

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060818\
 Data File : VD058037.D
 Acq On : 9 Jun 2018 2:10
 Operator : VA/AP
 Sample : VD0608SBL02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 09 02:41:26 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	856214	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	6.68	114	1142807	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.68	117	958710	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.90	152	489397	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	414656	48.44	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	96.88%	
35) Dibromofluoromethane	5.54	113	440506	49.82	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	99.64%	
50) Toluene-d8	8.70	98	964659	45.89	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	91.78%	
62) 4-Bromofluorobenzene	11.93	95	426672	46.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.06%	

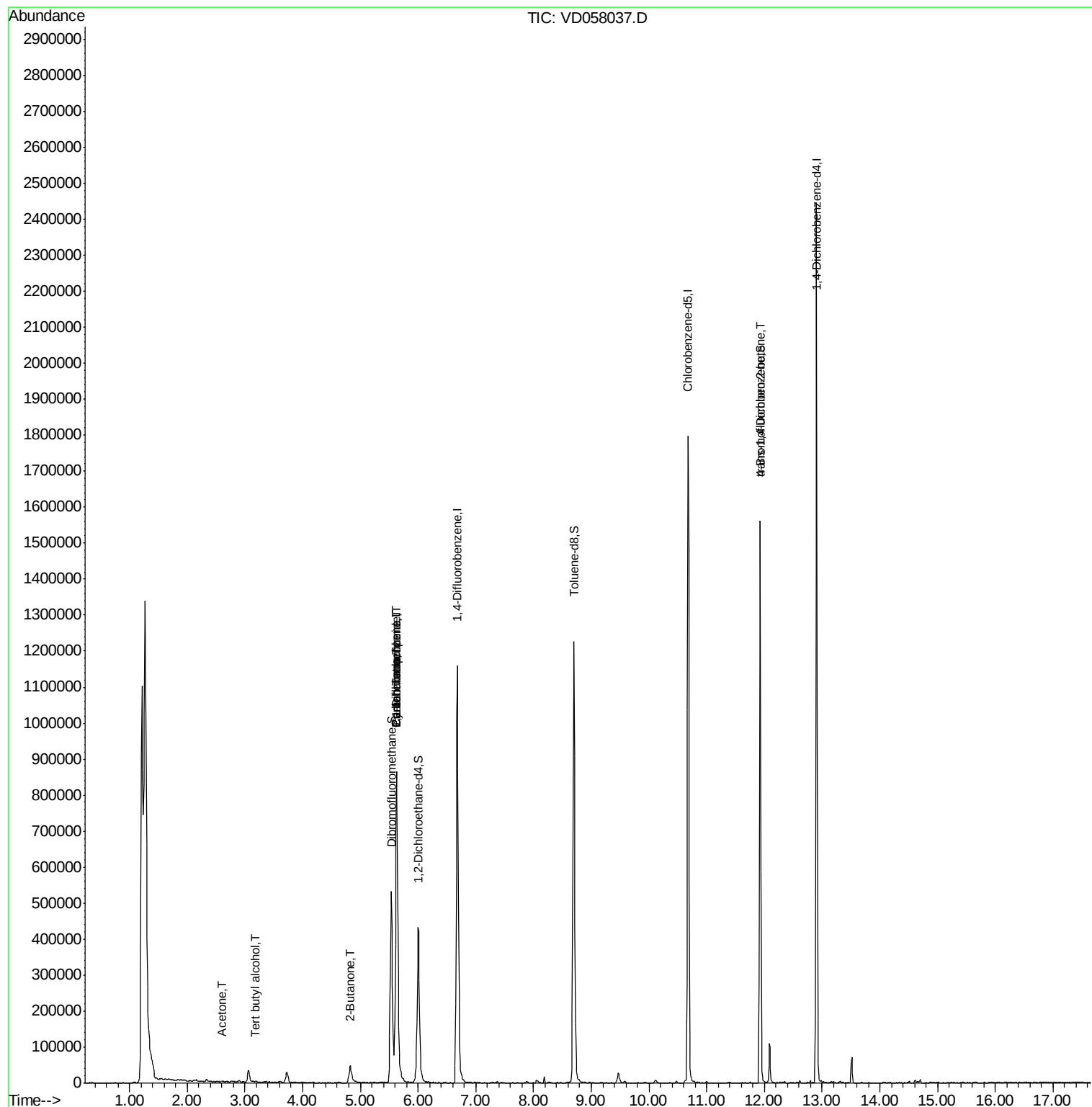
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.20	59	935	4.077	ug/l #	74
16) Acetone	2.60	43	5393	4.373	ug/l	98
20) Methylene Chloride	3.06	84	14555	Below Cal	#	82
25) 2-Butanone	4.83	43	4827	1.722	ug/l #	64
31) Cyclohexane	5.63	56	20941	1.407	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	71495	5.678	ug/l #	53
38) Carbon Tetrachloride	5.63	117	72042	5.806	ug/l #	17
81) trans-1,4-Dichloro-2-buten	11.93	75	210497	115.604	ug/l #	6
82) 4-Chlorotoluene	12.32	91	1411	Below Cal		80
89) n-Butylbenzene	13.20	91	997	Below Cal	#	69

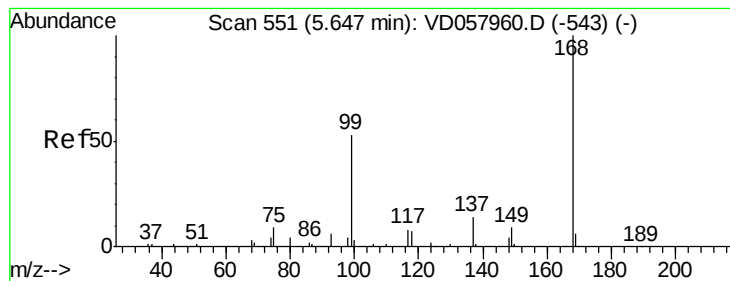
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD060818\
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Misc : 5.00µl/5ml/MSVOA D/SOIL
ALS Vial : 56 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Jun 09 02:37:34 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
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: VD058037.D

Acq: 9 Jun 2018 2:10

Instrument :

MSVOA_D

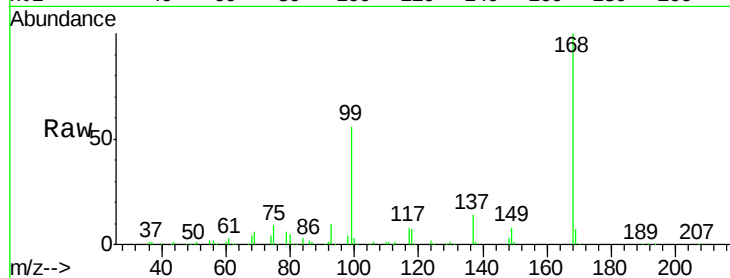
ClientSampleId :

Tot Ion:168 Resp: 856214

Ion Ratio Lower Upper

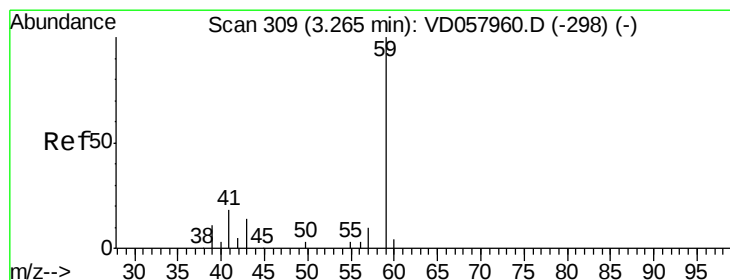
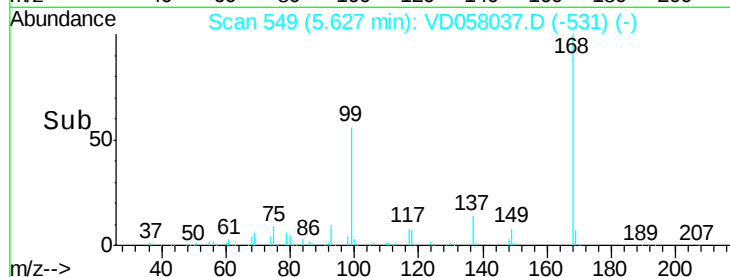
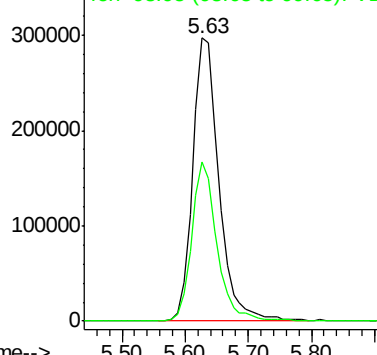
168 100

99 56.4 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: 4.077 ug/l

RT: 3.20 min Scan# 302

Delta R.T. -0.07 min

Lab File: VD058037.D

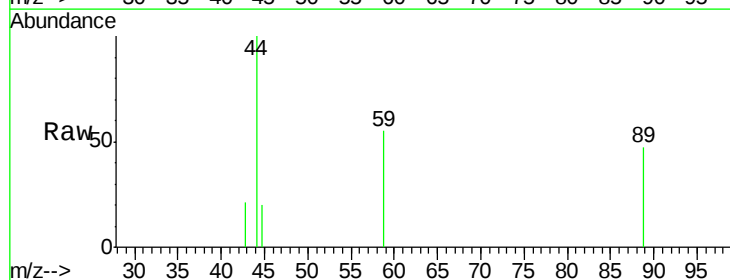
Acq: 9 Jun 2018 2:10

Tgt Ion: 59 Resp: 935

Ion Ratio Lower Upper

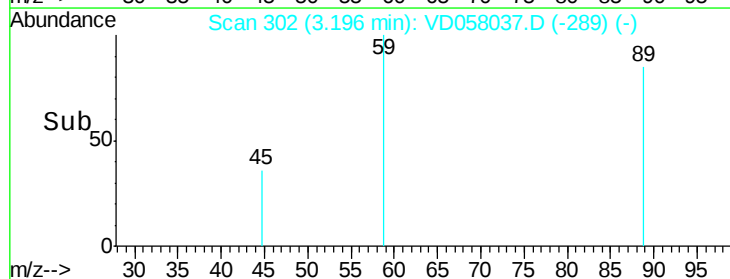
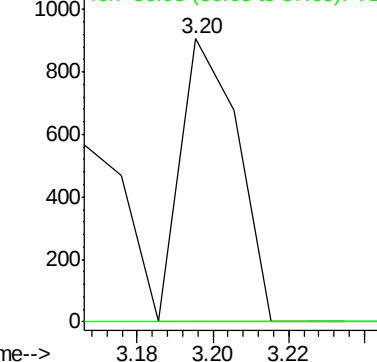
59 100

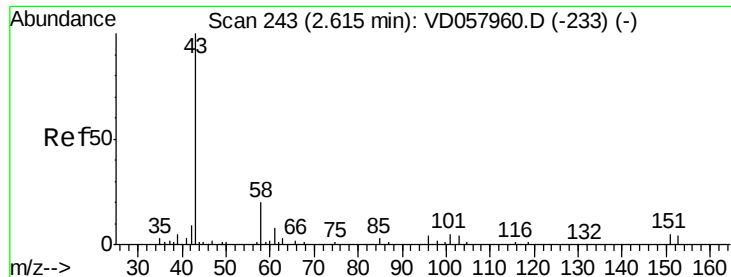
57 0.0 7.8 11.6#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 4.373 ug/l

RT: 2.60 min Scan# 241

Delta R.T. -0.02 min

Lab File: VD058037.D

Acq: 9 Jun 2018 2:10

Instrument :

MSVOA_D

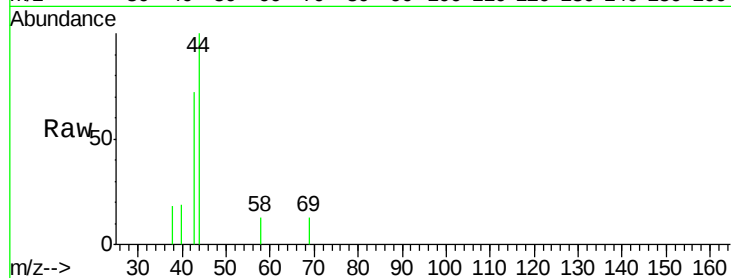
ClientSampleId :

Tot Ion: 43 Resp: 5393

Ion Ratio Lower Upper

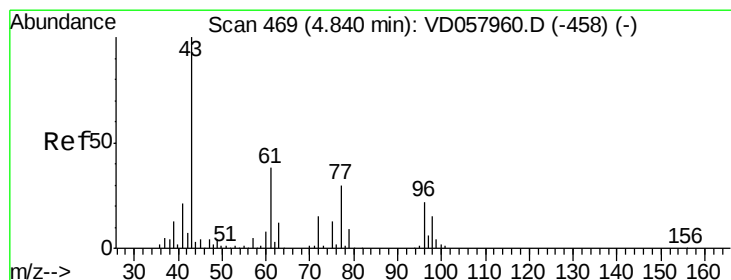
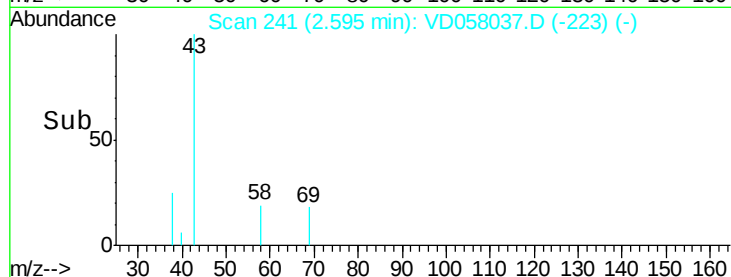
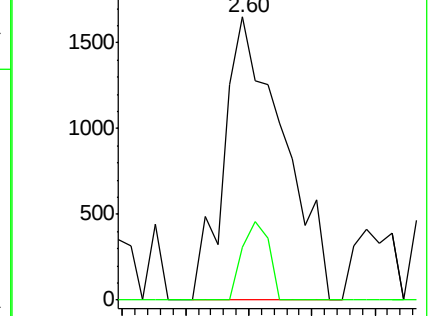
43 100

58 18.7 15.8 23.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#25

2-Butanone

Concen: 1.722 ug/l

RT: 4.83 min Scan# 468

Delta R.T. -0.01 min

Lab File: VD058037.D

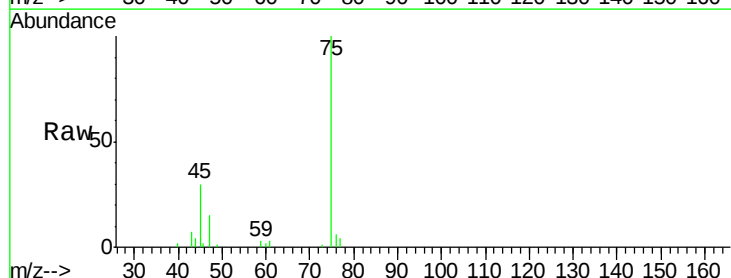
Acq: 9 Jun 2018 2:10

Tgt Ion: 43 Resp: 4827

Ion Ratio Lower Upper

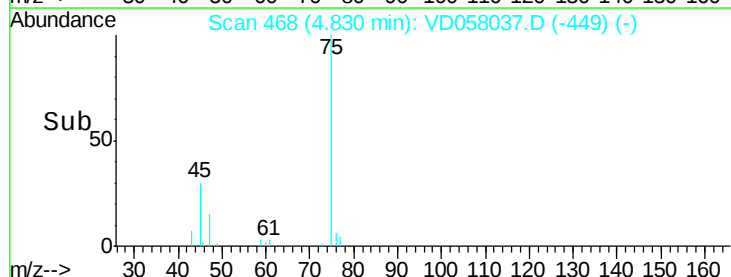
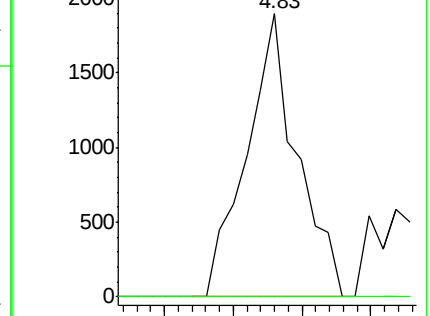
43 100

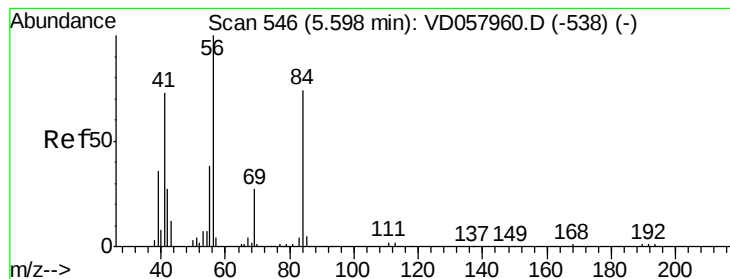
72 0.0 12.0 18.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC





#31

Cyclohexane

Concen: 1.407 ug/l

RT: 5.63 min Scan# 549

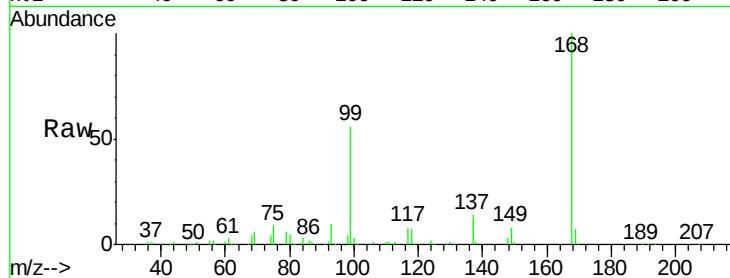
Delta R.T. 0.03 min

Lab File: VD058037.D

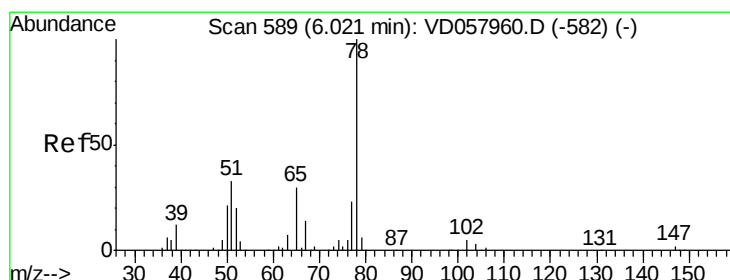
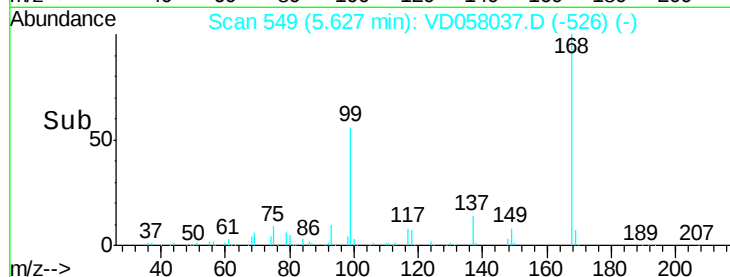
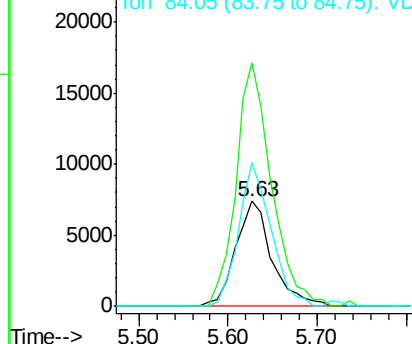
Acq: 9 Jun 2018 2:10

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 20941
Ion Ratio Lower Upper
56 100
69 232.2 21.5 32.3#
84 137.4 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: Below ug/l

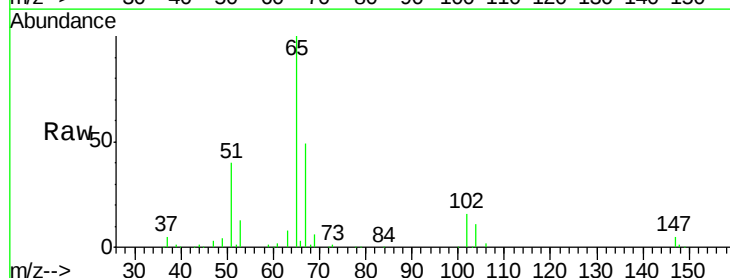
RT: 6.01 min Scan# 588

Delta R.T. -0.01 min

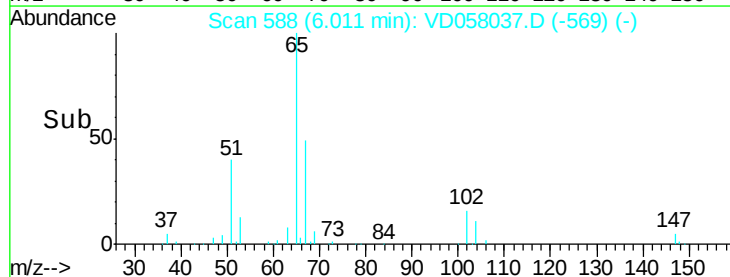
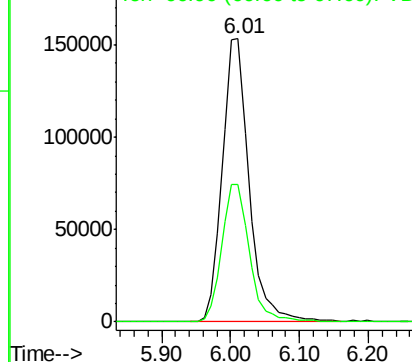
Lab File: VD058037.D

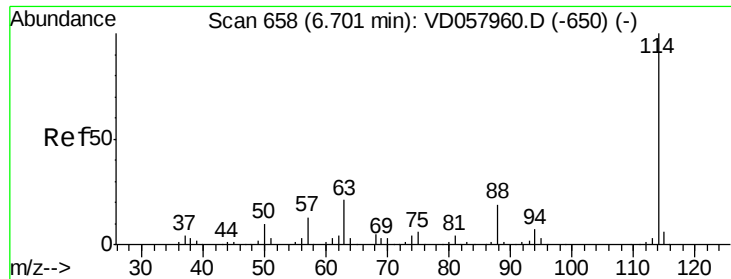
Acq: 9 Jun 2018 2:10

Tgt Ion: 65 Resp: 414656
Ion Ratio Lower Upper
65 100
67 48.8 0.0 94.0



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

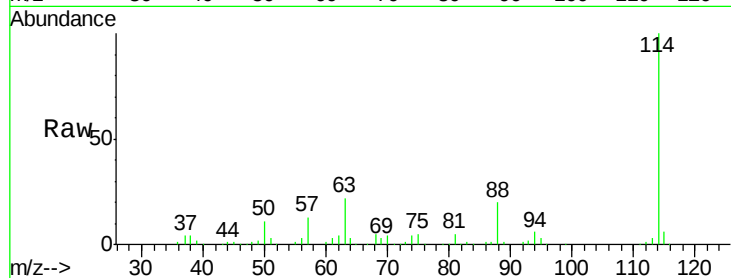




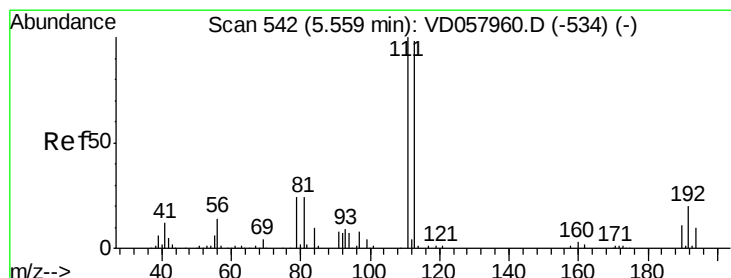
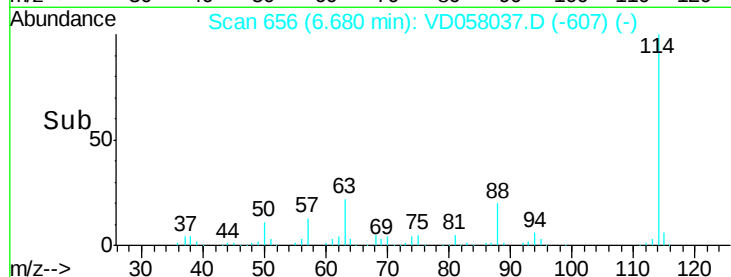
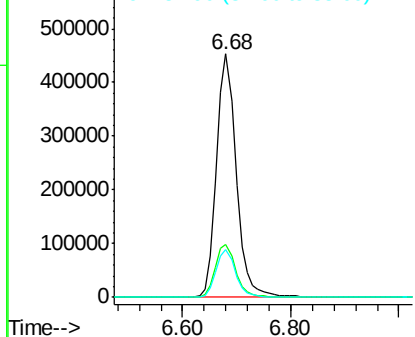
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.68 min Scan# 656
 Delta R.T. -0.02 min
 Lab File: VD058037.D
 Acq: 9 Jun 2018 2:10

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 1142807
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 42.8
 88 19.6 0.0 37.8

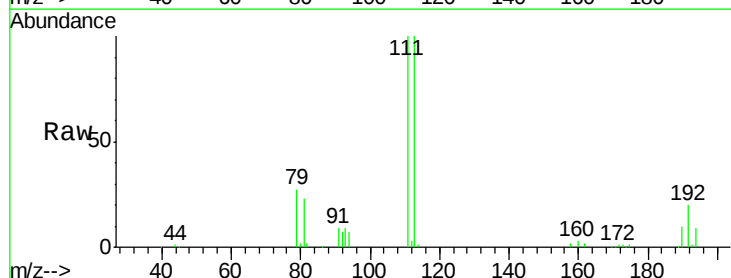


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC

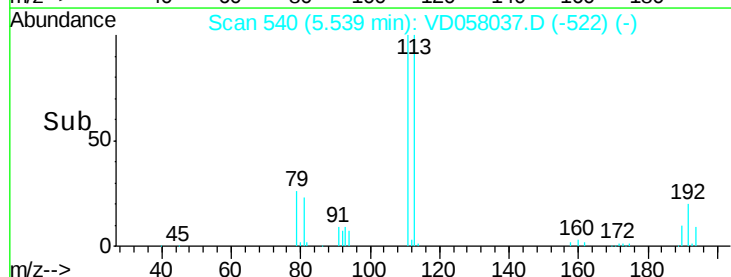
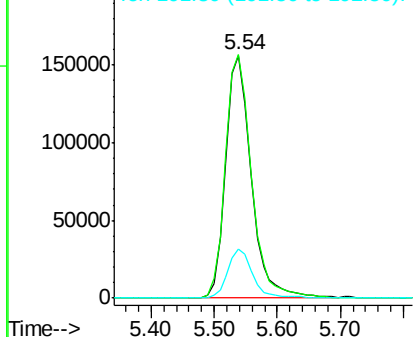


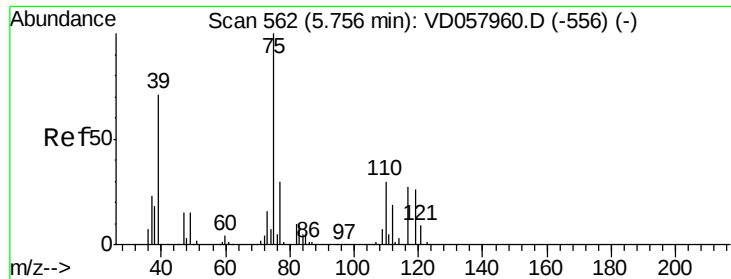
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.54 min Scan# 540
 Delta R.T. -0.02 min
 Lab File: VD058037.D
 Acq: 9 Jun 2018 2:10

Tgt Ion:113 Resp: 440506
 Ion Ratio Lower Upper
 113 100
 111 100.5 81.5 122.3
 192 20.0 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





#36

1,1-Dichloropropene

Concen: 5.678 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.13 min

Lab File: VD058037.D

Acq: 9 Jun 2018 2:10

Instrument :
MSVOA_D
ClientSampleId :

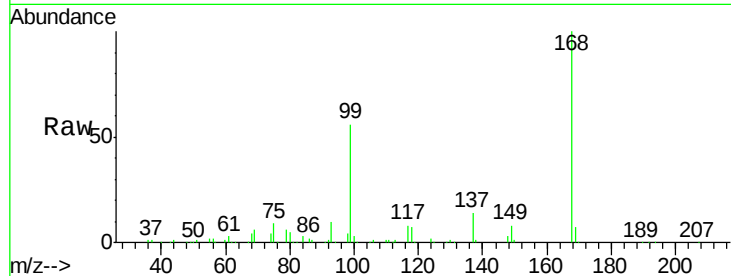
Tot Ion: 75 Resp: 71495

Ion Ratio Lower Upper

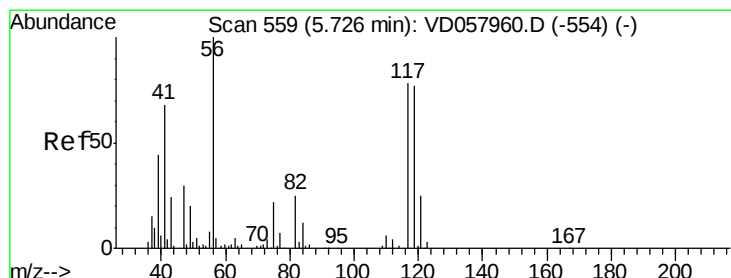
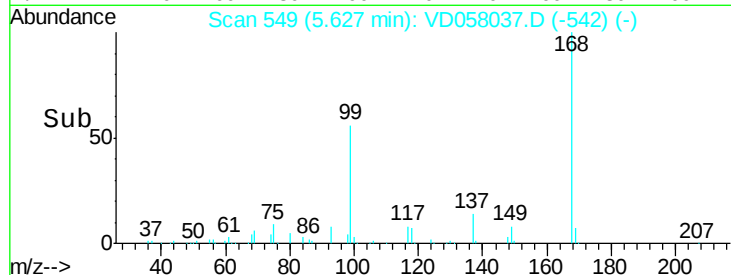
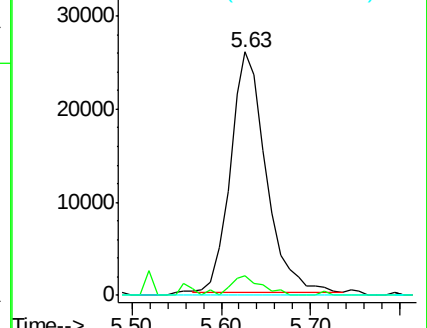
75 100

110 8.3 14.8 44.3#

77 0.0 23.9 35.9#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): VDC
Ion 76.95 (76.65 to 77.65): VDC



#38

Carbon Tetrachloride

Concen: 5.806 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.10 min

Lab File: VD058037.D

Acq: 9 Jun 2018 2:10

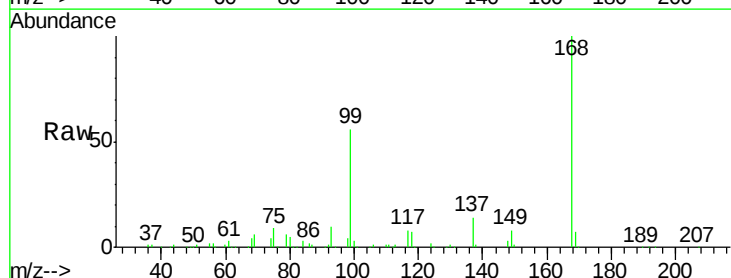
Tgt Ion: 117 Resp: 72042

Ion Ratio Lower Upper

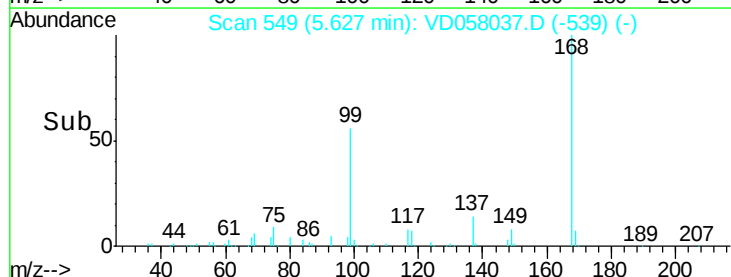
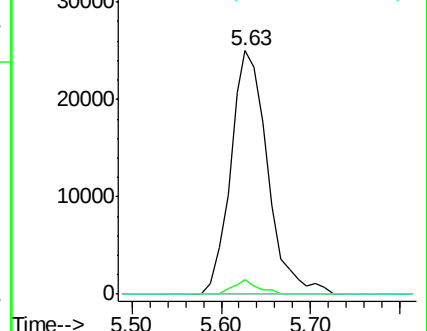
117 100

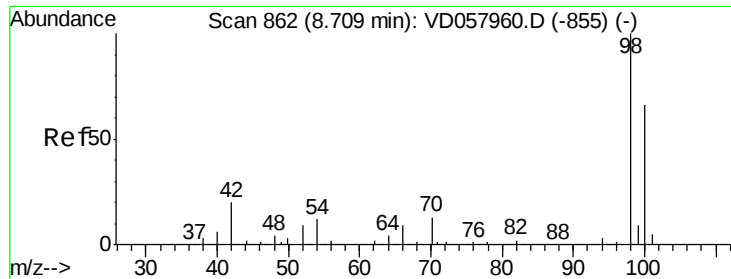
119 5.9 76.1 114.1#

121 0.0 24.9 37.3#



Abundance Ion 116.85 (116.55 to 117.55): VDC
Ion 118.85 (118.55 to 119.55): VDC
Ion 120.85 (120.55 to 121.55): VDC





#50

Toluene-d8

Concen: N.D. ug/l

RT: 8.70 min Scan# 861

Delta R.T. -0.01 min

Lab File: VD058037.D

Acq: 9 Jun 2018 2:10

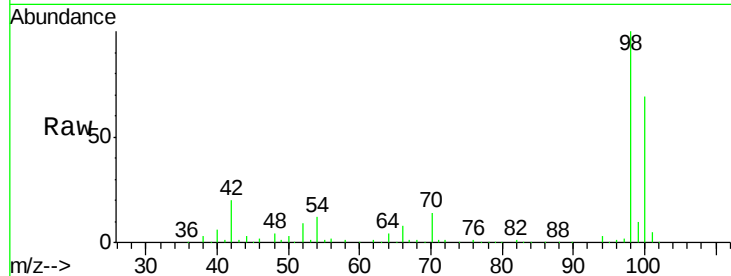
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 964659

Ion Ratio Lower Upper

98 100

100 69.3 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) (-)

8.70

400000

300000

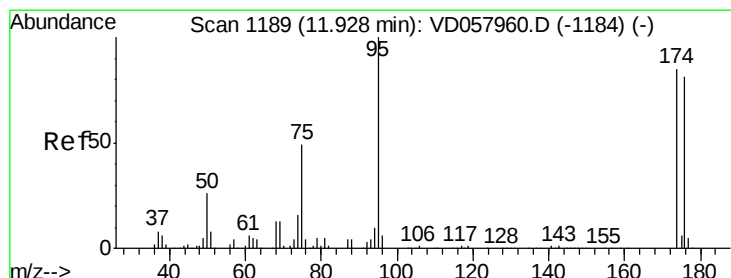
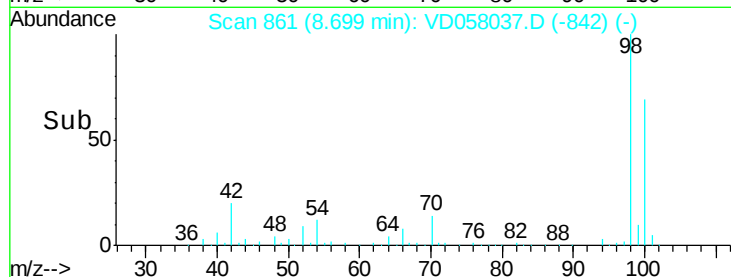
200000

100000

0

8.60 8.70 8.80 8.90

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.93 min Scan# 1189

Delta R.T. -0.00 min

Lab File: VD058037.D

Acq: 9 Jun 2018 2:10

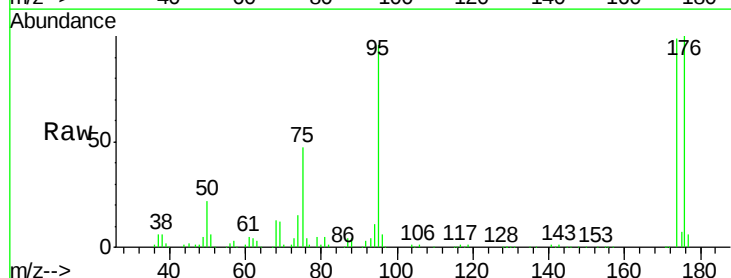
Tgt Ion: 95 Resp: 426672

Ion Ratio Lower Upper

95 100

174 103.8 0.0 169.4

176 104.5 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) (-)

400000

300000

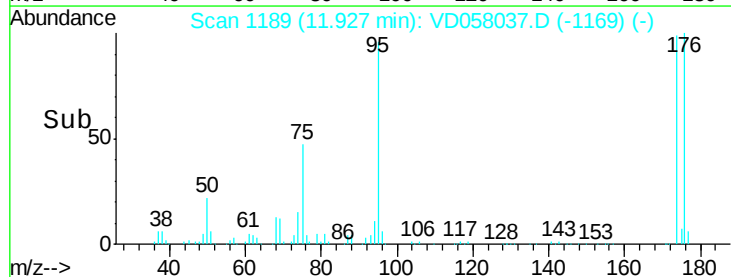
200000

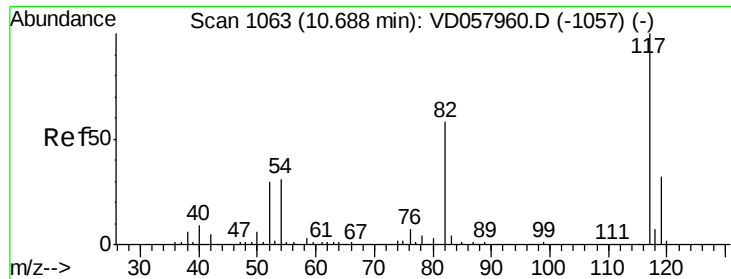
100000

0

11.90 11.93 11.96 11.99

Time-->

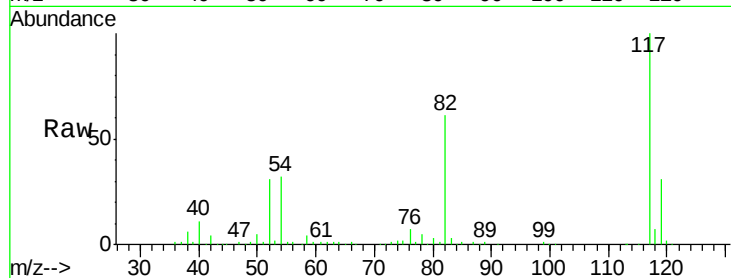




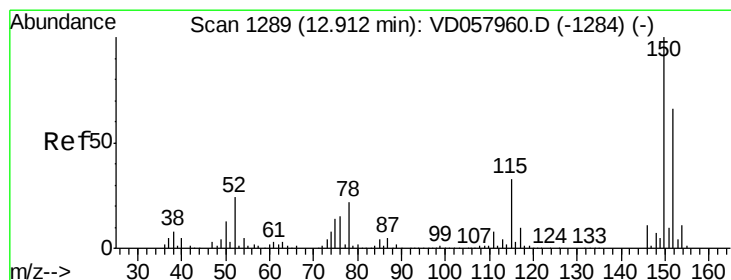
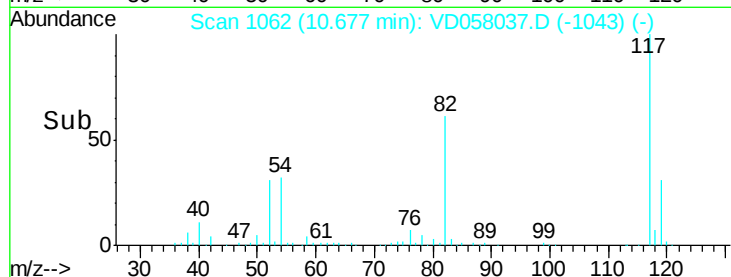
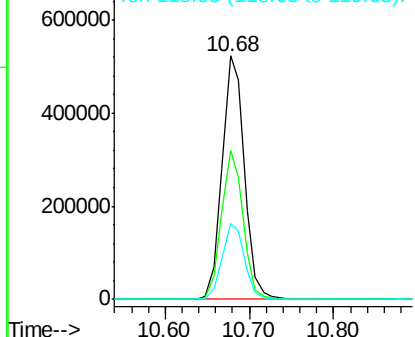
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.01 min
Lab File: VD058037.D
Acq: 9 Jun 2018 2:10

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 958710
Ion Ratio Lower Upper
117 100
82 61.3 46.8 70.2
119 31.4 25.8 38.6

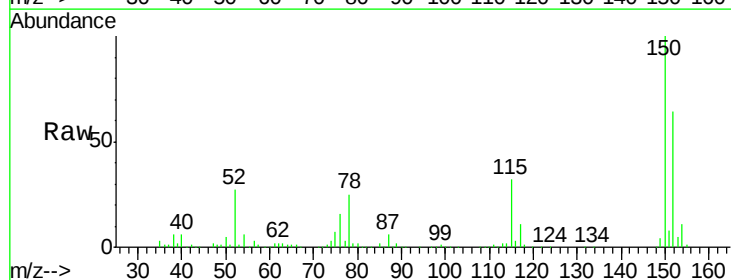


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

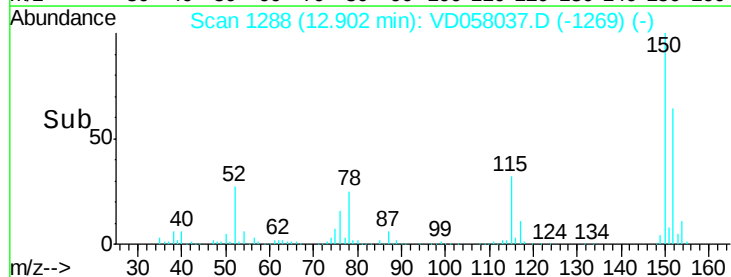
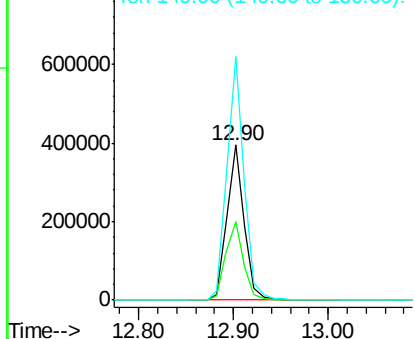


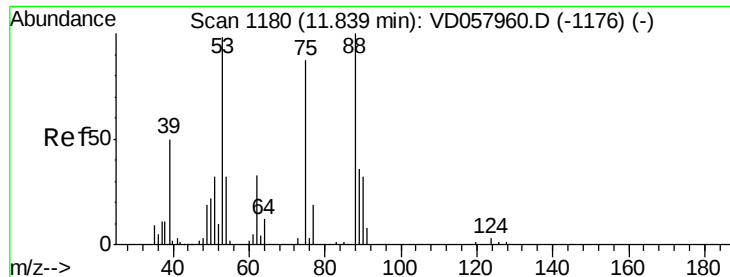
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VD058037.D
Acq: 9 Jun 2018 2:10

Tgt Ion:152 Resp: 489397
Ion Ratio Lower Upper
152 100
115 51.1 25.6 76.6
150 157.3 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: 115.604 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.09 min

Lab File: VD058037.D

Acq: 9 Jun 2018 2:10

Instrument :

MSVOA_D

ClientSampled :

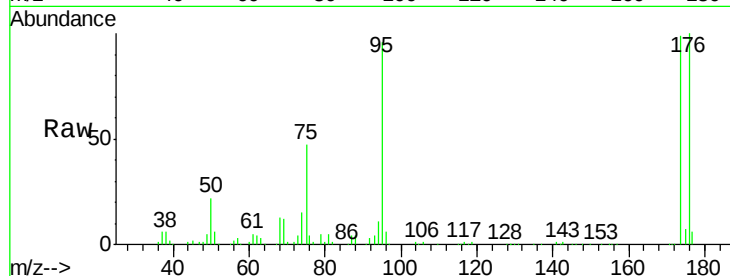
Tot Ion: 75 Resp: 210497

Ion Ratio Lower Upper

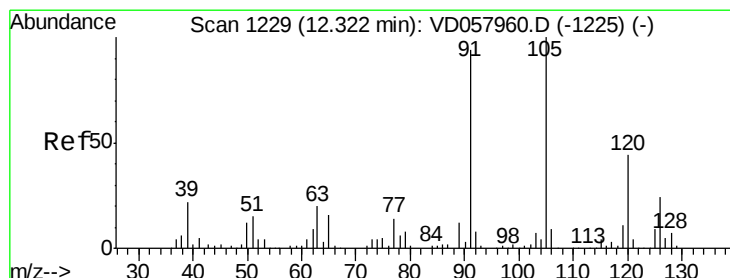
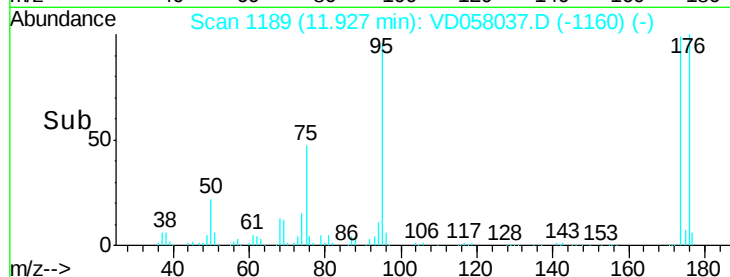
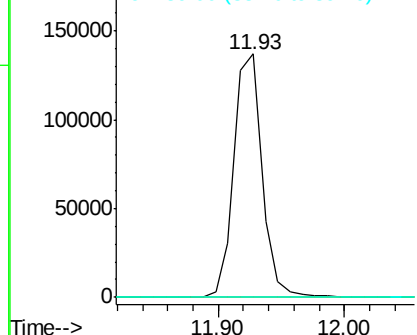
75 100

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: VD058037.D

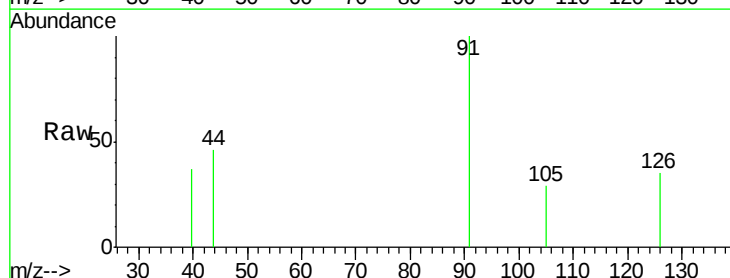
Acq: 9 Jun 2018 2:10

Tgt Ion: 91 Resp: 1411

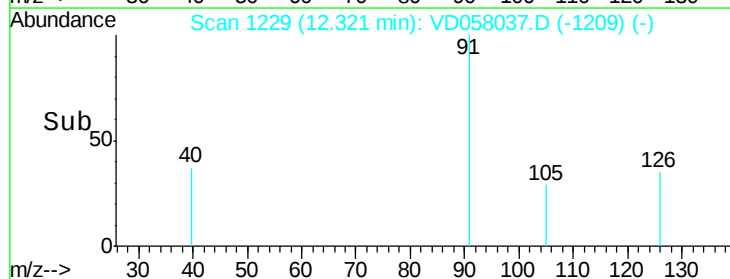
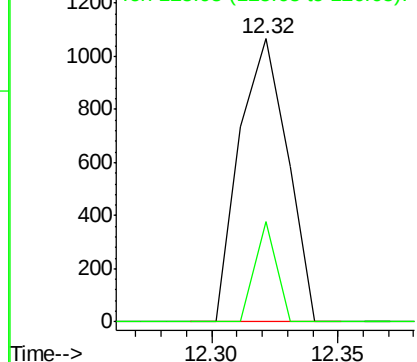
Ion Ratio Lower Upper

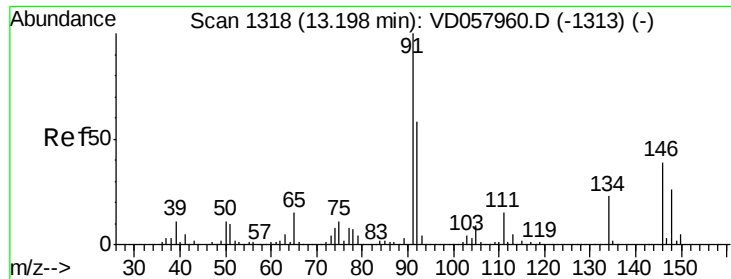
91 100

126 35.3 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: 13.20 min Scan# 1318

Delta R.T. 0.00 min

Lab File: VD058037.D

Acq: 9 Jun 2018 2:10

Instrument :

MSVOA_D

ClientSampleId :

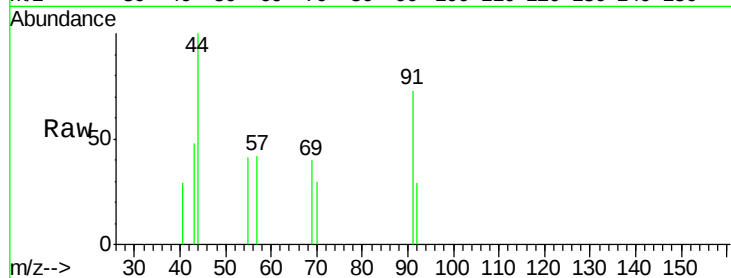
Tot Ion: 91 Resp: 997

Ion Ratio Lower Upper

91 100

92 39.9 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): V

