

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD060718\
 Data File : VD057976.D
 Acq On : 7 Jun 2018 17:18
 Operator : JC/SY
 Sample : J2688-03
 Misc : 5.88g/5ml/MSVOA_D/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-2(16.0)

Quant Time: Jun 08 06:49:38 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	549899	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.68	114	745033	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.68	117	597726	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	302352	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	323959	58.93	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	117.86%	
35) Dibromofluoromethane	5.54	113	352196	61.10	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	122.20%	
50) Toluene-d8	8.70	98	789224	57.59	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	115.18%	
62) 4-Bromofluorobenzene	11.92	95	333427	55.77	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	111.54%	

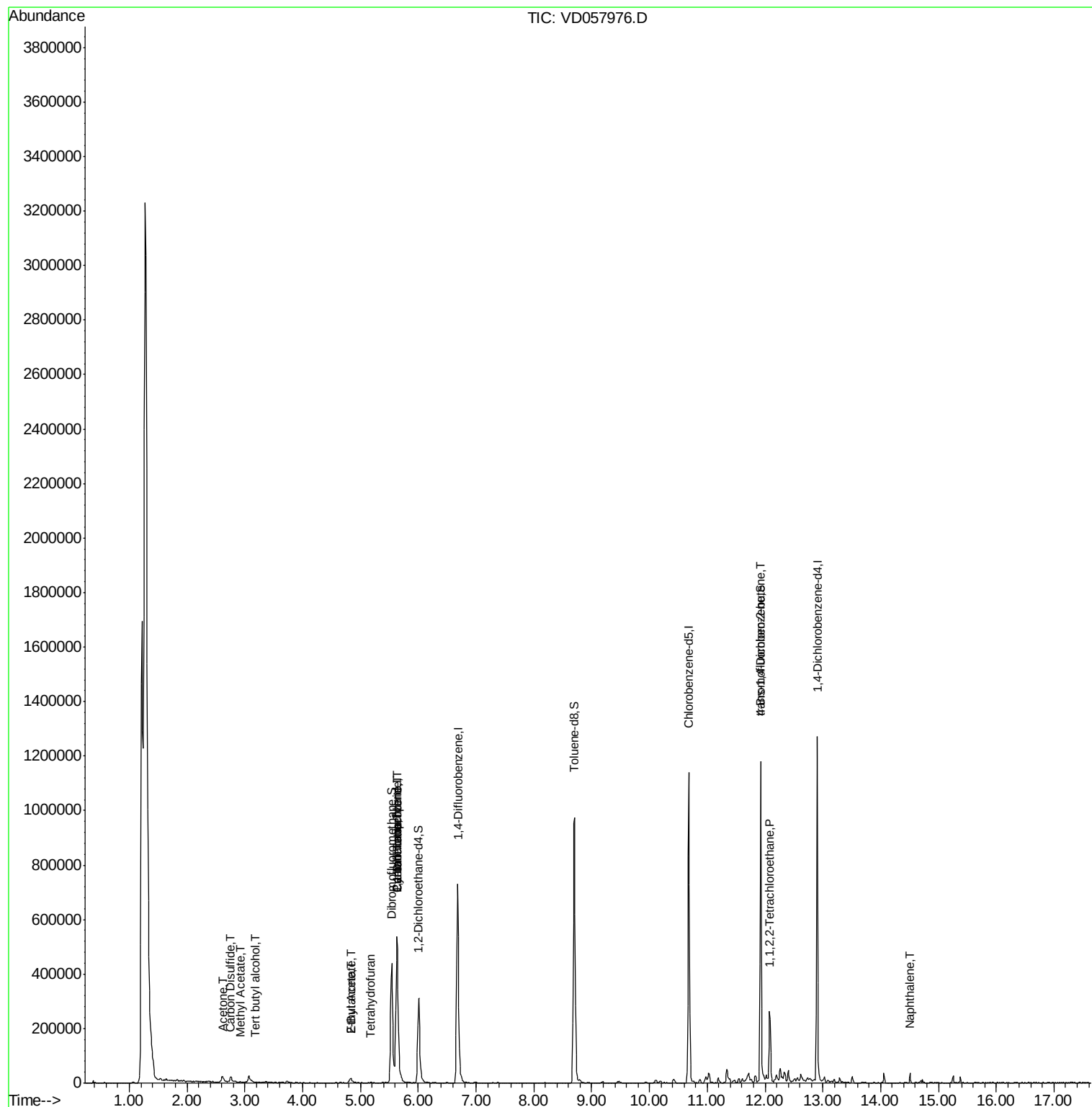
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.19	59	216	1.467	ug/l #	74
16) Acetone	2.61	43	50978	64.361	ug/l	96
17) Carbon Disulfide	2.76	76	29609	3.706	ug/l #	94
18) Methyl Acetate	2.92	43	1930	1.260	ug/l #	66
20) Methylene Chloride	3.07	84	10575	Below Cal	#	86
25) 2-Butanone	4.82	43	13170	7.316	ug/l	96
29) Tetrahydrofuran	5.18	42	2149	2.277	ug/l #	60
31) Cyclohexane	5.63	56	12834	1.343	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	45394	5.530	ug/l #	50
37) Ethyl Acetate	4.82	43	13170	2.940	ug/l #	72
38) Carbon Tetrachloride	5.63	117	45284	5.598	ug/l #	17
75) 1,1,2,2-Tetrachloroethane	12.08	83	14261	3.266	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.92	75	160544	142.715	ug/l #	6
82) 4-Chlorotoluene	12.31	91	1302	Below Cal		96
89) n-Butylbenzene	13.19	91	1250	Below Cal	#	80
95) Naphthalene	14.51	128	17806	1.824	ug/l #	88

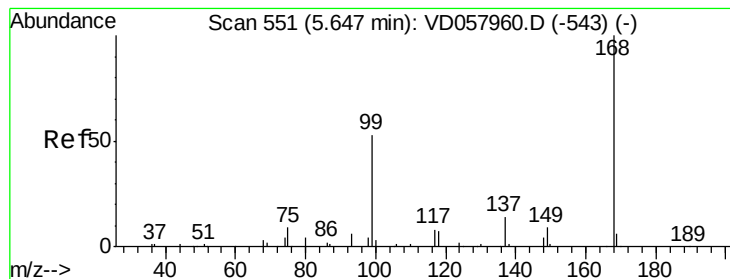
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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. -0.01 min

Lab File: VD057976.D

Acq: 7 Jun 2018 17:18

Instrument :

MSVOA_D

ClientSampleId :

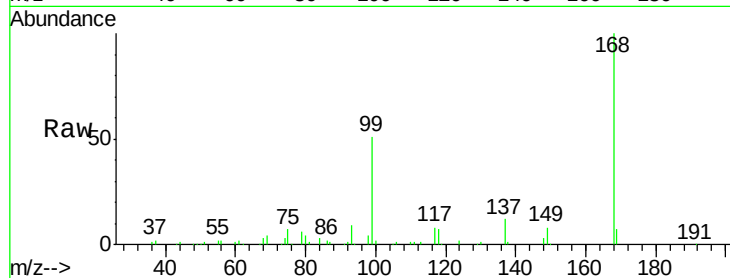
B-2(16.0)

Tgt Ion:168 Resp: 549899

Ion Ratio Lower Upper

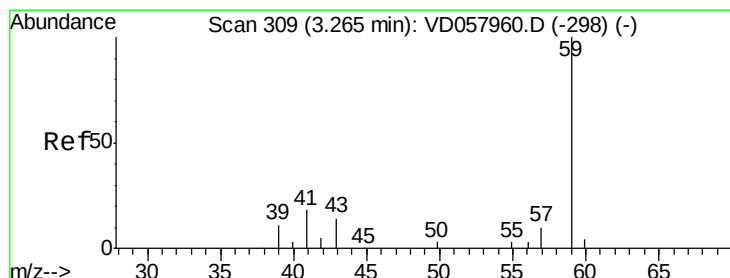
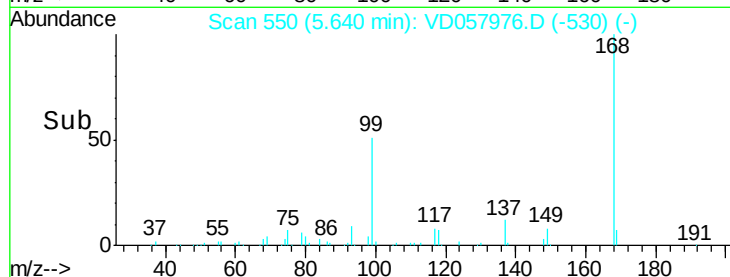
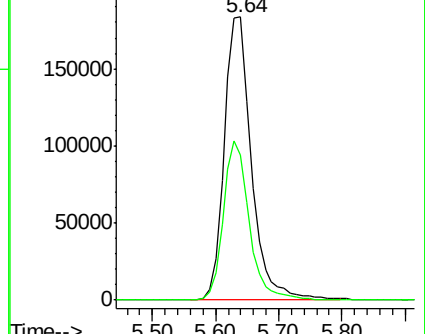
168 100

99 51.4 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: 1.467 ug/l

RT: 3.19 min Scan# 301

Delta R.T. -0.08 min

Lab File: VD057976.D

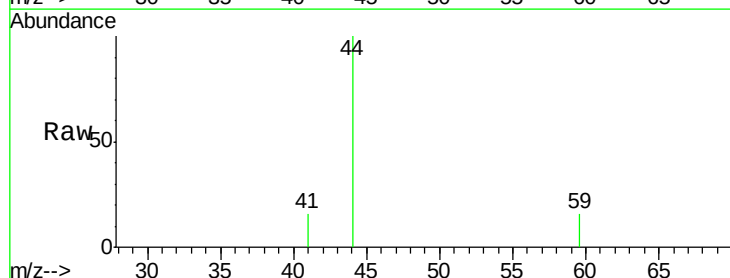
Acq: 7 Jun 2018 17:18

Tgt Ion: 59 Resp: 216

Ion Ratio Lower Upper

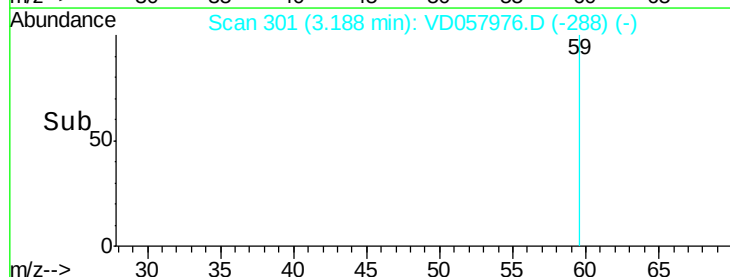
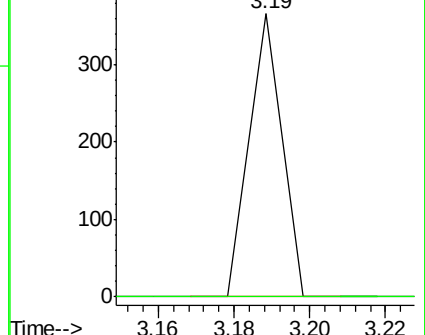
59 100

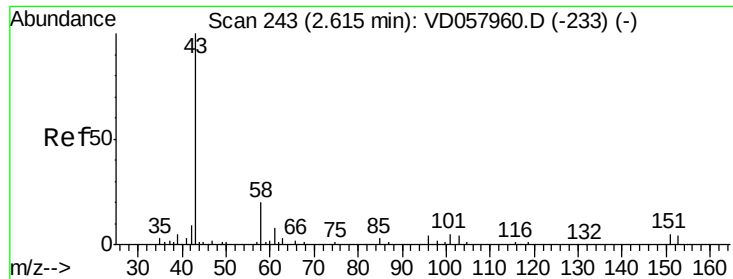
57 0.0 7.8 11.6#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 64.361 ug/l

RT: 2.61 min Scan# 242

Delta R.T. -0.01 min

Lab File: VD057976.D

Acq: 7 Jun 2018 17:18

Instrument :

MSVOA_D

ClientSampleId :

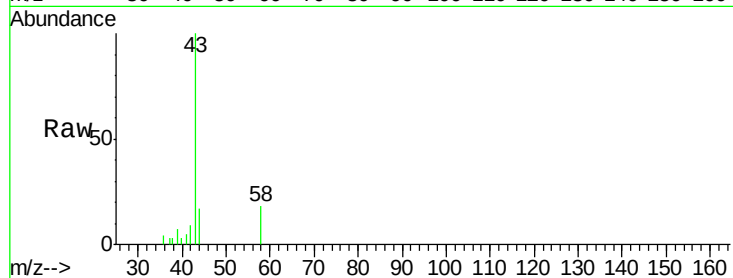
B-2(16.0)

Tgt Ion: 43 Resp: 50978

Ion Ratio Lower Upper

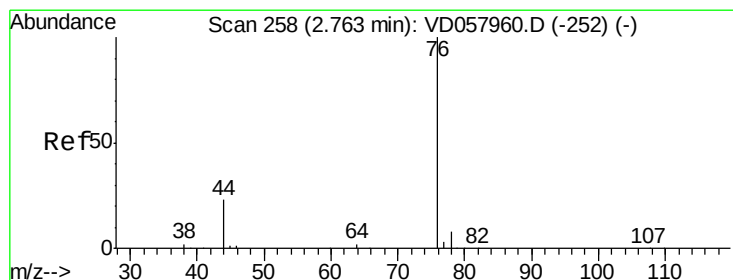
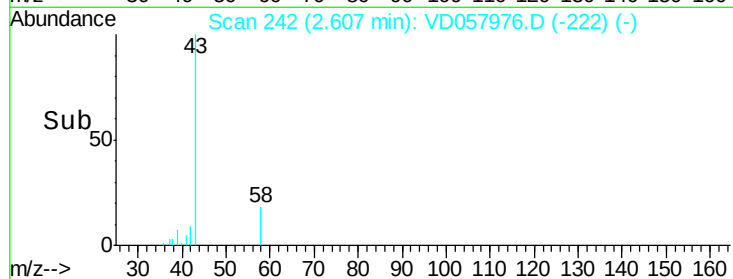
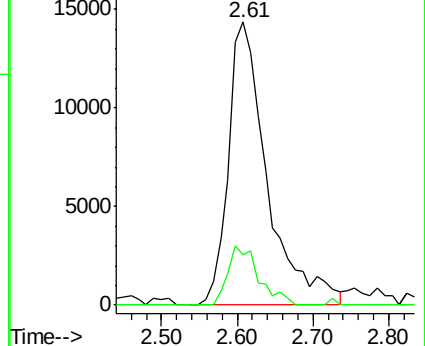
43 100

58 17.8 15.8 23.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#17

Carbon Disulfide

Concen: 3.706 ug/l

RT: 2.76 min Scan# 257

Delta R.T. -0.01 min

Lab File: VD057976.D

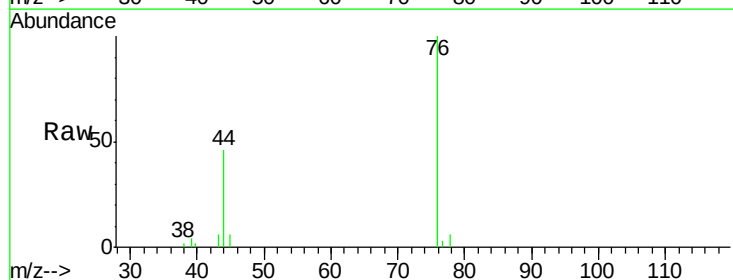
Acq: 7 Jun 2018 17:18

Tgt Ion: 76 Resp: 29609

Ion Ratio Lower Upper

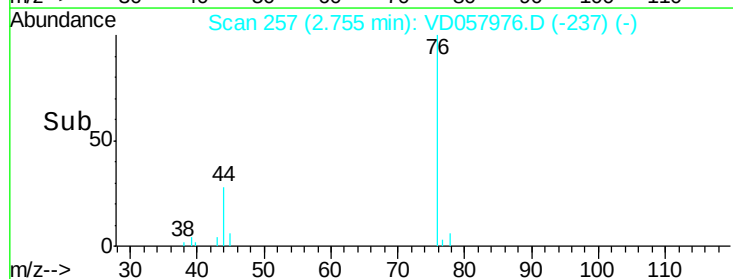
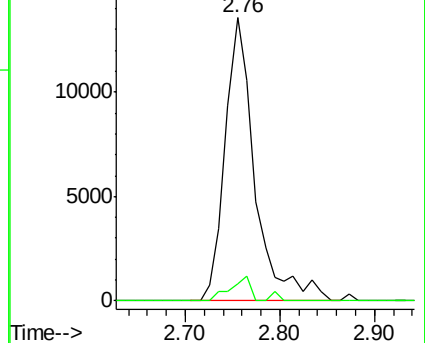
76 100

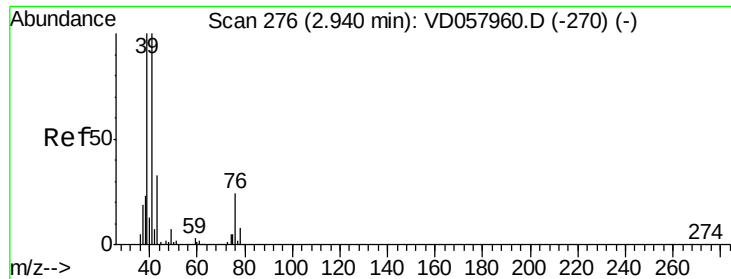
78 6.2 6.7 10.1#



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

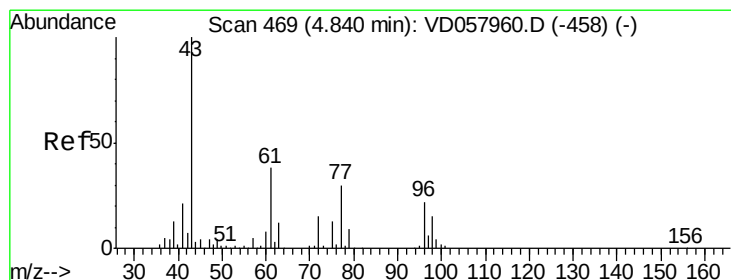
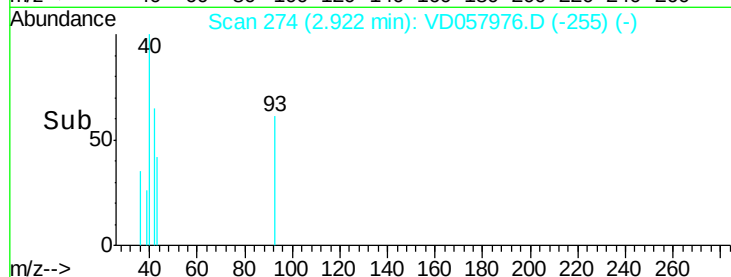
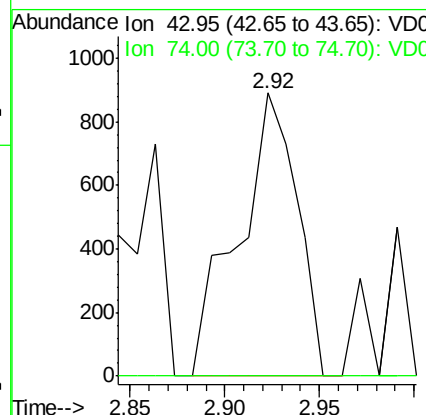
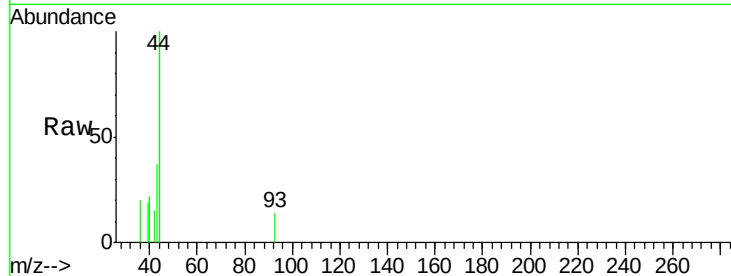




#18
Methyl Acetate
Concen: 1.260 ug/l
RT: 2.92 min Scan# 274
Delta R.T. -0.02 min
Lab File: VD057976.D
Acq: 7 Jun 2018 17:18

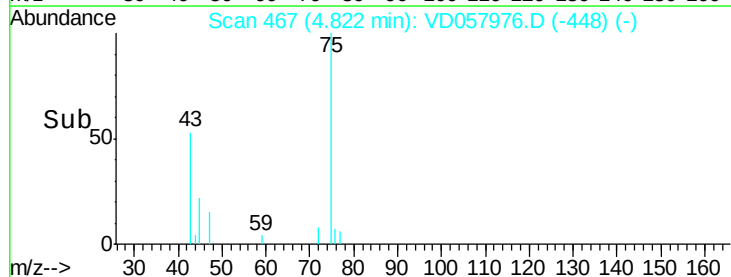
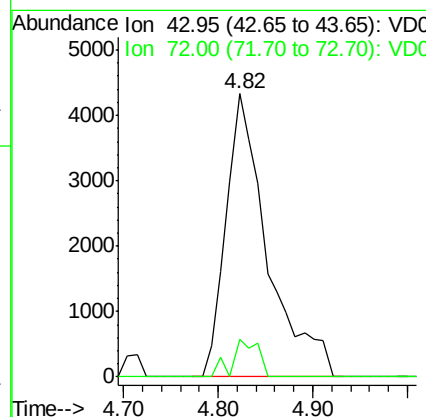
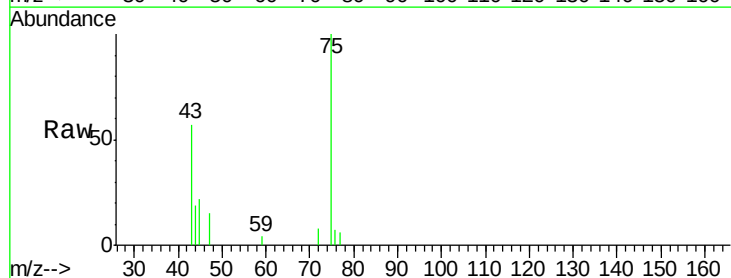
Instrument :
MSVOA_D
ClientSampleId :
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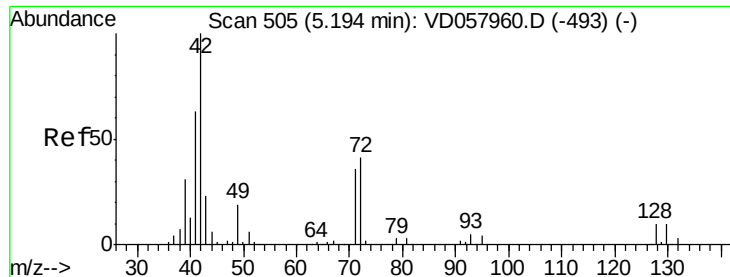
Tgt Ion: 43 Resp: 1930
Ion Ratio Lower Upper
43 100
74 0.0 11.2 16.8#



#25
2-Butanone
Concen: 7.316 ug/l
RT: 4.82 min Scan# 467
Delta R.T. -0.02 min
Lab File: VD057976.D
Acq: 7 Jun 2018 17:18

Tgt Ion: 43 Resp: 13170
Ion Ratio Lower Upper
43 100
72 13.4 12.0 18.0

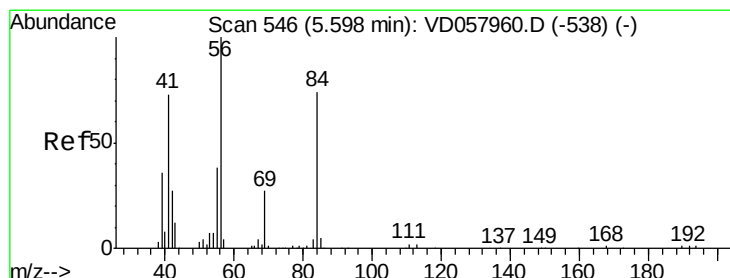
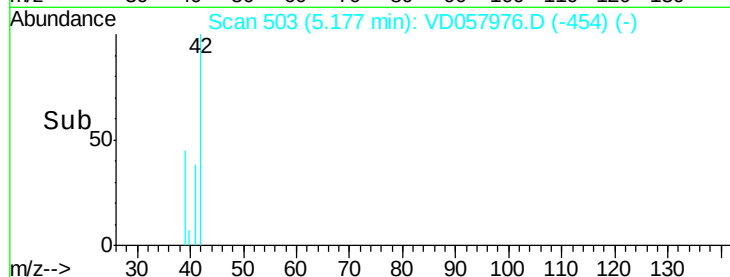
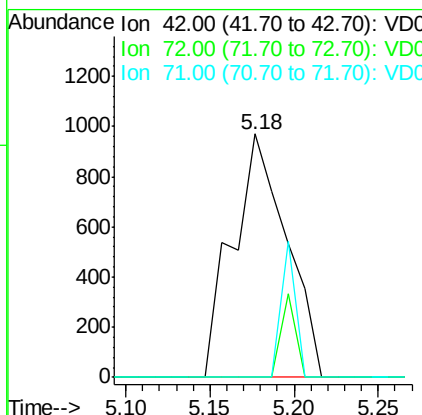
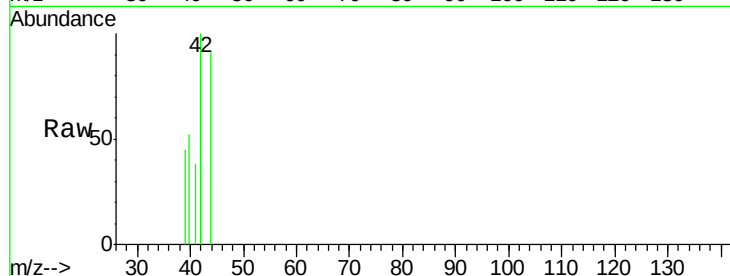




#29
Tetrahydrofuran
Concen: 2.277 ug/l
RT: 5.18 min Scan# 503
Delta R.T. -0.02 min
Lab File: VD057976.D
Acq: 7 Jun 2018 17:18

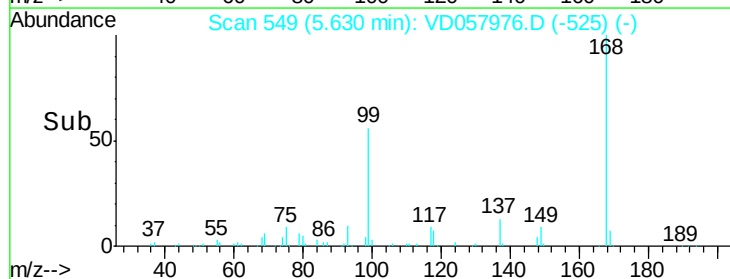
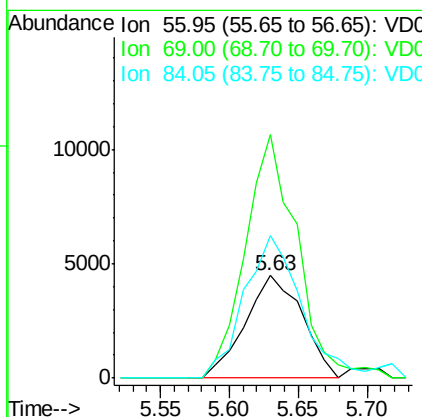
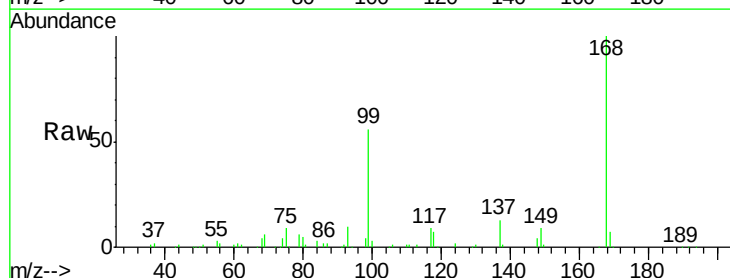
Instrument :
MSVOA_D
ClientSampleId :
B-2(16.0)

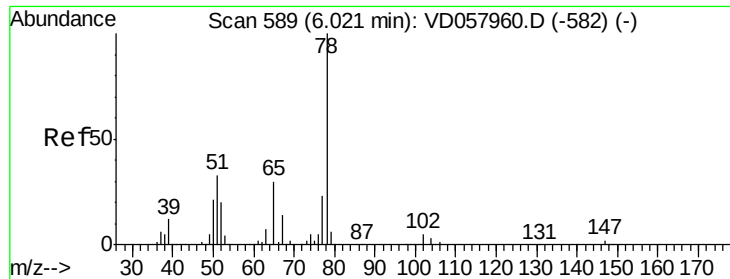
Tgt Ion: 42 Resp: 2149
Ion Ratio Lower Upper
42 100
72 9.2 28.5 42.7#
71 14.9 27.9 41.9#



#31
Cyclohexane
Concen: 1.343 ug/l
RT: 5.63 min Scan# 549
Delta R.T. 0.03 min
Lab File: VD057976.D
Acq: 7 Jun 2018 17:18

Tgt Ion: 56 Resp: 12834
Ion Ratio Lower Upper
56 100
69 237.9 21.5 32.3#
84 138.8 61.0 91.6#

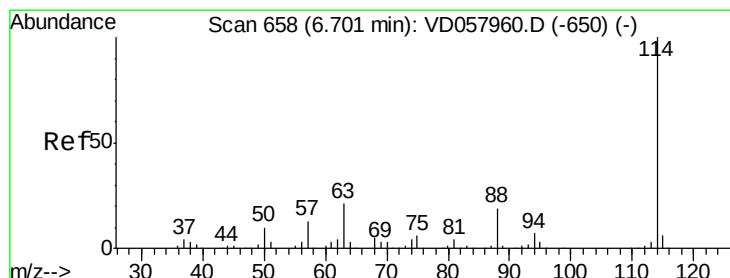
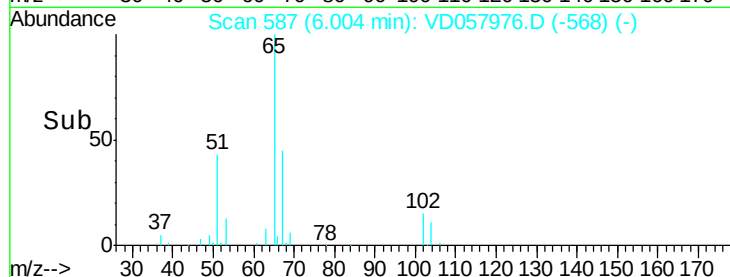
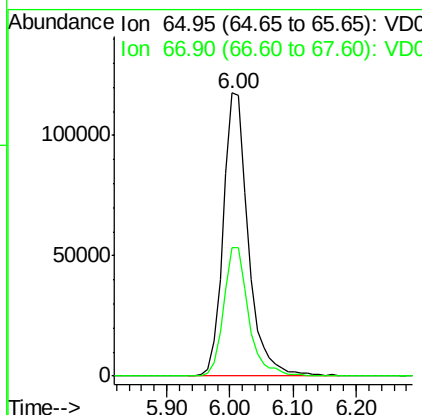
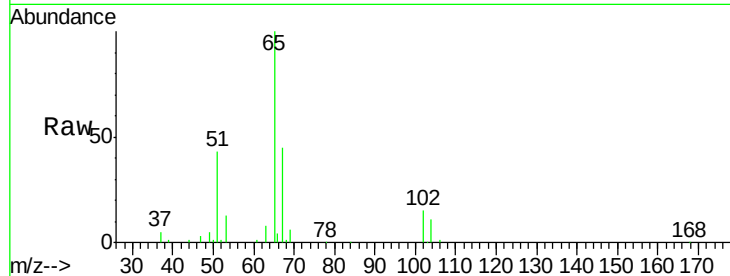




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.00 min Scan# 587
 Delta R.T. -0.02 min
 Lab File: VD057976.D
 Acq: 7 Jun 2018 17:18

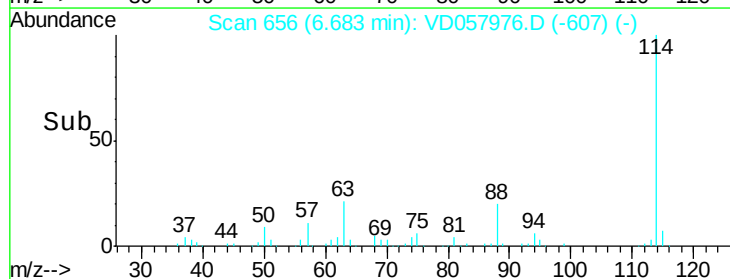
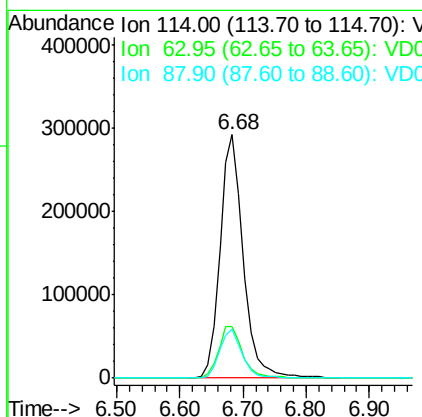
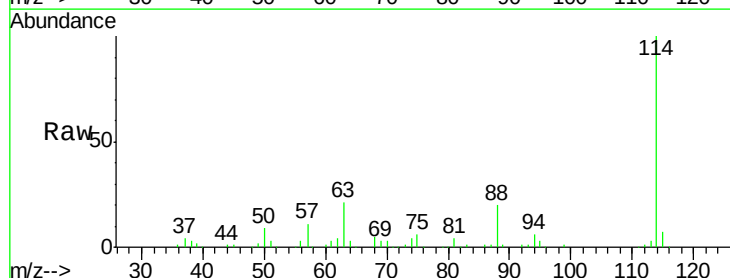
Instrument :
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 ClientSampleId :
 B-2(16.0)

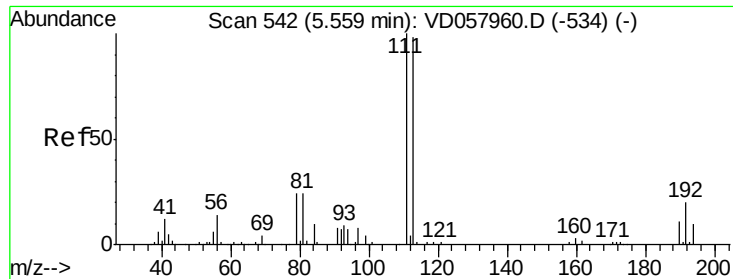
Tgt Ion: 65 Resp: 323959
 Ion Ratio Lower Upper
 65 100
 67 45.4 0.0 94.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.68 min Scan# 656
 Delta R.T. -0.02 min
 Lab File: VD057976.D
 Acq: 7 Jun 2018 17:18

Tgt Ion: 114 Resp: 745033
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 42.8
 88 20.4 0.0 37.8

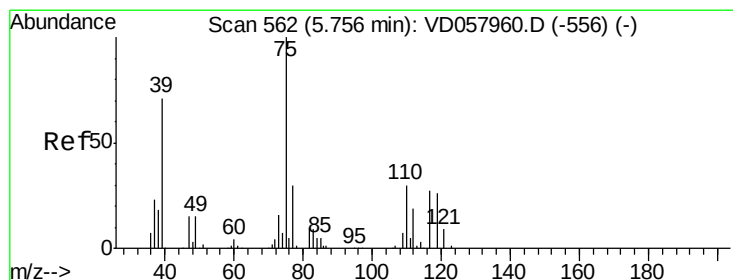
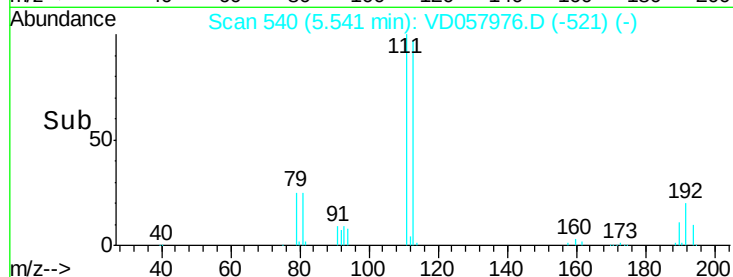
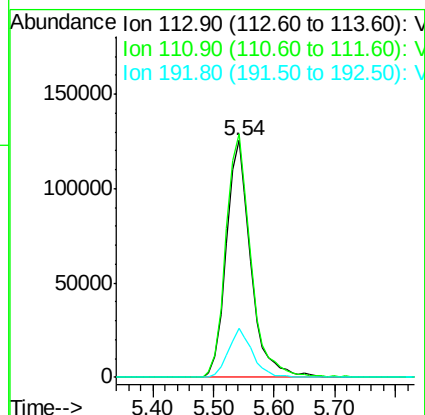
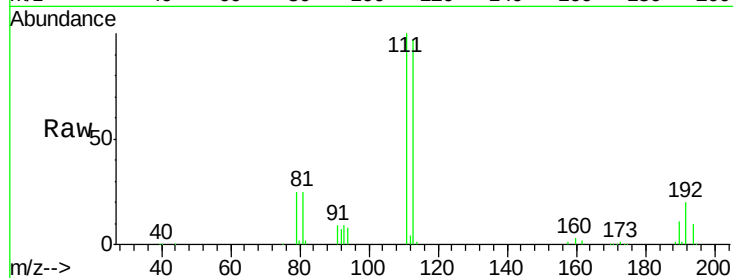




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.54 min Scan# 540
 Delta R.T. -0.02 min
 Lab File: VD057976.D
 Acq: 7 Jun 2018 17:18

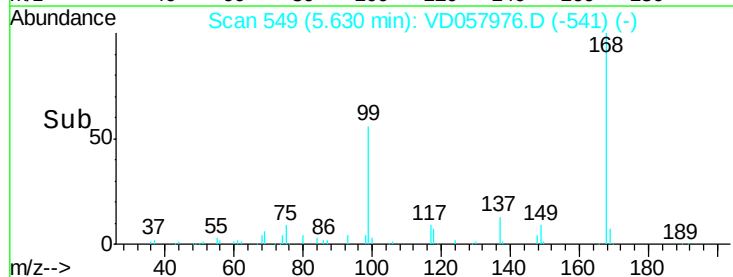
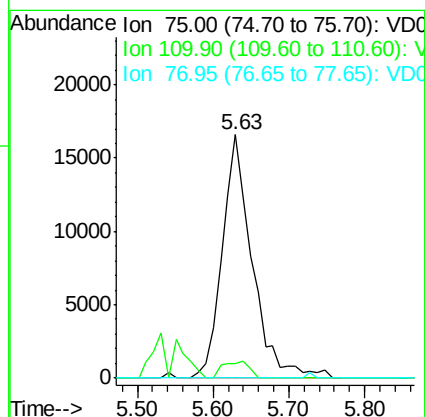
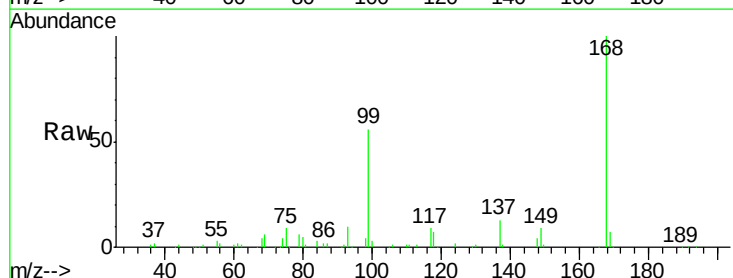
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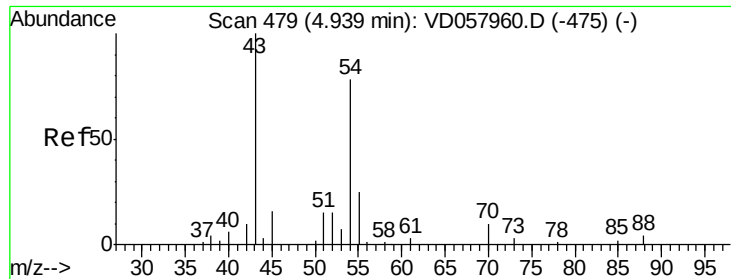
Tgt Ion:113 Resp: 352196
 Ion Ratio Lower Upper
 113 100
 111 102.7 81.5 122.3
 192 20.6 16.4 24.6



#36
 1,1-Dichloropropene
 Concen: 5.530 ug/l
 RT: 5.63 min Scan# 549
 Delta R.T. -0.13 min
 Lab File: VD057976.D
 Acq: 7 Jun 2018 17:18

Tgt Ion: 75 Resp: 45394
 Ion Ratio Lower Upper
 75 100
 110 6.0 14.8 44.3#
 77 0.0 23.9 35.9#

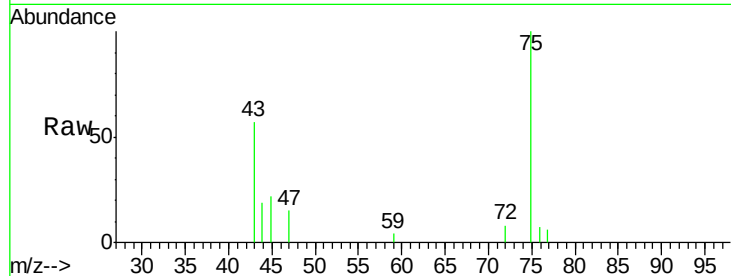




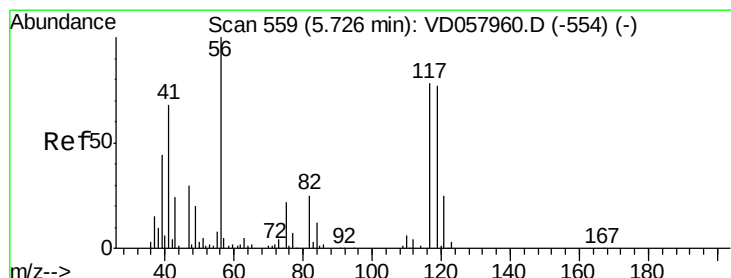
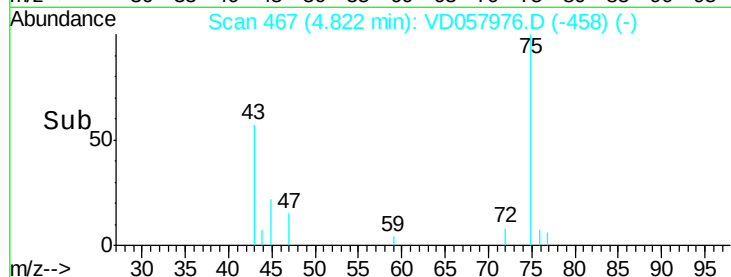
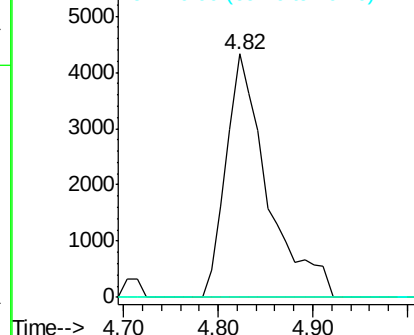
#37
Ethyl Acetate
Concen: 2.940 ug/l
RT: 4.82 min Scan# 467
Delta R.T. -0.12 min
Lab File: VD057976.D
Acq: 7 Jun 2018 17:18

Instrument :
MSVOA_D
ClientSampleId :
B-2(16.0)

Tgt Ion: 43 Resp: 13170
Ion Ratio Lower Upper
43 100
61 0.0 9.9 14.9#
70 0.0 5.7 8.5#

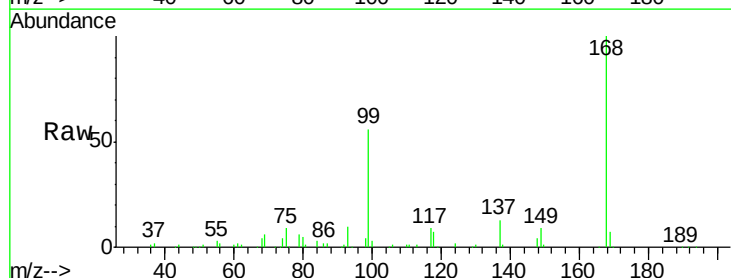


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

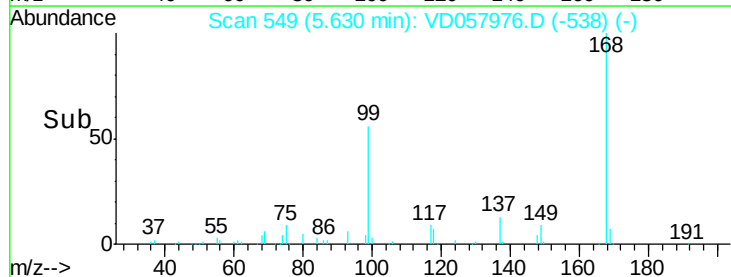
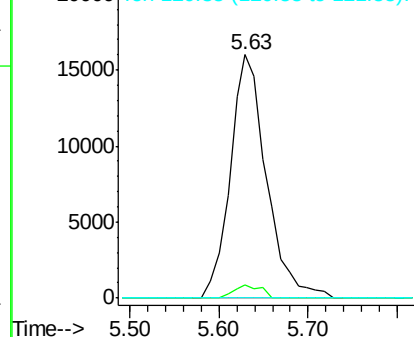


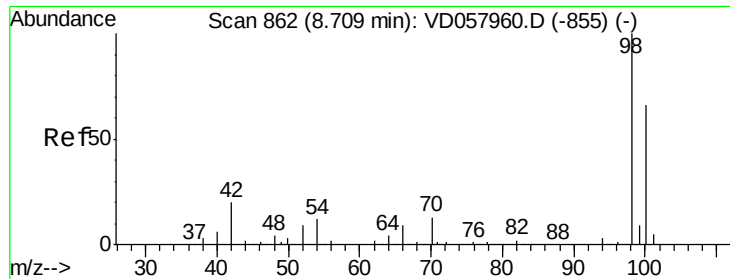
#38
Carbon Tetrachloride
Concen: 5.598 ug/l
RT: 5.63 min Scan# 549
Delta R.T. -0.10 min
Lab File: VD057976.D
Acq: 7 Jun 2018 17:18

Tgt Ion: 117 Resp: 45284
Ion Ratio Lower Upper
117 100
119 5.5 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

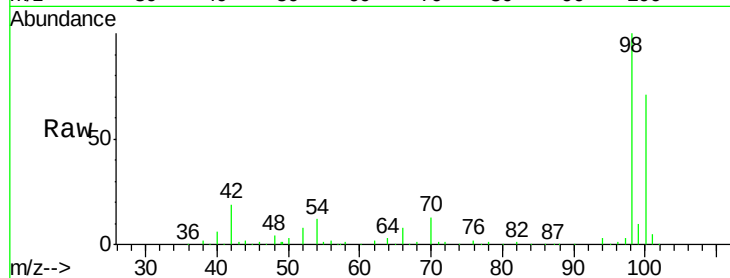




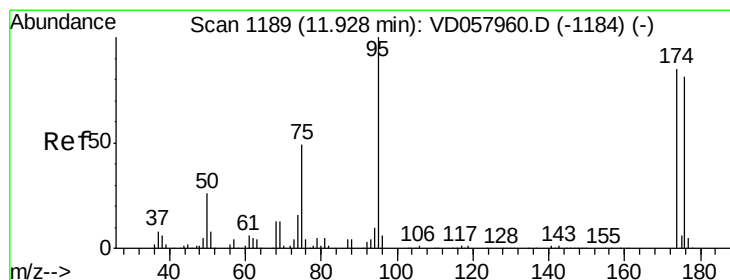
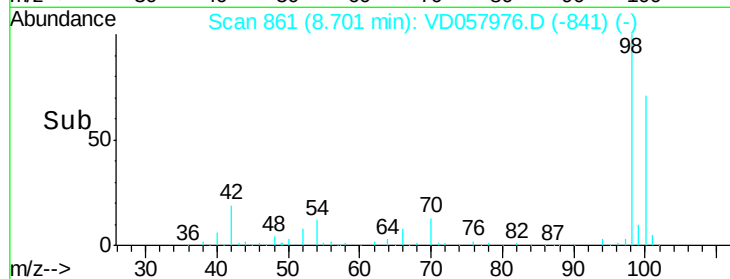
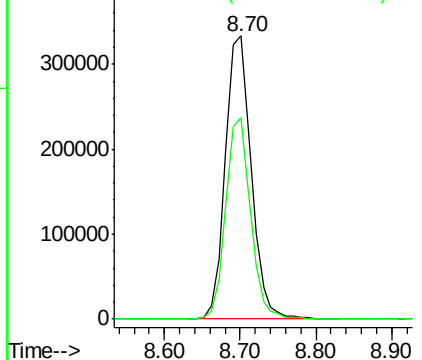
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.70 min Scan# 861
Delta R.T. -0.01 min
Lab File: VD057976.D
Acq: 7 Jun 2018 17:18

Instrument :
MSVOA_D
ClientSampleId :
B-2(16.0)

Tgt Ion: 98 Resp: 789224
Ion Ratio Lower Upper
98 100
100 71.1 53.4 80.0

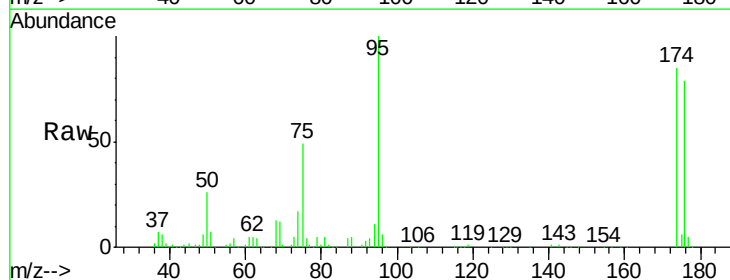


Abundance Ion 98.05 (97.75 to 98.75): VD0
Ion 100.05 (99.75 to 100.75): VD

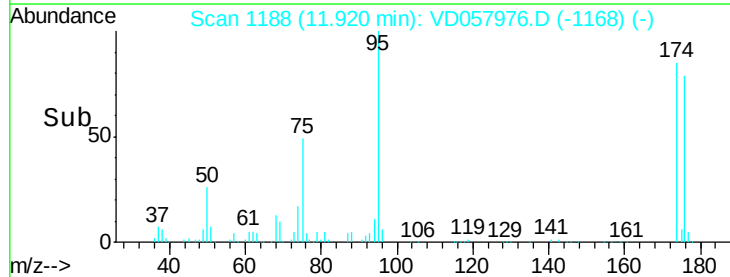
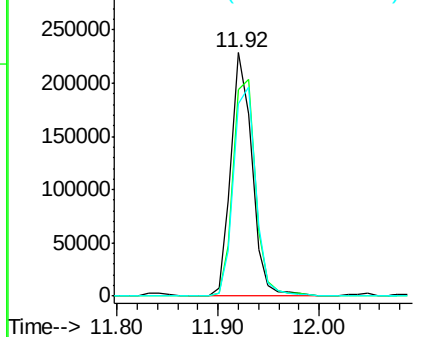


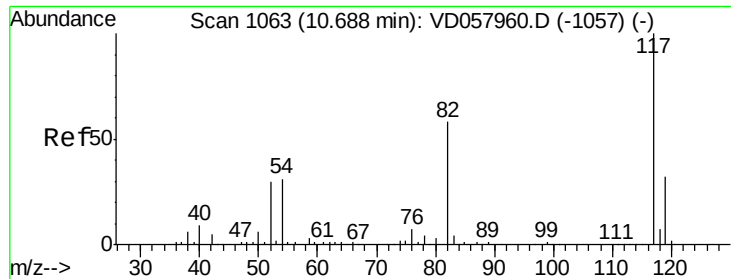
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.92 min Scan# 1188
Delta R.T. -0.01 min
Lab File: VD057976.D
Acq: 7 Jun 2018 17:18

Tgt Ion: 95 Resp: 333427
Ion Ratio Lower Upper
95 100
174 84.7 0.0 169.4
176 79.0 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

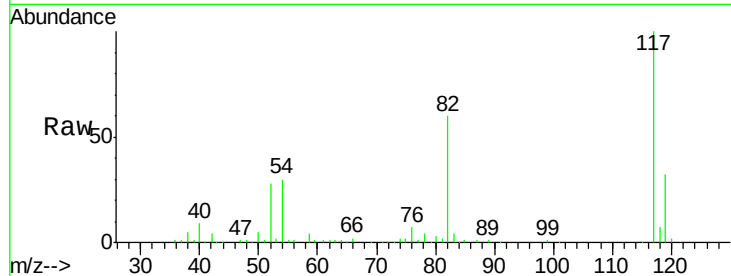




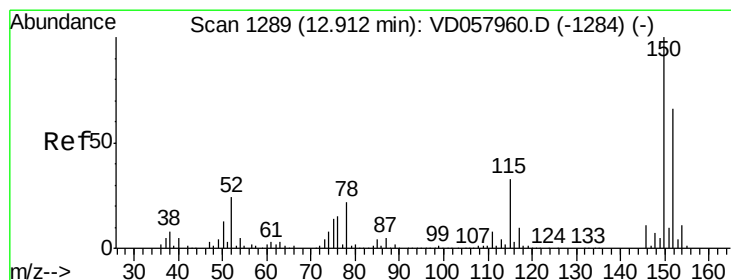
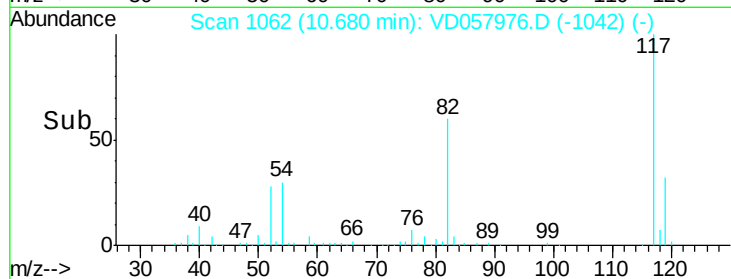
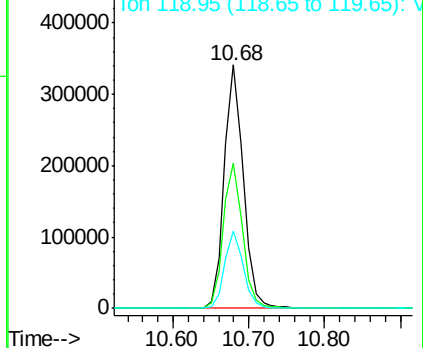
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.01 min
Lab File: VD057976.D
Acq: 7 Jun 2018 17:18

Instrument :
MSVOA_D
ClientSampleId :
B-2(16.0)

Tgt Ion:117 Resp: 597726
Ion Ratio Lower Upper
117 100
82 59.8 46.8 70.2
119 32.0 25.8 38.6

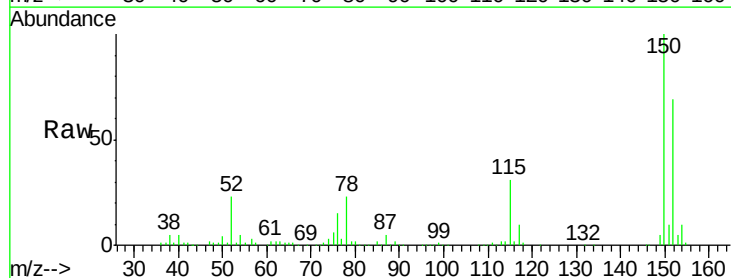


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

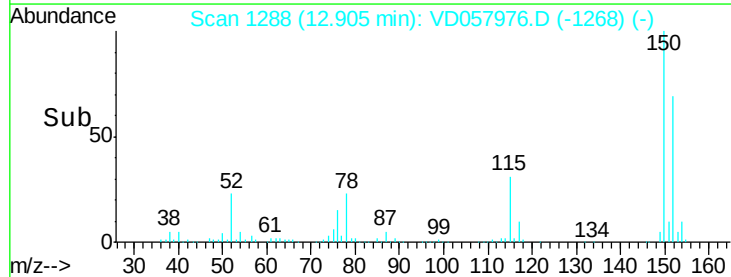
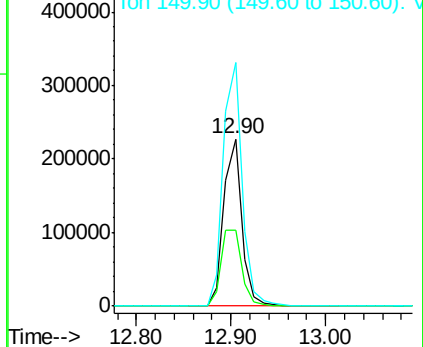


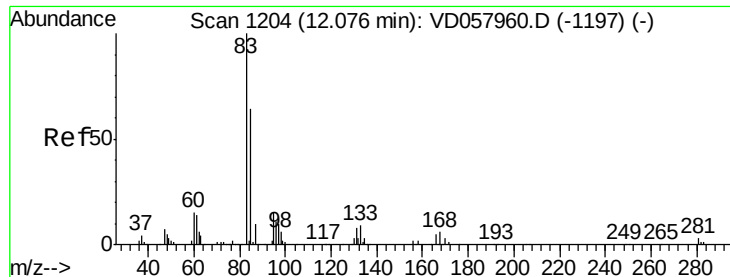
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VD057976.D
Acq: 7 Jun 2018 17:18

Tgt Ion:152 Resp: 302352
Ion Ratio Lower Upper
152 100
115 45.8 25.6 76.6
150 145.5 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





#75

1,1,2,2-Tetrachloroethane

Concen: 3.266 ug/l

RT: 12.08 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VD057976.D

Acq: 7 Jun 2018 17:18

Instrument :

MSVOA_D

ClientSampleId :

B-2(16.0)

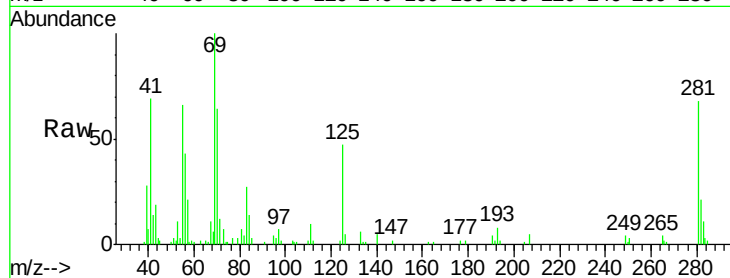
Tgt Ion: 83 Resp: 14261

Ion Ratio Lower Upper

83 100

131 0.0 4.2 12.6#

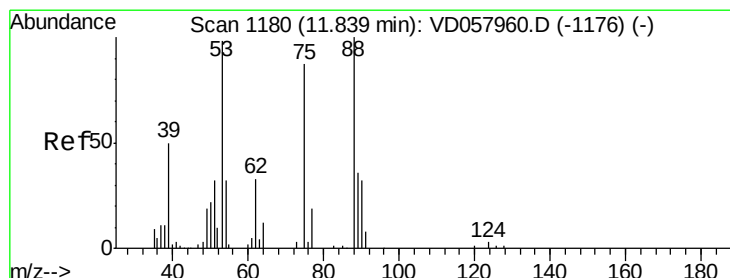
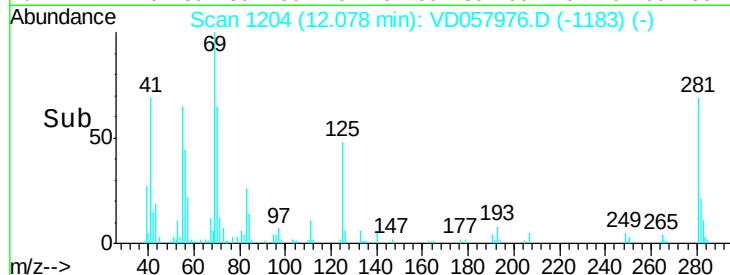
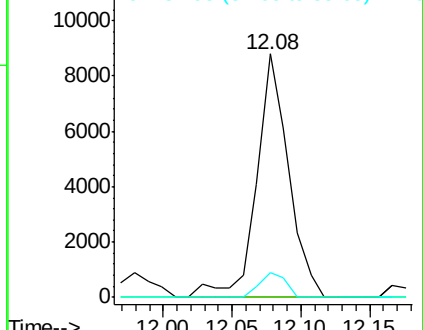
85 10.1 31.9 95.5#



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 142.715 ug/l

RT: 11.92 min Scan# 1188

Delta R.T. 0.08 min

Lab File: VD057976.D

Acq: 7 Jun 2018 17:18

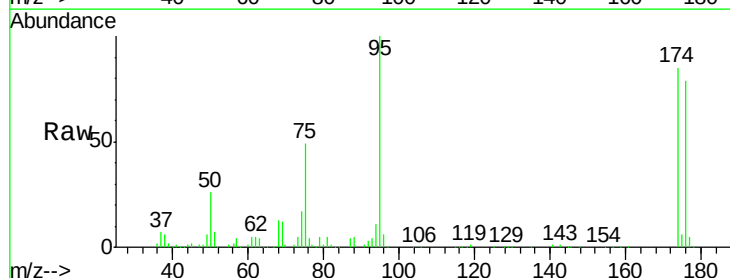
Tgt Ion: 75 Resp: 160544

Ion Ratio Lower Upper

75 100

53 0.0 89.3 133.9#

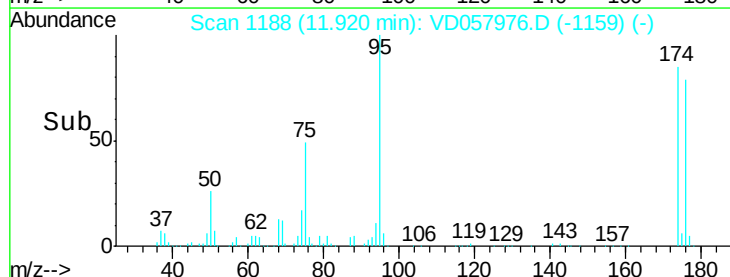
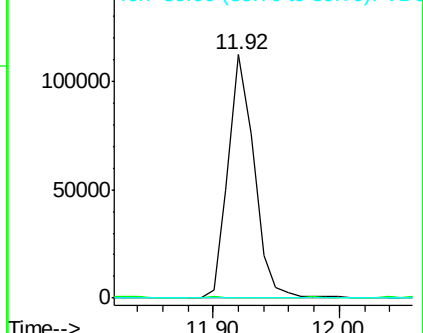
89 0.0 33.3 49.9#

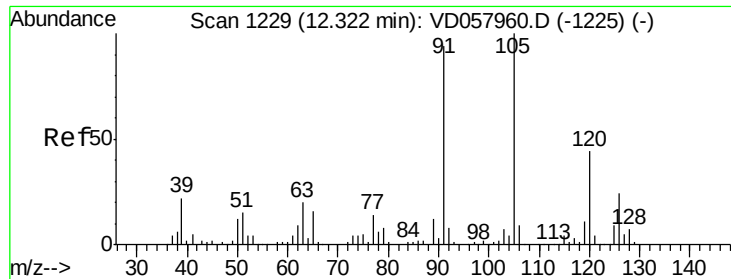


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

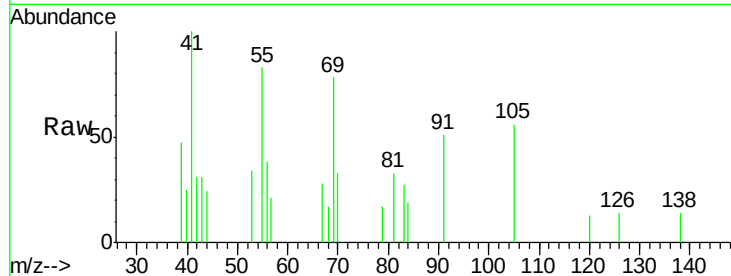




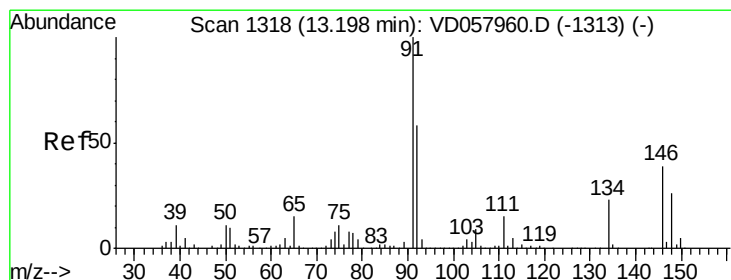
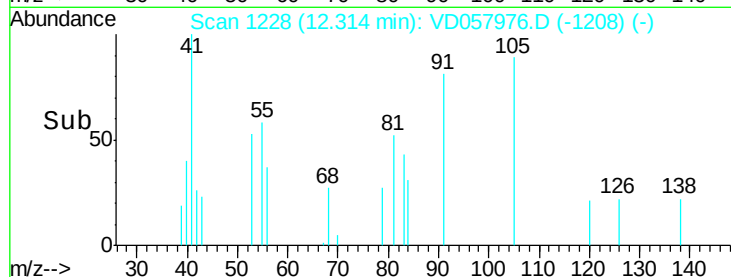
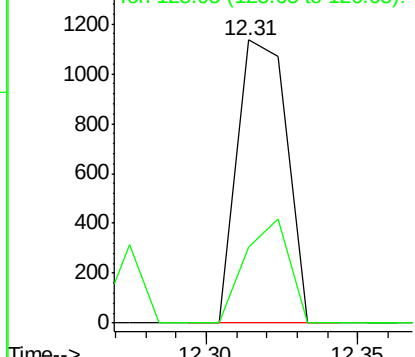
#82
4-Chlorotoluene
Concen: Below Cal
RT: 12.31 min Scan# 1228
Delta R.T. -0.01 min
Lab File: VD057976.D
Acq: 7 Jun 2018 17:18

Instrument :
MSVOA_D
ClientSampleId :
B-2(16.0)

Tgt Ion: 91 Resp: 1302
Ion Ratio Lower Upper
91 100
126 27.0 12.5 37.5

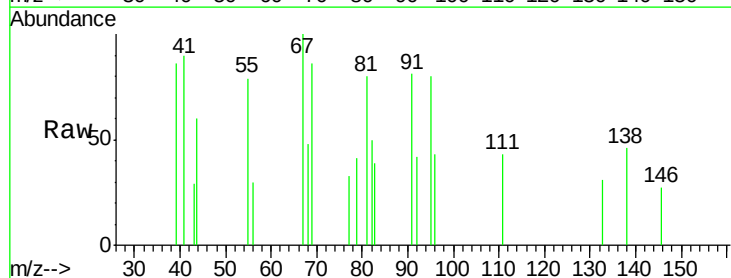


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V

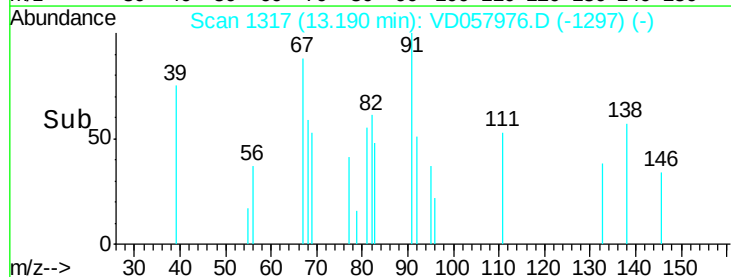
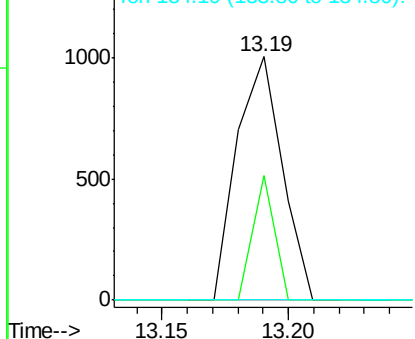


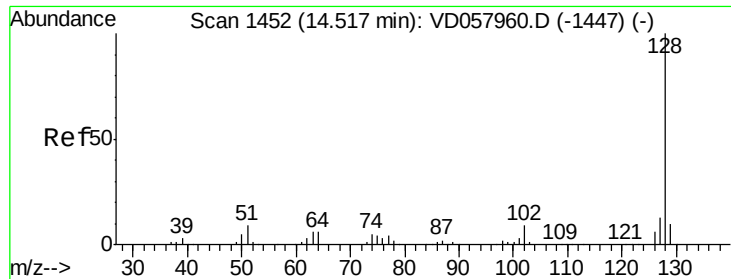
#89
n-Butylbenzene
Concen: Below Cal
RT: 13.19 min Scan# 1317
Delta R.T. -0.01 min
Lab File: VD057976.D
Acq: 7 Jun 2018 17:18

Tgt Ion: 91 Resp: 1250
Ion Ratio Lower Upper
91 100
92 51.2 29.2 87.6
134 0.0 11.3 33.9#



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V





#95
 Naphthalene
 Concen: 1.824 ug/l
 RT: 14.51 min Scan# 1451
 Delta R.T. -0.01 min
 Lab File: VD057976.D
 Acq: 7 Jun 2018 17:18

Instrument :
 MSVOA_D
 ClientSampleId :
 B-2(16.0)

Tgt Ion:128 Resp: 17806
 Ion Ratio Lower Upper
 128 100
 127 17.6 10.2 15.2#
 129 14.2 8.2 12.2#

