

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060818\
 Data File : VD058027.D
 Acq On : 8 Jun 2018 19:34
 Operator : VA/AP
 Sample : J3324-01
 Misc : 5.08g/5ml/MSVOA D/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 08 23:57:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:57:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	112598	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	6.67	114	169660	50.00	ug/l	-0.03
63) Chlorobenzene-d5	10.68	117	168224	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	99596	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.00	65	114041	101.31	ug/l	-0.02
Spiked Amount			Recovery	=	202.62%	
35) Dibromofluoromethane	5.53	113	87223	66.45	ug/l	-0.03
Spiked Amount			Recovery	=	132.90%	
50) Toluene-d8	8.69	98	168571	54.01	ug/l	-0.02
Spiked Amount			Recovery	=	108.02%	
62) 4-Bromofluorobenzene	11.92	95	84933	62.39	ug/l	0.00
Spiked Amount			Recovery	=	124.78%	

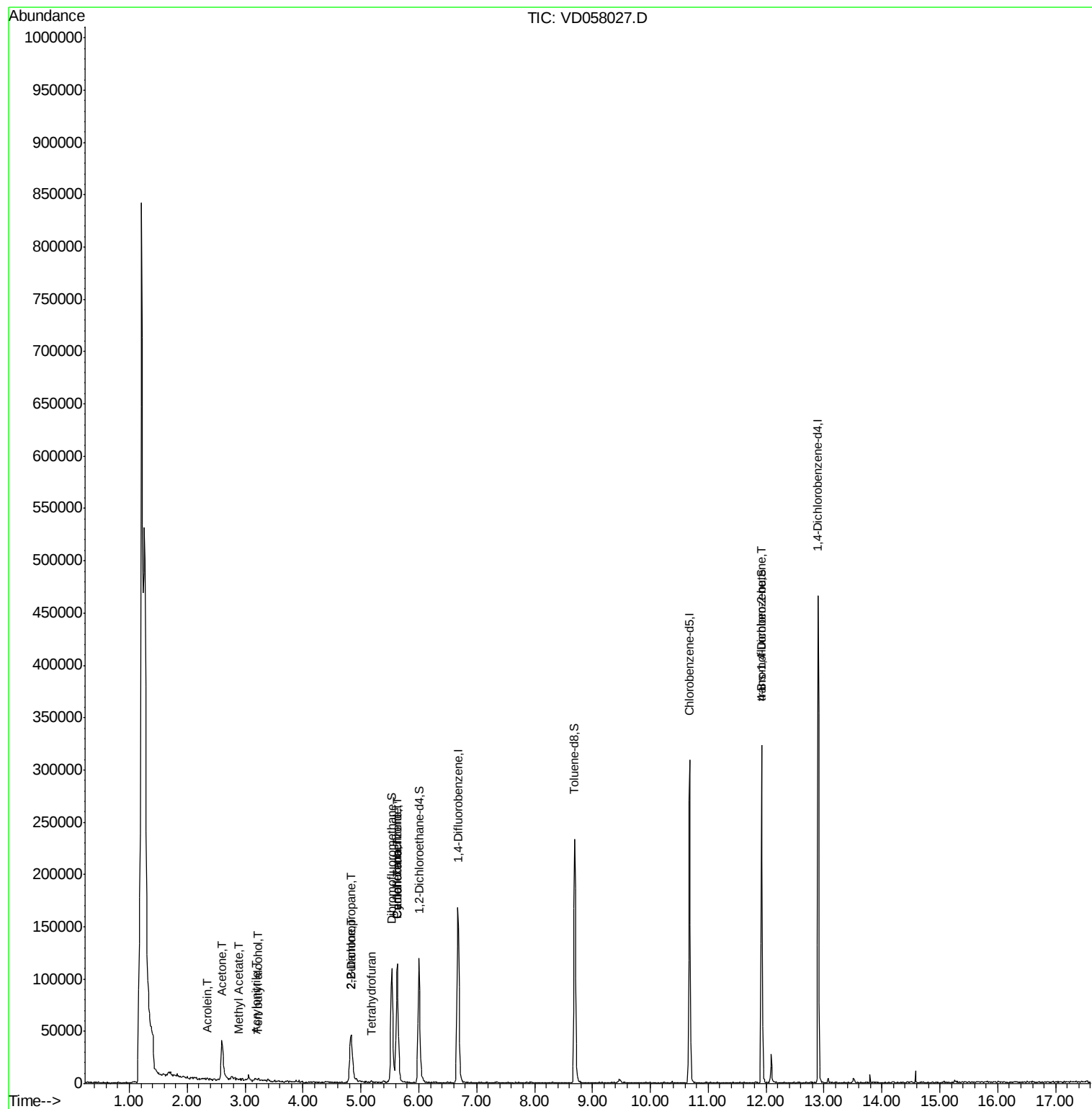
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.24	59	1904	63.138	ug/l #	74
13) Acrolein	2.35	56	181	4.191	ug/l #	16
15) Acrylonitrile	3.20	53	217	1.230	ug/l #	15
16) Acetone	2.60	43	79252	488.658	ug/l	99
18) Methyl Acetate	2.90	43	2072	6.604	ug/l #	66
20) Methylene Chloride	3.07	84	1251	Below Cal	#	36
25) 2-Butanone	4.82	43	5806	15.752	ug/l #	64
26) 2,2-Dichloropropane	4.84	77	3574	1.913	ug/l #	59
29) Tetrahydrofuran	5.18	42	455	2.355	ug/l #	63
31) Cyclohexane	5.62	56	2603	1.330	ug/l #	1
38) Carbon Tetrachloride	5.64	117	8587	4.661	ug/l #	12
81) trans-1,4-Dichloro-2-buten	11.92	75	43378	117.062	ug/l #	6
82) 4-Chlorotoluene	12.32	91	244	Below Cal	#	50

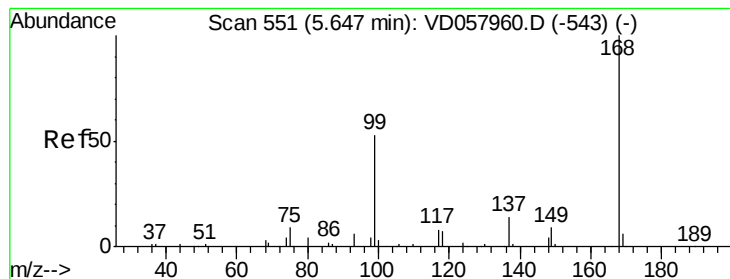
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD060818\
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Quant Title : SW846 8260
QLast Update : Thu Jun 07 08:57:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.02 min

Lab File: VD058027.D

Acq: 8 Jun 2018 19:34

Instrument :

MSVOA_D

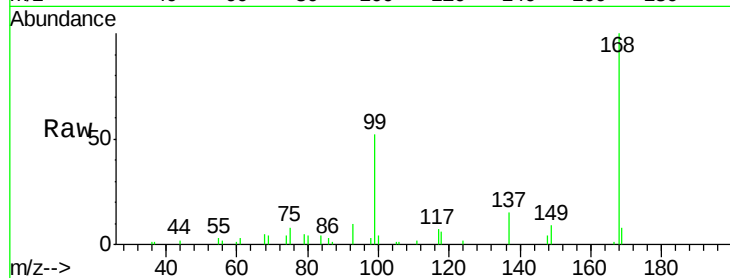
ClientSampled :

Tot Ion:168 Resp: 112598

Ion Ratio Lower Upper

168 100

99 51.9 46.8 70.2

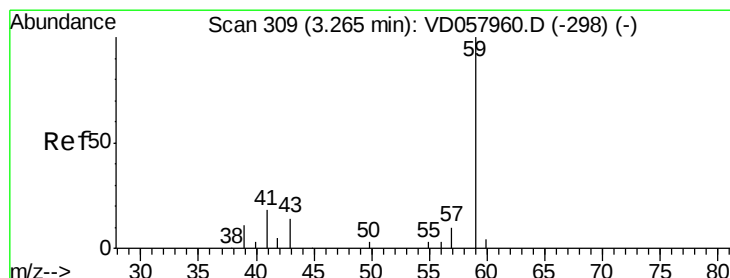
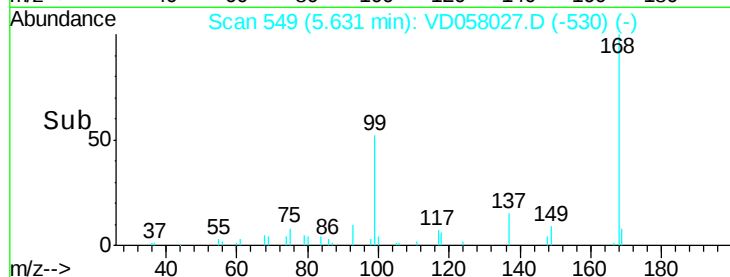


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.63

Time-->



#11

Tert butyl alcohol

Concen: 63.138 ug/l

RT: 3.24 min Scan# 306

Delta R.T. -0.03 min

Lab File: VD058027.D

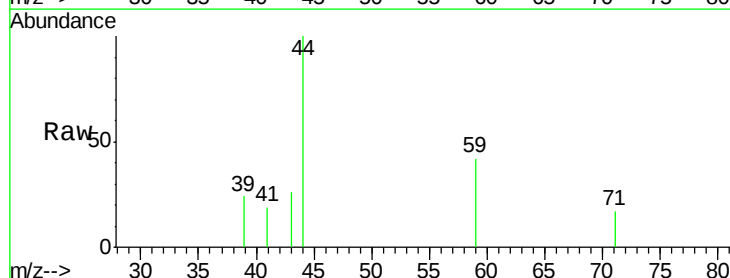
Acq: 8 Jun 2018 19:34

Tgt Ion: 59 Resp: 1904

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#

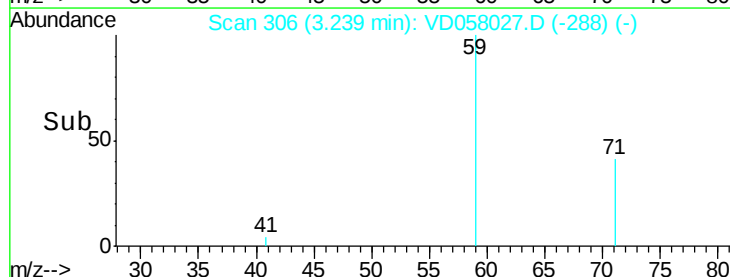


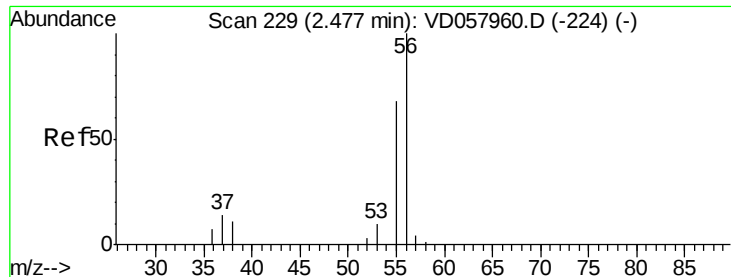
Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

3.24

Time-->





#13

Acrolein

Concen: 4.191 ug/l

RT: 2.35 min Scan# 216

Delta R.T. -0.12 min

Lab File: VD058027.D

Acq: 8 Jun 2018 19:34

Instrument :

MSVOA_D

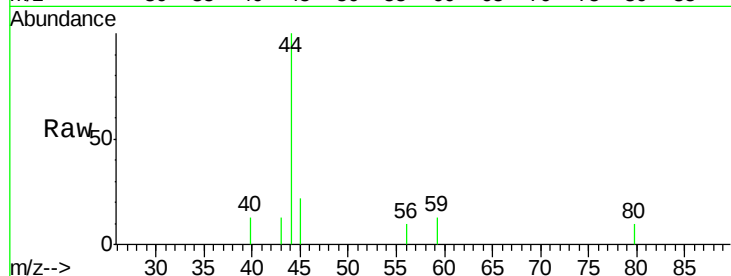
ClientSampleId :

Tot Ion: 56 Resp: 181

Ion Ratio Lower Upper

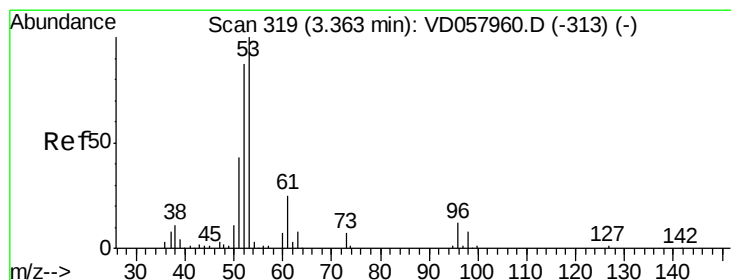
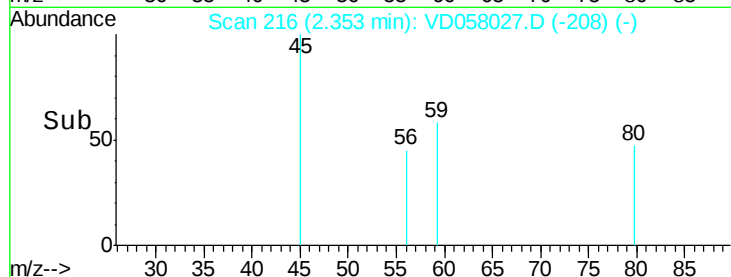
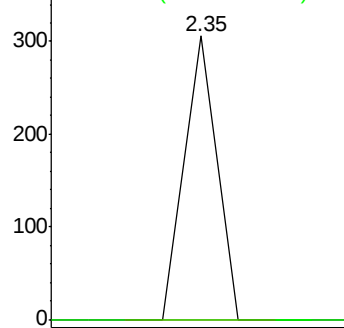
56 100

55 0.0 54.0 81.0#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#15

Acrylonitrile

Concen: 1.230 ug/l

RT: 3.20 min Scan# 302

Delta R.T. -0.16 min

Lab File: VD058027.D

Acq: 8 Jun 2018 19:34

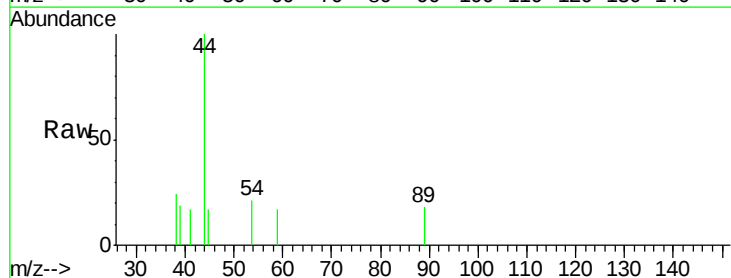
Tgt Ion: 53 Resp: 217

Ion Ratio Lower Upper

53 100

52 0.0 69.9 104.9#

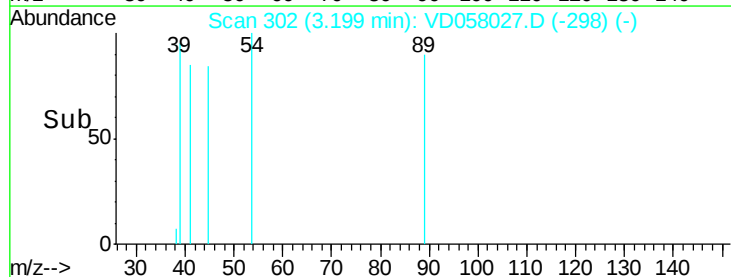
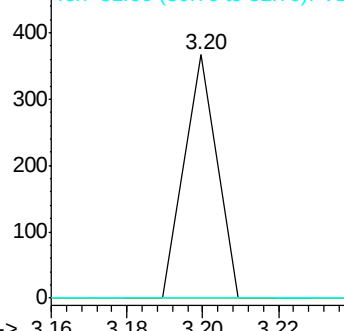
51 0.0 34.3 51.5#

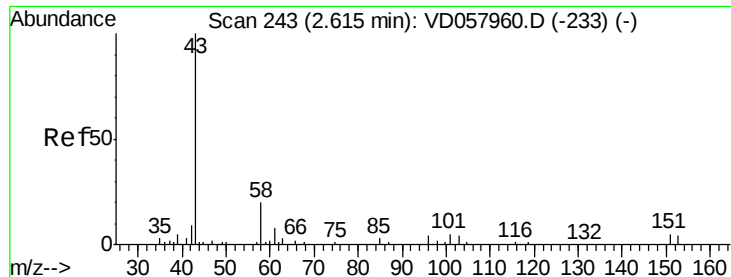


Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC





#16

Acetone

Concen: 488.658 ug/l

RT: 2.60 min Scan# 241

Delta R.T. -0.02 min

Lab File: VD058027.D

Acq: 8 Jun 2018 19:34

Instrument :

MSVOA_D

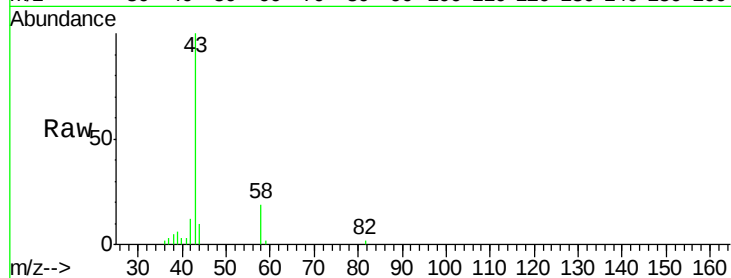
ClientSampled :

Tot Ion: 43 Resp: 79252

Ion Ratio Lower Upper

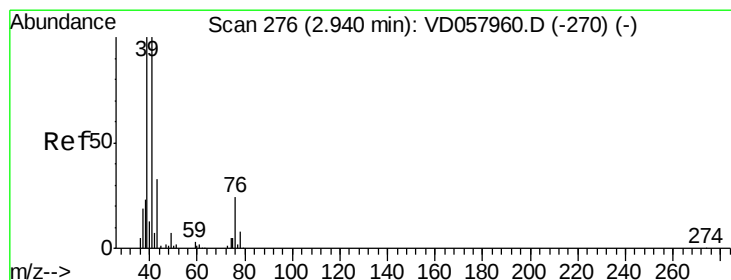
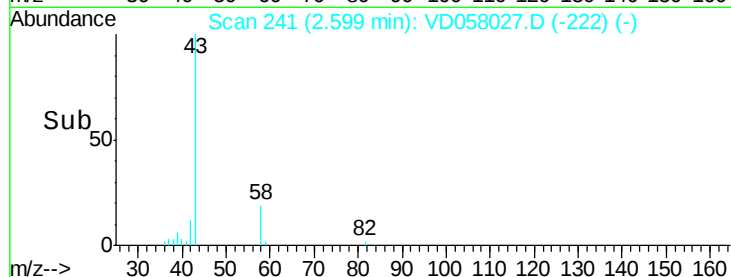
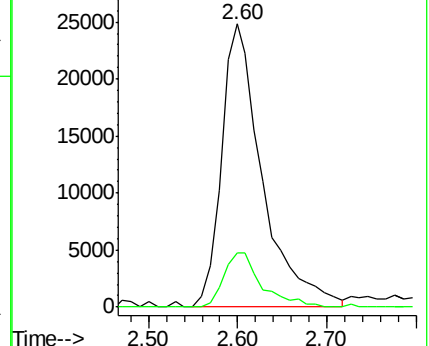
43 100

58 19.3 15.8 23.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 6.604 ug/l

RT: 2.90 min Scan# 272

Delta R.T. -0.04 min

Lab File: VD058027.D

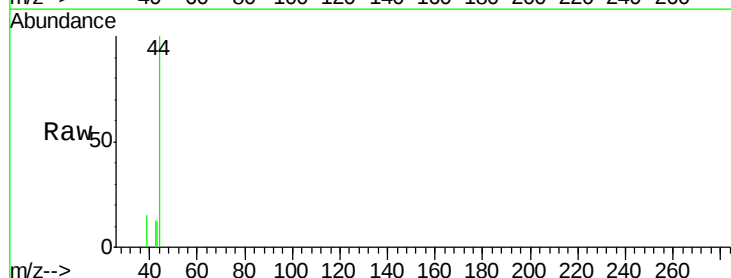
Acq: 8 Jun 2018 19:34

Tgt Ion: 43 Resp: 2072

Ion Ratio Lower Upper

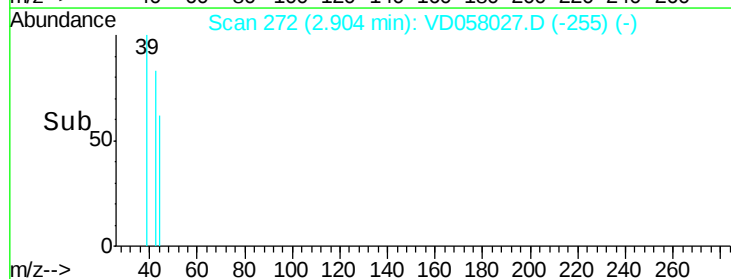
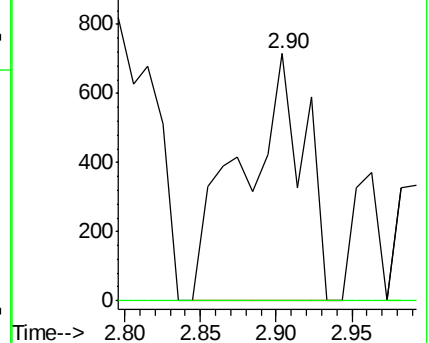
43 100

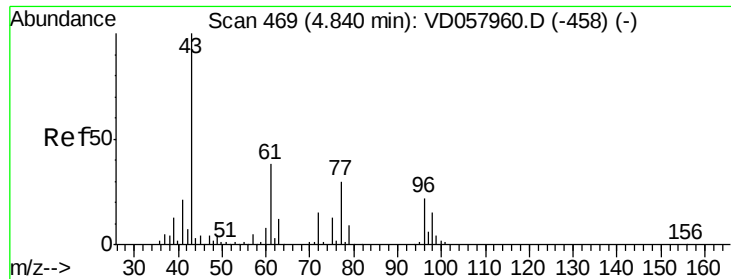
74 0.0 11.2 16.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC





#25

2-Butanone

Concen: 15.752 ug/l

RT: 4.82 min Scan# 467

Delta R.T. -0.02 min

Lab File: VD058027.D

Acq: 8 Jun 2018 19:34

Instrument :

MSVOA_D

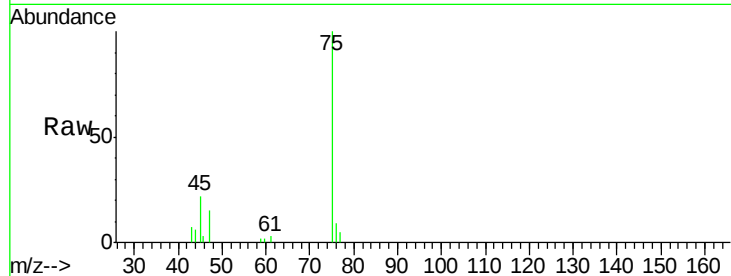
ClientSampleId :

Tot Ion: 43 Resp: 5806

Ion Ratio Lower Upper

43 100

72 0.0 12.0 18.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

4.82

1500

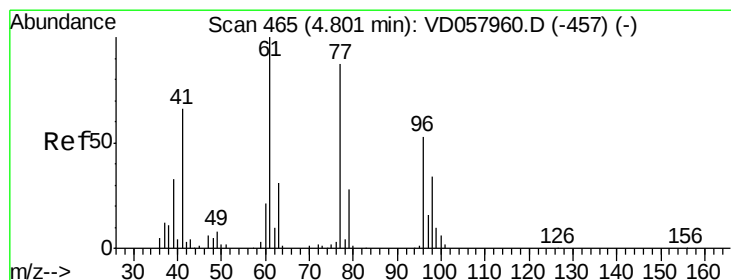
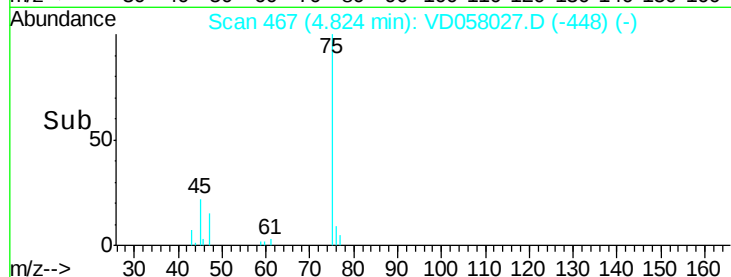
1000

500

0

4.75 4.80 4.85 4.90

Time-->



#26

2,2-Dichloropropane

Concen: 1.913 ug/l

RT: 4.84 min Scan# 469

Delta R.T. 0.04 min

Lab File: VD058027.D

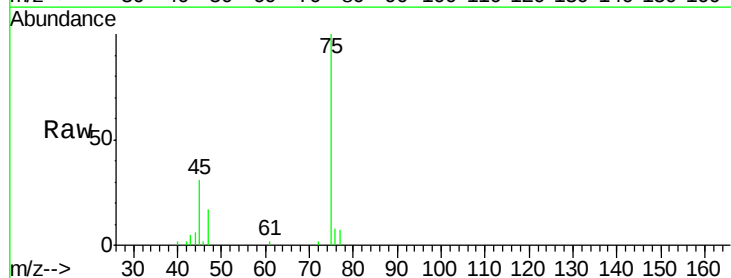
Acq: 8 Jun 2018 19:34

Tgt Ion: 77 Resp: 3574

Ion Ratio Lower Upper

77 100

97 0.0 9.2 27.6#



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

4.84

1500

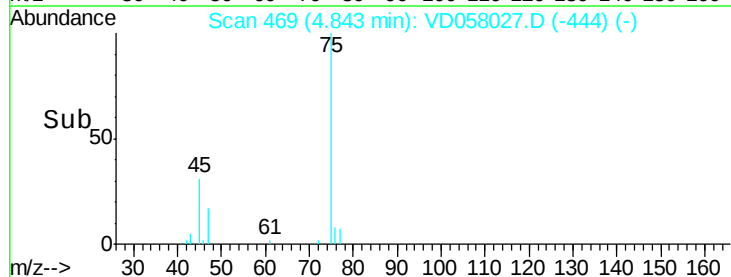
1000

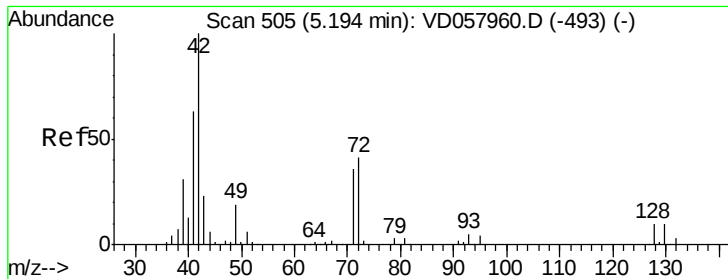
500

0

4.75 4.80 4.85 4.90

Time-->

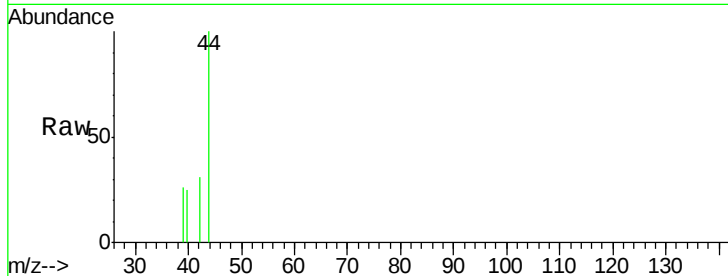




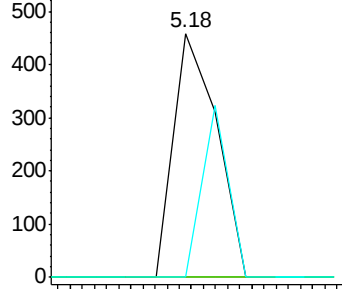
#29
Tetrahydrofuran
Concen: 2.355 ug/l
RT: 5.18 min Scan# 503
Delta R.T. -0.02 min
Lab File: VD058027.D
Acq: 8 Jun 2018 19:34

Instrument :
MSVOA_D
ClientSampleId :

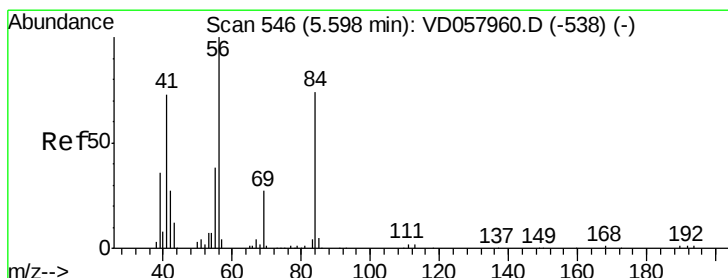
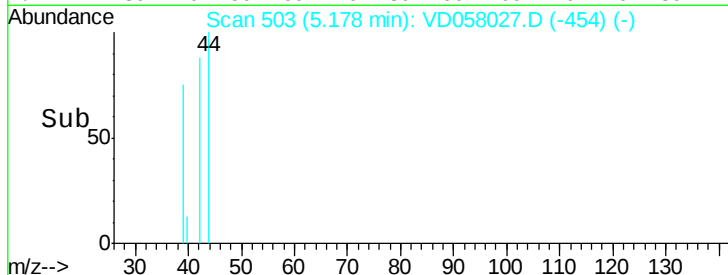
Tot Ion: 42 Resp: 455
Ion Ratio Lower Upper
42 100
72 0.0 28.5 42.7#
71 42.0 27.9 41.9#



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

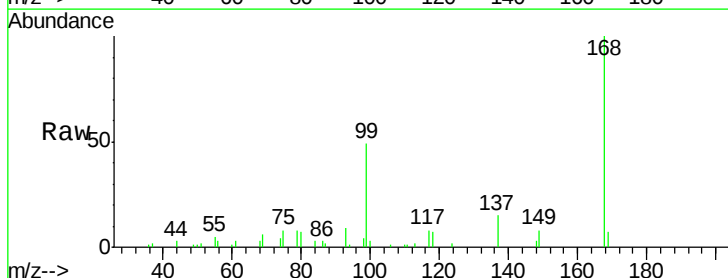


Time--> 5.14 5.16 5.18 5.20 5.22

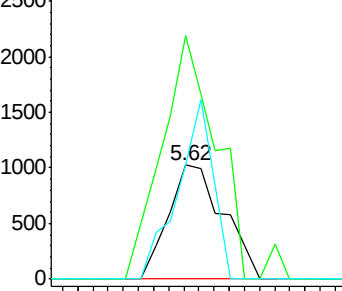


#31
Cyclohexane
Concen: 1.330 ug/l
RT: 5.62 min Scan# 548
Delta R.T. 0.02 min
Lab File: VD058027.D
Acq: 8 Jun 2018 19:34

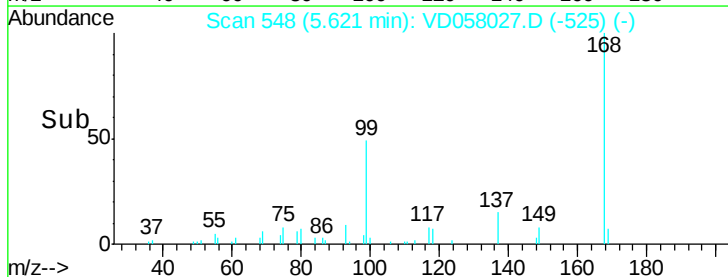
Tgt Ion: 56 Resp: 2603
Ion Ratio Lower Upper
56 100
69 214.2 21.5 32.3#
84 100.2 61.0 91.6#

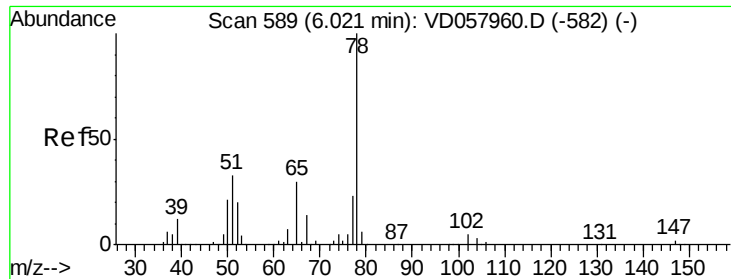


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



Time--> 5.55 5.60 5.65 5.70

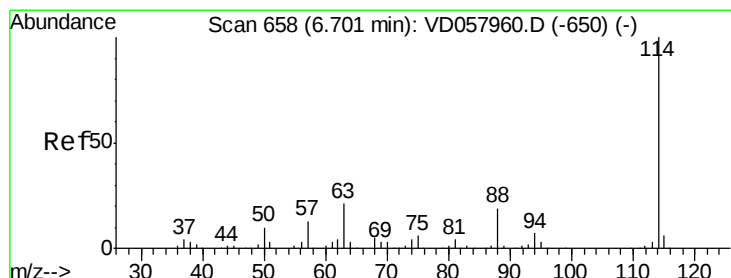
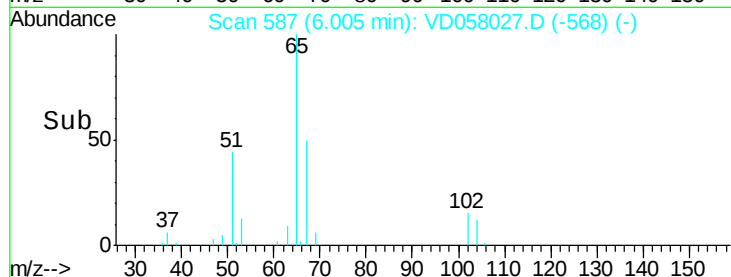
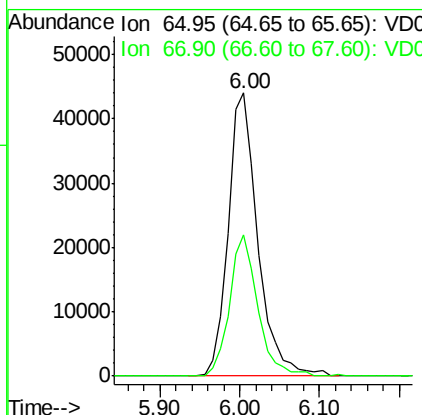
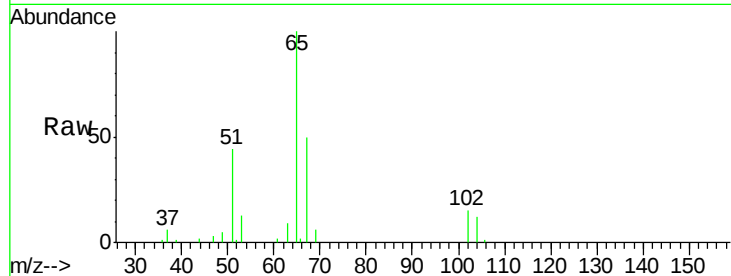




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.00 min Scan# 587
 Delta R.T. -0.02 min
 Lab File: VD058027.D
 Acq: 8 Jun 2018 19:34

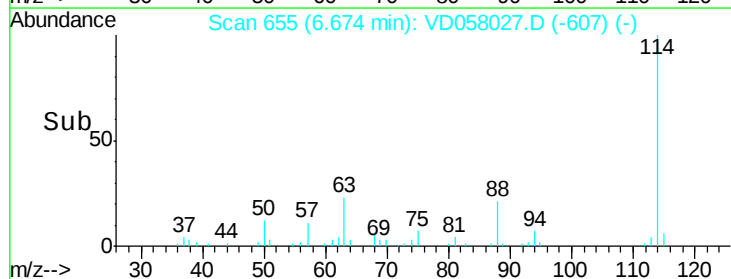
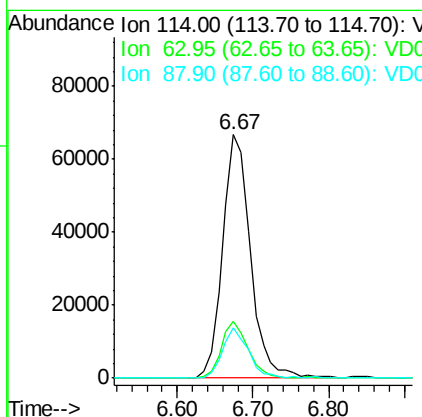
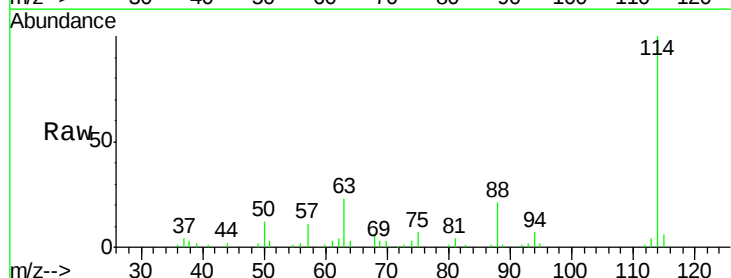
Instrument :
 MSVOA_D
 ClientSampleId :

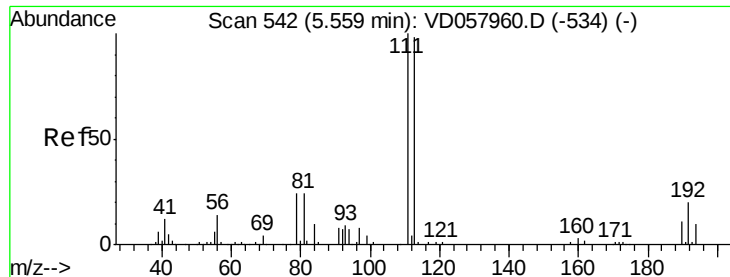
Tot Ion: 65 Resp: 114041
 Ion Ratio Lower Upper
 65 100
 67 49.8 0.0 94.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.67 min Scan# 655
 Delta R.T. -0.03 min
 Lab File: VD058027.D
 Acq: 8 Jun 2018 19:34

Tgt Ion: 114 Resp: 169660
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 42.8
 88 20.7 0.0 37.8





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.53 min Scan# 539

Delta R.T. -0.03 min

Lab File: VD058027.D

Acq: 8 Jun 2018 19:34

Instrument :
MSVOA_D
ClientSampleId :

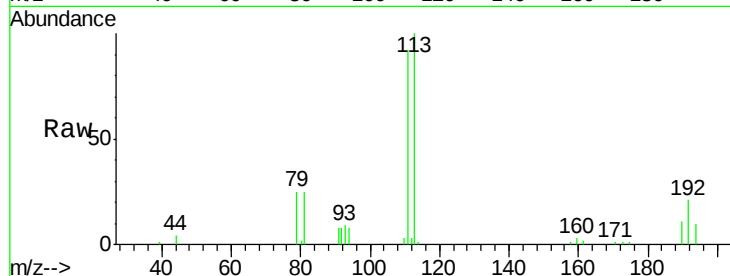
Tot Ion:113 Resp: 87223

Ion Ratio Lower Upper

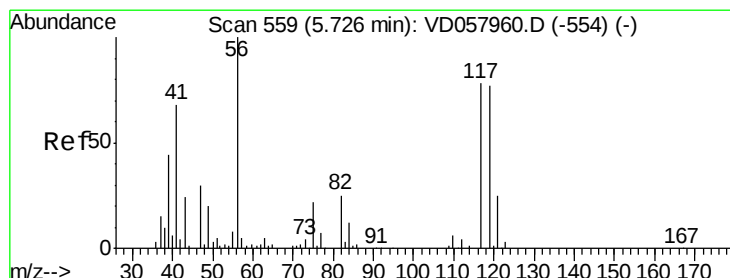
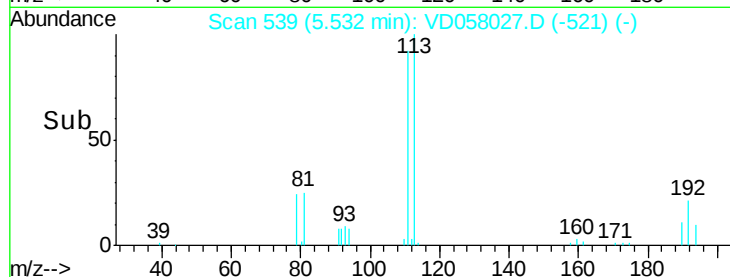
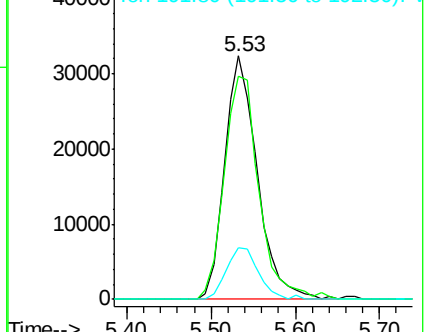
113 100

111 91.7 81.5 122.3

192 21.4 16.4 24.6



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



#38

Carbon Tetrachloride

Concen: 4.661 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.09 min

Lab File: VD058027.D

Acq: 8 Jun 2018 19:34

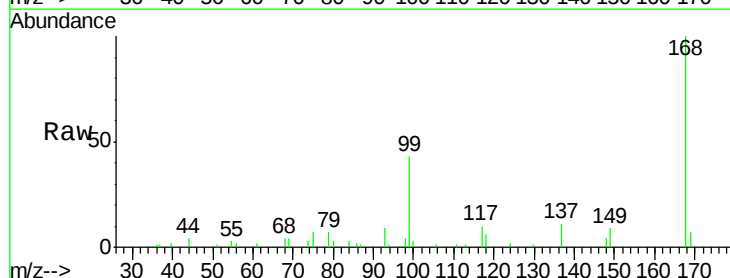
Tgt Ion:117 Resp: 8587

Ion Ratio Lower Upper

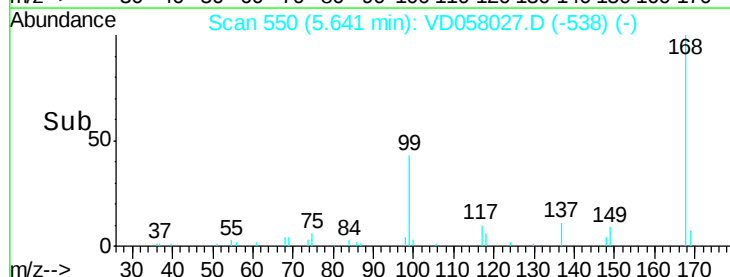
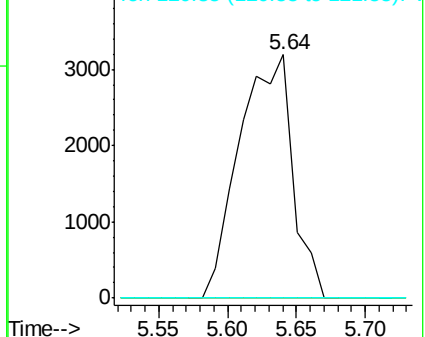
117 100

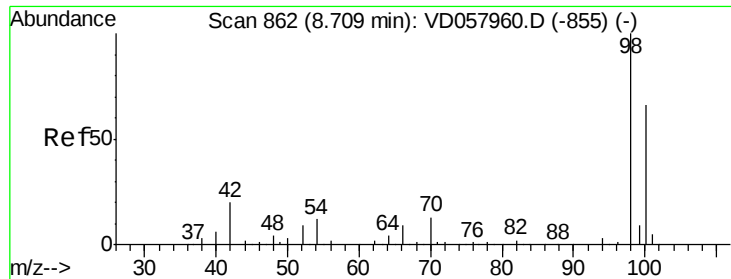
119 0.0 76.1 114.1#

121 0.0 24.9 37.3#



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. -0.02 min

Lab File: VD058027.D

Acq: 8 Jun 2018 19:34

Instrument :

MSVOA_D

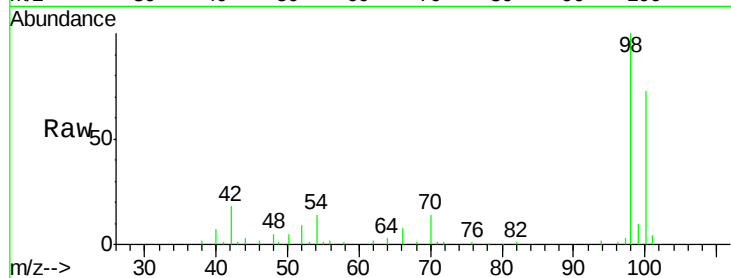
ClientSampleId :

Tot Ion: 98 Resp: 168571

Ion Ratio Lower Upper

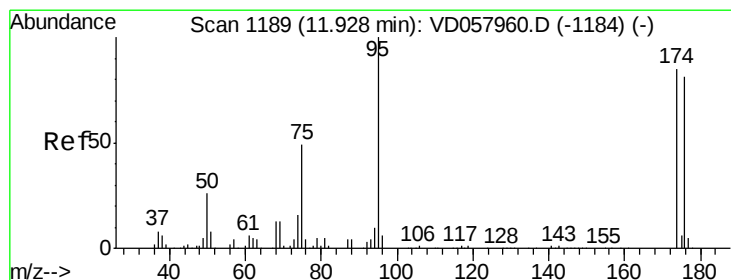
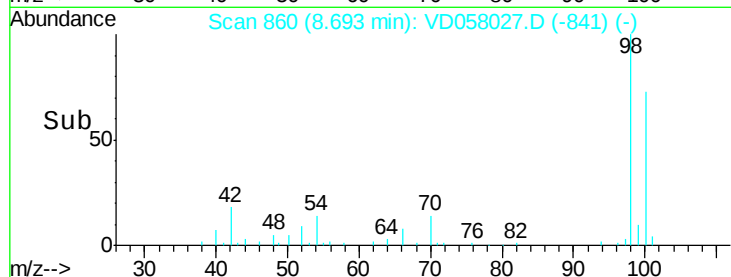
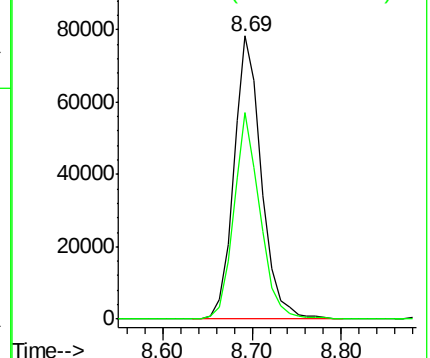
98 100

100 73.0 53.4 80.0



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: 11.92 min Scan# 1188

Delta R.T. -0.01 min

Lab File: VD058027.D

Acq: 8 Jun 2018 19:34

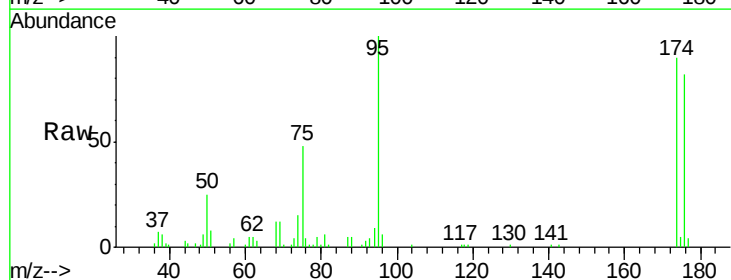
Tgt Ion: 95 Resp: 84933

Ion Ratio Lower Upper

95 100

174 90.4 0.0 169.4

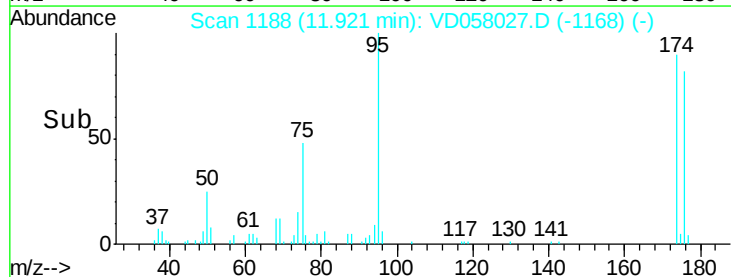
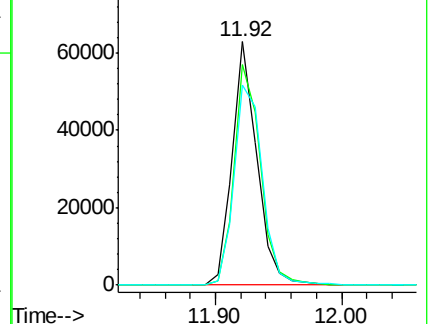
176 82.2 0.0 162.6

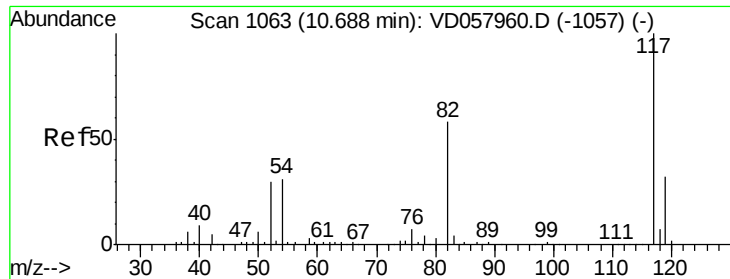


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): VDC

Ion 175.90 (175.60 to 176.60): VDC

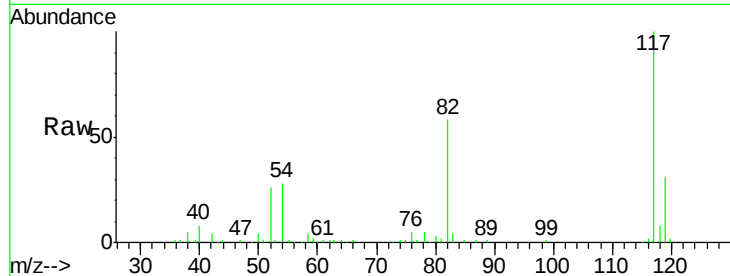




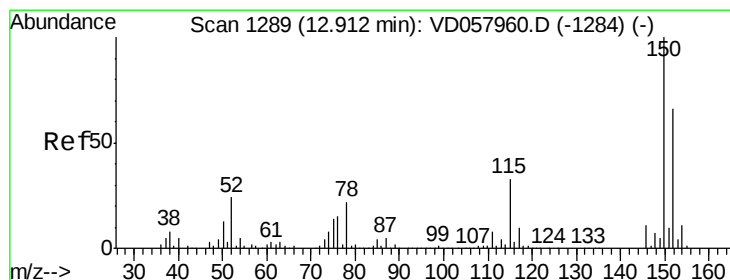
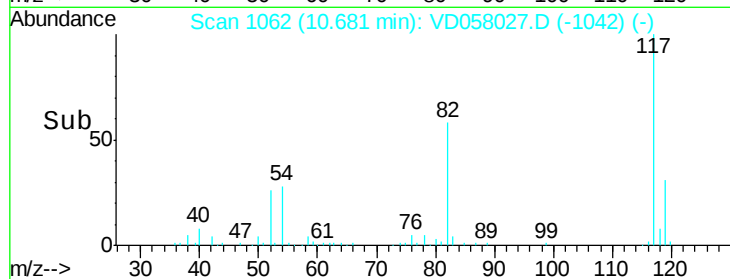
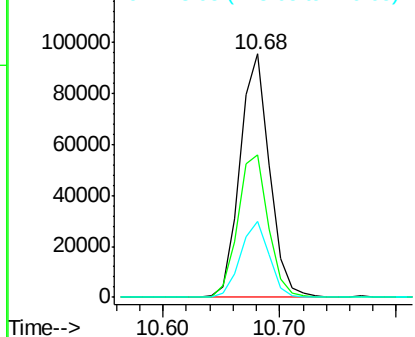
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.68 min Scan# 1062
 Delta R.T. -0.01 min
 Lab File: VD058027.D
 Acq: 8 Jun 2018 19:34

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:117 Resp: 168224
 Ion Ratio Lower Upper
 117 100
 82 58.4 46.8 70.2
 119 31.3 25.8 38.6

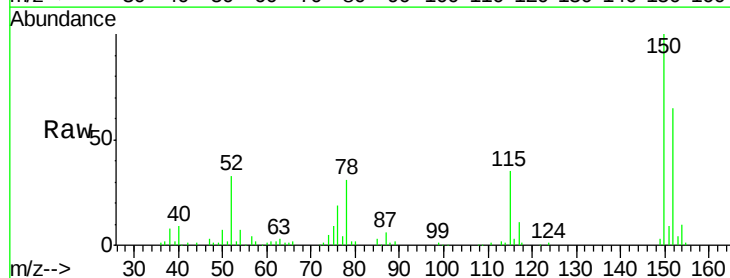


Abundance Ion 116.95 (116.65 to 117.65): V
 Ion 82.05 (81.75 to 82.75): V
 Ion 118.95 (118.65 to 119.65): V

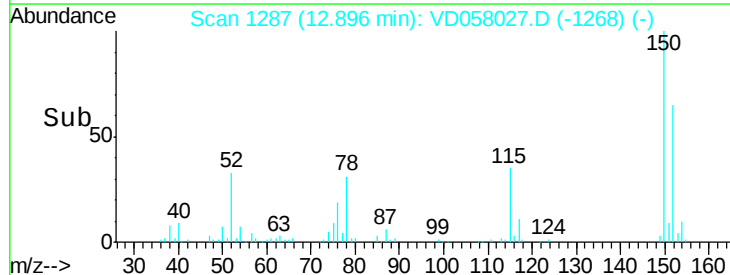
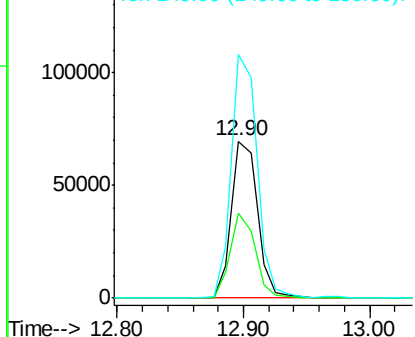


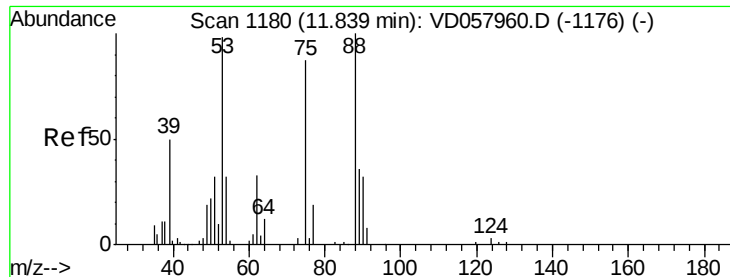
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.90 min Scan# 1287
 Delta R.T. -0.02 min
 Lab File: VD058027.D
 Acq: 8 Jun 2018 19:34

Tgt Ion:152 Resp: 99596
 Ion Ratio Lower Upper
 152 100
 115 53.9 25.6 76.6
 150 155.0 0.0 306.8



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

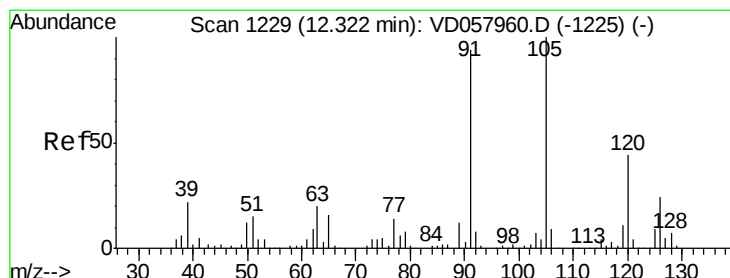
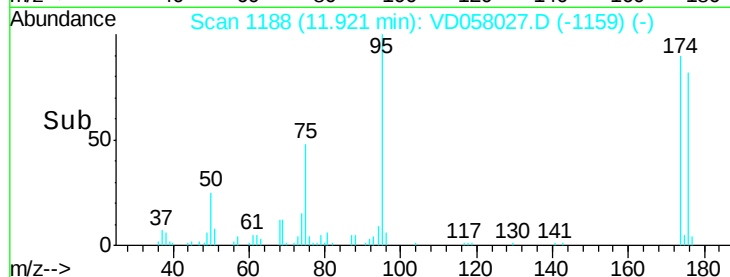
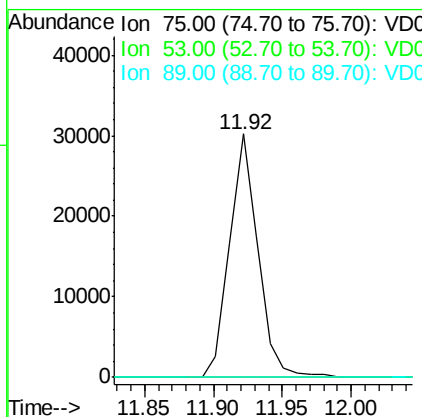
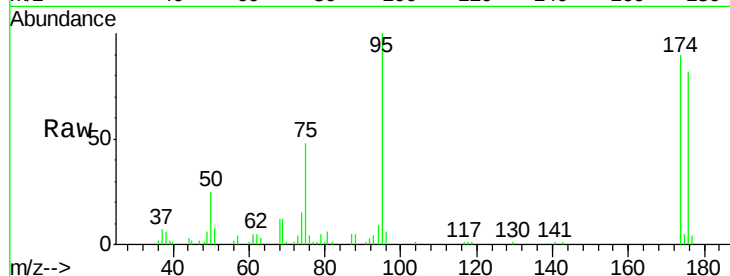




#81
trans-1,4-Dichloro-2-butene
Concen: 117.062 ug/l
RT: 11.92 min Scan# 1188
Delta R.T. 0.08 min
Lab File: VD058027.D
Acq: 8 Jun 2018 19:34

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 75 Resp: 43378
Ion Ratio Lower Upper
75 100
53 0.0 89.3 133.9#
89 0.0 33.3 49.9#



#82
4-Chlorotoluene
Concen: Below Cal
RT: 12.32 min Scan# 1228
Delta R.T. -0.01 min
Lab File: VD058027.D
Acq: 8 Jun 2018 19:34

Tgt Ion: 91 Resp: 244
Ion Ratio Lower Upper
91 100
126 0.0 12.5 37.5#

