

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062518\
 Data File : VD059406.D
 Acq On : 25 Jun 2018 18:37
 Operator : VA/AP
 Sample : J3671-22
 Misc : 6.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 26 06:47:59 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	5.63	168	711356	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	6.67	114	931979	50.00	ug/l	-0.03
63) Chlorobenzene-d5	10.68	117	798698	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.90	152	427943	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.00	65	311001	42.75	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	85.50%	
35) Dibromofluoromethane	5.53	113	314529	41.43	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	82.86%	
50) Toluene-d8	8.70	98	676017	38.09	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	76.18%	
62) 4-Bromofluorobenzene	11.92	95	314800	42.65	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	85.30%	

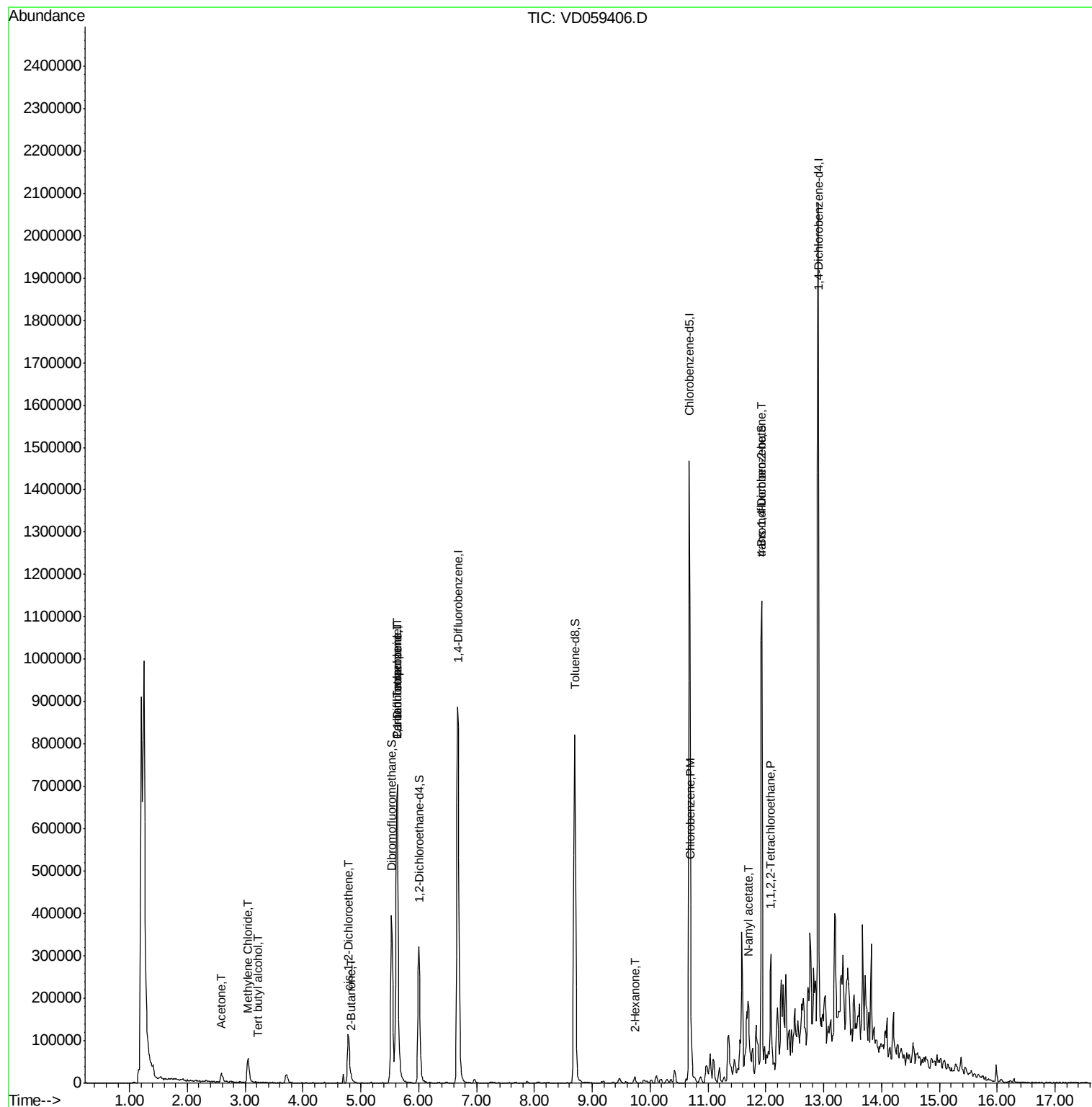
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.79	94	482	Below Cal	#	4
11) Tert butyl alcohol	3.22	59	523	2.078	ug/l #	72
16) Acetone	2.59	43	42174	45.935	ug/l #	87
18) Methyl Acetate	2.92	43	1621	Below Cal	#	66
20) Methylene Chloride	3.05	84	27678	8.815	ug/l	96
25) 2-Butanone	4.84	43	3812	1.982	ug/l #	57
27) cis-1,2-Dichloroethene	4.78	96	65093	9.347	ug/l	85
31) Cyclohexane	5.62	56	16517	Below Cal	#	1
36) 1,1-Dichloropropene	5.62	75	52514	6.211	ug/l #	52
38) Carbon Tetrachloride	5.63	117	59136	6.784	ug/l #	15
59) 2-Hexanone	9.72	43	9373	3.061	ug/l #	30
65) Chlorobenzene	10.71	112	35249	2.414	ug/l	89
74) N-amyl acetate	11.69	43	50786	5.527	ug/l #	53
75) 1,1,2,2-Tetrachloroethane	12.08	83	13216	2.333	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.92	75	148728	110.854	ug/l #	1

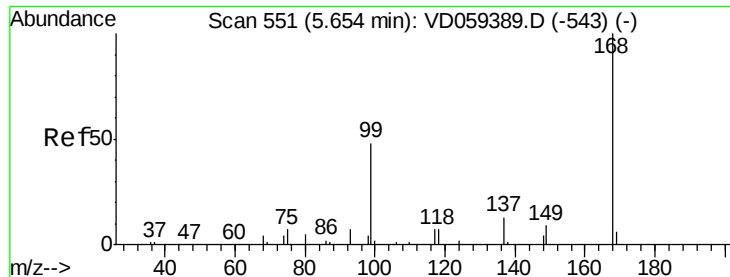
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062518\
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Acq On : 25 Jun 2018 18:37
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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: 5.63 min Scan# 549

Delta R.T. -0.03 min

Lab File: VD059406.D

Acq: 25 Jun 2018 18:37

Instrument :

MSVOA_D

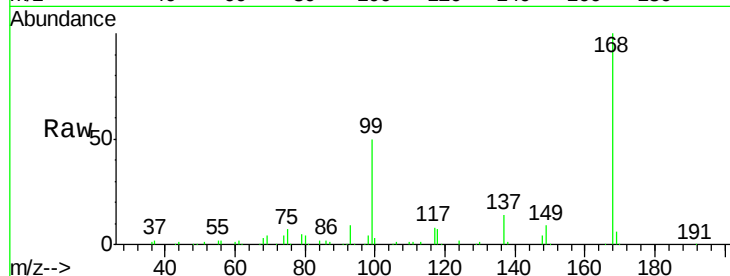
ClientSampleId :

Tot Ion:168 Resp: 711356

Ion Ratio Lower Upper

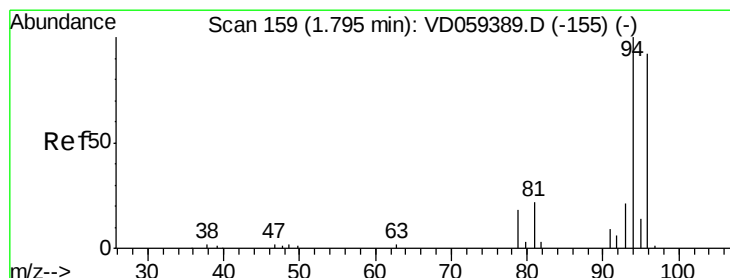
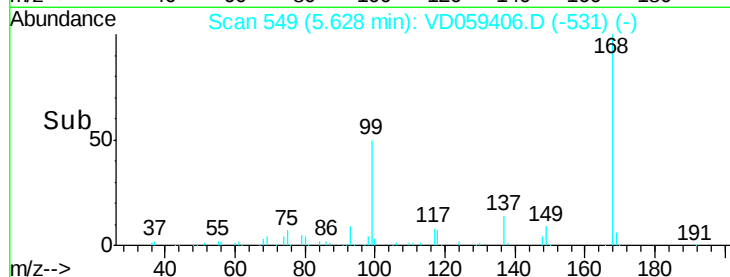
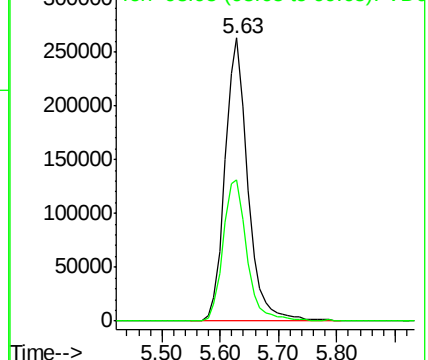
168 100

99 50.1 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: 1.79 min Scan# 159

Delta R.T. -0.01 min

Lab File: VD059406.D

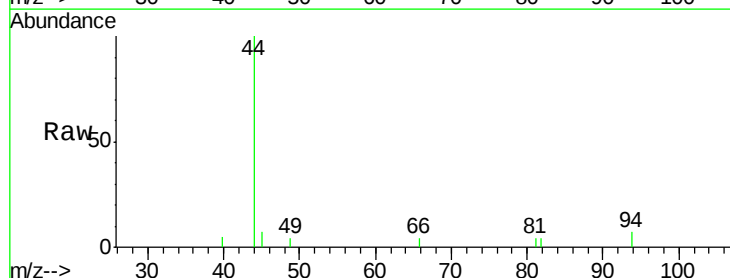
Acq: 25 Jun 2018 18:37

Tgt Ion: 94 Resp: 482

Ion Ratio Lower Upper

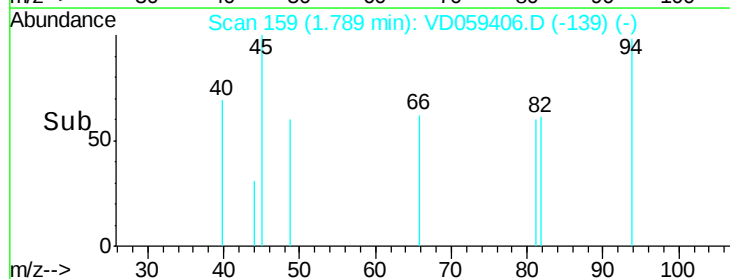
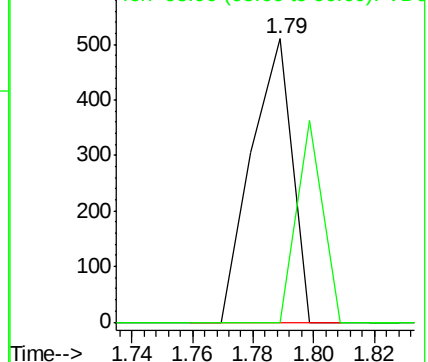
94 100

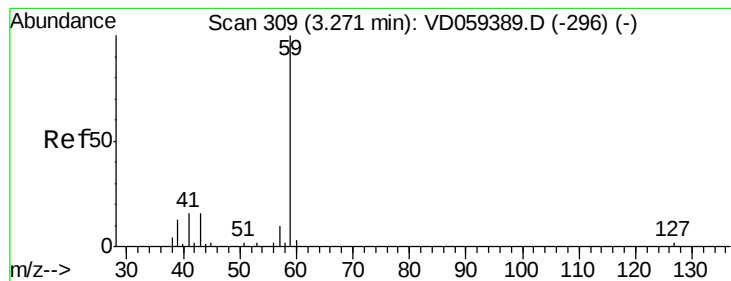
96 0.0 73.4 110.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



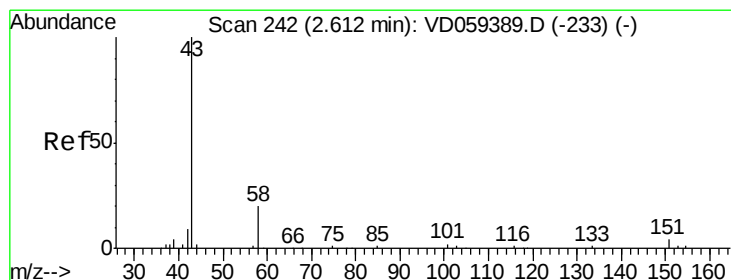
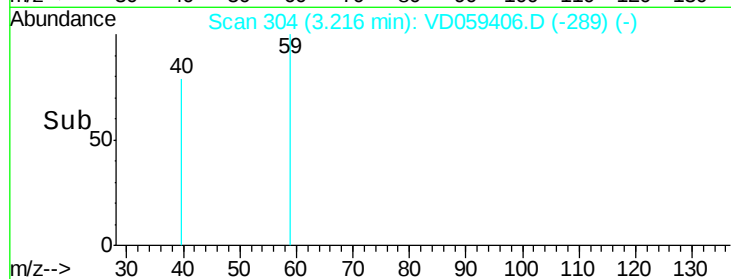
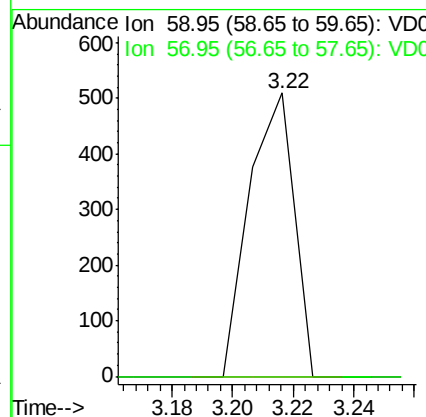
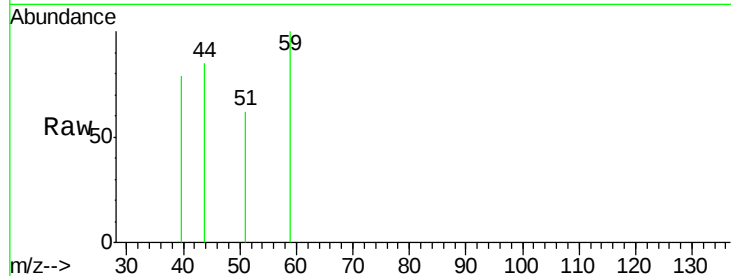


#11

Tert butyl alcohol
 Concen: 2.078 ug/l
 RT: 3.22 min Scan# 304
 Delta R.T. -0.05 min
 Lab File: VD059406.D
 Acq: 25 Jun 2018 18:37

Instrument :
 MSVOA_D
 ClientSampleId :

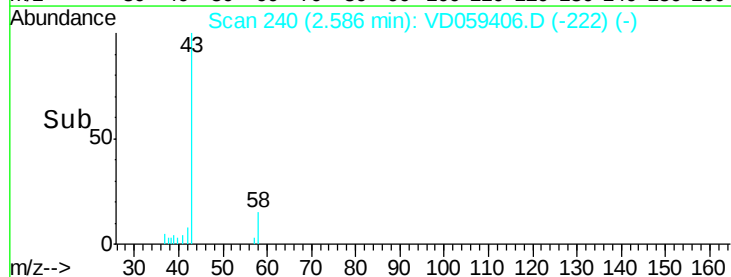
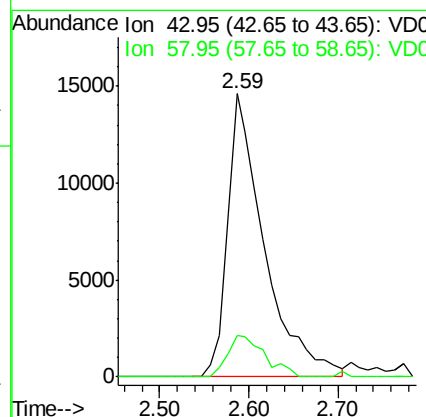
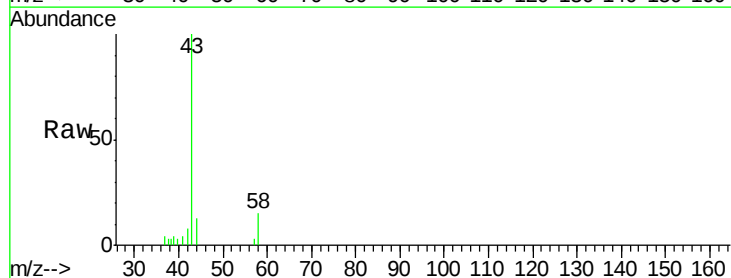
Tot Ion: 59 Resp: 523
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

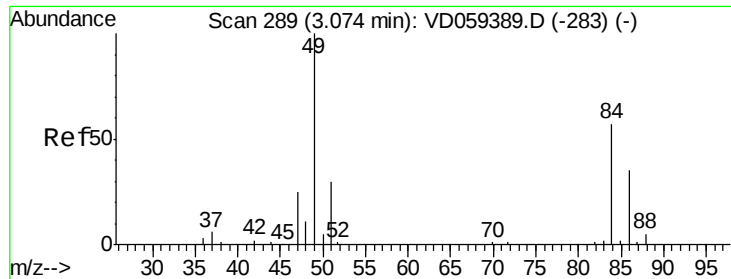


#16

Acetone
 Concen: 45.935 ug/l
 RT: 2.59 min Scan# 240
 Delta R.T. -0.03 min
 Lab File: VD059406.D
 Acq: 25 Jun 2018 18:37

Tgt Ion: 43 Resp: 42174
 Ion Ratio Lower Upper
 43 100
 58 14.7 16.8 25.2#

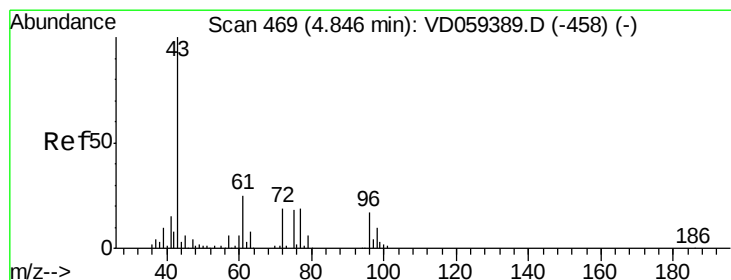
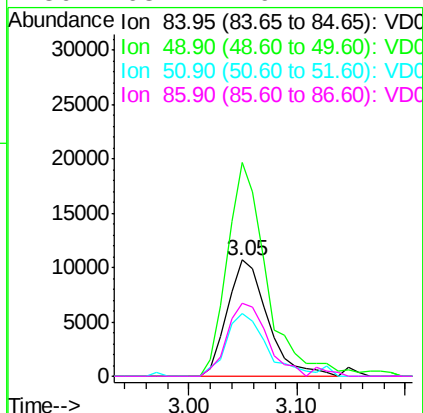
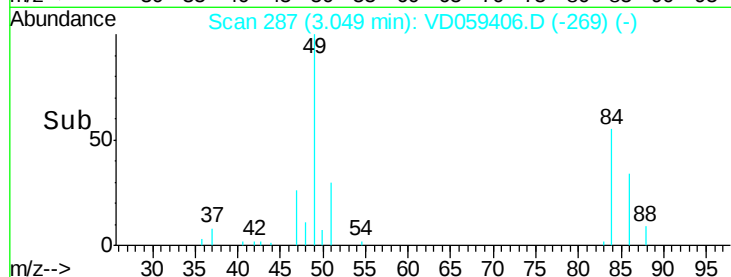
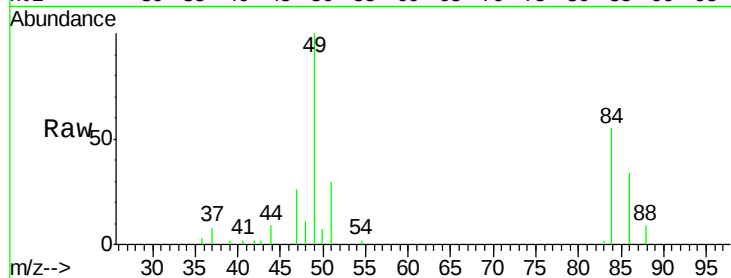




#20
Methvlene Chloride
Concen: 8.815 ug/l
RT: 3.05 min Scan# 287
Delta R.T. -0.02 min
Lab File: VD059406.D
Acq: 25 Jun 2018 18:37

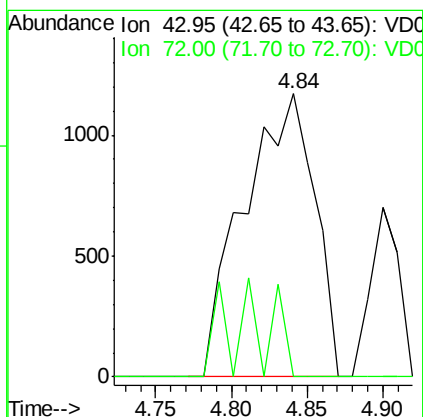
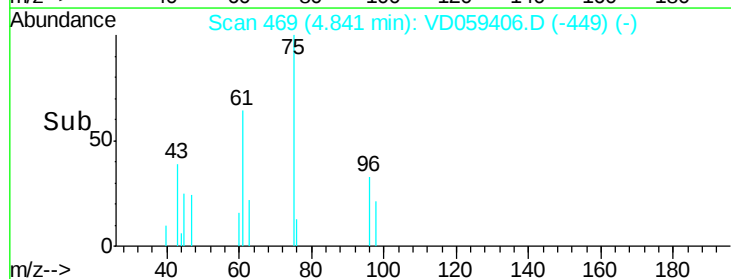
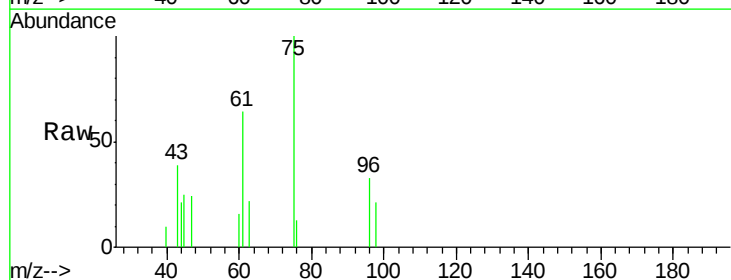
Instrument :
MSVOA_D
ClientSampleId :

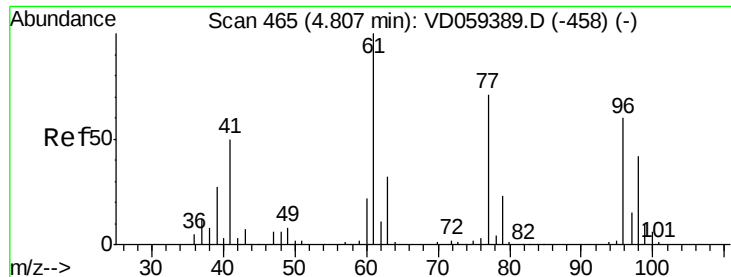
Tot Ion: 84 Resp: 27678
Ion Ratio Lower Upper
84 100
49 183.4 140.3 210.5
51 54.4 41.6 62.4
86 63.2 49.4 74.2



#25
2-Butanone
Concen: 1.982 ug/l
RT: 4.84 min Scan# 469
Delta R.T. -0.01 min
Lab File: VD059406.D
Acq: 25 Jun 2018 18:37

Tgt Ion: 43 Resp: 3812
Ion Ratio Lower Upper
43 100
72 0.0 15.4 23.2#



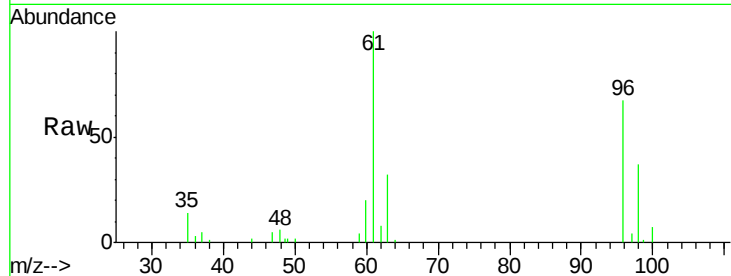


#27

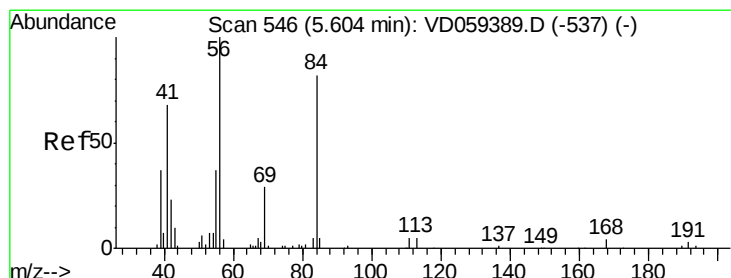
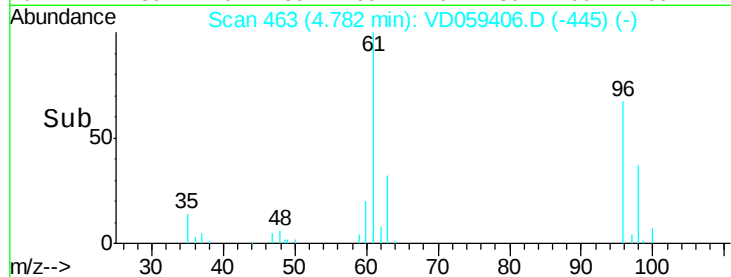
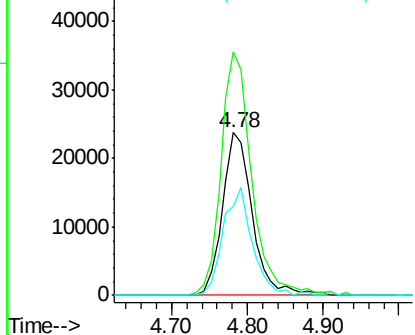
cis-1,2-Dichloroethene
Concen: 9.347 ug/l
RT: 4.78 min Scan# 463
Delta R.T. -0.03 min
Lab File: VD059406.D
Acq: 25 Jun 2018 18:37

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 96 Resp: 65093
Ion Ratio Lower Upper
96 100
61 149.7 0.0 335.8
98 54.9 0.0 141.0



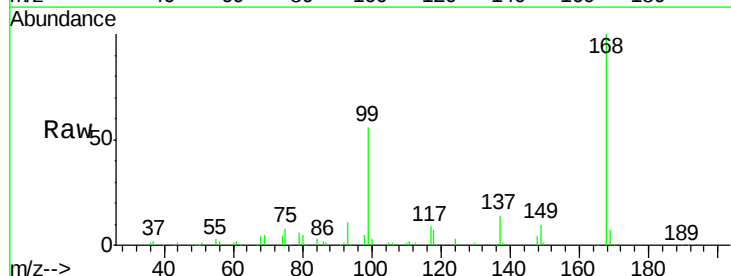
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



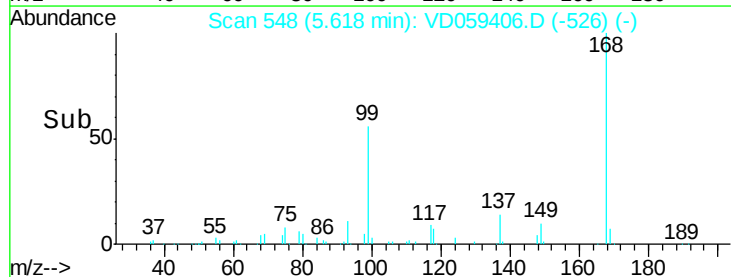
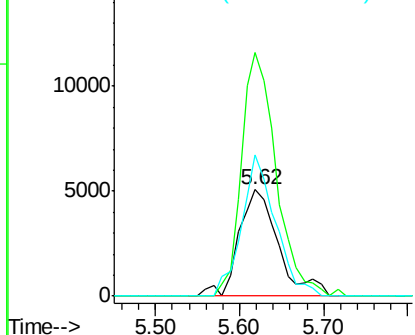
#31

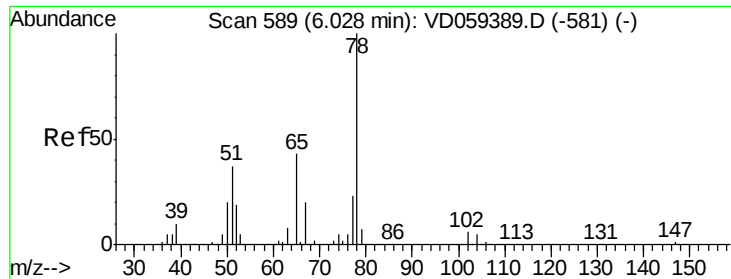
Cyclohexane
Concen: Below Cal
RT: 5.62 min Scan# 548
Delta R.T. 0.01 min
Lab File: VD059406.D
Acq: 25 Jun 2018 18:37

Tgt Ion: 56 Resp: 16517
Ion Ratio Lower Upper
56 100
69 229.0 22.9 34.3#
84 133.2 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: Below ug/l

RT: 6.00 min Scan# 587

Delta R.T. -0.03 min

Lab File: VD059406.D

Acq: 25 Jun 2018 18:37

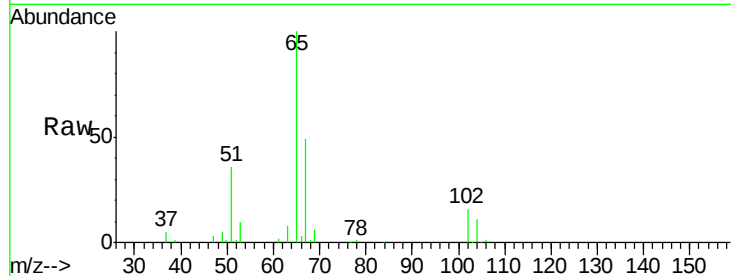
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 65 Resp: 311001

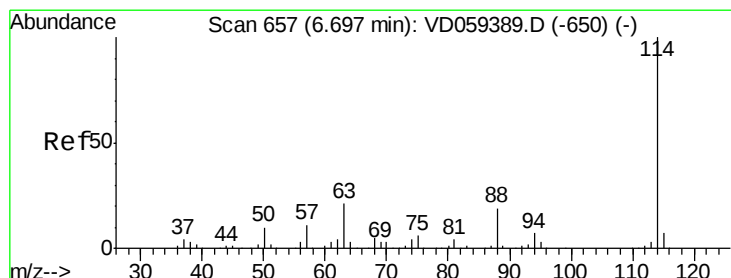
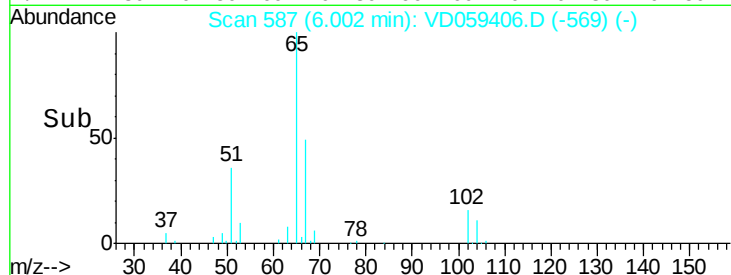
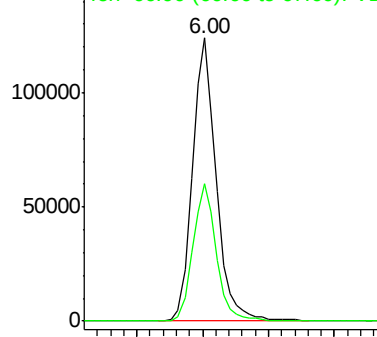
Ion Ratio Lower Upper

65 100

67 48.5 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: 6.67 min Scan# 655

Delta R.T. -0.03 min

Lab File: VD059406.D

Acq: 25 Jun 2018 18:37

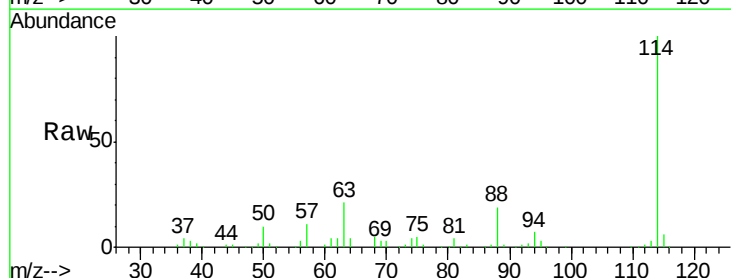
Tgt Ion: 114 Resp: 931979

Ion Ratio Lower Upper

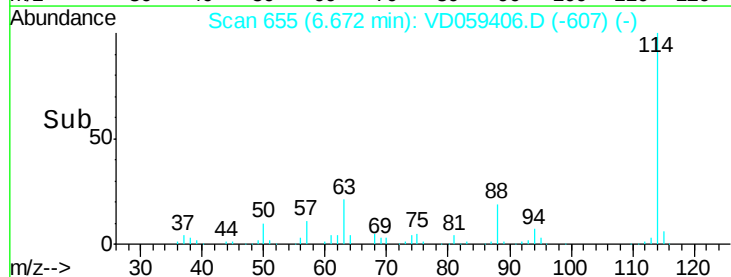
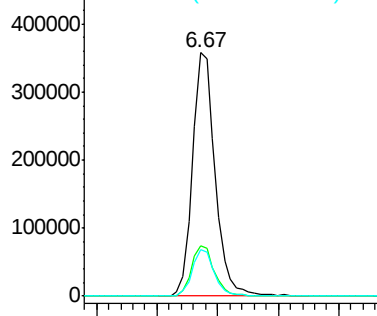
114 100

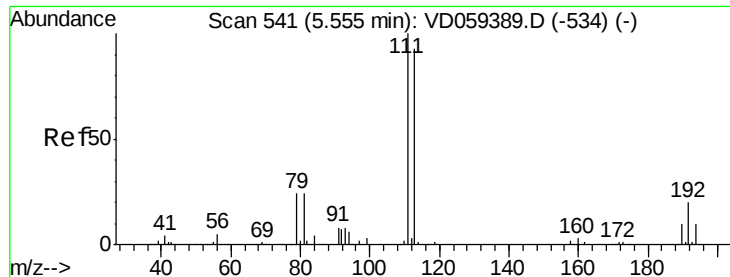
63 20.6 0.0 42.4

88 19.0 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

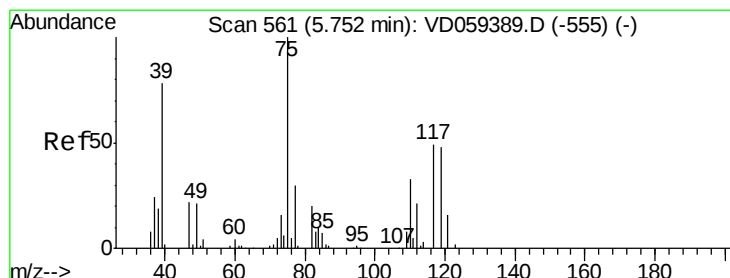
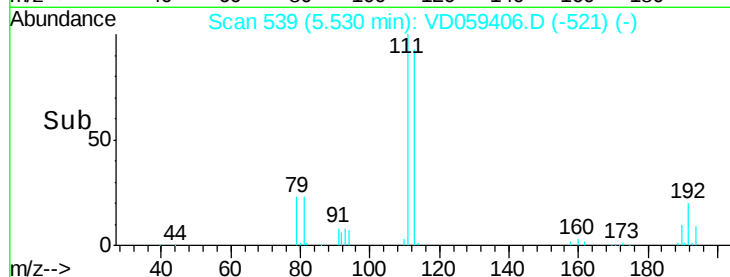
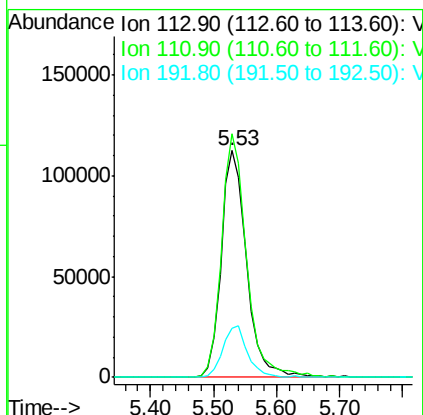
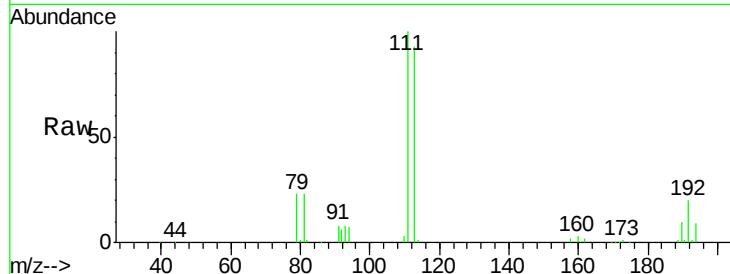




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.53 min Scan# 539
 Delta R.T. -0.03 min
 Lab File: VD059406.D
 Acq: 25 Jun 2018 18:37

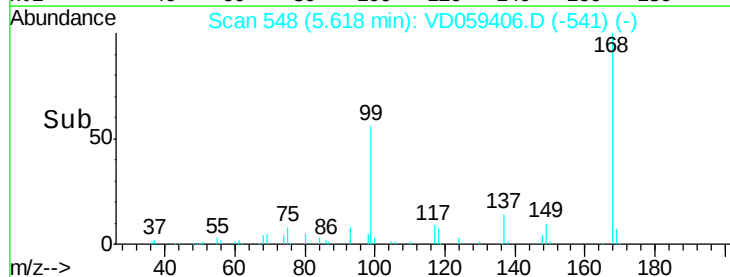
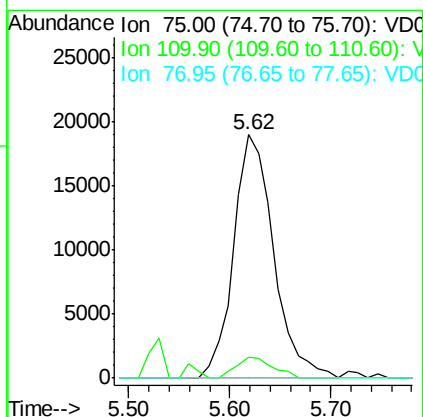
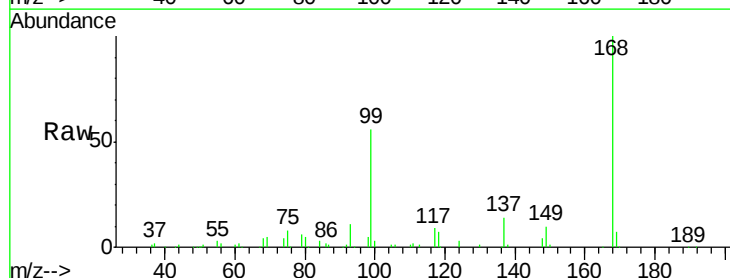
Instrument :
 MSVOA_D
 ClientSampleId :

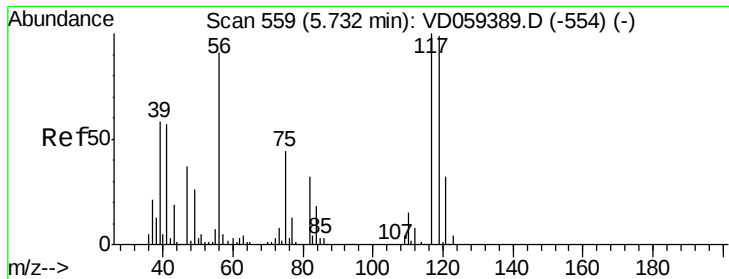
Tot Ion:113 Resp: 314529
 Ion Ratio Lower Upper
 113 100
 111 107.4 85.7 128.5
 192 21.5 16.9 25.3



#36
 1,1-Dichloropropene
 Concen: 6.211 ug/l
 RT: 5.62 min Scan# 548
 Delta R.T. -0.13 min
 Lab File: VD059406.D
 Acq: 25 Jun 2018 18:37

Tgt Ion: 75 Resp: 52514
 Ion Ratio Lower Upper
 75 100
 110 8.7 16.1 48.2#
 77 0.0 23.4 35.2#





#38

Carbon Tetrachloride

Concen: 6.784 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.10 min

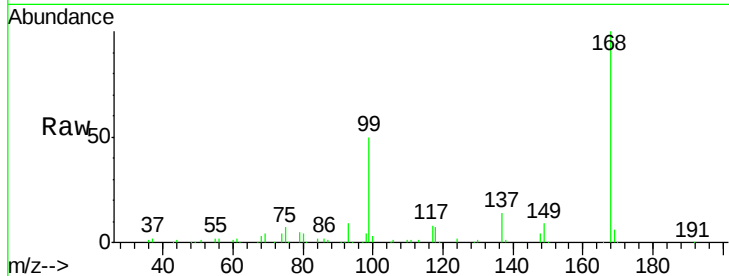
Lab File: VD059406.D

Acq: 25 Jun 2018 18:37

Instrument :

MSVOA_D

ClientSampled :



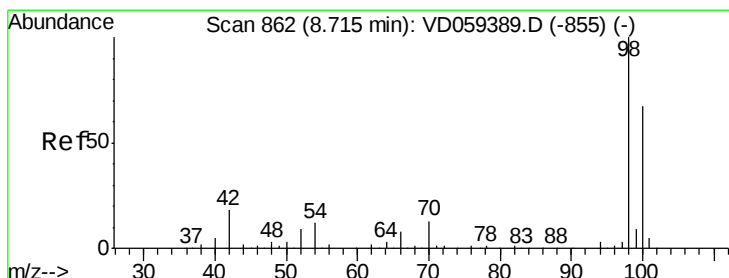
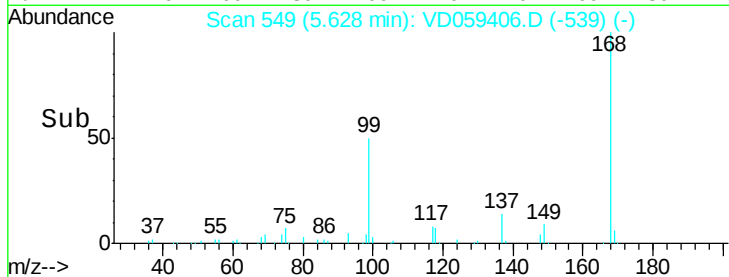
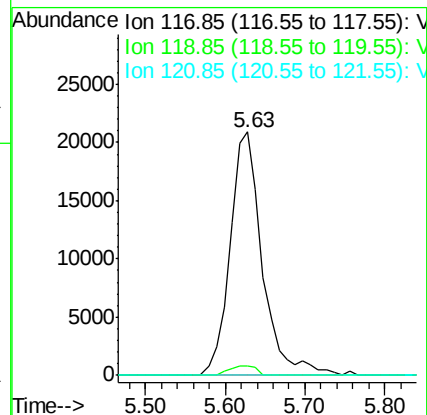
Tot Ion:117 Resp: 59136

Ion Ratio Lower Upper

117 100

119 3.7 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. -0.02 min

Lab File: VD059406.D

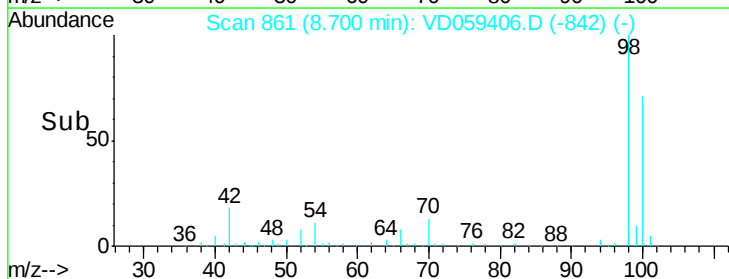
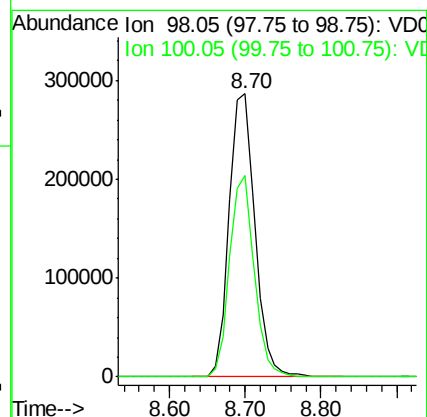
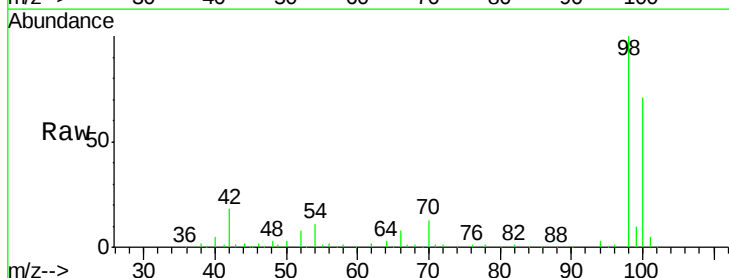
Acq: 25 Jun 2018 18:37

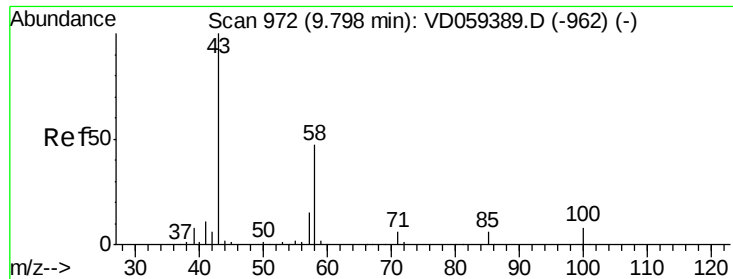
Tgt Ion: 98 Resp: 676017

Ion Ratio Lower Upper

98 100

100 71.3 54.4 81.6

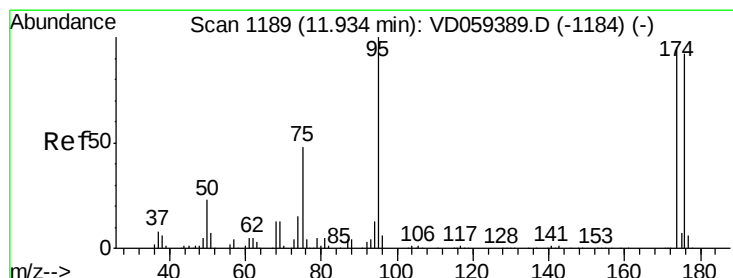
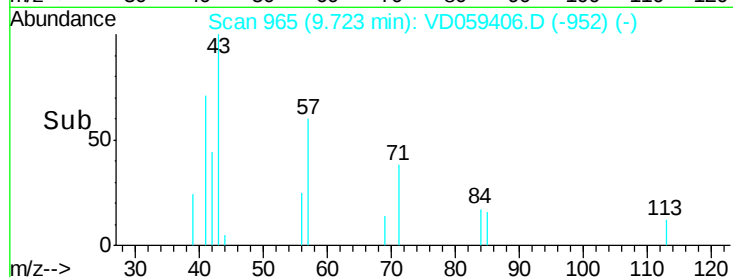
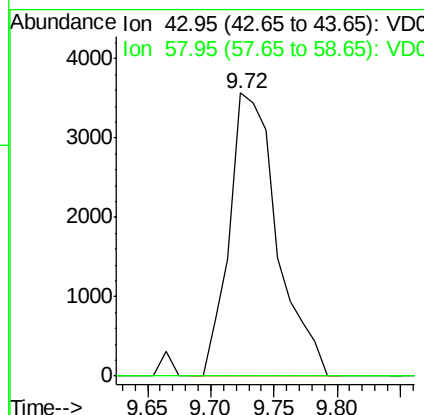
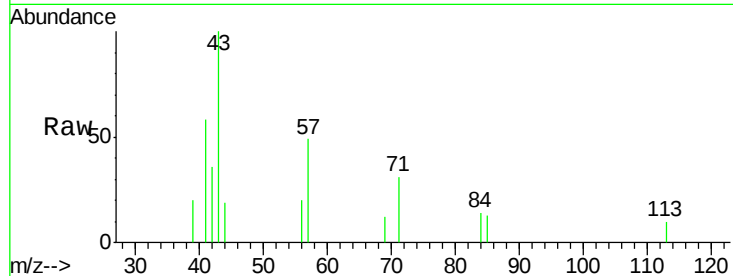




#59
2-Hexanone
Concen: 3.061 ug/l
RT: 9.72 min Scan# 965
Delta R.T. -0.07 min
Lab File: VD059406.D
Acq: 25 Jun 2018 18:37

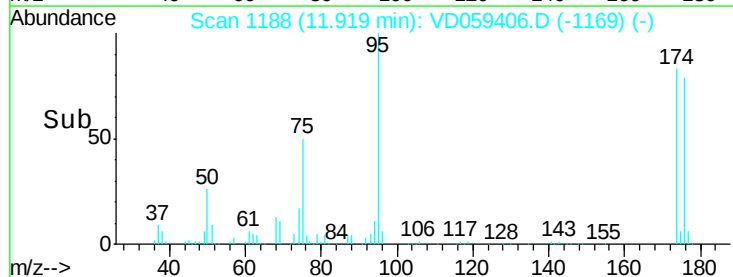
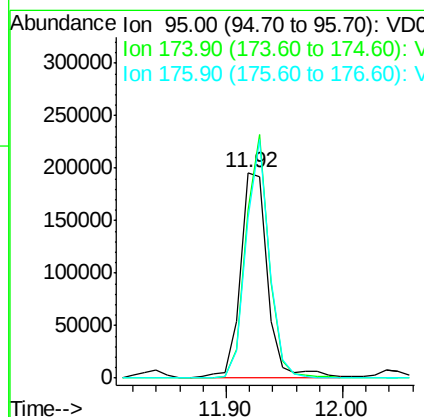
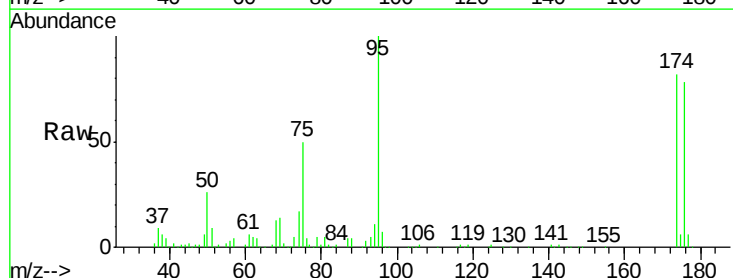
Instrument :
MSVOA_D
ClientSampleId :

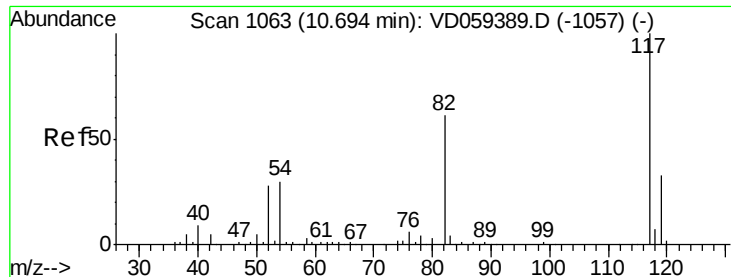
Tot Ion: 43 Resp: 9373
Ion Ratio Lower Upper
43 100
58 0.0 23.3 69.9#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.92 min Scan# 1188
Delta R.T. -0.02 min
Lab File: VD059406.D
Acq: 25 Jun 2018 18:37

Tgt Ion: 95 Resp: 314800
Ion Ratio Lower Upper
95 100
174 81.9 0.0 190.4
176 77.8 0.0 183.2

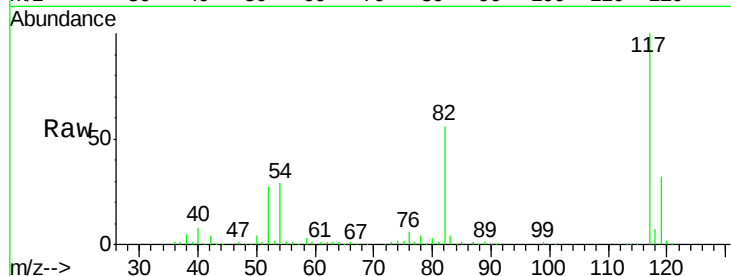




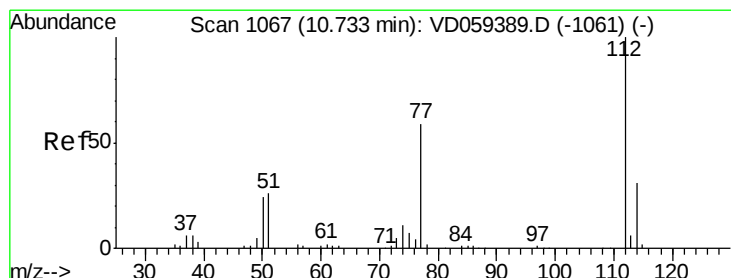
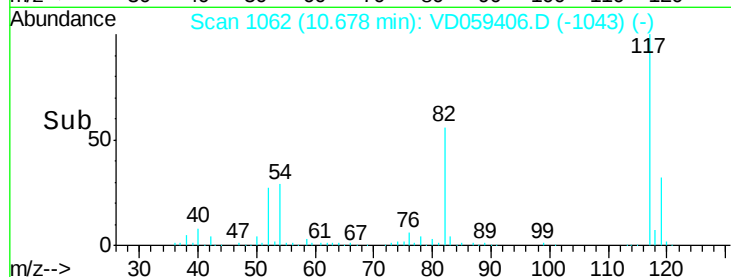
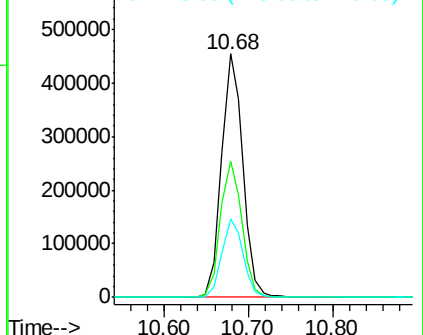
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.02 min
Lab File: VD059406.D
Acq: 25 Jun 2018 18:37

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 798698
Ion Ratio Lower Upper
117 100
82 56.2 49.0 73.6
119 32.0 26.2 39.4

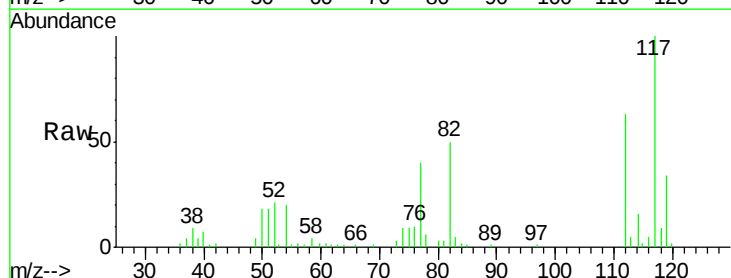


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

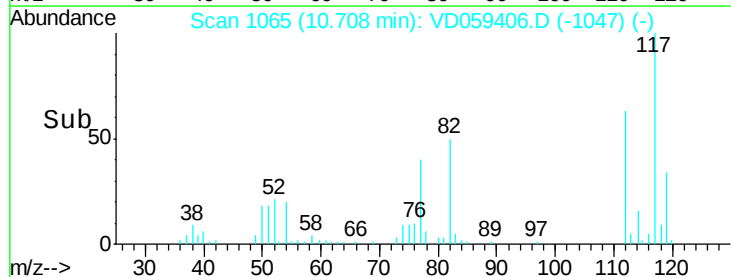
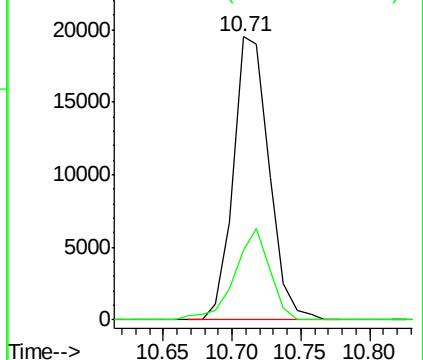


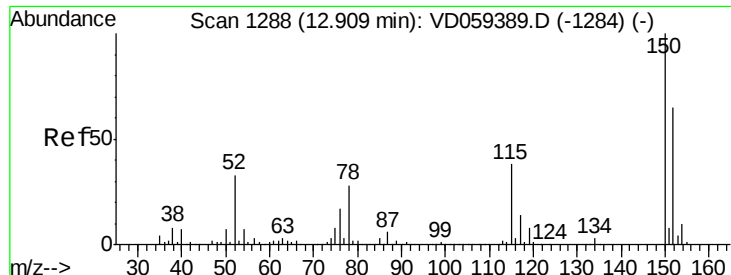
#65
Chlorobenzene
Concen: 2.414 ug/l
RT: 10.71 min Scan# 1065
Delta R.T. -0.03 min
Lab File: VD059406.D
Acq: 25 Jun 2018 18:37

Tgt Ion:112 Resp: 35249
Ion Ratio Lower Upper
112 100
114 24.8 24.6 37.0



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 114.00 (113.70 to 114.70): V

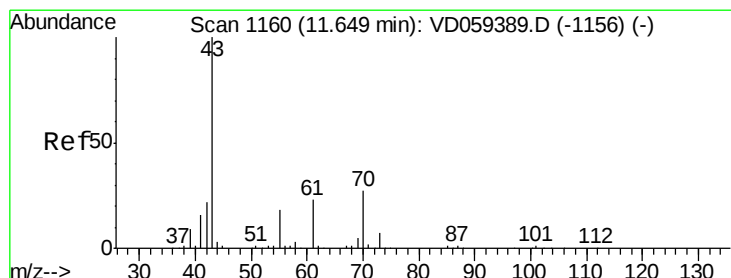
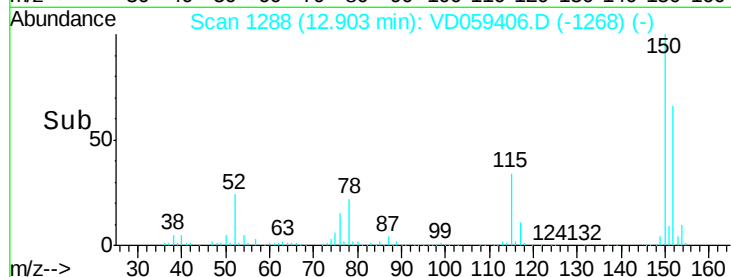
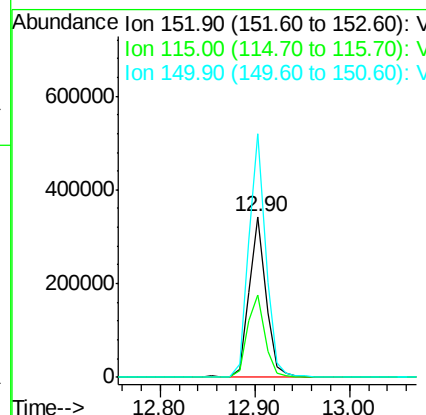
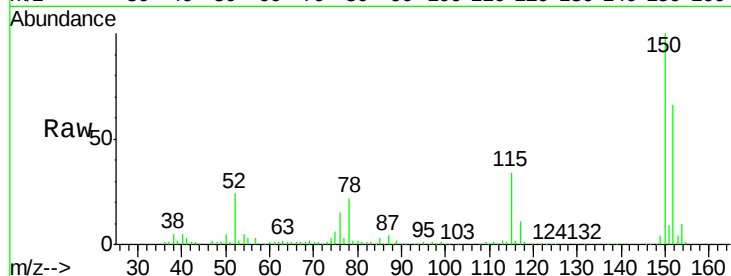




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.90 min Scan# 1288
 Delta R.T. -0.01 min
 Lab File: VD059406.D
 Acq: 25 Jun 2018 18:37

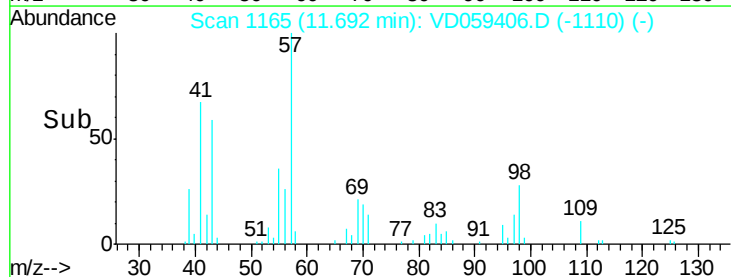
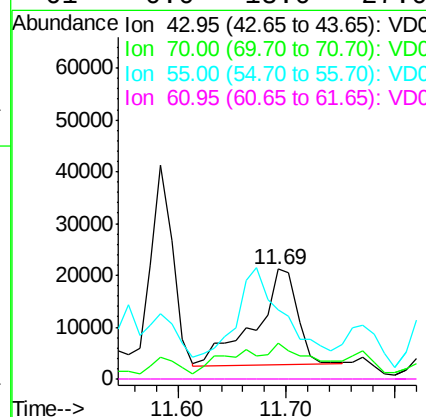
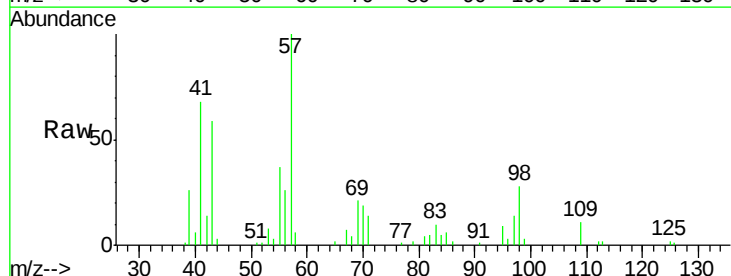
Instrument :
 MSVOA_D
 ClientSampleId :

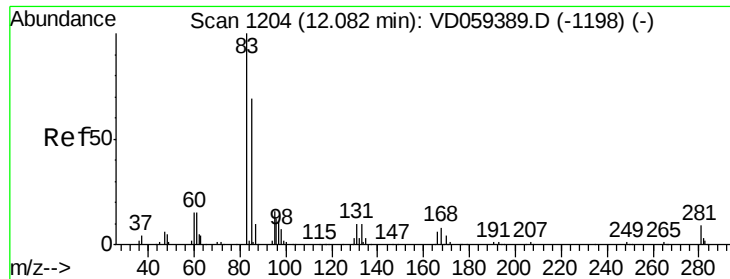
Tot Ion:152 Resp: 427943
 Ion Ratio Lower Upper
 152 100
 115 51.1 29.4 88.3
 150 151.7 0.0 308.2



#74
 N-ethyl acetate
 Concen: 5.527 ug/l
 RT: 11.69 min Scan# 1165
 Delta R.T. 0.04 min
 Lab File: VD059406.D
 Acq: 25 Jun 2018 18:37

Tgt Ion: 43 Resp: 50786
 Ion Ratio Lower Upper
 43 100
 70 32.3 21.7 32.5
 55 63.4 14.6 22.0#
 61 0.0 18.0 27.0#





#75

1,1,2,2-Tetrachloroethane

Concen: 2.333 ug/l

RT: 12.08 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VD059406.D

Acq: 25 Jun 2018 18:37

Instrument :

MSVOA_D

ClientSampled :

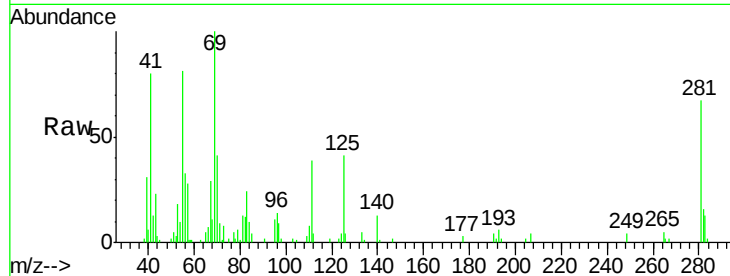
Tot Ion: 83 Resp: 13216

Ion Ratio Lower Upper

83 100

131 0.0 4.9 14.6#

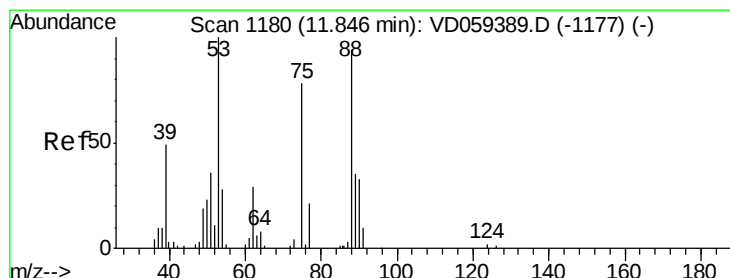
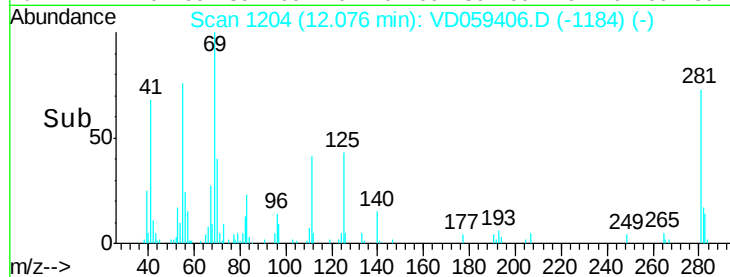
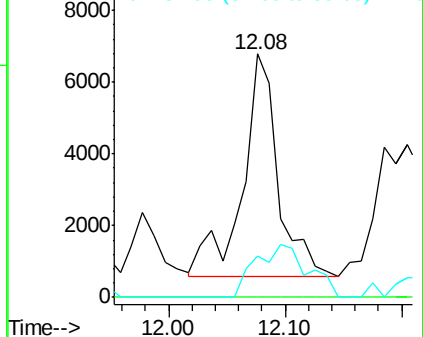
85 16.9 34.6 103.8#



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 110.854 ug/l

RT: 11.92 min Scan# 1188

Delta R.T. 0.07 min

Lab File: VD059406.D

Acq: 25 Jun 2018 18:37

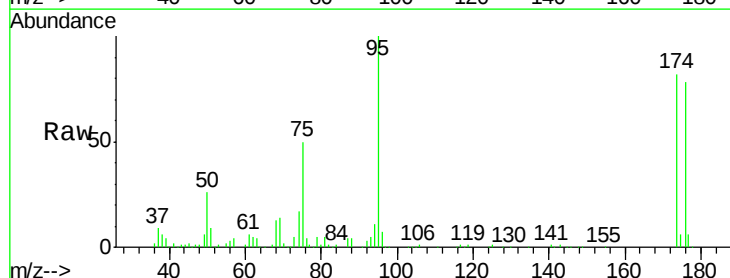
Tgt Ion: 75 Resp: 148728

Ion Ratio Lower Upper

75 100

53 1.1 102.6 154.0#

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

