

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060818\
 Data File : VD058052.D
 Acq On : 9 Jun 2018 9:12
 Operator : VA/AP
 Sample : J3247-01RE
 Misc : 5.96g/5ml/MSVOA D/SOIL
 ALS Vial : 71 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 11 04:07:16 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	548372	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	6.68	114	718072	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.68	117	438428	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	153141	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	334004	60.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	121.84%	
35) Dibromofluoromethane	5.54	113	338317	60.89	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	121.78%	
50) Toluene-d8	8.70	98	469962	35.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	71.16%	
62) 4-Bromofluorobenzene	11.93	95	219994	38.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	76.36%	

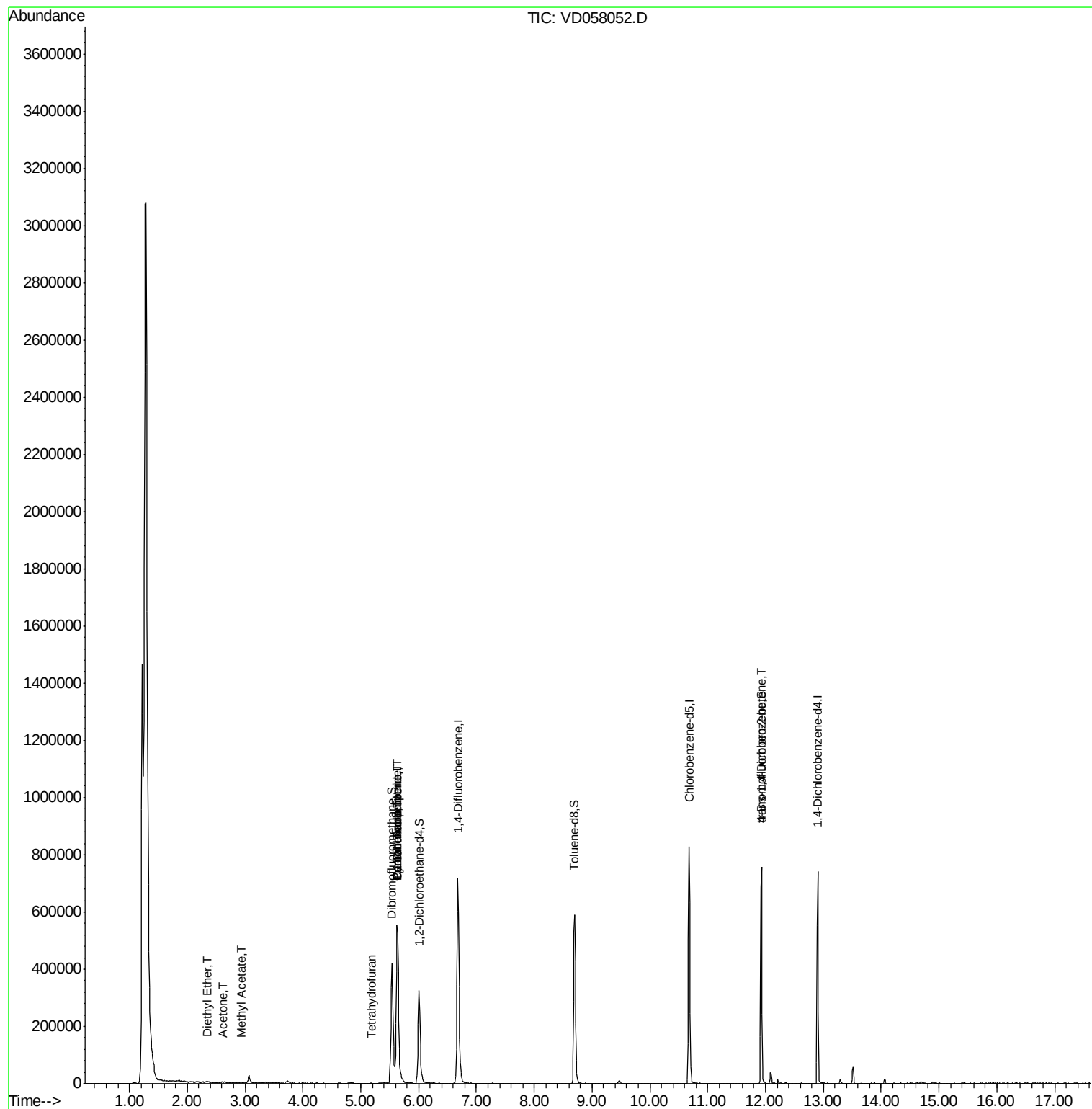
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.35	74	1866	2.094	ug/l	78
16) Acetone	2.62	43	2391	3.027	ug/l #	74
18) Methyl Acetate	2.92	43	2392	1.565	ug/l #	66
20) Methylene Chloride	3.07	84	11384	Below Cal		92
29) Tetrahydrofuran	5.18	42	1411	1.500	ug/l #	53
31) Cyclohexane	5.63	56	11716	1.229	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	46898	5.928	ug/l #	51
38) Carbon Tetrachloride	5.64	117	44553	5.714	ug/l #	16
81) trans-1,4-Dichloro-2-buten	11.92	75	107449	188.582	ug/l #	6
82) 4-Chlorotoluene	12.32	91	201	Below Cal	#	50

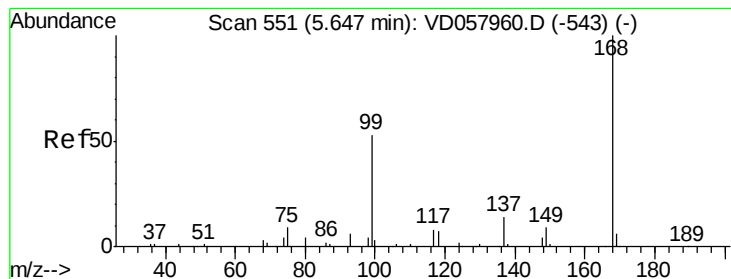
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD060818\
Data File : VD058052.D
Acq On : 9 Jun 2018 9:12
Operator : VA/AP
Sample : J3247-01RE
Misc : 5.96g/5ml/MSVOA D/SOIL
ALS Vial : 71 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Jun 11 04:07:16 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: VD058052.D

Acq: 9 Jun 2018 9:12

Instrument :

MSVOA_D

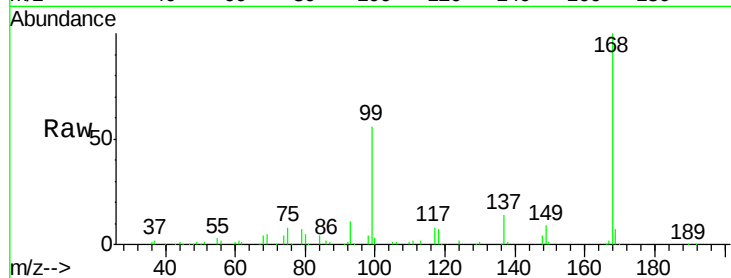
ClientSampleId :

Tot Ion:168 Resp: 548372

Ion Ratio Lower Upper

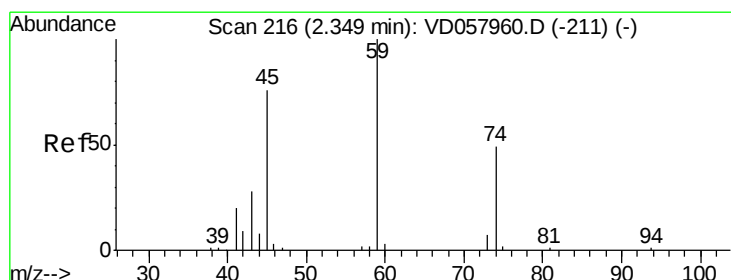
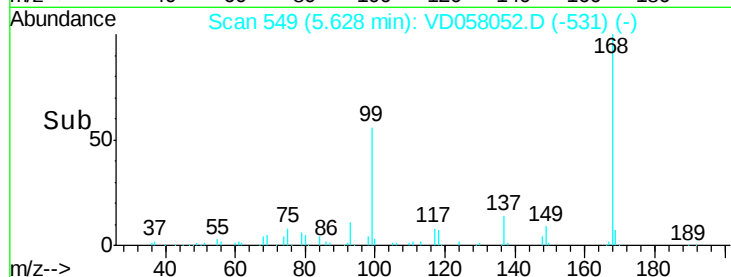
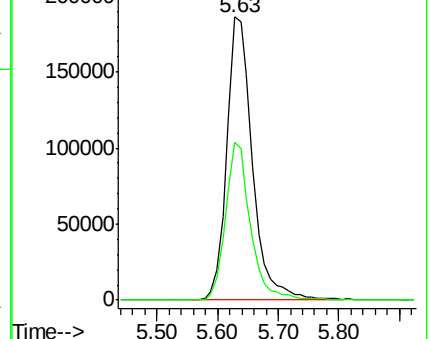
168 100

99 55.7 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#8

Diethyl Ether

Concen: 2.094 ug/l

RT: 2.35 min Scan# 216

Delta R.T. 0.00 min

Lab File: VD058052.D

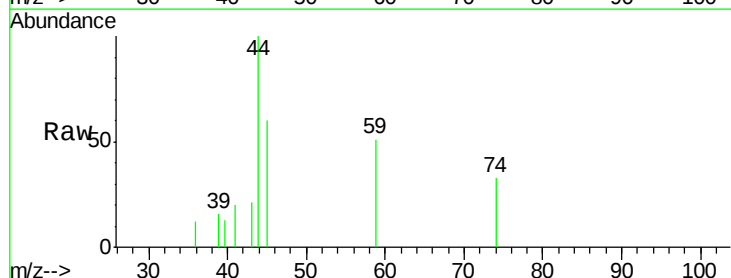
Acq: 9 Jun 2018 9:12

Tgt Ion: 74 Resp: 1866

Ion Ratio Lower Upper

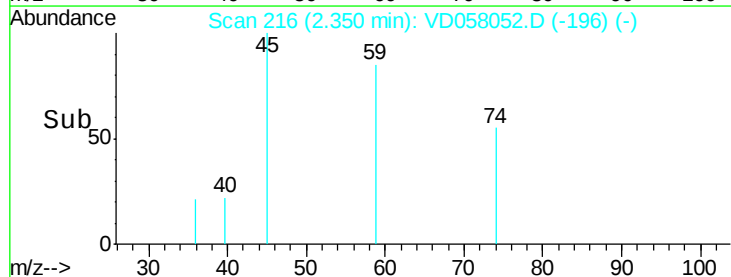
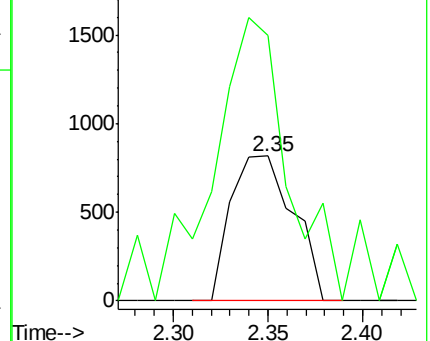
74 100

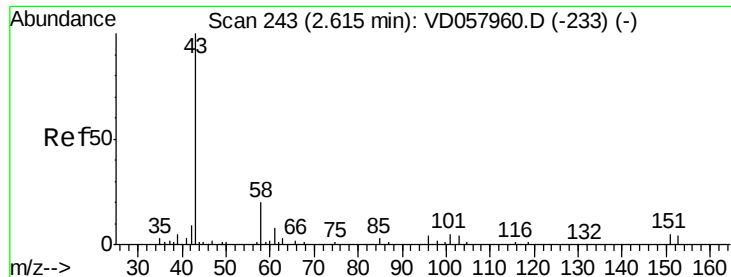
45 183.1 77.1 231.3



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#16

Acetone

Concen: 3.027 ug/l

RT: 2.62 min Scan# 243

Delta R.T. 0.00 min

Lab File: VD058052.D

Acq: 9 Jun 2018 9:12

Instrument :

MSVOA_D

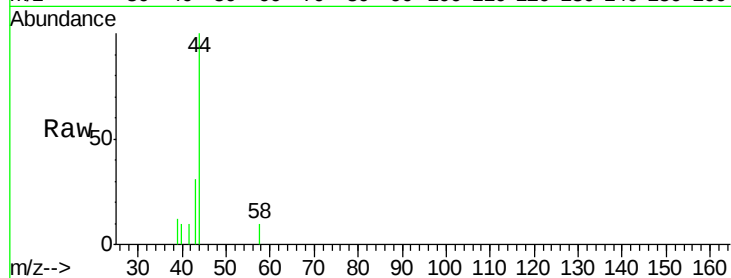
ClientSampled :

Tot Ion: 43 Resp: 2391

Ion Ratio Lower Upper

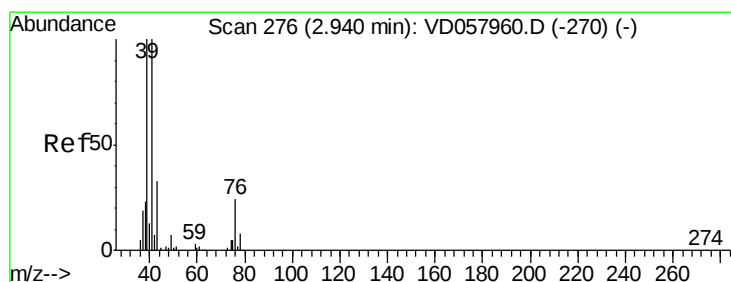
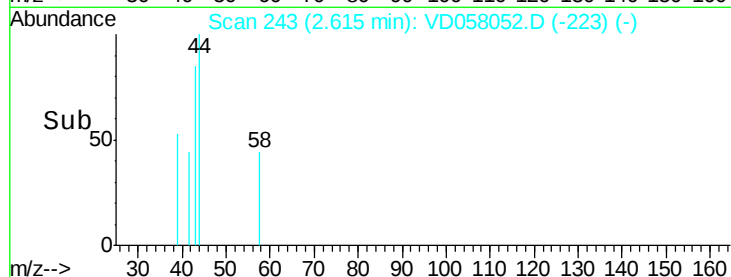
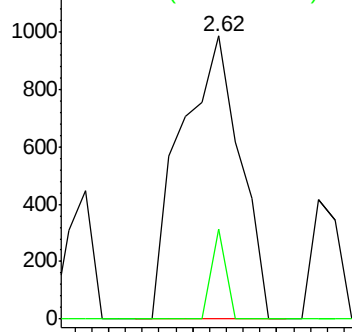
43 100

58 31.7 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: 1.565 ug/l

RT: 2.92 min Scan# 274

Delta R.T. -0.02 min

Lab File: VD058052.D

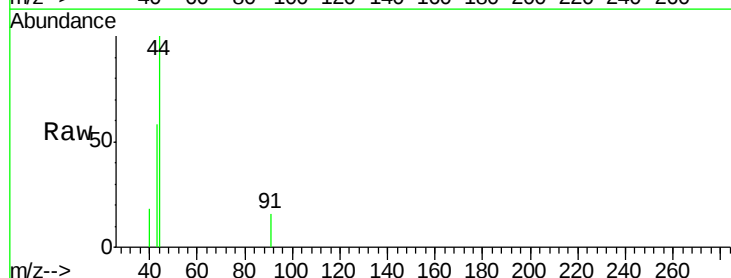
Acq: 9 Jun 2018 9:12

Tgt Ion: 43 Resp: 2392

Ion Ratio Lower Upper

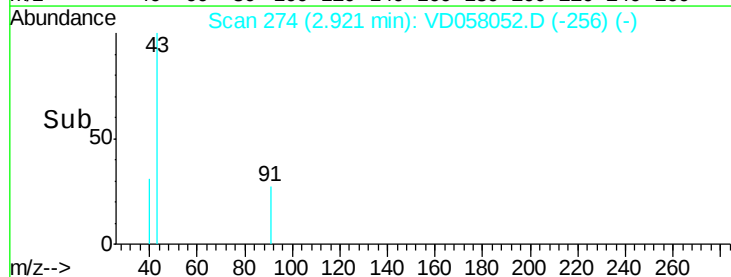
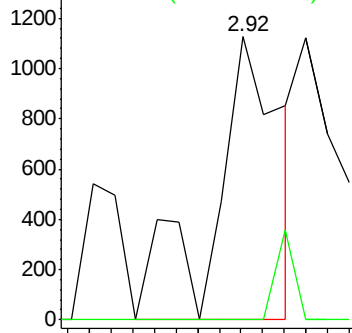
43 100

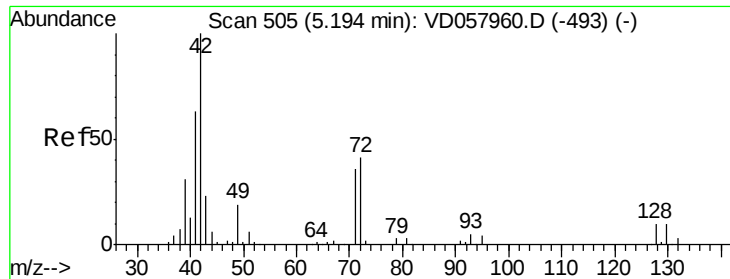
74 0.0 11.2 16.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC





#29

Tetrahydrofuran

Concen: 1.500 ug/l

RT: 5.18 min Scan# 504

Delta R.T. -0.01 min

Lab File: VD058052.D

Acq: 9 Jun 2018 9:12

Instrument :

MSVOA_D

ClientSampled :

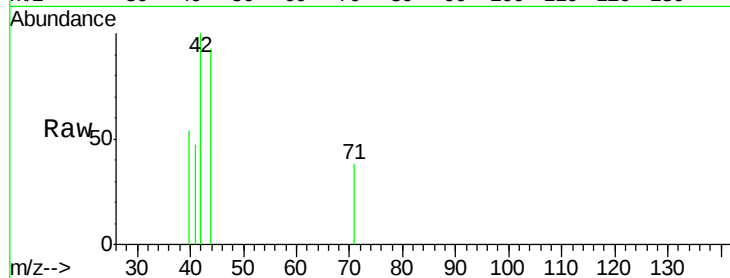
Tot Ion: 42 Resp: 1411

Ion Ratio Lower Upper

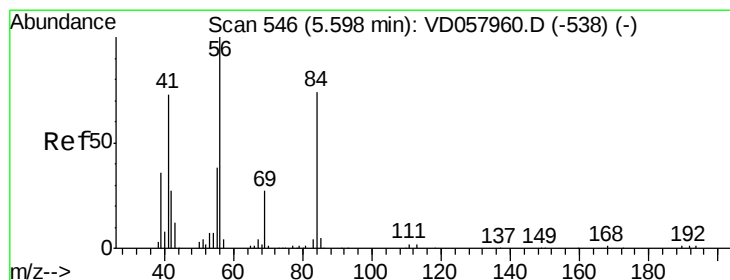
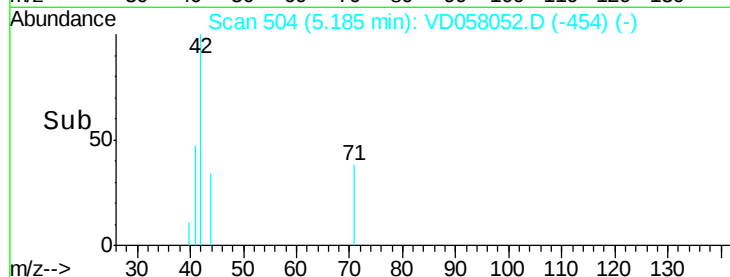
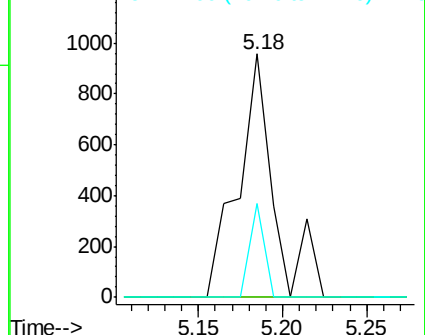
42 100

72 0.0 28.5 42.7#

71 15.4 27.9 41.9#



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#31

Cyclohexane

Concen: 1.229 ug/l

RT: 5.63 min Scan# 549

Delta R.T. 0.03 min

Lab File: VD058052.D

Acq: 9 Jun 2018 9:12

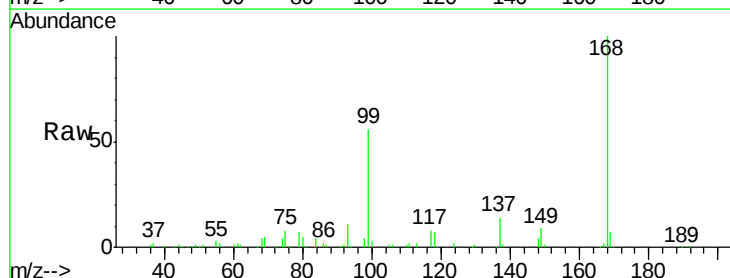
Tgt Ion: 56 Resp: 11716

Ion Ratio Lower Upper

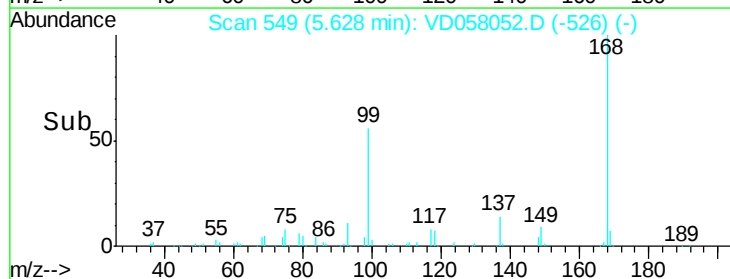
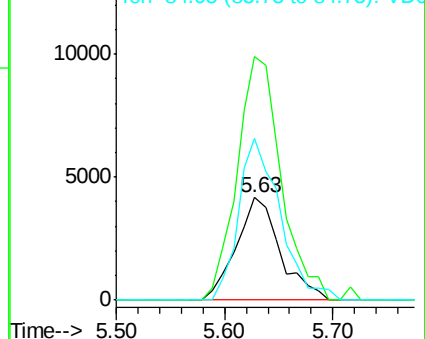
56 100

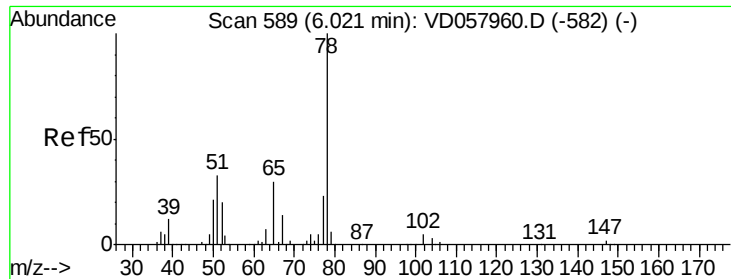
69 238.2 21.5 32.3#

84 158.5 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: VD058052.D

Acq: 9 Jun 2018 9:12

Instrument :

MSVOA_D

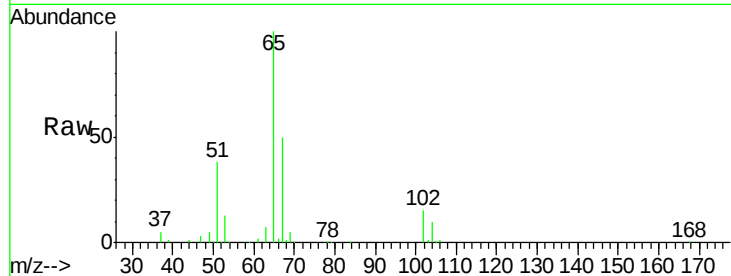
ClientSampleId :

Tot Ion: 65 Resp: 334004

Ion Ratio Lower Upper

65 100

67 50.0 0.0 94.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.01

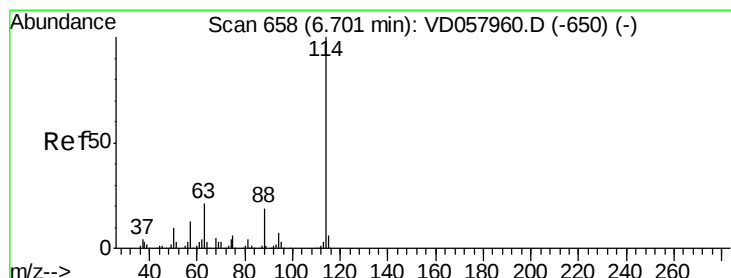
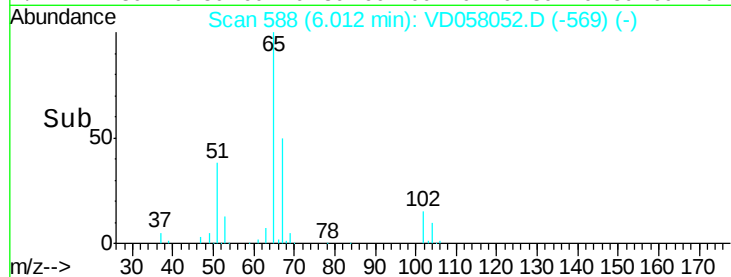
100000

50000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.68 min Scan# 656

Delta R.T. -0.02 min

Lab File: VD058052.D

Acq: 9 Jun 2018 9:12

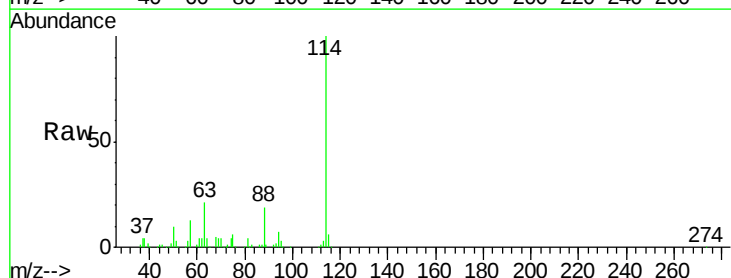
Tgt Ion: 114 Resp: 718072

Ion Ratio Lower Upper

114 100

63 21.1 0.0 42.8

88 19.4 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

6.68

300000

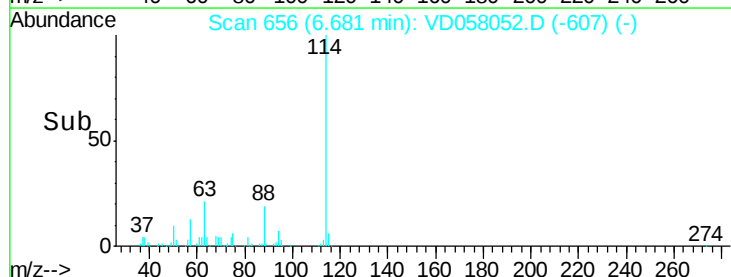
200000

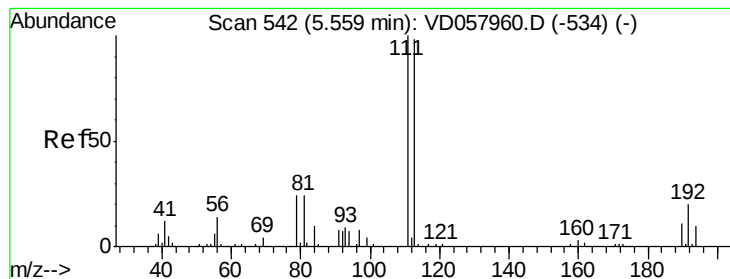
100000

0

Time-->

6.60 6.70 6.80





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.54 min Scan# 540

Delta R.T. -0.02 min

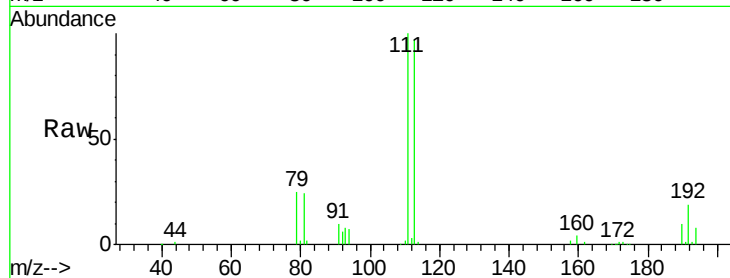
Lab File: VD058052.D

Acq: 9 Jun 2018 9:12

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:113 Resp: 338317

Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.5	122.3
192	19.2	16.4	24.6



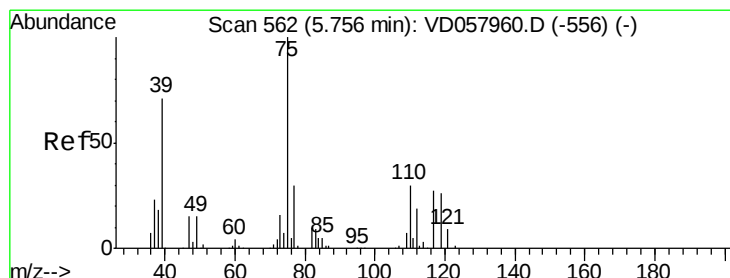
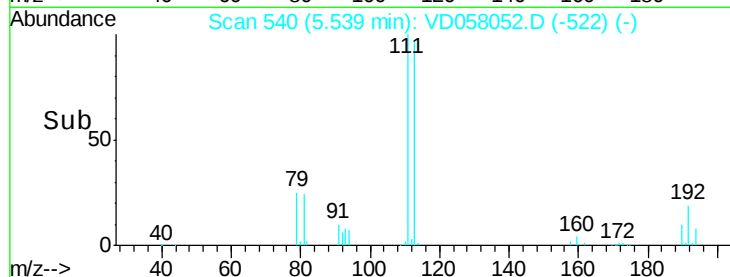
Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

5.54

Time-->



#36

1,1-Dichloropropene

Concen: 5.928 ug/l

RT: 5.63 min Scan# 549

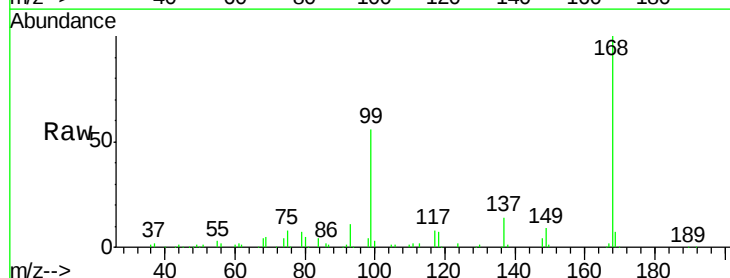
Delta R.T. -0.13 min

Lab File: VD058052.D

Acq: 9 Jun 2018 9:12

Tgt Ion: 75 Resp: 46898

Ion	Ratio	Lower	Upper
75	100		
110	6.2	14.8	44.3#
77	0.0	23.9	35.9#



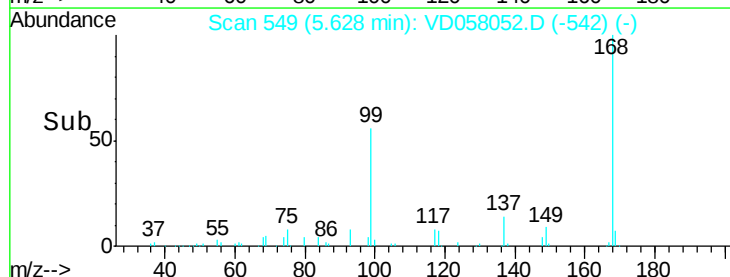
Abundance Ion 75.00 (74.70 to 75.70): VDC

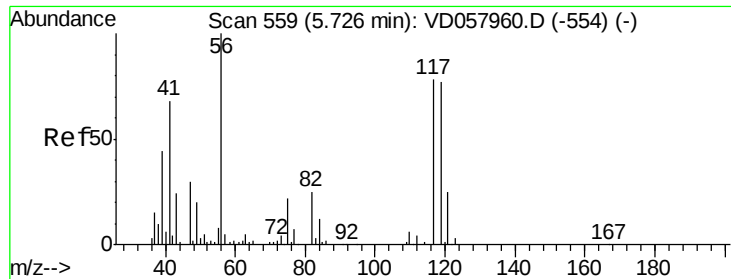
Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

5.63

Time-->





#38

Carbon Tetrachloride

Concen: 5.714 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.09 min

Lab File: VD058052.D

Acq: 9 Jun 2018 9:12

Instrument :

MSVOA_D

ClientSampleId :

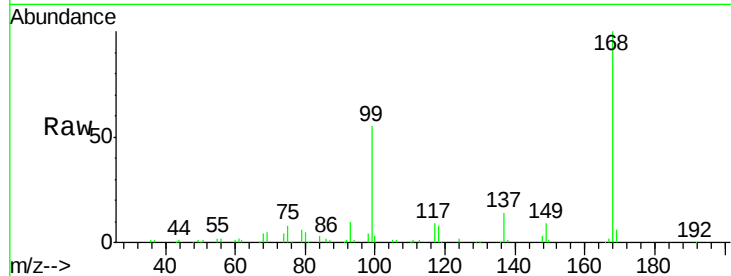
Tot Ion:117 Resp: 44553

Ion Ratio Lower Upper

117 100

119 5.1 76.1 114.1#

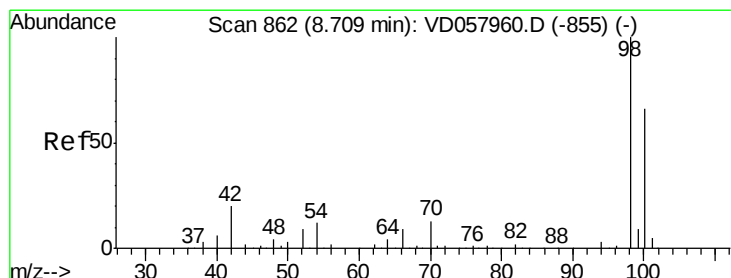
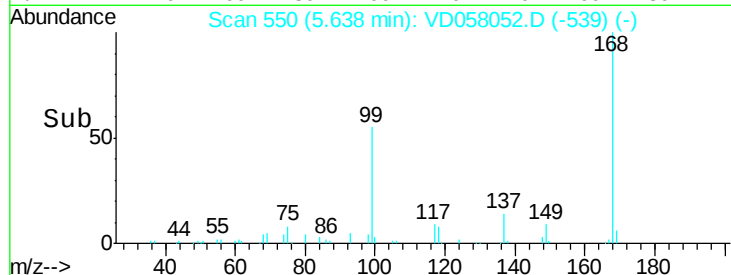
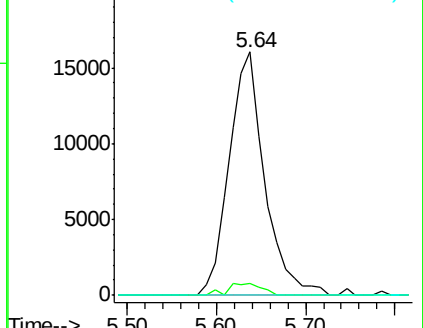
121 0.0 24.9 37.3#



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: VD058052.D

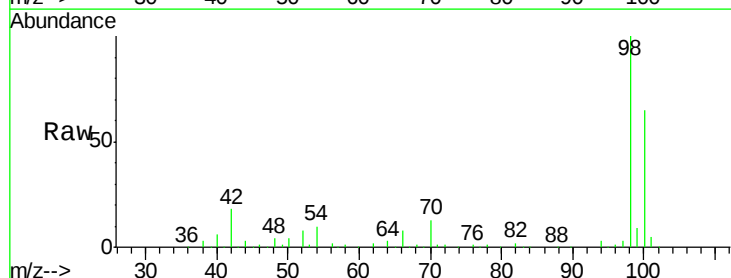
Acq: 9 Jun 2018 9:12

Tgt Ion: 98 Resp: 469962

Ion Ratio Lower Upper

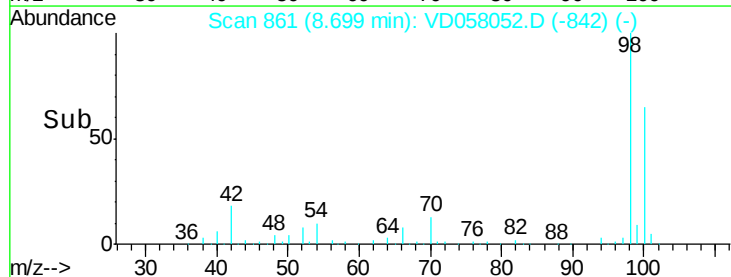
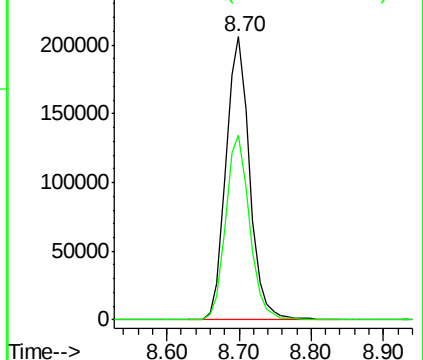
98 100

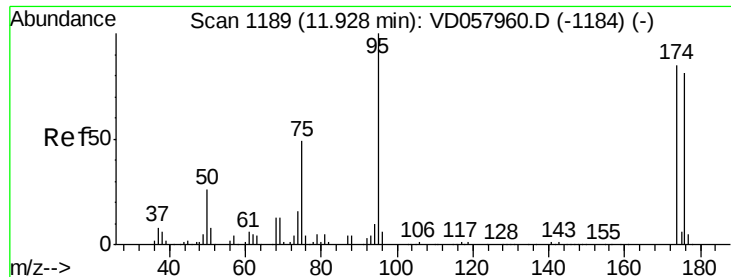
100 65.4 53.4 80.0



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VD058052.D

Acq: 9 Jun 2018 9:12

Instrument :

MSVOA_D

ClientSampleId :

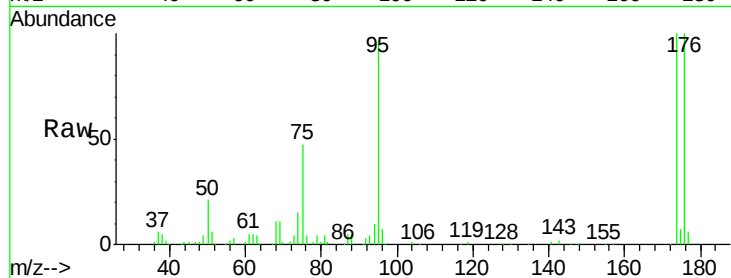
Tot Ion: 95 Resp: 219994

Ion Ratio Lower Upper

95 100

174 103.3 0.0 169.4

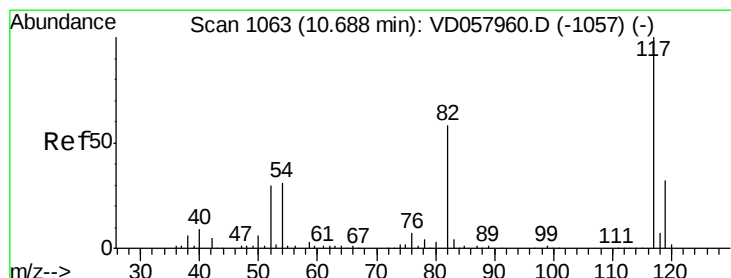
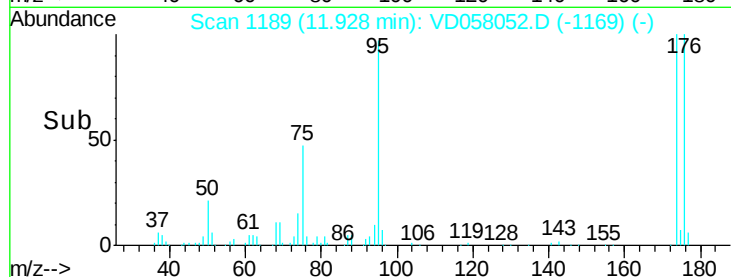
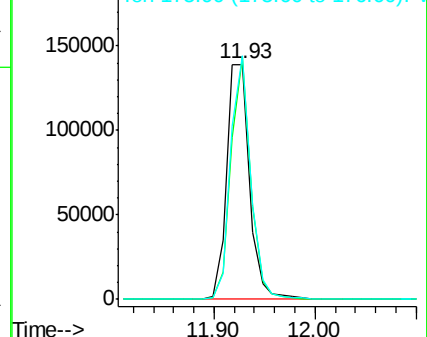
176 103.5 0.0 162.6



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.68 min Scan# 1062

Delta R.T. -0.01 min

Lab File: VD058052.D

Acq: 9 Jun 2018 9:12

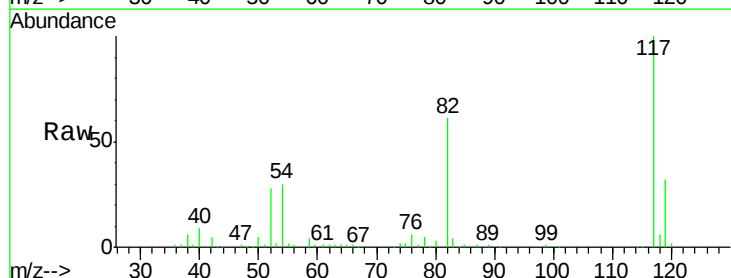
Tgt Ion: 117 Resp: 438428

Ion Ratio Lower Upper

117 100

82 60.8 46.8 70.2

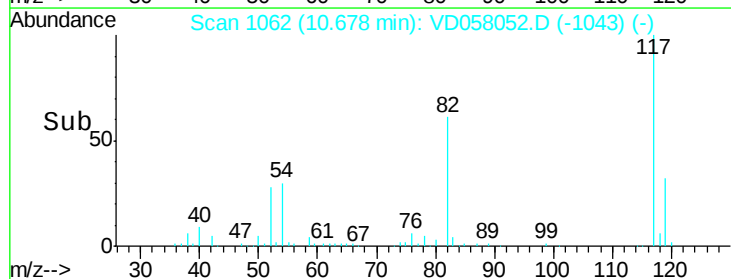
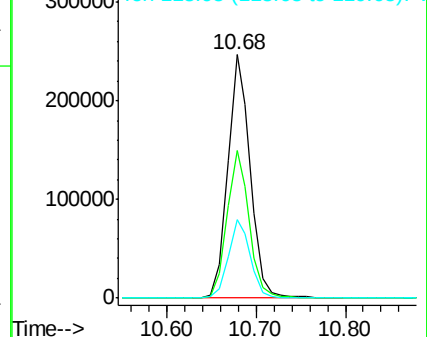
119 32.5 25.8 38.6

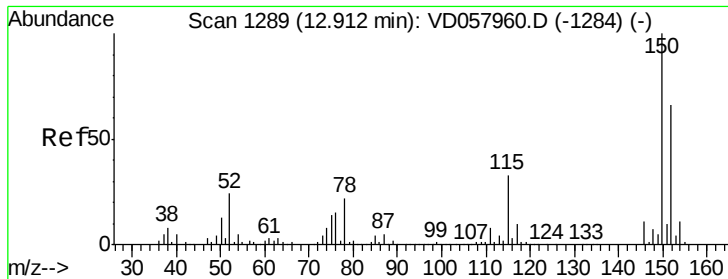


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



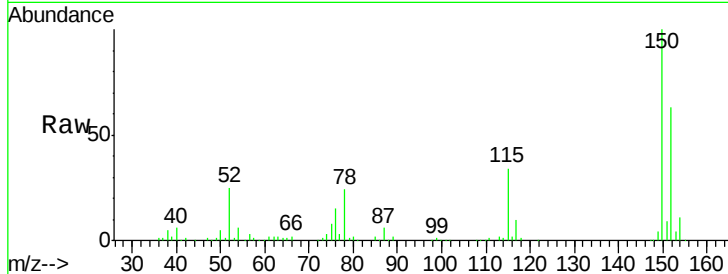


#72

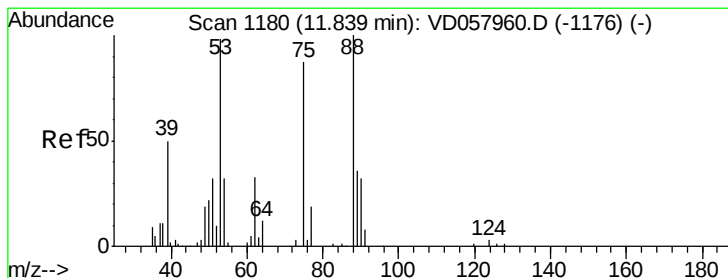
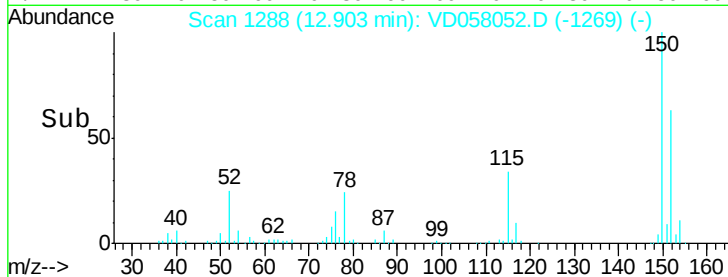
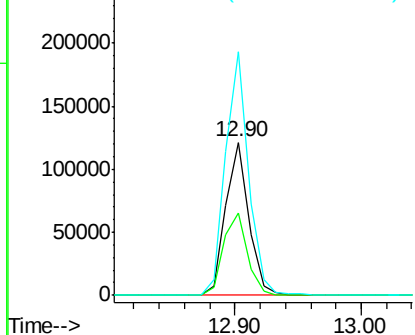
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VD058052.D
Acq: 9 Jun 2018 9:12

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:152 Resp: 153141
Ion Ratio Lower Upper
152 100
115 53.8 25.6 76.6
150 158.9 0.0 306.8



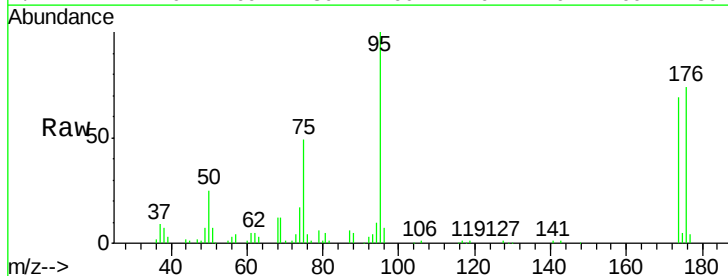
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



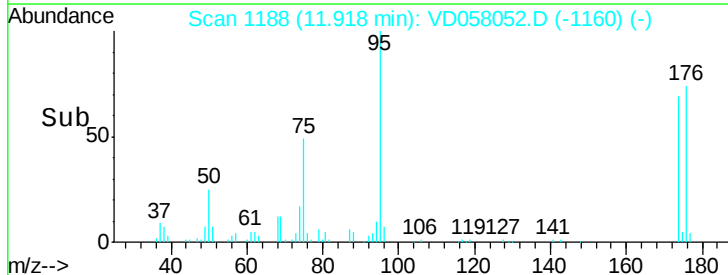
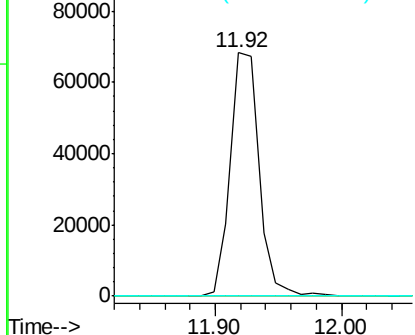
#81

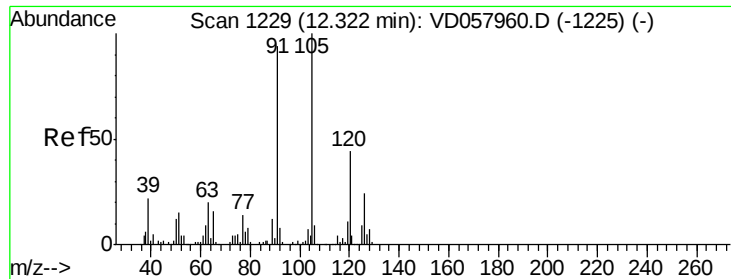
trans-1,4-Dichloro-2-butene
Concen: 188.582 ug/l
RT: 11.92 min Scan# 1188
Delta R.T. 0.08 min
Lab File: VD058052.D
Acq: 9 Jun 2018 9:12

Tgt Ion: 75 Resp: 107449
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: VD058052.D
 Acq: 9 Jun 2018 9:12

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 91 Resp: 201
 Ion Ratio Lower Upper
 91 100
 126 0.0 12.5 37.5#

