

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062618\
 Data File : VD059420.D
 Acq On : 26 Jun 2018 12:51
 Operator : VA/AP
 Sample : J3605-02RE
 Misc : 6.28g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 26 13:44:29 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	685834	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	6.67	114	920524	50.00	ug/l	-0.03
63) Chlorobenzene-d5	10.68	117	782260	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.90	152	416345	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	296873	42.33	ug/l	-0.03
Spiked Amount			Recovery	=	84.66%	
35) Dibromofluoromethane	5.54	113	317728	42.38	ug/l	-0.02
Spiked Amount			Recovery	=	84.76%	
50) Toluene-d8	8.69	98	669512	38.20	ug/l	-0.03
Spiked Amount			Recovery	=	76.40%	
62) 4-Bromofluorobenzene	11.92	95	302831	41.53	ug/l	-0.02
Spiked Amount			Recovery	=	83.06%	

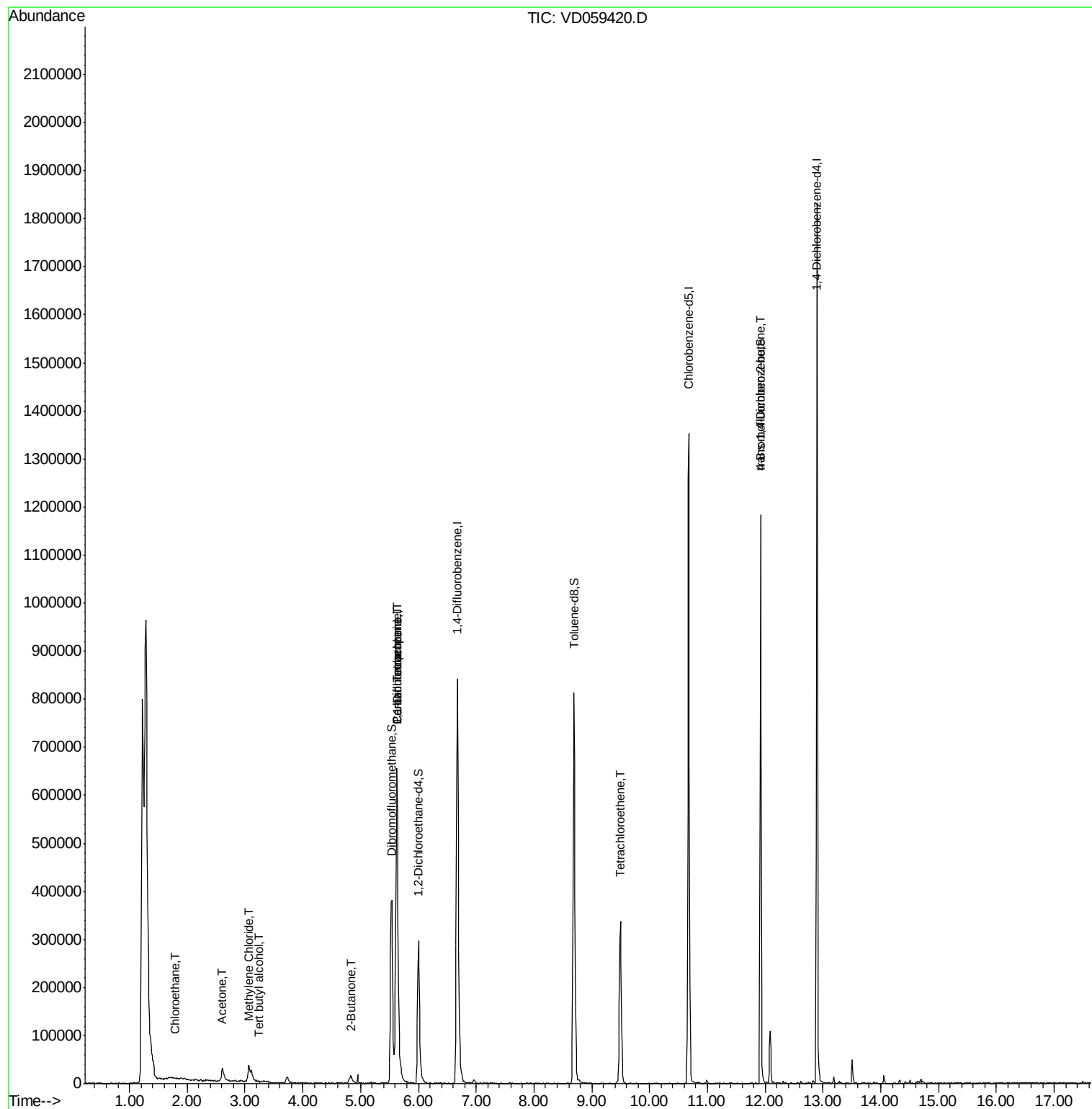
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.80	94	200	Below Cal	#	4
6) Chloroethane	1.80	64	185	2.03	ug/l #	41
11) Tert butyl alcohol	3.25	59	956	3.94	ug/l #	72
16) Acetone	2.61	43	62961	71.13	ug/l	99
18) Methyl Acetate	2.92	43	1919	Below Cal	#	66
20) Methylene Chloride	3.07	84	18133	5.15	ug/l #	91
25) 2-Butanone	4.83	43	3884	2.09	ug/l	95
31) Cyclohexane	5.62	56	14223	Below Cal	#	1
36) 1,1-Dichloropropene	5.63	75	55381	6.63	ug/l #	52
38) Carbon Tetrachloride	5.63	117	57879	6.72	ug/l #	17
64) Tetrachloroethene	9.50	164	104433	15.22	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.92	75	147235	112.80	ug/l #	1

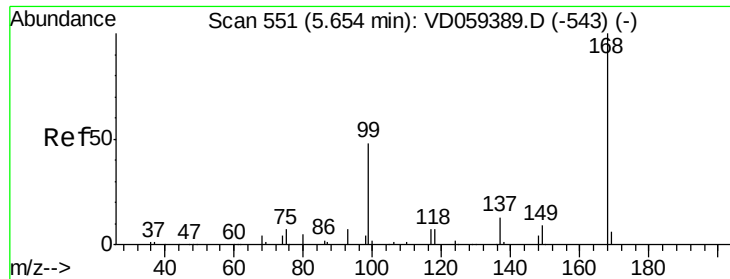
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062618\
Data File : VD059420.D
Acq On : 26 Jun 2018 12:51
Operator : VA/AP
Sample : J3605-02RE
Misc : 6.28g/5ml/MSVOA D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Jun 26 13:44:29 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: 50.00 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.03 min

Lab File: VD059420.D

Acq: 26 Jun 2018 12:51

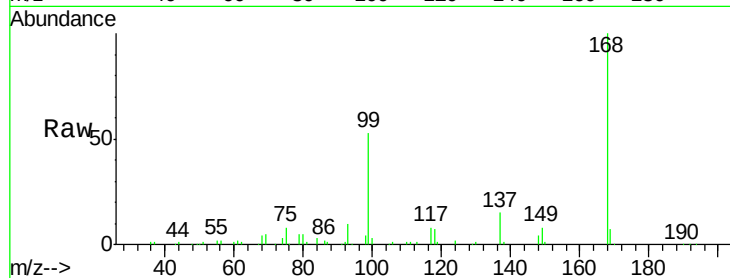
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 685834

Ion Ratio Lower Upper

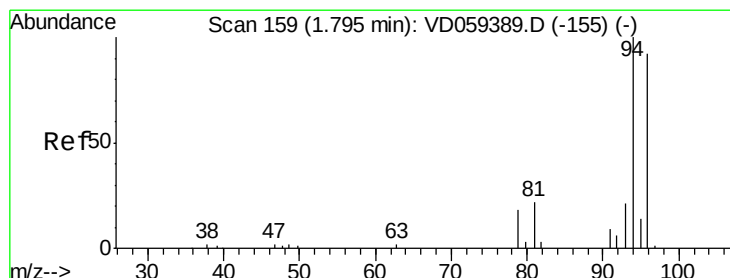
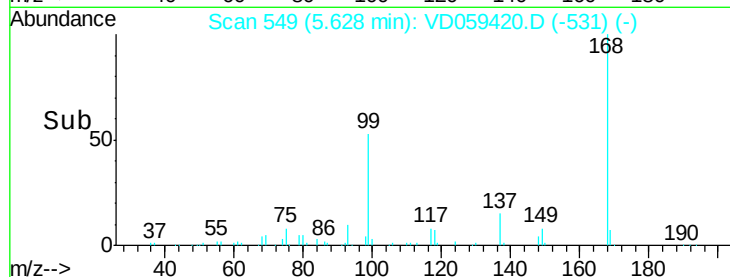
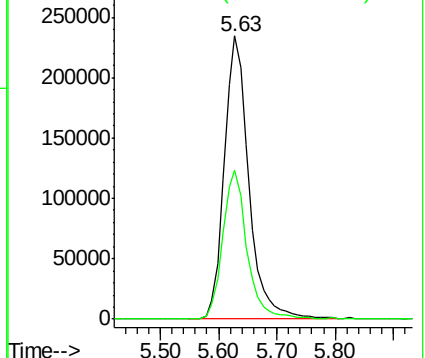
168 100

99 52.7 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: 1.80 min Scan# 160

Delta R.T. 0.00 min

Lab File: VD059420.D

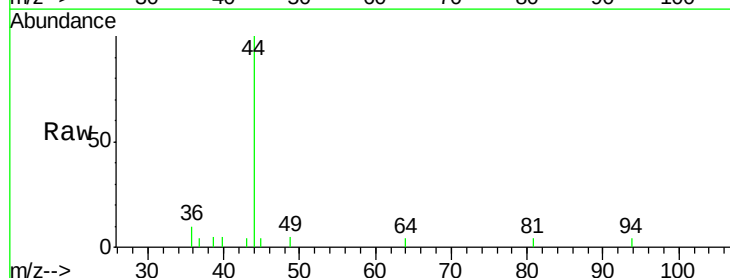
Acq: 26 Jun 2018 12:51

Tgt Ion: 94 Resp: 200

Ion Ratio Lower Upper

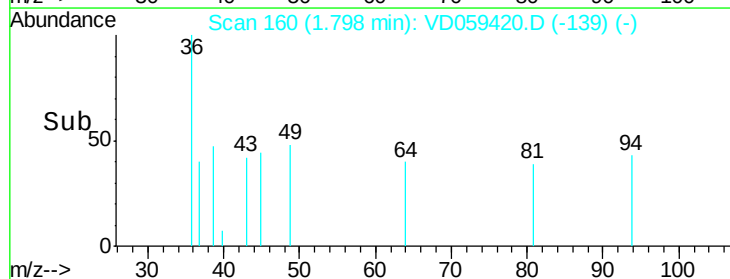
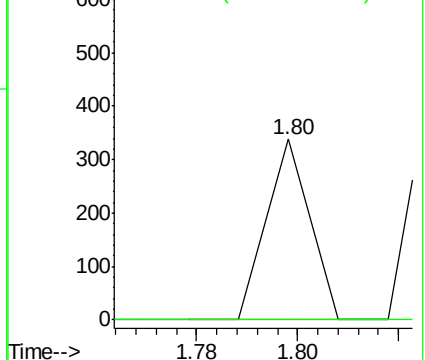
94 100

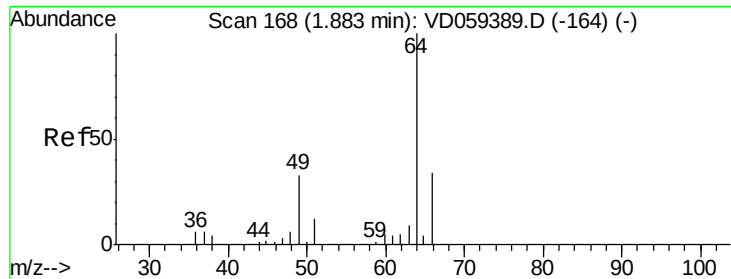
96 0.0 73.4 110.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#6

Chloroethane

Concen: 2.03 ug/l

RT: 1.80 min Scan# 160

Delta R.T. -0.08 min

Lab File: VD059420.D

Acq: 26 Jun 2018 12:51

Instrument :

MSVOA_D

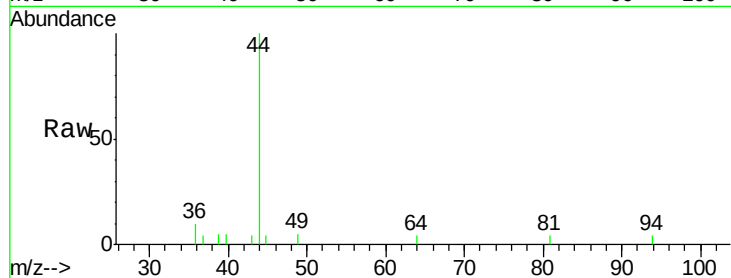
ClientSampled :

Tot Ion: 64 Resp: 185

Ion Ratio Lower Upper

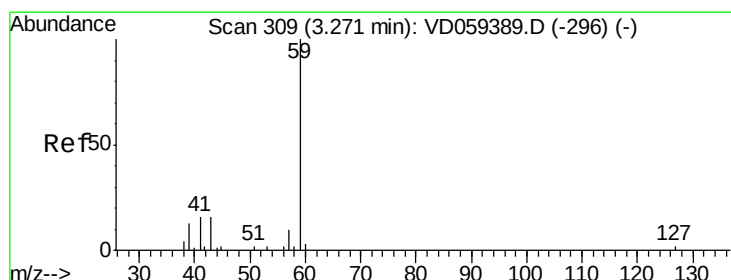
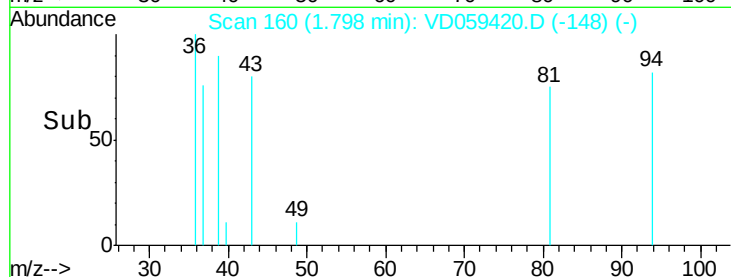
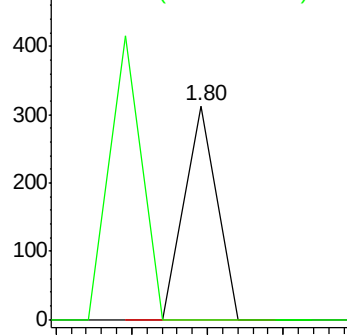
64 100

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



#11

Tert butyl alcohol

Concen: 3.94 ug/l

RT: 3.25 min Scan# 307

Delta R.T. -0.03 min

Lab File: VD059420.D

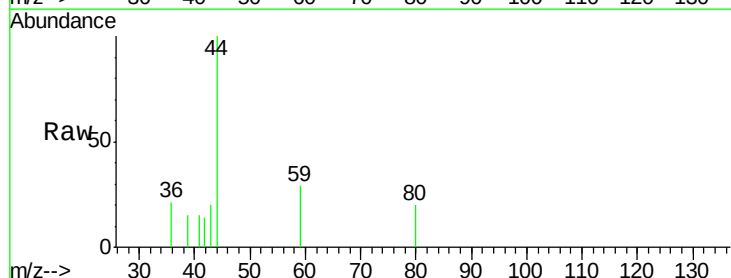
Acq: 26 Jun 2018 12:51

Tgt Ion: 59 Resp: 956

Ion Ratio Lower Upper

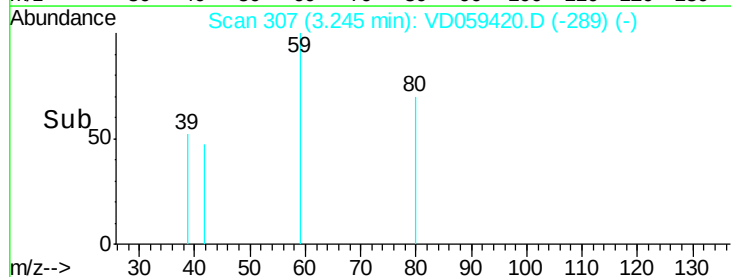
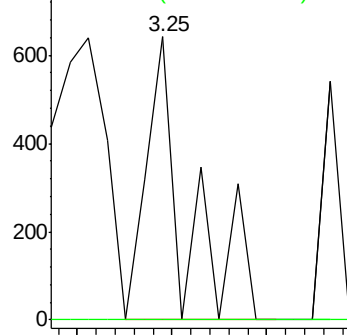
59 100

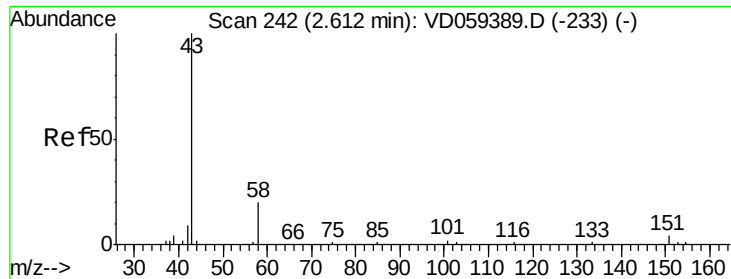
57 0.0 8.3 12.5#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 71.13 ug/l

RT: 2.61 min Scan# 242

Delta R.T. -0.01 min

Lab File: VD059420.D

Acq: 26 Jun 2018 12:51

Instrument :

MSVOA_D

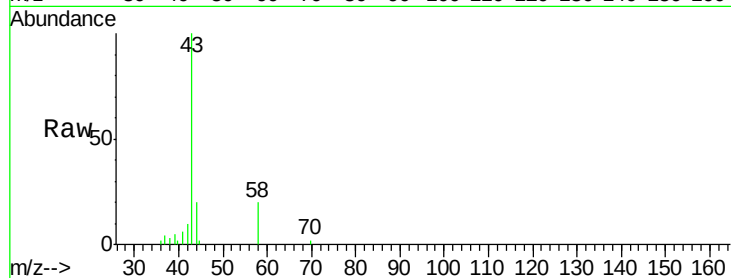
ClientSampleId :

Tot Ion: 43 Resp: 62961

Ion Ratio Lower Upper

43 100

58 20.3 16.8 25.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

20000

15000

10000

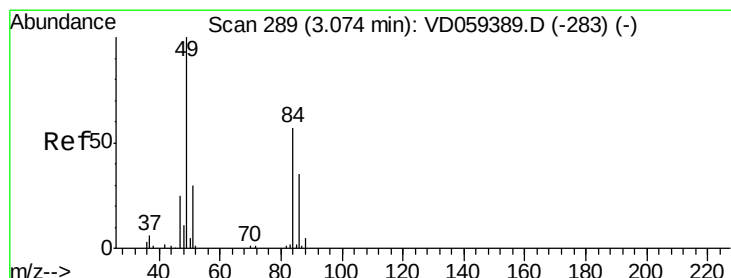
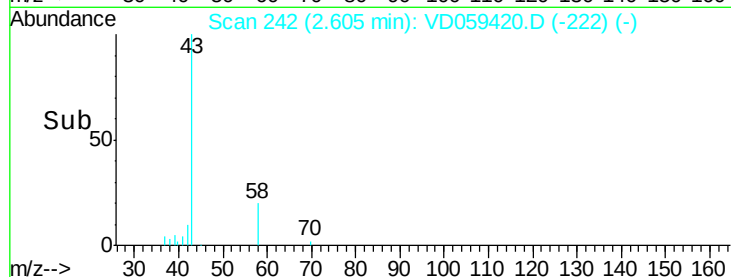
5000

0

Time-->

2.50 2.60 2.70 2.80

2.61



#20

Methylene Chloride

Concen: 5.15 ug/l

RT: 3.07 min Scan# 289

Delta R.T. -0.01 min

Lab File: VD059420.D

Acq: 26 Jun 2018 12:51

Tgt Ion: 84 Resp: 18133

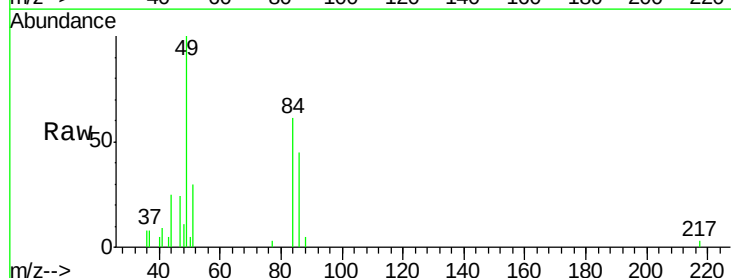
Ion Ratio Lower Upper

84 100

49 164.5 140.3 210.5

51 49.0 41.6 62.4

86 74.5 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

15000

10000

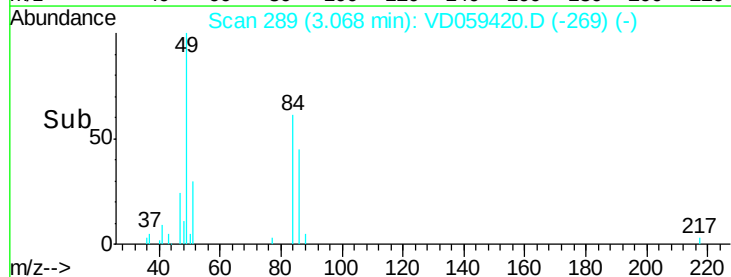
5000

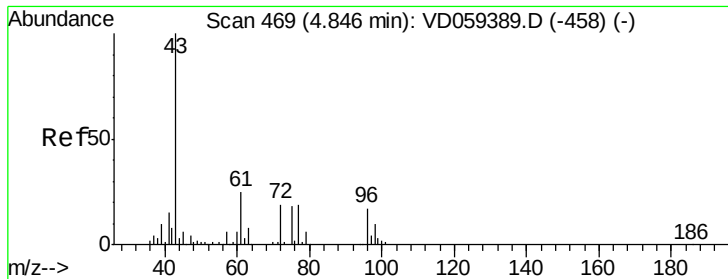
0

Time-->

3.00 3.10 3.20

3.07





#25

2-Butanone

Concen: 2.09 ug/l

RT: 4.83 min Scan# 468

Delta R.T. -0.02 min

Lab File: VD059420.D

Acq: 26 Jun 2018 12:51

Instrument :

MSVOA_D

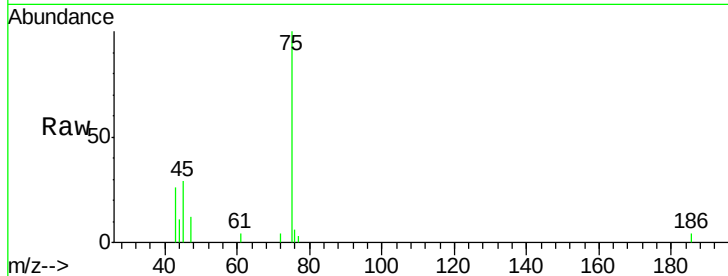
ClientSampled :

Tot Ion: 43 Resp: 3884

Ion Ratio Lower Upper

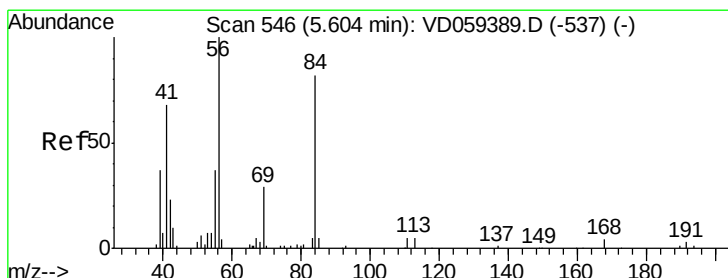
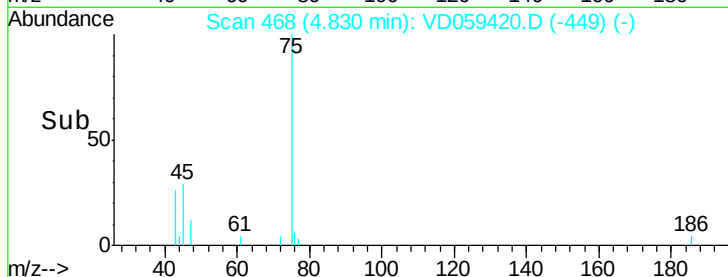
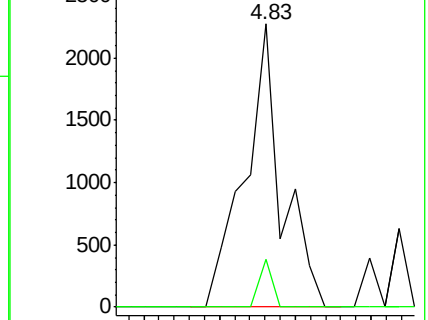
43 100

72 16.9 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: 5.62 min Scan# 548

Delta R.T. 0.01 min

Lab File: VD059420.D

Acq: 26 Jun 2018 12:51

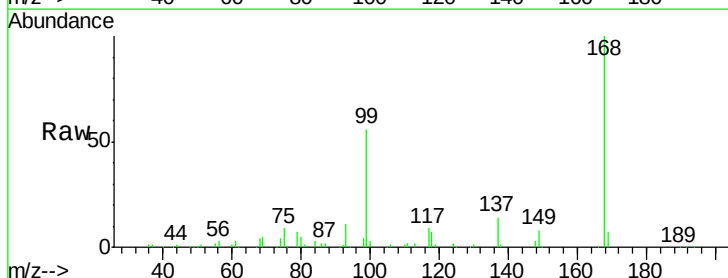
Tgt Ion: 56 Resp: 14223

Ion Ratio Lower Upper

56 100

69 208.2 22.9 34.3#

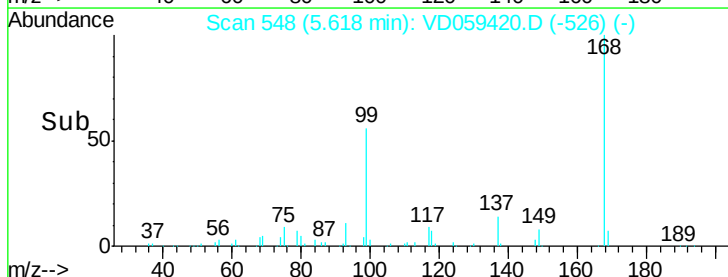
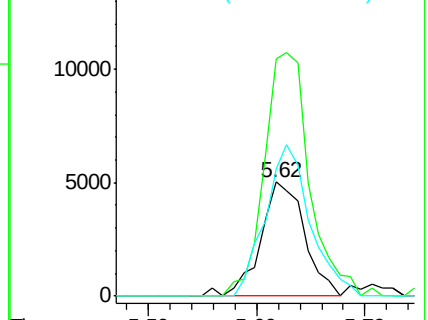
84 111.2 67.3 100.9#

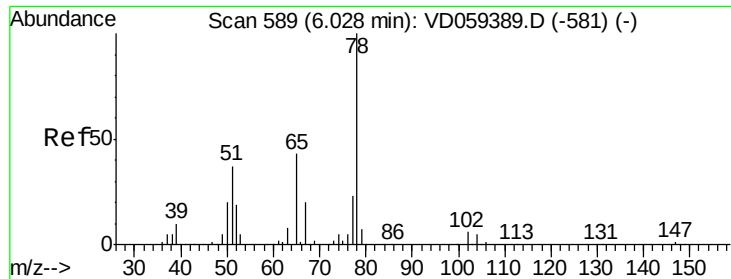


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

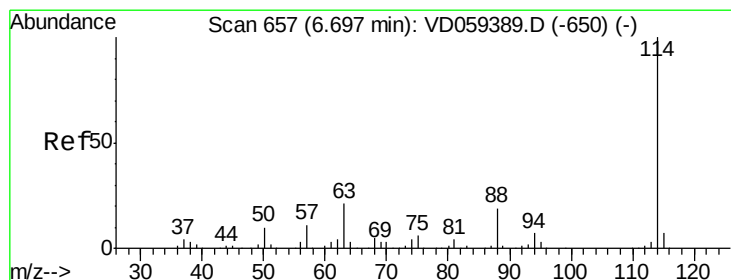
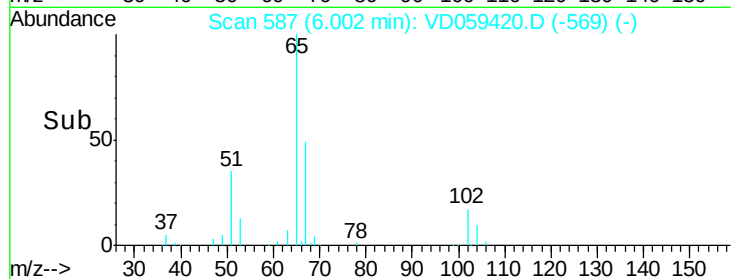
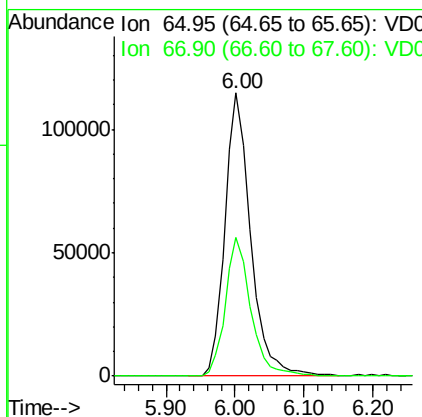
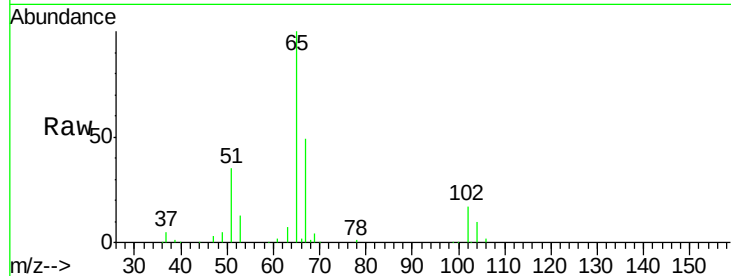




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.00 min Scan# 587
 Delta R.T. -0.03 min
 Lab File: VD059420.D
 Acq: 26 Jun 2018 12:51

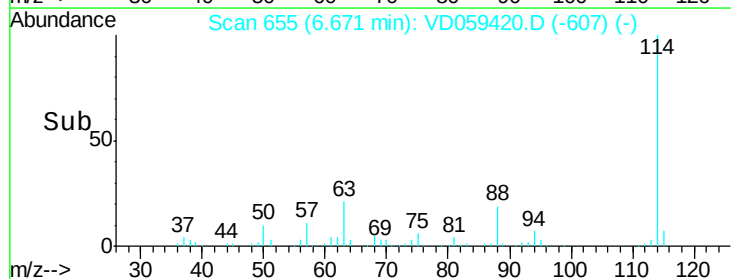
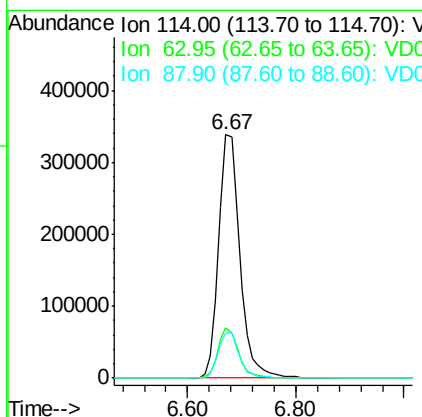
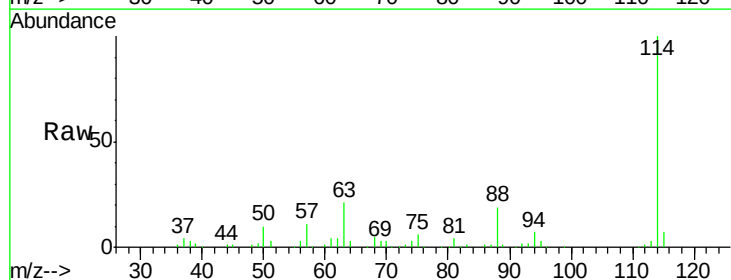
Instrument :
 MSVOA_D
 ClientSampleId :

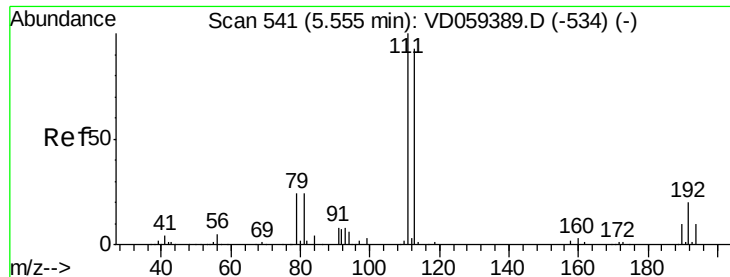
Tot Ion: 65 Resp: 296873
 Ion Ratio Lower Upper
 65 100
 67 48.9 0.0 93.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.67 min Scan# 655
 Delta R.T. -0.03 min
 Lab File: VD059420.D
 Acq: 26 Jun 2018 12:51

Tgt Ion: 114 Resp: 920524
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 42.4
 88 18.8 0.0 38.0

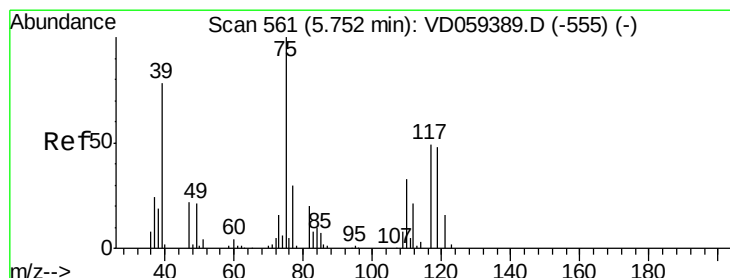
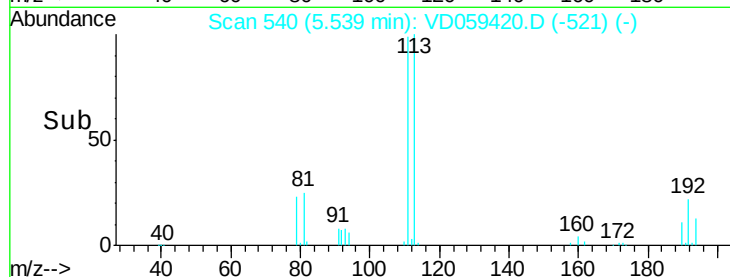
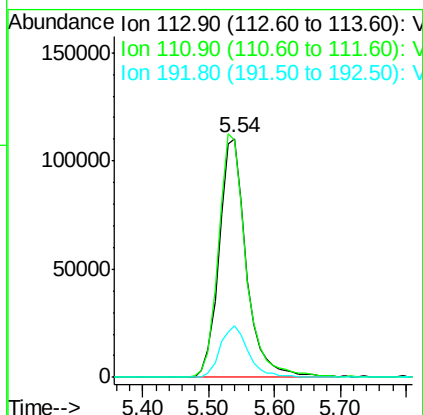
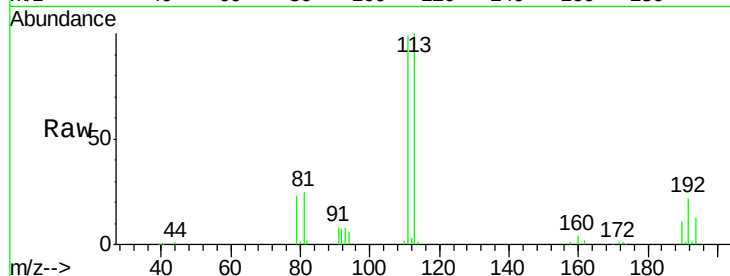




#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 5.54 min Scan# 540
 Delta R.T. -0.02 min
 Lab File: VD059420.D
 Acq: 26 Jun 2018 12:51

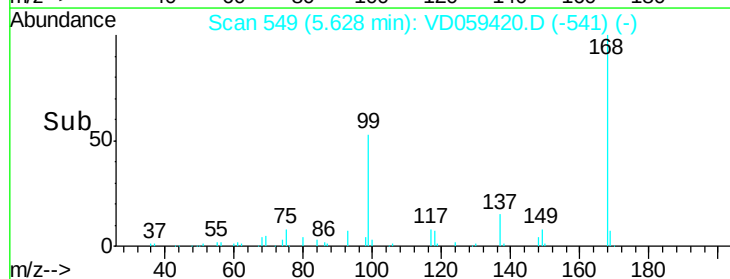
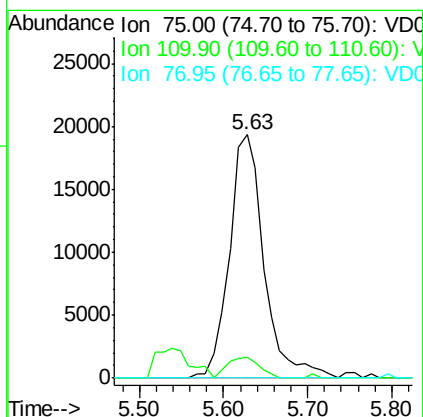
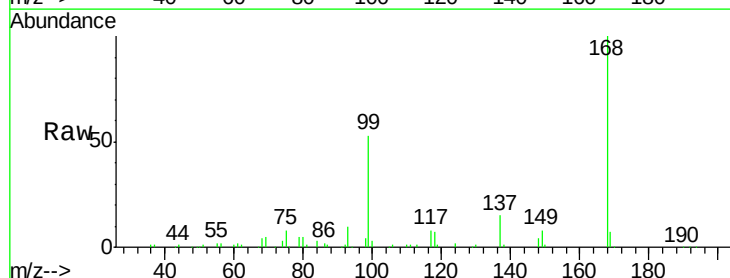
Instrument :
 MSVOA_D
 ClientSampleId :

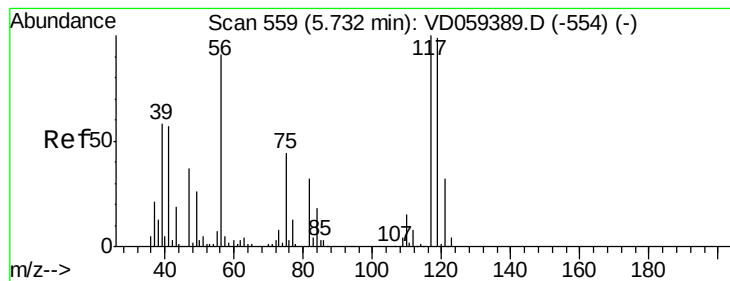
Tot Ion:113 Resp: 317728
 Ion Ratio Lower Upper
 113 100
 111 99.4 85.7 128.5
 192 21.5 16.9 25.3



#36
 1,1-Dichloropropene
 Concen: 6.63 ug/l
 RT: 5.63 min Scan# 549
 Delta R.T. -0.12 min
 Lab File: VD059420.D
 Acq: 26 Jun 2018 12:51

Tgt Ion: 75 Resp: 55381
 Ion Ratio Lower Upper
 75 100
 110 8.4 16.1 48.2#
 77 0.0 23.4 35.2#





#38

Carbon Tetrachloride

Concen: 6.72 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.10 min

Lab File: VD059420.D

Acq: 26 Jun 2018 12:51

Instrument :

MSVOA_D

ClientSampleId :

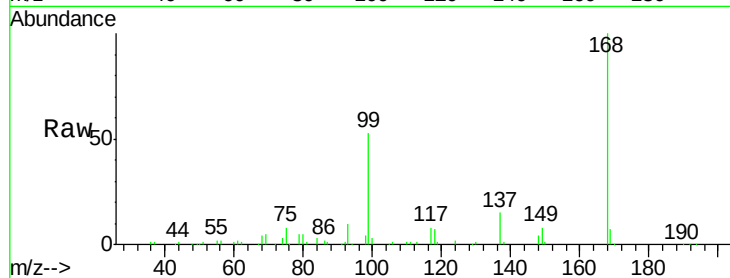
Tot Ion:117 Resp: 57879

Ion Ratio Lower Upper

117 100

119 6.3 76.6 115.0#

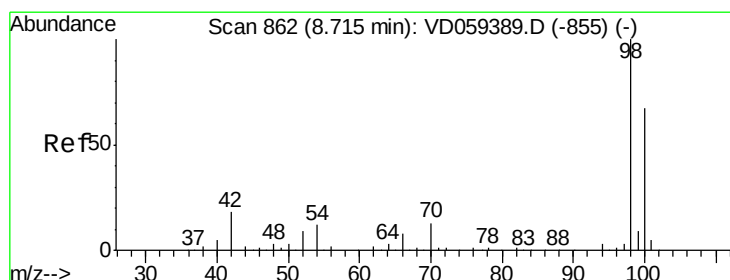
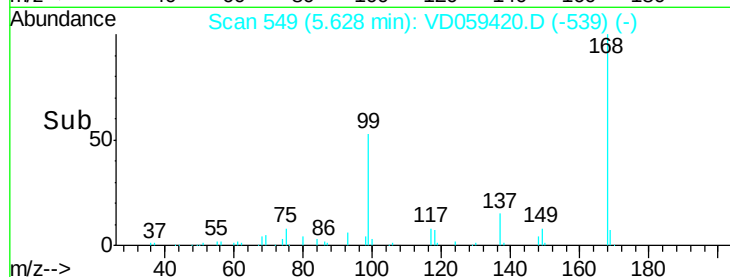
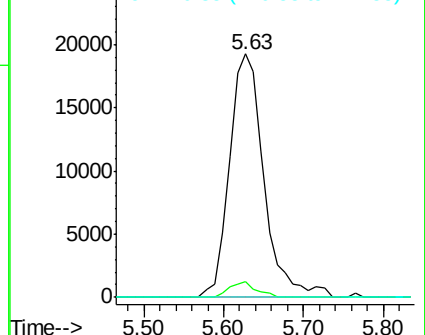
121 0.0 25.0 37.4#



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: 8.69 min Scan# 860

Delta R.T. -0.03 min

Lab File: VD059420.D

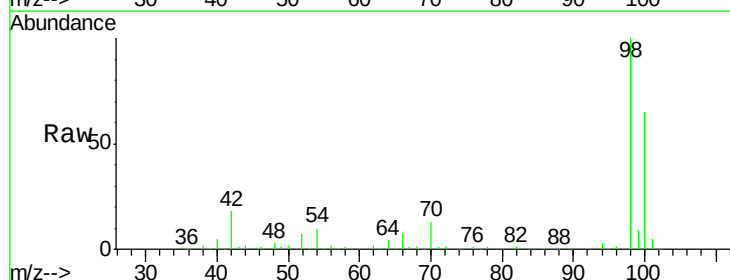
Acq: 26 Jun 2018 12:51

Tgt Ion: 98 Resp: 669512

Ion Ratio Lower Upper

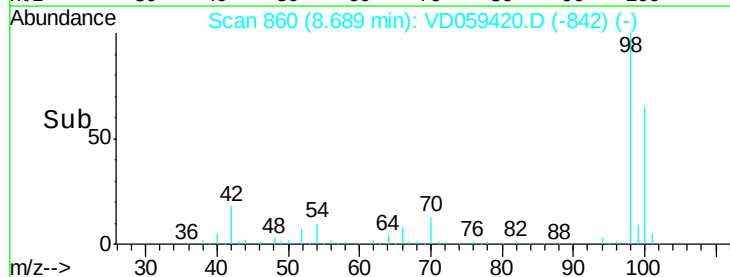
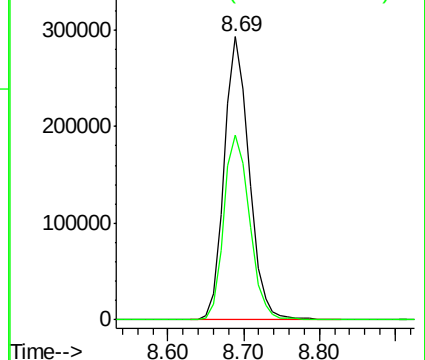
98 100

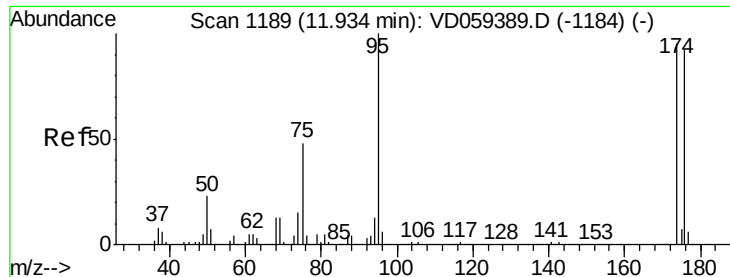
100 65.2 54.4 81.6



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

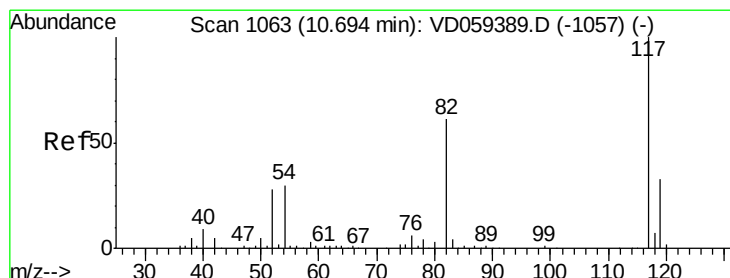
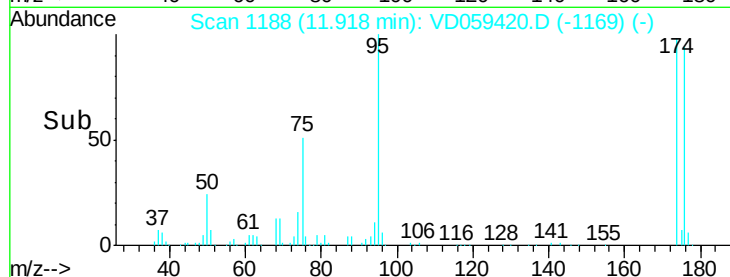
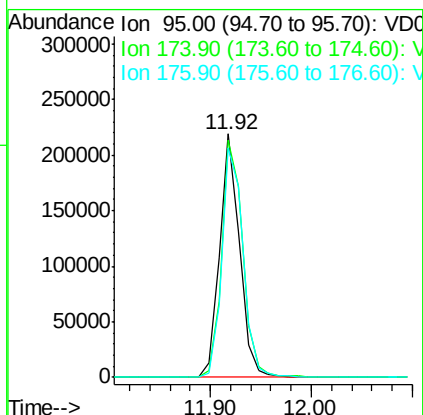
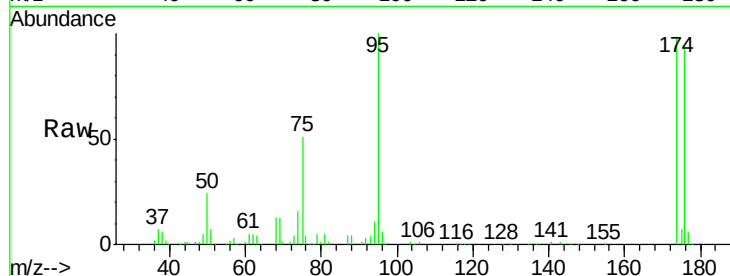




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.92 min Scan# 1188
Delta R.T. -0.02 min
Lab File: VD059420.D
Acq: 26 Jun 2018 12:51

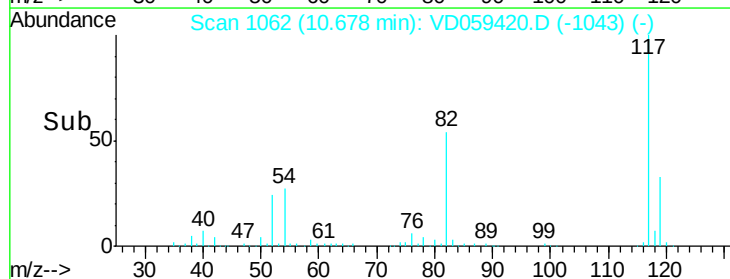
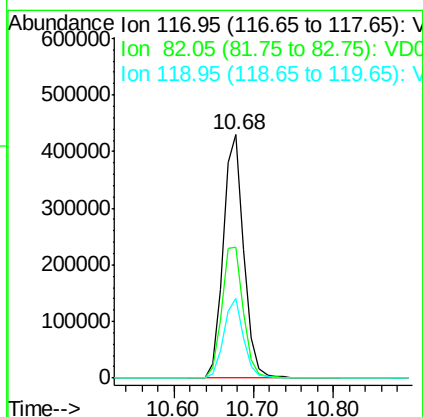
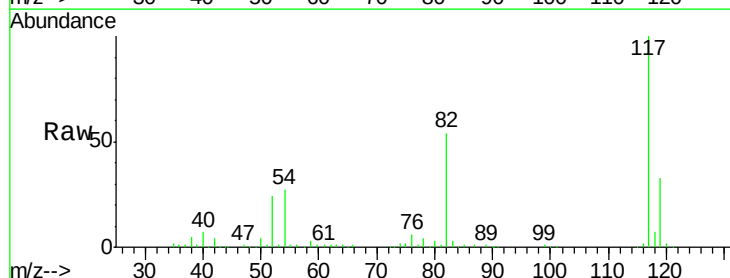
Instrument :
MSVOA_D
ClientSampled :

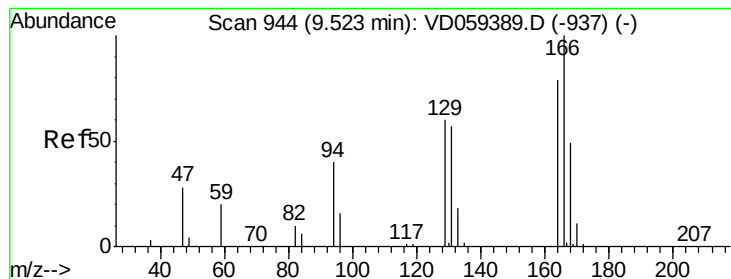
Tot Ion: 95 Resp: 302831
Ion Ratio Lower Upper
95 100
174 97.5 0.0 190.4
176 94.2 0.0 183.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.02 min
Lab File: VD059420.D
Acq: 26 Jun 2018 12:51

Tgt Ion: 117 Resp: 782260
Ion Ratio Lower Upper
117 100
82 53.5 49.0 73.6
119 32.6 26.2 39.4





#64

Tetrachloroethene

Concen: 15.22 ug/l

RT: 9.50 min Scan# 942

Delta R.T. -0.03 min

Lab File: VD059420.D

Acq: 26 Jun 2018 12:51

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:164 Resp: 104433

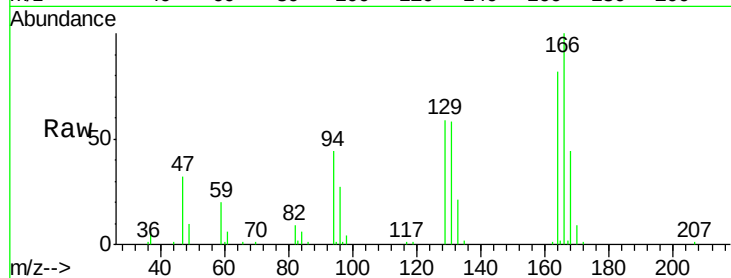
Ion Ratio Lower Upper

164 100

166 122.1 101.4 152.2

129 72.3 60.9 91.3

131 71.0 58.2 87.4

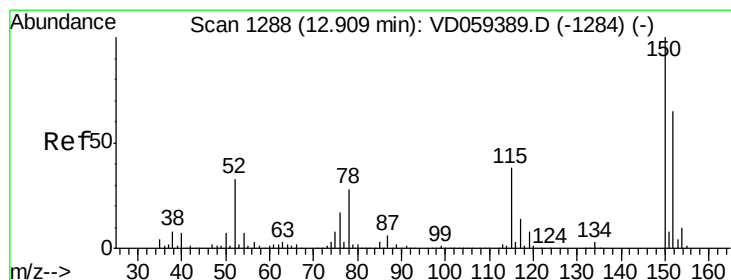
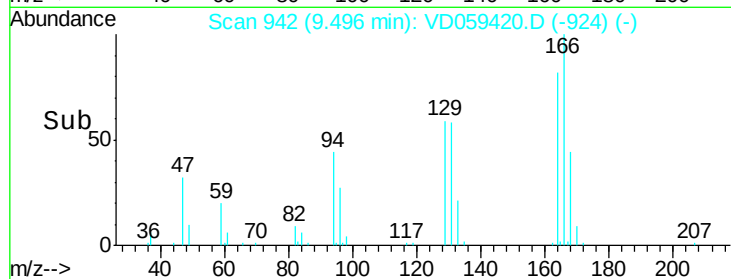
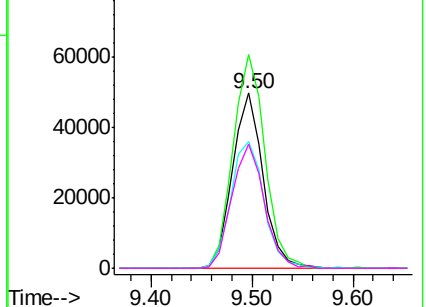


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): 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: VD059420.D

Acq: 26 Jun 2018 12:51

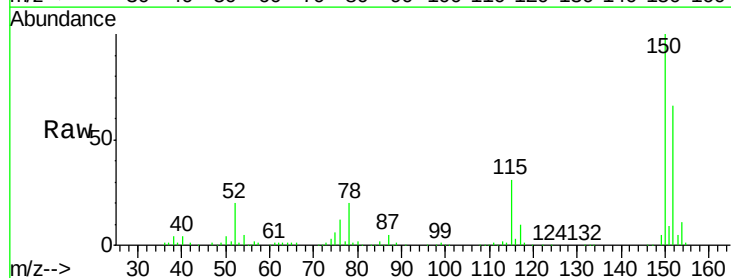
Tgt Ion:152 Resp: 416345

Ion Ratio Lower Upper

152 100

115 46.8 29.4 88.3

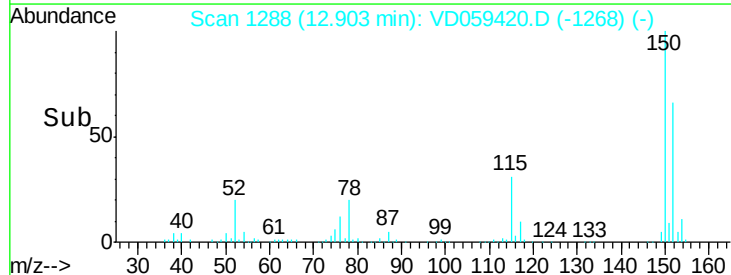
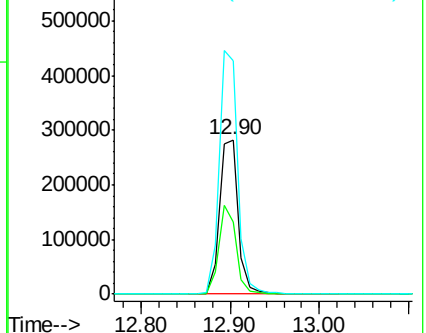
150 151.6 0.0 308.2

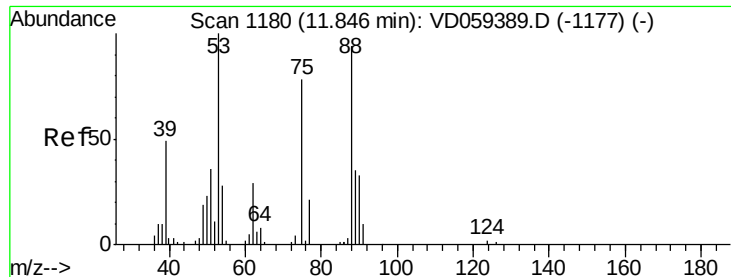


Abundance Ion 151.90 (151.60 to 152.60): V

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: 112.80 ug/l

RT: 11.92 min Scan# 1188

Delta R.T. 0.07 min

Lab File: VD059420.D

Acq: 26 Jun 2018 12:51

Instrument :

MSVOA_D

ClientSampleId :

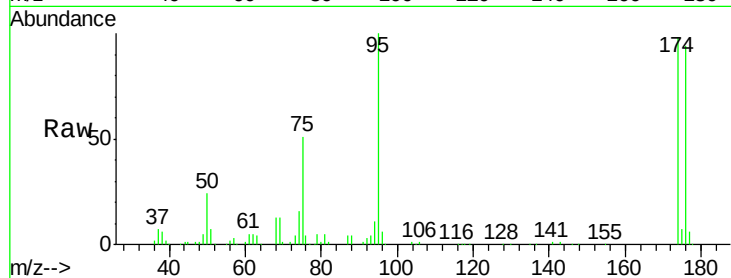
Tot Ion: 75 Resp: 147235

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

