

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061818\
 Data File : VD058182.D
 Acq On : 18 Jun 2018 15:42
 Operator : VA/AP
 Sample : J3518-04RE
 Misc : 5.80g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 19 05:49:34 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	790324	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.69	114	999545	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.68	117	822296	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	414151	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	377997	47.84	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	95.68%	
35) Dibromofluoromethane	5.53	113	388772	50.27	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	100.54%	
50) Toluene-d8	8.70	98	908983	49.44	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.88%	
62) 4-Bromofluorobenzene	11.93	95	384542	47.94	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.88%	

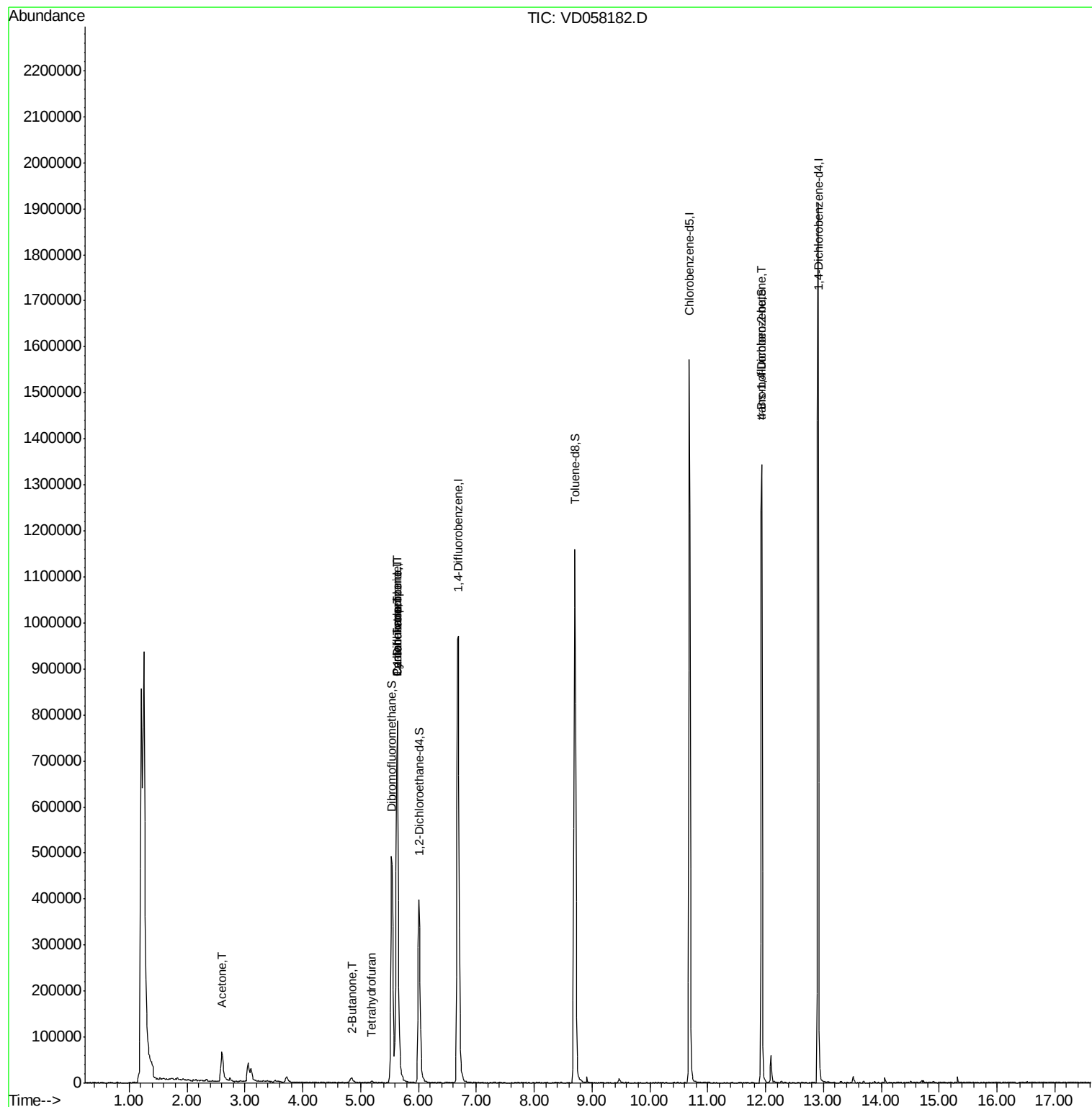
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.60	43	136127	119.582	ug/l	98
20) Methylene Chloride	3.05	84	18512	Below Cal	#	81
25) 2-Butanone	4.84	43	2760	1.067	ug/l #	64
29) Tetrahydrofuran	5.20	42	2451	1.807	ug/l #	56
31) Cyclohexane	5.63	56	17756	1.292	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	61776	5.610	ug/l #	52
38) Carbon Tetrachloride	5.63	117	64450	5.938	ug/l #	17
81) trans-1,4-Dichloro-2-buten	11.92	75	188463	122.308	ug/l #	6
82) 4-Chlorotoluene	12.34	91	738	Below Cal	#	50
89) n-Butylbenzene	13.19	91	570	Below Cal	#	75

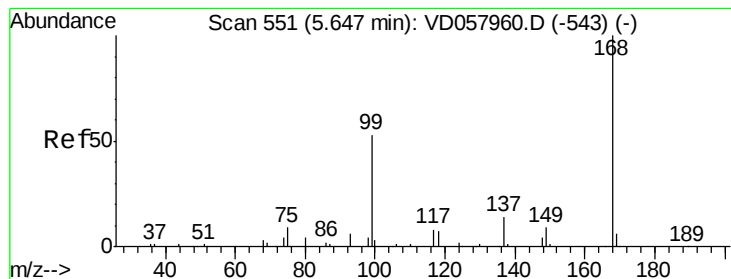
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD061818\
Data File : VD058182.D
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Operator : VA/AP
Sample : J3518-04RE
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ClientSampleId :

Quant Time: Jun 19 05:49:34 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. -0.01 min

Lab File: VD058182.D

Acq: 18 Jun 2018 15:42

Instrument :

MSVOA_D

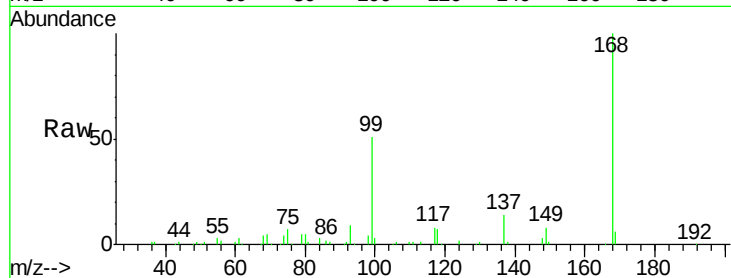
ClientSampleId :

Tot Ion:168 Resp: 790324

Ion Ratio Lower Upper

168 100

99 50.9 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.63

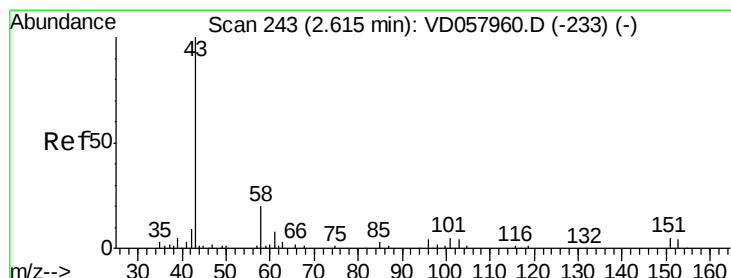
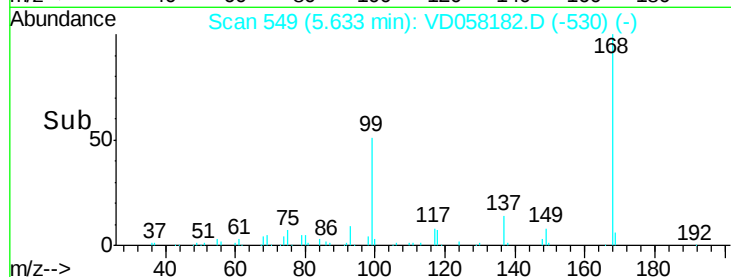
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 119.582 ug/l

RT: 2.60 min Scan# 241

Delta R.T. -0.01 min

Lab File: VD058182.D

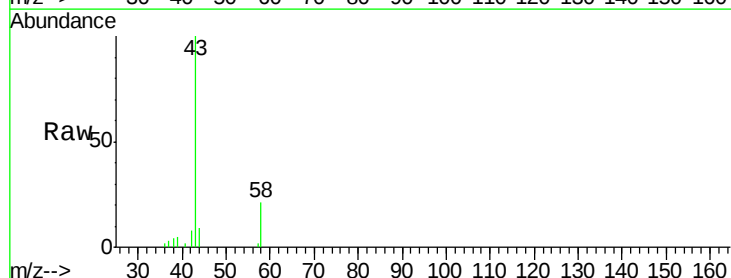
Acq: 18 Jun 2018 15:42

Tgt Ion: 43 Resp: 136127

Ion Ratio Lower Upper

43 100

58 20.6 15.8 23.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

2.60

50000

40000

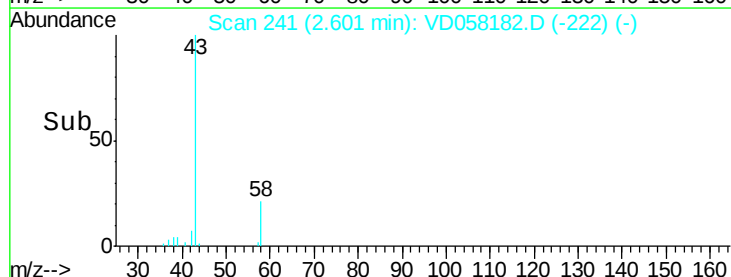
30000

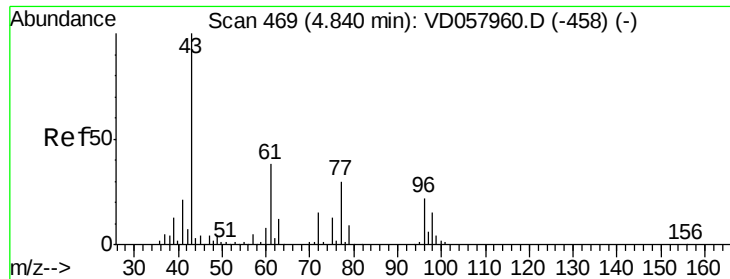
20000

10000

0

Time-->





#25

2-Butanone

Concen: 1.067 ug/l

RT: 4.84 min Scan# 468

Delta R.T. -0.00 min

Lab File: VD058182.D

Acq: 18 Jun 2018 15:42

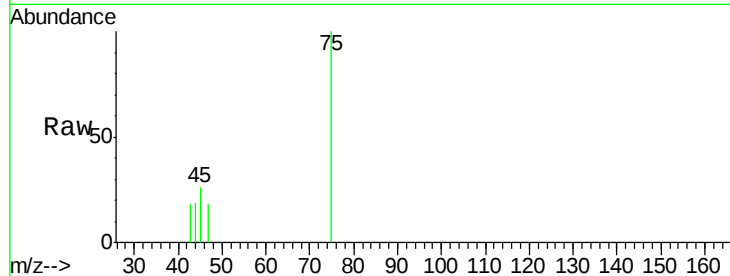
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 2760

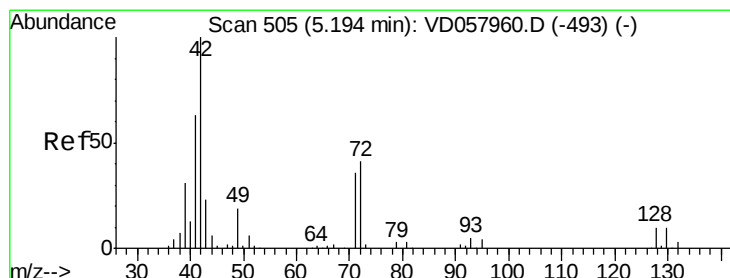
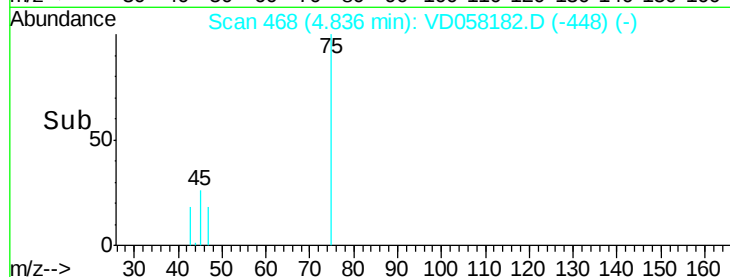
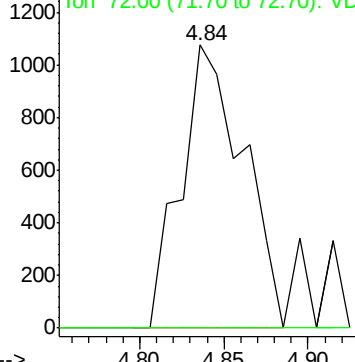
Ion Ratio Lower Upper

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



#29

Tetrahydrofuran

Concen: 1.807 ug/l

RT: 5.20 min Scan# 505

Delta R.T. 0.01 min

Lab File: VD058182.D

Acq: 18 Jun 2018 15:42

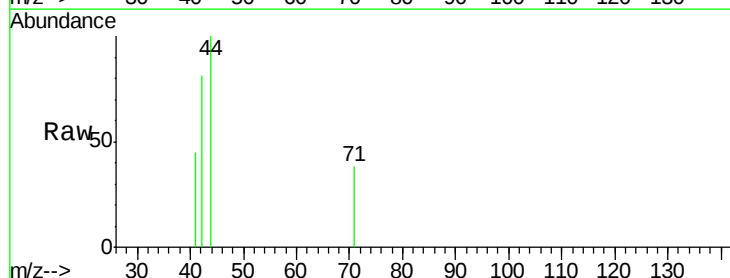
Tgt Ion: 42 Resp: 2451

Ion Ratio Lower Upper

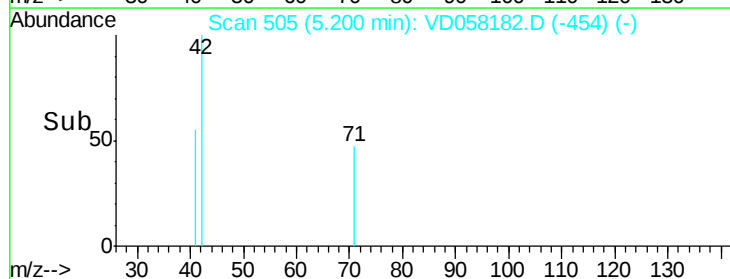
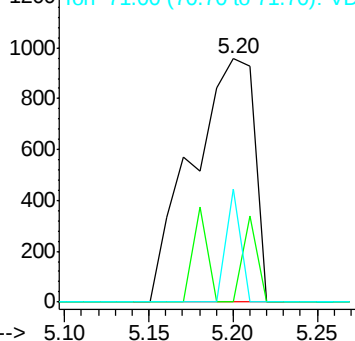
42 100

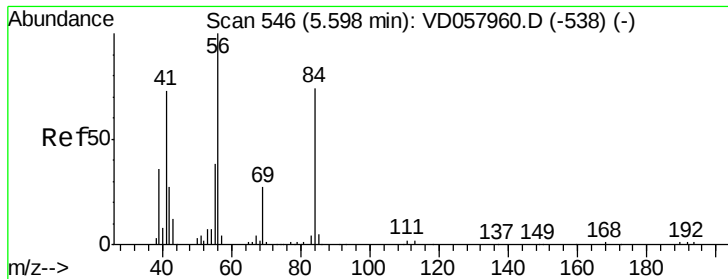
72 8.2 28.5 42.7#

71 10.7 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

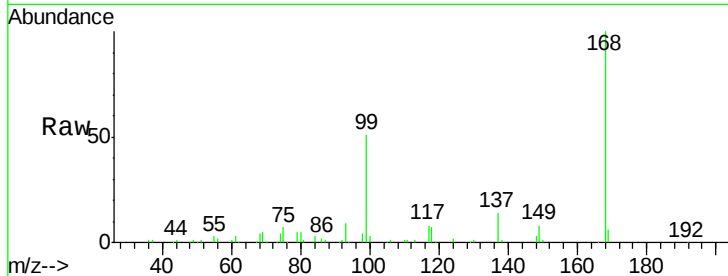




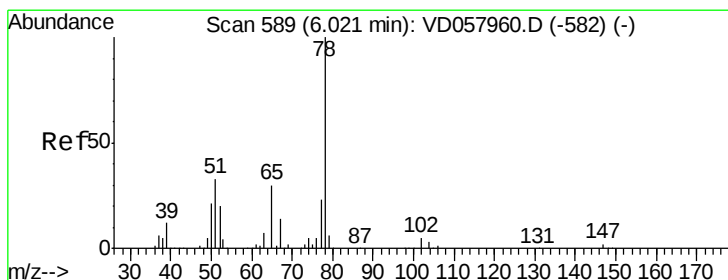
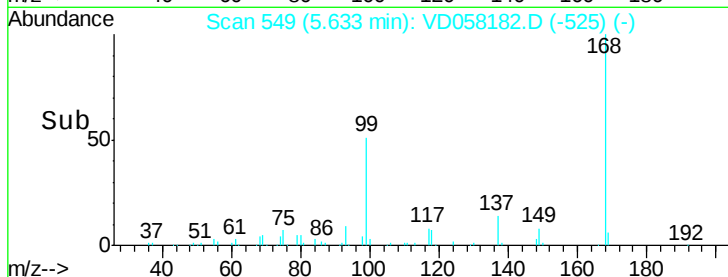
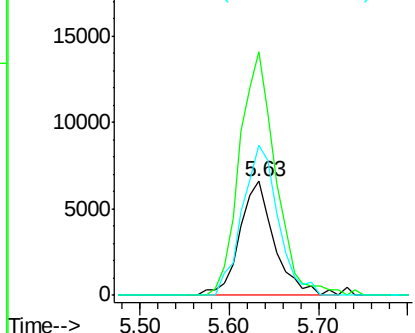
#31
Cyclohexane
Concen: 1.292 ug/l
RT: 5.63 min Scan# 549
Delta R.T. 0.04 min
Lab File: VD058182.D
Acq: 18 Jun 2018 15:42

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 17756
Ion Ratio Lower Upper
56 100
69 213.6 21.5 32.3#
84 132.1 61.0 91.6#

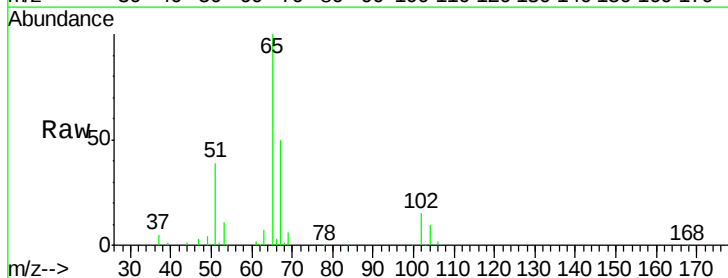


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

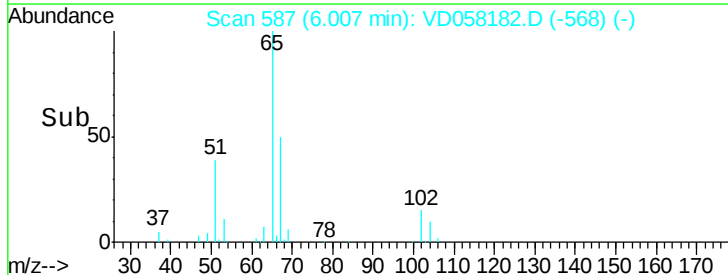
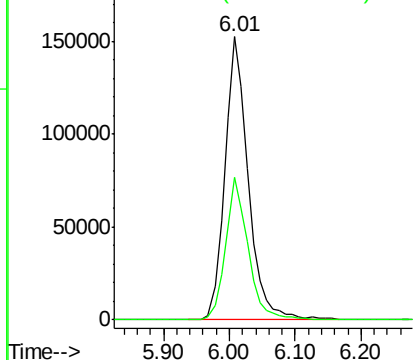


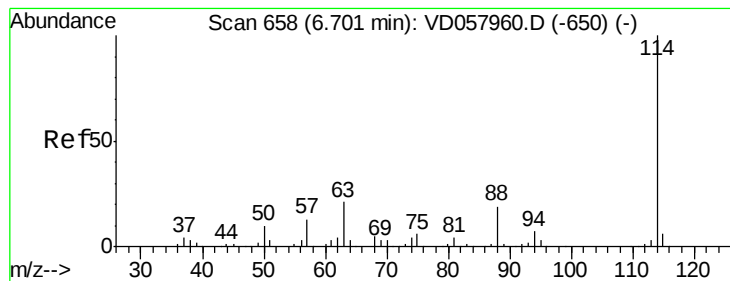
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.01 min Scan# 587
Delta R.T. -0.01 min
Lab File: VD058182.D
Acq: 18 Jun 2018 15:42

Tgt Ion: 65 Resp: 377997
Ion Ratio Lower Upper
65 100
67 50.2 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: VD058182.D

Acq: 18 Jun 2018 15:42

Instrument :

MSVOA_D

ClientSampleId :

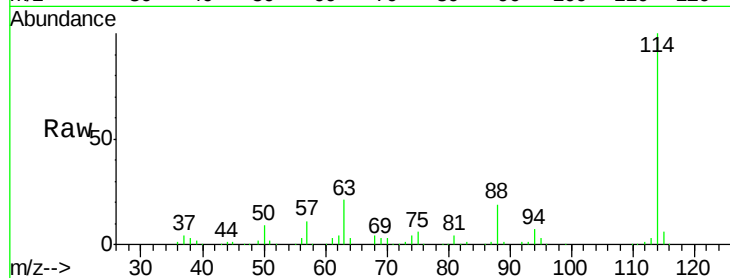
Tot Ion:114 Resp: 999545

Ion Ratio Lower Upper

114 100

63 21.2 0.0 42.8

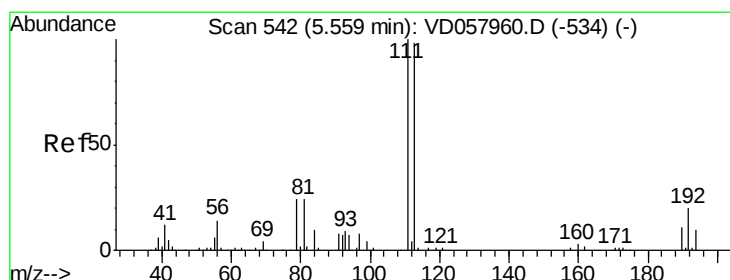
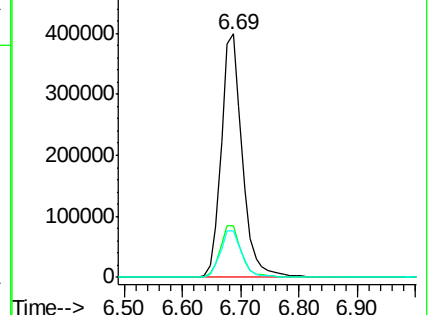
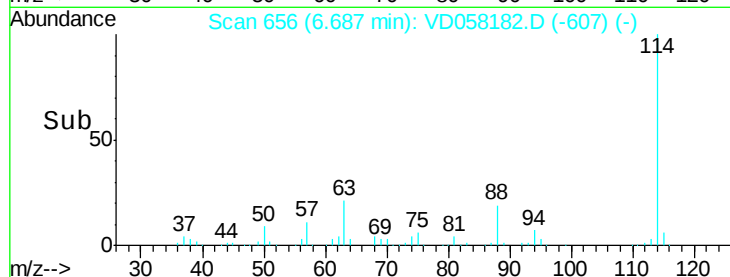
88 19.3 0.0 37.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.53 min Scan# 539

Delta R.T. -0.02 min

Lab File: VD058182.D

Acq: 18 Jun 2018 15:42

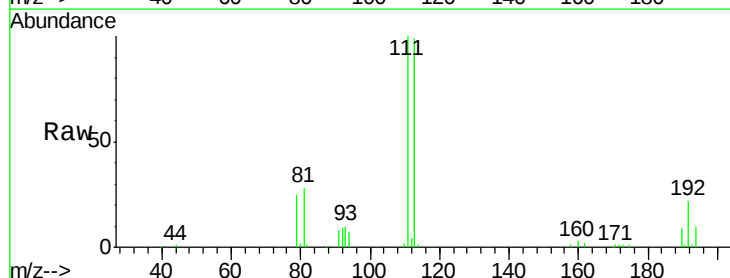
Tgt Ion:113 Resp: 388772

Ion Ratio Lower Upper

113 100

111 100.9 81.5 122.3

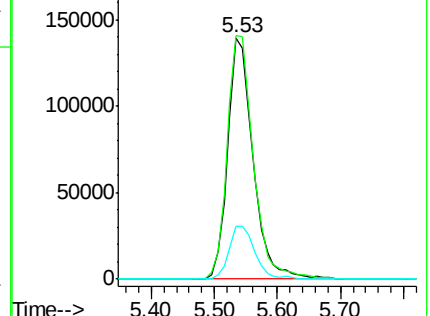
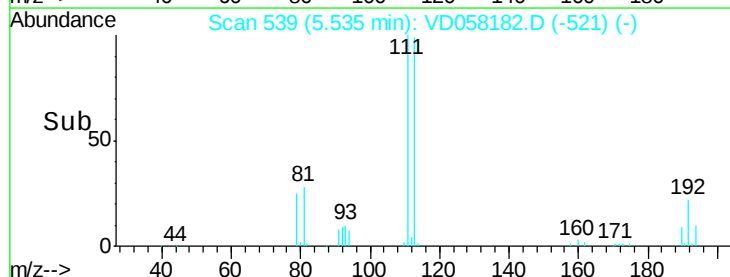
192 21.7 16.4 24.6

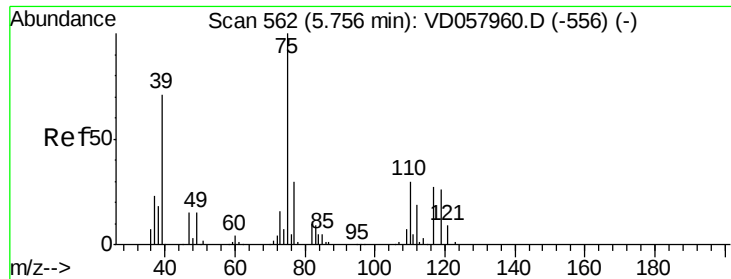


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 5.610 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.12 min

Lab File: VD058182.D

Acq: 18 Jun 2018 15:42

Instrument :
MSVOA_D
ClientSampleId :

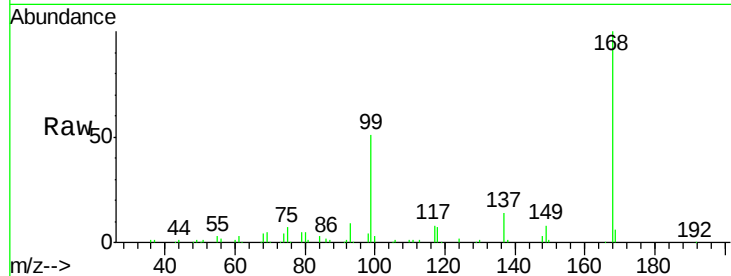
Tot Ion: 75 Resp: 61776

Ion Ratio Lower Upper

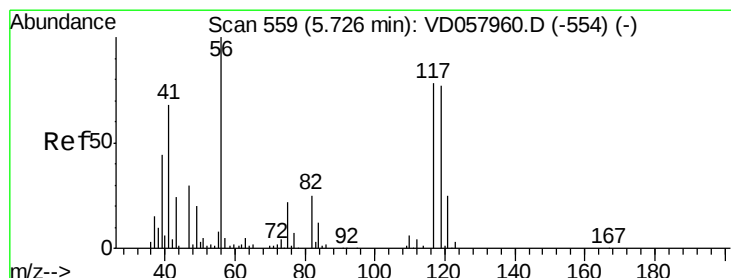
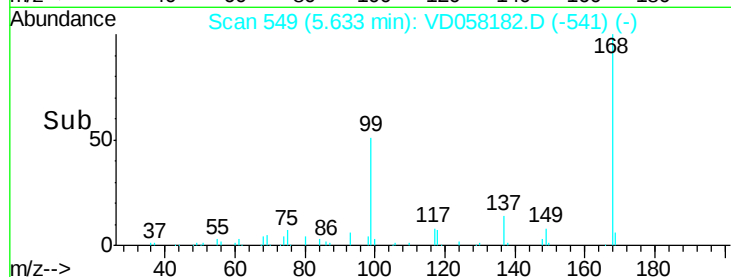
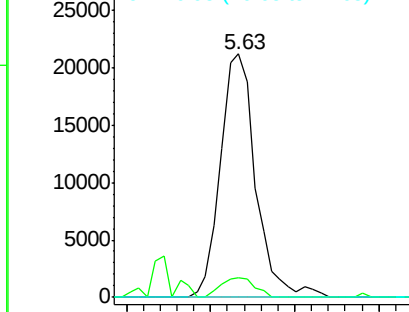
75 100

110 7.9 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: 5.938 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.09 min

Lab File: VD058182.D

Acq: 18 Jun 2018 15:42

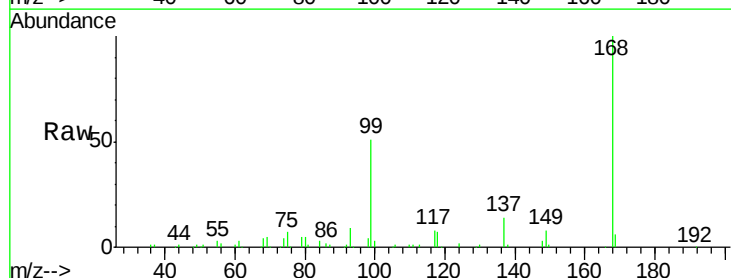
Tgt Ion: 117 Resp: 64450

Ion Ratio Lower Upper

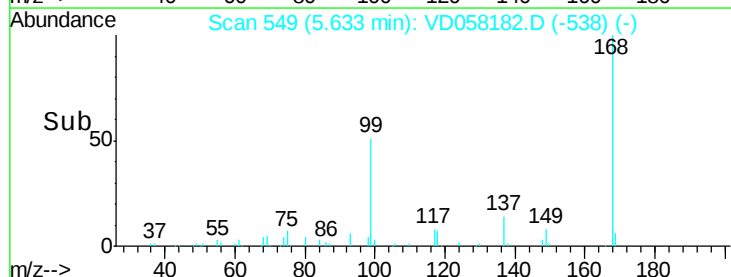
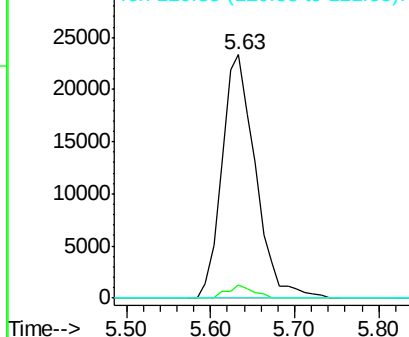
117 100

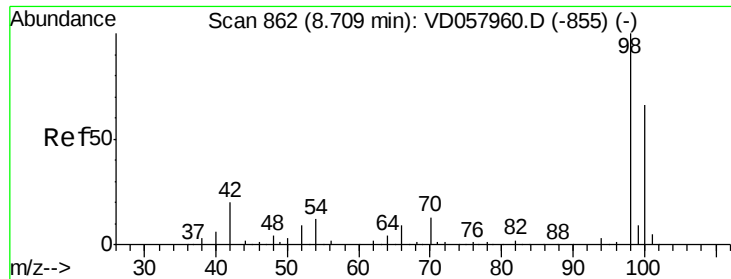
119 5.4 76.1 114.1#

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

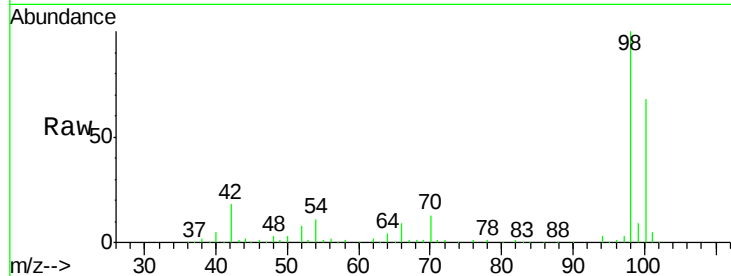




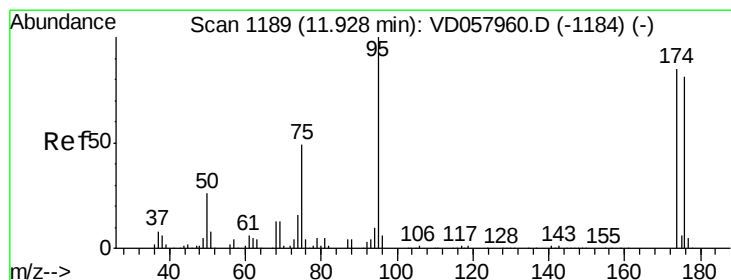
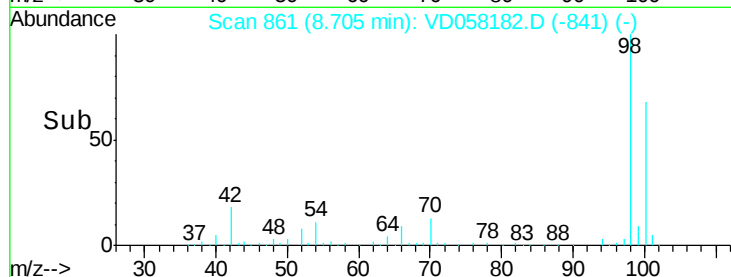
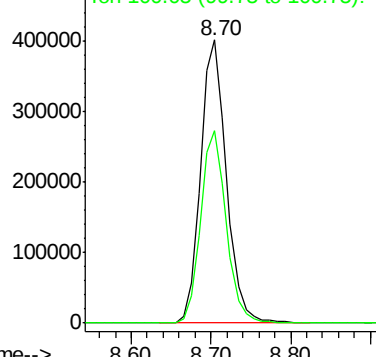
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.70 min Scan# 861
Delta R.T. -0.00 min
Lab File: VD058182.D
Acq: 18 Jun 2018 15:42

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 908983
Ion Ratio Lower Upper
98 100
100 68.0 53.4 80.0

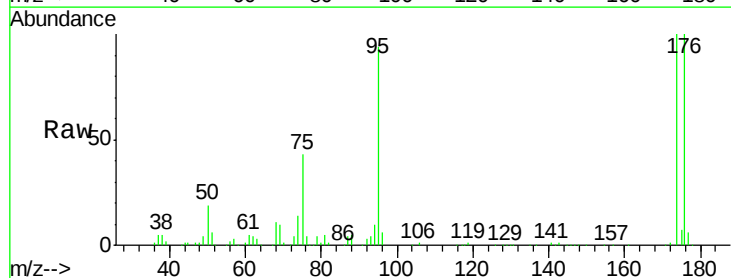


Abundance Ion 98.05 (97.75 to 98.75): VD0
Ion 100.05 (99.75 to 100.75): VD

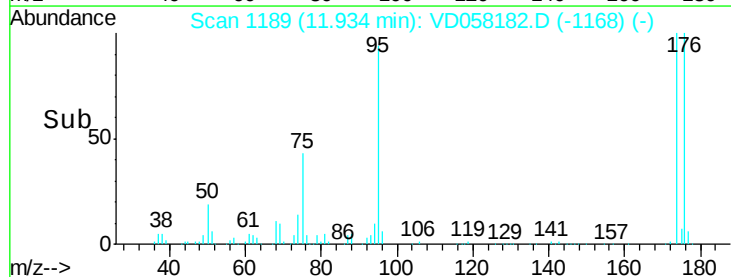
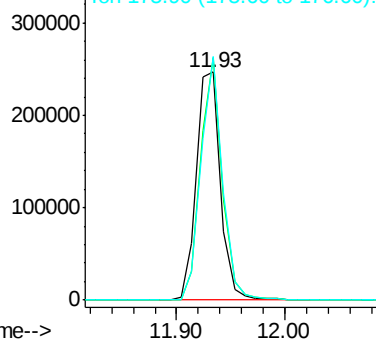


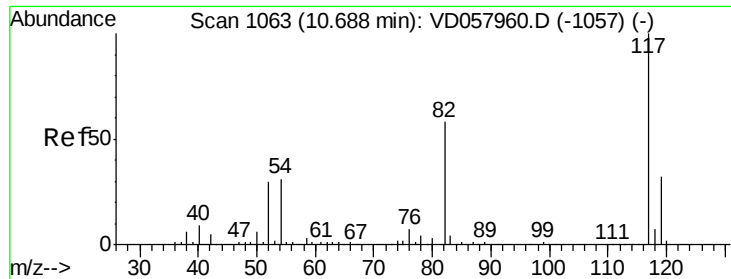
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.93 min Scan# 1189
Delta R.T. 0.01 min
Lab File: VD058182.D
Acq: 18 Jun 2018 15:42

Tgt Ion: 95 Resp: 384542
Ion Ratio Lower Upper
95 100
174 106.2 0.0 169.4
176 106.7 0.0 162.6



Abundance Ion 95.00 (94.70 to 95.70): VD0
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

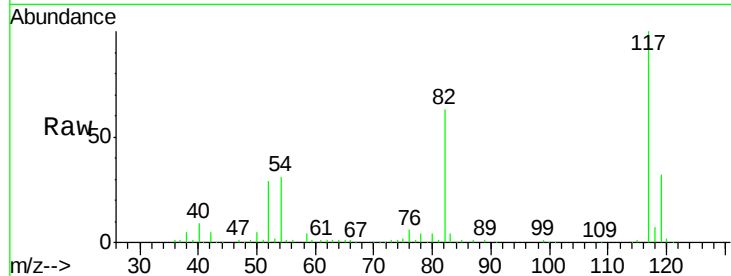




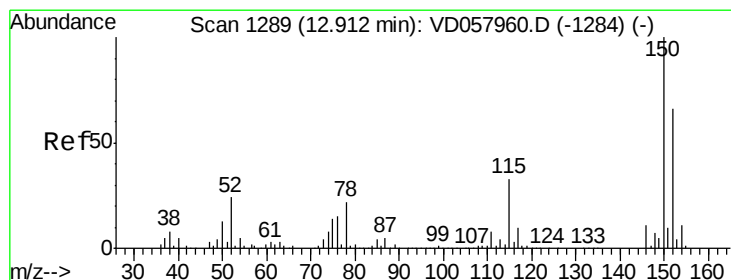
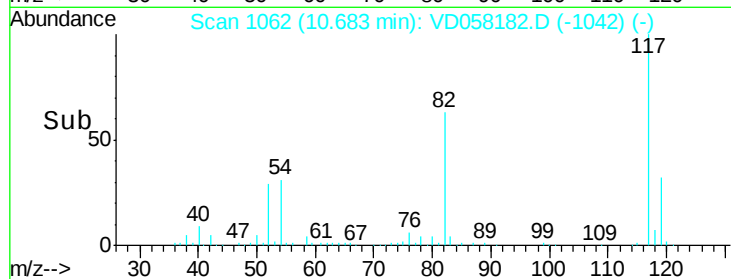
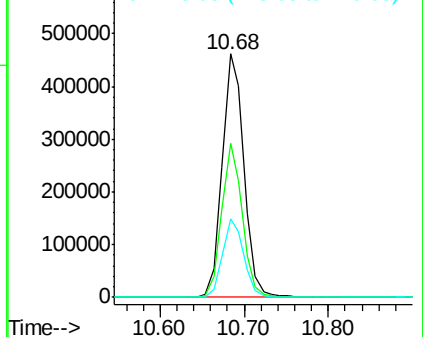
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.00 min
Lab File: VD058182.D
Acq: 18 Jun 2018 15:42

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 822296
Ion Ratio Lower Upper
117 100
82 63.3 46.8 70.2
119 32.0 25.8 38.6

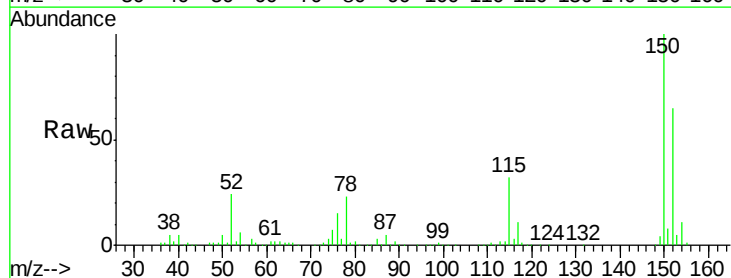


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

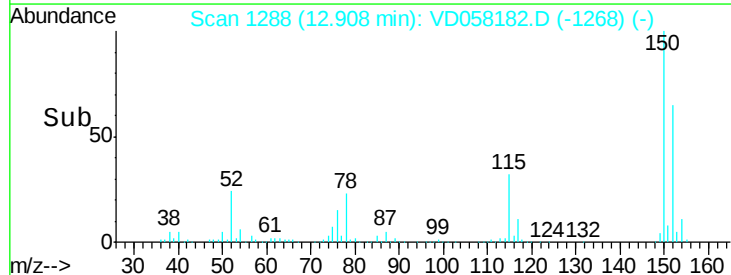
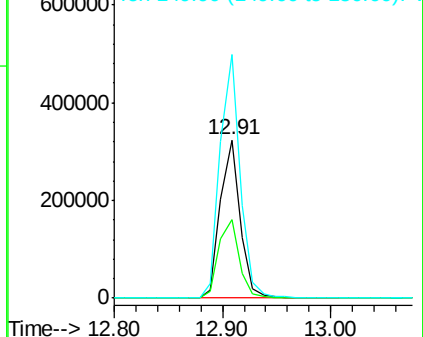


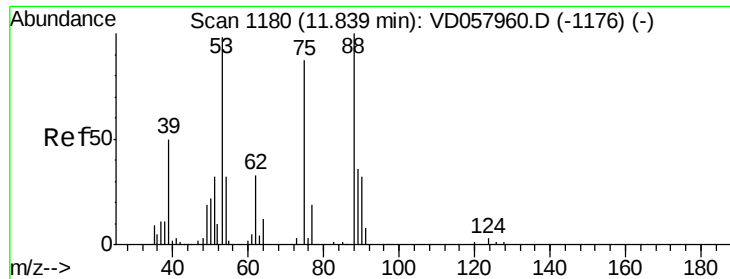
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VD058182.D
Acq: 18 Jun 2018 15:42

Tgt Ion:152 Resp: 414151
Ion Ratio Lower Upper
152 100
115 49.3 25.6 76.6
150 154.1 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: 122.308 ug/l

RT: 11.92 min Scan# 1188

Delta R.T. 0.08 min

Lab File: VD058182.D

Acq: 18 Jun 2018 15:42

Instrument :

MSVOA_D

ClientSampleId :

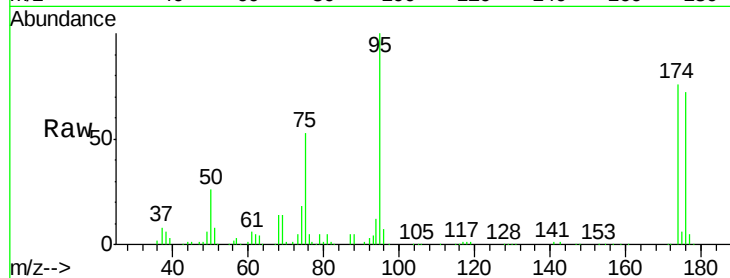
Tot Ion: 75 Resp: 188463

Ion Ratio Lower Upper

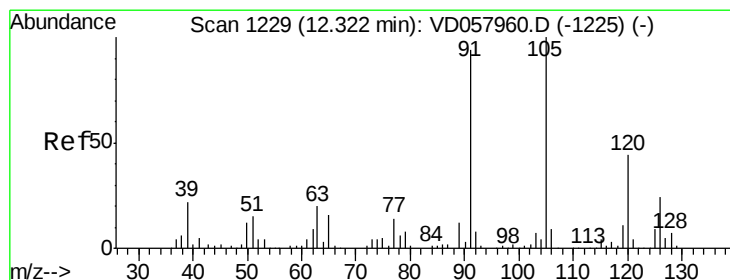
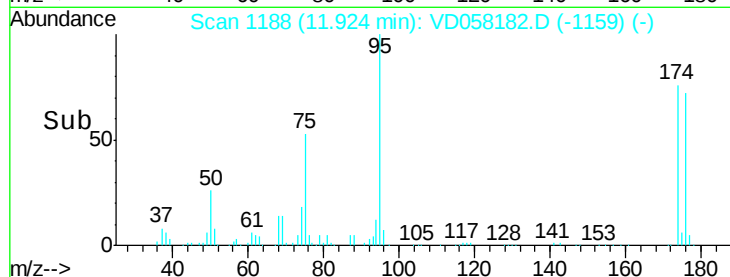
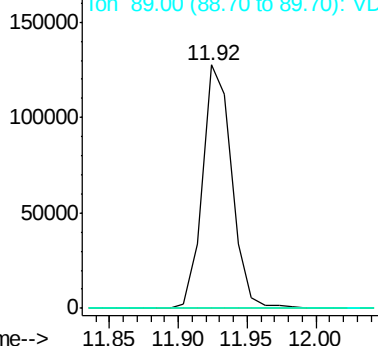
75 100

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: 12.34 min Scan# 1230

Delta R.T. 0.02 min

Lab File: VD058182.D

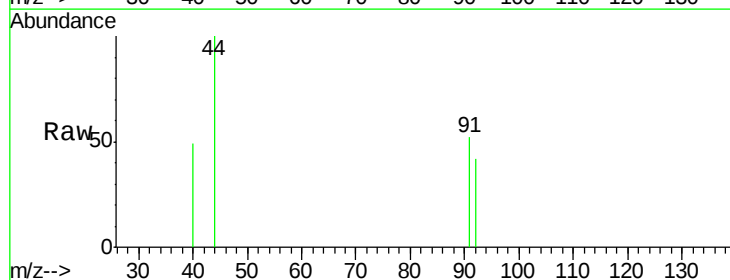
Acq: 18 Jun 2018 15:42

Tgt Ion: 91 Resp: 738

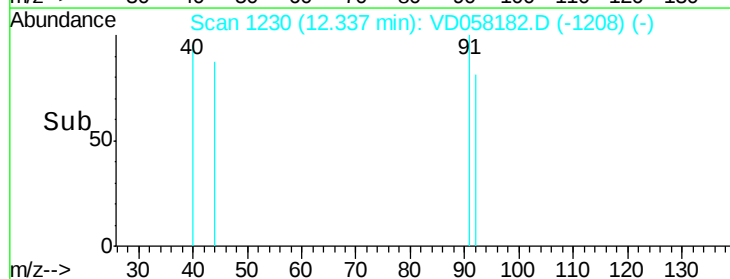
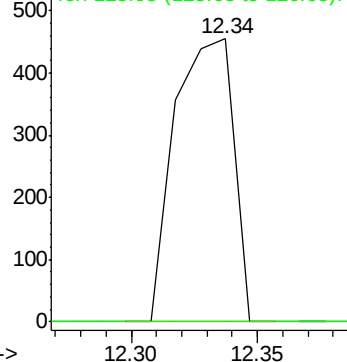
Ion Ratio Lower Upper

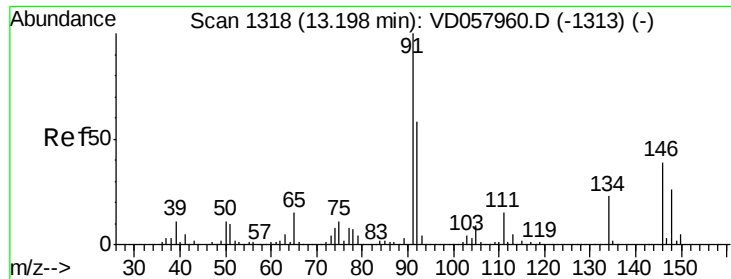
91 100

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: VD058182.D
 Acq: 18 Jun 2018 15:42

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 91 Resp: 570
 Ion Ratio Lower Upper
 91 100
 92 45.8 29.2 87.6
 134 0.0 11.3 33.9#

