

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061418\
 Data File : VD058134.D
 Acq On : 14 Jun 2018 14:30
 Operator : VA/AP
 Sample : J3420-03RE
 Misc : 6.31g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 15 06:03:44 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	752235	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.70	114	1001592	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.70	117	800580	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	423894	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.02	65	283131	37.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	75.30%	
35) Dibromofluoromethane	5.56	113	302847	39.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	78.16%	
50) Toluene-d8	8.72	98	654147	35.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	71.02%	
62) 4-Bromofluorobenzene	11.94	95	301565	37.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	75.04%	

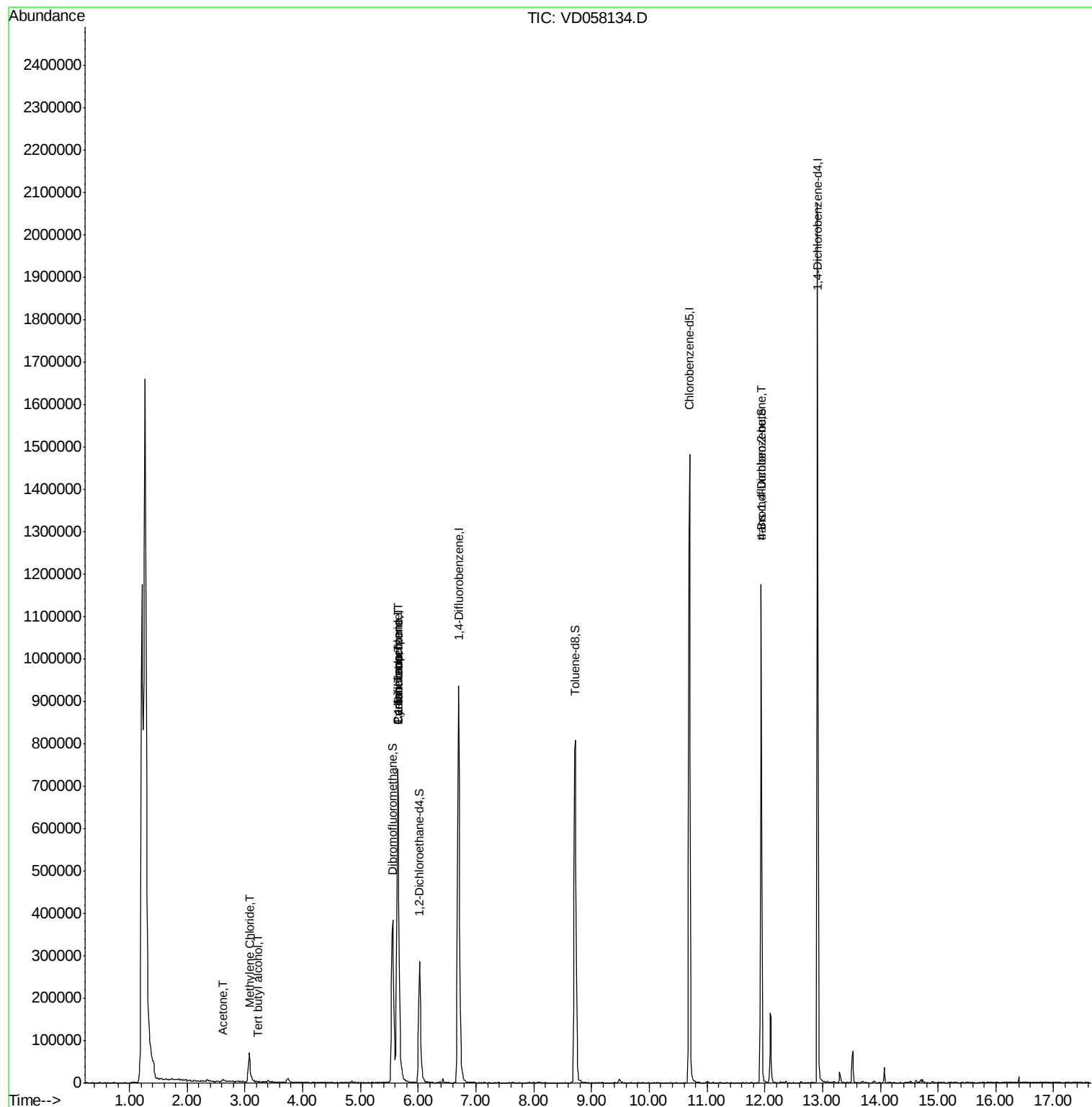
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.22	59	230	1.142	ug/l #	74
16) Acetone	2.61	43	11153	10.294	ug/l	92
20) Methylene Chloride	3.08	84	31833	5.261	ug/l #	69
31) Cyclohexane	5.64	56	19700	1.506	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	62126	5.630	ug/l #	51
38) Carbon Tetrachloride	5.65	117	61271	5.634	ug/l #	15
81) trans-1,4-Dichloro-2-buten	11.94	75	150275	95.284	ug/l #	6
82) 4-Chlorotoluene	12.33	91	529	Below Cal	#	50
89) n-Butylbenzene	13.20	91	619	Below Cal	#	62

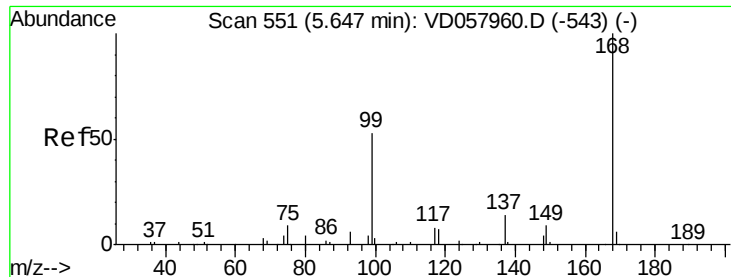
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD058134.D

Acq: 14 Jun 2018 14:30

Instrument :

MSVOA_D

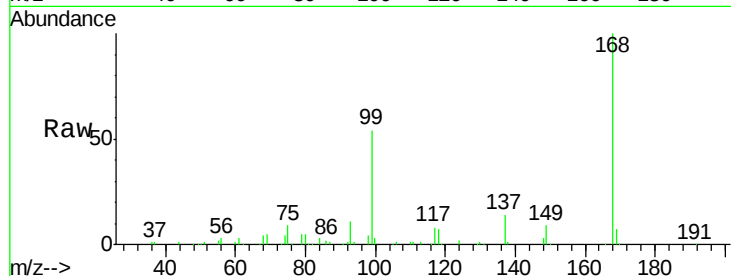
ClientSampleId :

Tot Ion:168 Resp: 752235

Ion Ratio Lower Upper

168 100

99 54.5 46.8 70.2

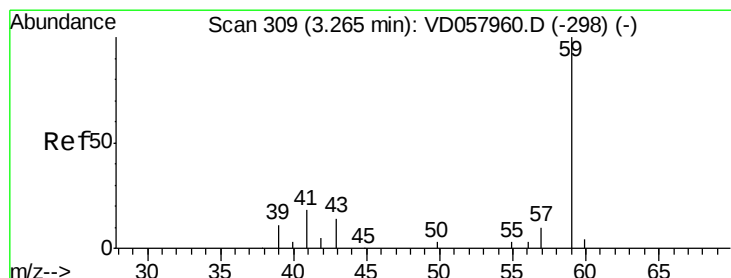
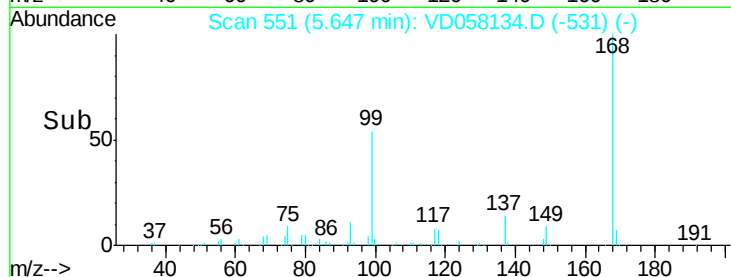


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.65

Time-->



#11

Tert butyl alcohol

Concen: 1.142 ug/l

RT: 3.22 min Scan# 304

Delta R.T. -0.05 min

Lab File: VD058134.D

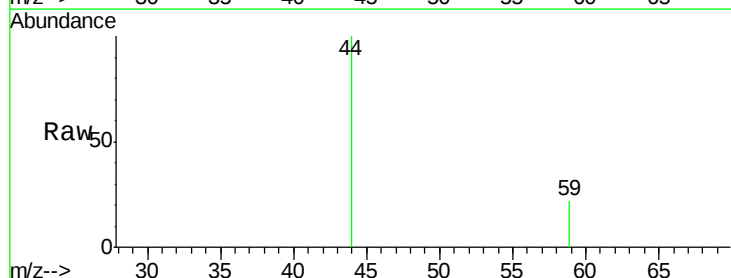
Acq: 14 Jun 2018 14:30

Tgt Ion: 59 Resp: 230

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#

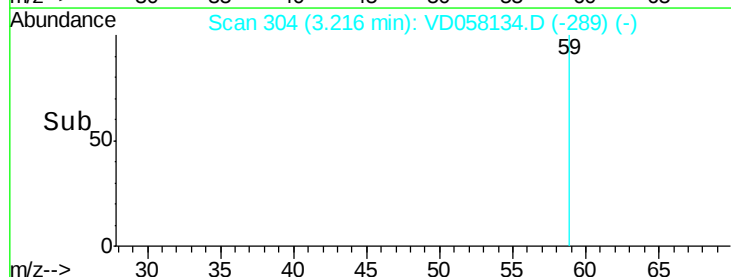


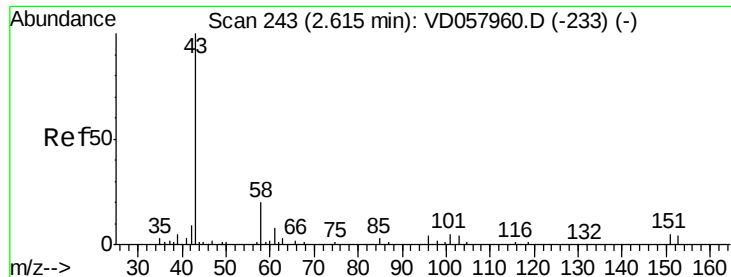
Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

3.22

Time-->





#16

Acetone

Concen: 10.294 ug/l

RT: 2.61 min Scan# 242

Delta R.T. -0.01 min

Lab File: VD058134.D

Acq: 14 Jun 2018 14:30

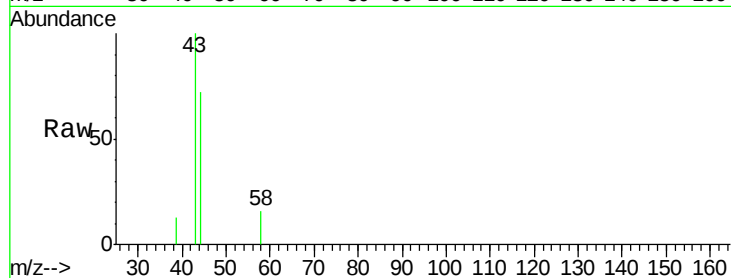
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 11153

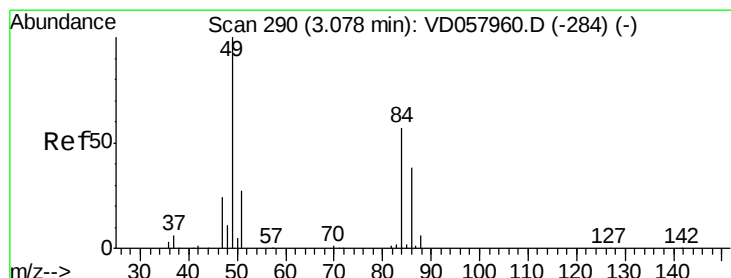
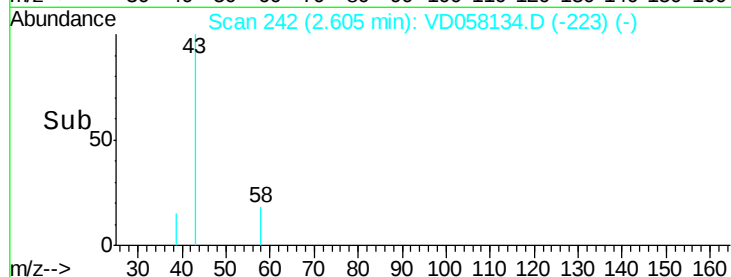
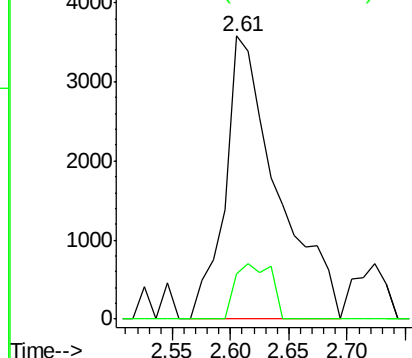
Ion Ratio Lower Upper

43 100

58 15.9 15.8 23.8



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 5.261 ug/l

RT: 3.08 min Scan# 290

Delta R.T. 0.00 min

Lab File: VD058134.D

Acq: 14 Jun 2018 14:30

Tgt Ion: 84 Resp: 31833

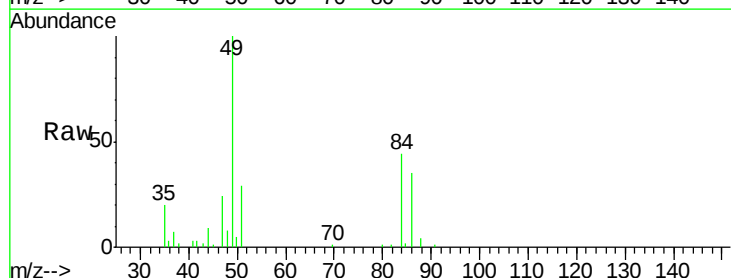
Ion Ratio Lower Upper

84 100

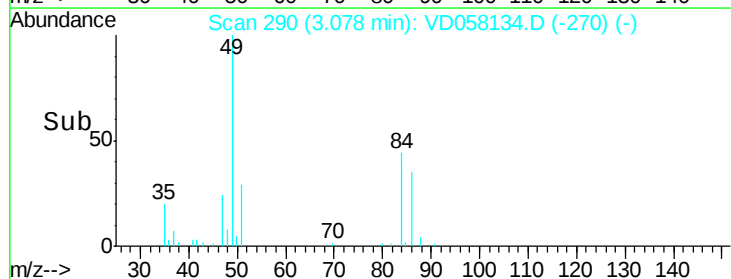
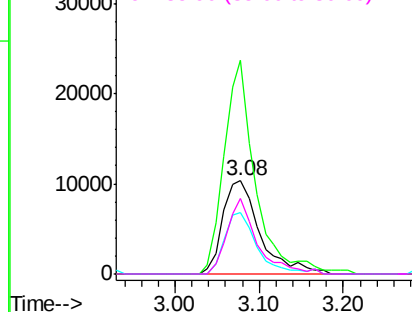
49 228.7 141.4 212.0#

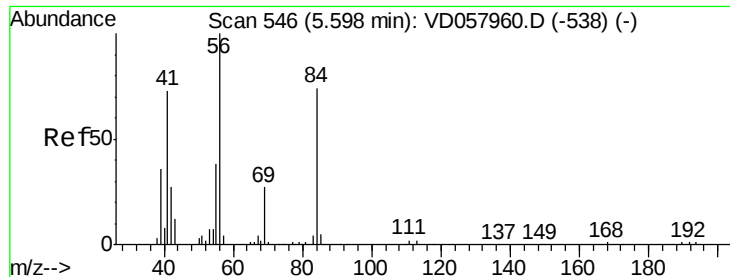
51 65.7 38.3 57.5#

86 80.4 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

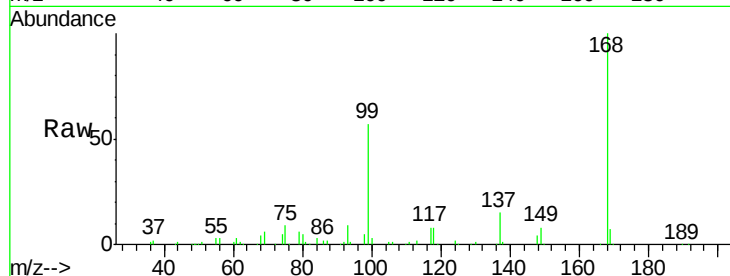




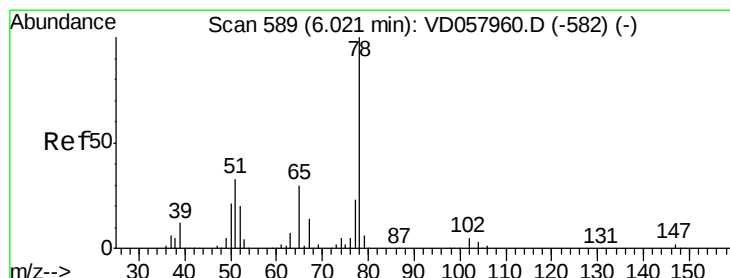
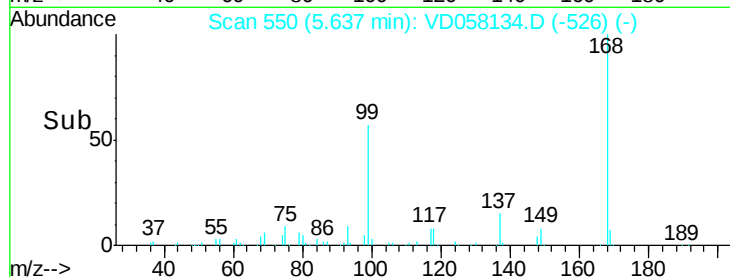
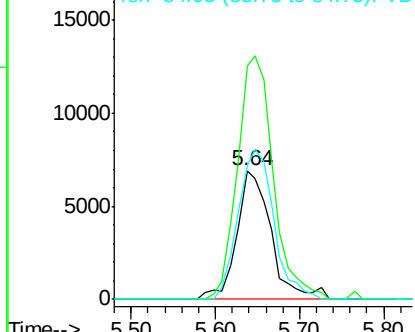
#31
Cyclohexane
Concen: 1.506 ug/l
RT: 5.64 min Scan# 550
Delta R.T. 0.04 min
Lab File: VD058134.D
Acq: 14 Jun 2018 14:30

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 19700
Ion Ratio Lower Upper
56 100
69 181.6 21.5 32.3#
84 103.9 61.0 91.6#

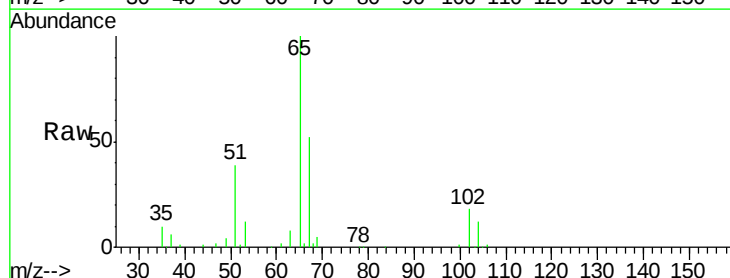


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

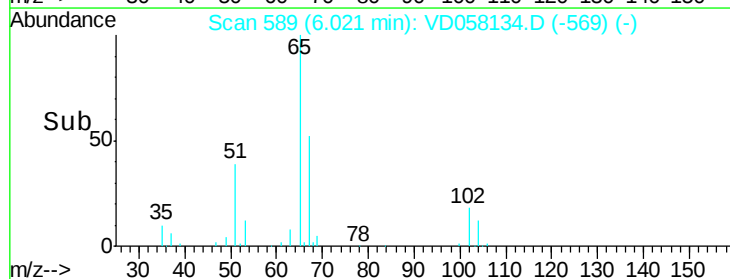
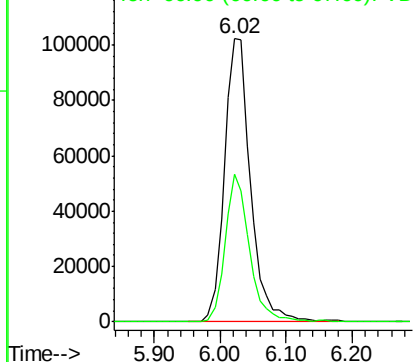


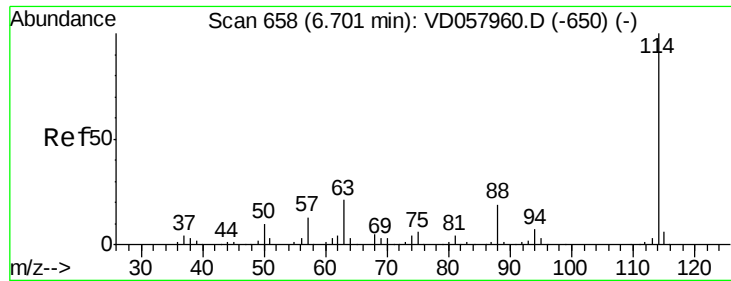
#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 6.02 min Scan# 589
Delta R.T. -0.00 min
Lab File: VD058134.D
Acq: 14 Jun 2018 14:30

Tgt Ion: 65 Resp: 283131
Ion Ratio Lower Upper
65 100
67 52.1 0.0 94.0



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

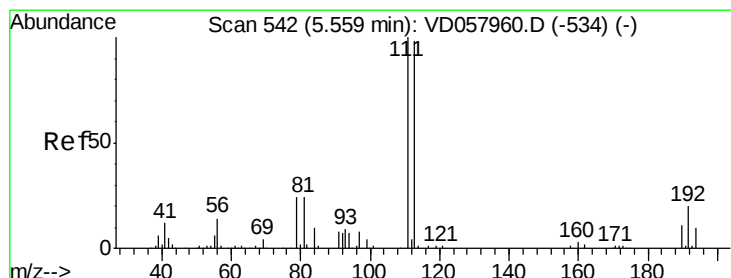
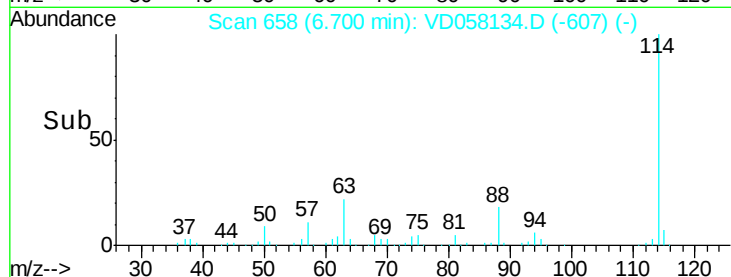
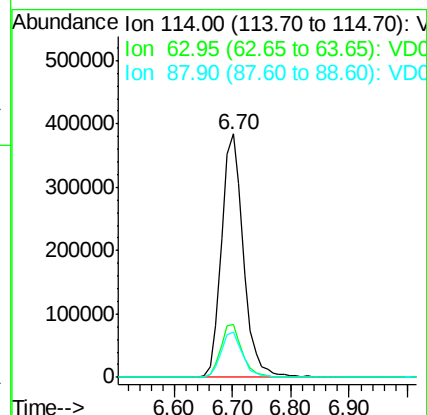
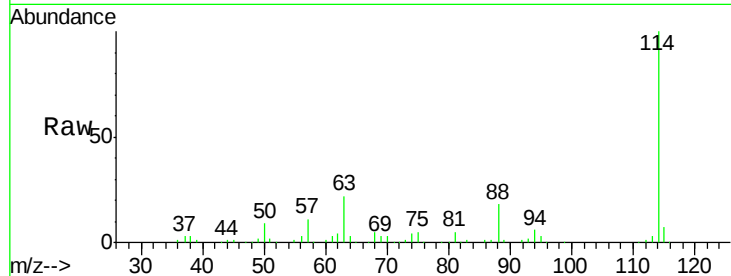




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.70 min Scan# 658
Delta R.T. -0.00 min
Lab File: VD058134.D
Acq: 14 Jun 2018 14:30

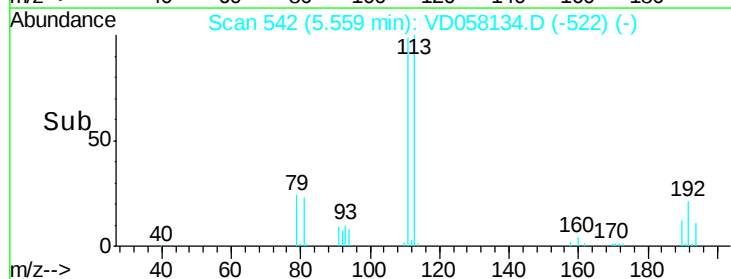
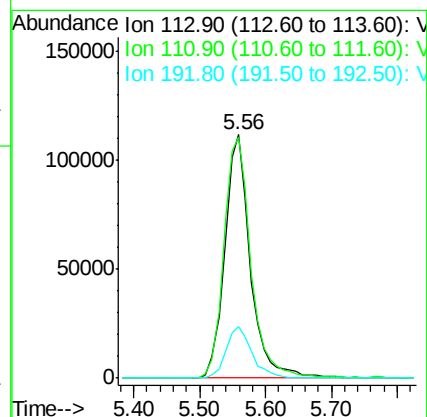
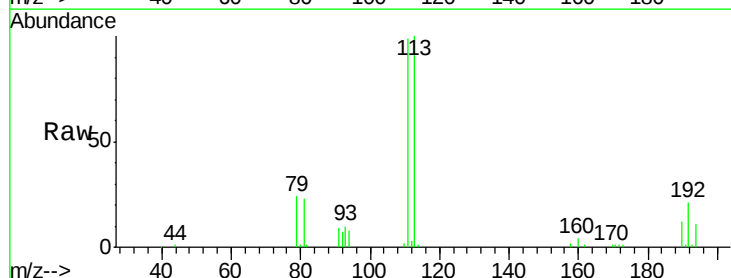
Instrument :
MSVOA_D
ClientSampleId :

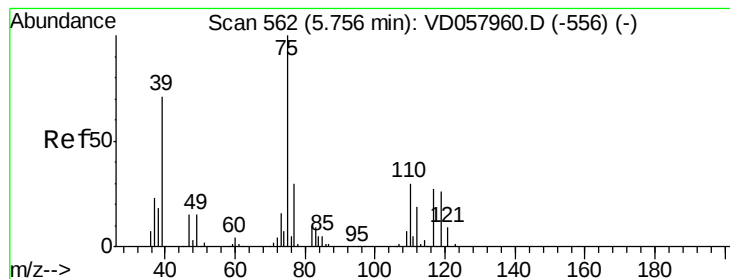
Tot Ion:114 Resp: 1001592
Ion Ratio Lower Upper
114 100
63 21.8 0.0 42.8
88 18.3 0.0 37.8



#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 5.56 min Scan# 542
Delta R.T. -0.00 min
Lab File: VD058134.D
Acq: 14 Jun 2018 14:30

Tgt Ion:113 Resp: 302847
Ion Ratio Lower Upper
113 100
111 99.0 81.5 122.3
192 21.0 16.4 24.6





#36

1,1-Dichloropropene

Concen: 5.630 ug/l

RT: 5.65 min Scan# 551

Delta R.T. -0.11 min

Lab File: VD058134.D

Acq: 14 Jun 2018 14:30

Instrument :
MSVOA_D
ClientSampleID :

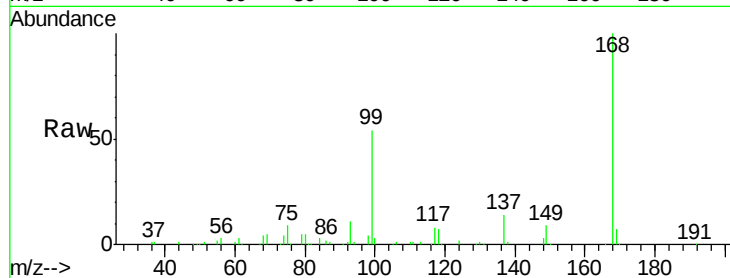
Tot Ion: 75 Resp: 62126

Ion Ratio Lower Upper

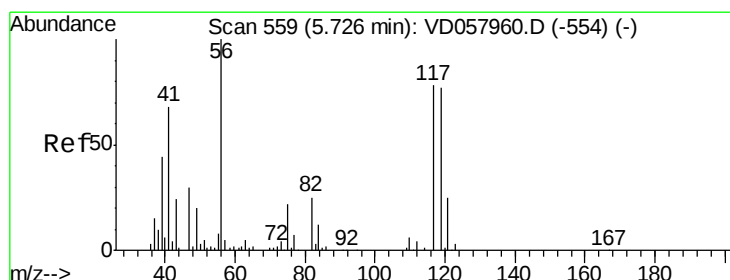
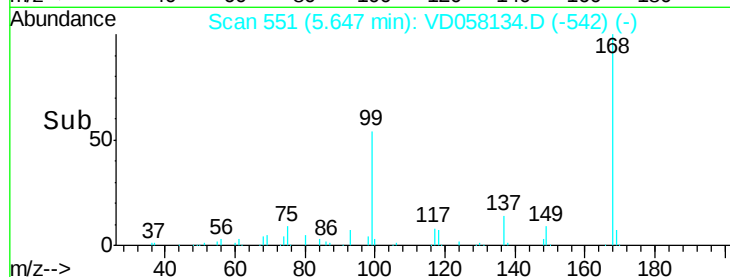
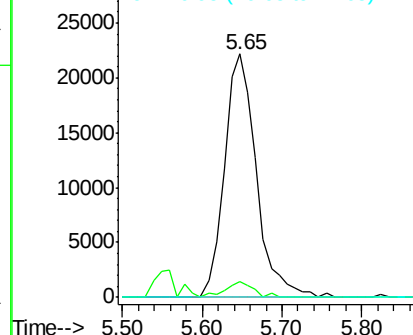
75 100

110 6.6 14.8 44.3#

77 0.0 23.9 35.9#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): VDC
Ion 76.95 (76.65 to 77.65): VDC



#38

Carbon Tetrachloride

Concen: 5.634 ug/l

RT: 5.65 min Scan# 551

Delta R.T. -0.08 min

Lab File: VD058134.D

Acq: 14 Jun 2018 14:30

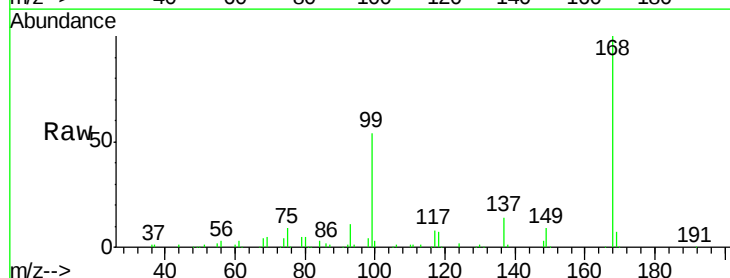
Tgt Ion: 117 Resp: 61271

Ion Ratio Lower Upper

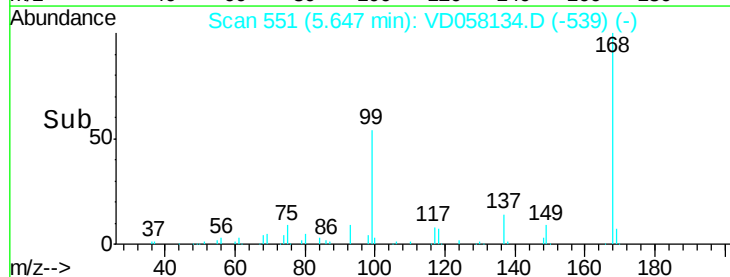
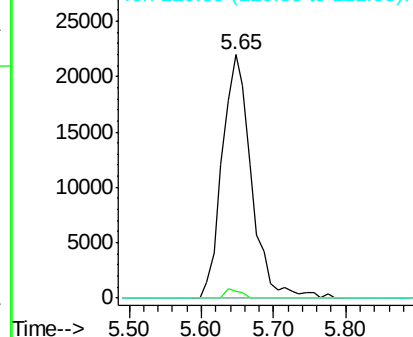
117 100

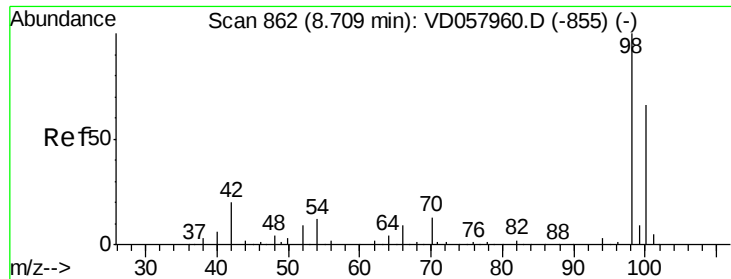
119 2.8 76.1 114.1#

121 0.0 24.9 37.3#



Abundance Ion 116.85 (116.55 to 117.55): VDC
Ion 118.85 (118.55 to 119.55): VDC
Ion 120.85 (120.55 to 121.55): VDC

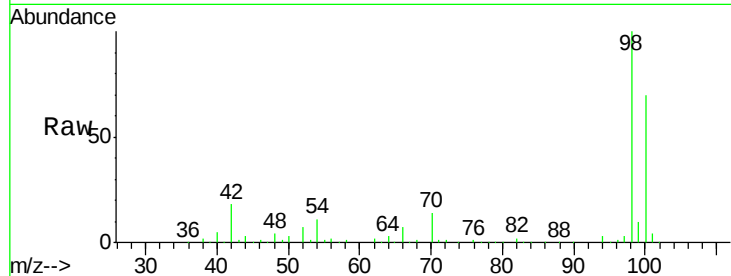




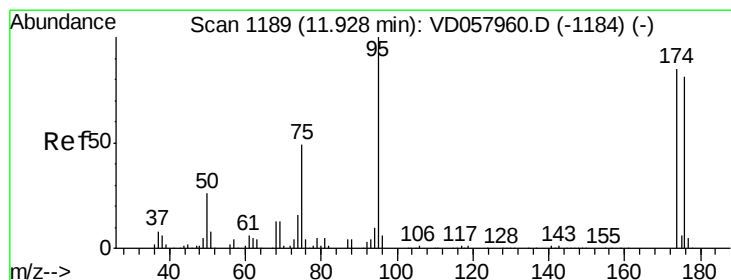
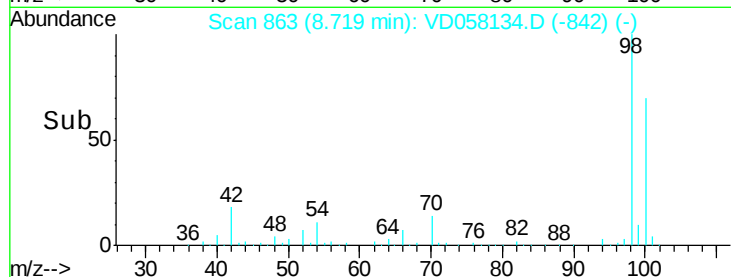
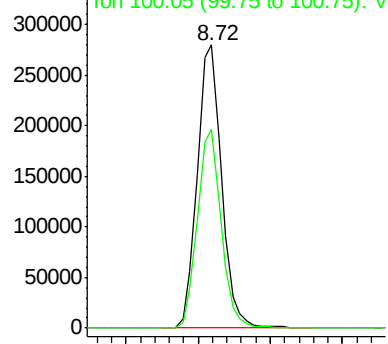
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.72 min Scan# 863
Delta R.T. 0.01 min
Lab File: VD058134.D
Acq: 14 Jun 2018 14:30

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 98 Resp: 654147
Ion Ratio Lower Upper
98 100
100 70.2 53.4 80.0

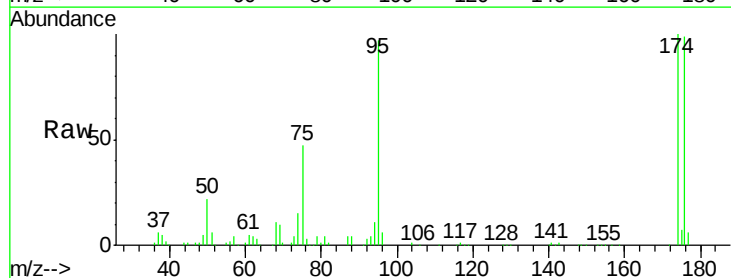


Abundance Ion 98.05 (97.75 to 98.75): VD057960.D (-855) (-)
Ion 100.05 (99.75 to 100.75): VD057960.D (-855) (-)

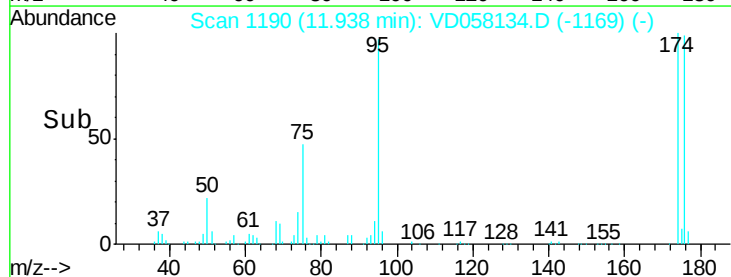
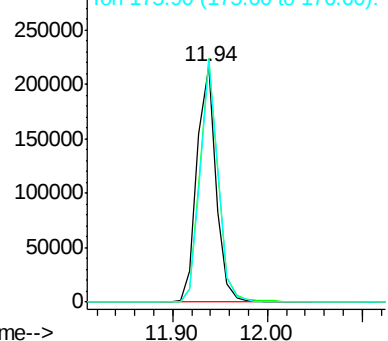


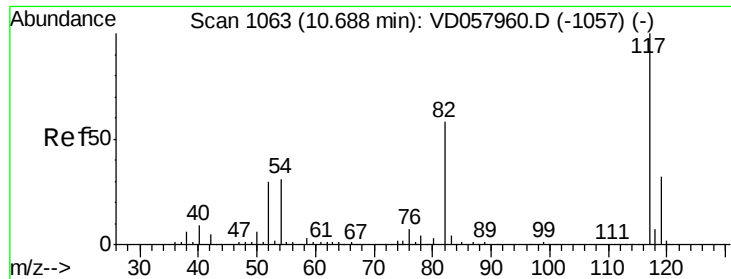
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.94 min Scan# 1190
Delta R.T. 0.01 min
Lab File: VD058134.D
Acq: 14 Jun 2018 14:30

Tgt Ion: 95 Resp: 301565
Ion Ratio Lower Upper
95 100
174 103.3 0.0 169.4
176 102.7 0.0 162.6



Abundance Ion 95.00 (94.70 to 95.70): VD057960.D (-1184) (-)
Ion 173.90 (173.60 to 174.60): VD057960.D (-1184) (-)
Ion 175.90 (175.60 to 176.60): VD057960.D (-1184) (-)

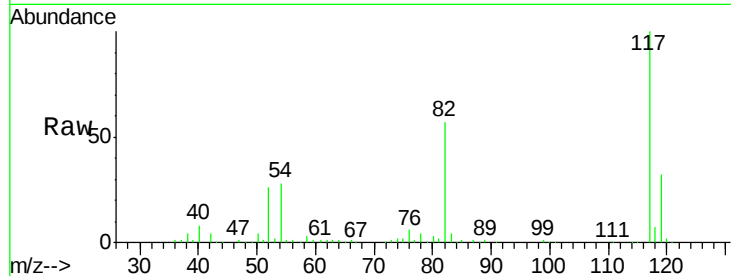




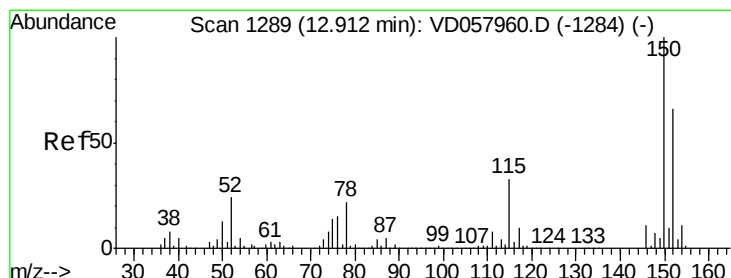
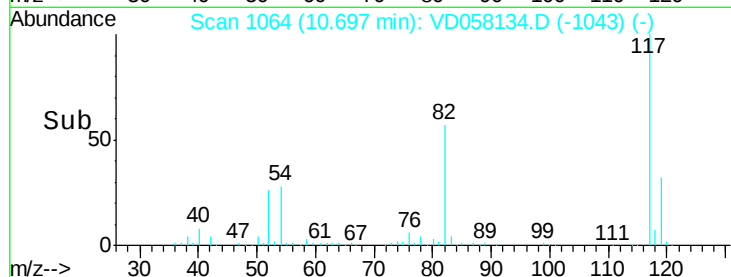
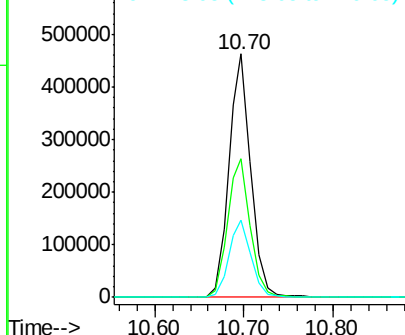
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.70 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VD058134.D
Acq: 14 Jun 2018 14:30

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 800580
Ion Ratio Lower Upper
117 100
82 56.7 46.8 70.2
119 31.8 25.8 38.6

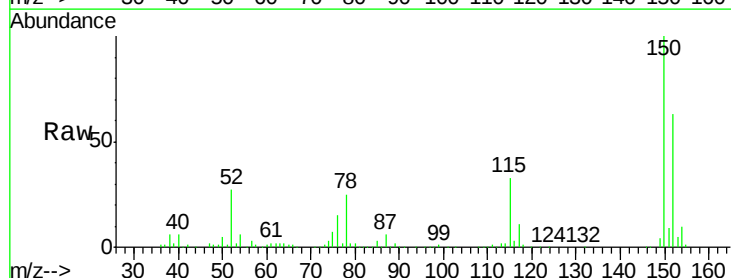


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

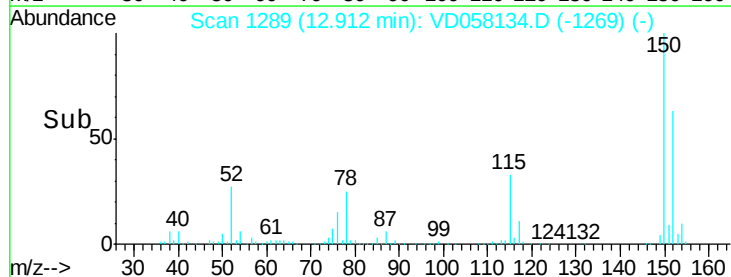
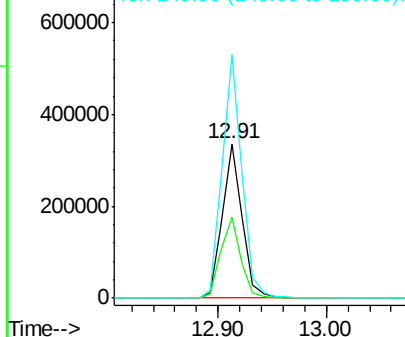


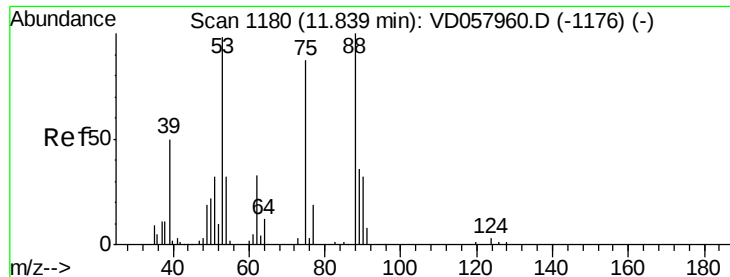
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VD058134.D
Acq: 14 Jun 2018 14:30

Tgt Ion:152 Resp: 423894
Ion Ratio Lower Upper
152 100
115 52.1 25.6 76.6
150 157.7 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

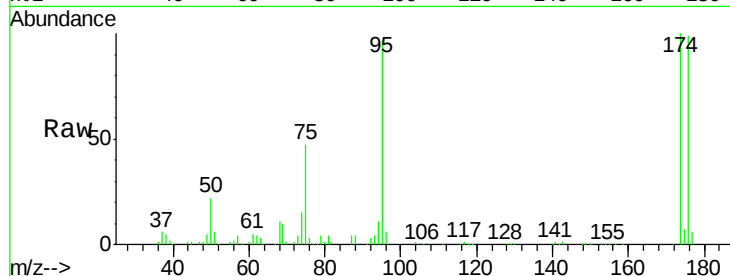




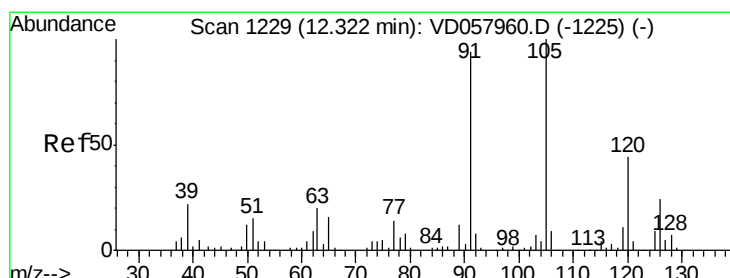
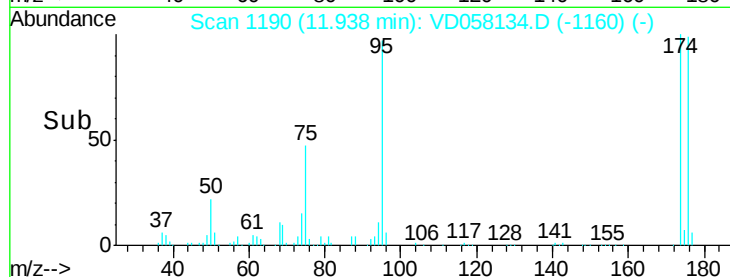
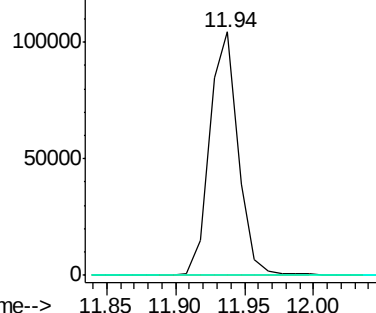
#81
trans-1,4-Dichloro-2-butene
Concen: 95.284 ug/l
RT: 11.94 min Scan# 1190
Delta R.T. 0.10 min
Lab File: VD058134.D
Acq: 14 Jun 2018 14:30

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 75 Resp: 150275
Ion Ratio Lower Upper
75 100
53 0.0 89.3 133.9#
89 0.0 33.3 49.9#

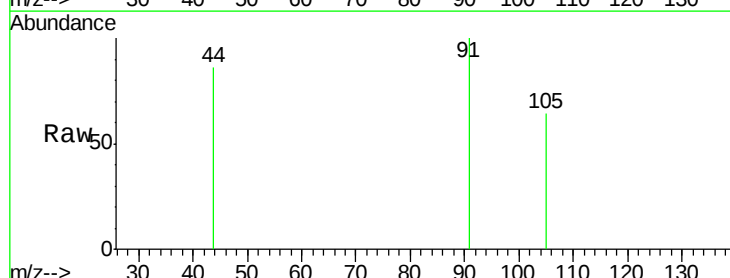


Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC

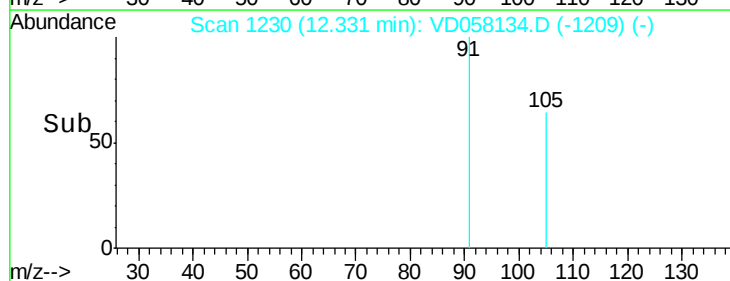
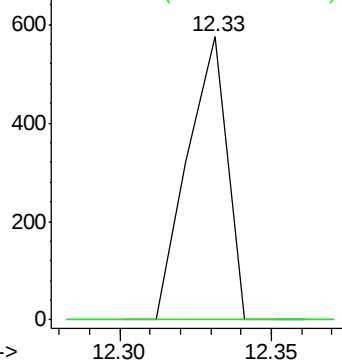


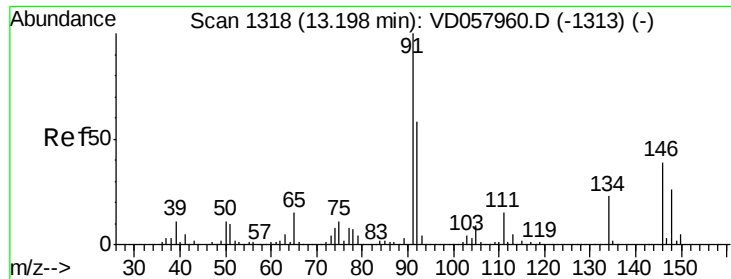
#82
4-Chlorotoluene
Concen: Below Cal
RT: 12.33 min Scan# 1230
Delta R.T. 0.01 min
Lab File: VD058134.D
Acq: 14 Jun 2018 14:30

Tgt Ion: 91 Resp: 529
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: 13.20 min Scan# 1318
 Delta R.T. 0.00 min
 Lab File: VD058134.D
 Acq: 14 Jun 2018 14:30

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 91 Resp: 619
 Ion Ratio Lower Upper
 91 100
 92 84.7 29.2 87.6
 134 0.0 11.3 33.9#

