

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD060718\
 Data File : VD057993.D
 Acq On : 8 Jun 2018 3:08
 Operator : JC/SY
 Sample : J3329-01RE
 Misc : 6.11g/5ml/MSVOA_D/SOIL
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MH-29(0-5)

Quant Time: Jun 08 06:54:37 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	5.64	168	662814	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.68	114	897531	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.68	117	692335	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.90	152	339804	50.00	ug/l	-0.01

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4		6.01	65	329948	49.79	ug/l	-0.01
Spiked Amount	50.000			Recovery	=	99.58%	
35) Dibromofluoromethane		5.54	113	323158	46.54	ug/l	-0.02
Spiked Amount	50.000			Recovery	=	93.08%	
50) Toluene-d8		8.70	98	691070	41.86	ug/l	-0.01
Spiked Amount	50.000			Recovery	=	83.72%	
62) 4-Bromofluorobenzene		11.92	95	295750	41.06	ug/l	-0.01
Spiked Amount	50.000			Recovery	=	82.12%	

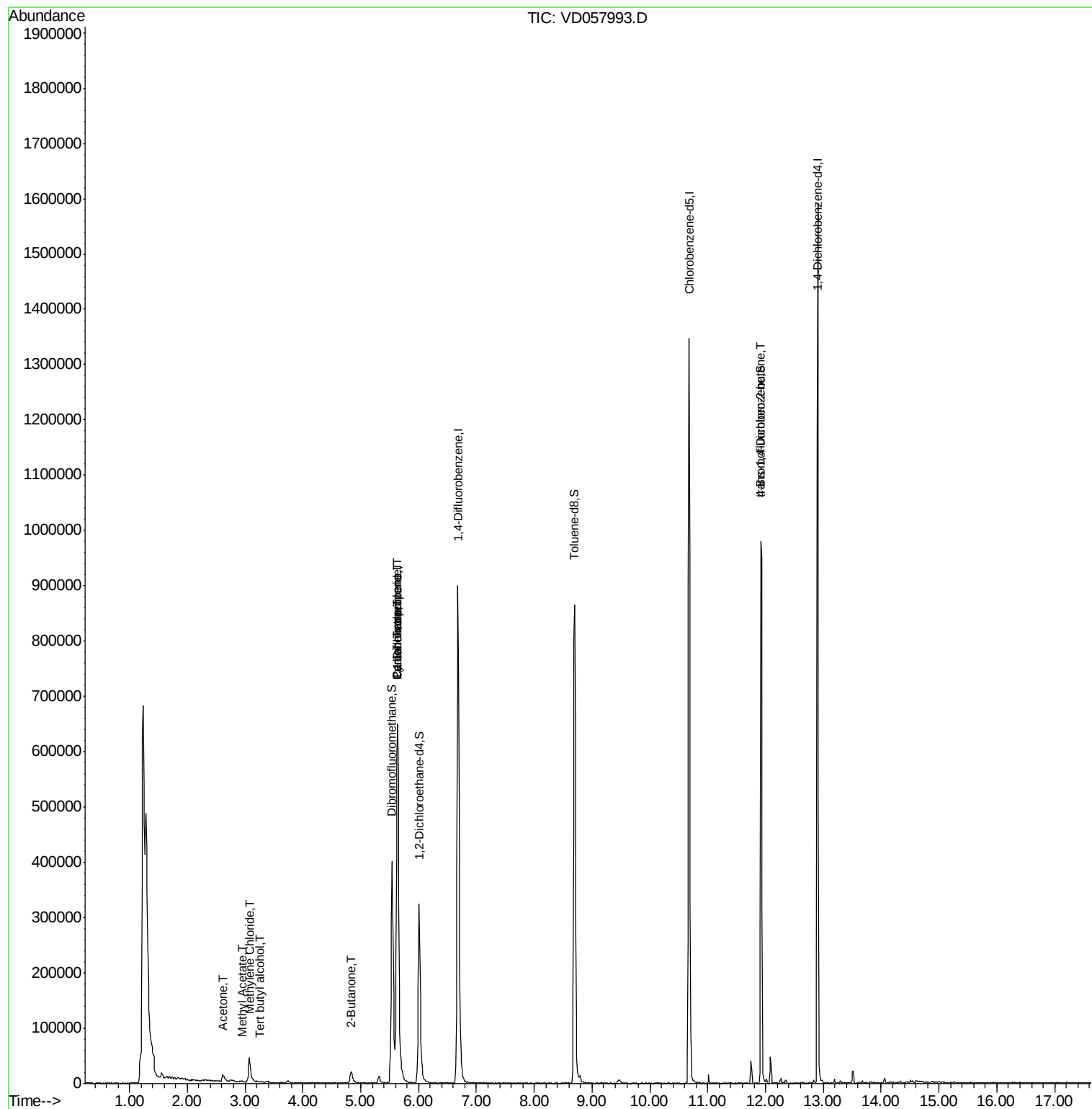
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.26	59	406	2.287	ug/l #	74
16) Acetone	2.62	43	26020	27.255	ug/l	95
18) Methyl Acetate	2.96	43	2748	1.488	ug/l #	66
20) Methylene Chloride	3.08	84	23579	2.776	ug/l #	81
25) 2-Butanone	4.83	43	3128	1.442	ug/l #	64
31) Cyclohexane	5.65	56	16841	1.462	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	59573	6.025	ug/l #	52
38) Carbon Tetrachloride	5.64	117	57898	5.941	ug/l #	16
81) trans-1,4-Dichloro-2-buten	11.92	75	145318	114.942	ug/l #	6
82) 4-Chlorotoluene	12.32	91	1093	Below Cal	#	50
89) n-Butylbenzene	13.19	91	677	Below Cal	#	79

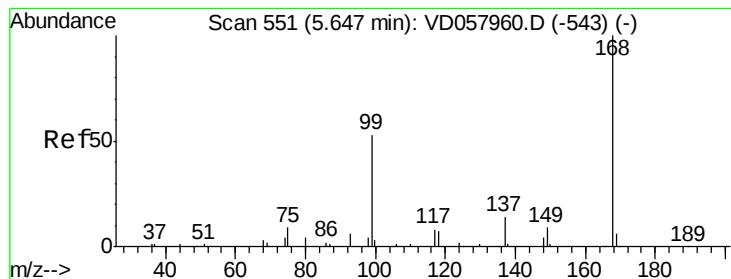
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.64 min Scan# 550

Delta R.T. -0.01 min

Lab File: VD057993.D

Acq: 8 Jun 2018 3:08

Instrument :

MSVOA_D

ClientSampleId :

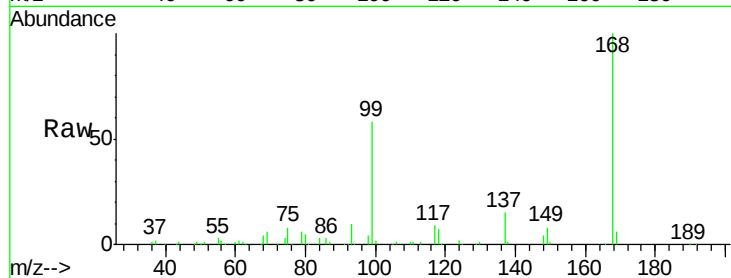
MH-29(0-5)

Tgt Ion:168 Resp: 662814

Ion Ratio Lower Upper

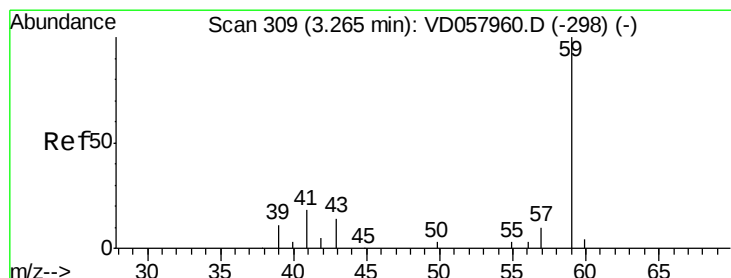
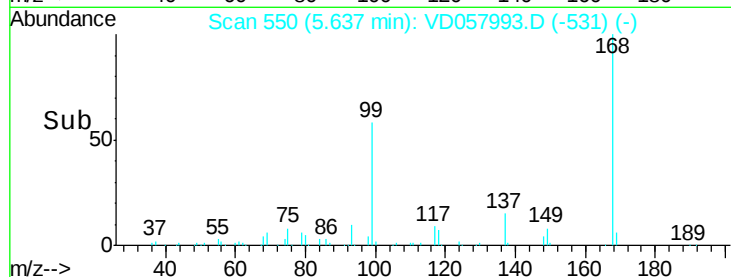
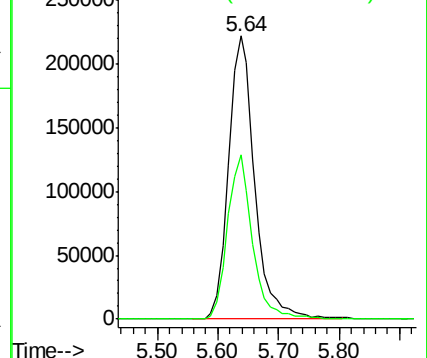
168 100

99 58.0 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 2.287 ug/l

RT: 3.26 min Scan# 309

Delta R.T. -0.00 min

Lab File: VD057993.D

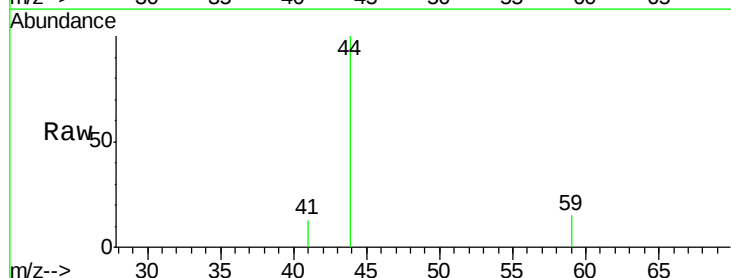
Acq: 8 Jun 2018 3:08

Tgt Ion: 59 Resp: 406

Ion Ratio Lower Upper

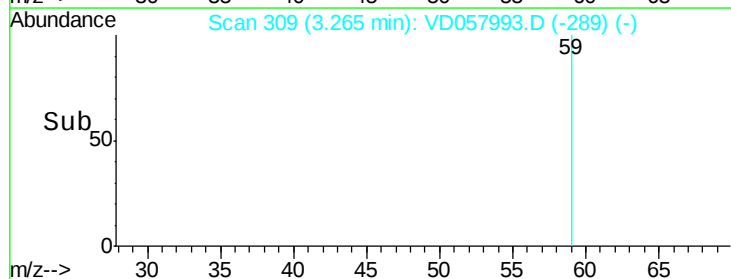
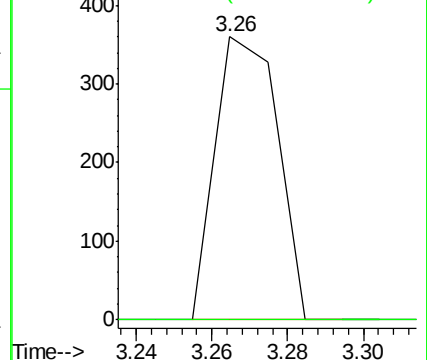
59 100

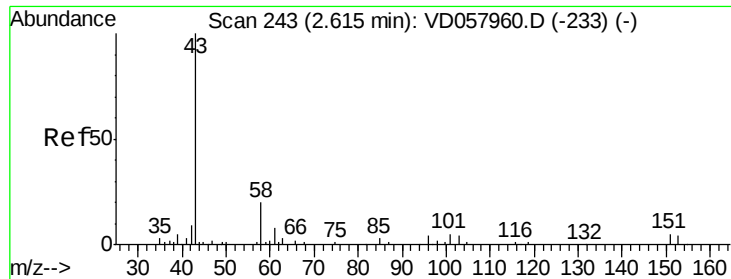
57 0.0 7.8 11.6#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 27.255 ug/l

RT: 2.62 min Scan# 243

Delta R.T. -0.00 min

Lab File: VD057993.D

Acq: 8 Jun 2018 3:08

Instrument :

MSVOA_D

ClientSampleId :

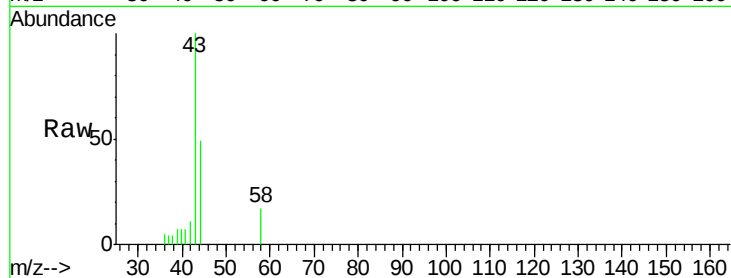
MH-29(0-5)

Tgt Ion: 43 Resp: 26020

Ion Ratio Lower Upper

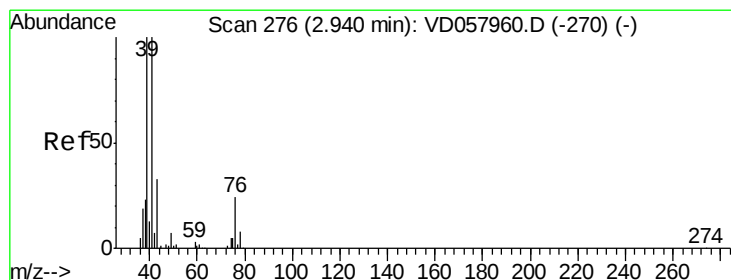
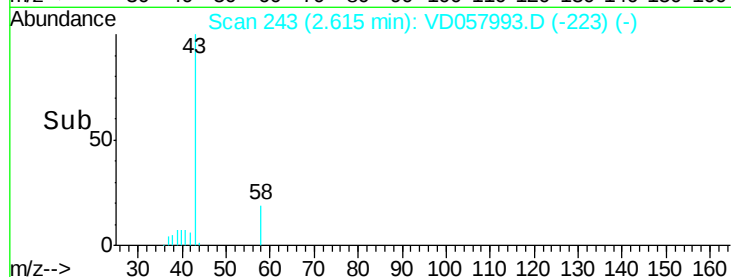
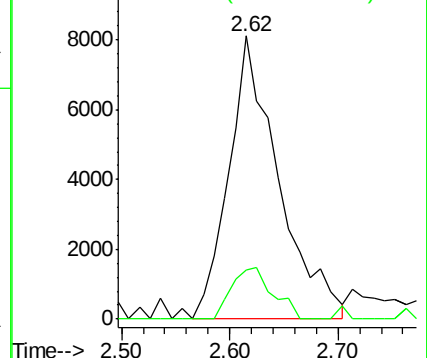
43 100

58 17.3 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: 1.488 ug/l

RT: 2.96 min Scan# 278

Delta R.T. 0.02 min

Lab File: VD057993.D

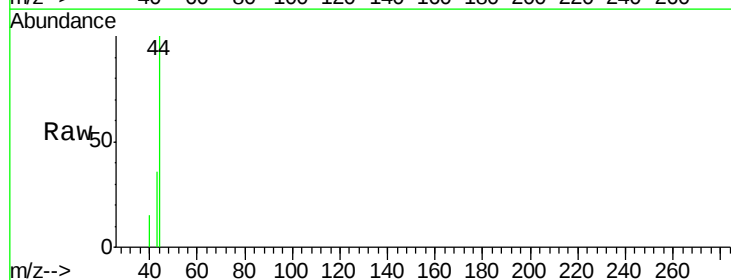
Acq: 8 Jun 2018 3:08

Tgt Ion: 43 Resp: 2748

Ion Ratio Lower Upper

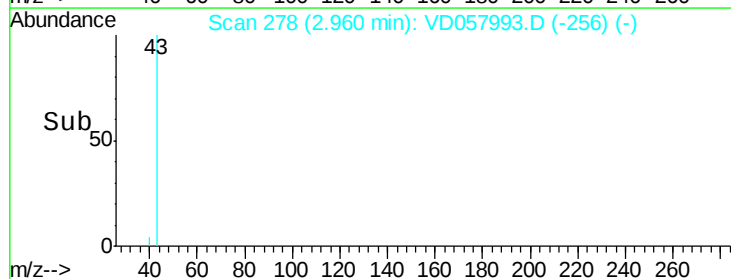
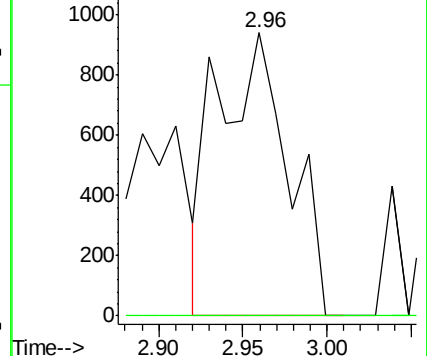
43 100

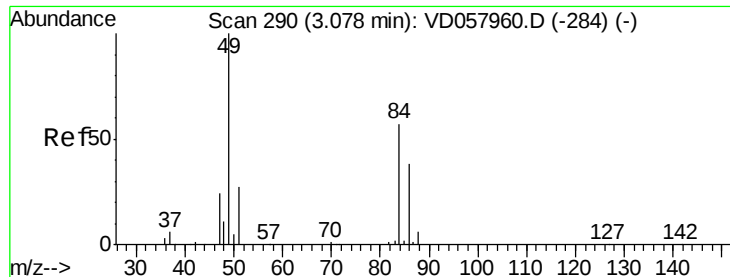
74 0.0 11.2 16.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

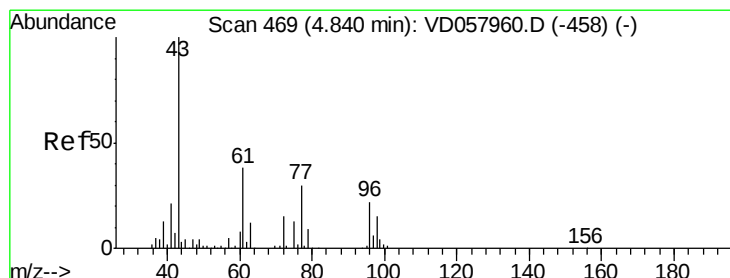
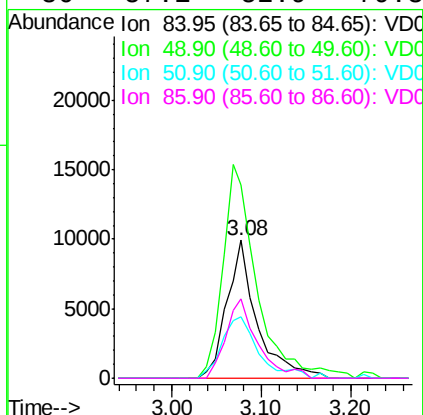
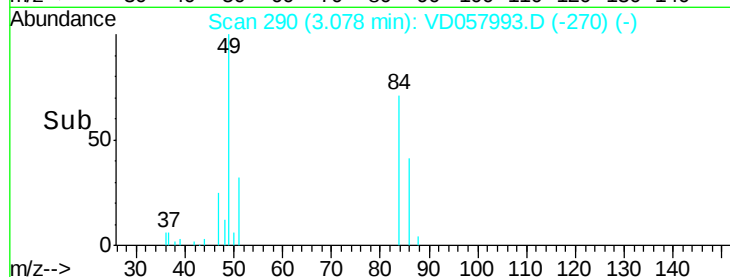
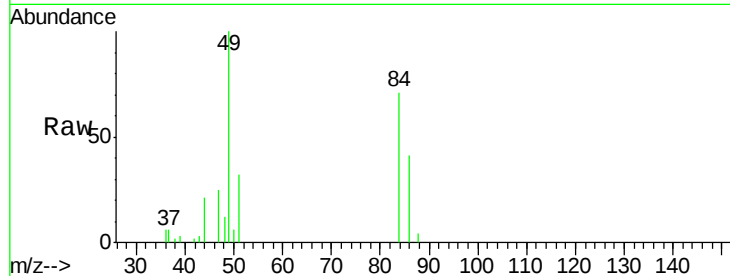




#20
Methylene Chloride
Concen: 2.776 ug/l
RT: 3.08 min Scan# 290
Delta R.T. 0.00 min
Lab File: VD057993.D
Acq: 8 Jun 2018 3:08

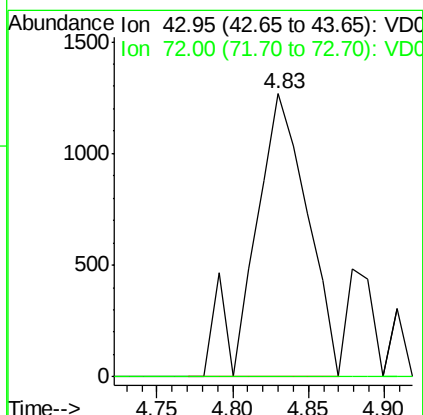
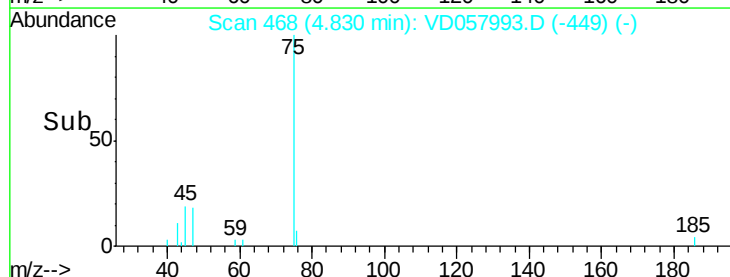
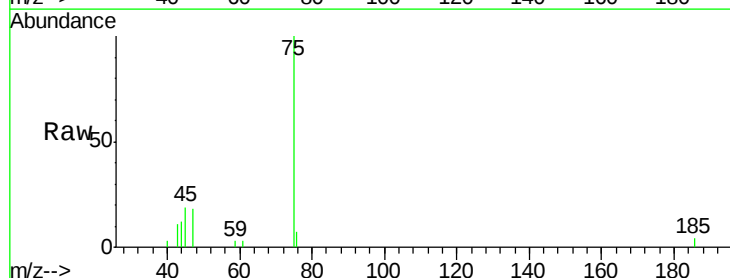
Instrument :
MSVOA_D
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MH-29(0-5)

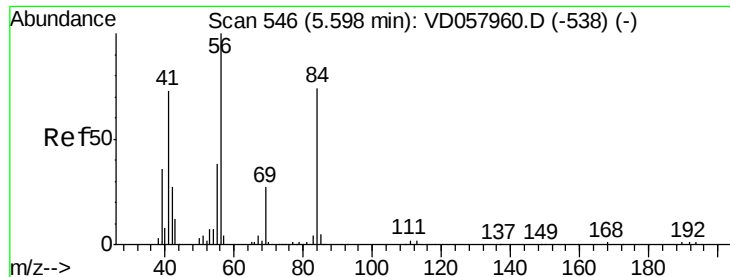
Tgt Ion: 84 Resp: 23579
Ion Ratio Lower Upper
84 100
49 139.9 141.4 212.0#
51 44.9 38.3 57.5
86 57.1 52.9 79.3



#25
2-Butanone
Concen: 1.442 ug/l
RT: 4.83 min Scan# 468
Delta R.T. -0.01 min
Lab File: VD057993.D
Acq: 8 Jun 2018 3:08

Tgt Ion: 43 Resp: 3128
Ion Ratio Lower Upper
43 100
72 0.0 12.0 18.0#

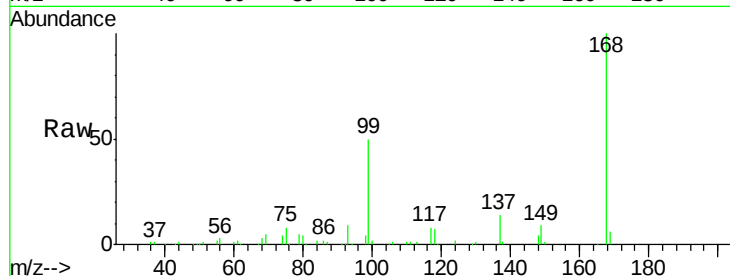




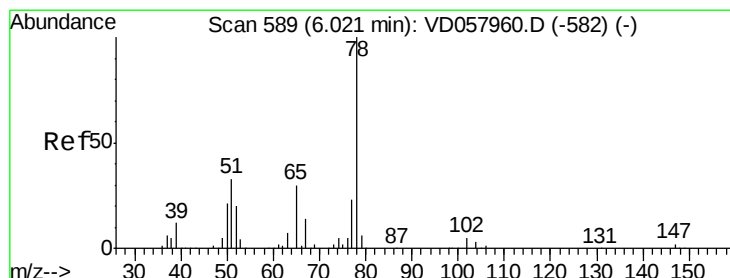
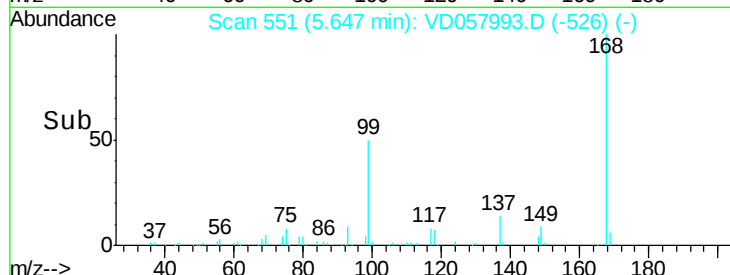
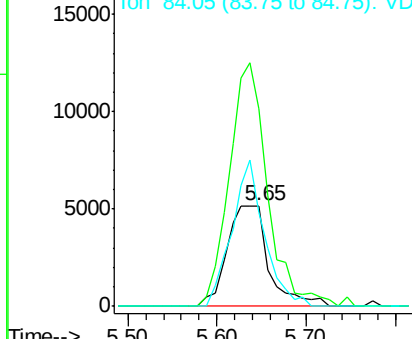
#31
Cyclohexane
Concen: 1.462 ug/l
RT: 5.65 min Scan# 551
Delta R.T. 0.05 min
Lab File: VD057993.D
Acq: 8 Jun 2018 3:08

Instrument :
MSVOA_D
ClientSampleId :
MH-29(0-5)

Tgt Ion: 56 Resp: 16841
Ion Ratio Lower Upper
56 100
69 196.4 21.5 32.3#
84 93.5 61.0 91.6#

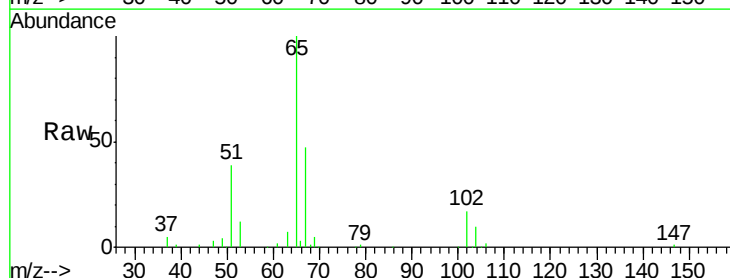


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

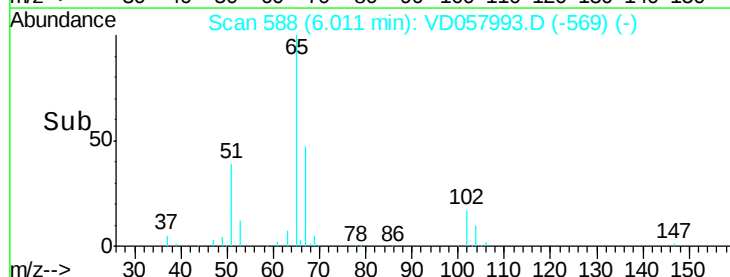
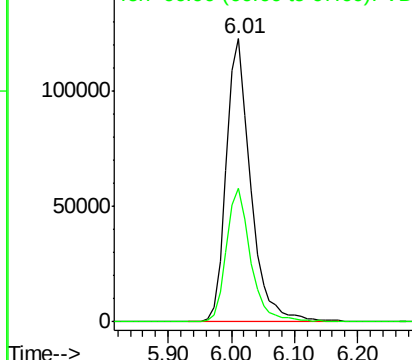


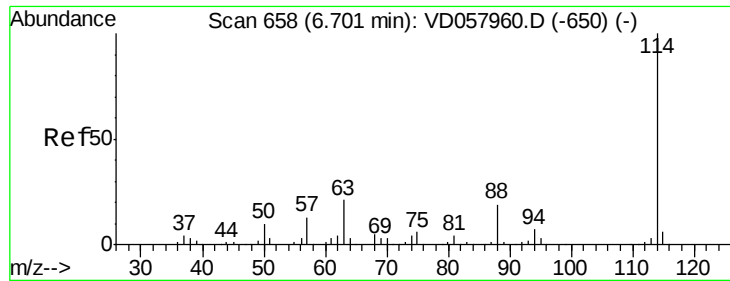
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.01 min Scan# 588
Delta R.T. -0.01 min
Lab File: VD057993.D
Acq: 8 Jun 2018 3:08

Tgt Ion: 65 Resp: 329948
Ion Ratio Lower Upper
65 100
67 47.2 0.0 94.0



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

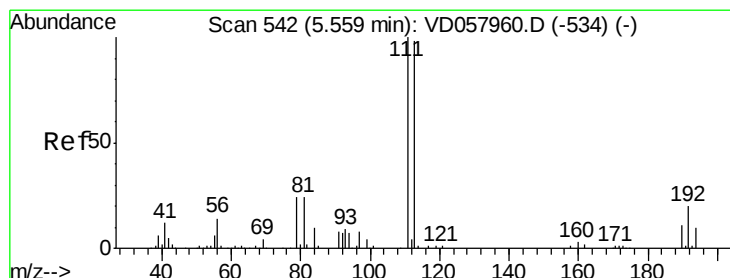
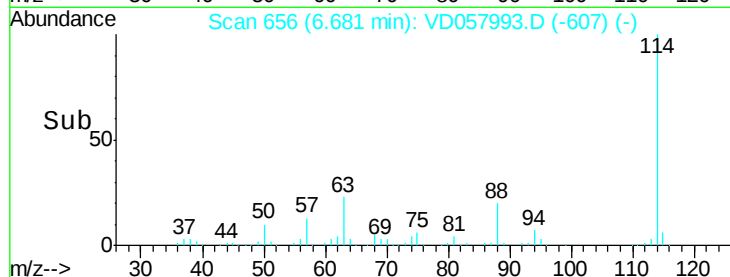
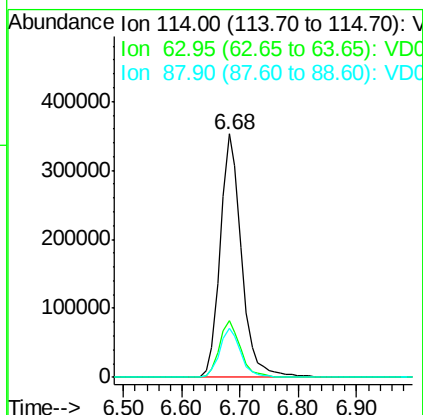
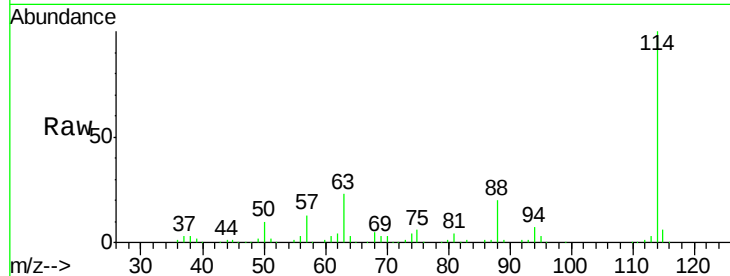




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.68 min Scan# 656
 Delta R.T. -0.02 min
 Lab File: VD057993.D
 Acq: 8 Jun 2018 3:08

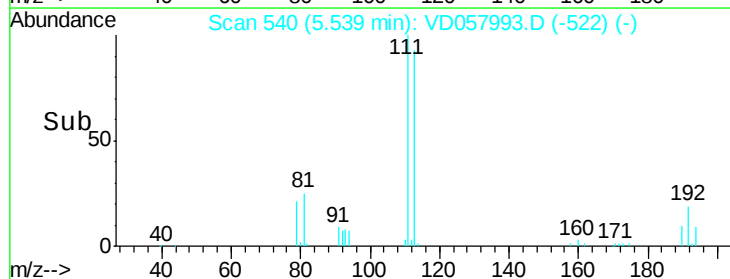
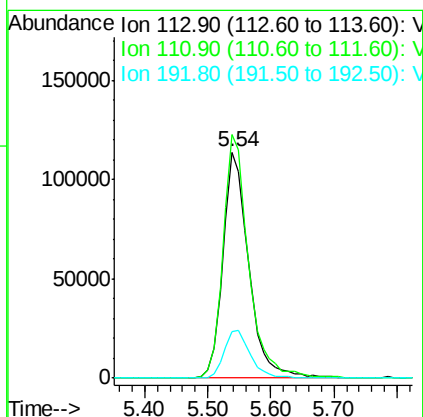
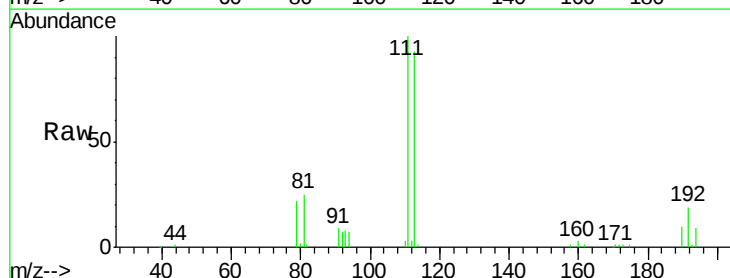
Instrument :
 MSVOA_D
 ClientSampleId :
 MH-29(0-5)

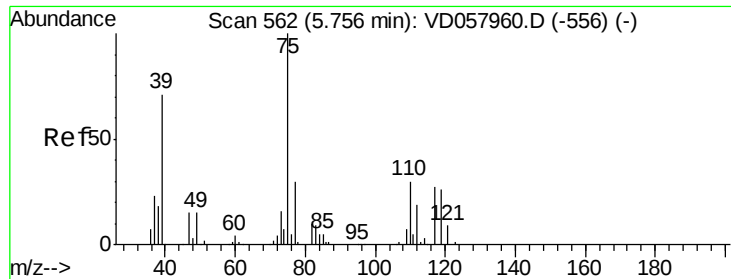
Tgt Ion:114 Resp: 897531
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 42.8
 88 20.0 0.0 37.8



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.54 min Scan# 540
 Delta R.T. -0.02 min
 Lab File: VD057993.D
 Acq: 8 Jun 2018 3:08

Tgt Ion:113 Resp: 323158
 Ion Ratio Lower Upper
 113 100
 111 107.7 81.5 122.3
 192 20.8 16.4 24.6





#36

1,1-Dichloropropene

Concen: 6.025 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.12 min

Lab File: VD057993.D

Acq: 8 Jun 2018 3:08

Instrument :

MSVOA_D

ClientSampleId :

MH-29(0-5)

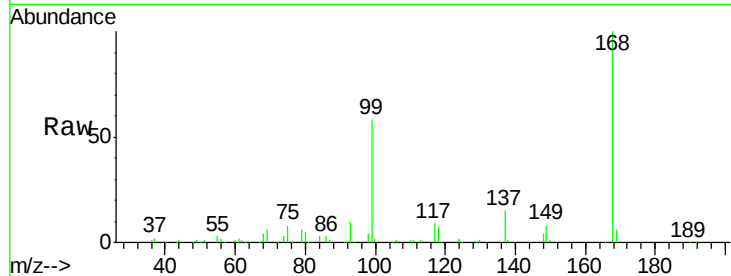
Tgt Ion: 75 Resp: 59573

Ion Ratio Lower Upper

75 100

110 7.2 14.8 44.3#

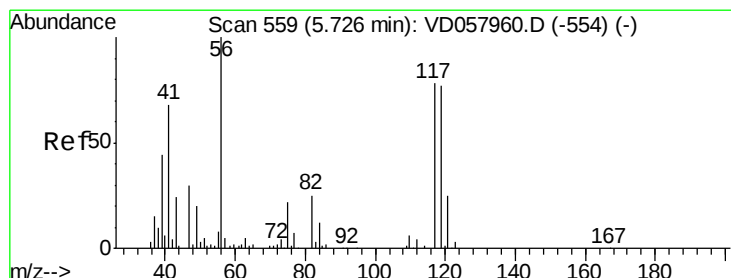
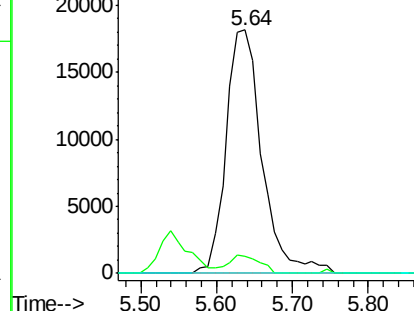
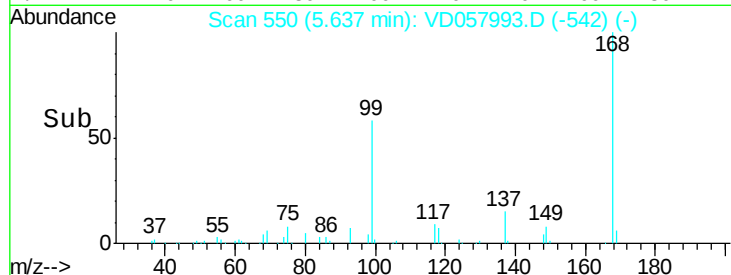
77 0.0 23.9 35.9#



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: 5.941 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.09 min

Lab File: VD057993.D

Acq: 8 Jun 2018 3:08

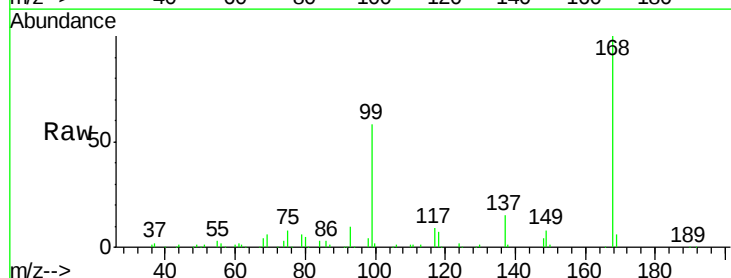
Tgt Ion: 117 Resp: 57898

Ion Ratio Lower Upper

117 100

119 4.3 76.1 114.1#

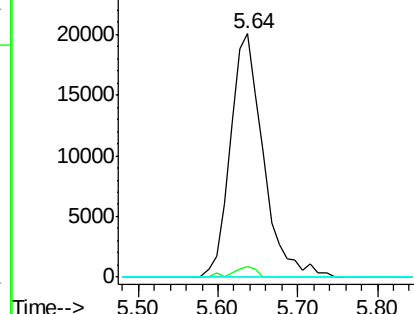
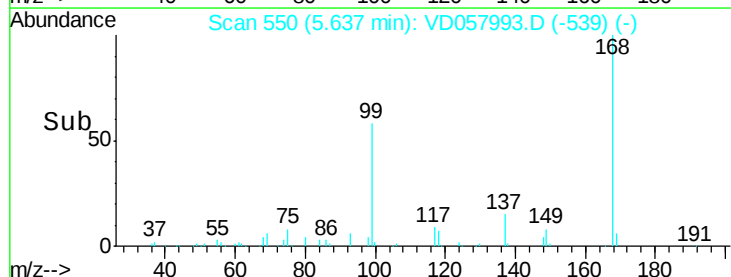
121 0.0 24.9 37.3#

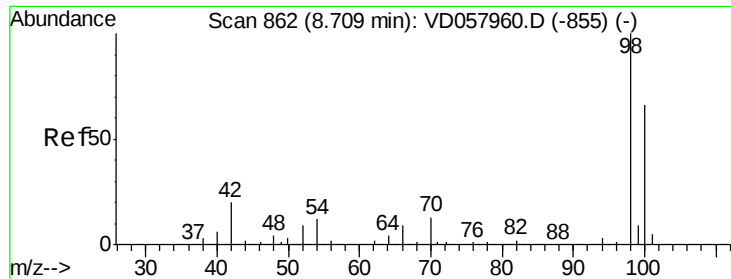


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

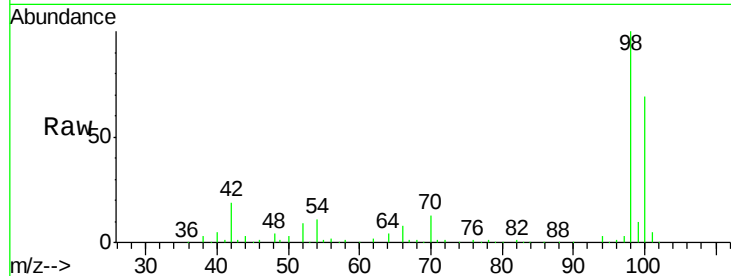




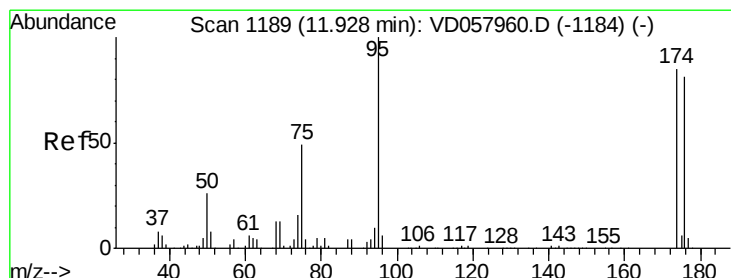
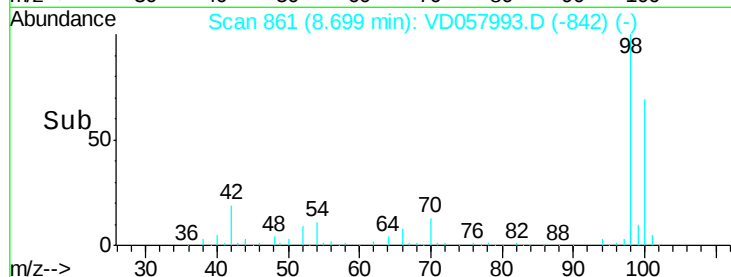
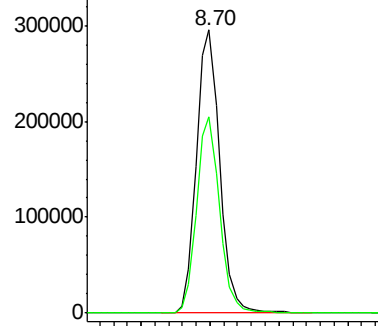
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.70 min Scan# 861
Delta R.T. -0.01 min
Lab File: VD057993.D
Acq: 8 Jun 2018 3:08

Instrument :
MSVOA_D
ClientSampleId :
MH-29(0-5)

Tgt Ion: 98 Resp: 691070
Ion Ratio Lower Upper
98 100
100 69.2 53.4 80.0

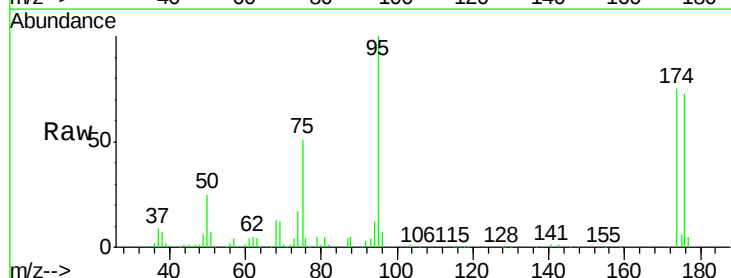


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

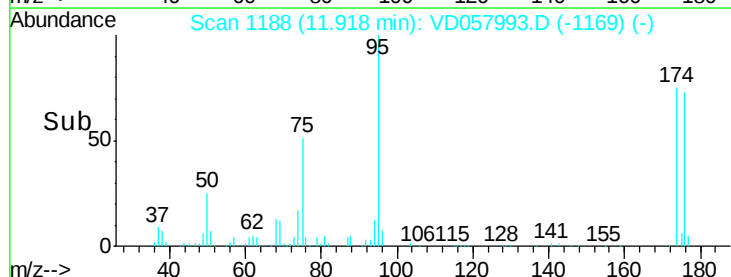
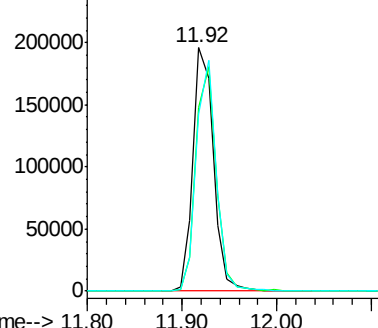


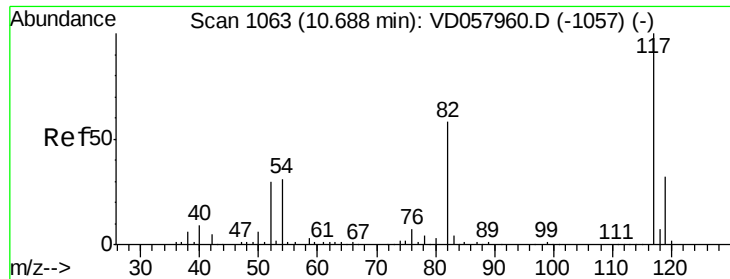
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.92 min Scan# 1188
Delta R.T. -0.01 min
Lab File: VD057993.D
Acq: 8 Jun 2018 3:08

Tgt Ion: 95 Resp: 295750
Ion Ratio Lower Upper
95 100
174 75.4 0.0 169.4
176 72.6 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

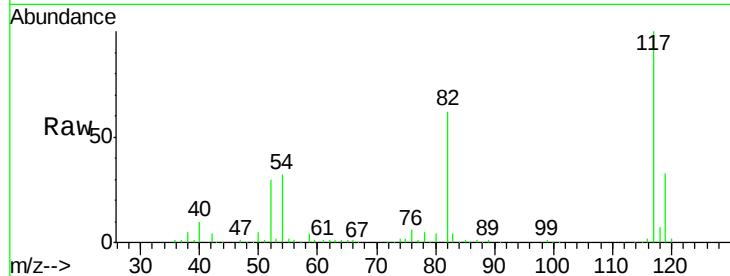




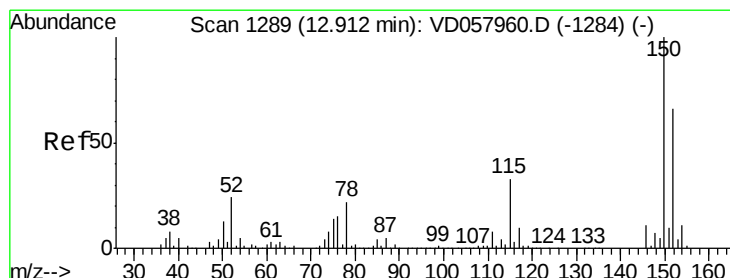
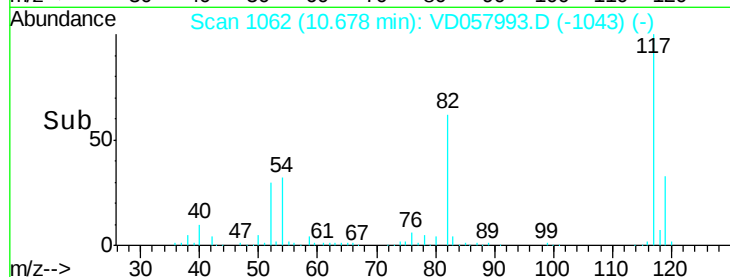
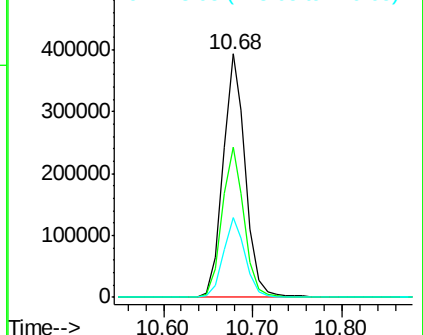
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.01 min
Lab File: VD057993.D
Acq: 8 Jun 2018 3:08

Instrument :
MSVOA_D
ClientSampleId :
MH-29(0-5)

Tgt Ion:117 Resp: 692335
Ion Ratio Lower Upper
117 100
82 61.7 46.8 70.2
119 32.6 25.8 38.6

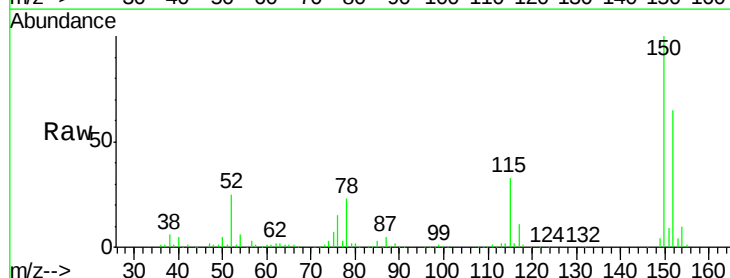


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

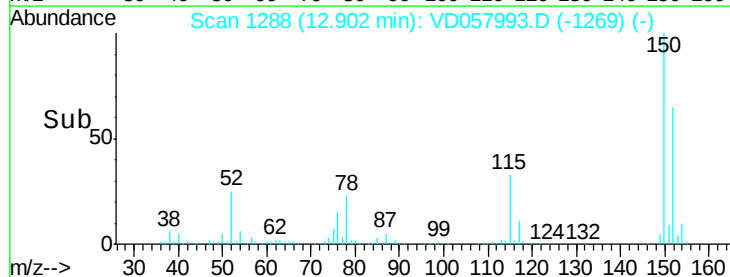
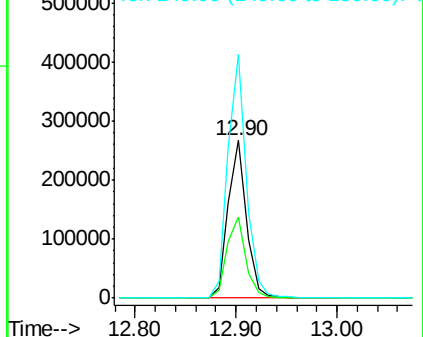


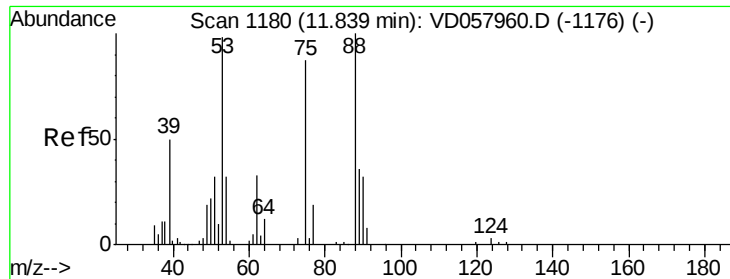
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VD057993.D
Acq: 8 Jun 2018 3:08

Tgt Ion:152 Resp: 339804
Ion Ratio Lower Upper
152 100
115 51.6 25.6 76.6
150 154.4 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: 114.942 ug/l

RT: 11.92 min Scan# 1188

Delta R.T. 0.08 min

Lab File: VD057993.D

Acq: 8 Jun 2018 3:08

Instrument :

MSVOA_D

ClientSampleId :

MH-29(0-5)

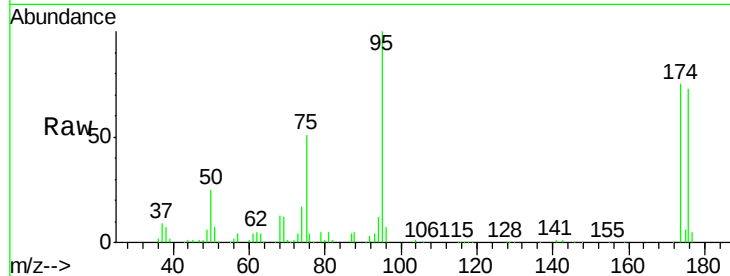
Tgt Ion: 75 Resp: 145318

Ion Ratio Lower Upper

75 100

53 0.0 89.3 133.9#

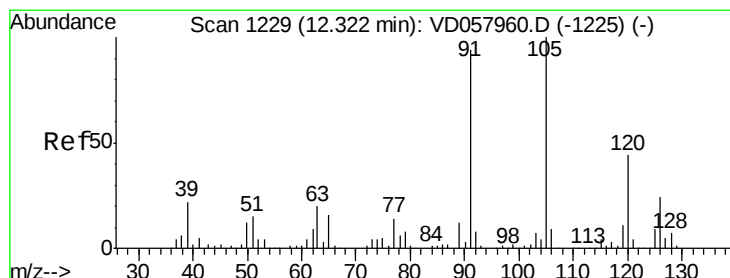
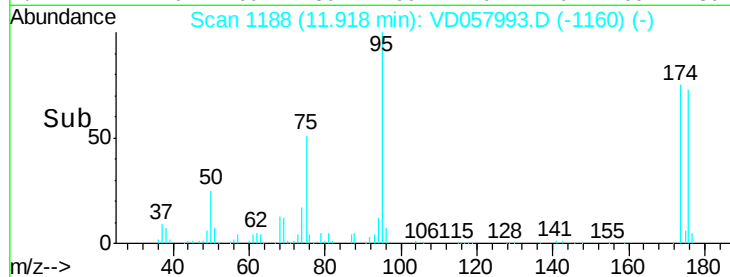
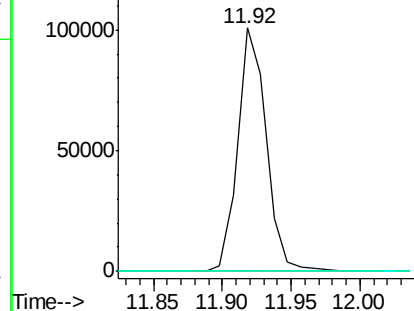
89 0.0 33.3 49.9#



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



#82

4-Chlorotoluene

Concen: Below Cal

RT: 12.32 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VD057993.D

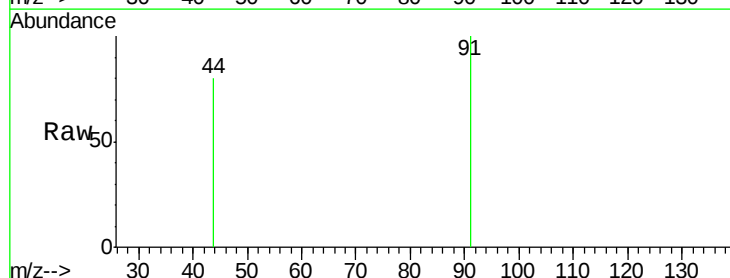
Acq: 8 Jun 2018 3:08

Tgt Ion: 91 Resp: 1093

Ion Ratio Lower Upper

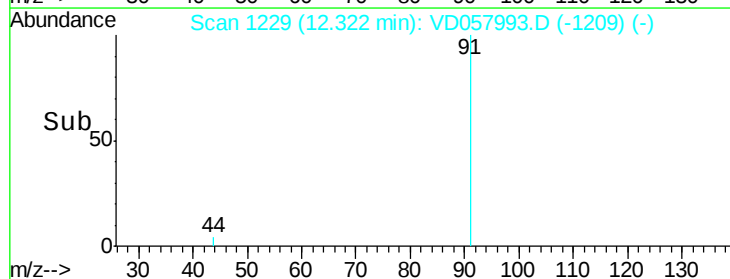
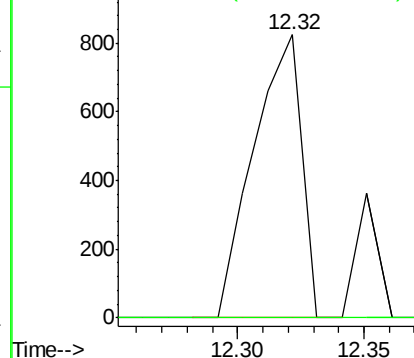
91 100

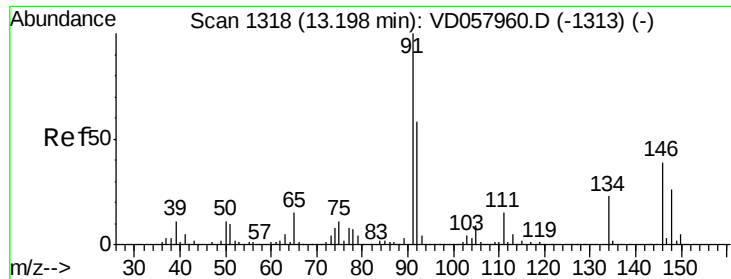
126 0.0 12.5 37.5#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#89

n-Butylbenzene

Concen: Below Cal

RT: 13.19 min Scan# 1317

Delta R.T. -0.01 min

Lab File: VD057993.D

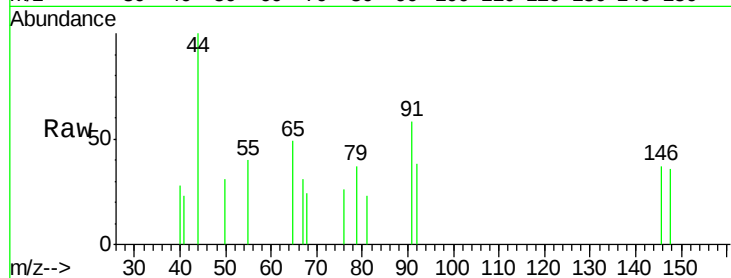
Acq: 8 Jun 2018 3:08

Instrument :

MSVOA_D

ClientSampleId :

MH-29(0-5)



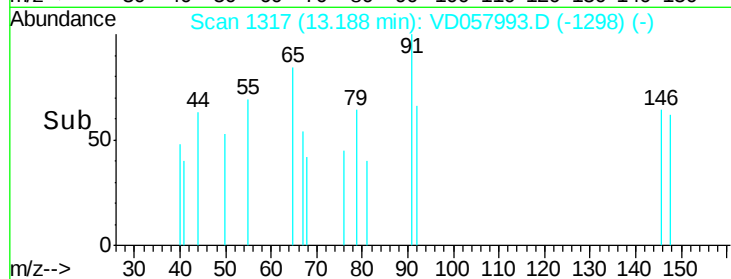
Tgt Ion: 91 Resp: 677

Ion Ratio Lower Upper

91 100

92 66.2 29.2 87.6

134 0.0 11.3 33.9#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC

