

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061418\
 Data File : VD058141.D
 Acq On : 14 Jun 2018 17:48
 Operator : VA/AP
 Sample : J3481-02
 Misc : 10.20g/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 15 06:05:08 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	5.64	168	661715	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.70	114	874406	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	688835	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	326706	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	285207	43.11	ug/l	0.00
Spiked Amount			Recovery	=	86.22%	
35) Dibromofluoromethane	5.55	113	286405	42.33	ug/l	0.00
Spiked Amount			Recovery	=	84.66%	
50) Toluene-d8	8.71	98	624816	38.85	ug/l	0.00
Spiked Amount			Recovery	=	77.70%	
62) 4-Bromofluorobenzene	11.93	95	253800	36.17	ug/l	0.00
Spiked Amount			Recovery	=	72.34%	

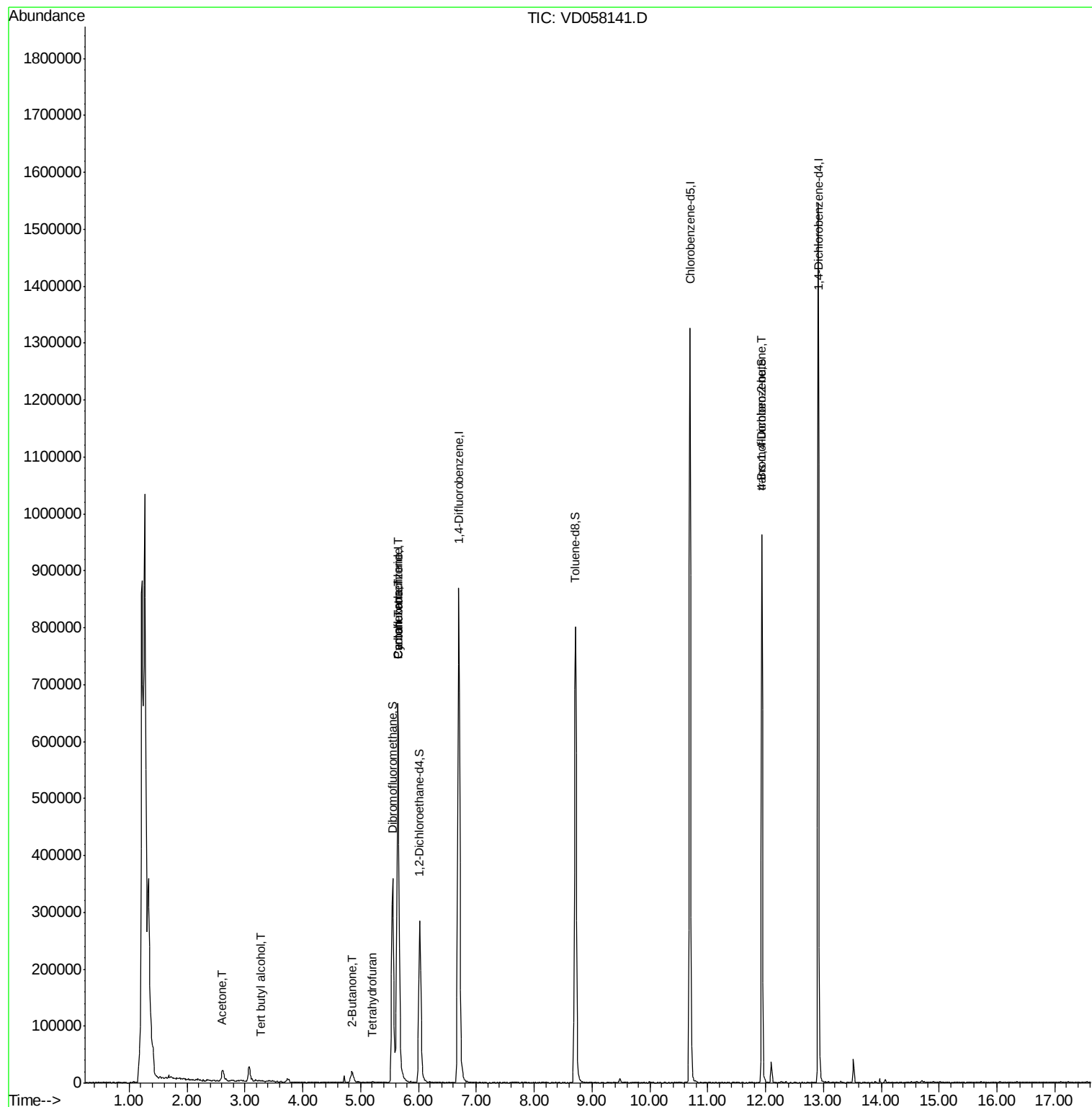
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.28	59	187	1.055	ug/l #	74
16) Acetone	2.61	43	44847	47.053	ug/l #	90
20) Methylene Chloride	3.07	84	11449	Below Cal		95
25) 2-Butanone	4.84	43	2294	1.059	ug/l #	64
29) Tetrahydrofuran	5.21	42	1432	1.261	ug/l #	63
31) Cyclohexane	5.64	56	15021	1.306	ug/l #	1
38) Carbon Tetrachloride	5.64	117	54059	5.694	ug/l #	17
81) trans-1,4-Dichloro-2-buten	11.93	75	119484	98.297	ug/l #	6
82) 4-Chlorotoluene	12.33	91	381	Below Cal	#	50

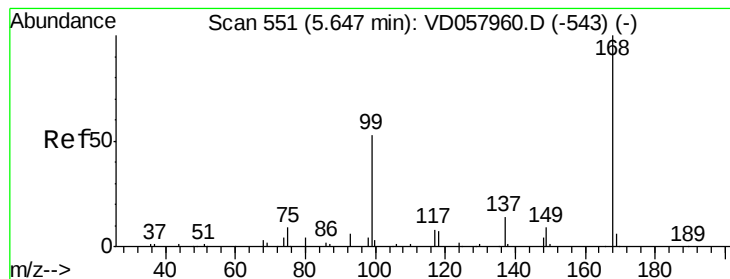
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.64 min Scan# 550

Delta R.T. -0.00 min

Lab File: VD058141.D

Acq: 14 Jun 2018 17:48

Instrument :

MSVOA_D

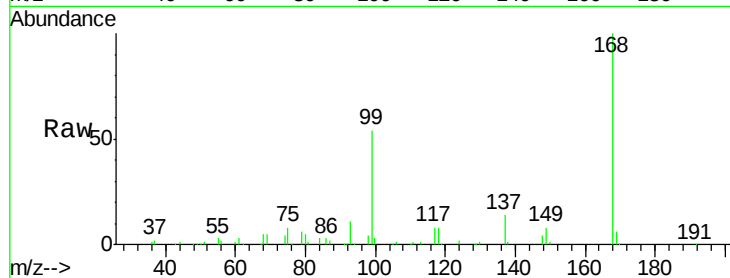
ClientSampleId :

Tot Ion:168 Resp: 661715

Ion Ratio Lower Upper

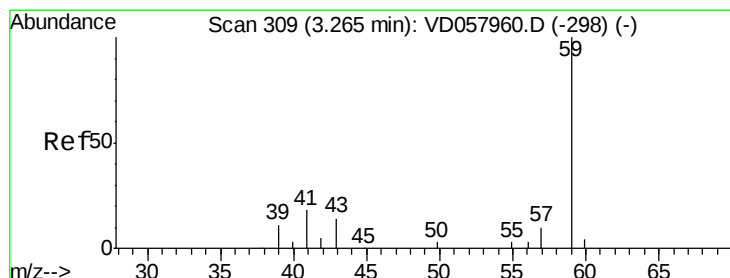
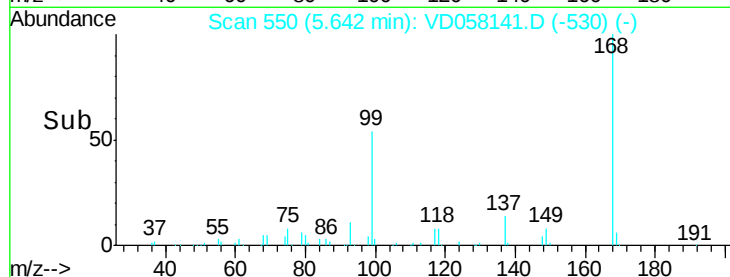
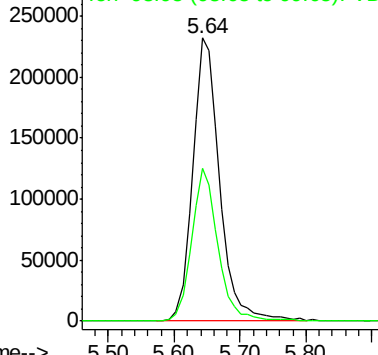
168 100

99 53.8 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: 1.055 ug/l

RT: 3.28 min Scan# 310

Delta R.T. 0.01 min

Lab File: VD058141.D

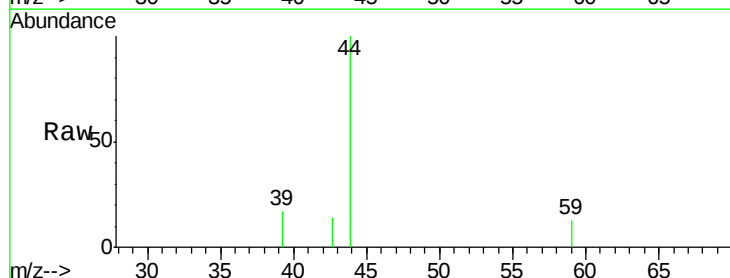
Acq: 14 Jun 2018 17:48

Tgt Ion: 59 Resp: 187

Ion Ratio Lower Upper

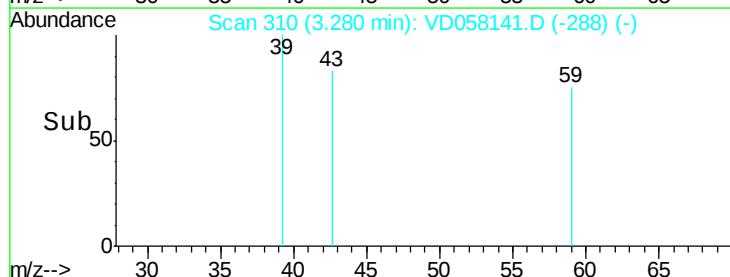
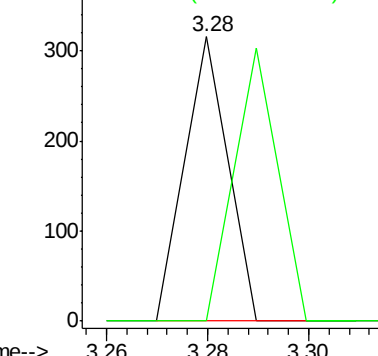
59 100

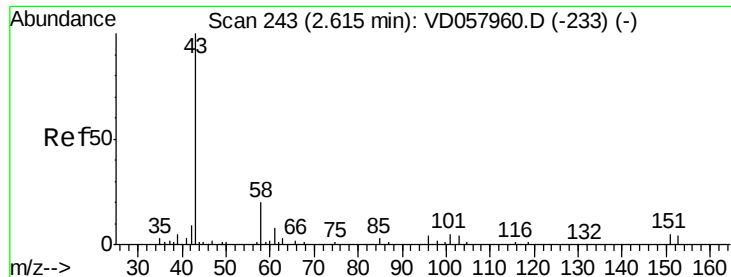
57 0.0 7.8 11.6#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 47.053 ug/l

RT: 2.61 min Scan# 242

Delta R.T. -0.00 min

Lab File: VD058141.D

Acq: 14 Jun 2018 17:48

Instrument :

MSVOA_D

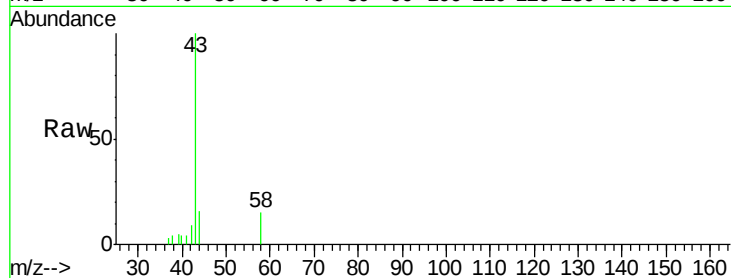
ClientSampleId :

Tot Ion: 43 Resp: 44847

Ion Ratio Lower Upper

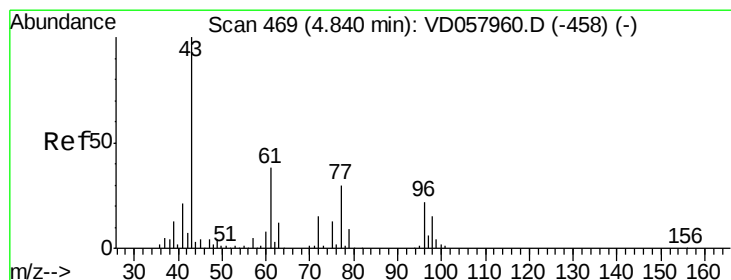
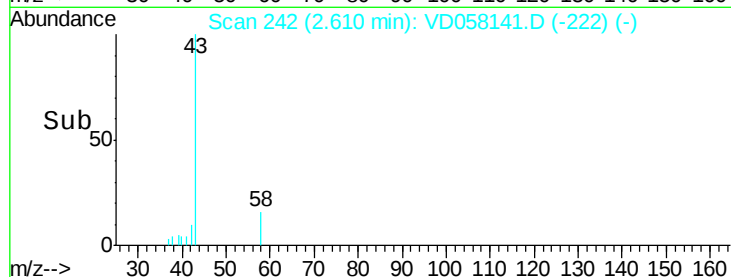
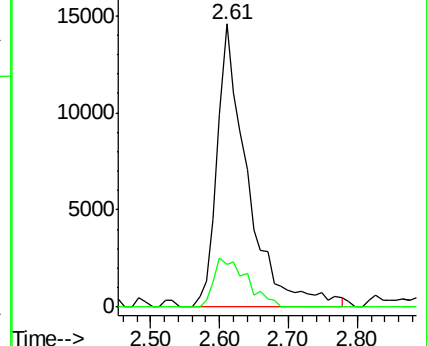
43 100

58 15.2 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: 1.059 ug/l

RT: 4.84 min Scan# 469

Delta R.T. 0.00 min

Lab File: VD058141.D

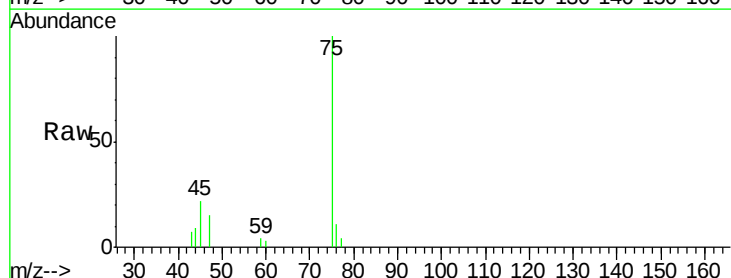
Acq: 14 Jun 2018 17:48

Tgt Ion: 43 Resp: 2294

Ion Ratio Lower Upper

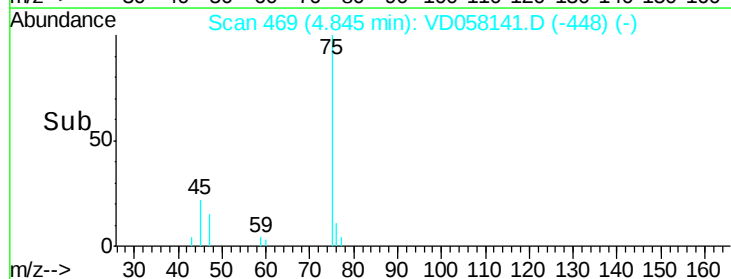
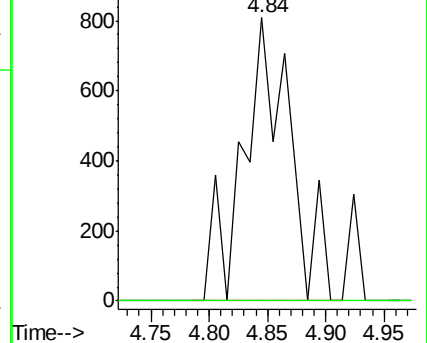
43 100

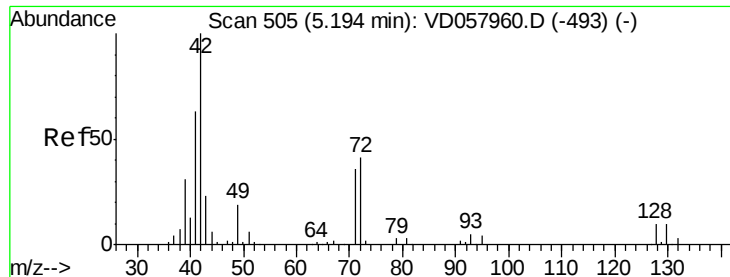
72 0.0 12.0 18.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

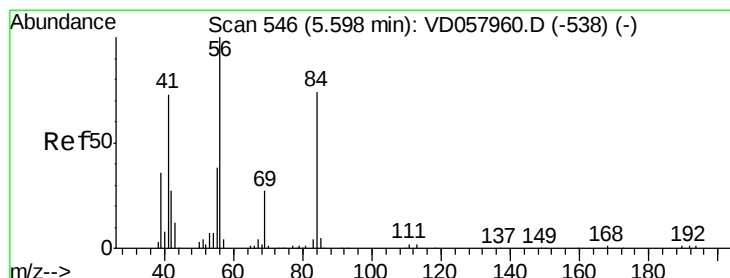
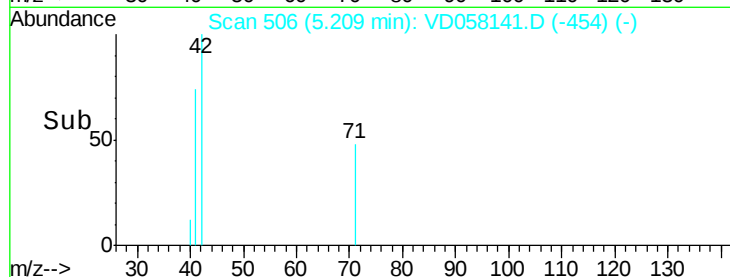
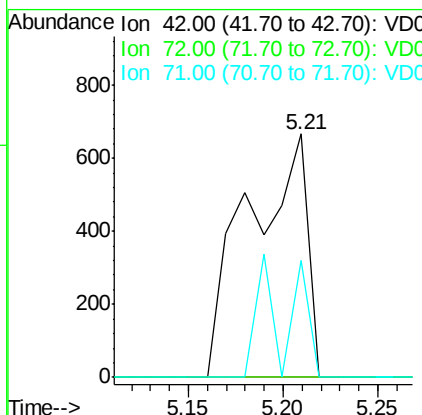
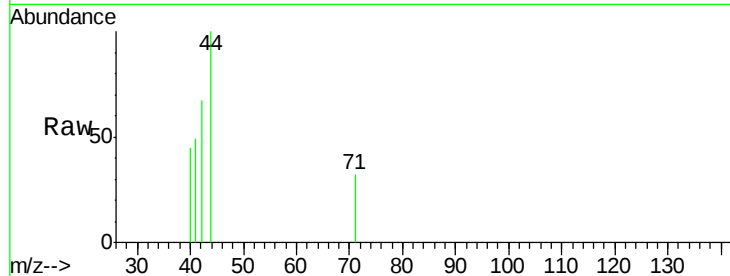




#29
Tetrahydrofuran
Concen: 1.261 ug/l
RT: 5.21 min Scan# 506
Delta R.T. 0.01 min
Lab File: VD058141.D
Acq: 14 Jun 2018 17:48

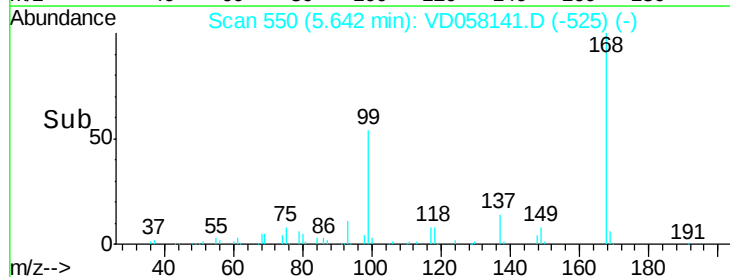
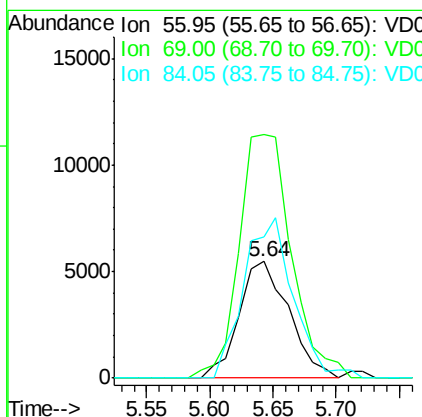
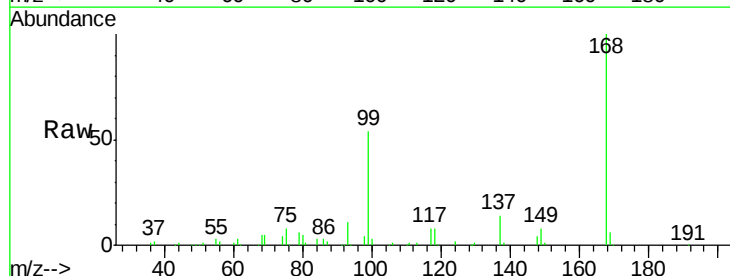
Instrument :
MSVOA_D
ClientSampleId :

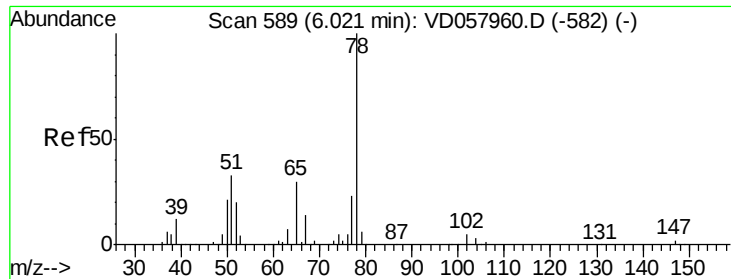
Tot Ion: 42 Resp: 1432
Ion Ratio Lower Upper
42 100
72 0.0 28.5 42.7#
71 27.2 27.9 41.9#



#31
Cyclohexane
Concen: 1.306 ug/l
RT: 5.64 min Scan# 550
Delta R.T. 0.04 min
Lab File: VD058141.D
Acq: 14 Jun 2018 17:48

Tgt Ion: 56 Resp: 15021
Ion Ratio Lower Upper
56 100
69 209.4 21.5 32.3#
84 121.0 61.0 91.6#

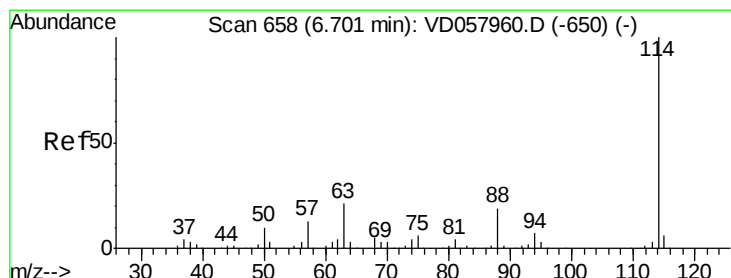
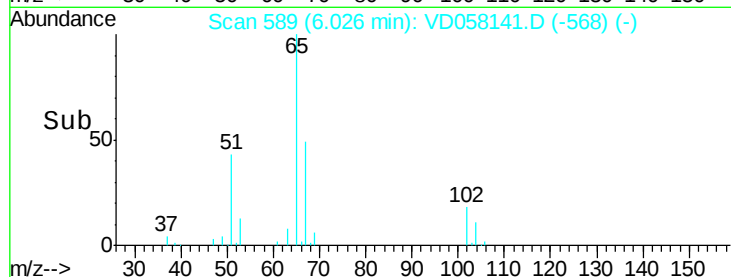
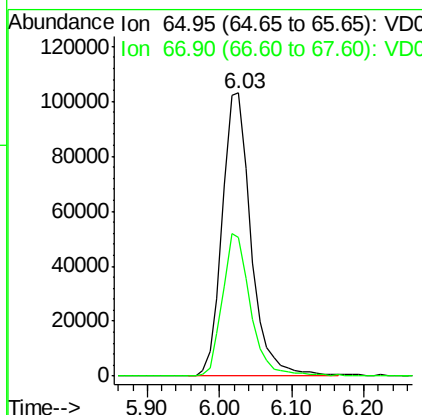
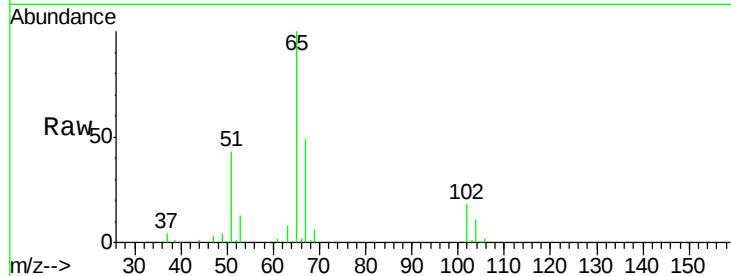




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 6.03 min Scan# 589
 Delta R.T. 0.00 min
 Lab File: VD058141.D
 Acq: 14 Jun 2018 17:48

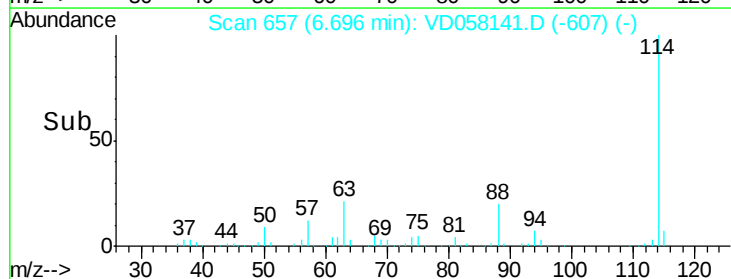
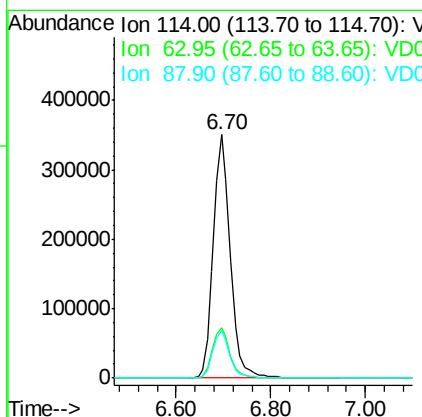
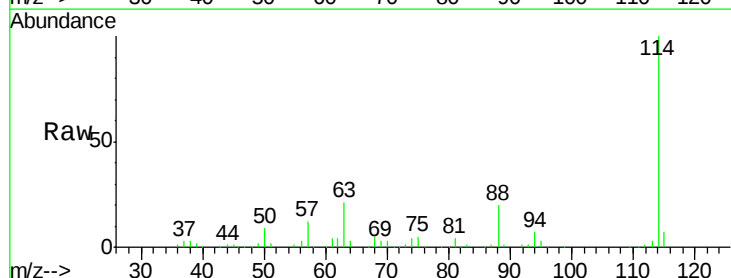
Instrument :
 MSVOA_D
 ClientSampleId :

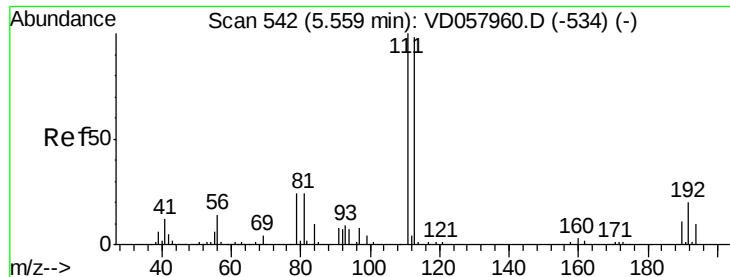
Tot Ion: 65 Resp: 285207
 Ion Ratio Lower Upper
 65 100
 67 49.2 0.0 94.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.70 min Scan# 657
 Delta R.T. -0.00 min
 Lab File: VD058141.D
 Acq: 14 Jun 2018 17:48

Tgt Ion: 114 Resp: 874406
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 42.8
 88 19.8 0.0 37.8

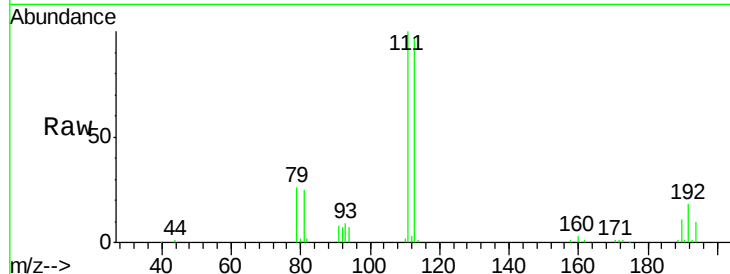




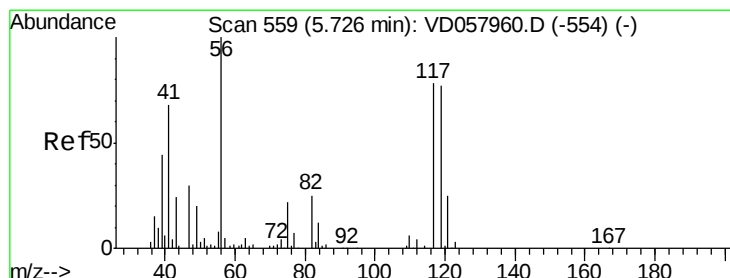
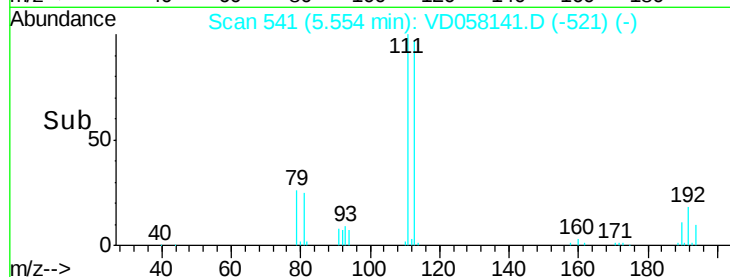
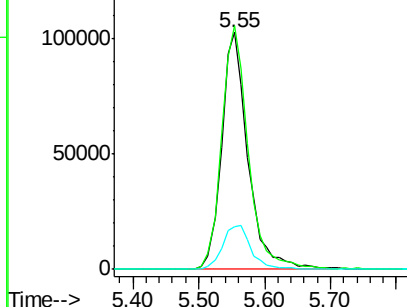
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 5.55 min Scan# 541
Delta R.T. -0.00 min
Lab File: VD058141.D
Acq: 14 Jun 2018 17:48

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:113 Resp: 286405
Ion Ratio Lower Upper
113 100
111 102.7 81.5 122.3
192 18.2 16.4 24.6

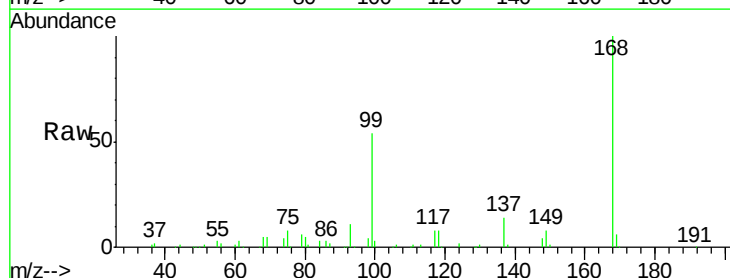


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

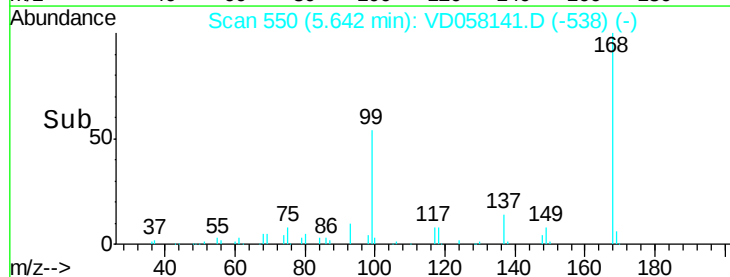
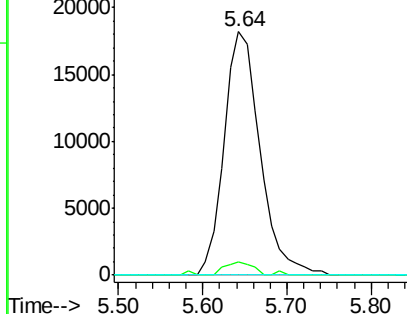


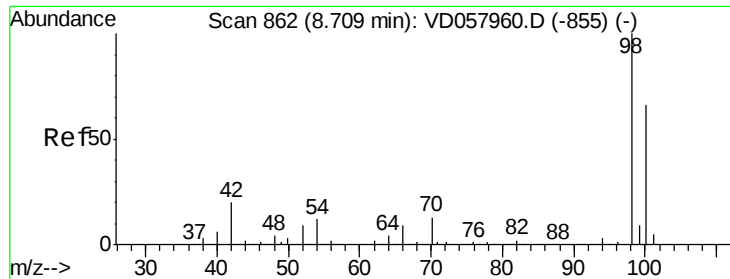
#38
Carbon Tetrachloride
Concen: 5.694 ug/l
RT: 5.64 min Scan# 550
Delta R.T. -0.08 min
Lab File: VD058141.D
Acq: 14 Jun 2018 17:48

Tgt Ion:117 Resp: 54059
Ion Ratio Lower Upper
117 100
119 5.6 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

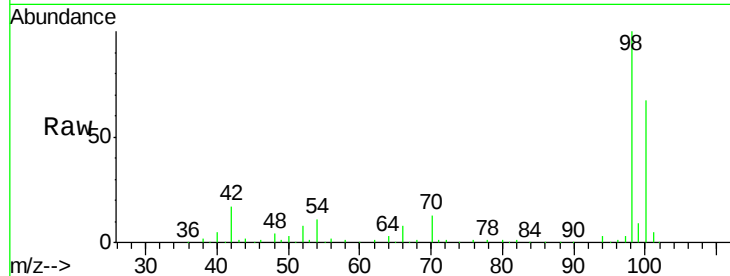




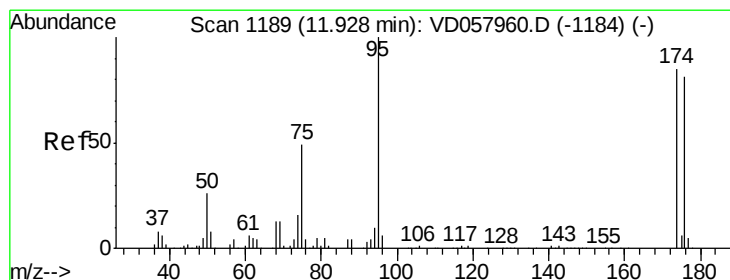
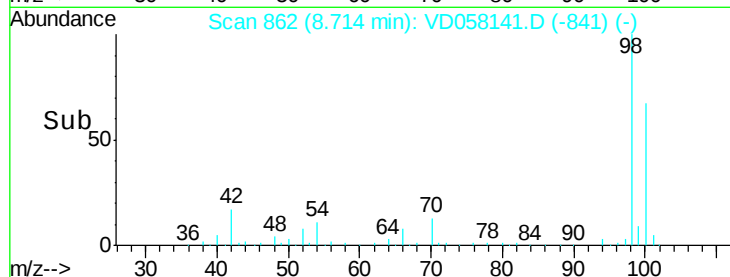
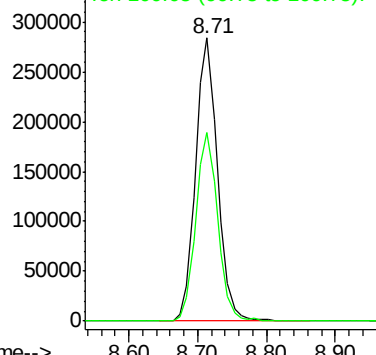
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.71 min Scan# 862
Delta R.T. 0.00 min
Lab File: VD058141.D
Acq: 14 Jun 2018 17:48

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 624816
Ion Ratio Lower Upper
98 100
100 66.6 53.4 80.0

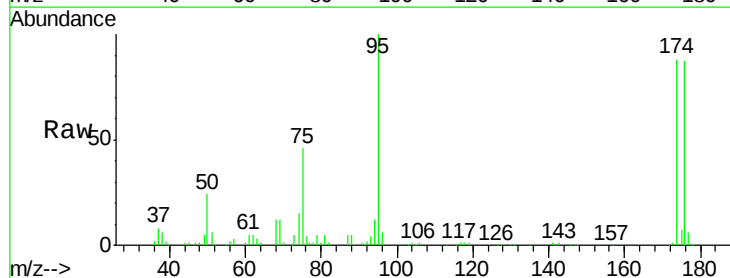


Abundance Ion 98.05 (97.75 to 98.75): VD0
Ion 100.05 (99.75 to 100.75): VD

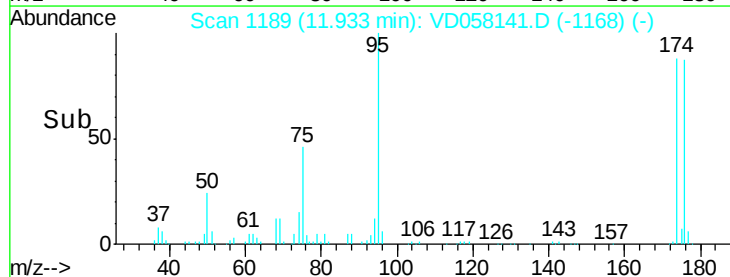
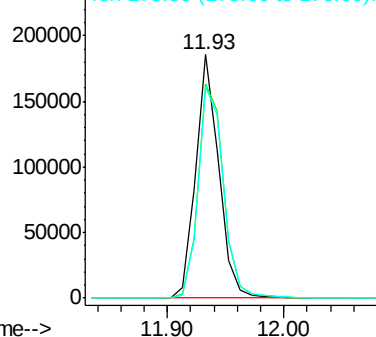


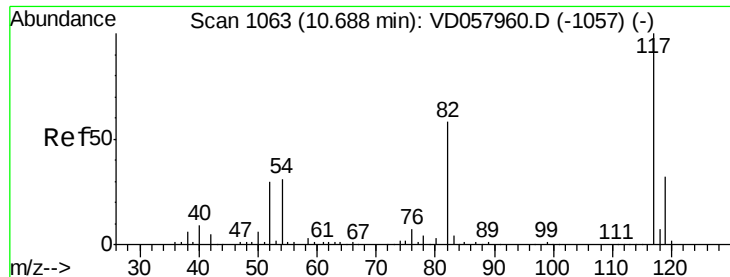
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.93 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VD058141.D
Acq: 14 Jun 2018 17:48

Tgt Ion: 95 Resp: 253800
Ion Ratio Lower Upper
95 100
174 88.2 0.0 169.4
176 87.1 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: 10.69 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VD058141.D

Acq: 14 Jun 2018 17:48

Instrument :

MSVOA_D

ClientSampleId :

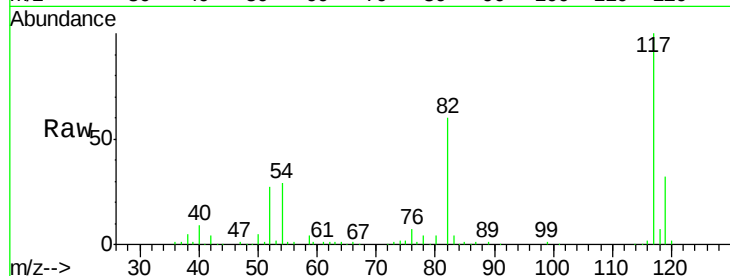
Tot Ion:117 Resp: 688835

Ion Ratio Lower Upper

117 100

82 60.2 46.8 70.2

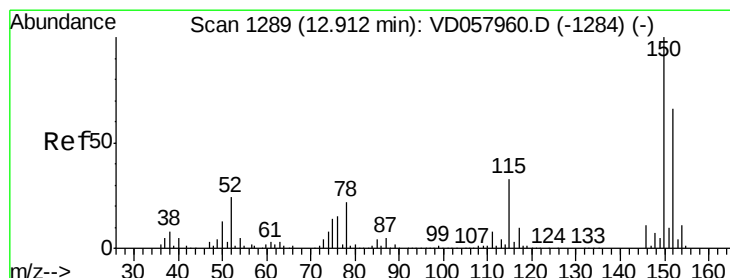
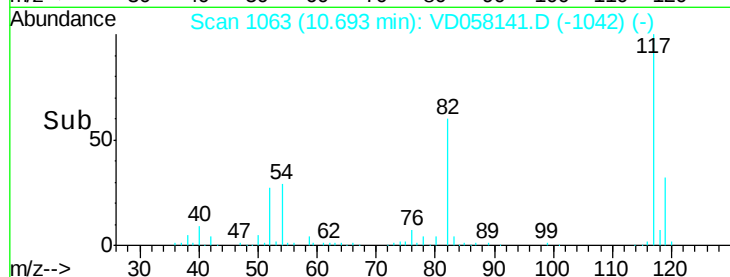
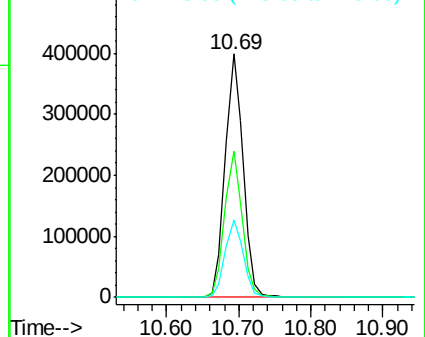
119 31.7 25.8 38.6



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: VD058141.D

Acq: 14 Jun 2018 17:48

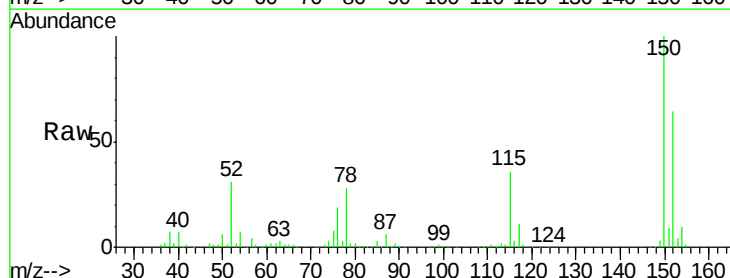
Tgt Ion:152 Resp: 326706

Ion Ratio Lower Upper

152 100

115 56.8 25.6 76.6

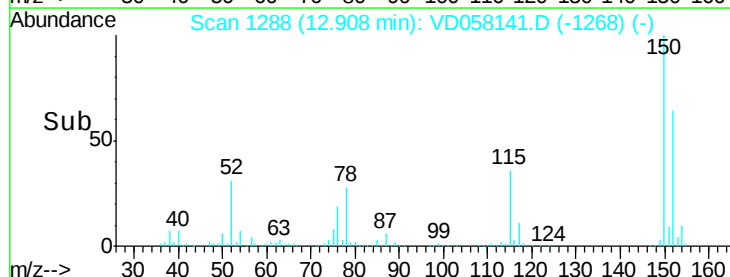
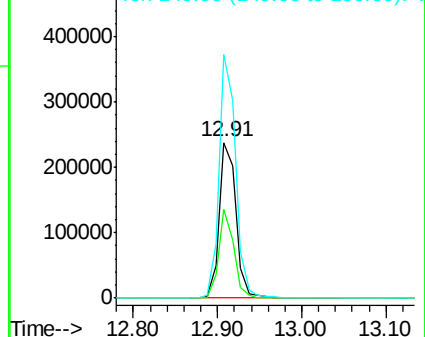
150 156.5 0.0 306.8

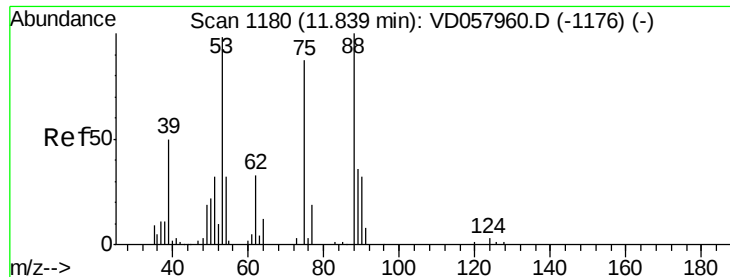


Abundance Ion 151.90 (151.60 to 152.60): V

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: 98.297 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.09 min

Lab File: VD058141.D

Acq: 14 Jun 2018 17:48

Instrument :

MSVOA_D

ClientSampled :

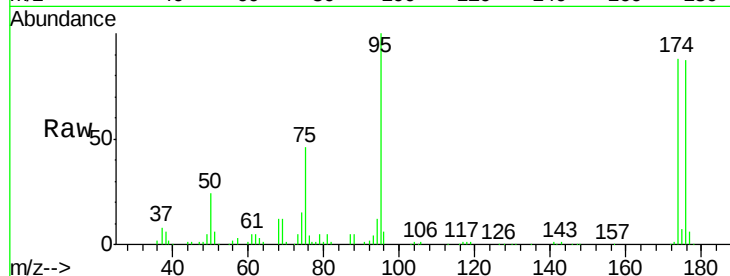
Tot Ion: 75 Resp: 119484

Ion Ratio Lower Upper

75 100

53 0.0 89.3 133.9#

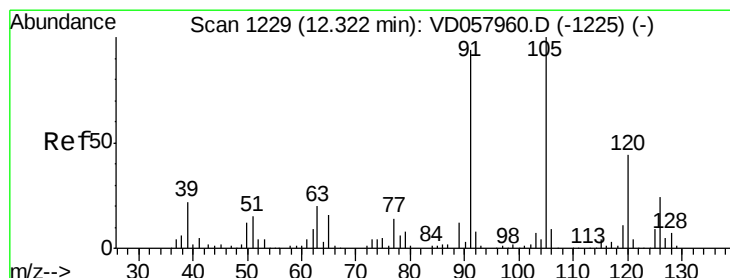
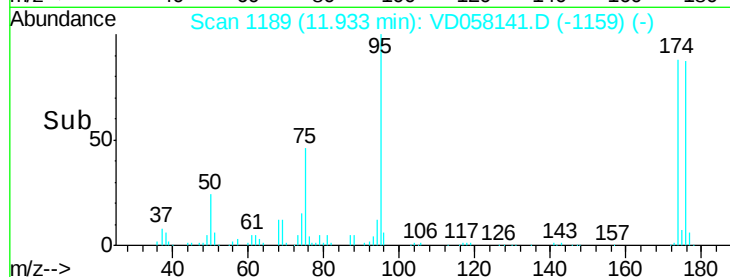
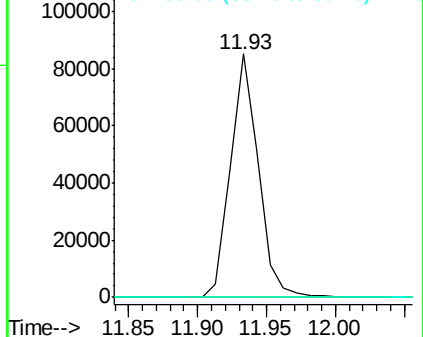
89 0.0 33.3 49.9#



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: 12.33 min Scan# 1229

Delta R.T. 0.01 min

Lab File: VD058141.D

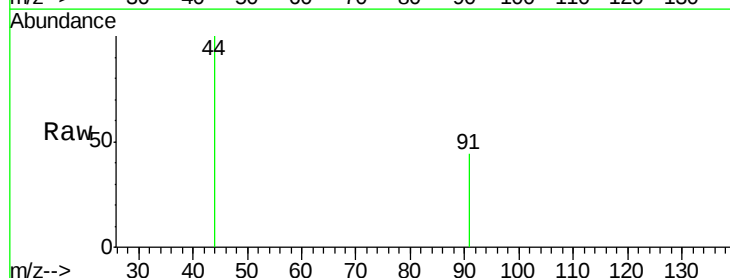
Acq: 14 Jun 2018 17:48

Tgt Ion: 91 Resp: 381

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

