

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060818\
 Data File : VD058028.D
 Acq On : 8 Jun 2018 20:03
 Operator : VA/AP
 Sample : J3325-01
 Misc : 5.17g/5ml/MSVOA D/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 08 23:57:36 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	673791	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	6.67	114	886959	50.00	ug/l	-0.03
63) Chlorobenzene-d5	10.68	117	759120	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	394834	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.00	65	380465	56.48	ug/l	-0.02
Spiked Amount						
			Recovery	=	112.96%	
35) Dibromofluoromethane	5.54	113	3982	0.58	ug/l	-0.02
Spiked Amount						
			Recovery	=	1.16%	
50) Toluene-d8	8.69	98	872066	53.45	ug/l	-0.02
Spiked Amount						
			Recovery	=	106.90%	
62) 4-Bromofluorobenzene	11.92	95	394247	55.39	ug/l	0.00
Spiked Amount						
			Recovery	=	110.78%	

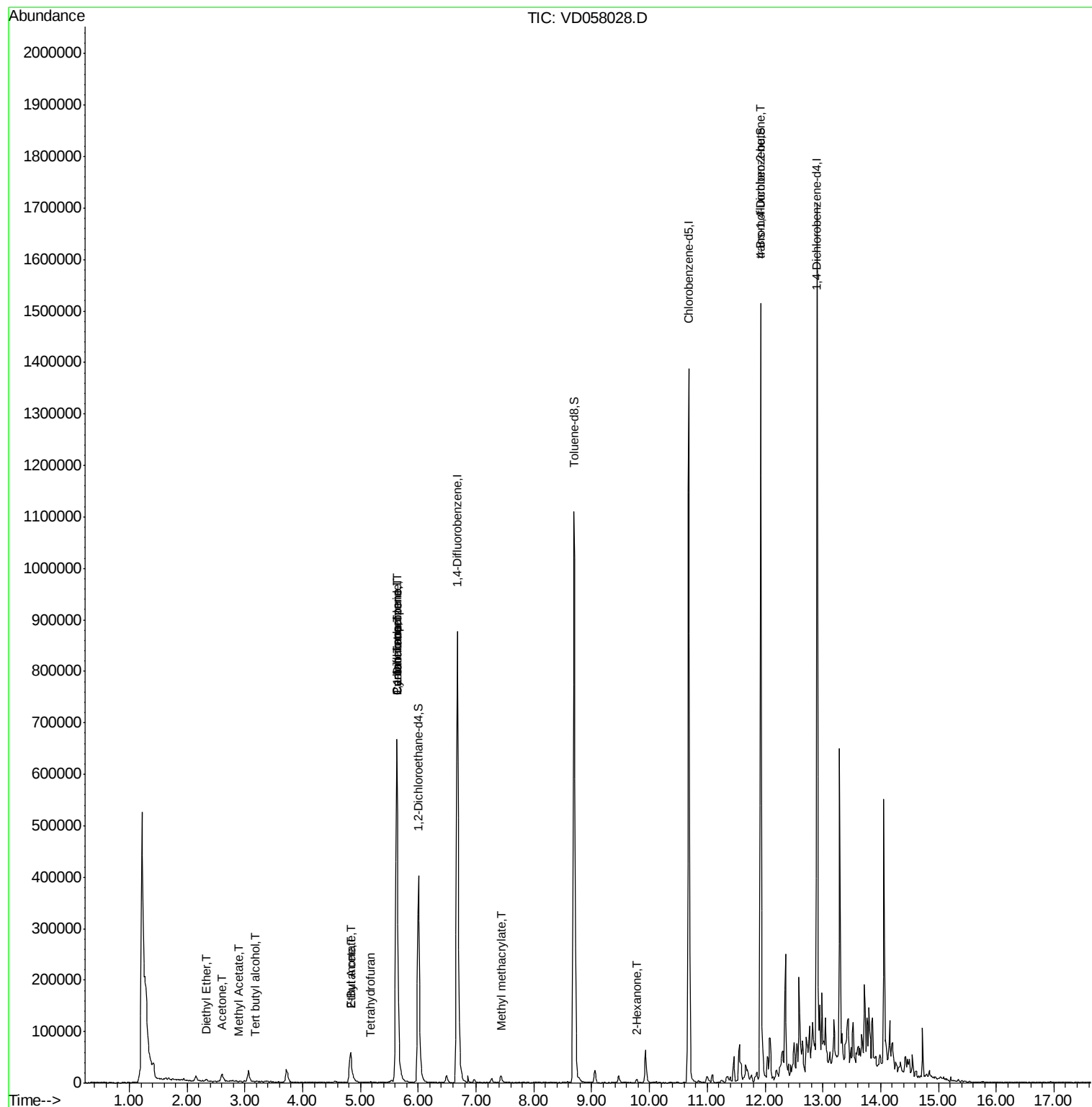
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.33	74	1298	1.186	ug/l	87
11) Tert butyl alcohol	3.18	59	1801	9.980	ug/l #	74
16) Acetone	2.61	43	35016	36.080	ug/l #	90
18) Methyl Acetate	2.90	43	2886	1.537	ug/l #	66
20) Methylene Chloride	3.06	84	8650	Below Cal		96
25) 2-Butanone	4.82	43	22334	10.126	ug/l #	90
29) Tetrahydrofuran	5.18	42	1436	1.242	ug/l #	53
31) Cyclohexane	5.62	56	15704	1.341	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	59039	6.042	ug/l #	51
37) Ethyl Acetate	4.82	43	22334	4.189	ug/l #	91
38) Carbon Tetrachloride	5.62	117	55286	5.741	ug/l #	15
48) Methyl methacrylate	7.43	41	4672	1.087	ug/l #	51
59) 2-Hexanone	9.77	43	6085	1.854	ug/l	83
81) trans-1,4-Dichloro-2-buten	11.92	75	194195	132.194	ug/l #	6
82) 4-Chlorotoluene	12.32	91	1884	Below Cal	#	50
89) n-Butylbenzene	13.19	91	5405	Below Cal	#	71

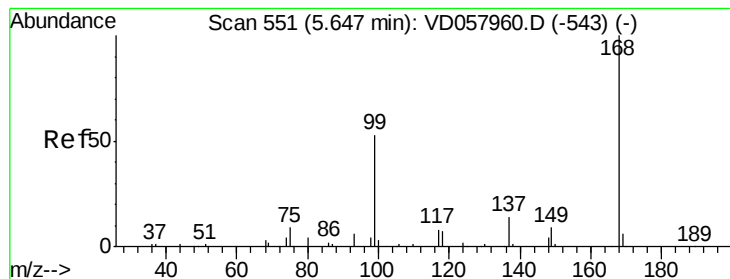
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD060818\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
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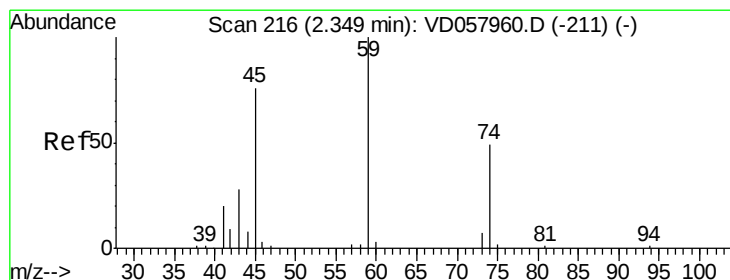
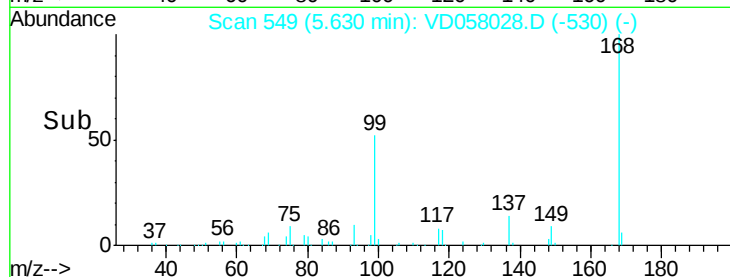
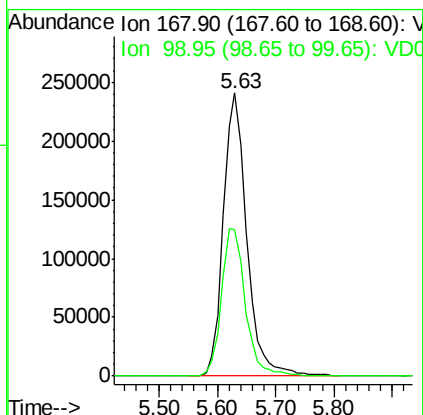
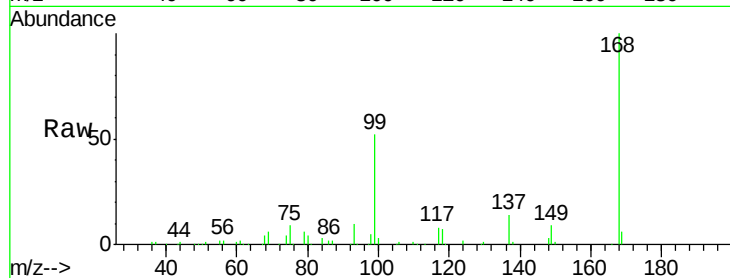




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.63 min Scan# 549
Delta R.T. -0.02 min
Lab File: VD058028.D
Acq: 8 Jun 2018 20:03

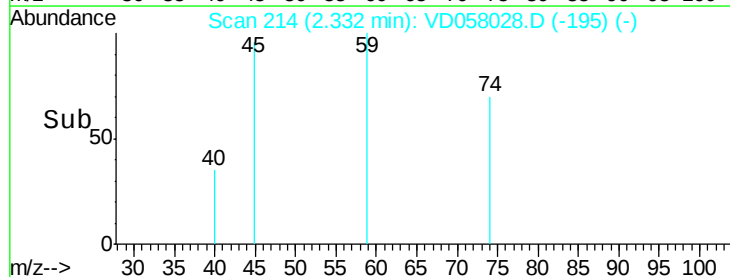
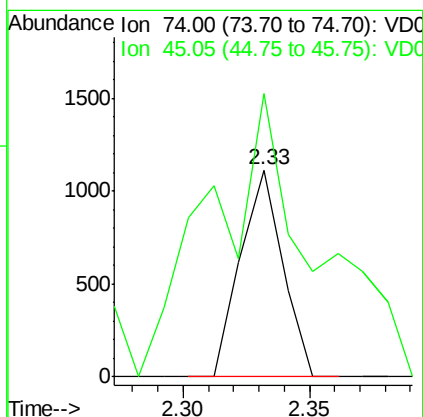
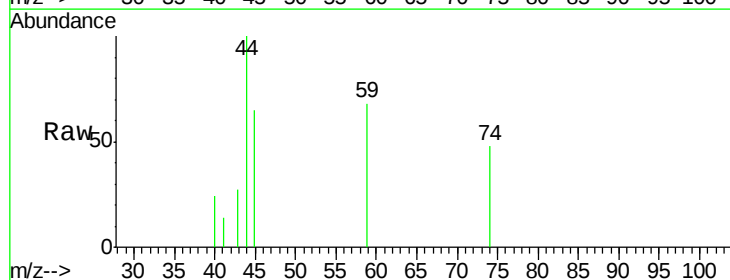
Instrument :
MSVOA_D
ClientSampleId :

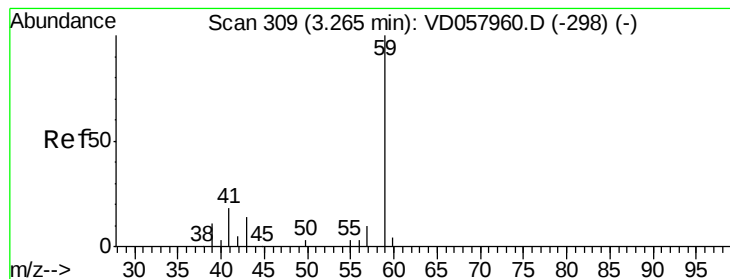
Tot Ion:168 Resp: 673791
Ion Ratio Lower Upper
168 100
99 51.6 46.8 70.2



#8
Diethyl Ether
Concen: 1.186 ug/l
RT: 2.33 min Scan# 214
Delta R.T. -0.02 min
Lab File: VD058028.D
Acq: 8 Jun 2018 20:03

Tgt Ion: 74 Resp: 1298
Ion Ratio Lower Upper
74 100
45 136.9 77.1 231.3



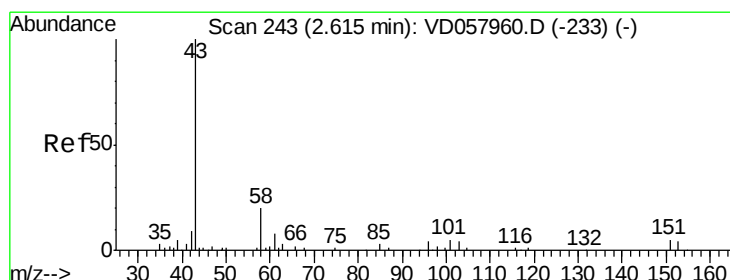
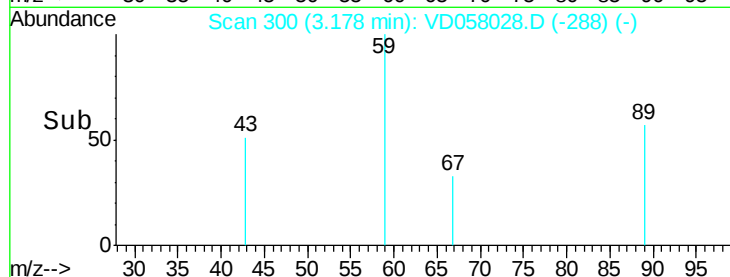
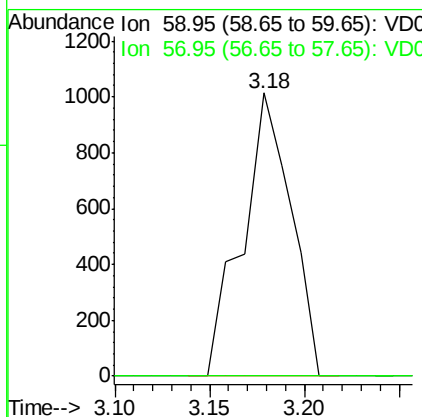
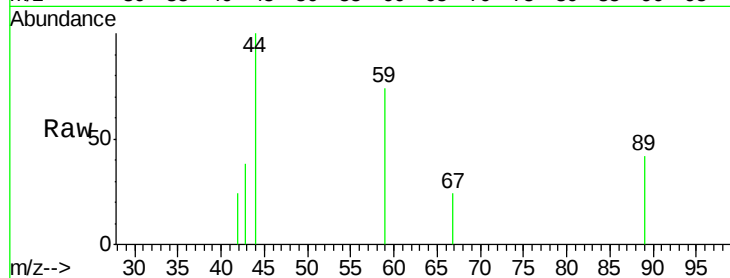


#11

Tert butyl alcohol
 Concen: 9.980 ug/l
 RT: 3.18 min Scan# 300
 Delta R.T. -0.09 min
 Lab File: VD058028.D
 Acq: 8 Jun 2018 20:03

Instrument :
 MSVOA_D
 ClientSampled :

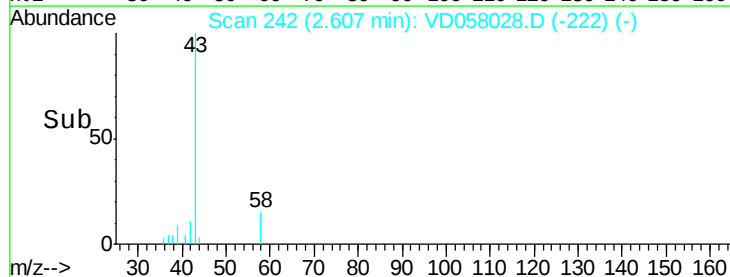
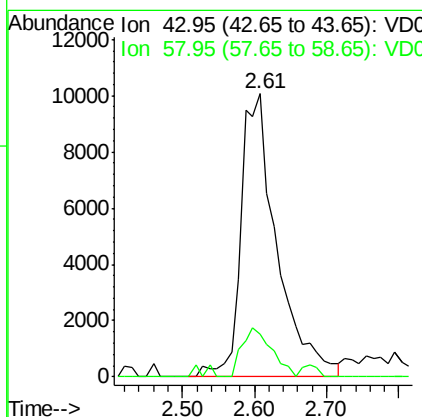
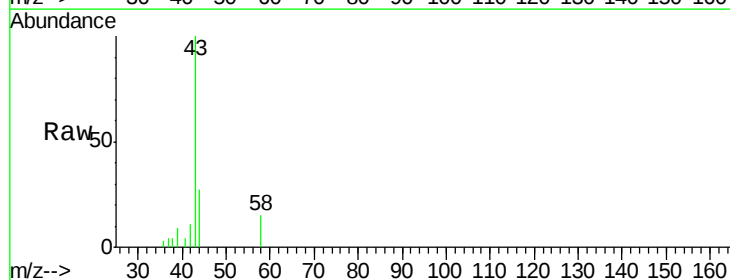
Tot Ion: 59 Resp: 1801
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.6#

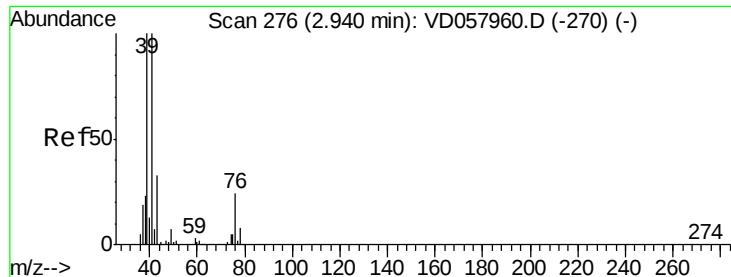


#16

Acetone
 Concen: 36.080 ug/l
 RT: 2.61 min Scan# 242
 Delta R.T. -0.01 min
 Lab File: VD058028.D
 Acq: 8 Jun 2018 20:03

Tgt Ion: 43 Resp: 35016
 Ion Ratio Lower Upper
 43 100
 58 15.2 15.8 23.8#

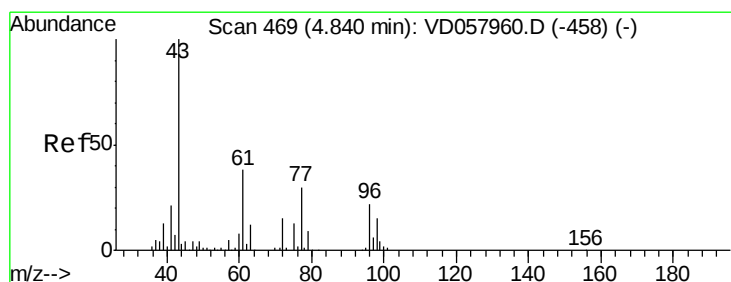
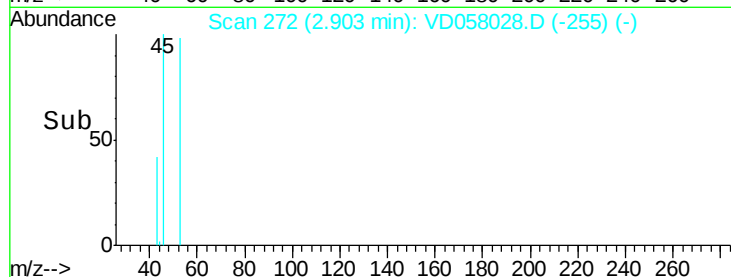
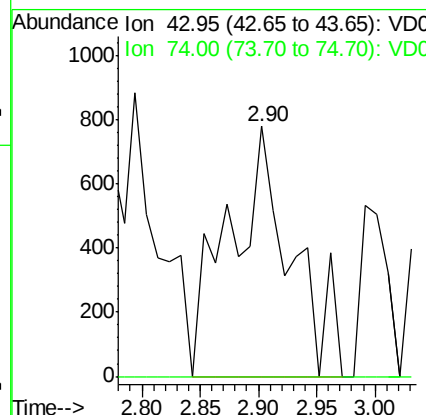
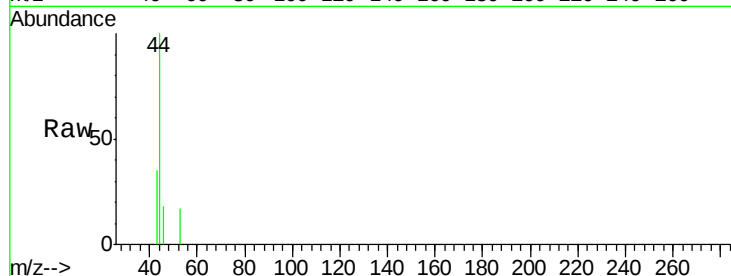




#18
Methvl Acetate
Concen: 1.537 ug/l
RT: 2.90 min Scan# 272
Delta R.T. -0.04 min
Lab File: VD058028.D
Acq: 8 Jun 2018 20:03

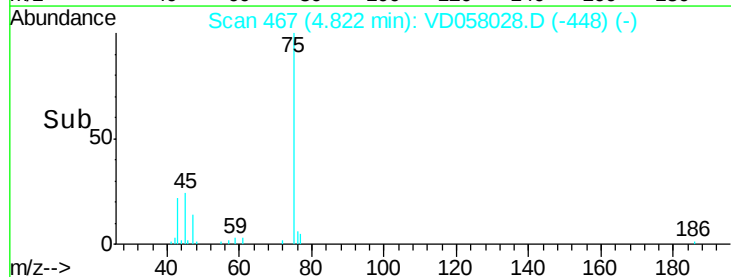
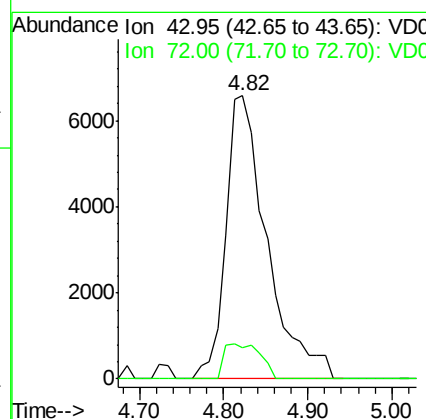
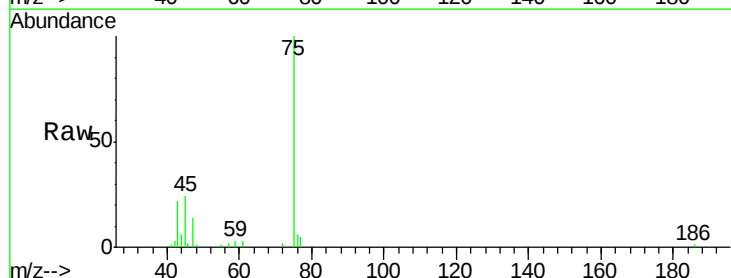
Instrument :
MSVOA_D
ClientSampleId :

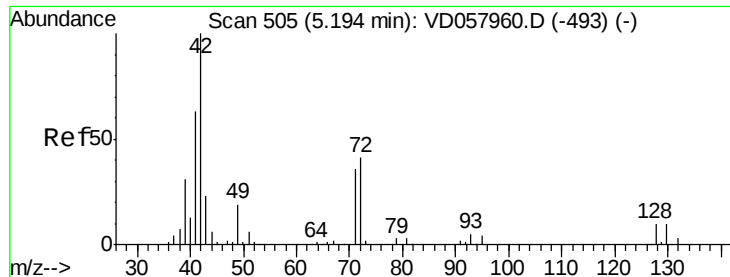
Tot Ion: 43 Resp: 2886
Ion Ratio Lower Upper
43 100
74 0.0 11.2 16.8#



#25
2-Butanone
Concen: 10.126 ug/l
RT: 4.82 min Scan# 467
Delta R.T. -0.02 min
Lab File: VD058028.D
Acq: 8 Jun 2018 20:03

Tgt Ion: 43 Resp: 22334
Ion Ratio Lower Upper
43 100
72 10.8 12.0 18.0#

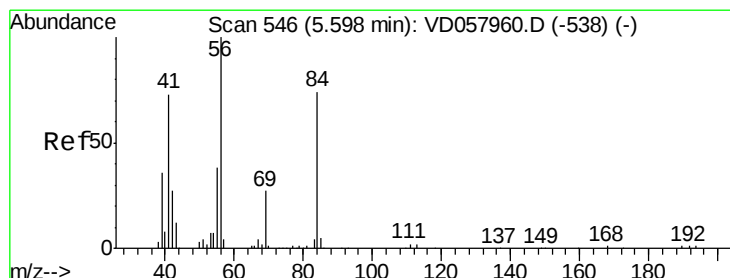
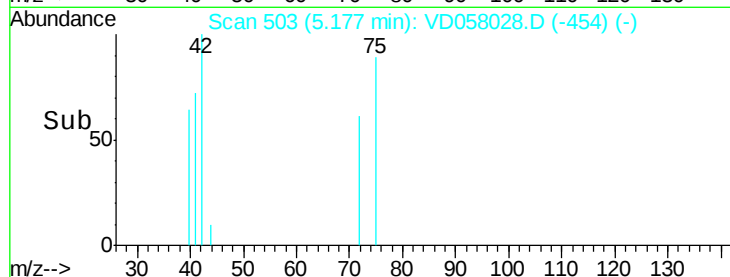
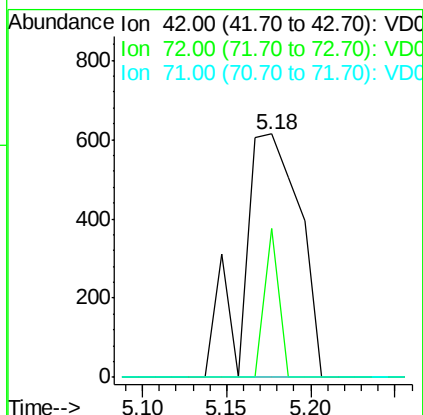
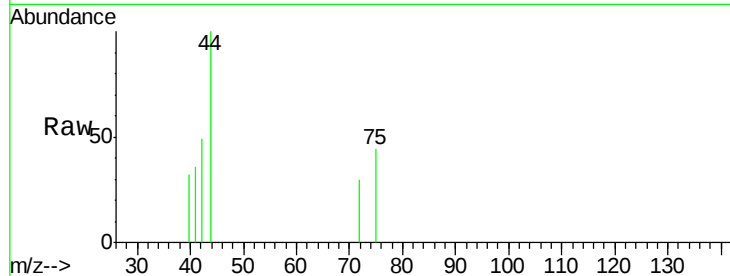




#29
Tetrahydrofuran
Concen: 1.242 ug/l
RT: 5.18 min Scan# 503
Delta R.T. -0.02 min
Lab File: VD058028.D
Acq: 8 Jun 2018 20:03

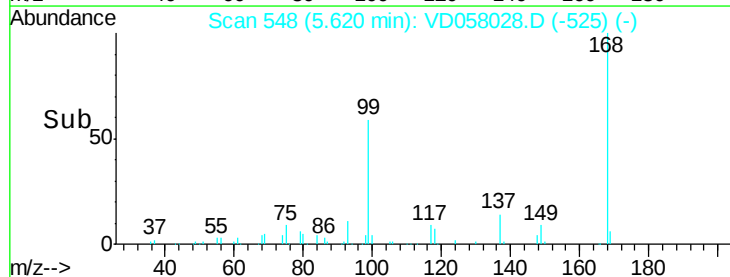
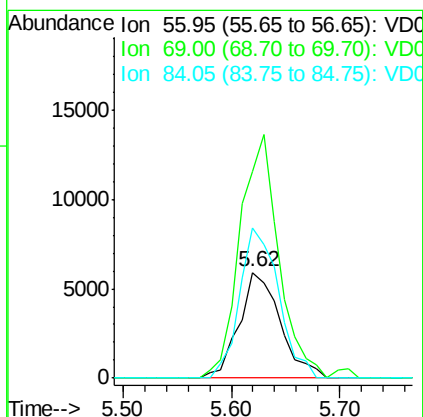
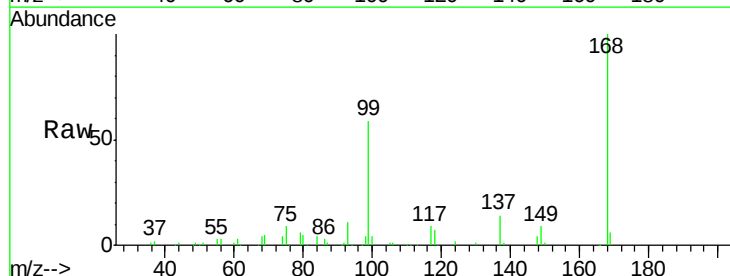
Instrument :
MSVOA_D
ClientSampleId :

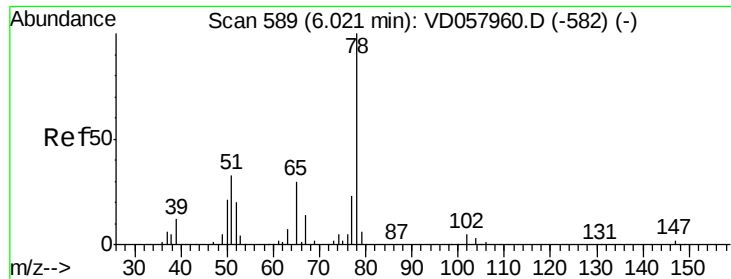
Tot Ion: 42 Resp: 1436
Ion Ratio Lower Upper
42 100
72 15.4 28.5 42.7#
71 0.0 27.9 41.9#



#31
Cyclohexane
Concen: 1.341 ug/l
RT: 5.62 min Scan# 548
Delta R.T. 0.02 min
Lab File: VD058028.D
Acq: 8 Jun 2018 20:03

Tgt Ion: 56 Resp: 15704
Ion Ratio Lower Upper
56 100
69 195.4 21.5 32.3#
84 141.9 61.0 91.6#





#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 6.00 min Scan# 587

Delta R.T. -0.02 min

Lab File: VD058028.D

Acq: 8 Jun 2018 20:03

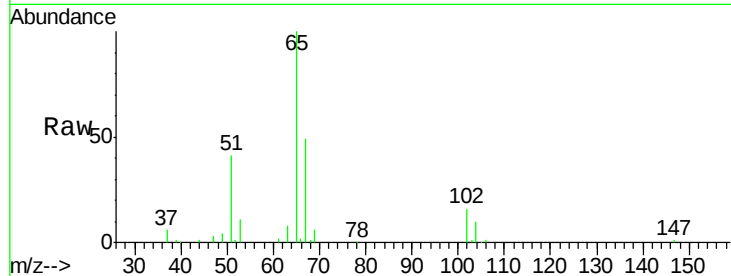
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 65 Resp: 380465

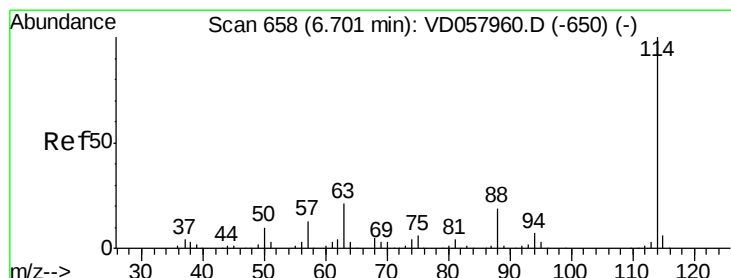
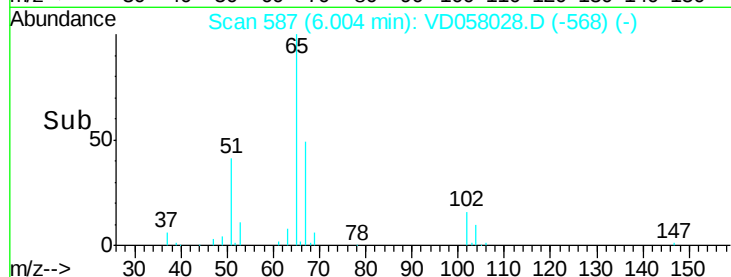
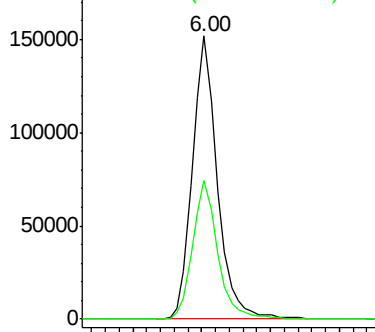
Ion Ratio Lower Upper

65 100

67 49.0 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: 6.67 min Scan# 655

Delta R.T. -0.03 min

Lab File: VD058028.D

Acq: 8 Jun 2018 20:03

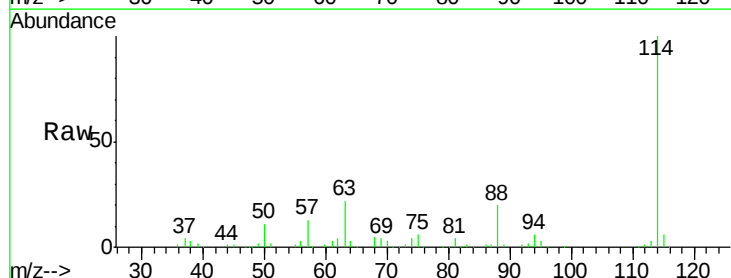
Tgt Ion: 114 Resp: 886959

Ion Ratio Lower Upper

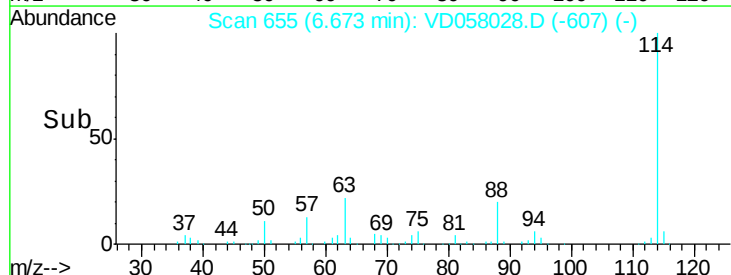
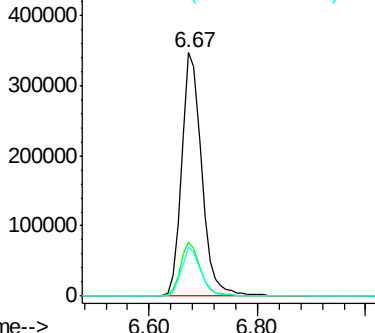
114 100

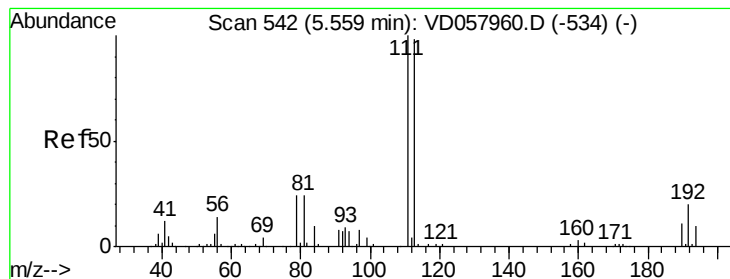
63 22.3 0.0 42.8

88 20.4 0.0 37.8



Abundance Ion 114.00 (113.70 to 114.70): VDC
Ion 62.95 (62.65 to 63.65): VDC
Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.54 min Scan# 540

Delta R.T. -0.02 min

Lab File: VD058028.D

Acq: 8 Jun 2018 20:03

Instrument :

MSVOA_D

ClientSampleId :

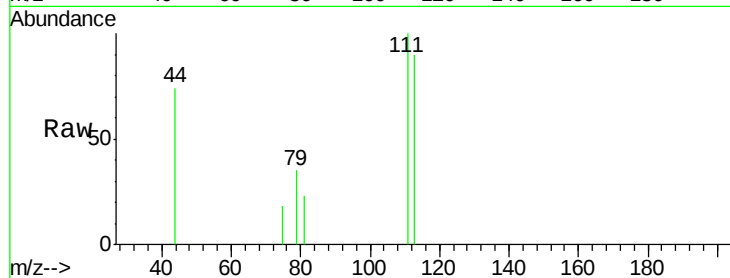
Tot Ion:113 Resp: 3982

Ion Ratio Lower Upper

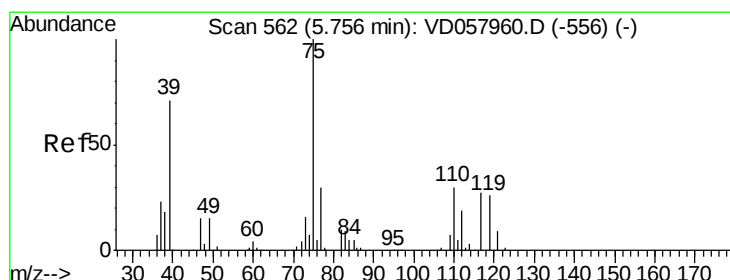
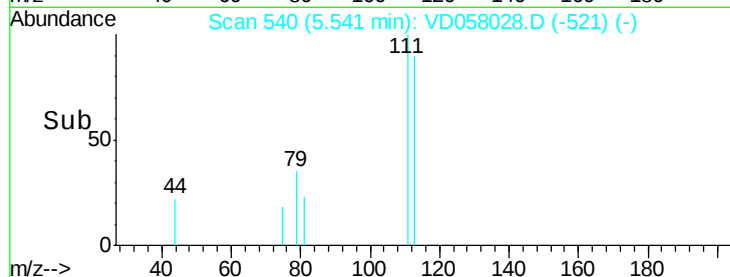
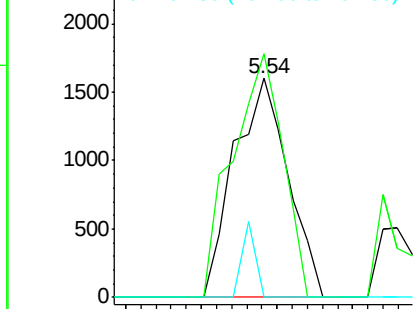
113 100

111 111.1 81.5 122.3

192 0.0 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: 6.042 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.13 min

Lab File: VD058028.D

Acq: 8 Jun 2018 20:03

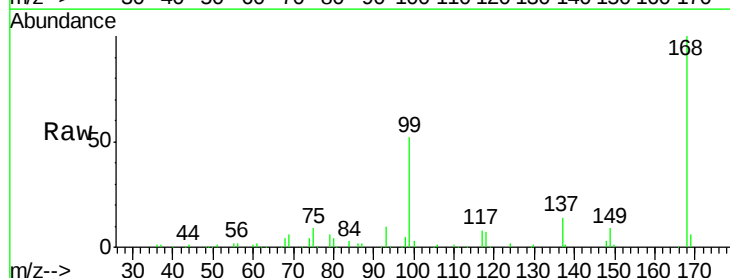
Tgt Ion: 75 Resp: 59039

Ion Ratio Lower Upper

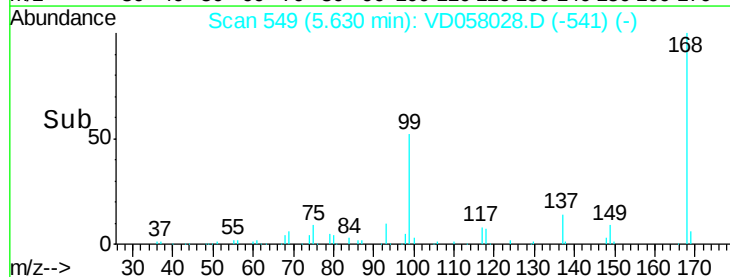
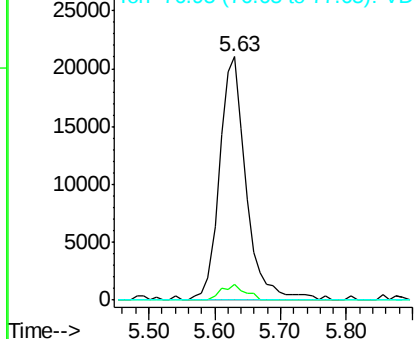
75 100

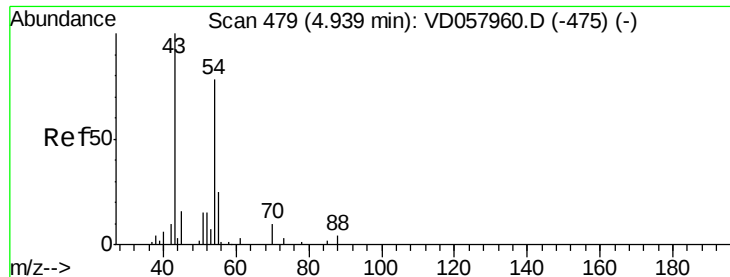
110 6.3 14.8 44.3#

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

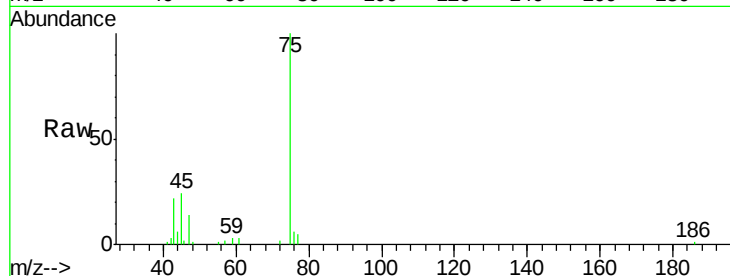




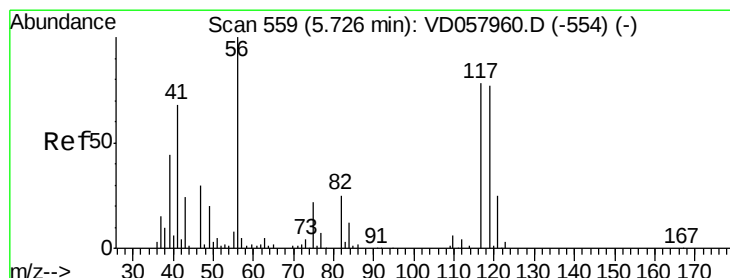
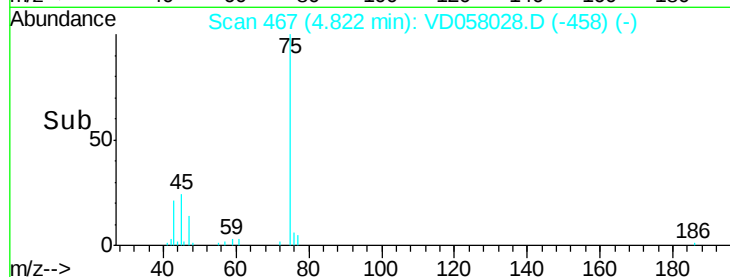
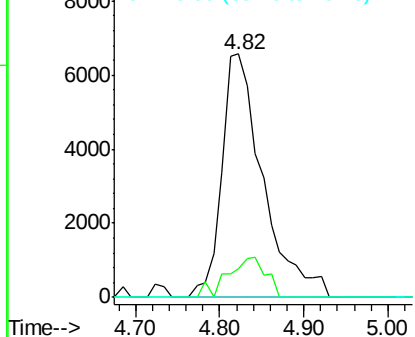
#37
Ethyl Acetate
Concen: 4.189 ug/l
RT: 4.82 min Scan# 467
Delta R.T. -0.12 min
Lab File: VD058028.D
Acq: 8 Jun 2018 20:03

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 22334
Ion Ratio Lower Upper
43 100
61 11.6 9.9 14.9
70 0.0 5.7 8.5#

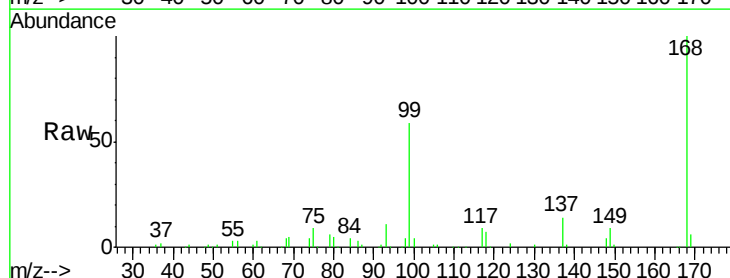


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

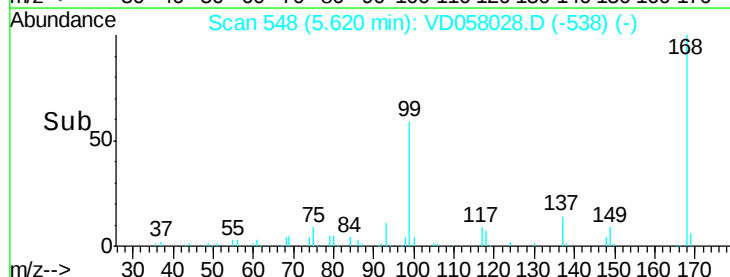
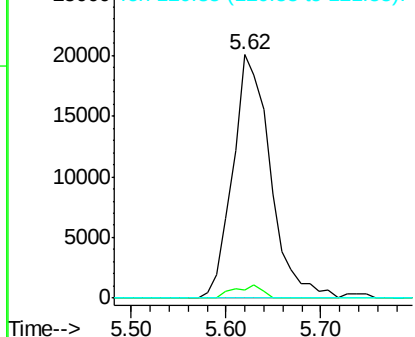


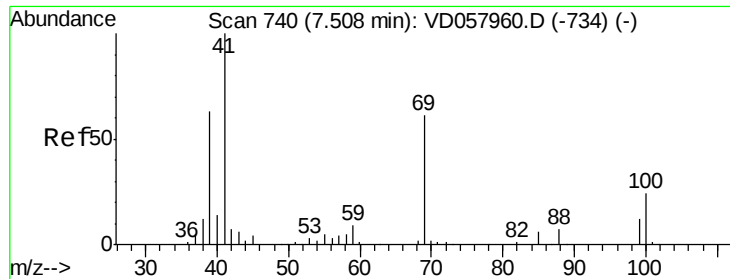
#38
Carbon Tetrachloride
Concen: 5.741 ug/l
RT: 5.62 min Scan# 548
Delta R.T. -0.11 min
Lab File: VD058028.D
Acq: 8 Jun 2018 20:03

Tgt Ion: 117 Resp: 55286
Ion Ratio Lower Upper
117 100
119 3.1 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

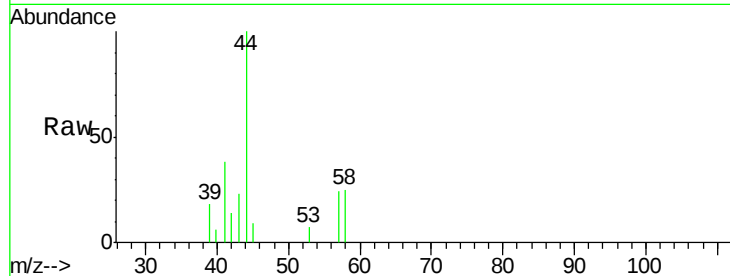




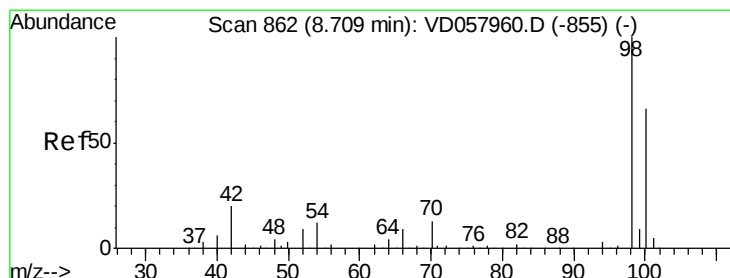
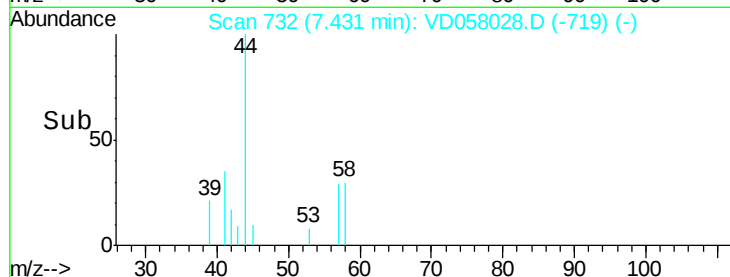
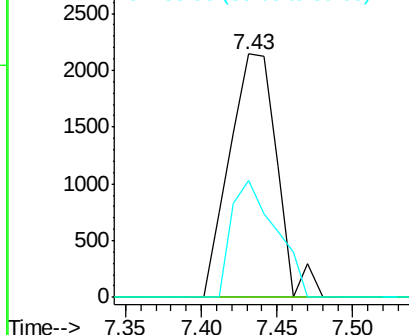
#48
Methvl methacrylate
Concen: 1.087 ug/l
RT: 7.43 min Scan# 732
Delta R.T. -0.08 min
Lab File: VD058028.D
Acq: 8 Jun 2018 20:03

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 4672
Ion Ratio Lower Upper
41 100
69 0.0 48.0 72.0#
39 48.1 50.7 76.1#

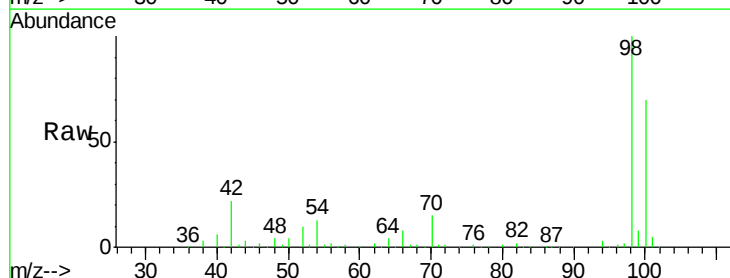


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

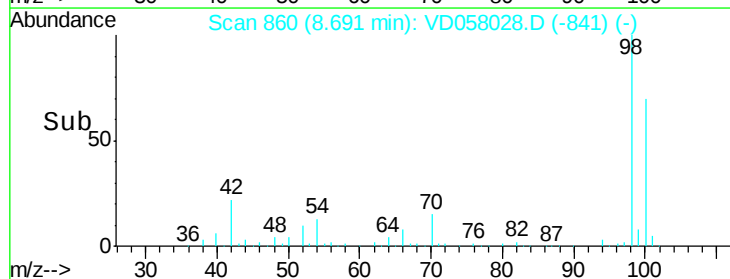
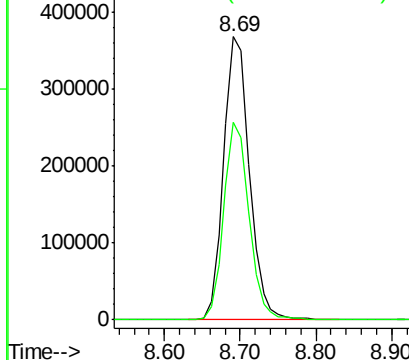


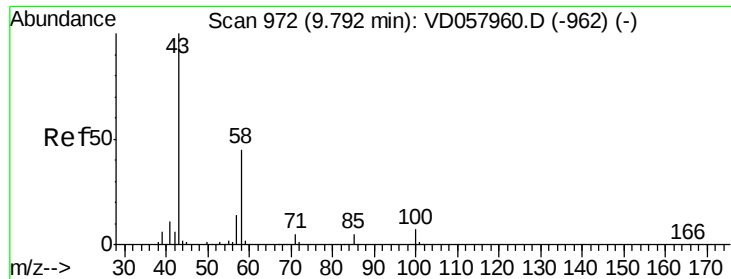
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.69 min Scan# 860
Delta R.T. -0.02 min
Lab File: VD058028.D
Acq: 8 Jun 2018 20:03

Tgt Ion: 98 Resp: 872066
Ion Ratio Lower Upper
98 100
100 69.7 53.4 80.0



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

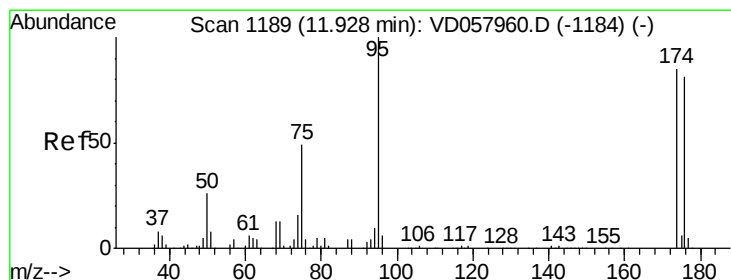
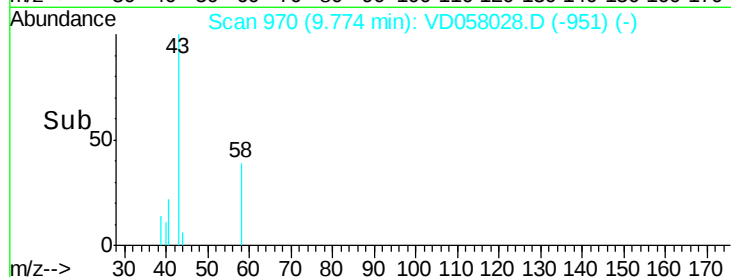
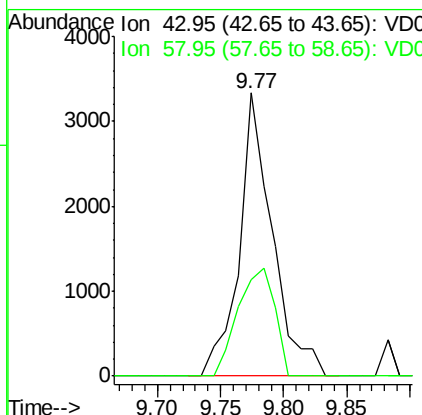
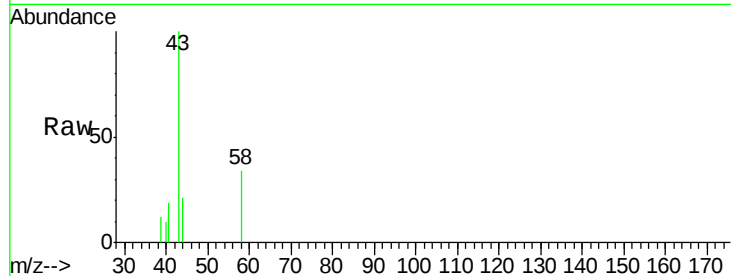




#59
2-Hexanone
Concen: 1.854 ug/l
RT: 9.77 min Scan# 970
Delta R.T. -0.02 min
Lab File: VD058028.D
Acq: 8 Jun 2018 20:03

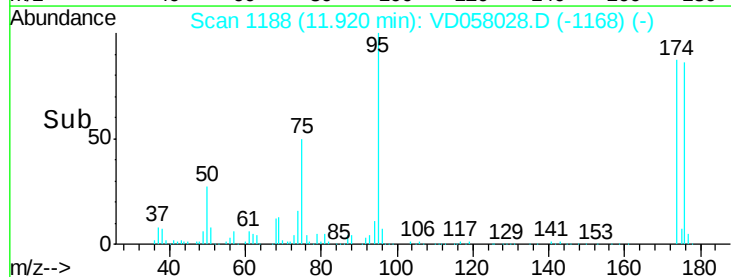
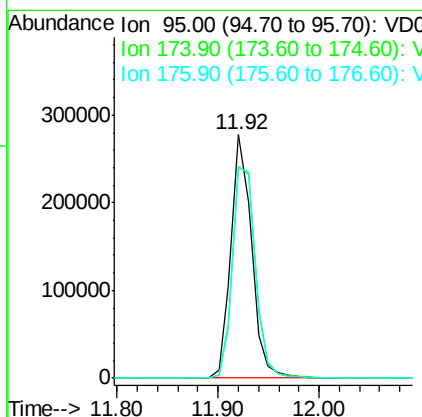
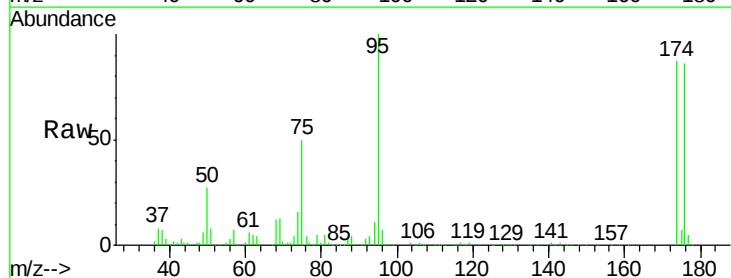
Instrument :
MSVOA_D
ClientSampleId :

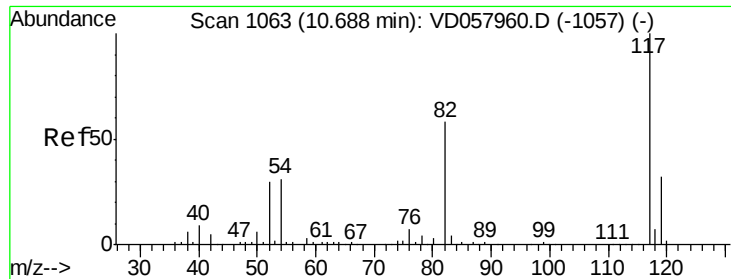
Tot Ion: 43 Resp: 6085
Ion Ratio Lower Upper
43 100
58 33.9 22.5 67.5



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.92 min Scan# 1188
Delta R.T. -0.01 min
Lab File: VD058028.D
Acq: 8 Jun 2018 20:03

Tgt Ion: 95 Resp: 394247
Ion Ratio Lower Upper
95 100
174 86.7 0.0 169.4
176 86.5 0.0 162.6

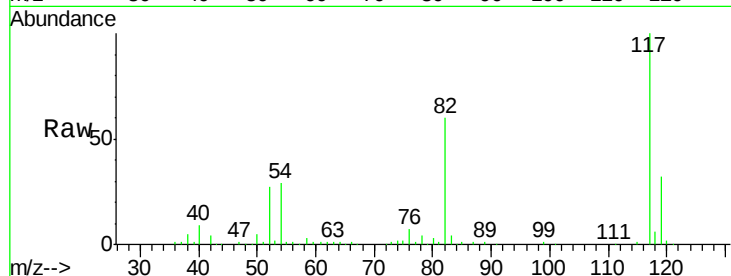




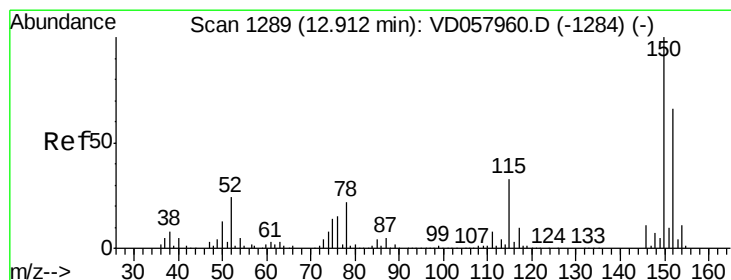
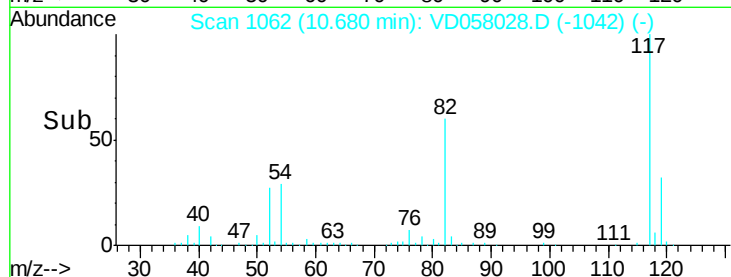
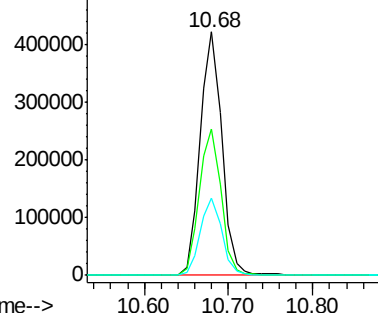
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.01 min
Lab File: VD058028.D
Acq: 8 Jun 2018 20:03

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 759120
Ion Ratio Lower Upper
117 100
82 60.2 46.8 70.2
119 31.9 25.8 38.6

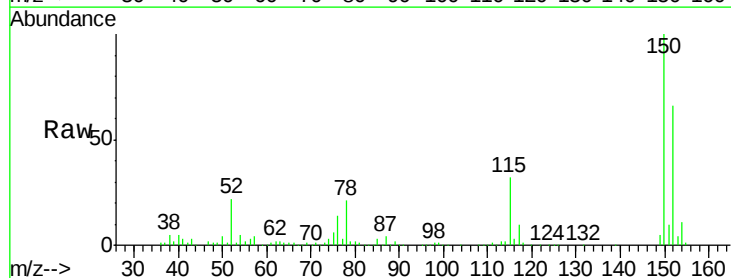


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

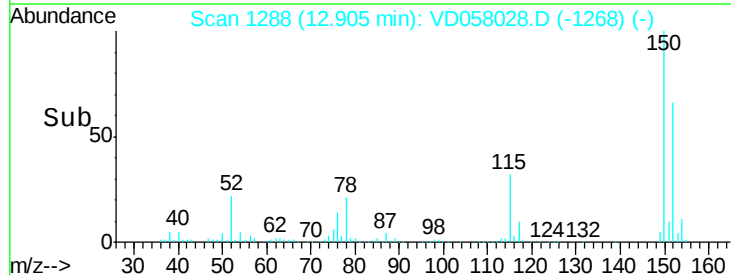
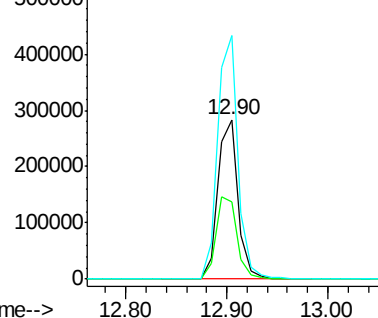


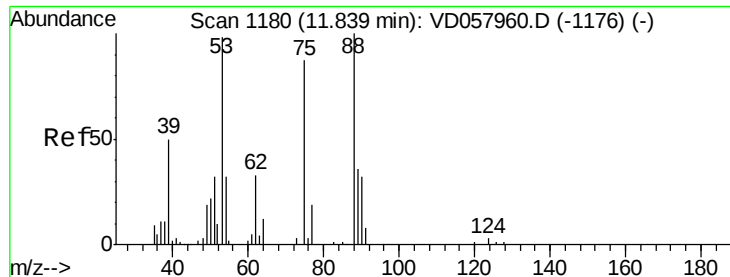
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VD058028.D
Acq: 8 Jun 2018 20:03

Tgt Ion:152 Resp: 394834
Ion Ratio Lower Upper
152 100
115 48.7 25.6 76.6
150 152.5 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: 132.194 ug/l

RT: 11.92 min Scan# 1188

Delta R.T. 0.08 min

Lab File: VD058028.D

Acq: 8 Jun 2018 20:03

Instrument :

MSVOA_D

ClientSampleId :

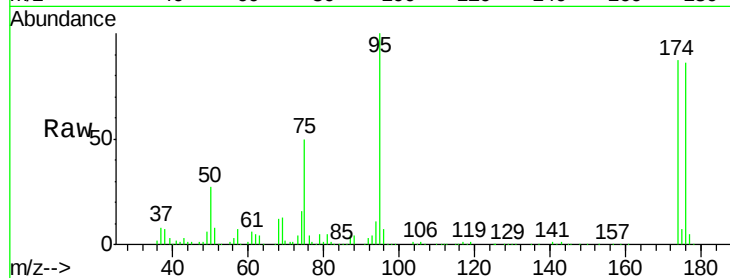
Tot Ion: 75 Resp: 194195

Ion Ratio Lower Upper

75 100

53 0.2 89.3 133.9#

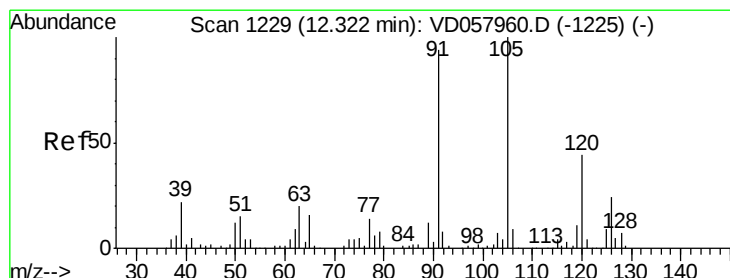
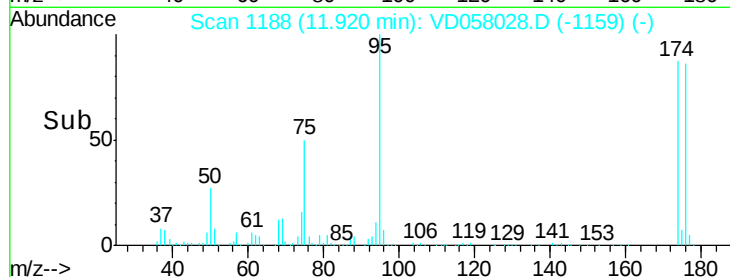
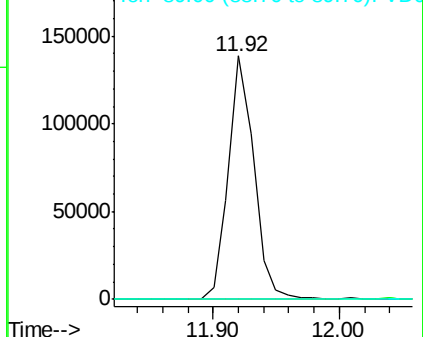
89 0.0 33.3 49.9#



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: VD058028.D

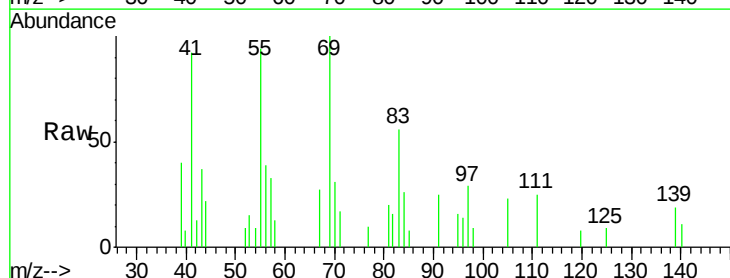
Acq: 8 Jun 2018 20:03

Tgt Ion: 91 Resp: 1884

Ion Ratio Lower Upper

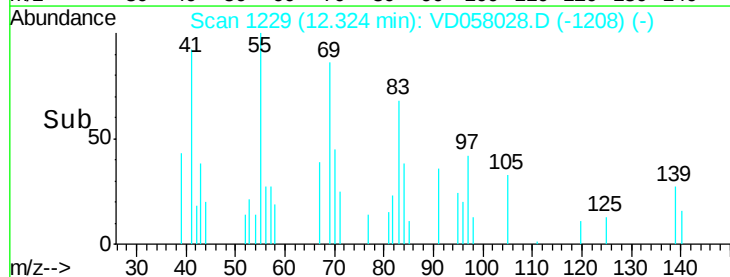
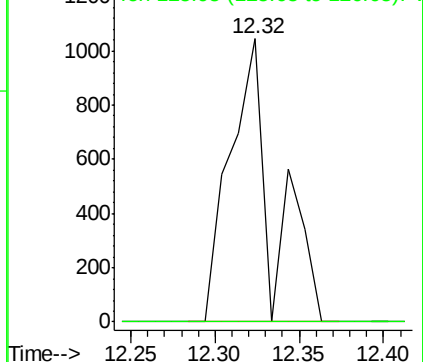
91 100

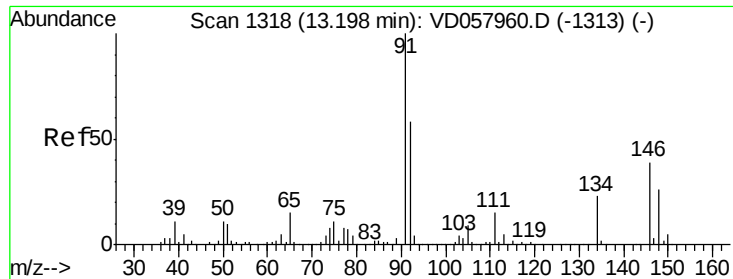
126 0.0 12.5 37.5#



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. -0.01 min
 Lab File: VD058028.D
 Acq: 8 Jun 2018 20:03

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 91 Resp: 5405
 Ion Ratio Lower Upper
 91 100
 92 42.0 29.2 87.6
 134 0.0 11.3 33.9#

