

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081518\
 Data File : VD059788.D
 Acq On : 15 Aug 2018 3:40
 Operator : VA/AP
 Sample : VD0815SBL01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0815SBL01

Quant Time: Aug 15 17:49:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081518S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 15 16:08:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	276067	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	372292	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	299035	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	154153	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.02	65	179202	50.52	ug/l	0.00
Spiked Amount			Recovery	=	101.04%	
35) Dibromofluoromethane	5.54	113	167688	51.69	ug/l	0.00
Spiked Amount			Recovery	=	103.38%	
50) Toluene-d8	8.71	98	402432	52.37	ug/l	0.00
Spiked Amount			Recovery	=	104.74%	
62) 4-Bromofluorobenzene	11.93	95	166973	48.51	ug/l	0.00
Spiked Amount			Recovery	=	97.02%	

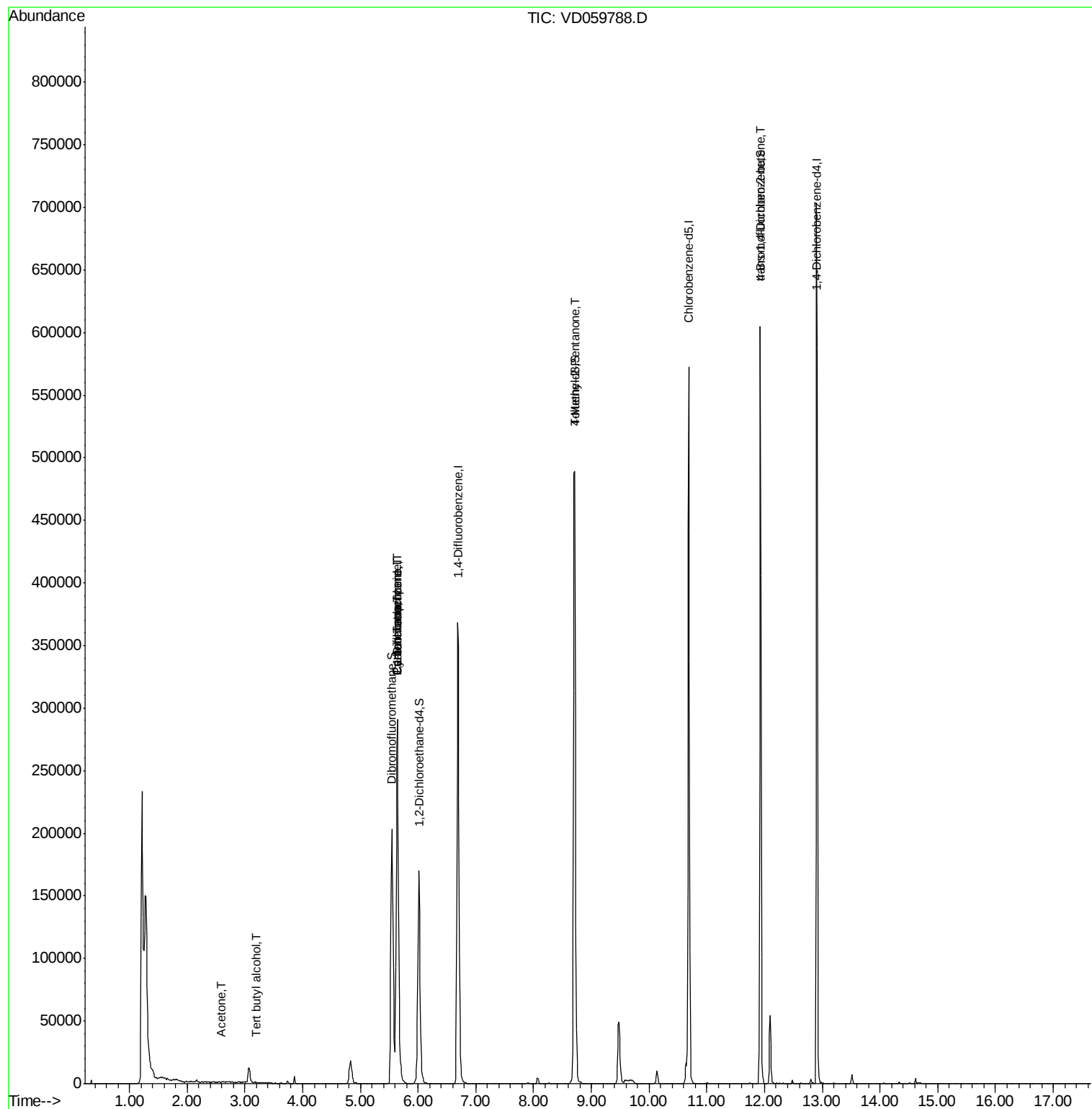
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.19	59	263	2.10	ug/l #	74
16) Acetone	2.59	43	887	1.58	ug/l #	57
31) Cyclohexane	5.64	56	6754	1.87	ug/l #	15
36) 1,1-Dichloropropene	5.64	75	23995	6.28	ug/l #	48
38) Carbon Tetrachloride	5.64	117	27339	5.93	ug/l #	16
51) 4-Methyl-2-Pentanone	8.70	43	2689	1.47	ug/l #	1
81) trans-1,4-Dichloro-2-buten	11.93	75	80687	157.68	ug/l #	1

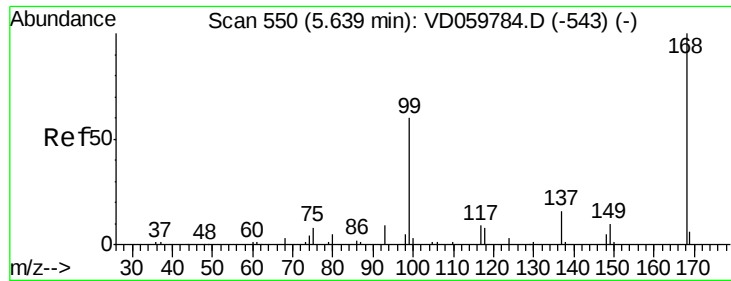
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081518\
Data File : VD059788.D
Acq On : 15 Aug 2018 3:40
Operator : VA/AP
Sample : VD0815SBL01
Misc : 5.00µl/5ml/MSVOA D/SOIL
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0815SBL01

Quant Time: Aug 15 17:49:44 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D081518S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 15 16:08:23 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.64 min Scan# 551

Delta R.T. 0.00 min

Lab File: VD059788.D

Acq: 15 Aug 2018 3:40

Instrument :

MSVOA_D

ClientSampleId :

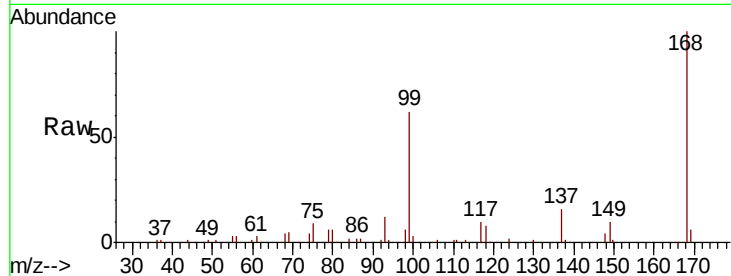
VD0815SBL01

Tot Ion:168 Resp: 276067

Ion Ratio Lower Upper

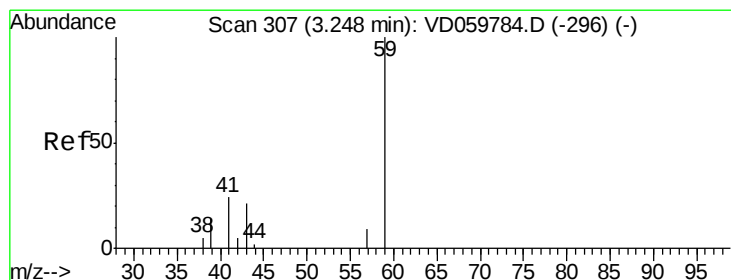
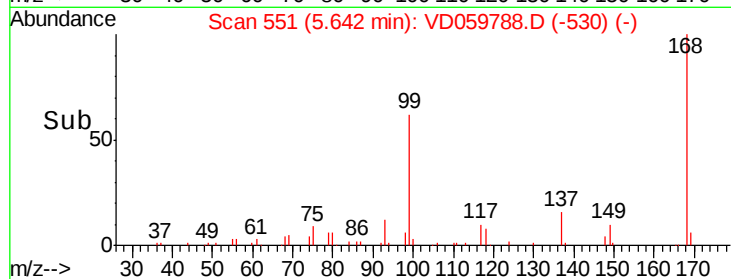
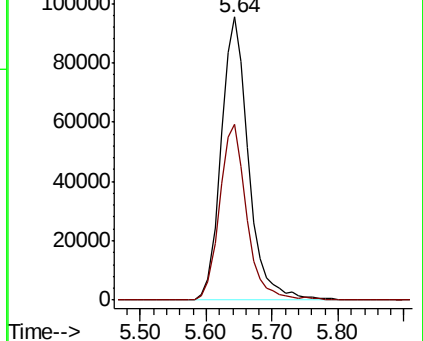
168 100

99 62.1 50.3 75.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 2.10 ug/l

RT: 3.19 min Scan# 302

Delta R.T. -0.06 min

Lab File: VD059788.D

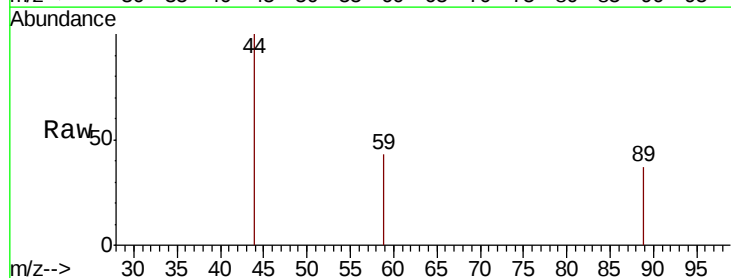
Acq: 15 Aug 2018 3:40

Tgt Ion: 59 Resp: 263

Ion Ratio Lower Upper

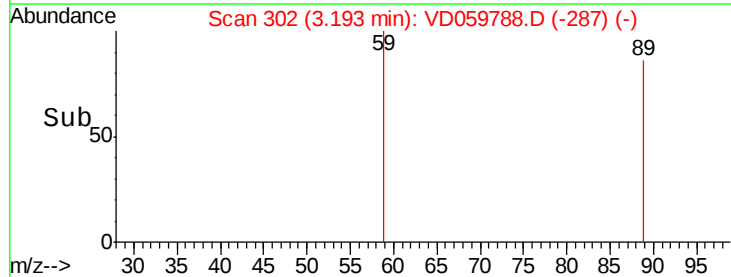
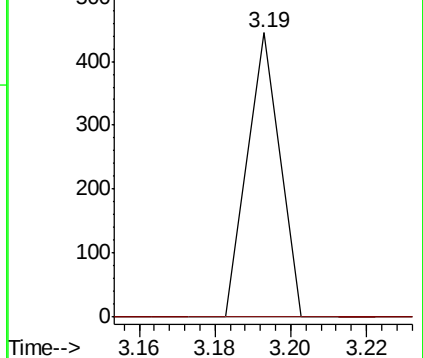
59 100

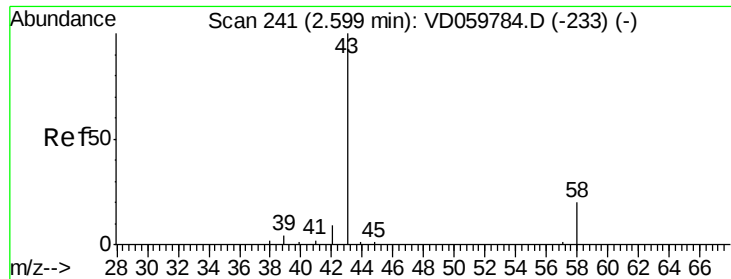
57 0.0 7.5 11.3#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 1.58 ug/l

RT: 2.59 min Scan# 241

Delta R.T. -0.01 min

Lab File: VD059788.D

Acq: 15 Aug 2018 3:40

Instrument :

MSVOA_D

ClientSampleId :

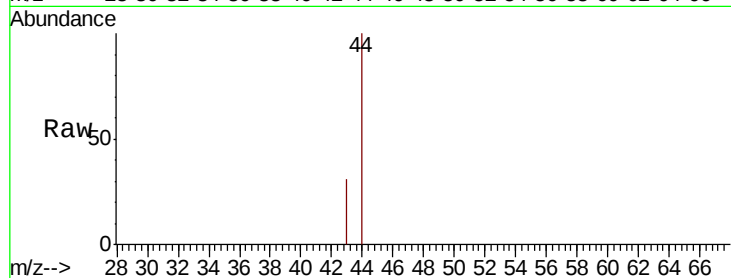
VD0815SBL01

Tot Ion: 43 Resp: 887

Ion Ratio Lower Upper

43 100

58 0.0 15.7 23.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

2.59

400

300

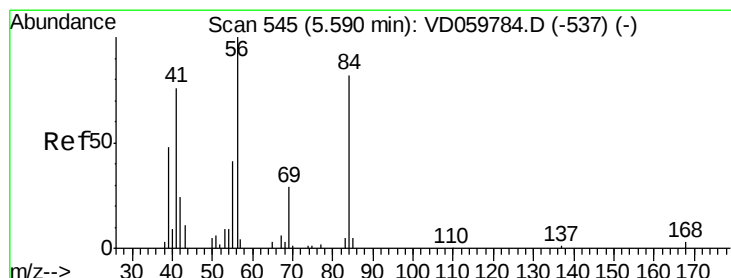
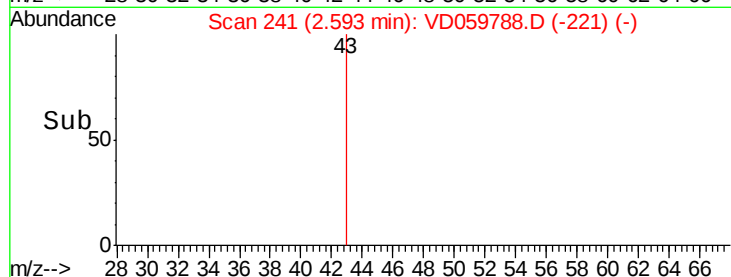
200

100

0

2.55 2.60 2.65

Time-->



#31

Cyclohexane

Concen: 1.87 ug/l

RT: 5.64 min Scan# 551

Delta R.T. 0.05 min

Lab File: VD059788.D

Acq: 15 Aug 2018 3:40

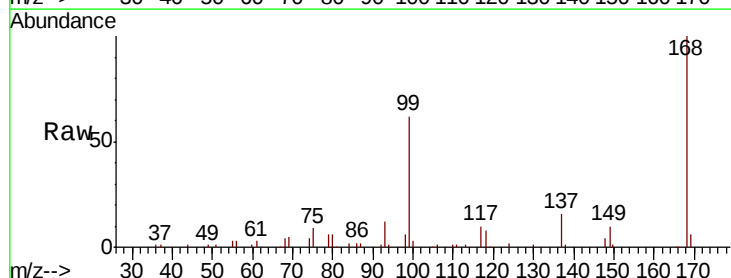
Tgt Ion: 56 Resp: 6754

Ion Ratio Lower Upper

56 100

69 190.1 23.4 35.2#

84 74.2 65.4 98.2



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

6000

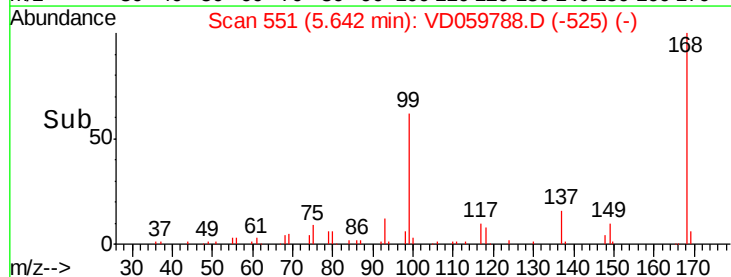
4000

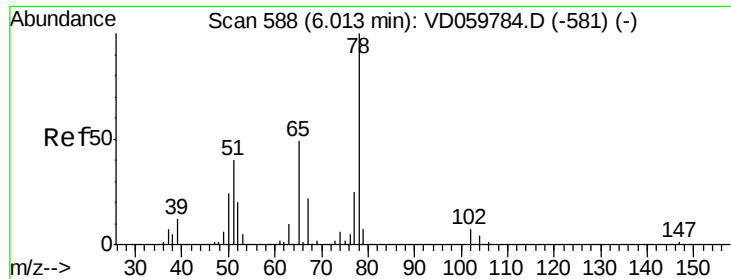
2000

0

5.55 5.60 5.65 5.70

Time-->

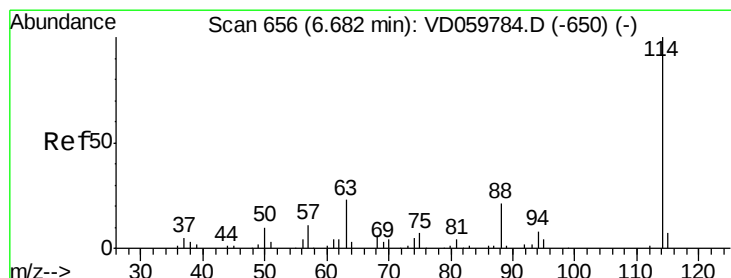
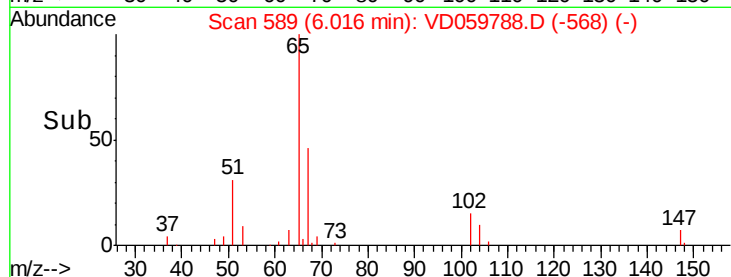
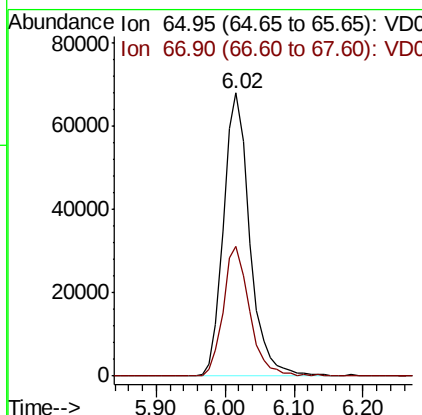
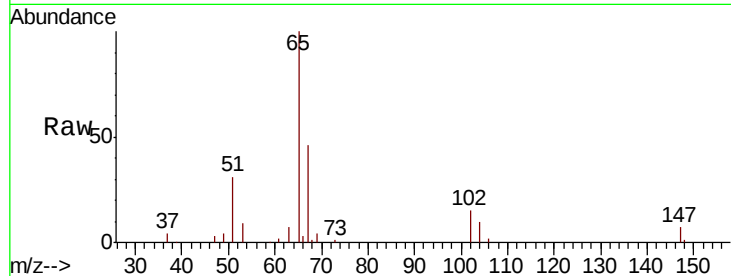




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.02 min Scan# 589
 Delta R.T. 0.00 min
 Lab File: VD059788.D
 Acq: 15 Aug 2018 3:40

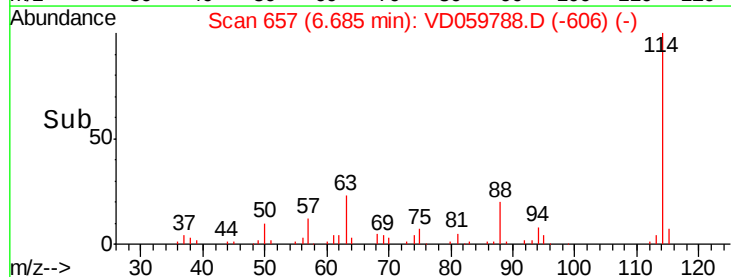
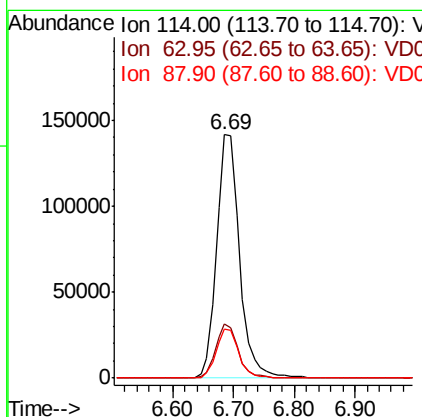
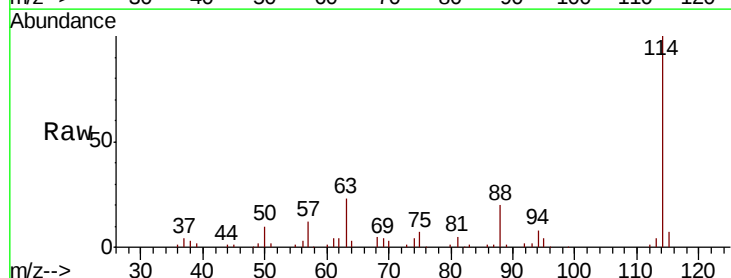
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0815SBL01

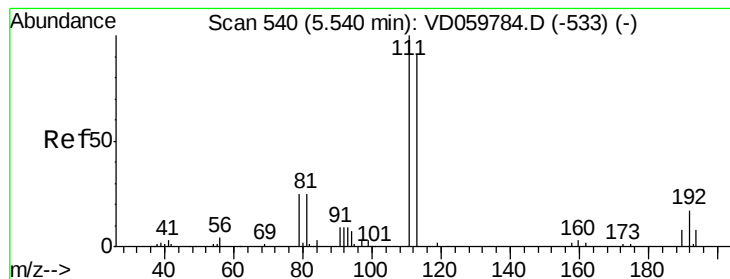
Tot Ion: 65 Resp: 179202
 Ion Ratio Lower Upper
 65 100
 67 45.9 0.0 87.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.69 min Scan# 657
 Delta R.T. 0.00 min
 Lab File: VD059788.D
 Acq: 15 Aug 2018 3:40

Tgt Ion: 114 Resp: 372292
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 45.0
 88 20.4 0.0 41.2





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.54 min Scan# 541

Delta R.T. 0.00 min

Lab File: VD059788.D

Acq: 15 Aug 2018 3:40

Instrument :

MSVOA_D

ClientSampleId :

VD0815SBL01

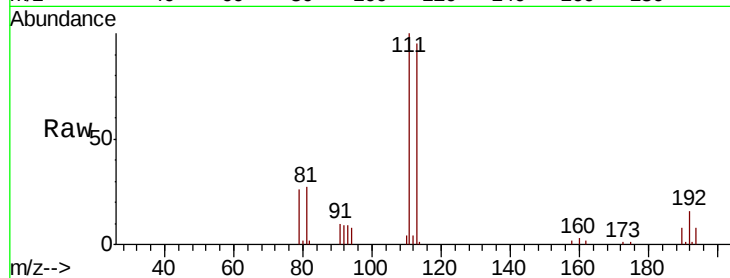
Tot Ion:113 Resp: 167688

Ion Ratio Lower Upper

113 100

111 104.9 87.7 131.5

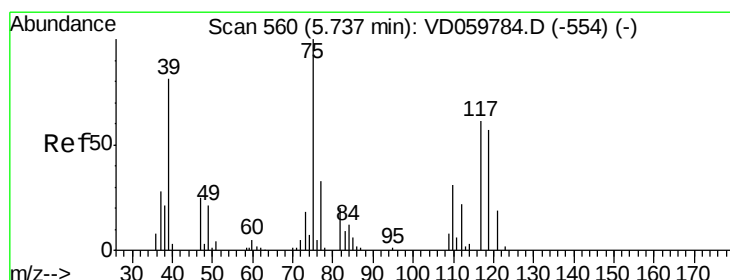
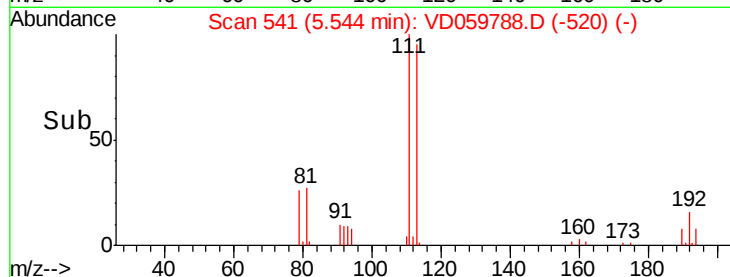
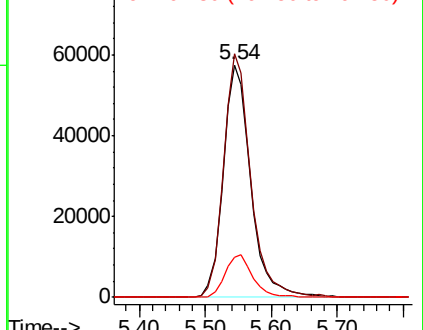
192 17.2 14.6 21.8



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: 6.28 ug/l

RT: 5.64 min Scan# 551

Delta R.T. -0.09 min

Lab File: VD059788.D

Acq: 15 Aug 2018 3:40

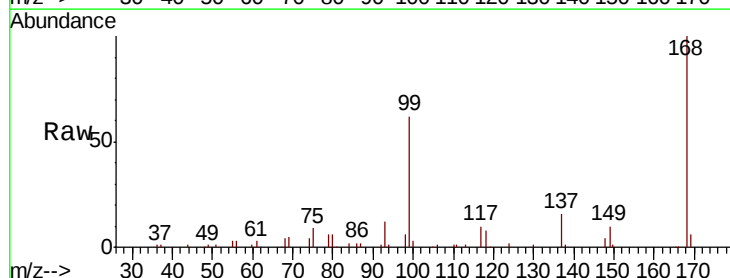
Tgt Ion: 75 Resp: 23995

Ion Ratio Lower Upper

75 100

110 6.3 15.3 45.8#

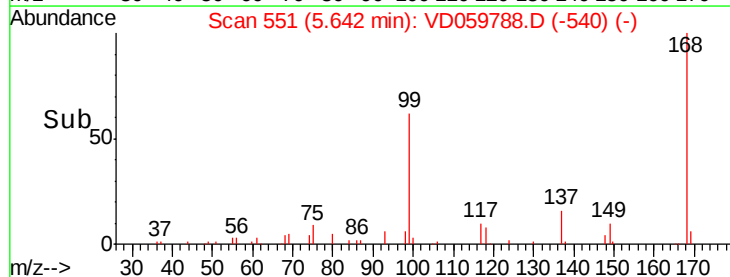
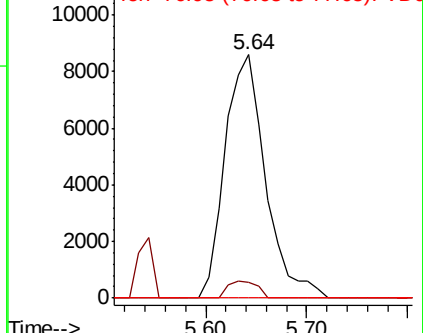
77 0.0 26.2 39.4#

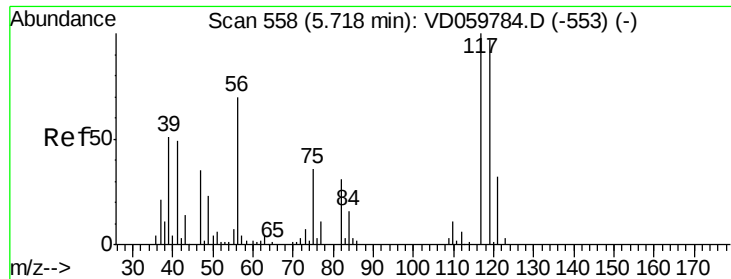


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#38

Carbon Tetrachloride

Concen: 5.93 ug/l

RT: 5.64 min Scan# 551

Delta R.T. -0.08 min

Lab File: VD059788.D

Acq: 15 Aug 2018 3:40

Instrument :

MSVOA_D

ClientSampleId :

VD0815SBL01

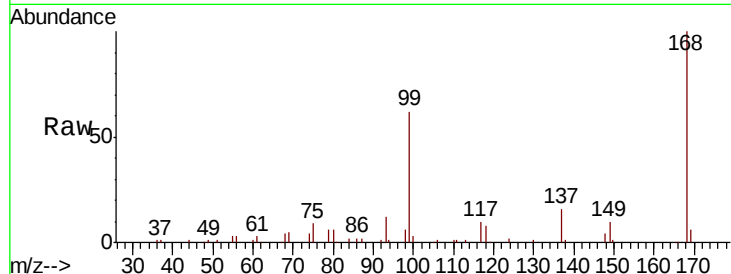
Tot Ion:117 Resp: 27339

Ion Ratio Lower Upper

117 100

119 4.5 75.7 113.5#

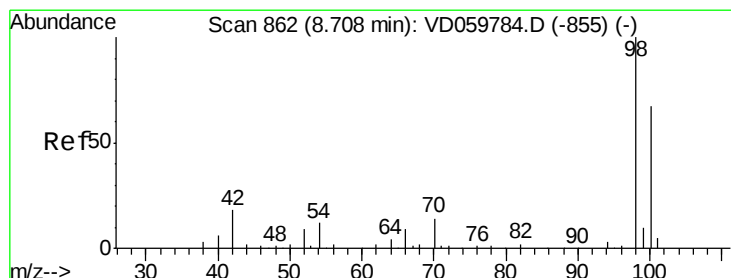
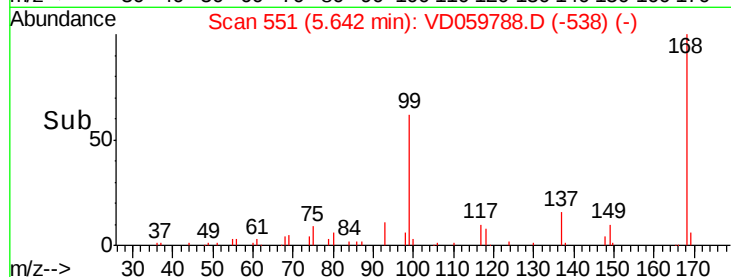
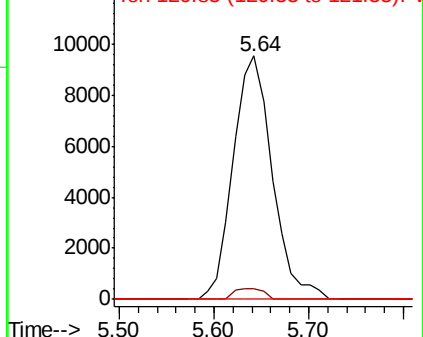
121 0.0 24.7 37.1#



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# 863

Delta R.T. 0.00 min

Lab File: VD059788.D

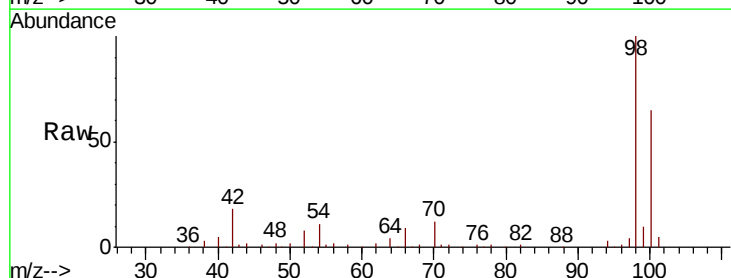
Acq: 15 Aug 2018 3:40

Tgt Ion: 98 Resp: 402432

Ion Ratio Lower Upper

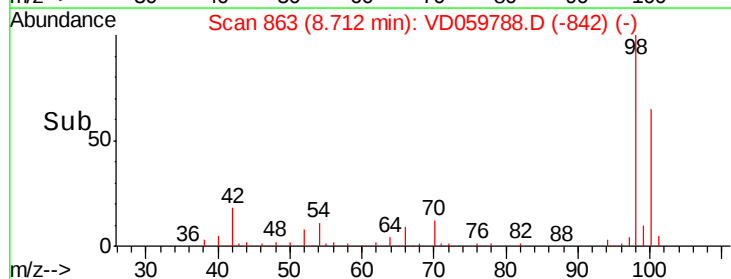
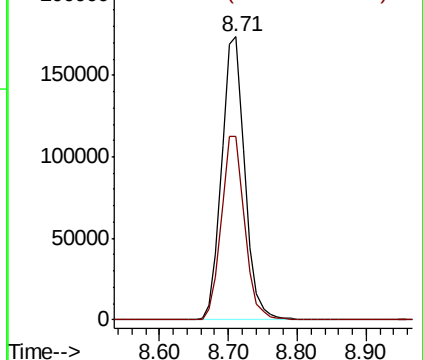
98 100

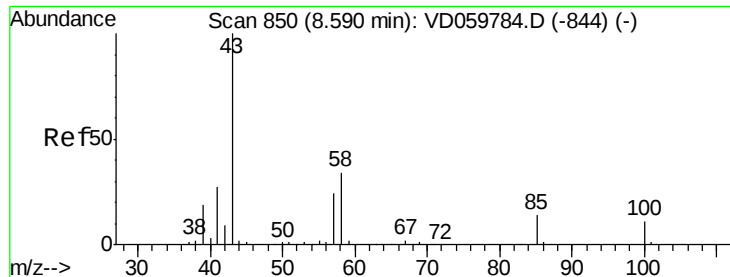
100 65.0 54.2 81.4



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#51

4-Methyl-2-Pentanone

Concen: 1.47 ug/l

RT: 8.70 min Scan# 862

Delta R.T. 0.11 min

Lab File: VD059788.D

Acq: 15 Aug 2018 3:40

Instrument :

MSVOA_D

ClientSampleId :

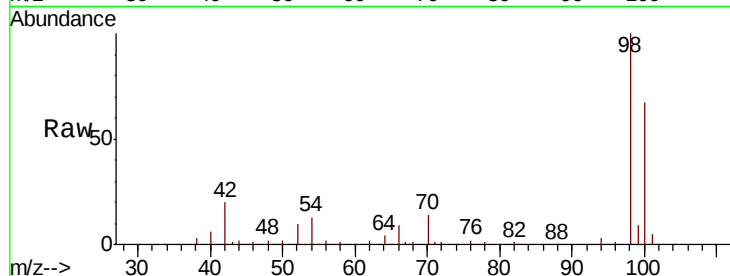
VD0815SBL01

Tot Ion: 43 Resp: 2689

Ion Ratio Lower Upper

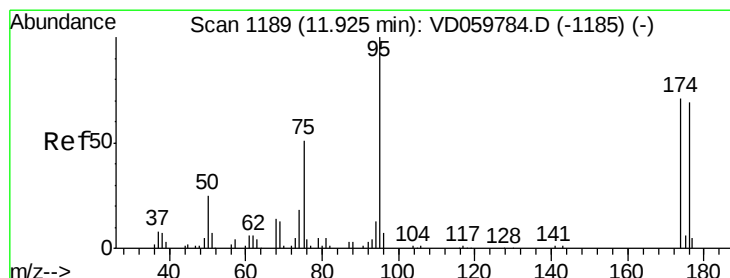
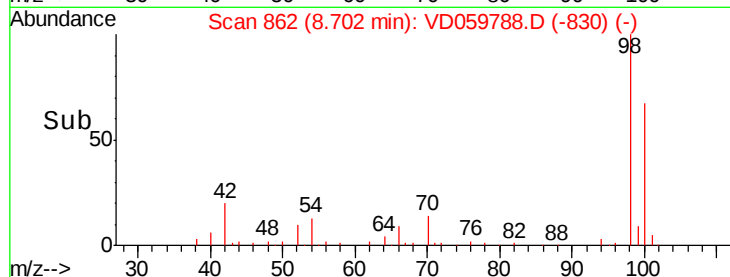
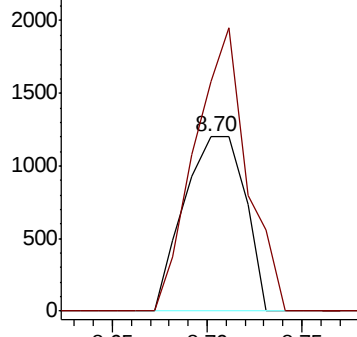
43 100

58 131.7 27.5 41.3#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.93 min Scan# 1190

Delta R.T. 0.00 min

Lab File: VD059788.D

Acq: 15 Aug 2018 3:40

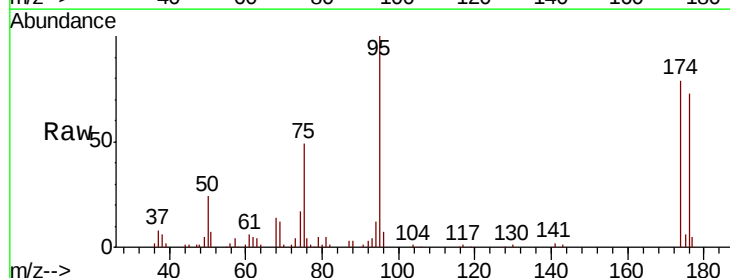
Tgt Ion: 95 Resp: 166973

Ion Ratio Lower Upper

95 100

174 79.2 0.0 142.2

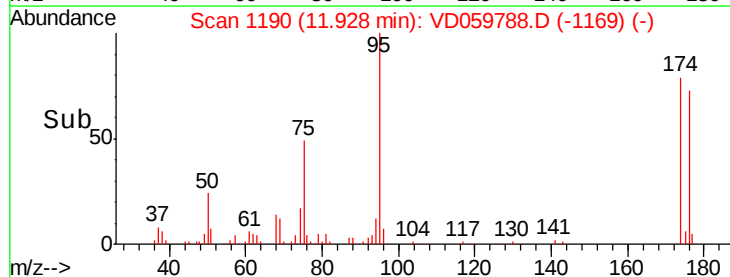
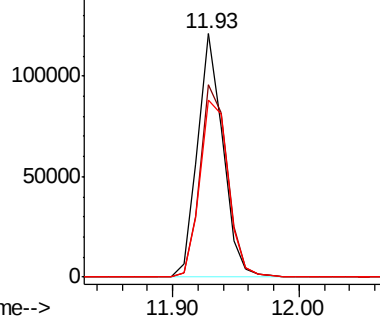
176 72.9 0.0 137.4

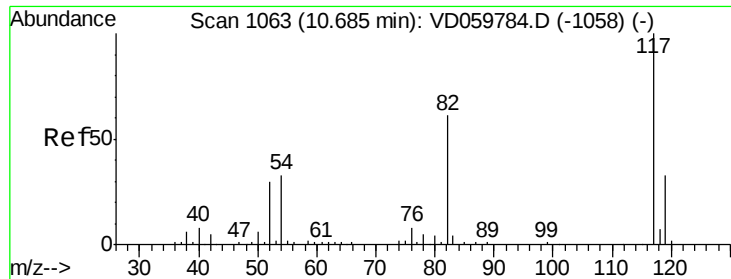


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

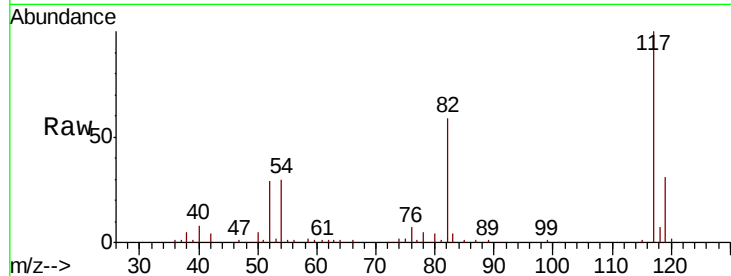




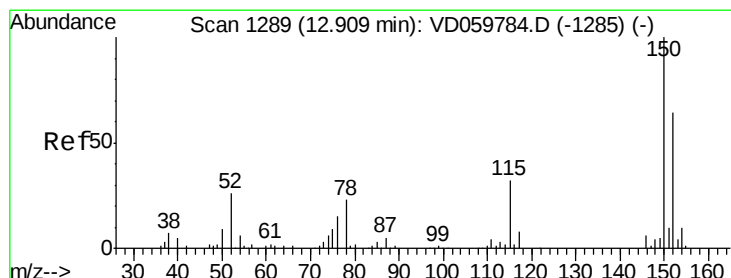
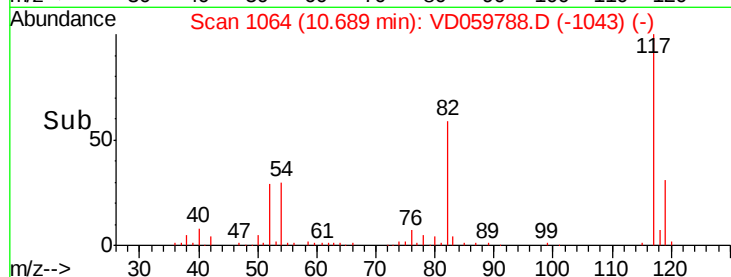
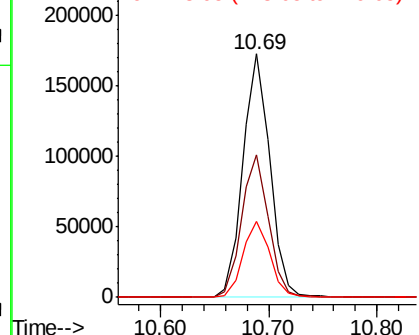
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.69 min Scan# 1064
Delta R.T. 0.00 min
Lab File: VD059788.D
Acq: 15 Aug 2018 3:40

Instrument :
MSVOA_D
ClientSampleId :
VD0815SBL01

Tot Ion:117 Resp: 299035
Ion Ratio Lower Upper
117 100
82 58.7 49.0 73.6
119 31.4 26.2 39.2

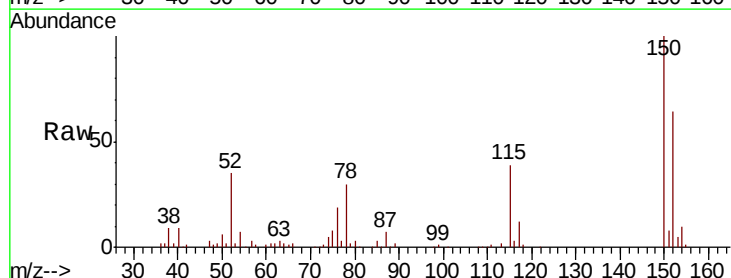


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

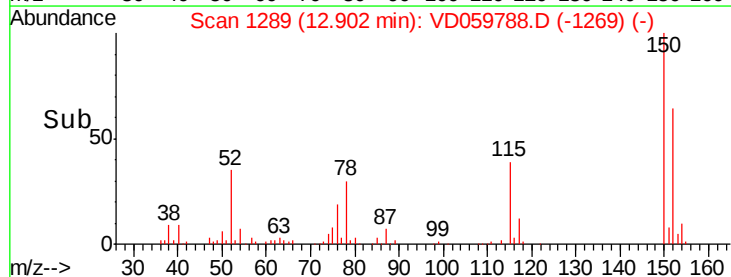
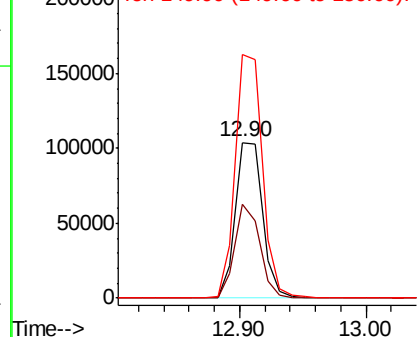


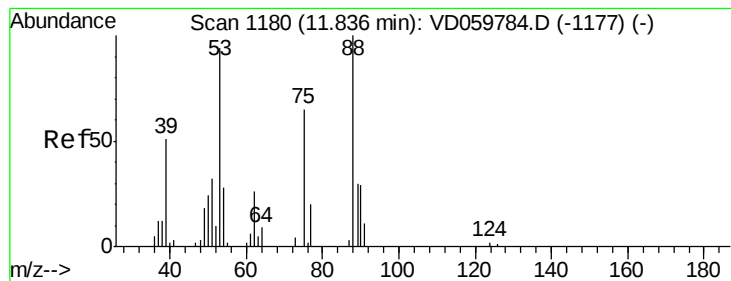
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.90 min Scan# 1289
Delta R.T. -0.01 min
Lab File: VD059788.D
Acq: 15 Aug 2018 3:40

Tgt Ion:152 Resp: 154153
Ion Ratio Lower Upper
152 100
115 60.5 27.2 81.5
150 156.4 0.0 312.4



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: 157.68 ug/l

RT: 11.93 min Scan# 1190

Delta R.T. 0.09 min

Lab File: VD059788.D

Acq: 15 Aug 2018 3:40

Instrument :

MSVOA_D

ClientSampleId :

VD0815SBL01

Tot Ion: 75 Resp: 80687

Ion Ratio Lower Upper

75 100

53 0.0 116.2 174.2#

89 0.0 37.0 55.6#

