

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD072618\
 Data File : VD059608.D
 Acq On : 26 Jul 2018 16:42
 Operator : VA/AP
 Sample : J4113-01
 Misc : 5.04g/5ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 KY030LC058-S-180720

Quant Time: Jul 27 04:58:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 07:10:33 2018
 Response via : Initial Calibration

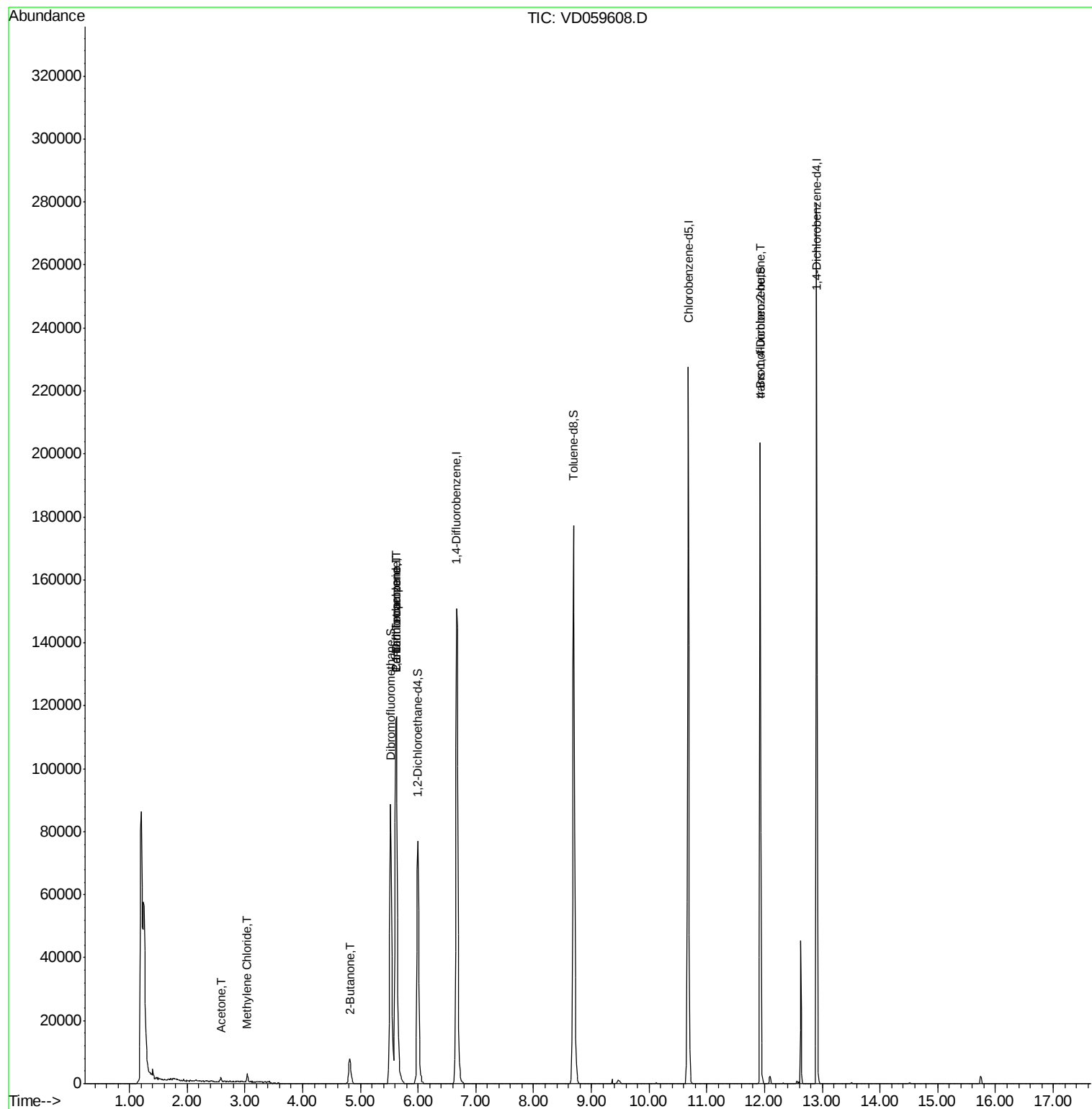
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	117754	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.67	114	152149	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.68	117	117502	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.90	152	58215	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.00	65	83800	56.61	ug/l	0.01
Spiked Amount 50.000			Recovery	=	113.22%	
35) Dibromofluoromethane	5.52	113	70253	53.83	ug/l	0.01
Spiked Amount 50.000			Recovery	=	107.66%	
50) Toluene-d8	8.69	98	142271	48.05	ug/l	0.01
Spiked Amount 50.000			Recovery	=	96.10%	
62) 4-Bromofluorobenzene	11.93	95	58779	44.08	ug/l	0.01
Spiked Amount 50.000			Recovery	=	88.16%	
Target Compounds						
					Qvalue	
16) Acetone	2.58	43	2019	9.031	ug/l #	61
20) Methylene Chloride	3.04	84	905	1.420	ug/l #	81
25) 2-Butanone	4.82	43	692	2.030	ug/l #	59
31) Cyclohexane	5.61	56	2105	Below Cal	#	5
36) 1,1-Dichloropropene	5.61	75	10185	6.671	ug/l #	53
38) Carbon Tetrachloride	5.61	117	11553	5.526	ug/l #	14
81) trans-1,4-Dichloro-2-buten	11.92	75	31742	128.962	ug/l #	1

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 549

Delta R.T. 0.01 min

Lab File: VD059608.D

Acq: 26 Jul 2018 16:42

Instrument :

MSVOA_D

ClientSampleId :

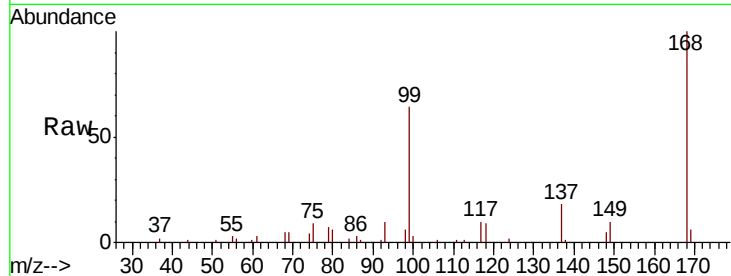
KY030LC058-S-180720

Tgt Ion:168 Resp: 117754

Ion Ratio Lower Upper

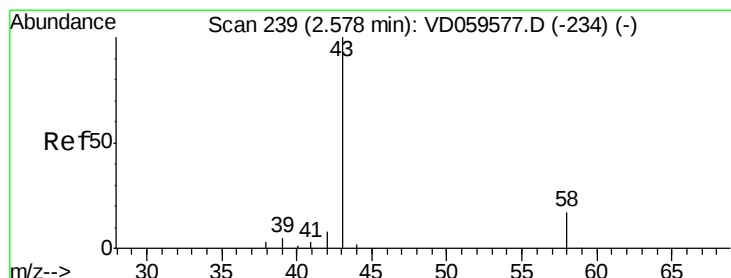
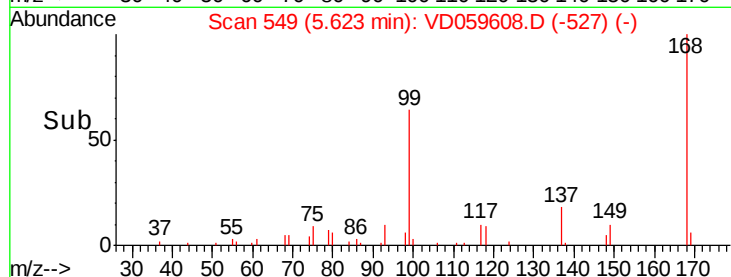
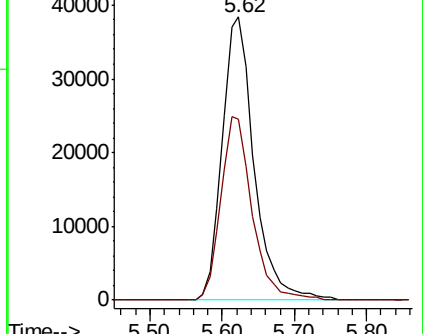
168 100

99 63.9 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 9.031 ug/l

RT: 2.58 min Scan# 240

Delta R.T. 0.00 min

Lab File: VD059608.D

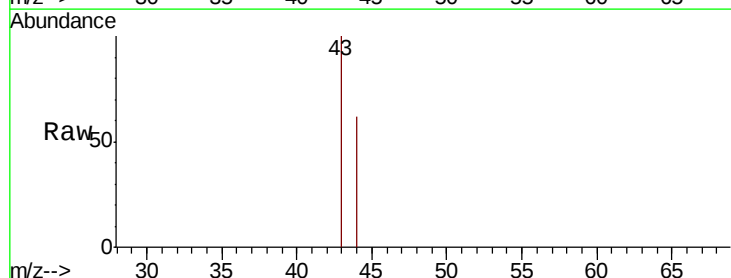
Acq: 26 Jul 2018 16:42

Tgt Ion: 43 Resp: 2019

Ion Ratio Lower Upper

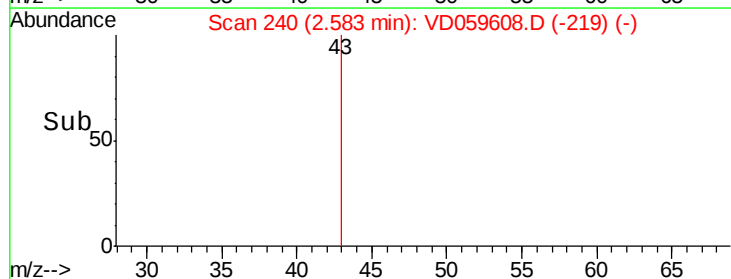
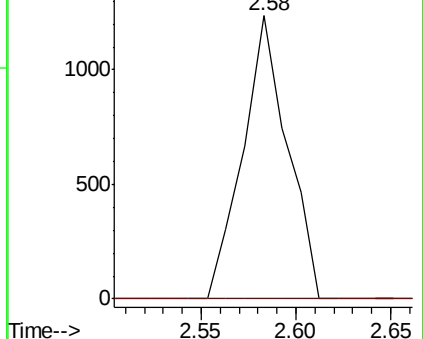
43 100

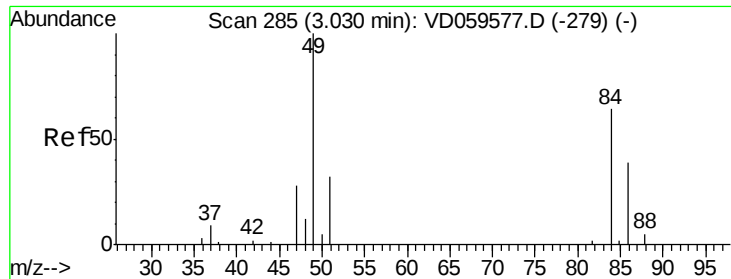
58 0.0 13.4 20.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

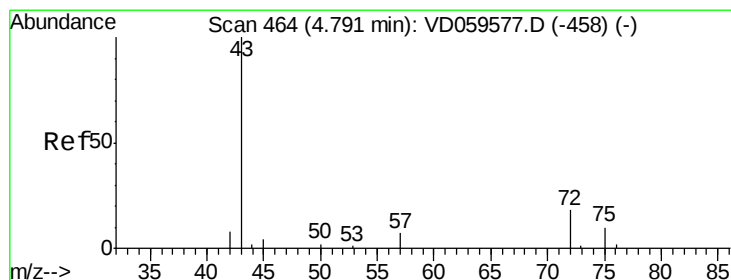
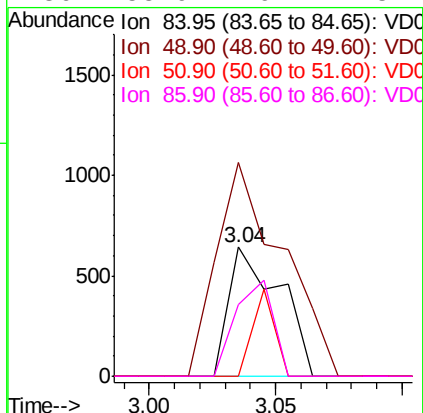
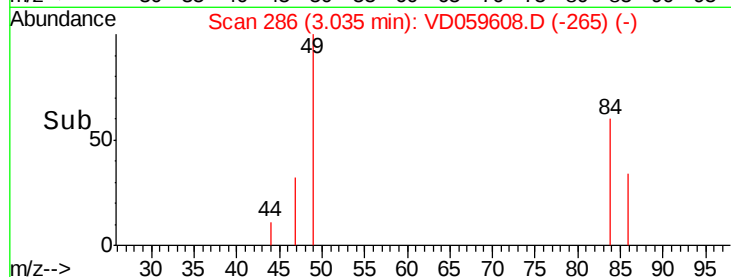
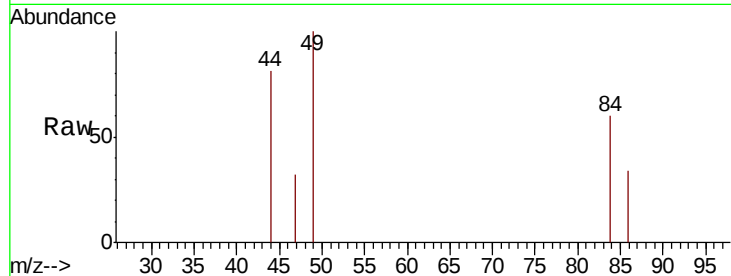




#20
Methylene Chloride
Concen: 1.420 ug/l
RT: 3.04 min Scan# 286
Delta R.T. 0.00 min
Lab File: VD059608.D
Acq: 26 Jul 2018 16:42

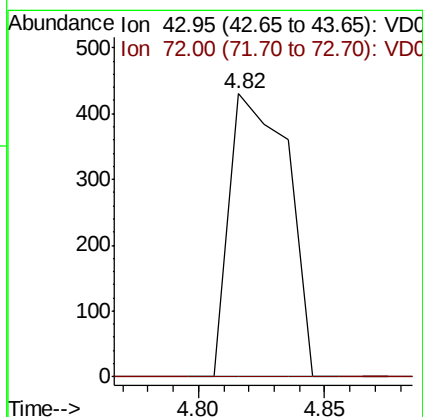
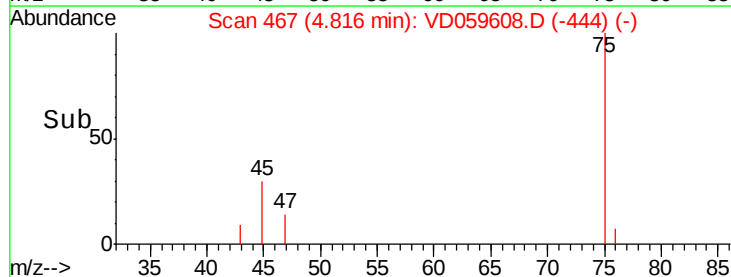
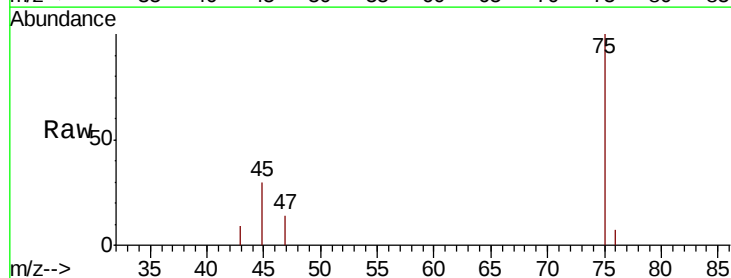
Instrument :
MSVOA_D
ClientSampleId :
KY030LC058-S-180720

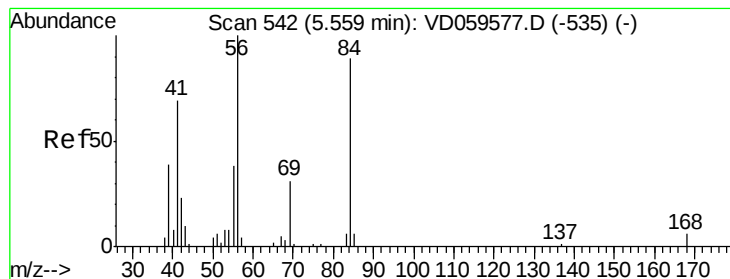
Tgt Ion: 84 Resp: 905
Ion Ratio Lower Upper
84 100
49 165.6 125.4 188.2
51 0.0 39.7 59.5#
86 55.9 49.1 73.7



#25
2-Butanone
Concen: 2.030 ug/l
RT: 4.82 min Scan# 467
Delta R.T. 0.02 min
Lab File: VD059608.D
Acq: 26 Jul 2018 16:42

Tgt Ion: 43 Resp: 692
Ion Ratio Lower Upper
43 100
72 0.0 14.7 22.1#





#31

Cyclohexane

Concen: Below Cal

RT: 5.61 min Scan# 548

Delta R.T. 0.05 min

Lab File: VD059608.D

Acq: 26 Jul 2018 16:42

Instrument :

MSVOA_D

ClientSampleId :

KY030LC058-S-180720

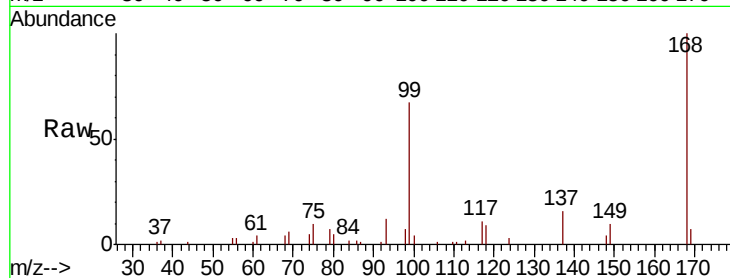
Tgt Ion: 56 Resp: 2105

Ion Ratio Lower Upper

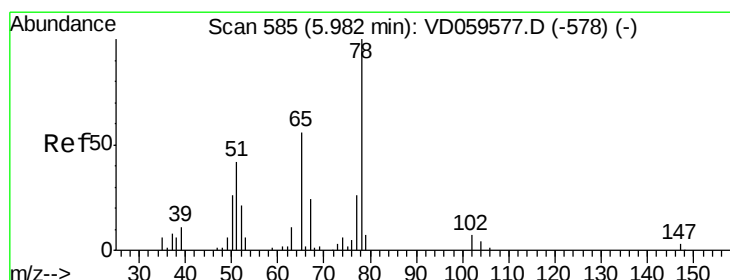
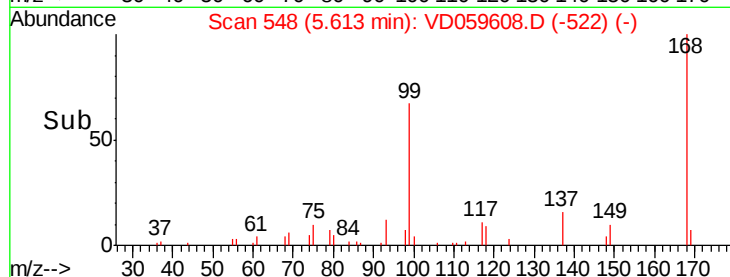
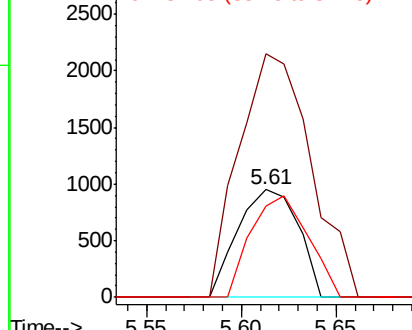
56 100

69 226.6 24.6 37.0#

84 84.9 72.7 109.1



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: 6.00 min Scan# 587

Delta R.T. 0.01 min

Lab File: VD059608.D

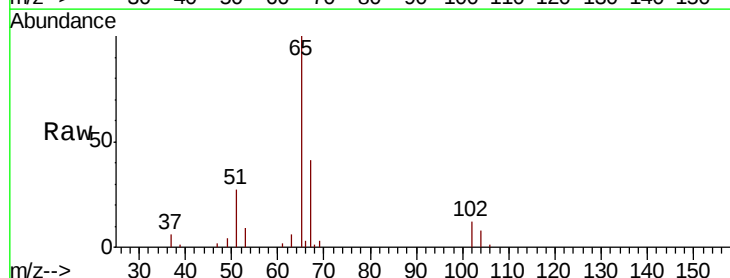
Acq: 26 Jul 2018 16:42

Tgt Ion: 65 Resp: 83800

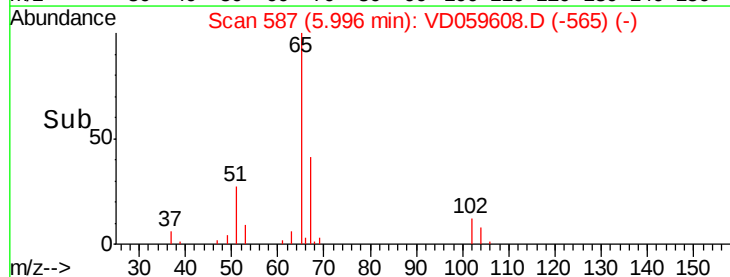
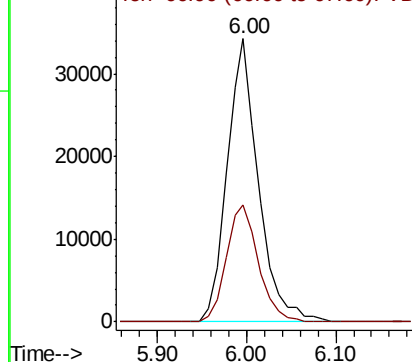
Ion Ratio Lower Upper

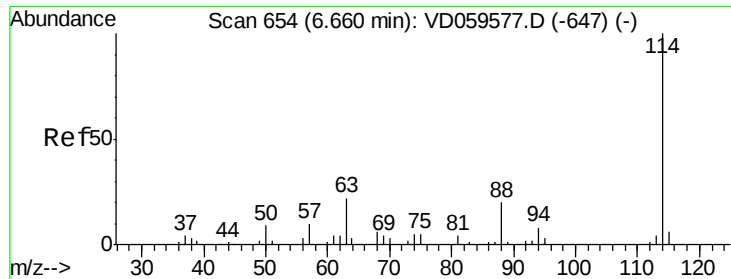
65 100

67 41.4 0.0 86.4



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

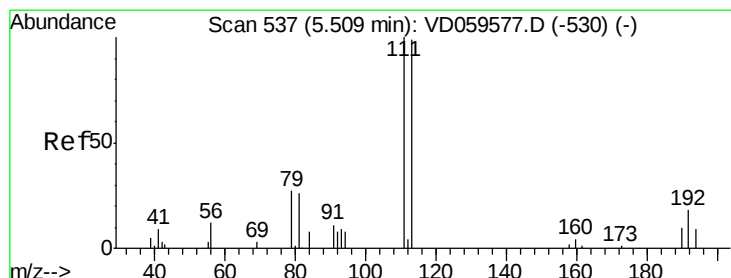
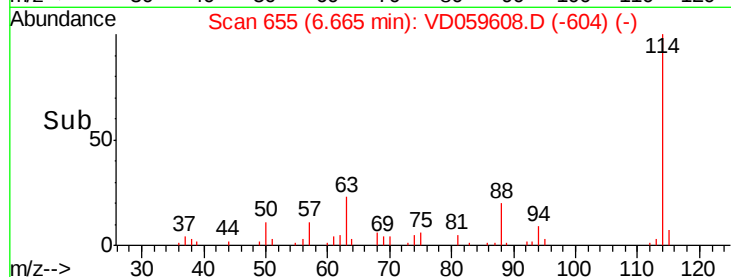
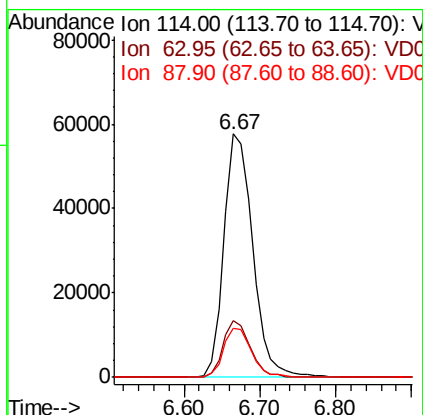
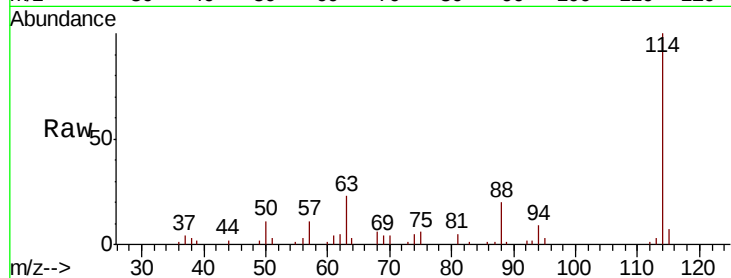




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.67 min Scan# 655
 Delta R.T. 0.00 min
 Lab File: VD059608.D
 Acq: 26 Jul 2018 16:42

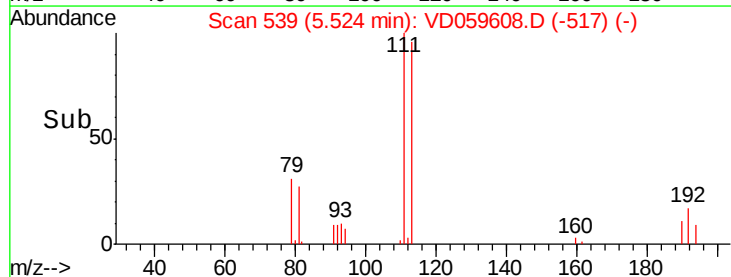
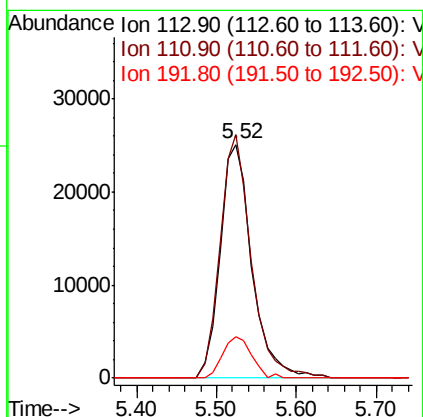
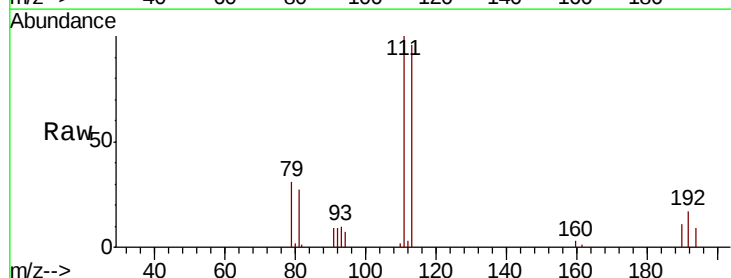
Instrument :
 MSVOA_D
 ClientSampleId :
 KY030LC058-S-180720

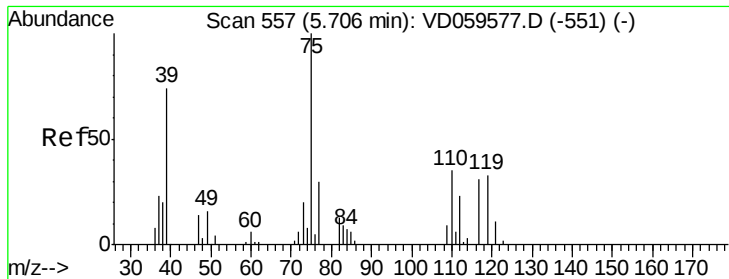
Tgt Ion:114 Resp: 152149
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 43.8
 88 20.1 0.0 39.0



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.52 min Scan# 539
 Delta R.T. 0.01 min
 Lab File: VD059608.D
 Acq: 26 Jul 2018 16:42

Tgt Ion:113 Resp: 70253
 Ion Ratio Lower Upper
 113 100
 111 104.1 80.5 120.7
 192 17.8 14.5 21.7





#36

1,1-Dichloropropene

Concen: 6.671 ug/l

RT: 5.61 min Scan# 548

Delta R.T. -0.09 min

Lab File: VD059608.D

Acq: 26 Jul 2018 16:42

Instrument :

MSVOA_D

ClientSampleId :

KY030LC058-S-180720

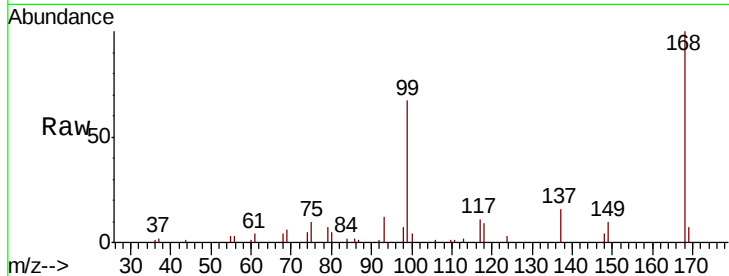
Tgt Ion: 75 Resp: 10185

Ion Ratio Lower Upper

75 100

110 11.0 17.0 50.9#

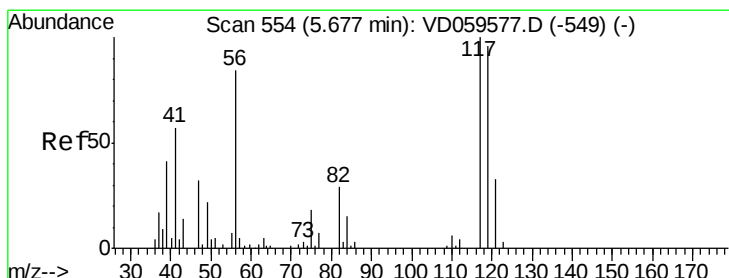
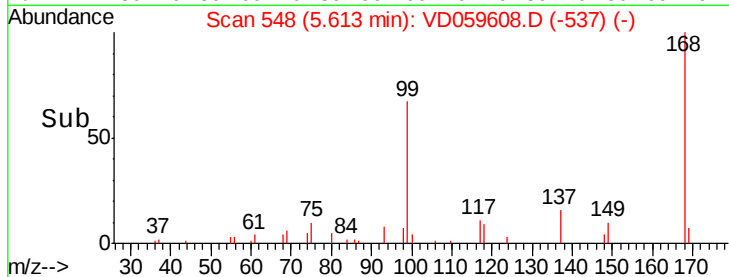
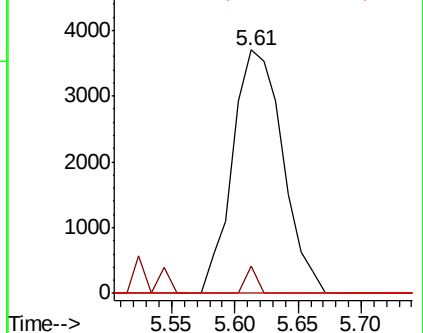
77 0.0 23.6 35.4#



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: 5.526 ug/l

RT: 5.61 min Scan# 548

Delta R.T. -0.06 min

Lab File: VD059608.D

Acq: 26 Jul 2018 16:42

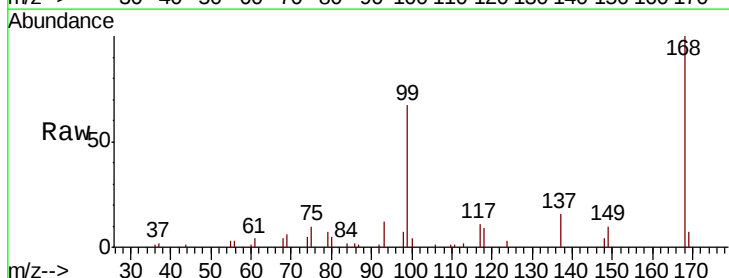
Tgt Ion: 117 Resp: 11553

Ion Ratio Lower Upper

117 100

119 0.0 73.6 110.4#

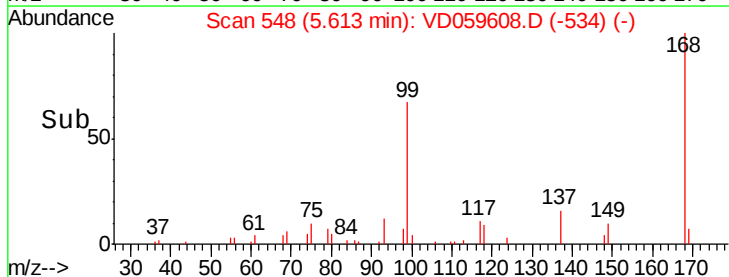
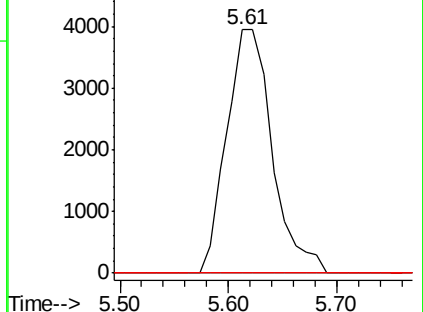
121 0.0 25.0 37.6#

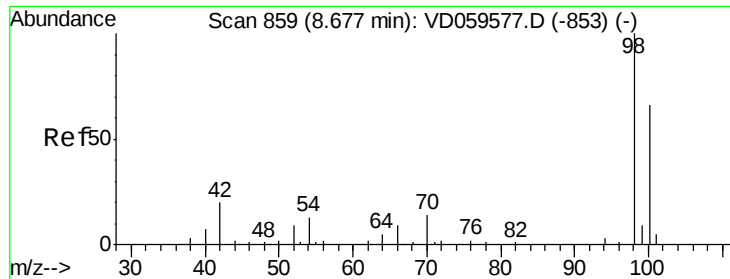


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

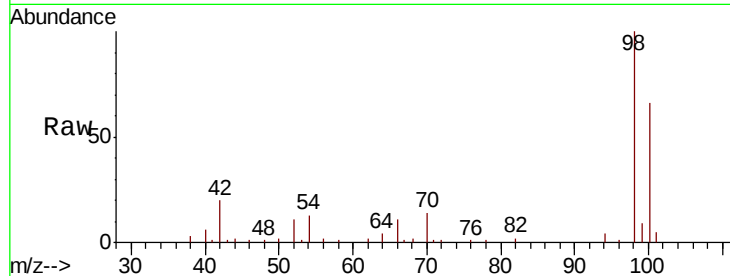




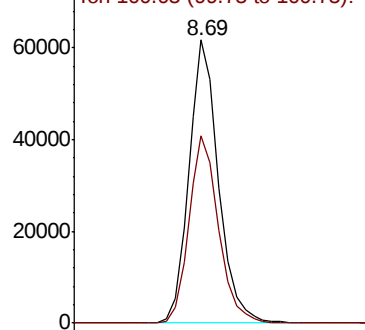
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.69 min Scan# 861
Delta R.T. 0.01 min
Lab File: VD059608.D
Acq: 26 Jul 2018 16:42

Instrument :
MSVOA_D
ClientSampleId :
KY030LC058-S-180720

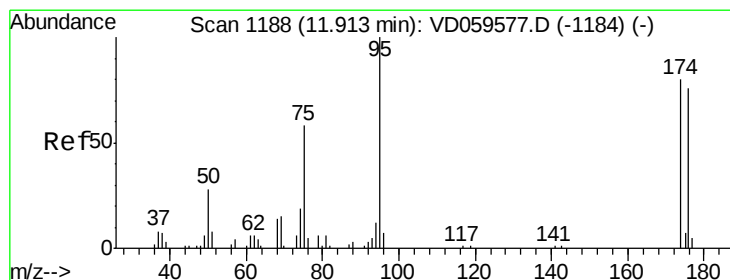
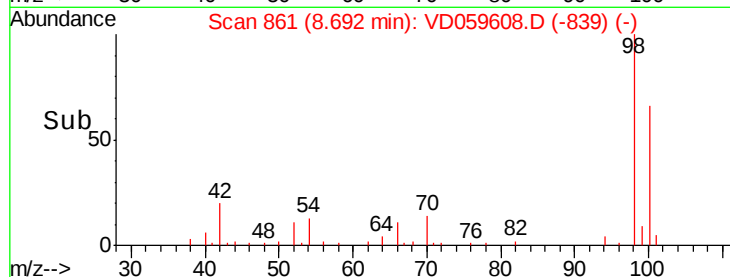
Tgt Ion: 98 Resp: 142271
Ion Ratio Lower Upper
98 100
100 66.4 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): VD059577.D (-853) (-)
Ion 100.05 (99.75 to 100.75): VD059577.D (-853) (-)

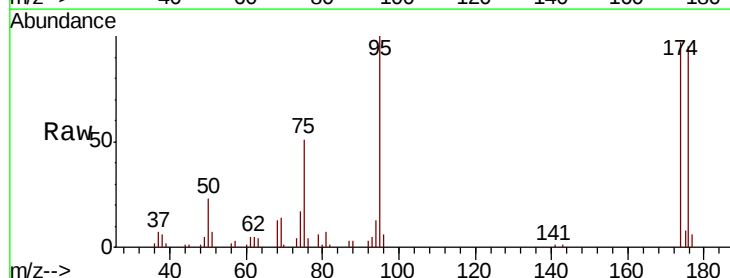


Time-->

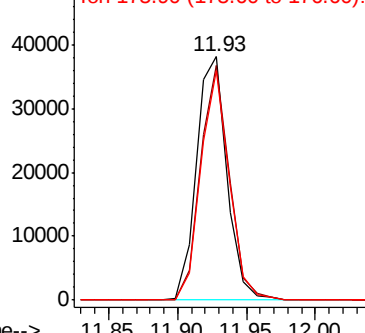


#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.93 min Scan# 1190
Delta R.T. 0.01 min
Lab File: VD059608.D
Acq: 26 Jul 2018 16:42

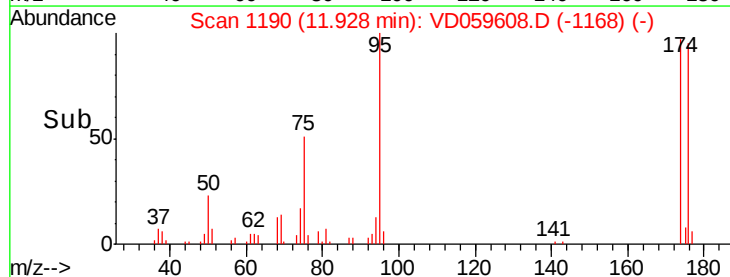
Tgt Ion: 95 Resp: 58779
Ion Ratio Lower Upper
95 100
174 96.5 0.0 160.6
176 94.5 0.0 152.8

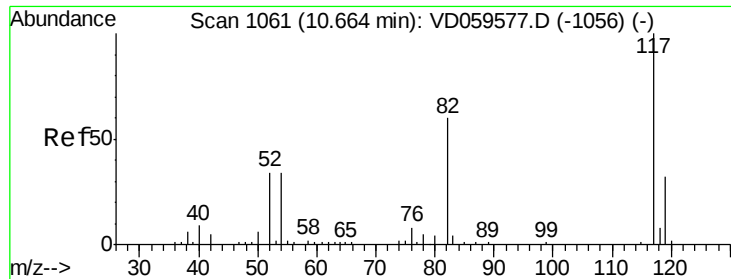


Abundance Ion 95.00 (94.70 to 95.70): VD059577.D (-1184) (-)
Ion 173.90 (173.60 to 174.60): VD059577.D (-1184) (-)
Ion 175.90 (175.60 to 176.60): VD059577.D (-1184) (-)



Time-->

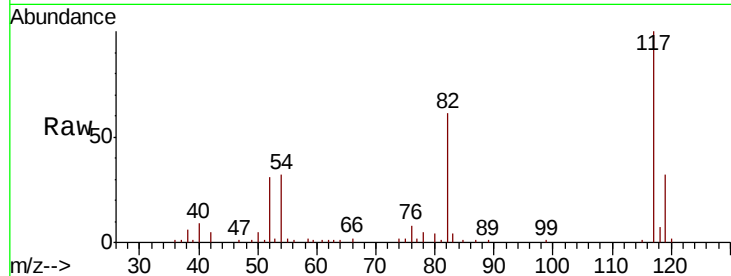




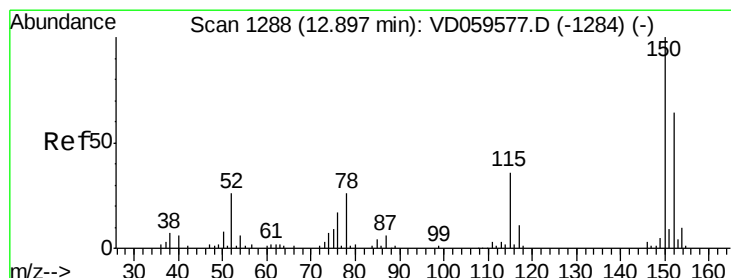
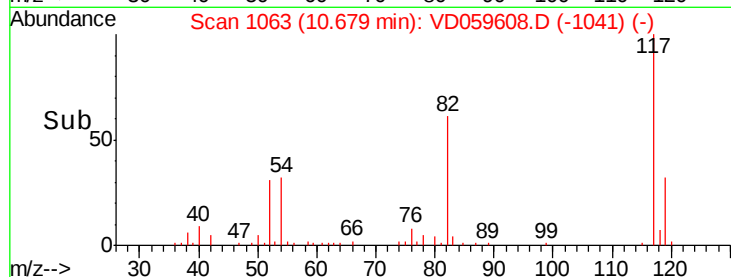
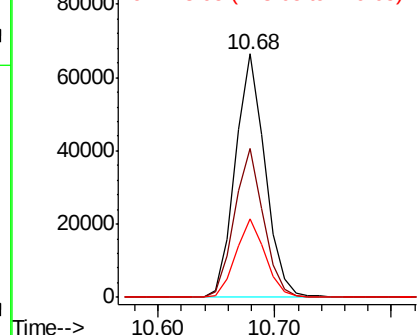
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1063
Delta R.T. 0.01 min
Lab File: VD059608.D
Acq: 26 Jul 2018 16:42

Instrument :
MSVOA_D
ClientSampleId :
KY030LC058-S-180720

Tgt Ion:117 Resp: 117502
Ion Ratio Lower Upper
117 100
82 61.3 48.2 72.2
119 32.2 25.4 38.2

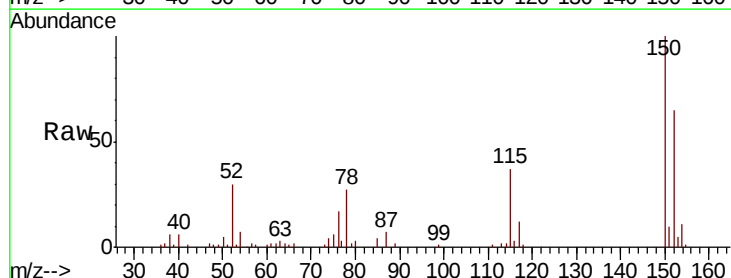


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

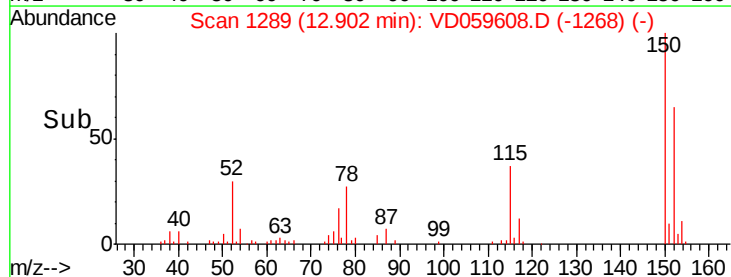
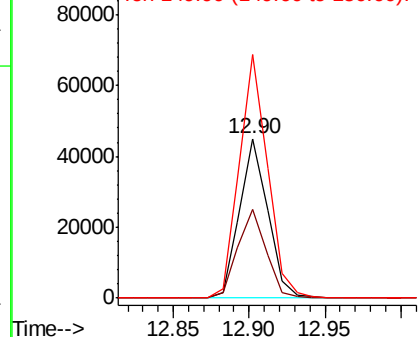


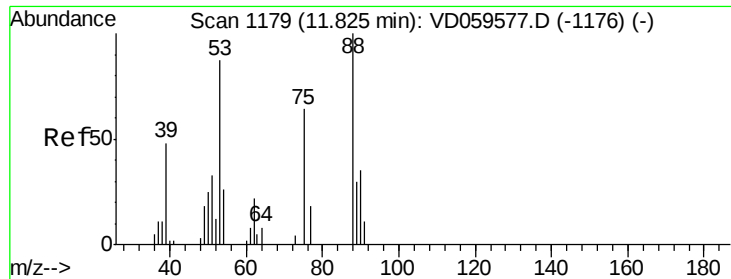
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VD059608.D
Acq: 26 Jul 2018 16:42

Tgt Ion:152 Resp: 58215
Ion Ratio Lower Upper
152 100
115 56.0 29.5 88.6
150 152.9 0.0 314.4



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: 128.962 ug/l

RT: 11.92 min Scan# 1189

Delta R.T. 0.09 min

Lab File: VD059608.D

Acq: 26 Jul 2018 16:42

Instrument :

MSVOA_D

ClientSampleId :

KY030LC058-S-180720

Tgt Ion: 75 Resp: 31742

Ion Ratio Lower Upper

75 100

53 0.0 107.7 161.5#

89 0.0 37.3 55.9#

