

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061418\
 Data File : VD058150.D
 Acq On : 14 Jun 2018 22:03
 Operator : VA/AP
 Sample : J3241-09
 Misc : 5.90q/5ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 15 06:06:44 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

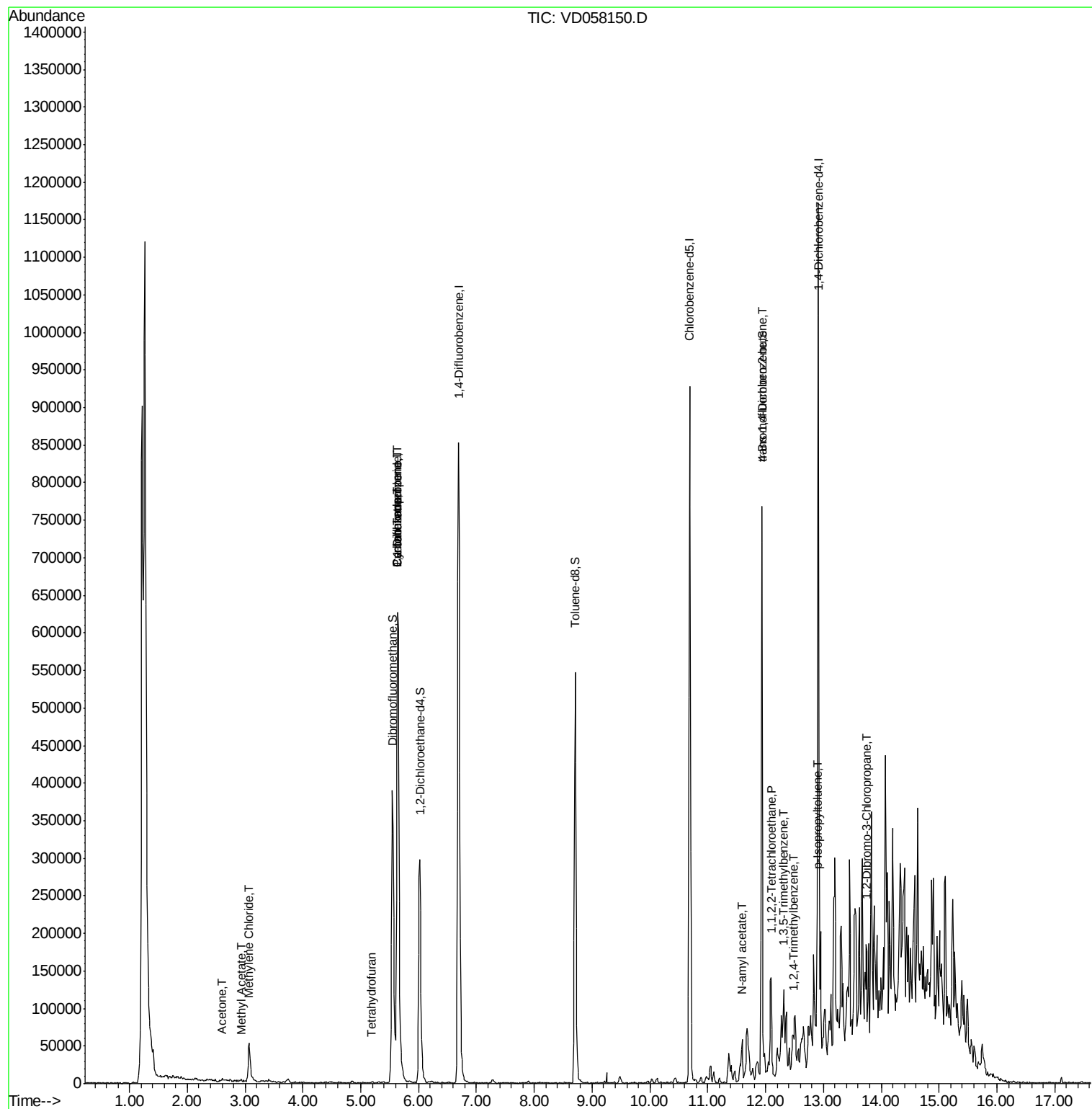
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	624023	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	842507	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.69	117	499599	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	254343	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.02	65	299347	47.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.96%	
35) Dibromofluoromethane	5.55	113	312818	47.99	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	95.98%	
50) Toluene-d8	8.71	98	405144	26.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	52.28%	
62) 4-Bromofluorobenzene	11.93	95	221472	32.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	65.52%	
Target Compounds						
					Qvalue	
16) Acetone	2.60	43	3565	3.966	ug/l #	81
18) Methyl Acetate	2.93	43	2731	1.571	ug/l #	66
20) Methylene Chloride	3.07	84	24356	4.058	ug/l #	88
29) Tetrahydrofuran	5.18	42	1214	1.134	ug/l #	56
31) Cyclohexane	5.65	56	18577	1.712	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	53099	5.721	ug/l #	50
38) Carbon Tetrachloride	5.64	117	51782	5.661	ug/l #	16
74) N-amyl acetate	11.59	43	8602	1.323	ug/l #	47
75) 1,1,2,2-Tetrachloroethane	12.09	83	7197	1.959	ug/l #	53
80) 1,3,5-Trimethylbenzene	12.32	105	23753	1.808	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.93	75	108764	114.936	ug/l #	6
82) 4-Chlorotoluene	12.32	91	3851	Below Cal	#	50
84) 1,2,4-Trimethylbenzene	12.47	105	17708	1.254	ug/l	83
86) p-Isopropyltoluene	12.88	119	20575	1.426	ug/l	93
89) n-Butylbenzene	13.18	91	19842	Below Cal	#	1
92) 1,2-Dibromo-3-Chloropropan	13.75	75	695	1.226	ug/l #	11

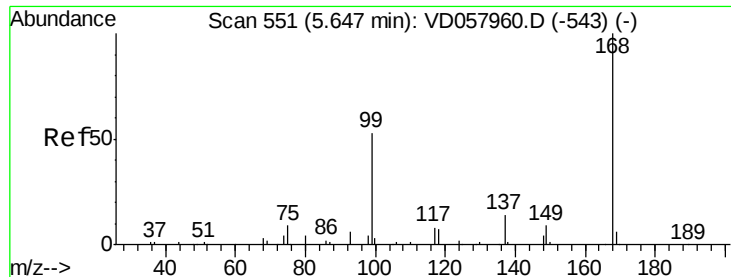
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.65 min Scan# 551

Delta R.T. -0.00 min

Lab File: VD058150.D

Acq: 14 Jun 2018 22:03

Instrument :

MSVOA_D

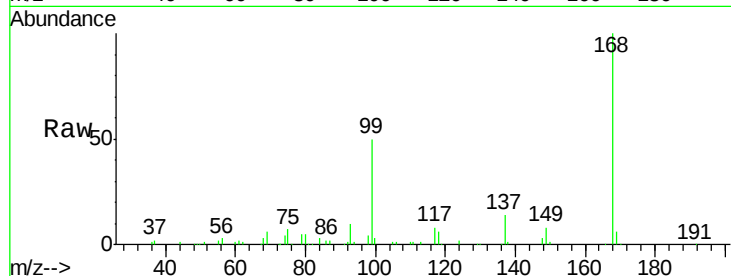
ClientSampleId :

Tot Ion:168 Resp: 624023

Ion Ratio Lower Upper

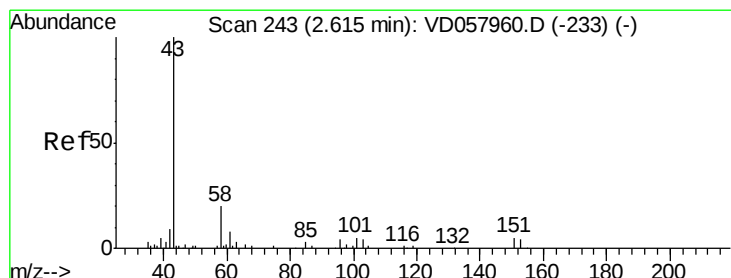
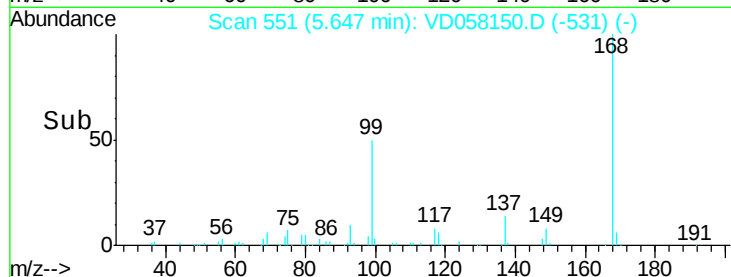
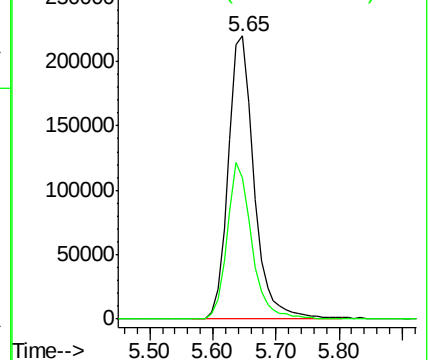
168 100

99 49.9 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 3.966 ug/l

RT: 2.60 min Scan# 242

Delta R.T. -0.01 min

Lab File: VD058150.D

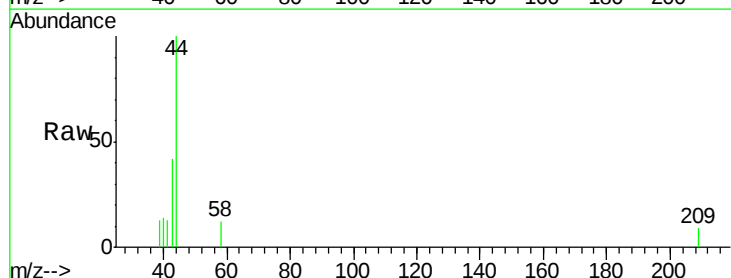
Acq: 14 Jun 2018 22:03

Tgt Ion: 43 Resp: 3565

Ion Ratio Lower Upper

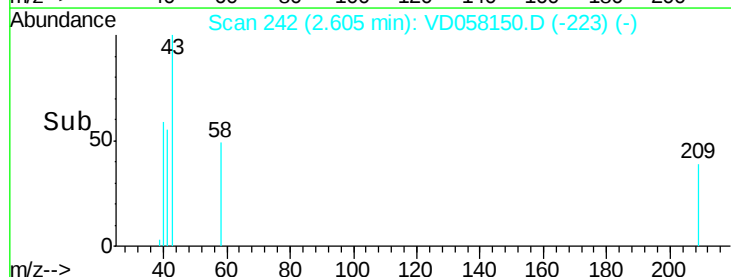
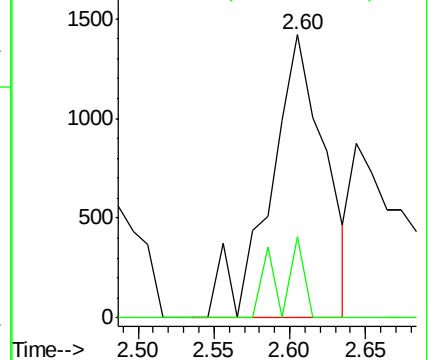
43 100

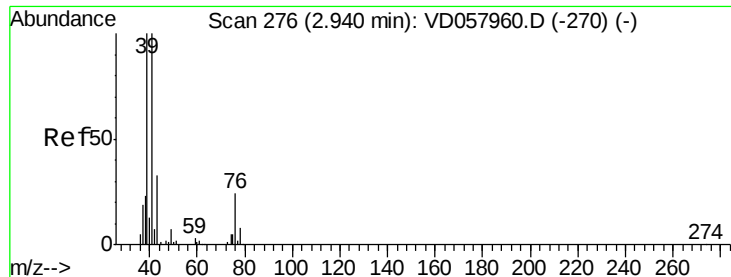
58 28.5 15.8 23.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#18

Methvl Acetate

Concen: 1.571 ug/l

RT: 2.93 min Scan# 275

Delta R.T. -0.01 min

Lab File: VD058150.D

Acq: 14 Jun 2018 22:03

Instrument :

MSVOA_D

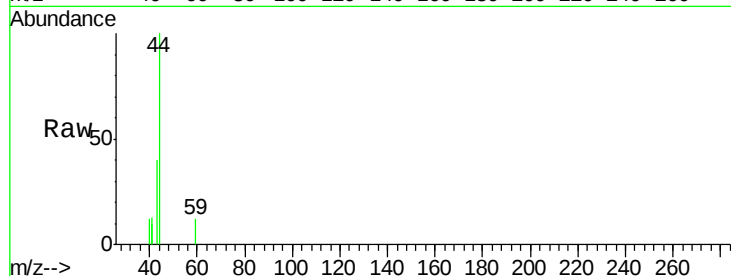
ClientSampleId :

Tot Ion: 43 Resp: 2731

Ion Ratio Lower Upper

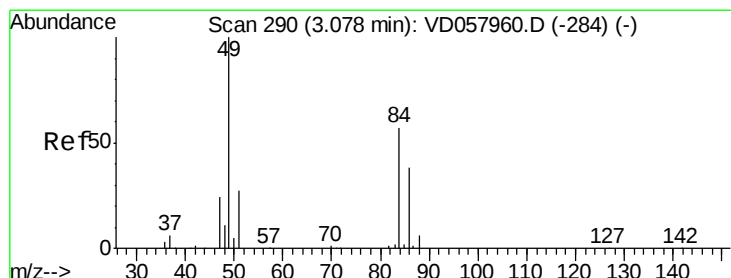
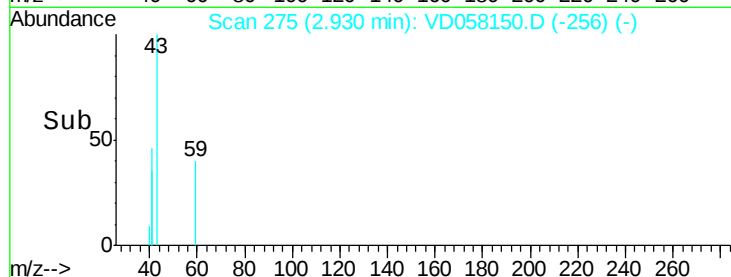
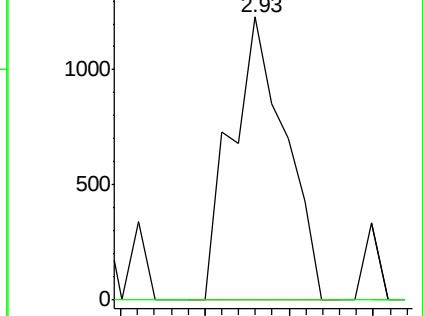
43 100

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



#20

Methylene Chloride

Concen: 4.058 ug/l

RT: 3.07 min Scan# 289

Delta R.T. -0.01 min

Lab File: VD058150.D

Acq: 14 Jun 2018 22:03

Tgt Ion: 84 Resp: 24356

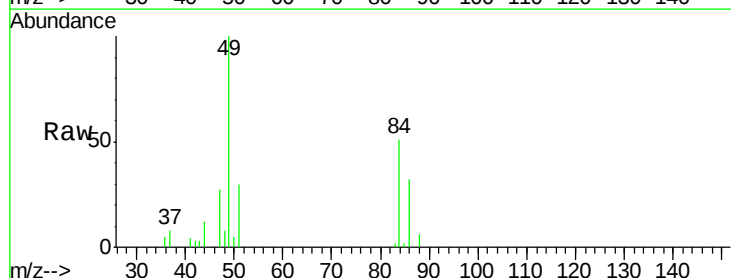
Ion Ratio Lower Upper

84 100

49 195.6 141.4 212.0

51 59.1 38.3 57.5#

86 63.5 52.9 79.3

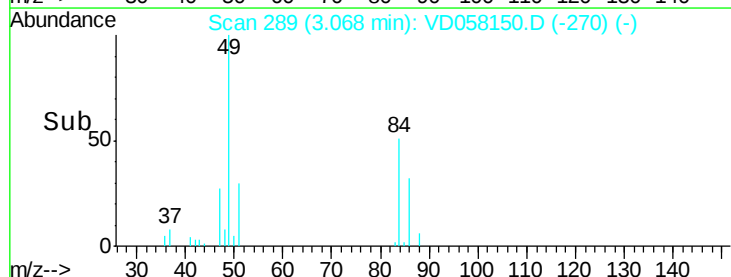
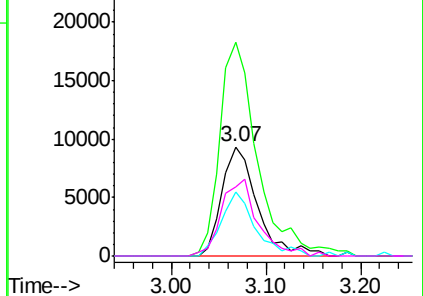


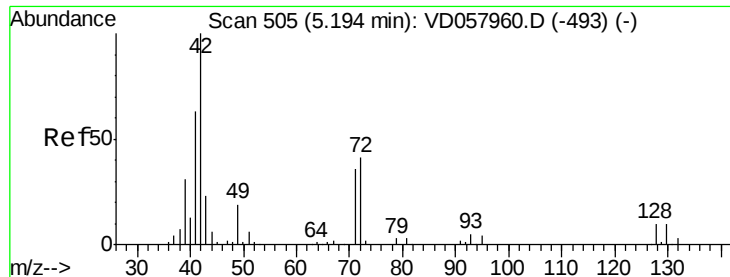
Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

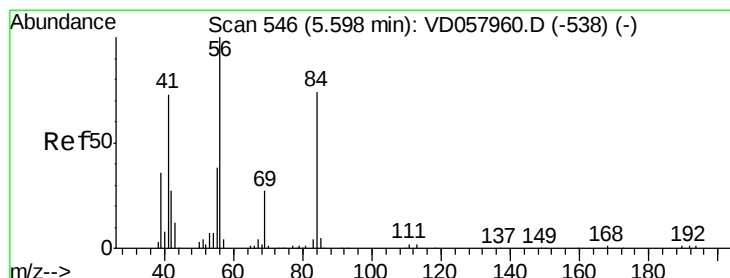
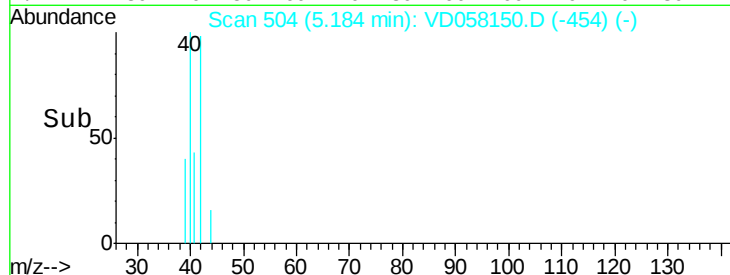
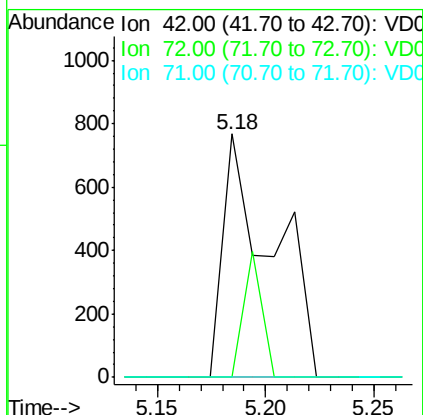
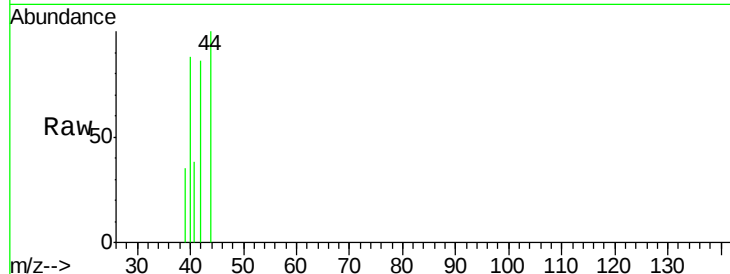




#29
Tetrahydrofuran
Concen: 1.134 ug/l
RT: 5.18 min Scan# 504
Delta R.T. -0.01 min
Lab File: VD058150.D
Acq: 14 Jun 2018 22:03

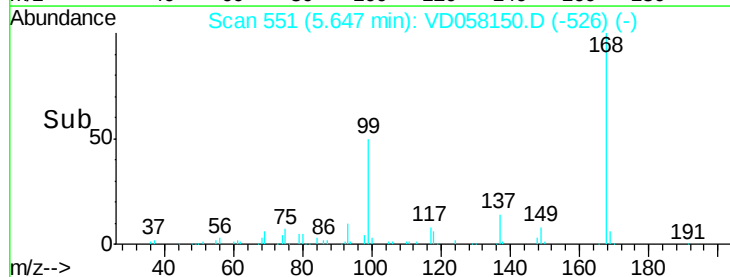
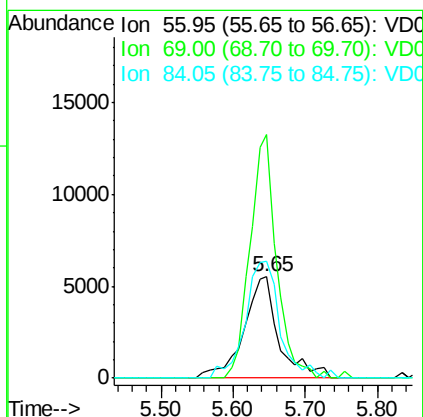
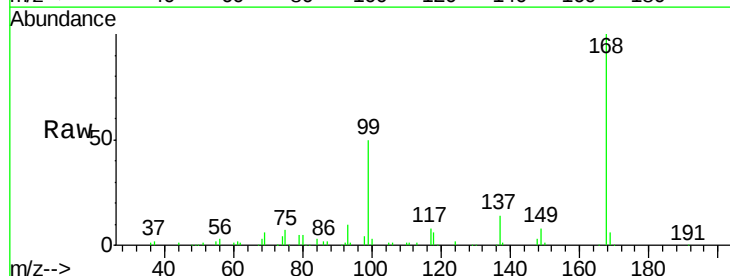
Instrument :
MSVOA_D
ClientSampleId :

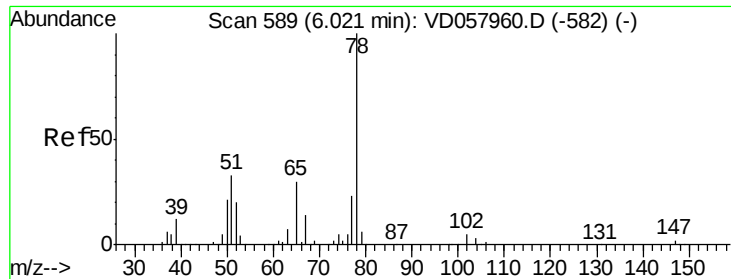
Tot Ion	Ratio	Lower	Upper
42	100		
72	19.3	28.5	42.7#
71	0.0	27.9	41.9#



#31
Cyclohexane
Concen: 1.712 ug/l
RT: 5.65 min Scan# 551
Delta R.T. 0.05 min
Lab File: VD058150.D
Acq: 14 Jun 2018 22:03

Tgt Ion	Ratio	Lower	Upper
56	100		
69	240.5	21.5	32.3#
84	115.8	61.0	91.6#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.02 min Scan# 589

Delta R.T. -0.00 min

Lab File: VD058150.D

Acq: 14 Jun 2018 22:03

Instrument :

MSVOA_D

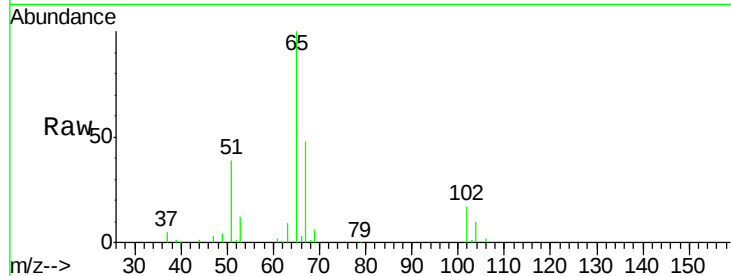
ClientSampleId :

Tot Ion: 65 Resp: 299347

Ion Ratio Lower Upper

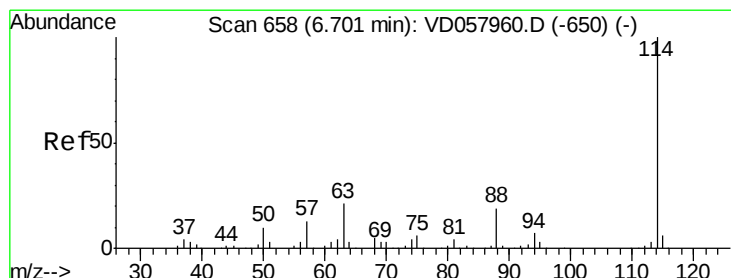
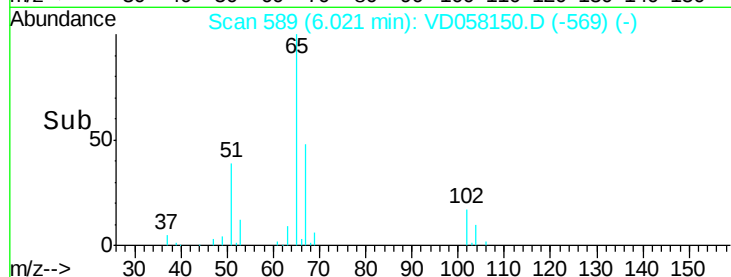
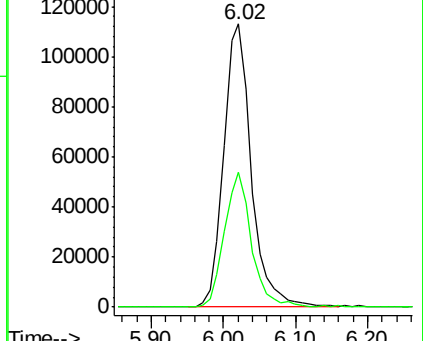
65 100

67 47.7 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# 657

Delta R.T. -0.01 min

Lab File: VD058150.D

Acq: 14 Jun 2018 22:03

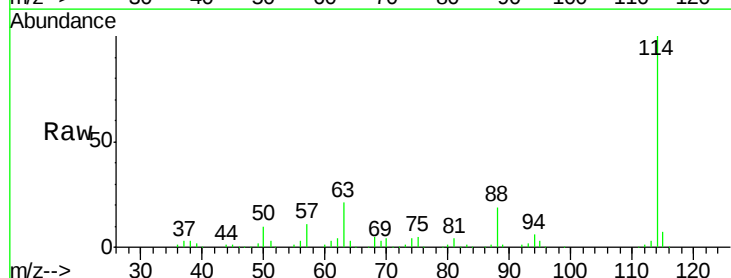
Tgt Ion: 114 Resp: 842507

Ion Ratio Lower Upper

114 100

63 20.7 0.0 42.8

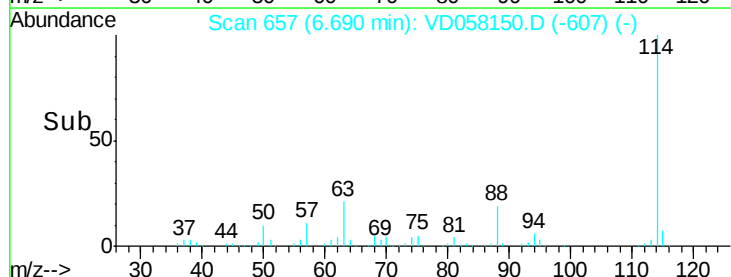
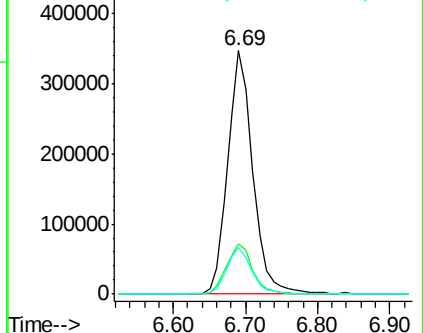
88 18.8 0.0 37.8

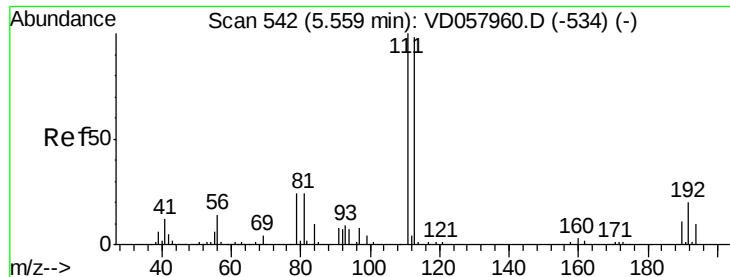


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

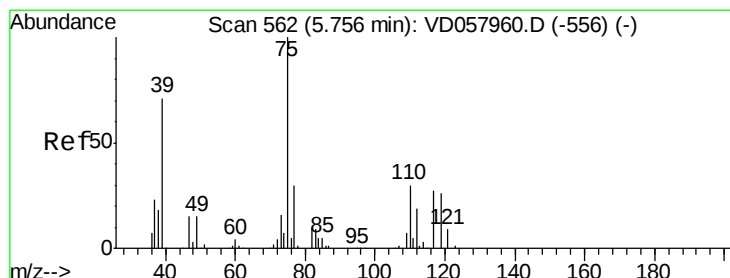
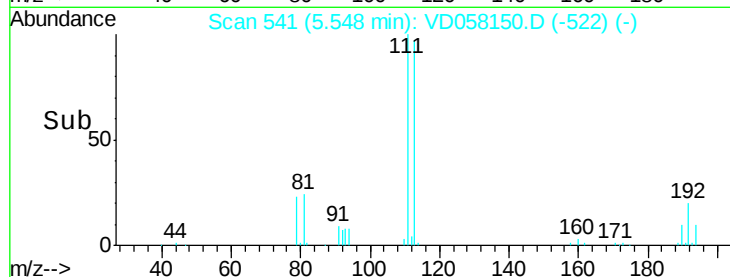
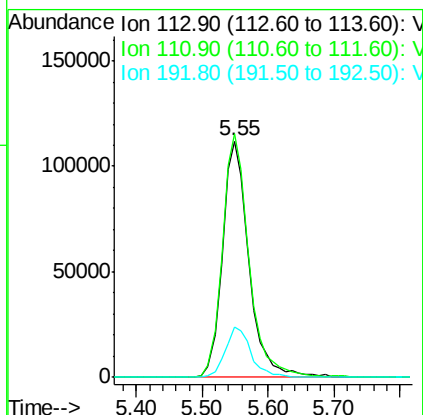
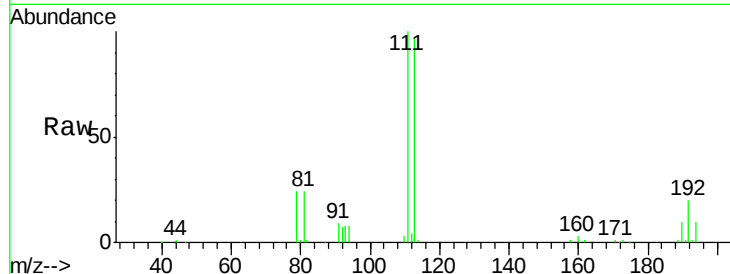




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.55 min Scan# 541
 Delta R.T. -0.01 min
 Lab File: VD058150.D
 Acq: 14 Jun 2018 22:03

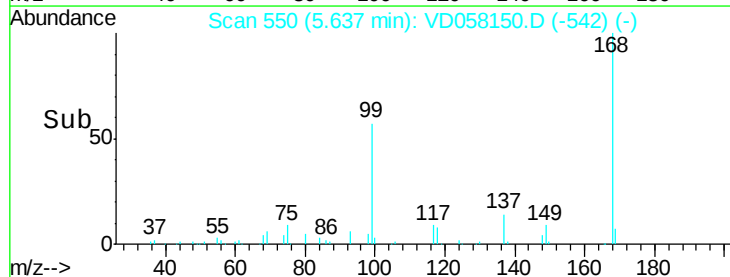
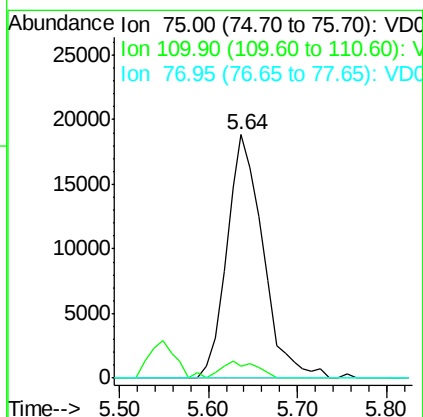
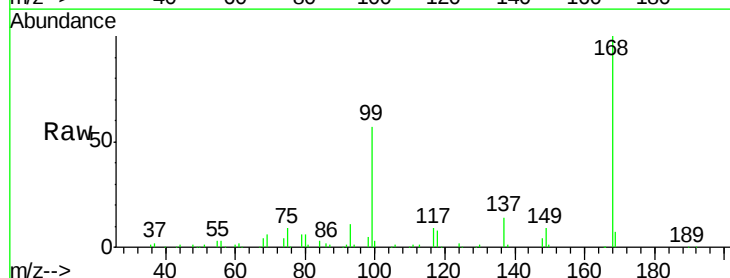
Instrument :
 MSVOA_D
 ClientSampleId :

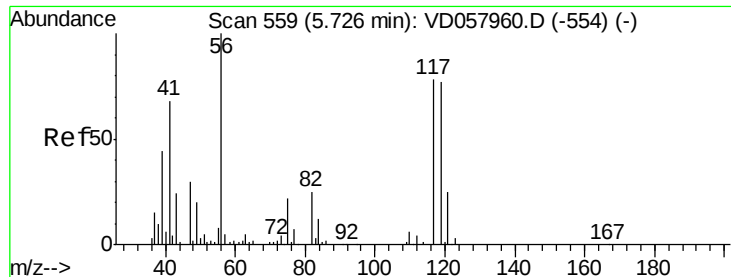
Tot Ion:113 Resp: 312818
 Ion Ratio Lower Upper
 113 100
 111 103.0 81.5 122.3
 192 21.1 16.4 24.6



#36
 1,1-Dichloropropene
 Concen: 5.721 ug/l
 RT: 5.64 min Scan# 550
 Delta R.T. -0.12 min
 Lab File: VD058150.D
 Acq: 14 Jun 2018 22:03

Tgt Ion: 75 Resp: 53099
 Ion Ratio Lower Upper
 75 100
 110 5.1 14.8 44.3#
 77 0.0 23.9 35.9#





#38

Carbon Tetrachloride

Concen: 5.661 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.09 min

Lab File: VD058150.D

Acq: 14 Jun 2018 22:03

Instrument :

MSVOA_D

ClientSampleId :

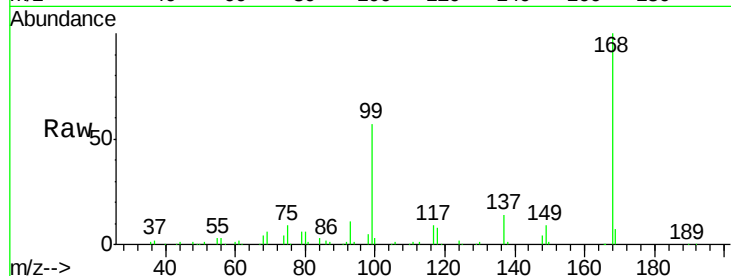
Tot Ion:117 Resp: 51782

Ion Ratio Lower Upper

117 100

119 4.2 76.1 114.1#

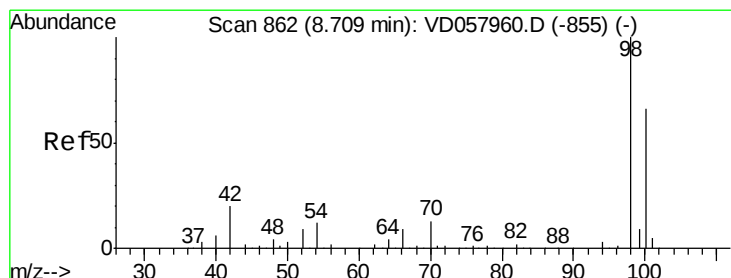
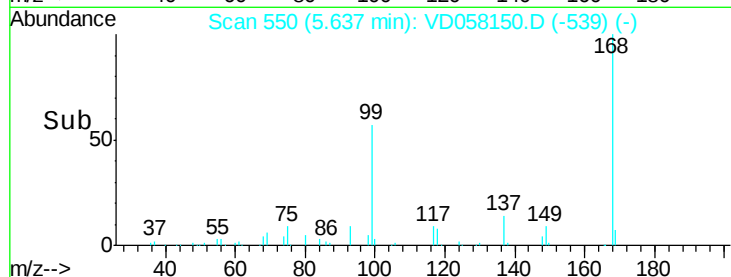
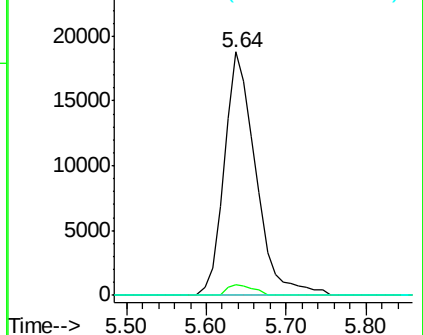
121 0.0 24.9 37.3#



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: VD058150.D

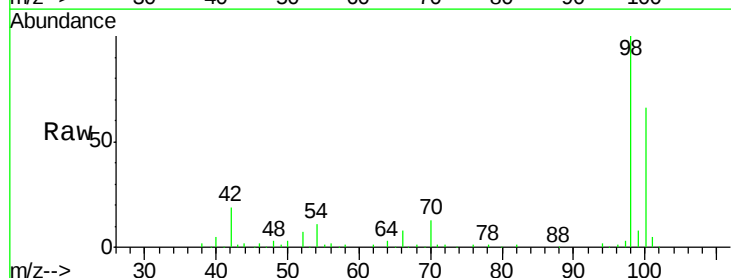
Acq: 14 Jun 2018 22:03

Tgt Ion: 98 Resp: 405144

Ion Ratio Lower Upper

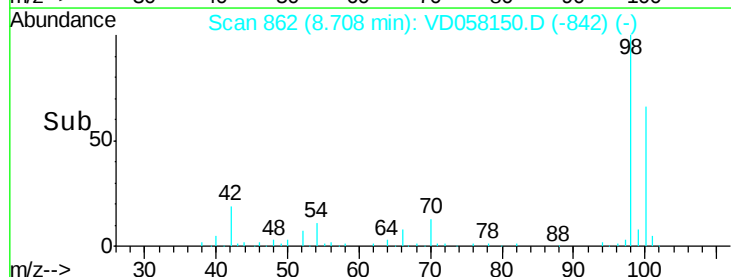
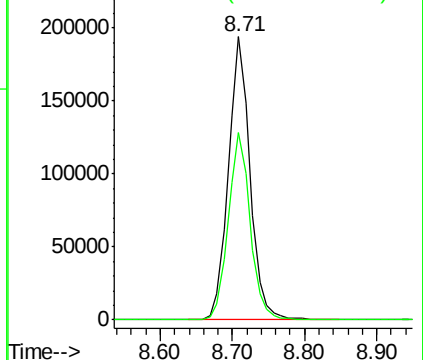
98 100

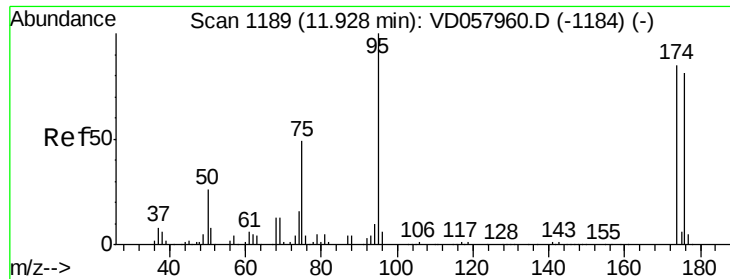
100 66.1 53.4 80.0



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: VD058150.D

Acq: 14 Jun 2018 22:03

Instrument :

MSVOA_D

ClientSampleId :

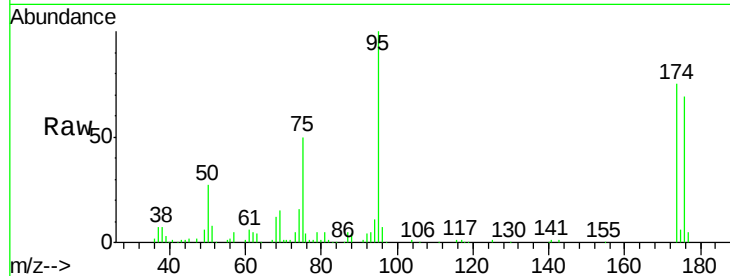
Tot Ion: 95 Resp: 221472

Ion Ratio Lower Upper

95 100

174 74.6 0.0 169.4

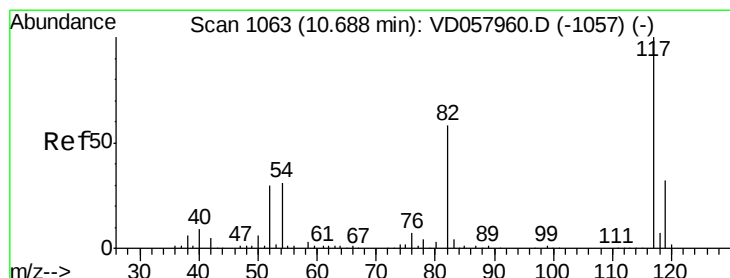
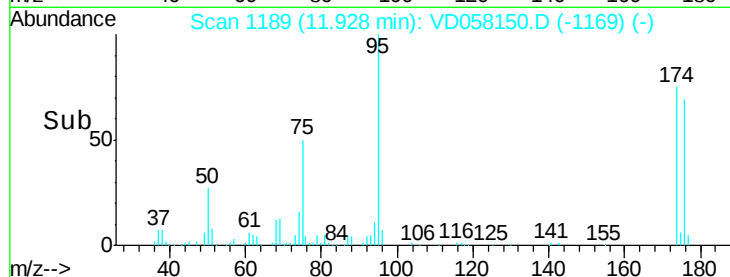
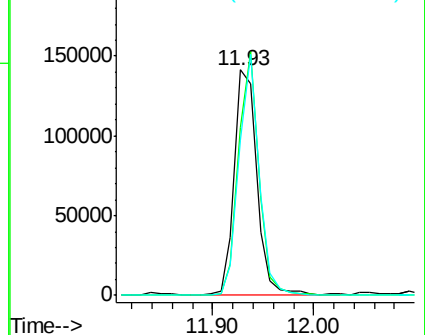
176 69.0 0.0 162.6



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: 10.69 min Scan# 1063

Delta R.T. -0.00 min

Lab File: VD058150.D

Acq: 14 Jun 2018 22:03

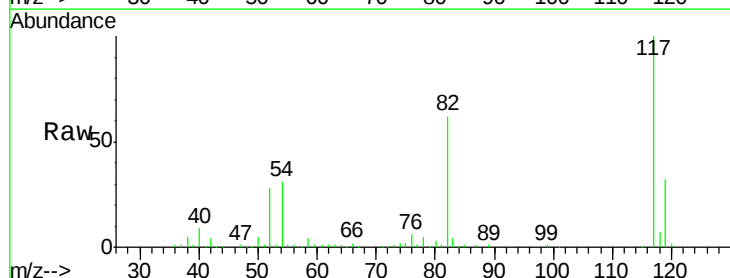
Tgt Ion: 117 Resp: 499599

Ion Ratio Lower Upper

117 100

82 61.9 46.8 70.2

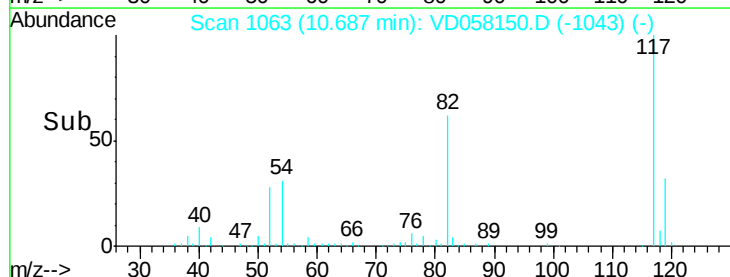
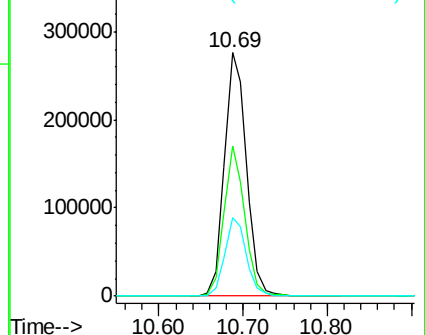
119 32.0 25.8 38.6

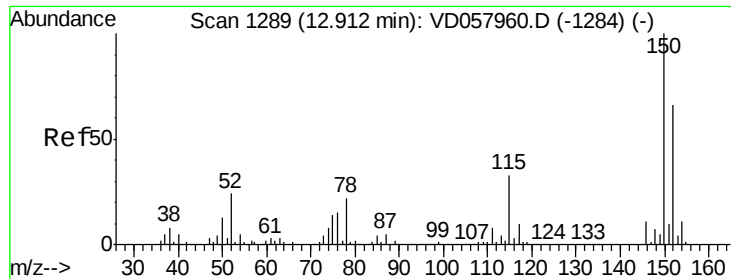


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



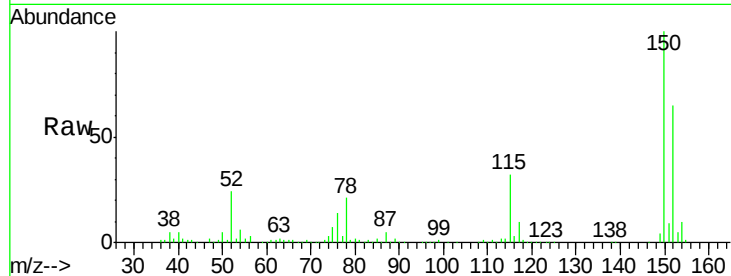


#72

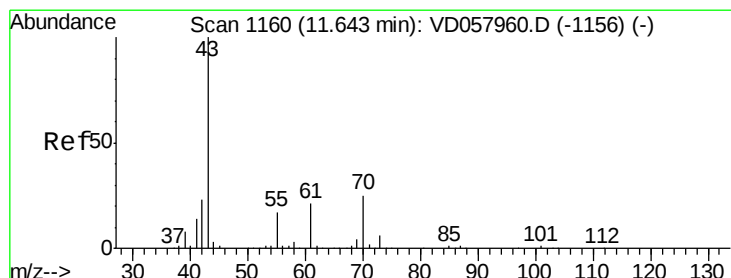
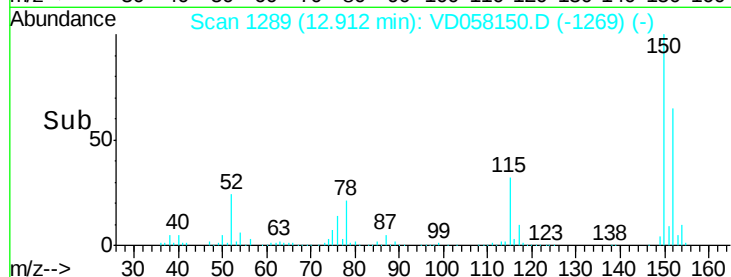
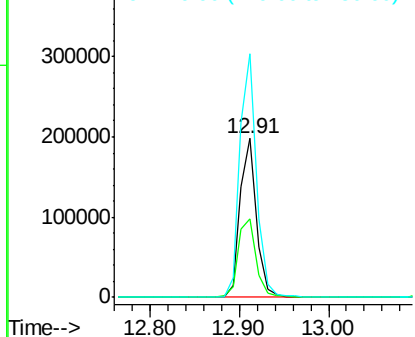
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VD058150.D
Acq: 14 Jun 2018 22:03

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:152 Resp: 254343
Ion Ratio Lower Upper
152 100
115 49.4 25.6 76.6
150 153.3 0.0 306.8



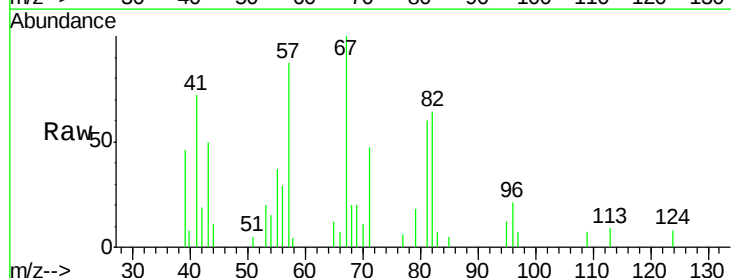
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



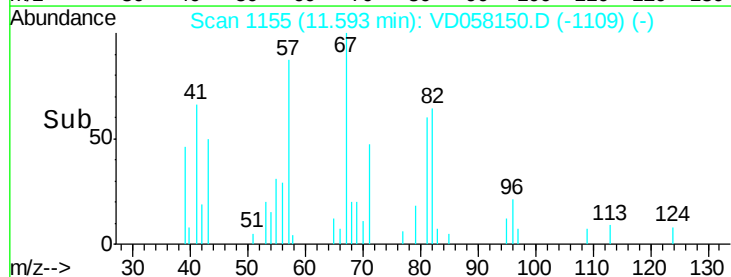
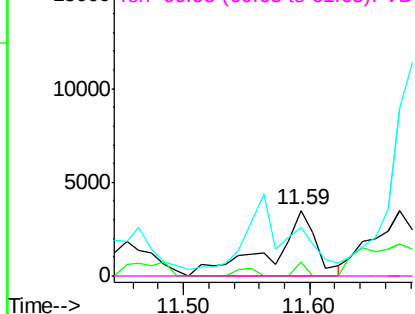
#74

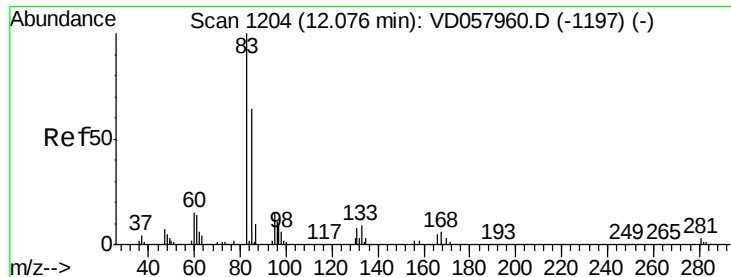
N-ethyl acetate
Concen: 1.323 ug/l
RT: 11.59 min Scan# 1155
Delta R.T. -0.05 min
Lab File: VD058150.D
Acq: 14 Jun 2018 22:03

Tgt Ion: 43 Resp: 8602
Ion Ratio Lower Upper
43 100
70 21.7 20.3 30.5
55 73.8 13.9 20.9#
61 0.0 16.6 24.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 70.00 (69.70 to 70.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 1.959 ug/l

RT: 12.09 min Scan# 1205

Delta R.T. 0.01 min

Lab File: VD058150.D

Acq: 14 Jun 2018 22:03

Instrument :

MSVOA_D

ClientSampleId :

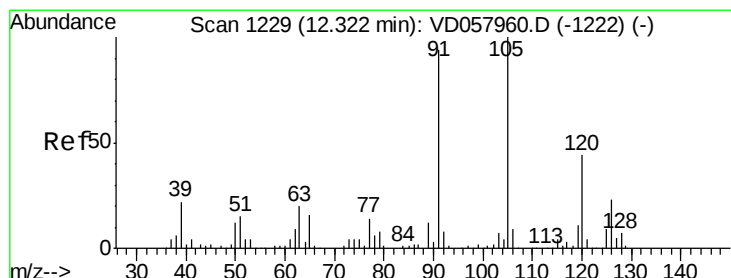
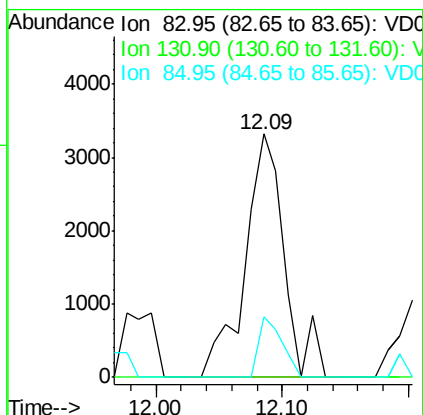
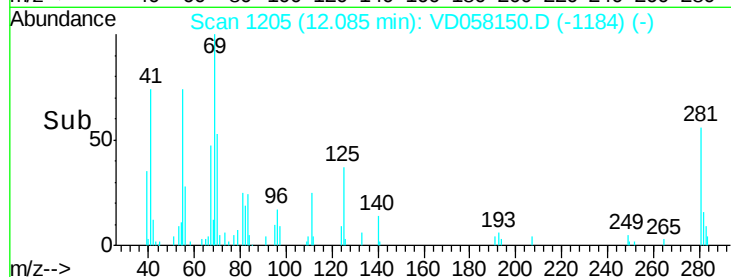
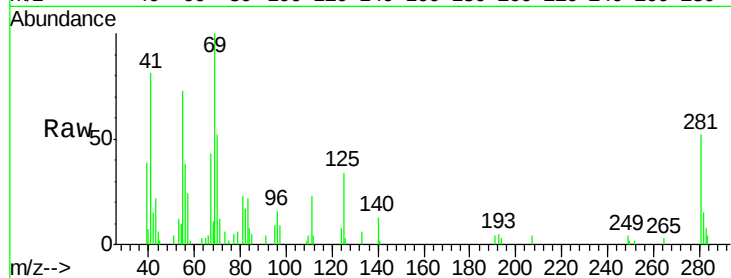
Tot Ion: 83 Resp: 7197

Ion Ratio Lower Upper

83 100

131 0.0 4.2 12.6#

85 24.7 31.9 95.5#



#80

1,3,5-Trimethylbenzene

Concen: 1.808 ug/l

RT: 12.32 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VD058150.D

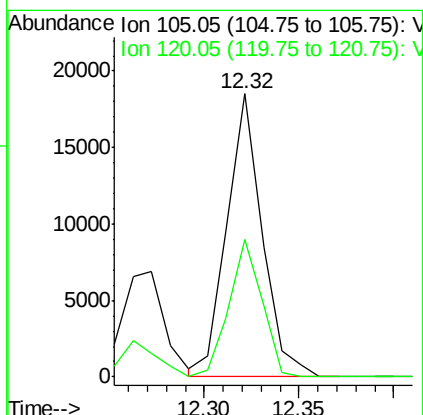
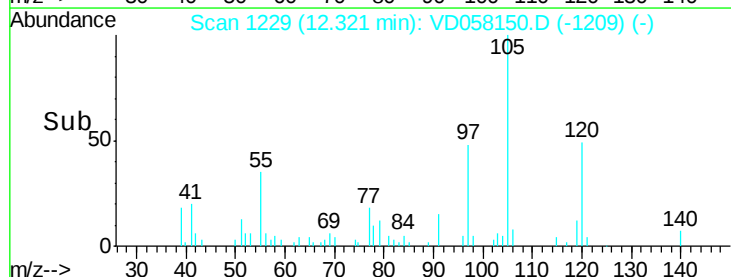
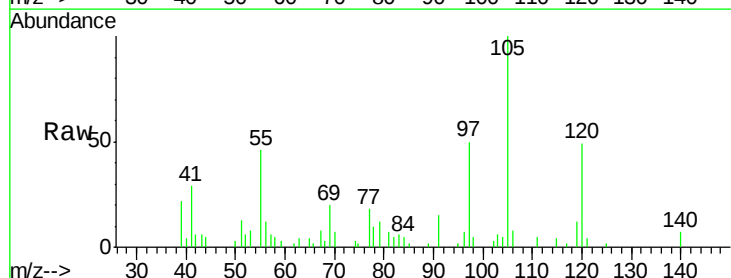
Acq: 14 Jun 2018 22:03

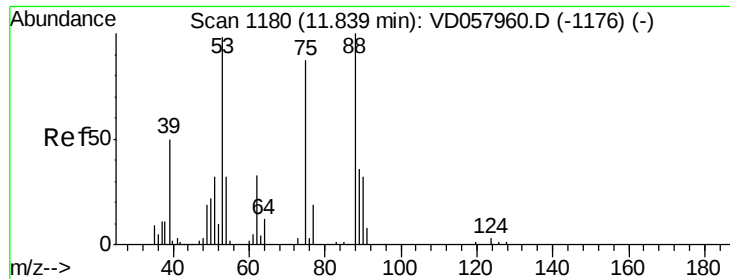
Tgt Ion:105 Resp: 23753

Ion Ratio Lower Upper

105 100

120 48.8 22.0 66.0





#81

trans-1,4-Dichloro-2-butene

Concen: 114.936 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.09 min

Lab File: VD058150.D

Acq: 14 Jun 2018 22:03

Instrument :

MSVOA_D

ClientSampleId :

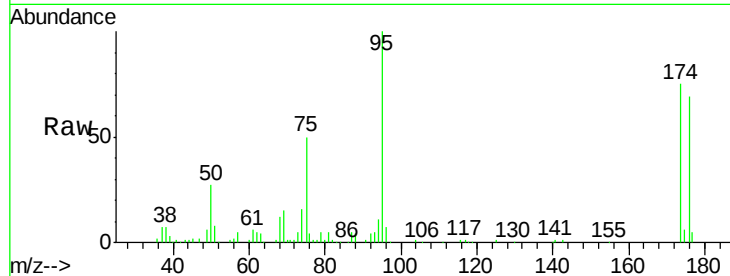
Tot Ion: 75 Resp: 108764

Ion Ratio Lower Upper

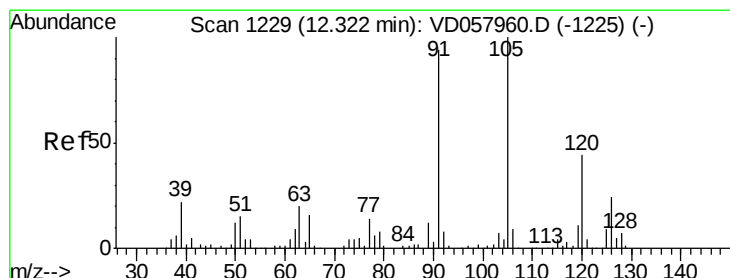
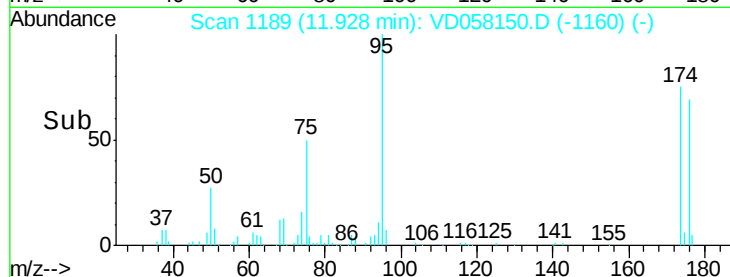
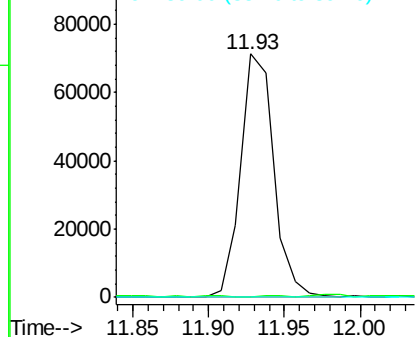
75 100

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: VD058150.D

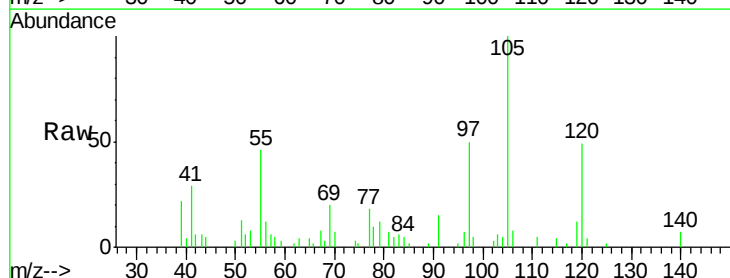
Acq: 14 Jun 2018 22:03

Tgt Ion: 91 Resp: 3851

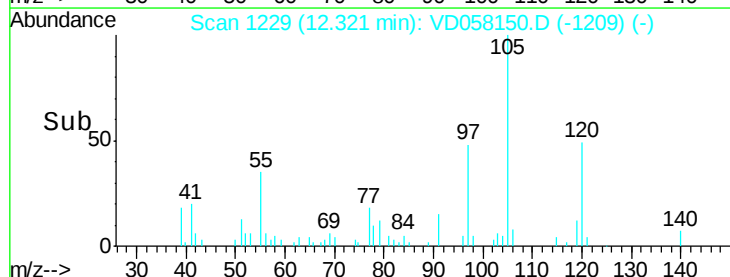
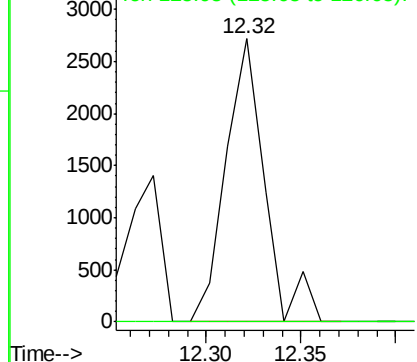
Ion Ratio Lower Upper

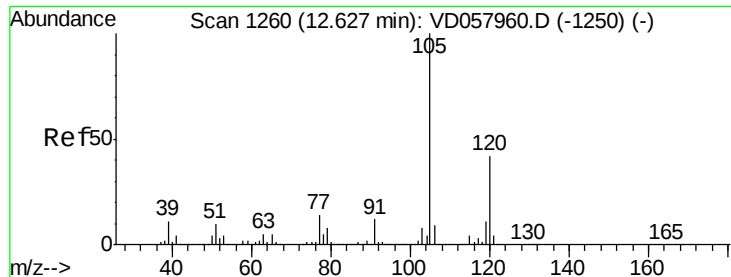
91 100

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

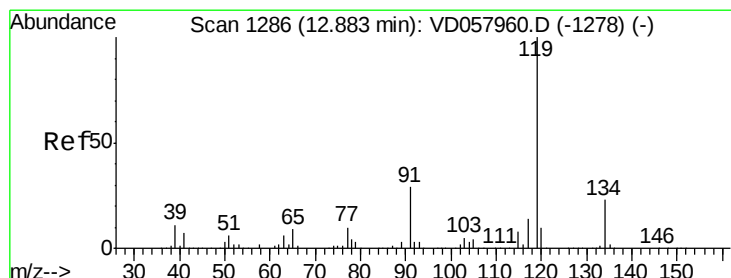
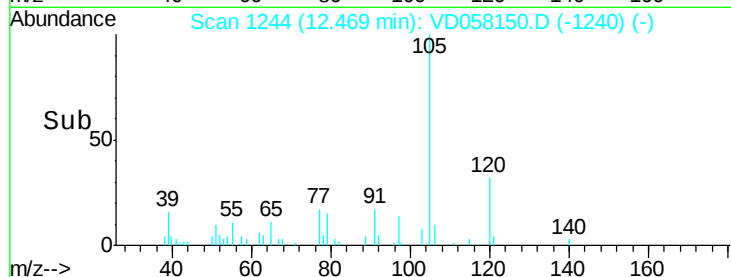
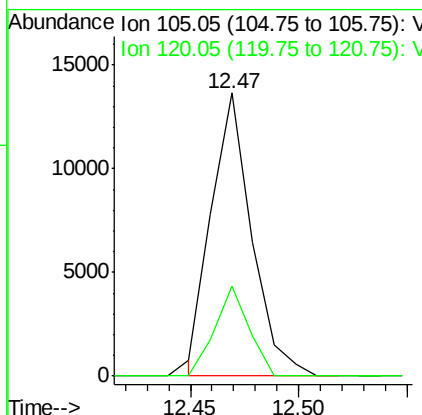
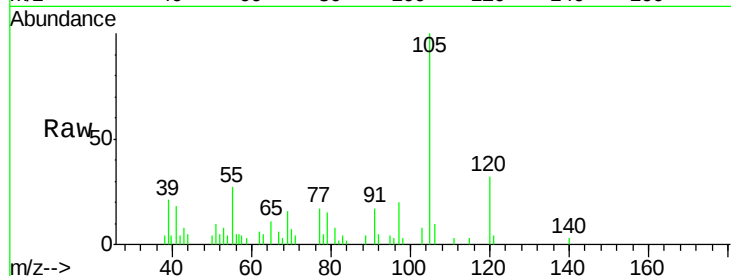




#84
 1,2,4-Trimethylbenzene
 Concen: 1.254 ug/l
 RT: 12.47 min Scan# 1244
 Delta R.T. -0.16 min
 Lab File: VD058150.D
 Acq: 14 Jun 2018 22:03

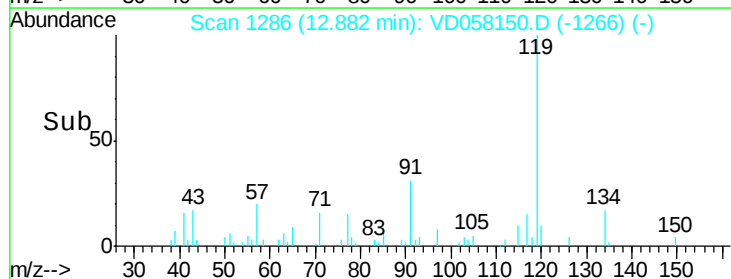
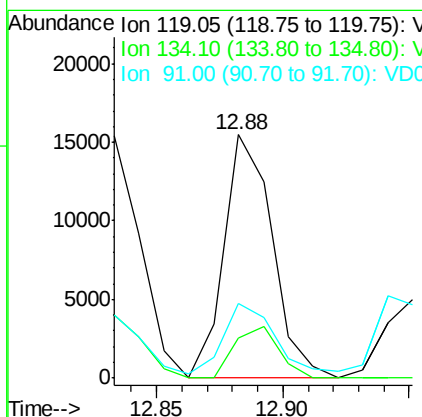
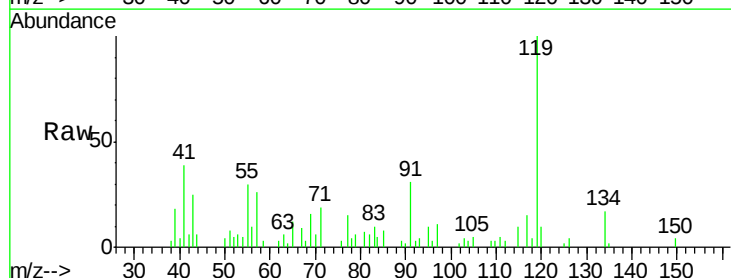
Instrument :
 MSVOA_D
 ClientSampled :

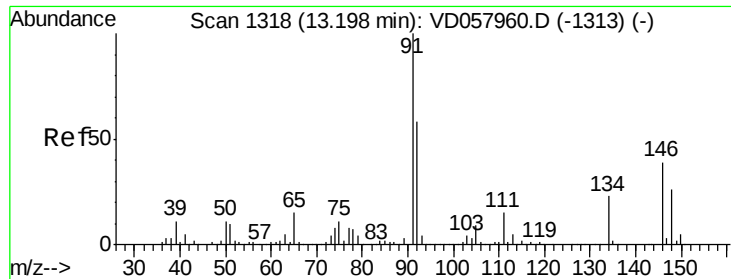
Tot Ion:105 Resp: 17708
 Ion Ratio Lower Upper
 105 100
 120 31.8 21.2 63.6



#86
 p-Isopropyltoluene
 Concen: 1.426 ug/l
 RT: 12.88 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VD058150.D
 Acq: 14 Jun 2018 22:03

Tgt Ion:119 Resp: 20575
 Ion Ratio Lower Upper
 119 100
 134 16.6 11.5 34.4
 91 30.6 14.5 43.6

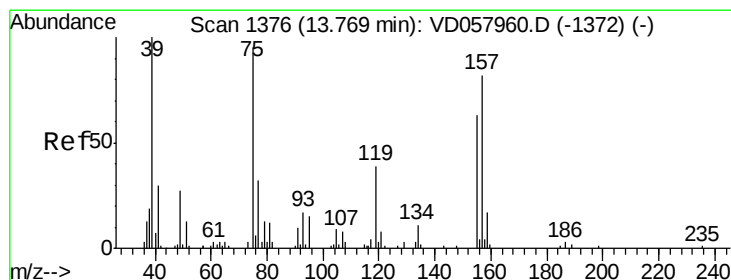
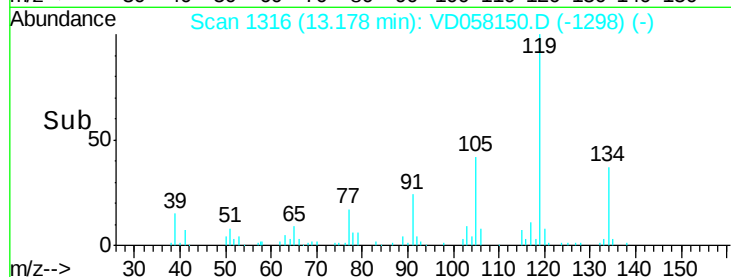
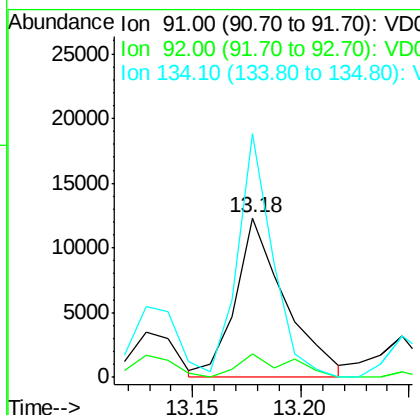
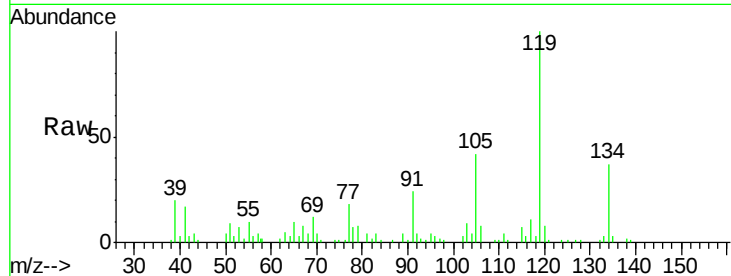




#89
n-Butylbenzene
Concen: Below Cal
RT: 13.18 min Scan# 1316
Delta R.T. -0.02 min
Lab File: VD058150.D
Acq: 14 Jun 2018 22:03

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 91 Resp: 19842
Ion Ratio Lower Upper
91 100
92 14.9 29.2 87.6#
134 152.8 11.3 33.9#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.226 ug/l
RT: 13.75 min Scan# 1374
Delta R.T. -0.02 min
Lab File: VD058150.D
Acq: 14 Jun 2018 22:03

Tgt Ion: 75 Resp: 695
Ion Ratio Lower Upper
75 100
155 0.0 33.4 100.1#
157 0.0 42.9 128.5#

