

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD060718\
 Data File : VD057997.D
 Acq On : 8 Jun 2018 5:00
 Operator : JC/SY
 Sample : J3329-06RE
 Misc : 5.99g/5ml/MSVOA_D/SOIL
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MH-34(0-5)RE

Quant Time: Jun 08 06:55:21 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	47450	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	80336	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.68	117	83596	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	46866	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	59199	124.79	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	249.58%	
35) Dibromofluoromethane	5.55	113	41850	67.33	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	134.66%	
50) Toluene-d8	8.71	98	73672	49.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.70%	
62) 4-Bromofluorobenzene	11.92	95	41407	64.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	128.46%	

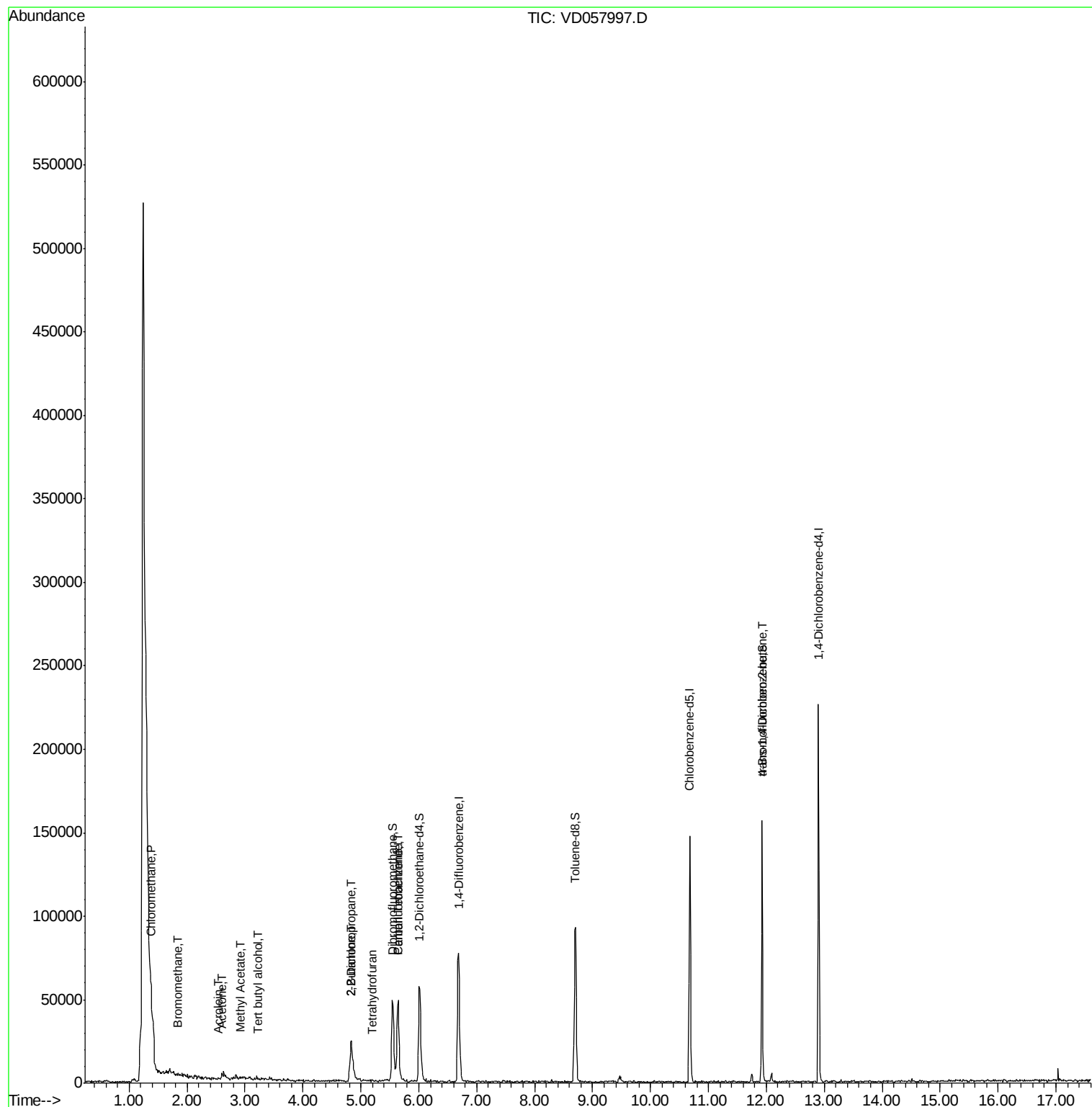
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.38	50	1183	3.772	ug/l #	41
5) Bromomethane	1.85	94	201	1.689	ug/l #	3
11) Tert butyl alcohol	3.23	59	597	46.978	ug/l #	74
13) Acrolein	2.53	56	204	11.209	ug/l #	16
16) Acetone	2.61	43	3898	57.034	ug/l	99
18) Methyl Acetate	2.93	43	1207	9.129	ug/l #	66
20) Methylene Chloride	3.06	84	251	Below Cal	#	1
25) 2-Butanone	4.84	43	2700	17.383	ug/l #	64
26) 2,2-Dichloropropane	4.84	77	1287	1.635	ug/l #	59
29) Tetrahydrofuran	5.19	42	211	2.591	ug/l #	39
38) Carbon Tetrachloride	5.63	117	4714	5.404	ug/l #	12
81) trans-1,4-Dichloro-2-buten	11.92	75	20022	114.826	ug/l #	6
82) 4-Chlorotoluene	12.32	91	274	Below Cal	#	50
89) n-Butylbenzene	13.19	91	541	Below Cal	#	30

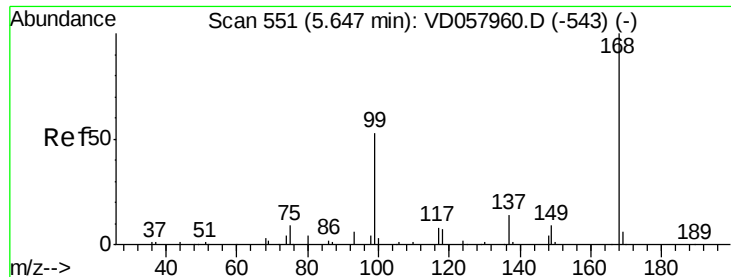
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.00 min

Lab File: VD057997.D

Acq: 8 Jun 2018 5:00

Instrument :

MSVOA_D

ClientSampleId :

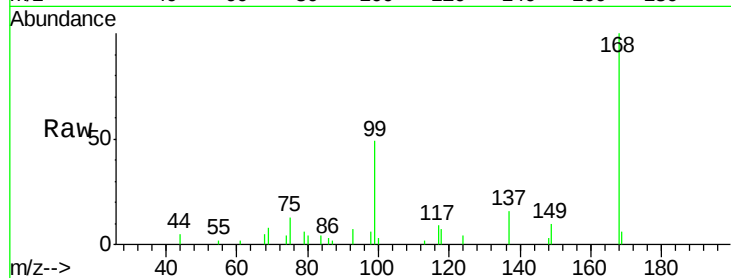
MH-34(0-5)RE

Tgt Ion:168 Resp: 47450

Ion Ratio Lower Upper

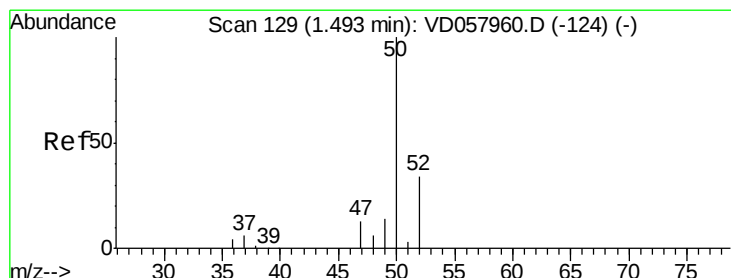
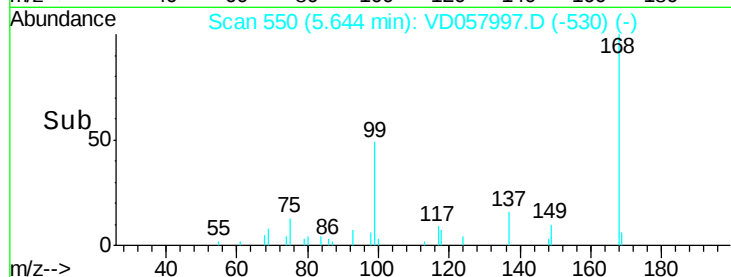
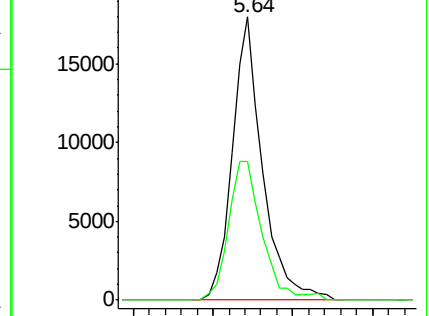
168 100

99 49.0 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#3

Chloromethane

Concen: 3.772 ug/l

RT: 1.38 min Scan# 117

Delta R.T. -0.11 min

Lab File: VD057997.D

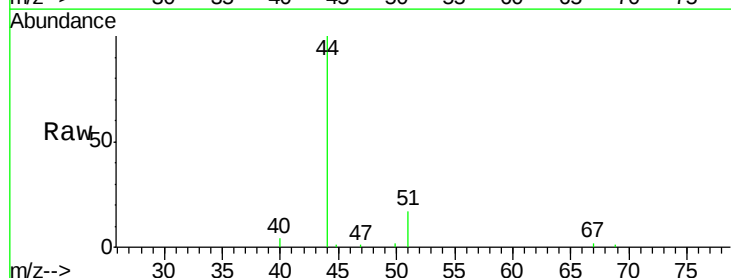
Acq: 8 Jun 2018 5:00

Tgt Ion: 50 Resp: 1183

Ion Ratio Lower Upper

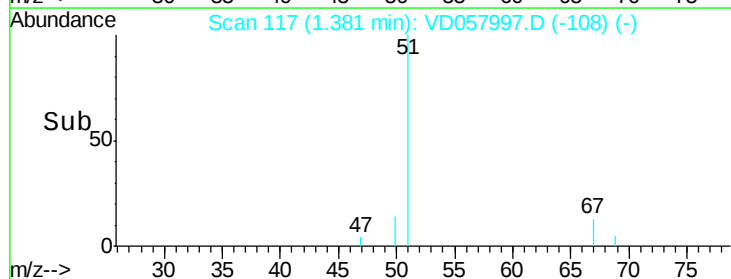
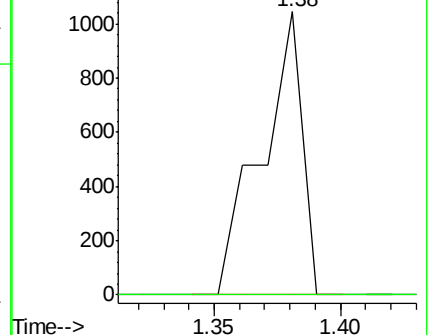
50 100

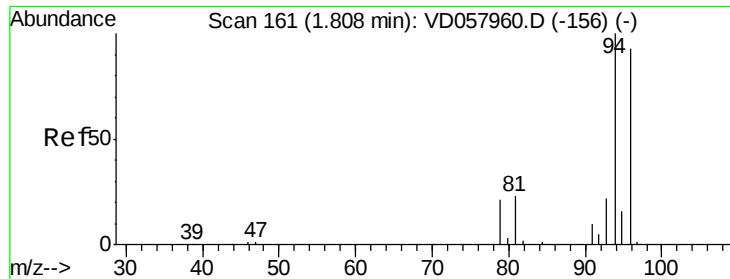
52 0.0 27.2 40.8#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#5

Bromomethane

Concen: 1.689 ug/l

RT: 1.85 min Scan# 165

Delta R.T. 0.05 min

Lab File: VD057997.D

Acq: 8 Jun 2018 5:00

Instrument :

MSVOA_D

ClientSampleId :

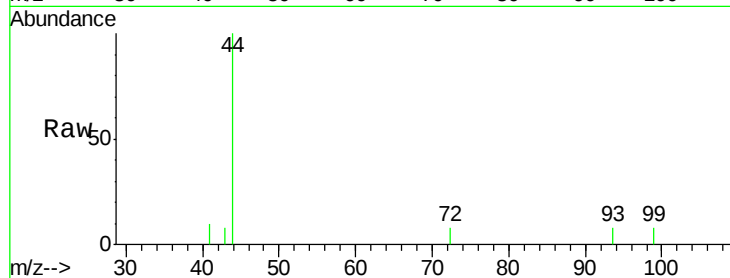
MH-34(0-5)RE

Tgt Ion: 94 Resp: 201

Ion Ratio Lower Upper

94 100

96 0.0 74.3 111.5#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

1.85

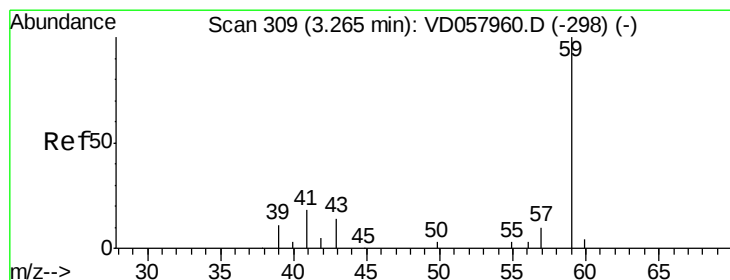
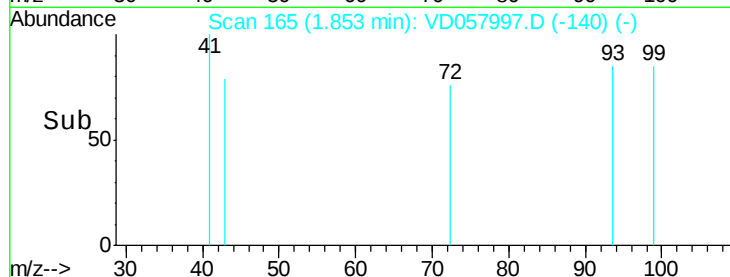
300

200

100

0

Time-->



#11

Tert butyl alcohol

Concen: 46.978 ug/l

RT: 3.23 min Scan# 305

Delta R.T. -0.03 min

Lab File: VD057997.D

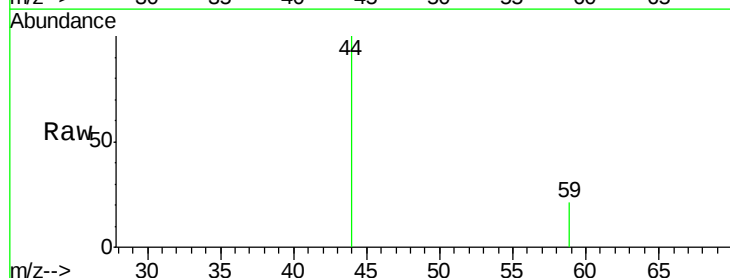
Acq: 8 Jun 2018 5:00

Tgt Ion: 59 Resp: 597

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

3.23

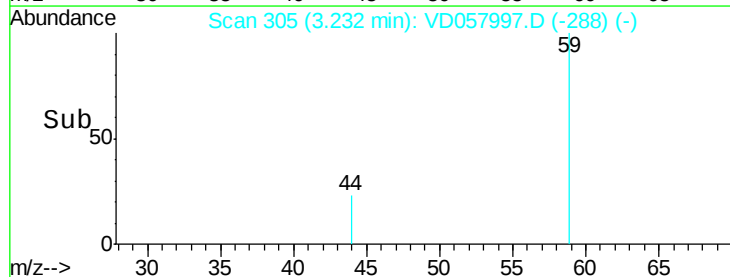
300

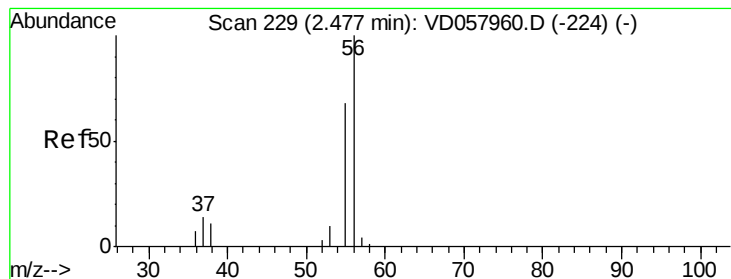
200

100

0

Time-->





#13

Acrolein

Concen: 11.209 ug/l

RT: 2.53 min Scan# 234

Delta R.T. 0.06 min

Lab File: VD057997.D

Acq: 8 Jun 2018 5:00

Instrument :

MSVOA_D

ClientSampleId :

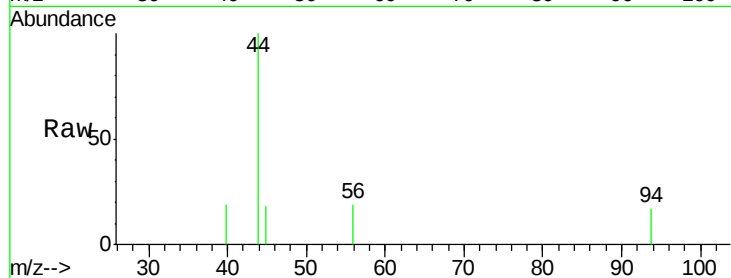
MH-34(0-5)RE

Tgt Ion: 56 Resp: 204

Ion Ratio Lower Upper

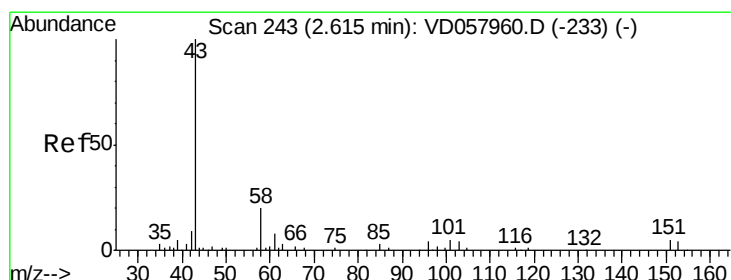
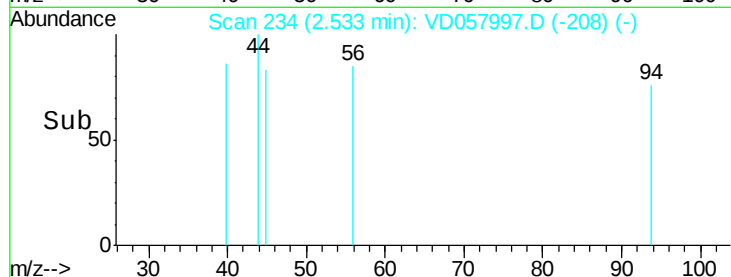
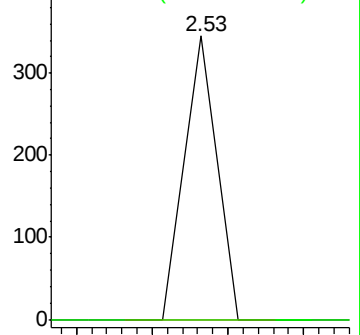
56 100

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



#16

Acetone

Concen: 57.034 ug/l

RT: 2.61 min Scan# 242

Delta R.T. -0.00 min

Lab File: VD057997.D

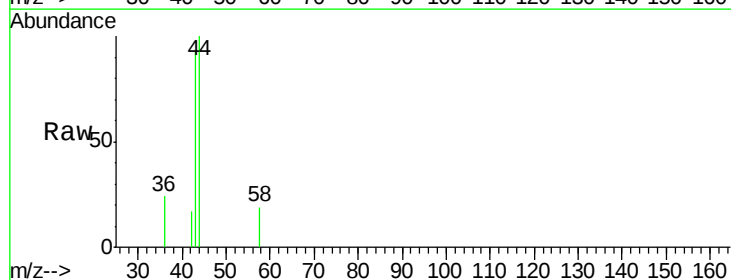
Acq: 8 Jun 2018 5:00

Tgt Ion: 43 Resp: 3898

Ion Ratio Lower Upper

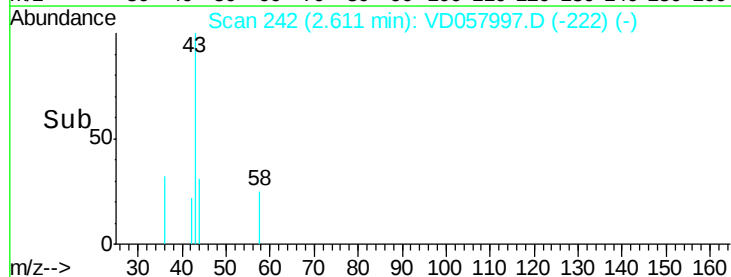
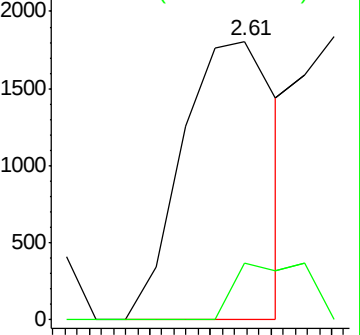
43 100

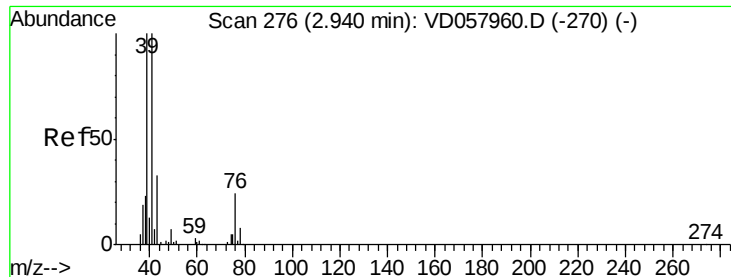
58 20.2 15.8 23.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

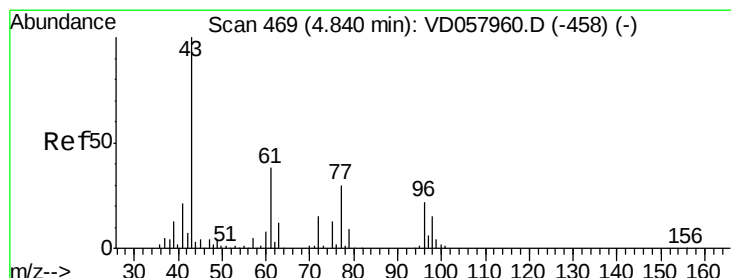
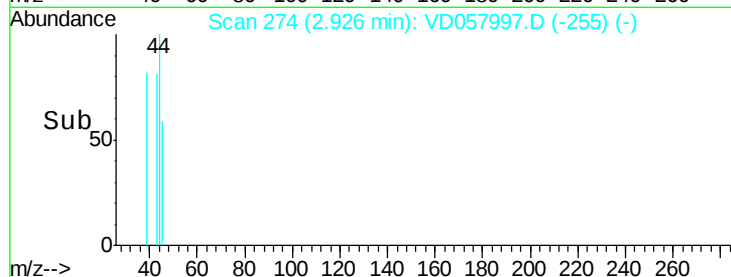
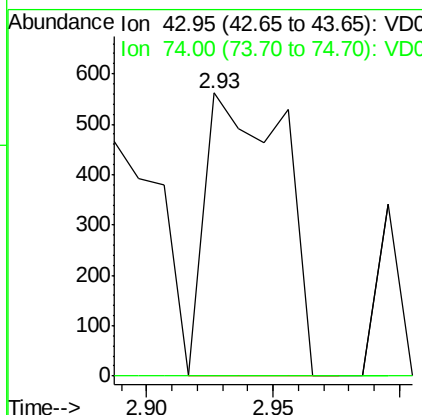
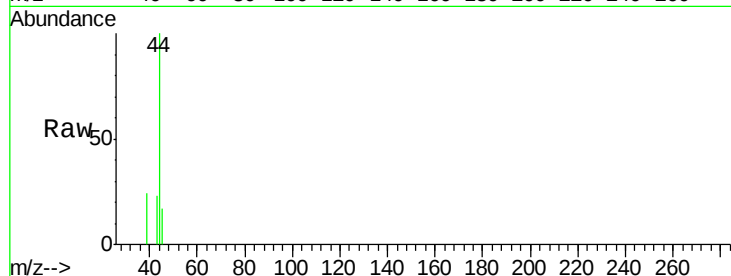




#18
Methyl Acetate
Concen: 9.129 ug/l
RT: 2.93 min Scan# 274
Delta R.T. -0.01 min
Lab File: VD057997.D
Acq: 8 Jun 2018 5:00

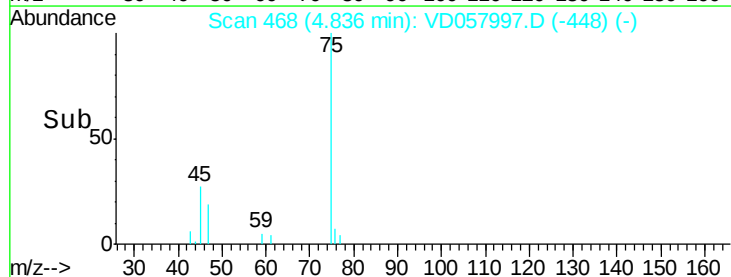
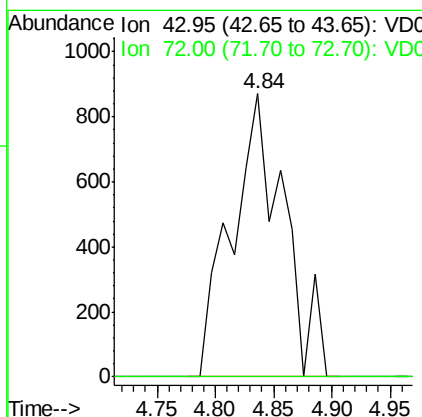
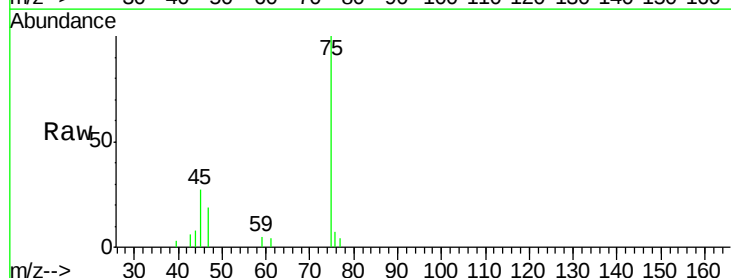
Instrument :
MSVOA_D
ClientSampleId :
MH-34(0-5)RE

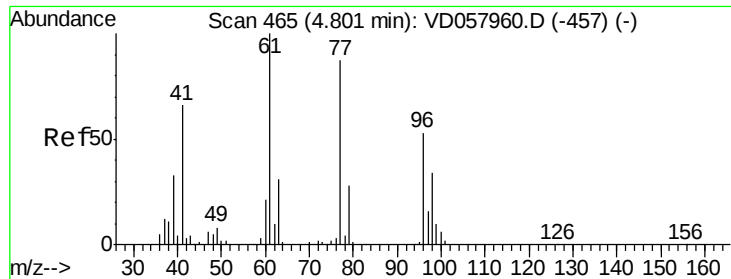
Tgt Ion: 43 Resp: 1207
Ion Ratio Lower Upper
43 100
74 0.0 11.2 16.8#



#25
2-Butanone
Concen: 17.383 ug/l
RT: 4.84 min Scan# 468
Delta R.T. -0.00 min
Lab File: VD057997.D
Acq: 8 Jun 2018 5:00

Tgt Ion: 43 Resp: 2700
Ion Ratio Lower Upper
43 100
72 0.0 12.0 18.0#

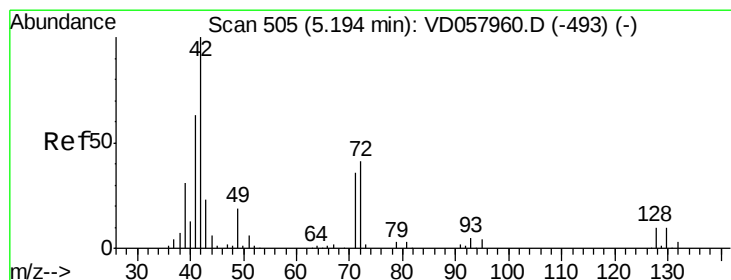
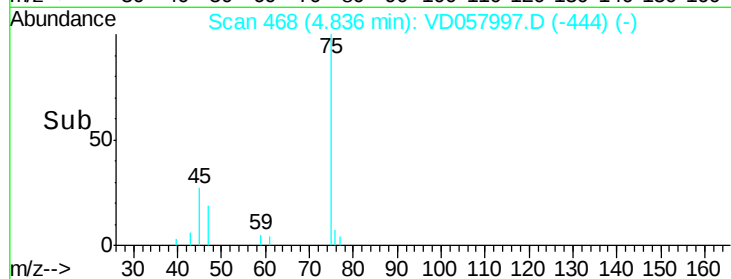
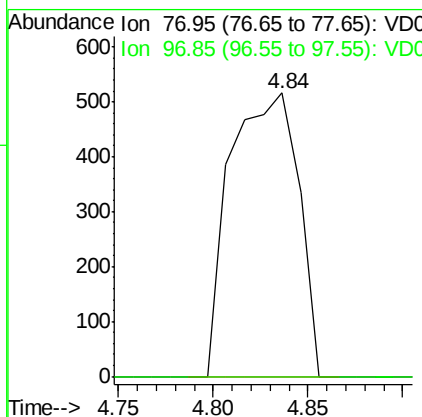
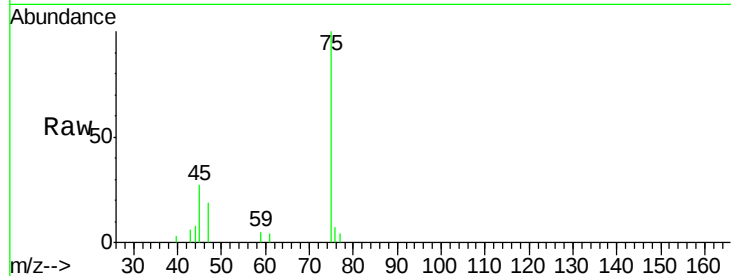




#26
 2,2-Dichloropropane
 Concen: 1.635 ug/l
 RT: 4.84 min Scan# 468
 Delta R.T. 0.04 min
 Lab File: VD057997.D
 Acq: 8 Jun 2018 5:00

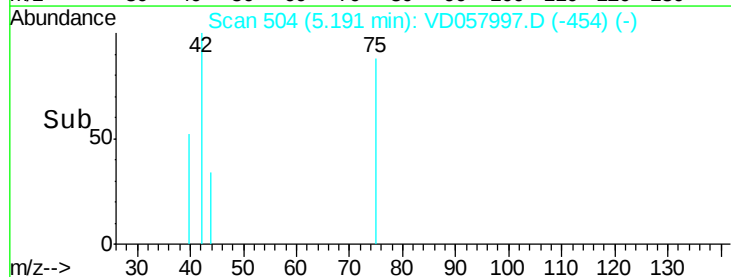
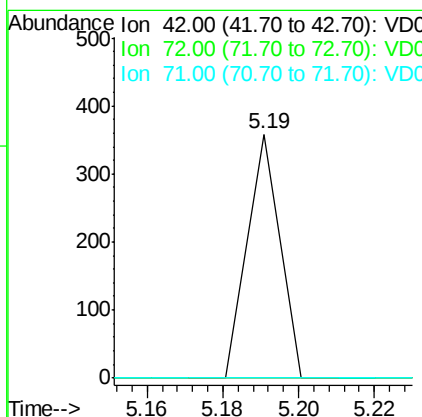
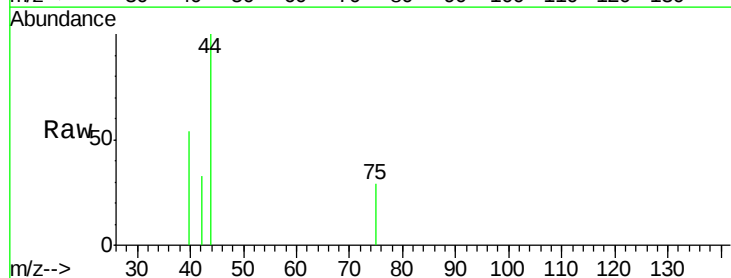
Instrument :
 MSVOA_D
 ClientSampleId :
 MH-34(0-5)RE

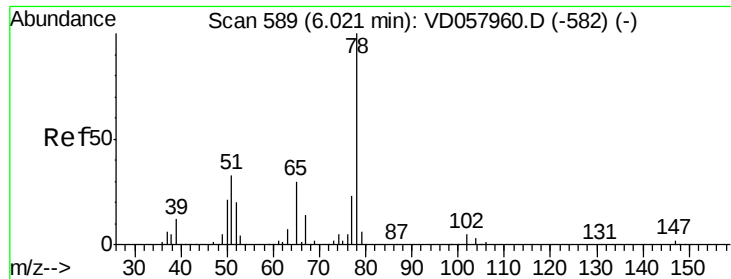
Tgt Ion: 77 Resp: 1287
 Ion Ratio Lower Upper
 77 100
 97 0.0 9.2 27.6#



#29
 Tetrahydrofuran
 Concen: 2.591 ug/l
 RT: 5.19 min Scan# 504
 Delta R.T. -0.00 min
 Lab File: VD057997.D
 Acq: 8 Jun 2018 5:00

Tgt Ion: 42 Resp: 211
 Ion Ratio Lower Upper
 42 100
 72 0.0 28.5 42.7#
 71 0.0 27.9 41.9#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.01 min Scan# 587

Delta R.T. -0.01 min

Lab File: VD057997.D

Acq: 8 Jun 2018 5:00

Instrument :

MSVOA_D

ClientSampleId :

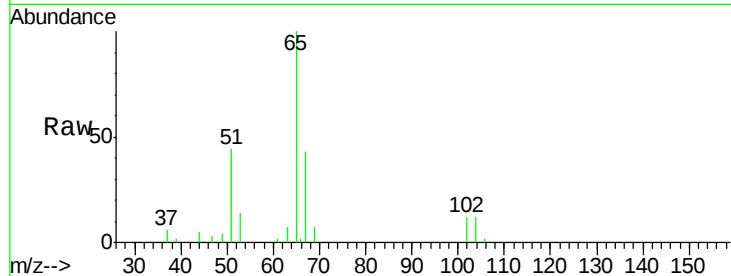
MH-34(0-5)RE

Tgt Ion: 65 Resp: 59199

Ion Ratio Lower Upper

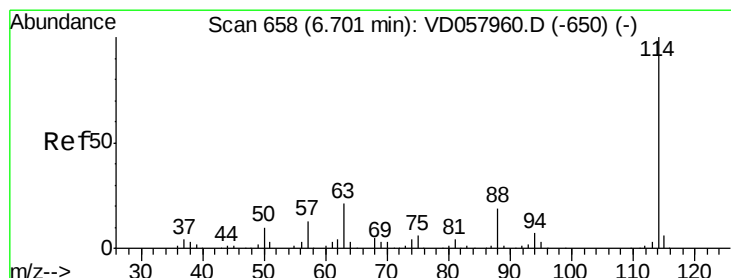
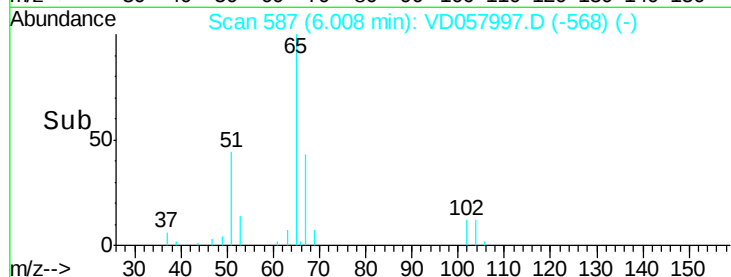
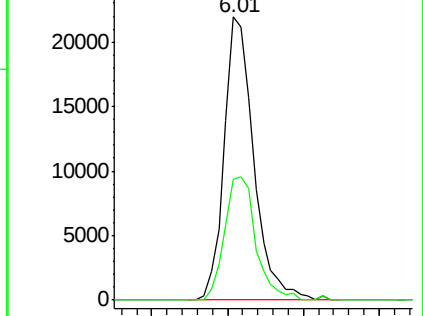
65 100

67 42.6 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: 6.69 min Scan# 656

Delta R.T. -0.01 min

Lab File: VD057997.D

Acq: 8 Jun 2018 5:00

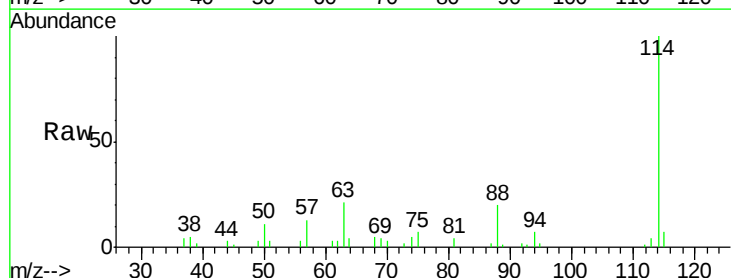
Tgt Ion: 114 Resp: 80336

Ion Ratio Lower Upper

114 100

63 20.6 0.0 42.8

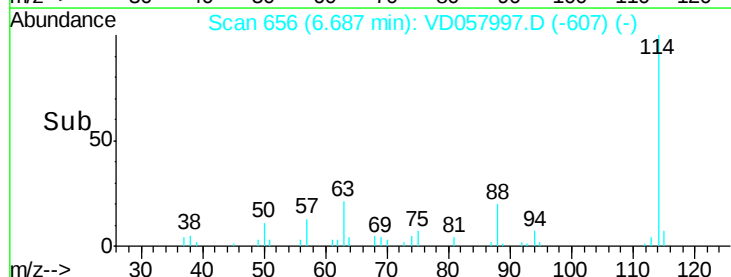
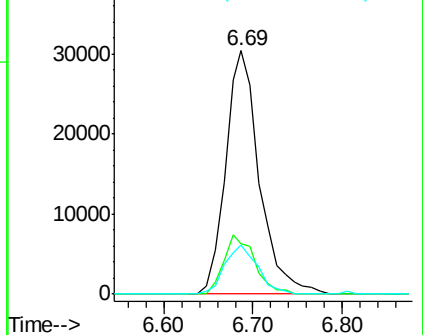
88 20.1 0.0 37.8

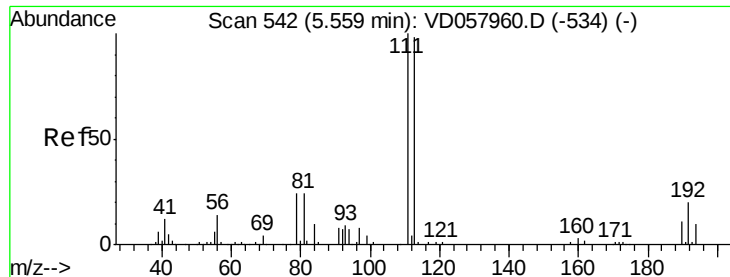


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

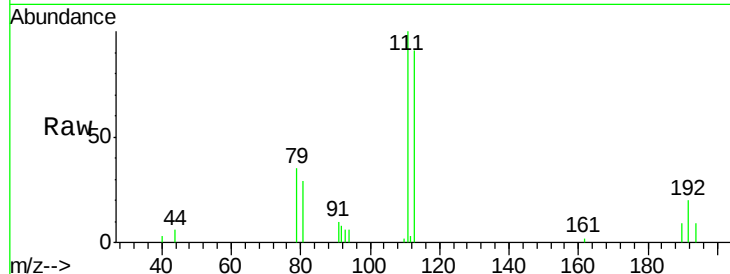




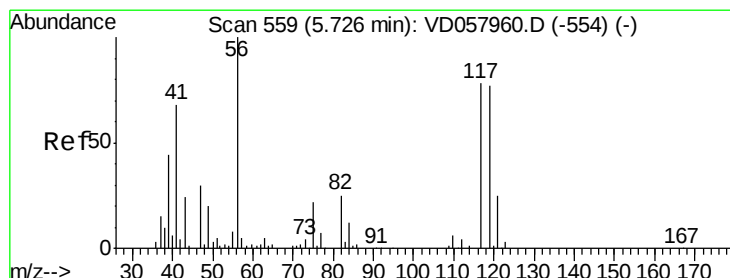
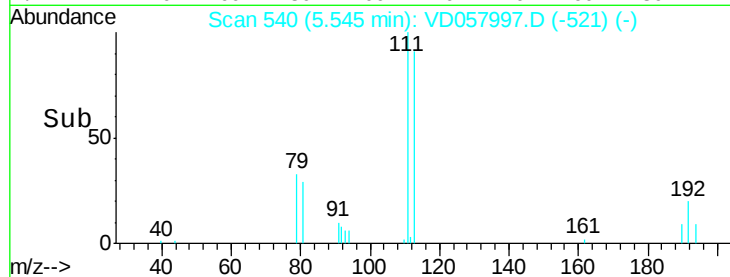
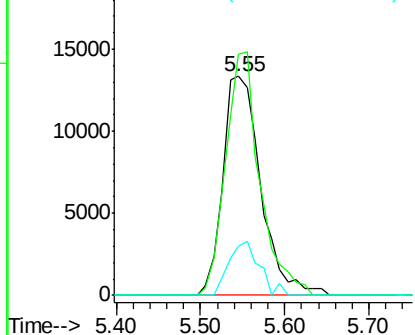
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 5.55 min Scan# 540
Delta R.T. -0.01 min
Lab File: VD057997.D
Acq: 8 Jun 2018 5:00

Instrument :
MSVOA_D
ClientSampleId :
MH-34(0-5)RE

Tgt Ion:113 Resp: 41850
Ion Ratio Lower Upper
113 100
111 110.2 81.5 122.3
192 22.3 16.4 24.6

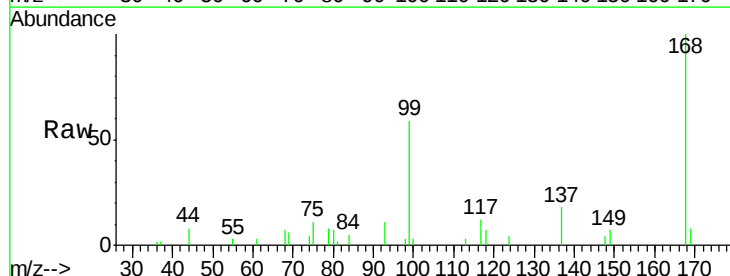


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

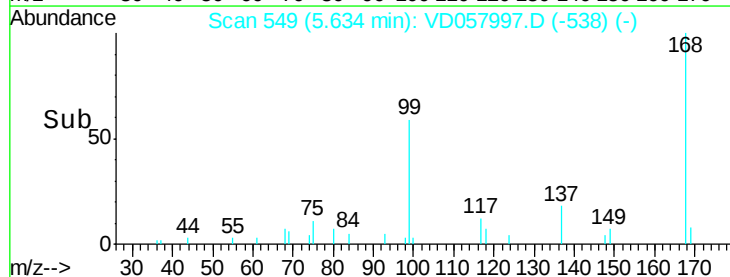
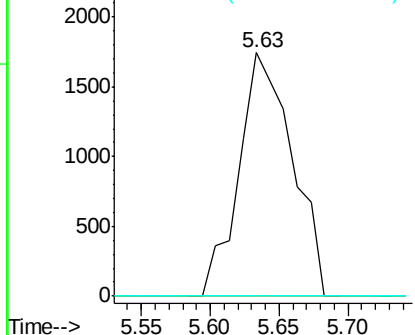


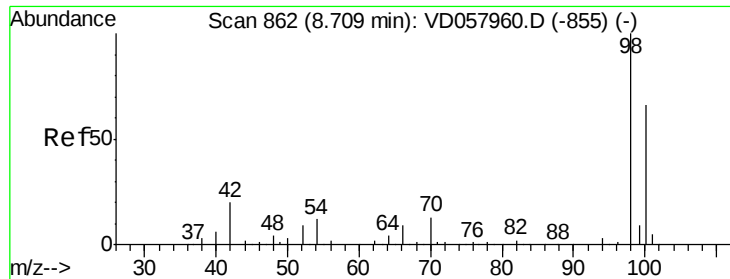
#38
Carbon Tetrachloride
Concen: 5.404 ug/l
RT: 5.63 min Scan# 549
Delta R.T. -0.09 min
Lab File: VD057997.D
Acq: 8 Jun 2018 5:00

Tgt Ion:117 Resp: 4714
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

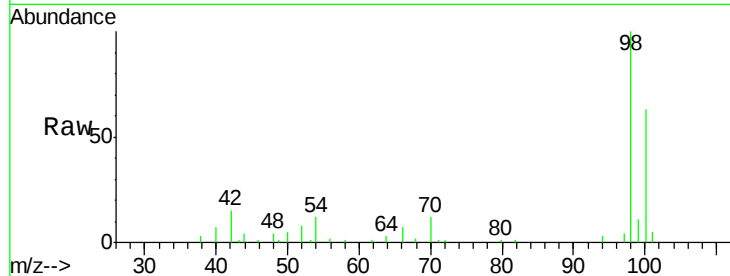




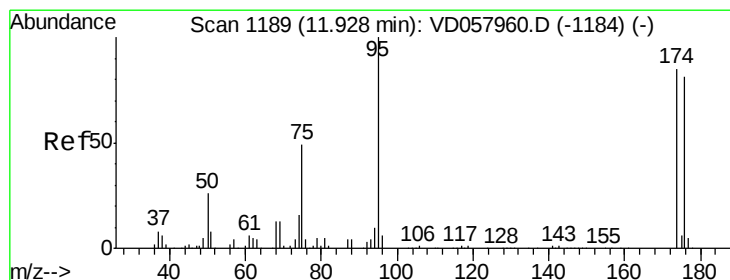
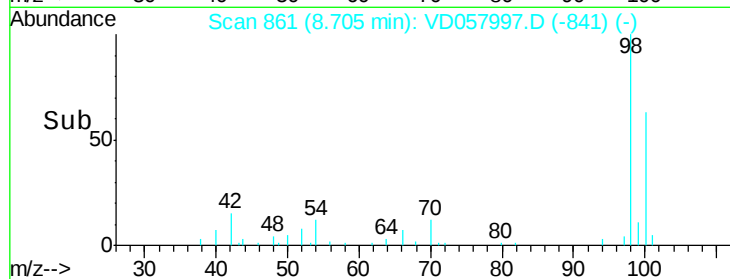
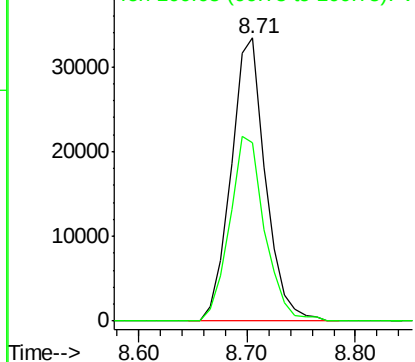
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.71 min Scan# 861
Delta R.T. -0.00 min
Lab File: VD057997.D
Acq: 8 Jun 2018 5:00

Instrument :
MSVOA_D
ClientSampleId :
MH-34(0-5)RE

Tgt Ion: 98 Resp: 73672
Ion Ratio Lower Upper
98 100
100 63.2 53.4 80.0

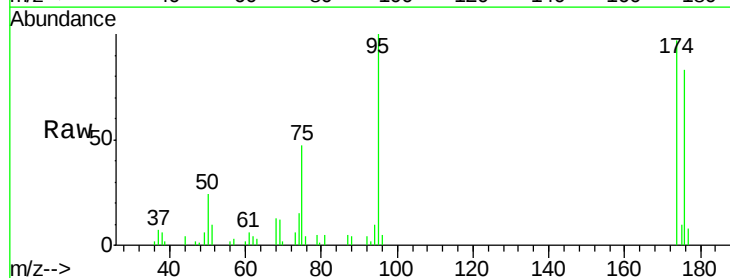


Abundance Ion 98.05 (97.75 to 98.75): VD057960.D (-855) (-)
Ion 100.05 (99.75 to 100.75): VD057960.D (-855) (-)

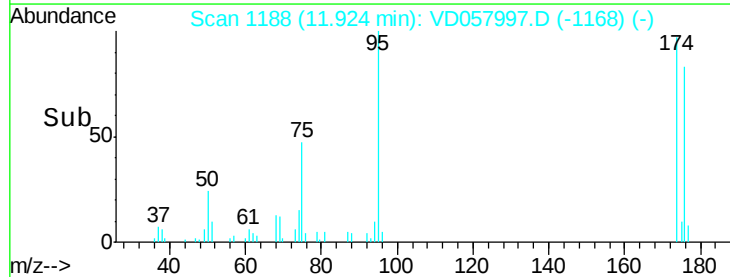
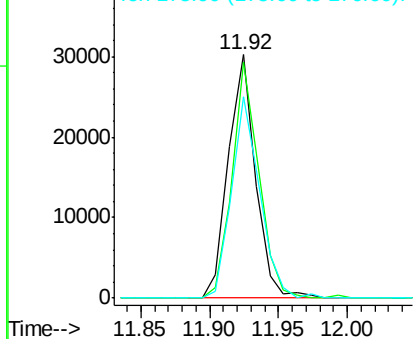


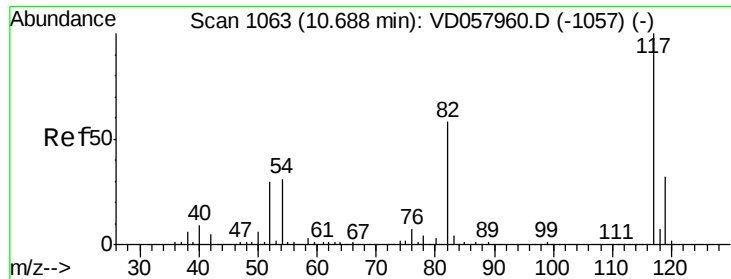
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.92 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VD057997.D
Acq: 8 Jun 2018 5:00

Tgt Ion: 95 Resp: 41407
Ion Ratio Lower Upper
95 100
174 96.8 0.0 169.4
176 83.0 0.0 162.6



Abundance Ion 95.00 (94.70 to 95.70): VD057960.D (-1184) (-)
Ion 173.90 (173.60 to 174.60): VD057960.D (-1184) (-)
Ion 175.90 (175.60 to 176.60): VD057960.D (-1184) (-)

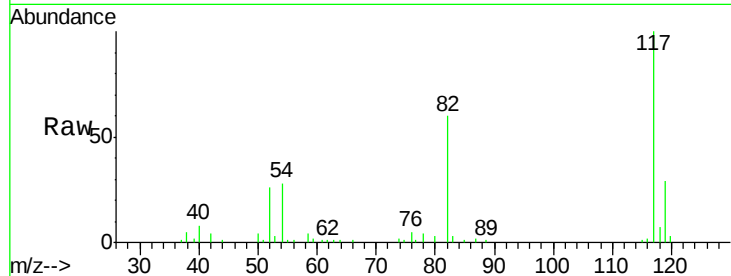




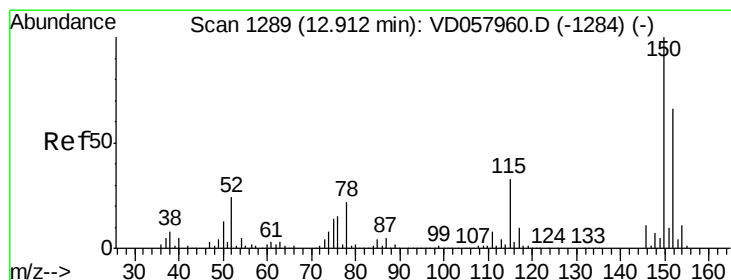
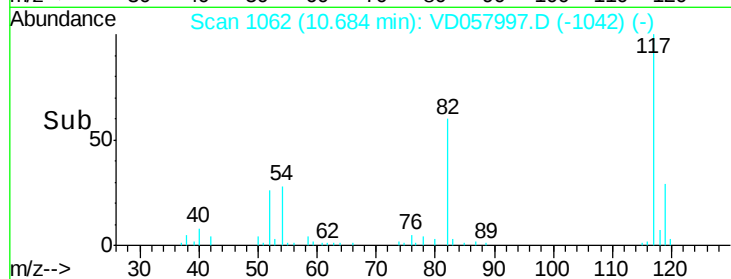
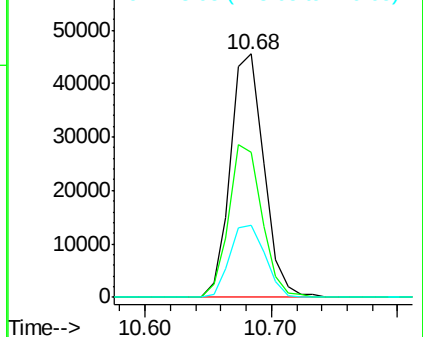
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.68 min Scan# 1062
 Delta R.T. -0.00 min
 Lab File: VD057997.D
 Acq: 8 Jun 2018 5:00

Instrument :
 MSVOA_D
 ClientSampleId :
 MH-34(0-5)RE

Tgt Ion:117 Resp: 83596
 Ion Ratio Lower Upper
 117 100
 82 59.8 46.8 70.2
 119 29.5 25.8 38.6

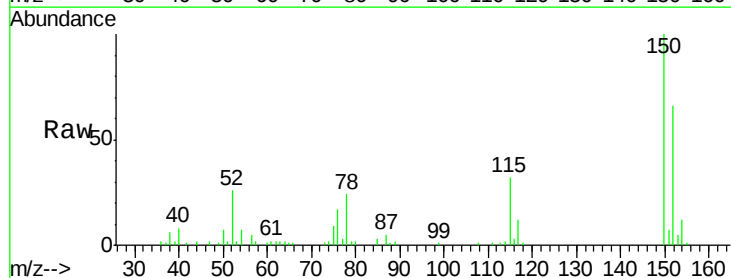


Abundance Ion 116.95 (116.65 to 117.65): V
 Ion 82.05 (81.75 to 82.75): V
 Ion 118.95 (118.65 to 119.65): V

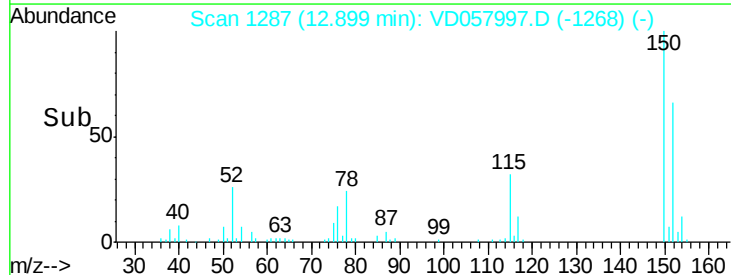
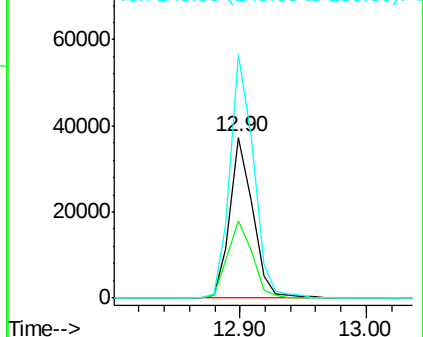


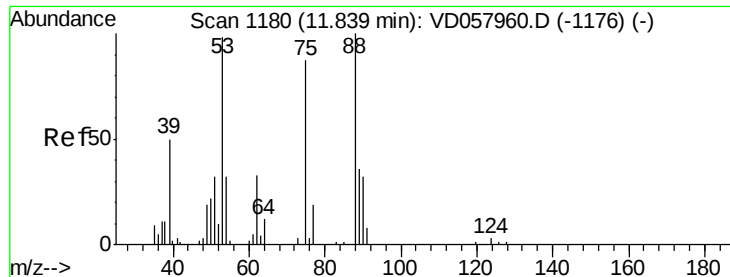
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.90 min Scan# 1287
 Delta R.T. -0.01 min
 Lab File: VD057997.D
 Acq: 8 Jun 2018 5:00

Tgt Ion:152 Resp: 46866
 Ion Ratio Lower Upper
 152 100
 115 48.4 25.6 76.6
 150 151.6 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: 114.826 ug/l

RT: 11.92 min Scan# 1188

Delta R.T. 0.08 min

Lab File: VD057997.D

Acq: 8 Jun 2018 5:00

Instrument :

MSVOA_D

ClientSampleId :

MH-34(0-5)RE

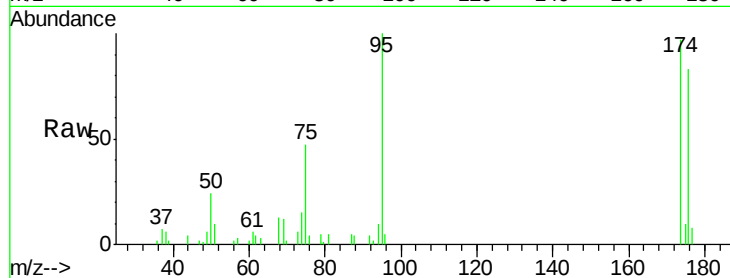
Tgt Ion: 75 Resp: 20022

Ion Ratio Lower Upper

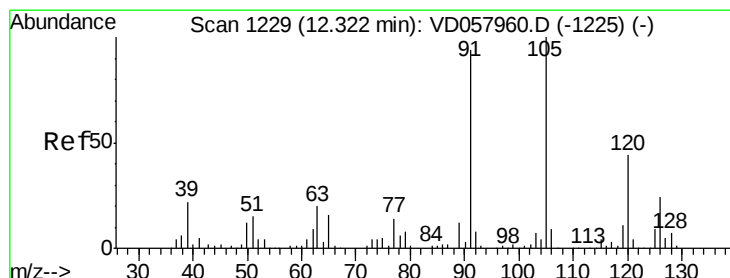
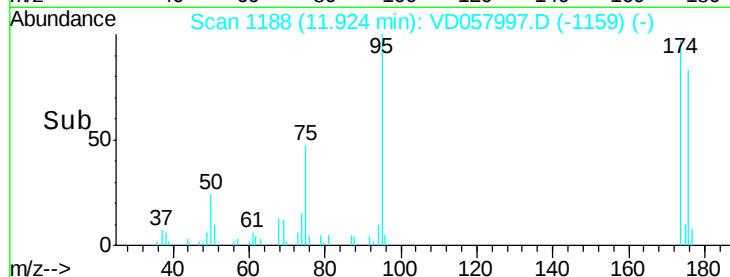
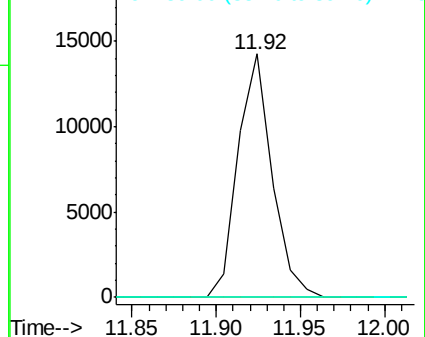
75 100

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# 1228

Delta R.T. -0.00 min

Lab File: VD057997.D

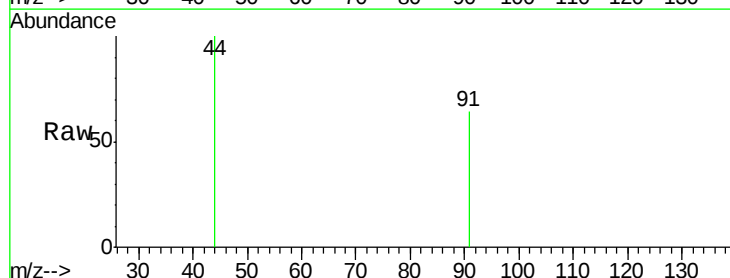
Acq: 8 Jun 2018 5:00

Tgt Ion: 91 Resp: 274

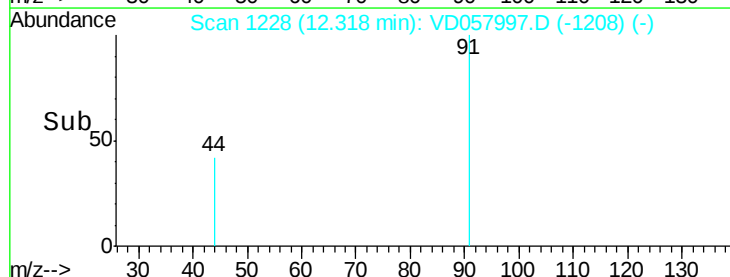
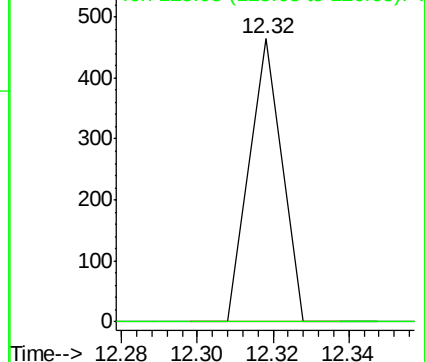
Ion Ratio Lower Upper

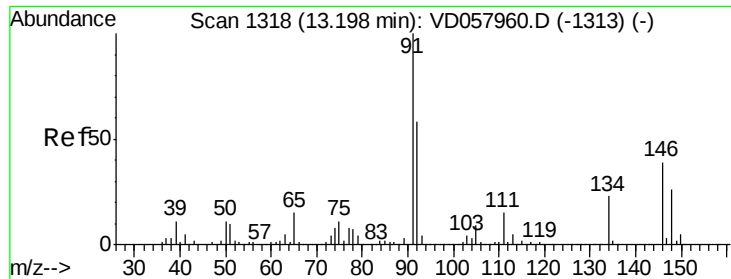
91 100

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. -0.00 min

Lab File: VD057997.D

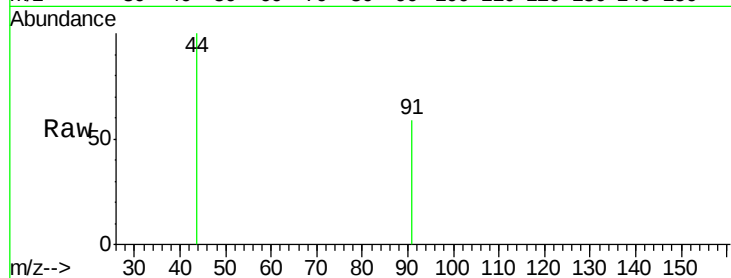
Acq: 8 Jun 2018 5:00

Instrument :

MSVOA_D

ClientSampleId :

MH-34(0-5)RE



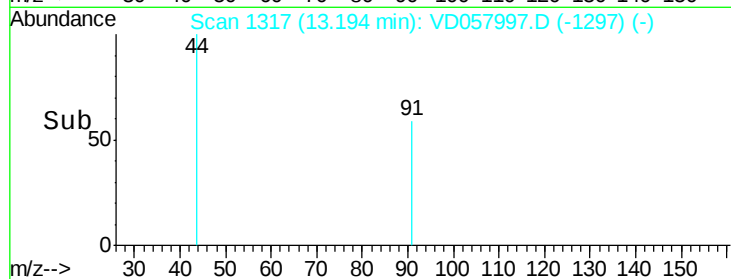
Tgt Ion: 91 Resp: 541

Ion Ratio Lower Upper

91 100

92 0.0 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

