 101.9

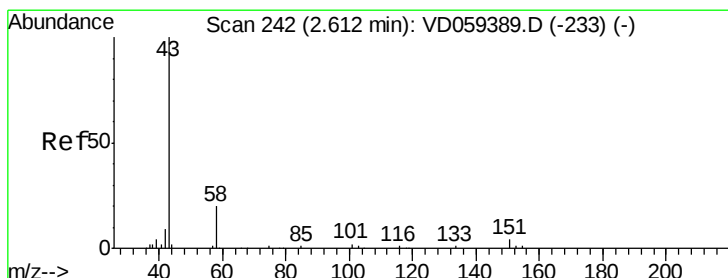
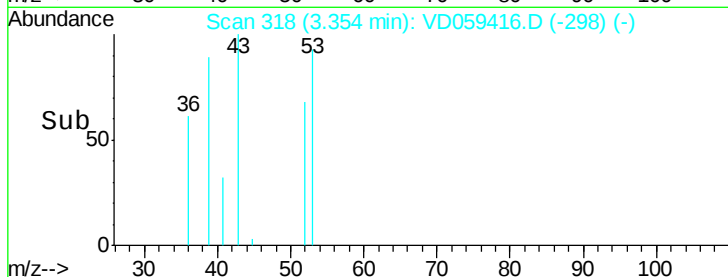
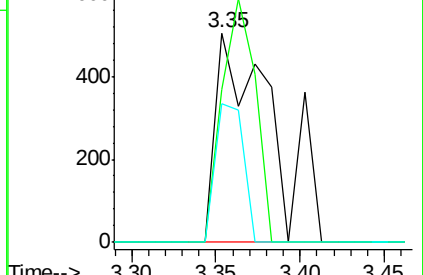
51 66.3 32.2 48.4#



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 8.03 ug/l

RT: 2.61 min Scan# 242

Delta R.T. -0.01 min

Lab File: VD059416.D

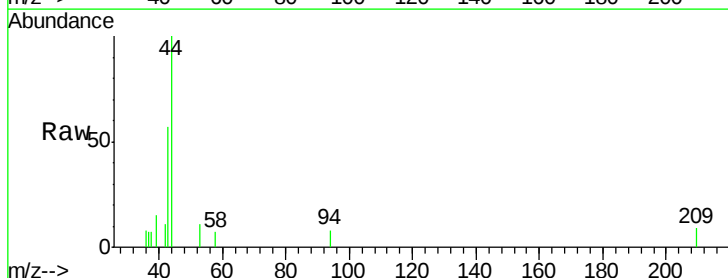
Acq: 26 Jun 2018 10:50

Tgt Ion: 43 Resp: 10136

Ion Ratio Lower Upper

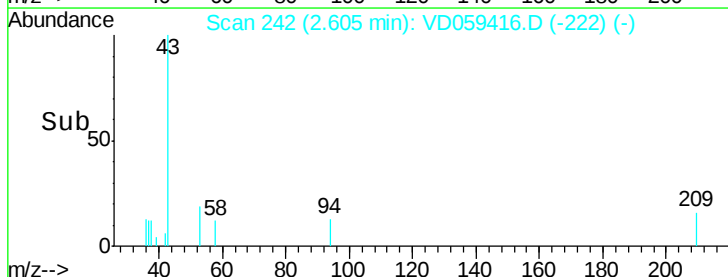
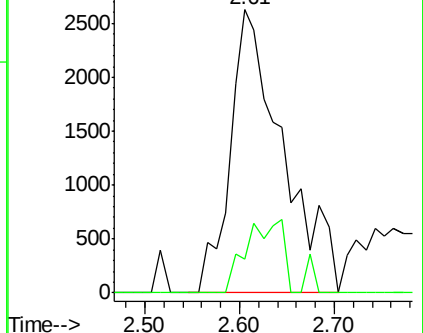
43 100

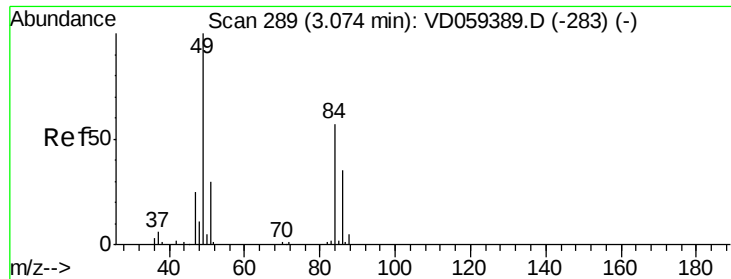
58 11.8 16.8 25.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#20

Methvlene Chloride

Concen: 8.17 ug/l

RT: 3.07 min Scan# 289

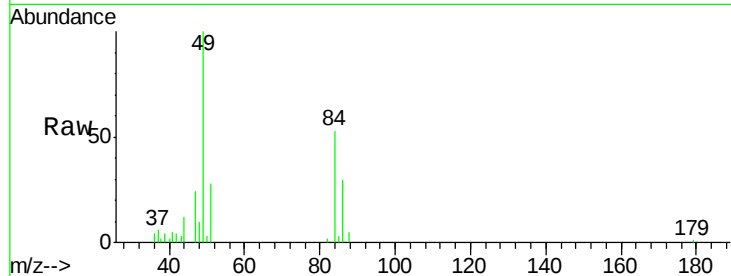
Delta R.T. -0.01 min

Lab File: VD059416.D

Acq: 26 Jun 2018 10:50

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	84	Resp:	35907
Ion	Ratio	Lower	Upper
84	100		
49	189.6	140.3	210.5
51	53.4	41.6	62.4
86	56.8	49.4	74.2

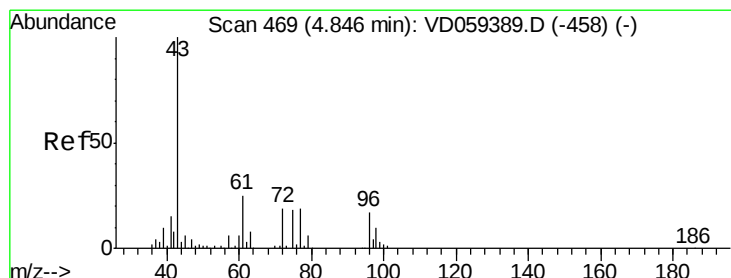
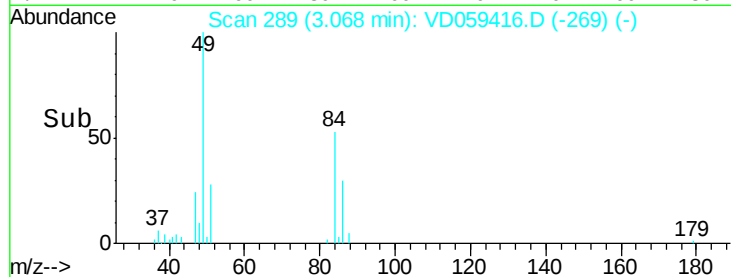
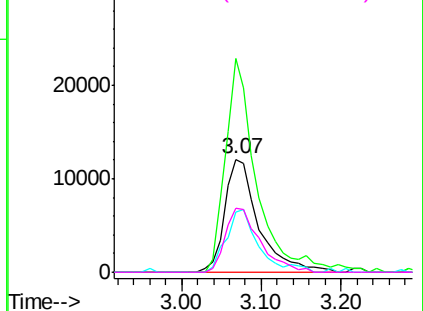


Abundance Ion 83.95 (83.65 to 84.65): VDC

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



#25

2-Butanone

Concen: 1.25 ug/l

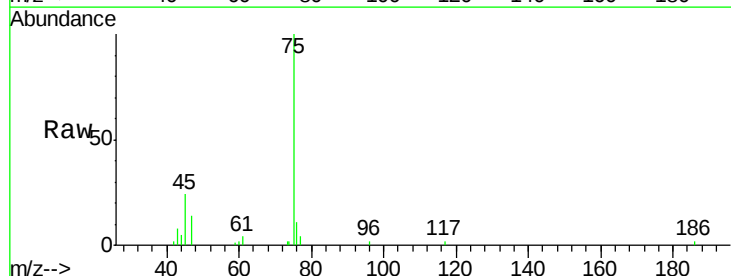
RT: 4.82 min Scan# 467

Delta R.T. -0.03 min

Lab File: VD059416.D

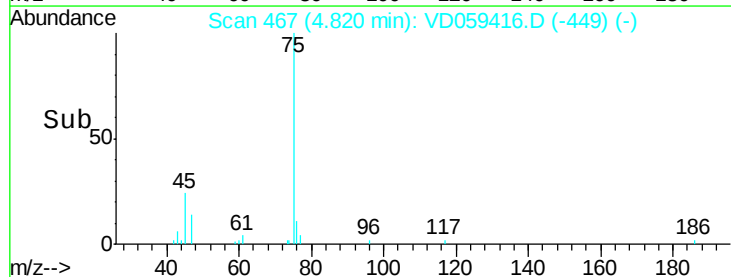
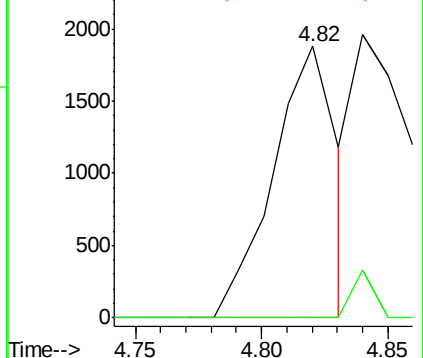
Acq: 26 Jun 2018 10:50

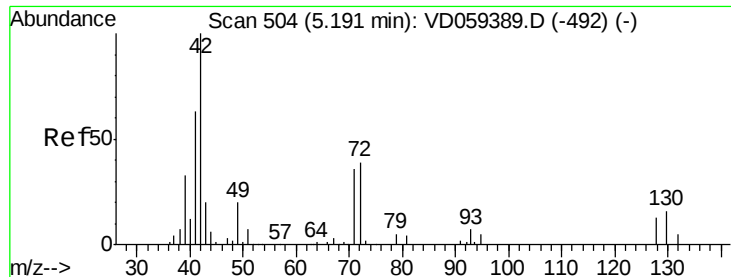
Tgt Ion:	43	Resp:	3294
Ion	Ratio	Lower	Upper
43	100		
72	0.0	15.4	23.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

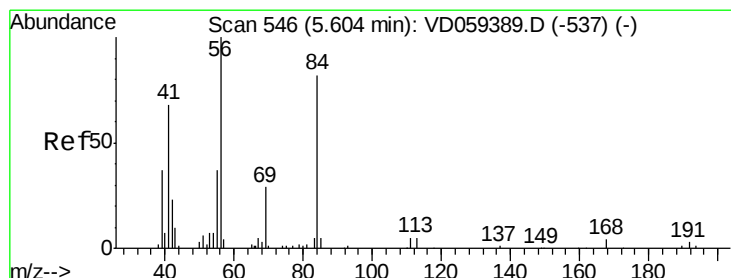
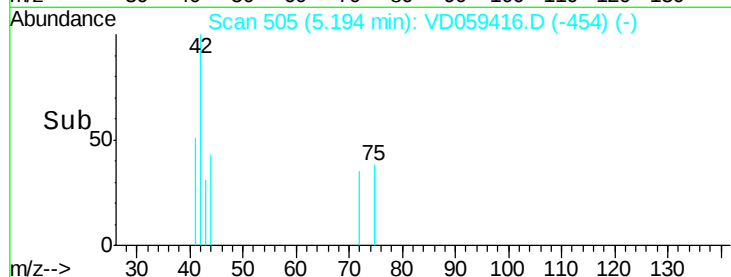
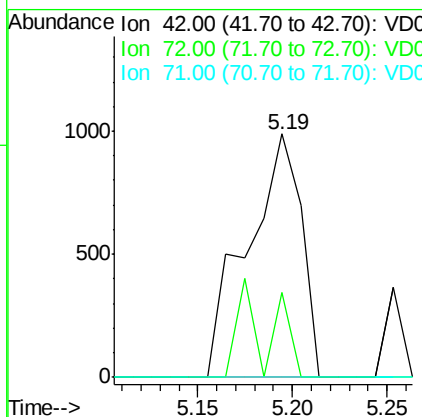
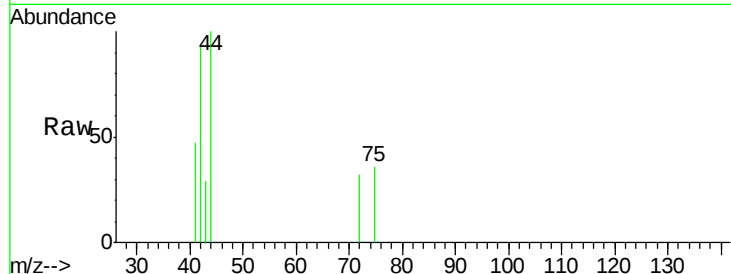




#29
Tetrahydrofuran
Concen: 1.36 ug/l
RT: 5.19 min Scan# 505
Delta R.T. 0.00 min
Lab File: VD059416.D
Acq: 26 Jun 2018 10:50

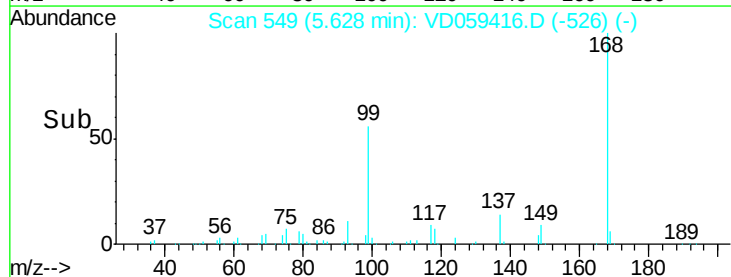
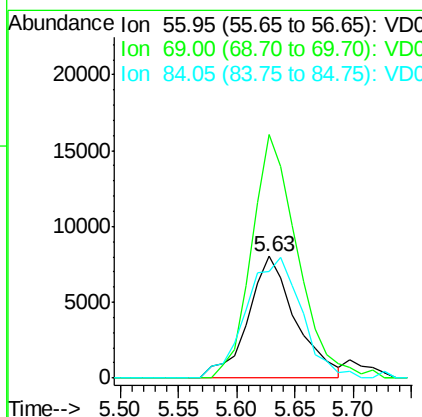
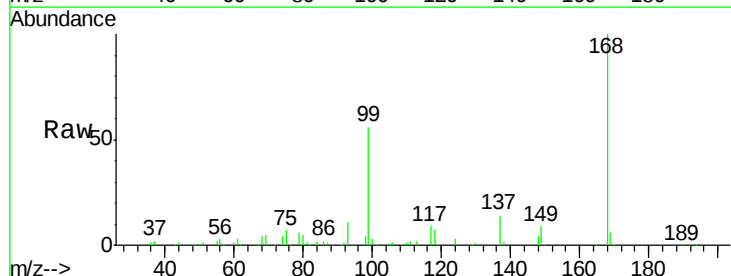
Instrument :
MSVOA_D
ClientSampled :

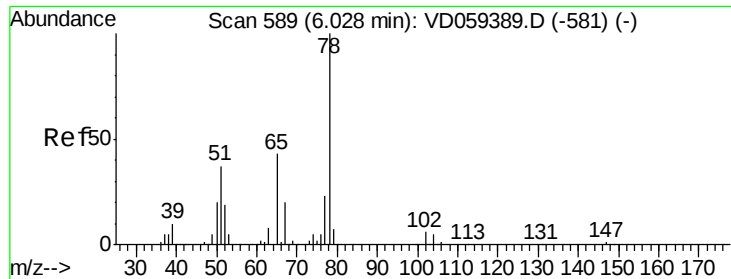
Tot Ion: 42 Resp: 1960
Ion Ratio Lower Upper
42 100
72 22.5 31.4 47.2#
71 0.0 29.7 44.5#



#31
Cyclohexane
Concen: Below Cal
RT: 5.63 min Scan# 549
Delta R.T. 0.02 min
Lab File: VD059416.D
Acq: 26 Jun 2018 10:50

Tgt Ion: 56 Resp: 22657
Ion Ratio Lower Upper
56 100
69 200.5 22.9 34.3#
84 87.7 67.3 100.9





#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 6.01 min Scan# 588

Delta R.T. -0.02 min

Lab File: VD059416.D

Acq: 26 Jun 2018 10:50

Instrument :

MSVOA_D

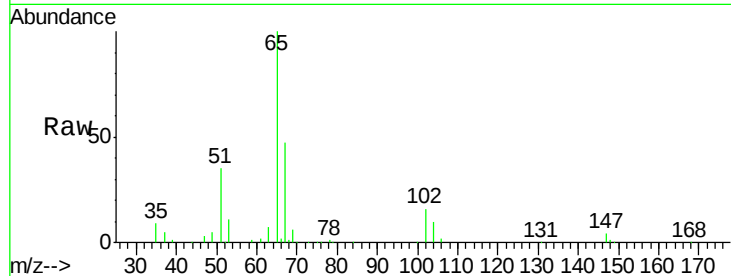
ClientSampleId :

Tot Ion: 65 Resp: 491566

Ion Ratio Lower Upper

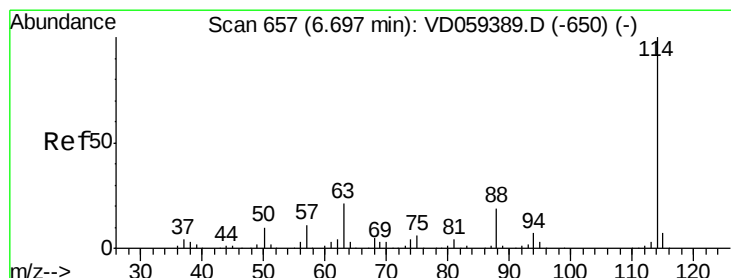
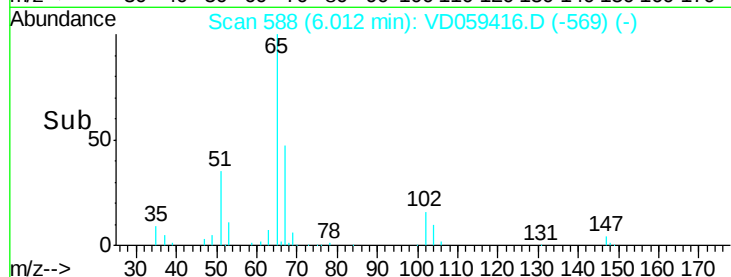
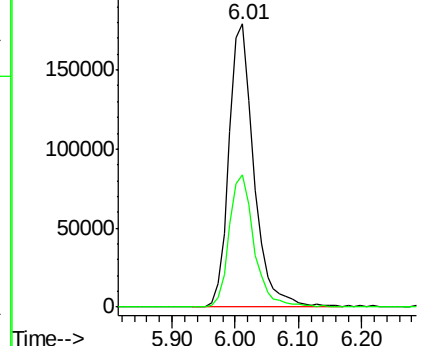
65 100

67 46.7 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: 50.00 ug/l

RT: 6.68 min Scan# 656

Delta R.T. -0.02 min

Lab File: VD059416.D

Acq: 26 Jun 2018 10:50

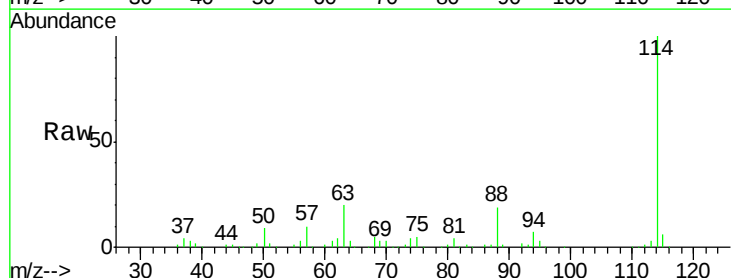
Tgt Ion: 114 Resp: 1283015

Ion Ratio Lower Upper

114 100

63 20.1 0.0 42.4

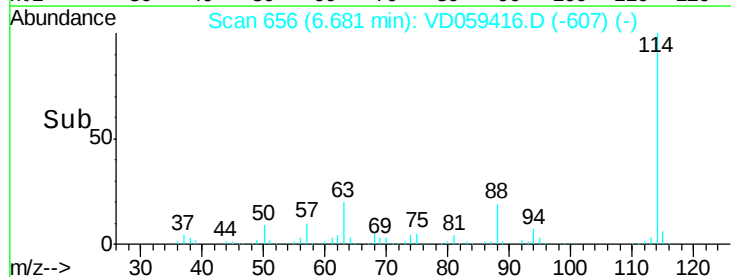
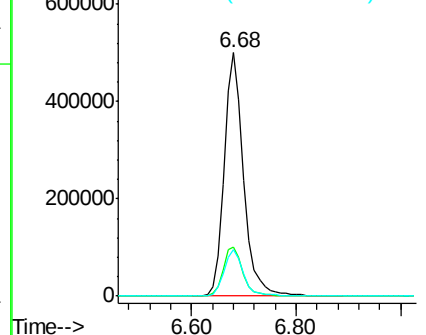
88 18.9 0.0 38.0

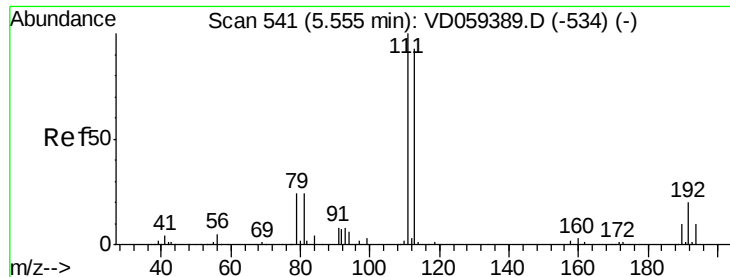


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

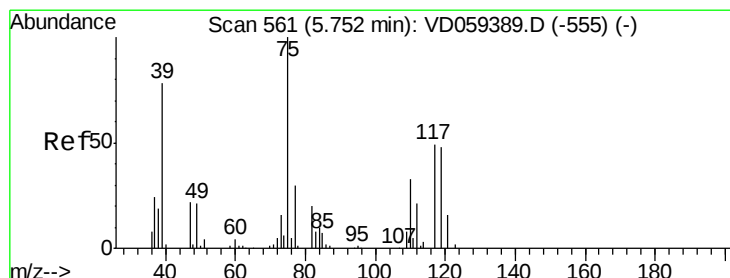
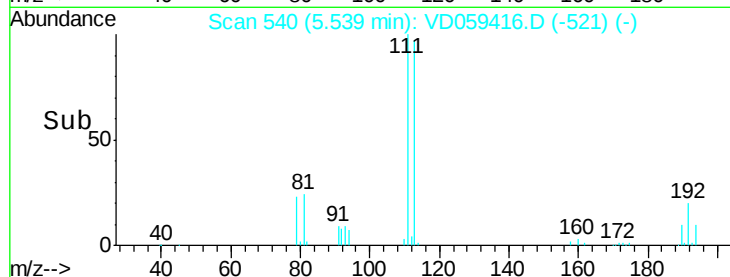
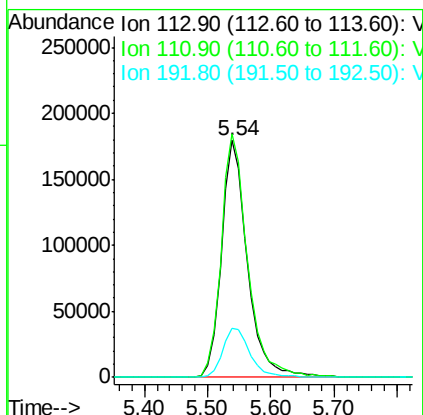
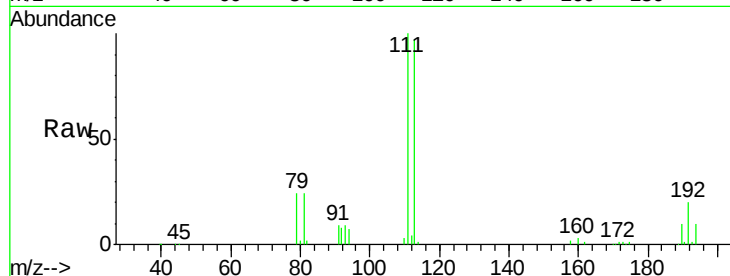




#35
Dibromofluoromethane
Concen: 50.00 ug/l
RT: 5.54 min Scan# 540
Delta R.T. -0.02 min
Lab File: VD059416.D
Acq: 26 Jun 2018 10:50

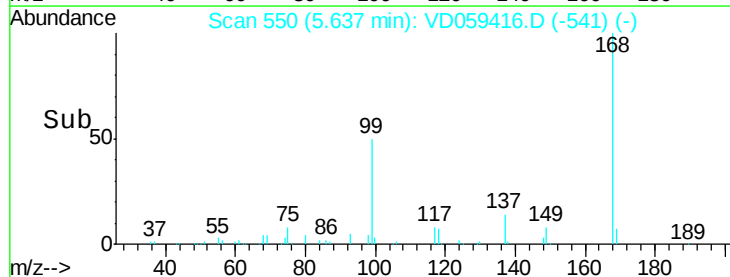
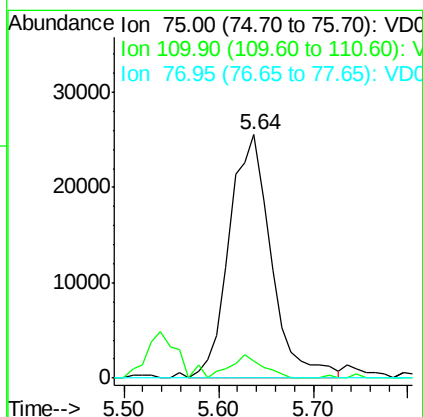
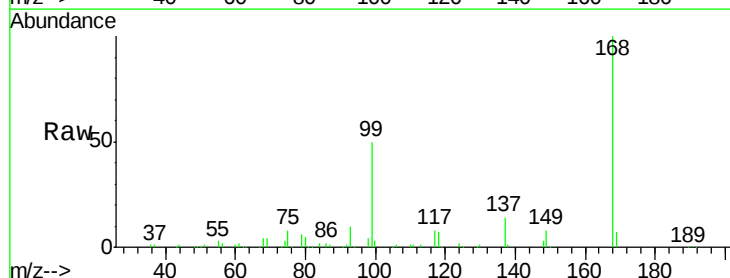
Instrument :
MSVOA_D
ClientSampleId :

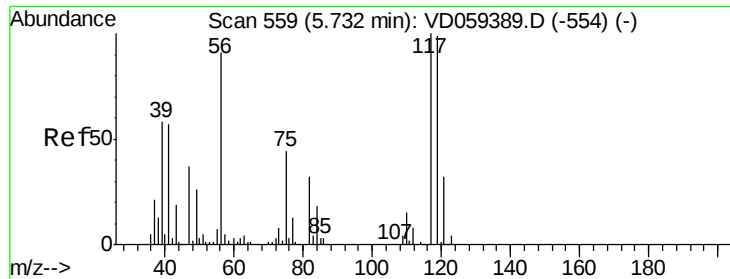
Tot Ion:113 Resp: 512283
Ion Ratio Lower Upper
113 100
111 102.7 85.7 128.5
192 20.8 16.9 25.3



#36
1,1-Dichloropropene
Concen: 6.74 ug/l
RT: 5.64 min Scan# 550
Delta R.T. -0.11 min
Lab File: VD059416.D
Acq: 26 Jun 2018 10:50

Tgt Ion: 75 Resp: 78412
Ion Ratio Lower Upper
75 100
110 7.1 16.1 48.2#
77 0.0 23.4 35.2#

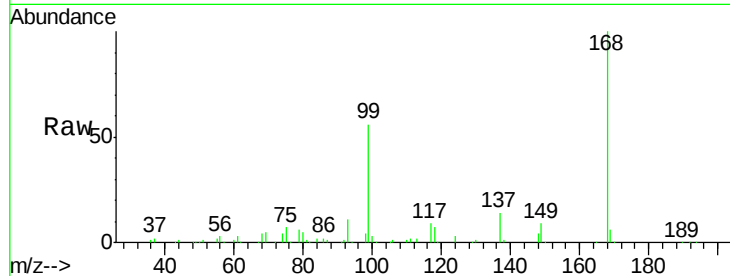




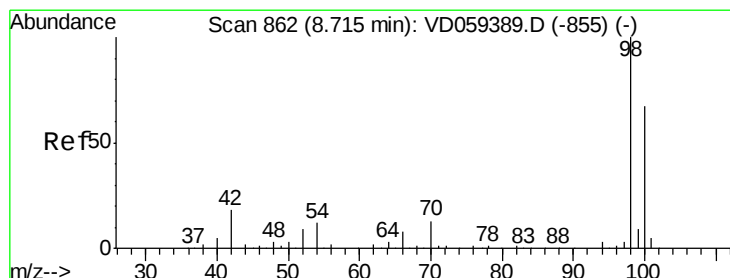
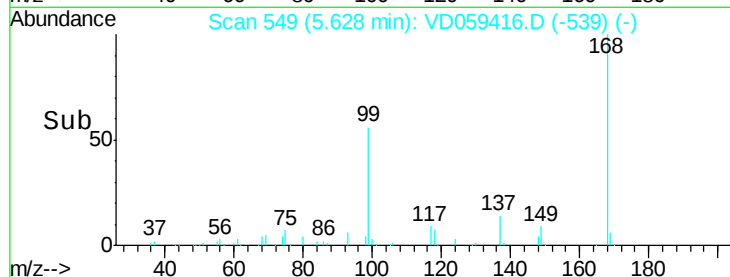
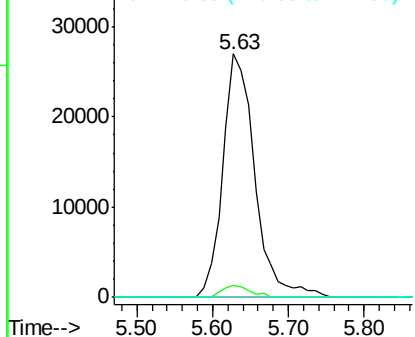
#38
Carbon Tetrachloride
Concen: 6.58 ug/l
RT: 5.63 min Scan# 549
Delta R.T. -0.10 min
Lab File: VD059416.D
Acq: 26 Jun 2018 10:50

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 79009
Ion Ratio Lower Upper
117 100
119 5.0 76.6 115.0#
121 0.0 25.0 37.4#

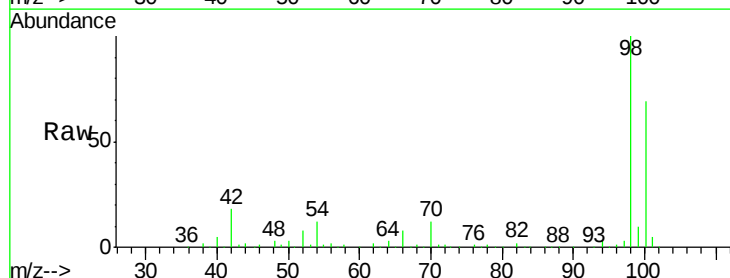


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

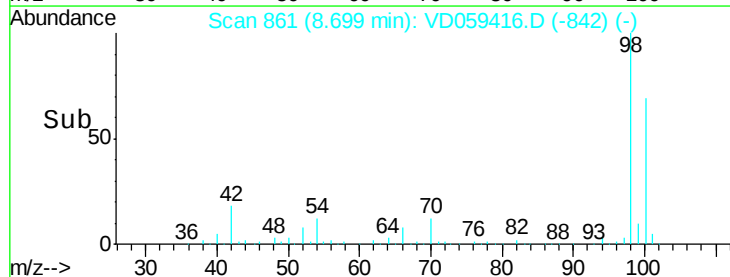
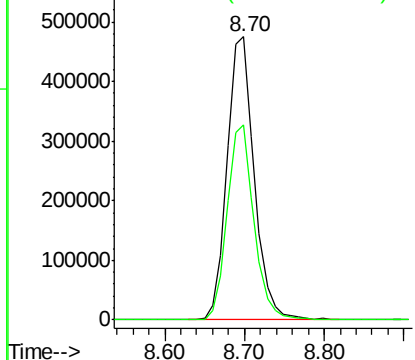


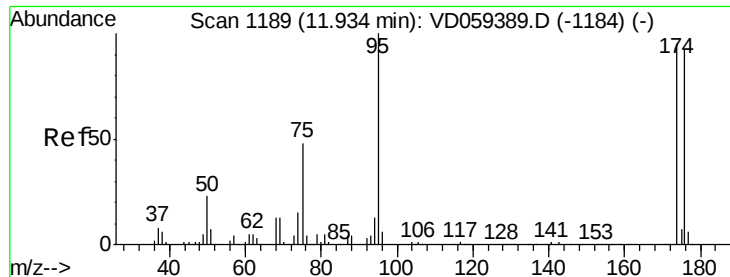
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.70 min Scan# 861
Delta R.T. -0.02 min
Lab File: VD059416.D
Acq: 26 Jun 2018 10:50

Tgt Ion: 98 Resp: 1137645
Ion Ratio Lower Upper
98 100
100 69.0 54.4 81.6



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





#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 11.92 min Scan# 1188

Delta R.T. -0.02 min

Lab File: VD059416.D

Acq: 26 Jun 2018 10:50

Instrument :

MSVOA_D

ClientSampled :

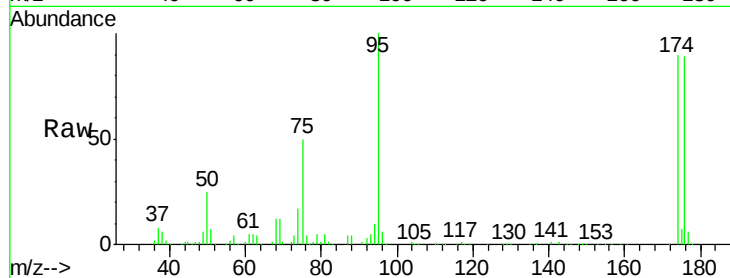
Tot Ion: 95 Resp: 496127

Ion Ratio Lower Upper

95 100

174 90.1 0.0 190.4

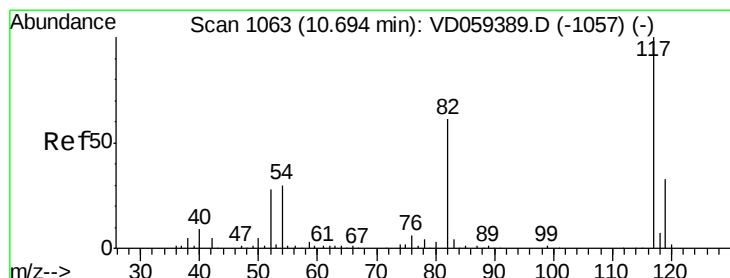
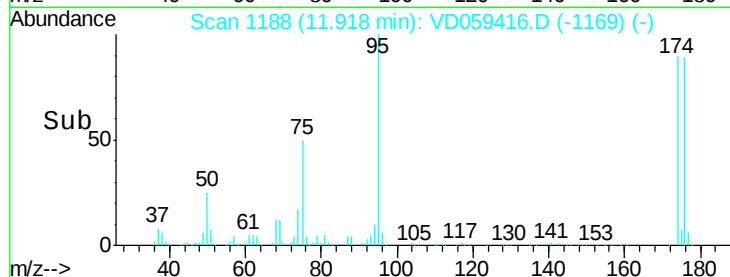
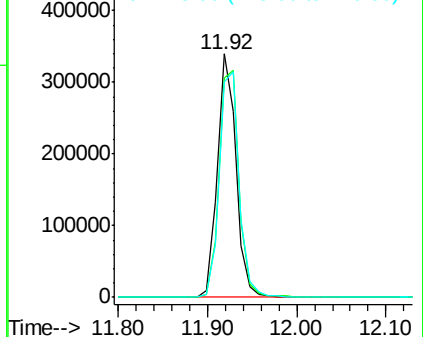
176 88.5 0.0 183.2



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: 50.00 ug/l

RT: 10.68 min Scan# 1062

Delta R.T. -0.02 min

Lab File: VD059416.D

Acq: 26 Jun 2018 10:50

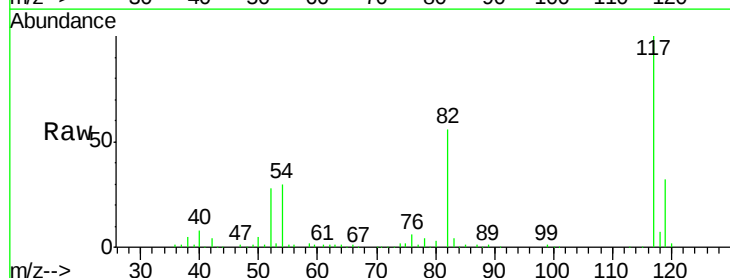
Tgt Ion: 117 Resp: 1049460

Ion Ratio Lower Upper

117 100

82 56.4 49.0 73.6

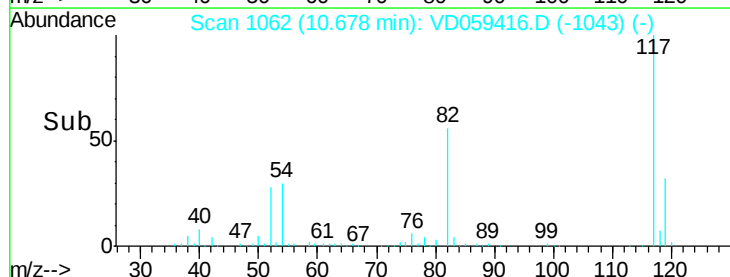
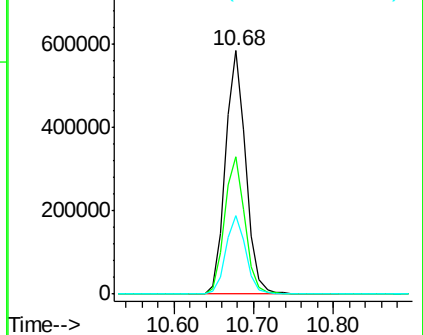
119 32.4 26.2 39.4

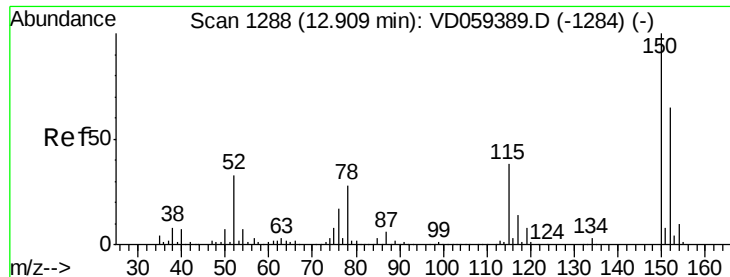


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.90 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VD059416.D

Acq: 26 Jun 2018 10:50

Instrument :

MSVOA_D

ClientSampleId :

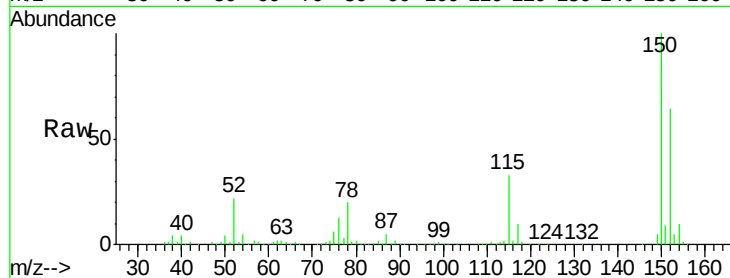
Tot Ion:152 Resp: 545654

Ion Ratio Lower Upper

152 100

115 50.5 29.4 88.3

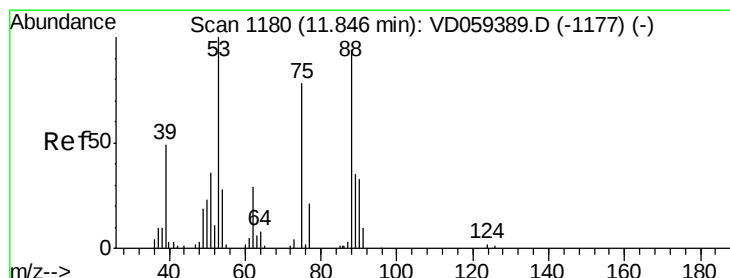
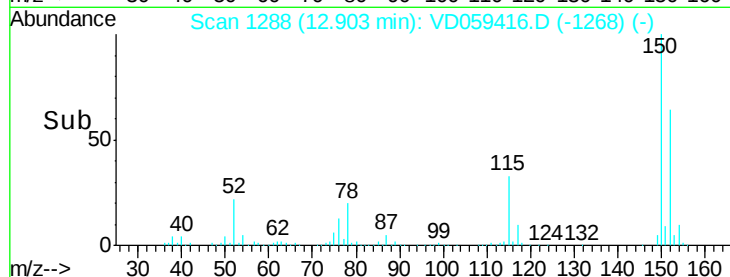
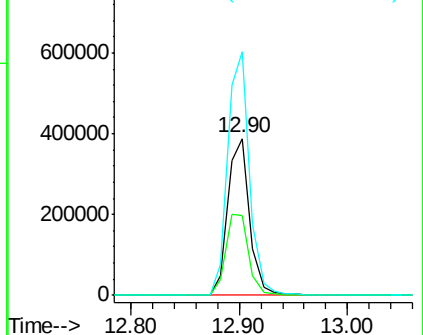
150 155.2 0.0 308.2



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: 138.89 ug/l

RT: 11.92 min Scan# 1188

Delta R.T. 0.07 min

Lab File: VD059416.D

Acq: 26 Jun 2018 10:50

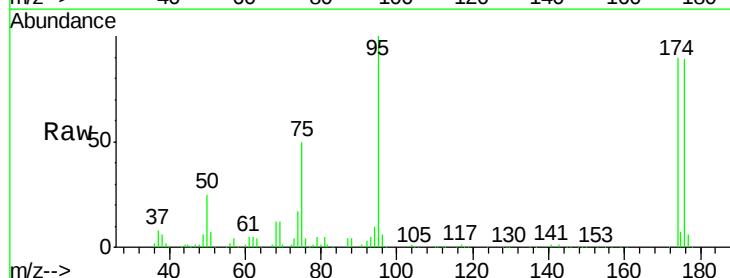
Tgt Ion: 75 Resp: 237601

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

