

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060818\
 Data File : VD058047.D
 Acq On : 9 Jun 2018 6:51
 Operator : VA/AP
 Sample : J3353-02
 Misc : 6.49g/5ml/MSVOA D/SOIL
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 11 04:06:23 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

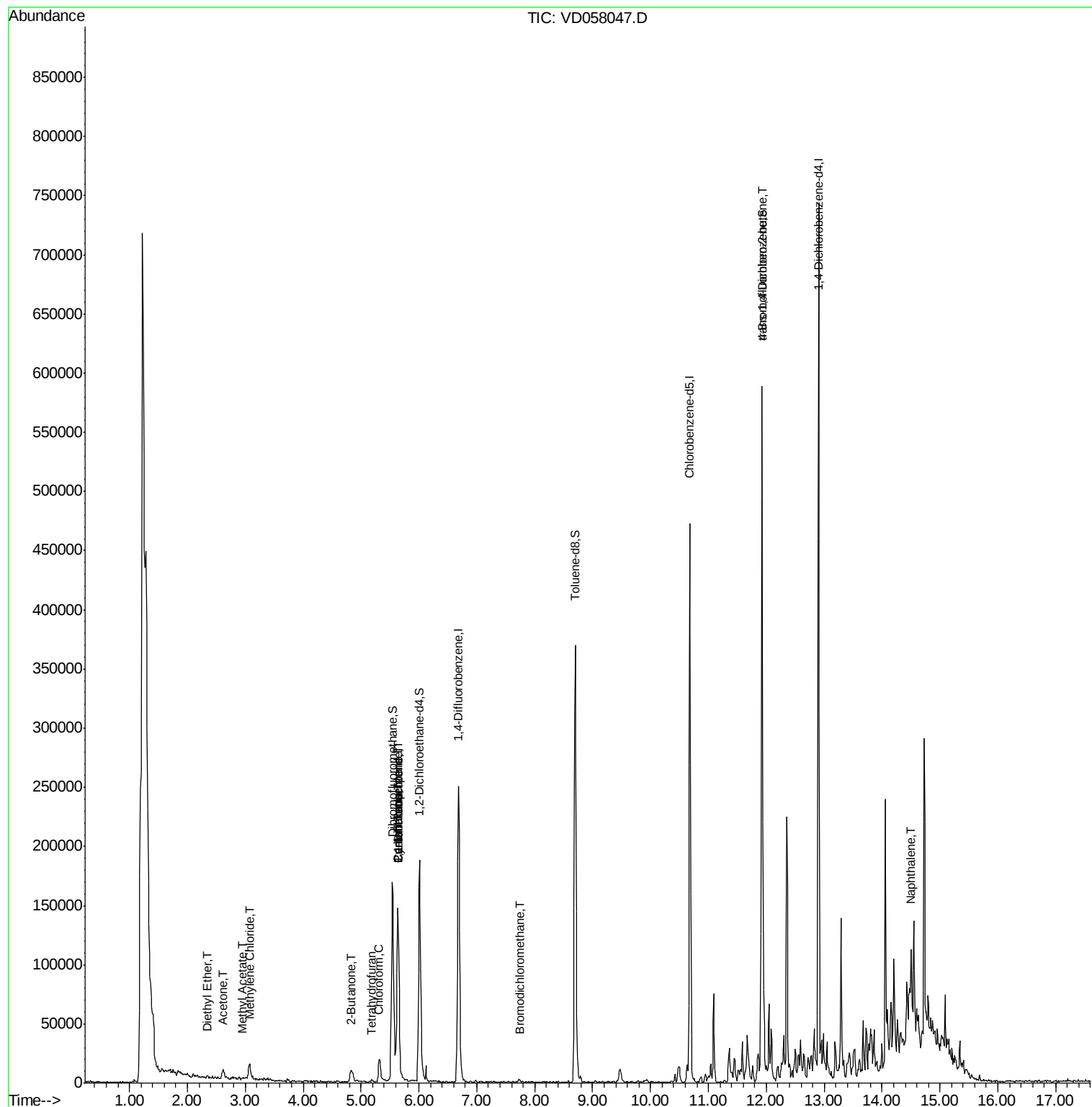
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	146984	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.68	114	246777	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.68	117	253525	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	147689	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.01	65	183563	124.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	249.84%	
35) Dibromofluoromethane	5.54	113	143349	75.08	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	150.16%	
50) Toluene-d8	8.70	98	285963	63.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	126.00%	
62) 4-Bromofluorobenzene	11.93	95	152293	76.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	153.82%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.35	74	460	1.926	ug/l	97
16) Acetone	2.62	43	19561	92.395	ug/l #	87
18) Methyl Acetate	2.95	43	435	1.062	ug/l #	66
20) Methylene Chloride	3.08	84	6464	5.862	ug/l #	79
25) 2-Butanone	4.83	43	2070	4.302	ug/l #	64
29) Tetrahydrofuran	5.18	42	1506	5.971	ug/l #	50
30) Chloroform	5.32	83	21358	7.167	ug/l	85
31) Cyclohexane	5.64	56	3987	1.560	ug/l #	16
36) 1,1-Dichloropropene	5.63	75	13718	5.046	ug/l #	45
38) Carbon Tetrachloride	5.64	117	12545	4.682	ug/l #	12
47) Bromodichloromethane	7.73	83	3023	1.139	ug/l #	85
81) trans-1,4-Dichloro-2-buten	11.93	75	72439	131.830	ug/l #	7
82) 4-Chlorotoluene	12.32	91	1109	Below Cal	#	50
89) n-Butylbenzene	13.19	91	602	Below Cal	#	30
95) Naphthalene	14.51	128	23060	4.836	ug/l	98

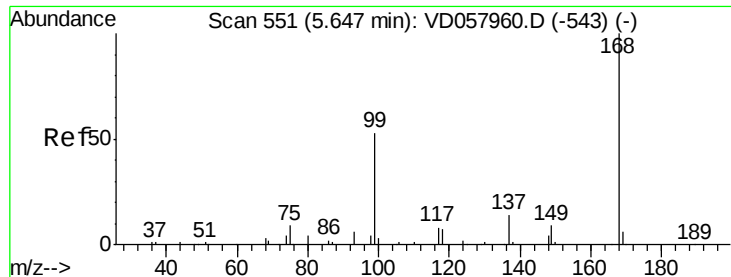
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD060818\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.01 min

Lab File: VD058047.D

Acq: 9 Jun 2018 6:51

Instrument :

MSVOA_D

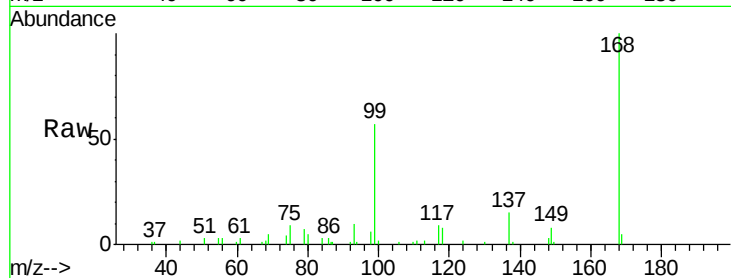
ClientSampled :

Tot Ion:168 Resp: 146984

Ion Ratio Lower Upper

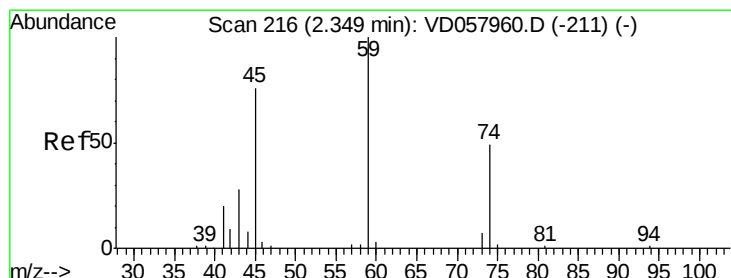
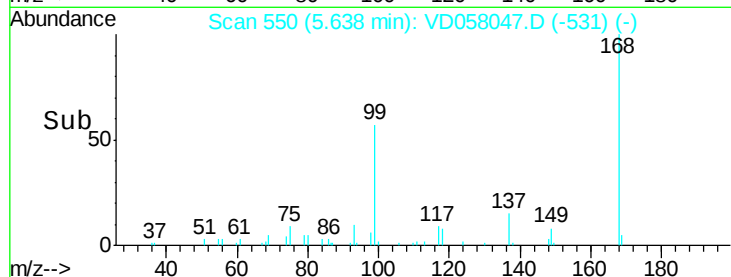
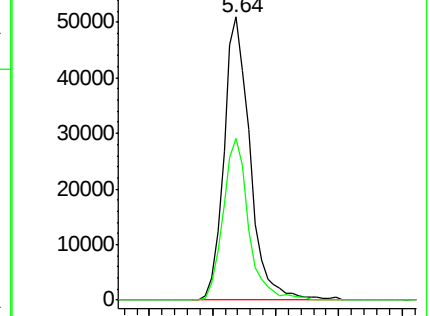
168 100

99 57.1 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#8

Diethyl Ether

Concen: 1.926 ug/l

RT: 2.35 min Scan# 216

Delta R.T. 0.00 min

Lab File: VD058047.D

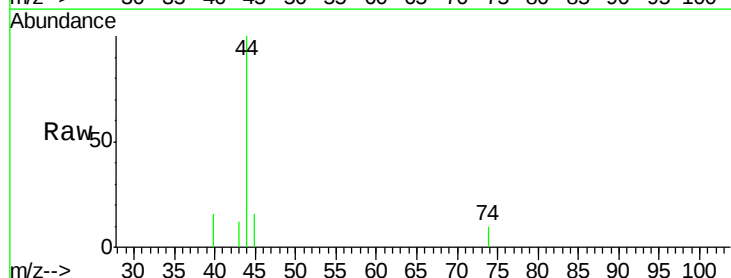
Acq: 9 Jun 2018 6:51

Tgt Ion: 74 Resp: 460

Ion Ratio Lower Upper

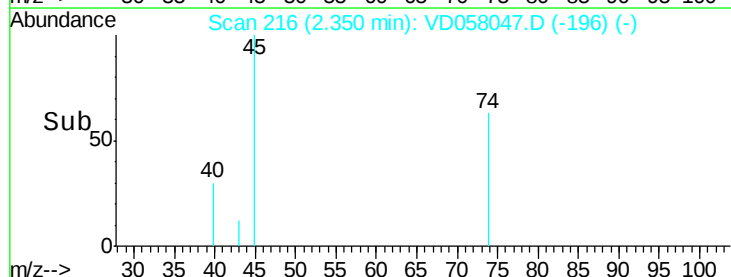
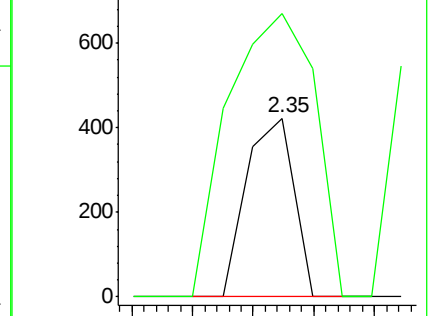
74 100

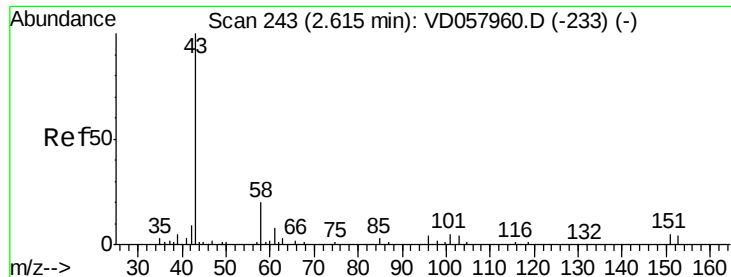
45 158.2 77.1 231.3



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

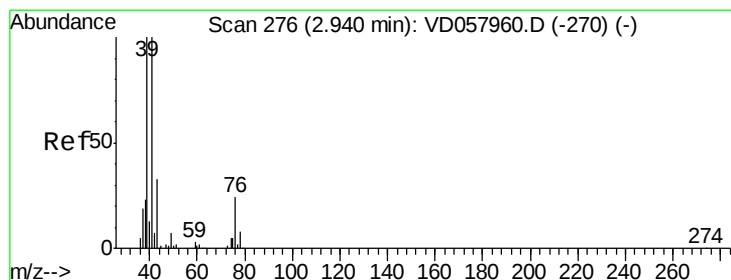
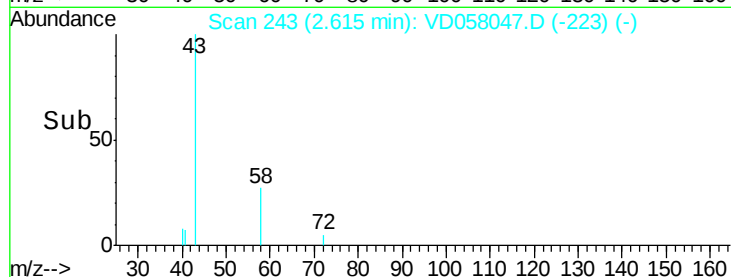
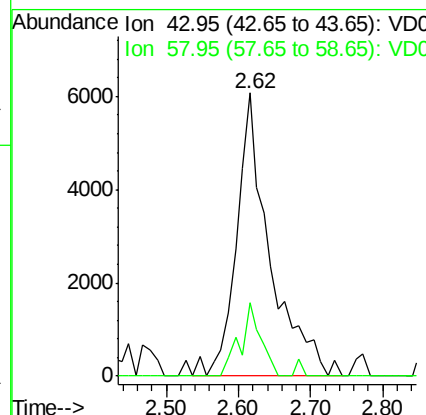
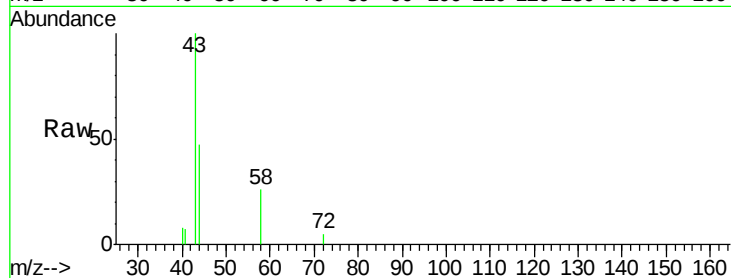




#16
Acetone
Concen: 92.395 ug/l
RT: 2.62 min Scan# 243
Delta R.T. 0.00 min
Lab File: VD058047.D
Acq: 9 Jun 2018 6:51

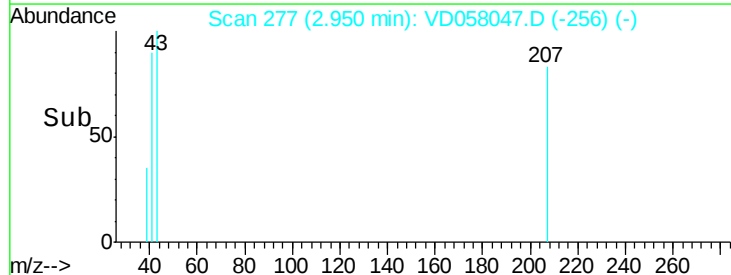
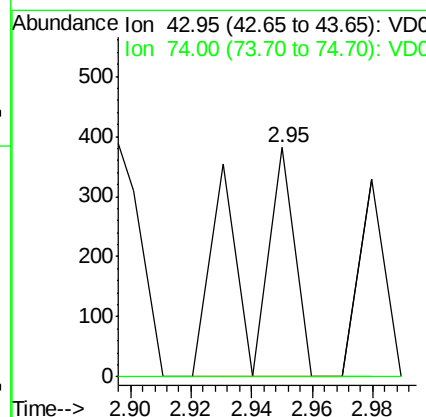
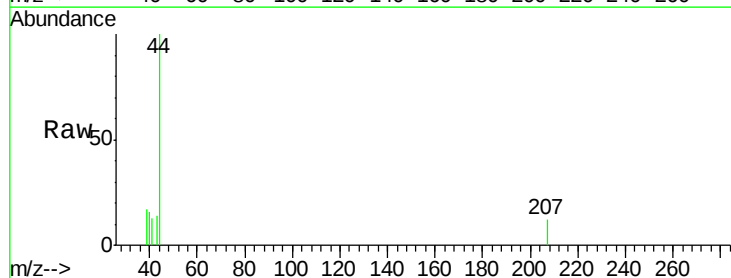
Instrument :
MSVOA_D
ClientSampleId :

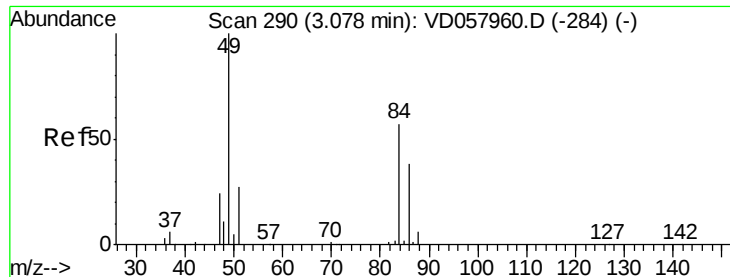
Tot Ion: 43 Resp: 19561
Ion Ratio Lower Upper
43 100
58 25.9 15.8 23.8#



#18
Methyl Acetate
Concen: 1.062 ug/l
RT: 2.95 min Scan# 277
Delta R.T. 0.01 min
Lab File: VD058047.D
Acq: 9 Jun 2018 6:51

Tgt Ion: 43 Resp: 435
Ion Ratio Lower Upper
43 100
74 0.0 11.2 16.8#

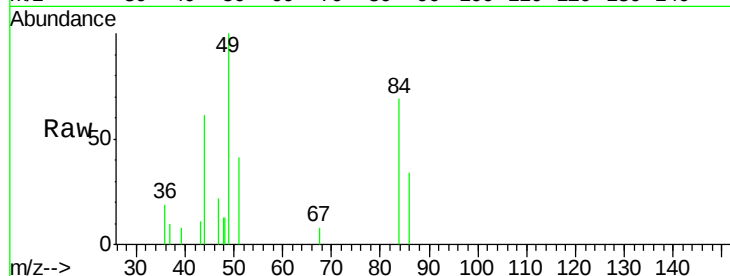




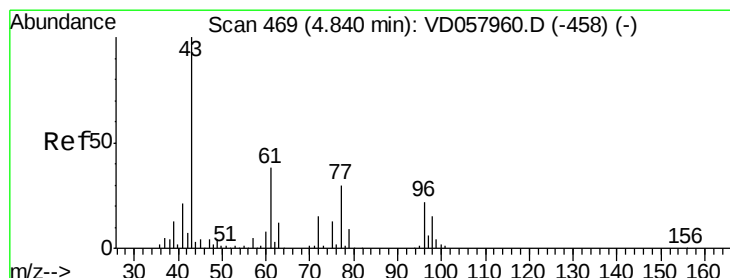
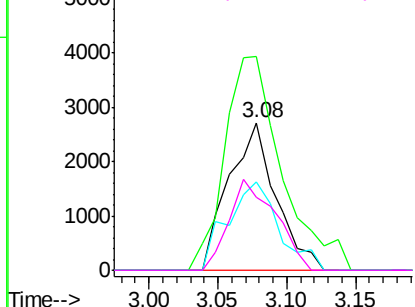
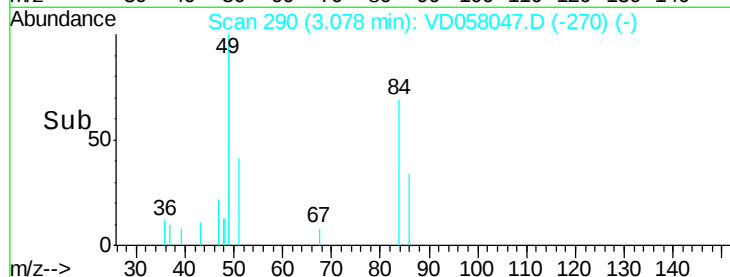
#20
Methvlene Chloride
Concen: 5.862 ug/l
RT: 3.08 min Scan# 290
Delta R.T. 0.00 min
Lab File: VD058047.D
Acq: 9 Jun 2018 6:51

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 6464
Ion Ratio Lower Upper
84 100
49 144.8 141.4 212.0
51 59.5 38.3 57.5#
86 49.6 52.9 79.3#

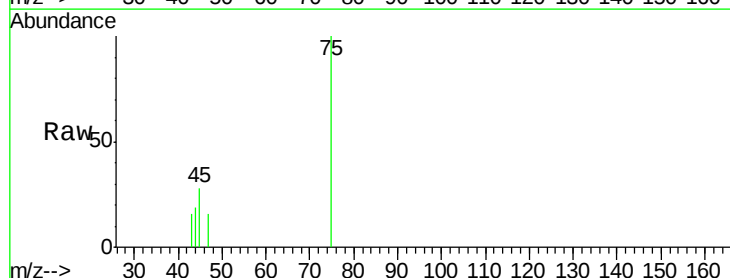


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

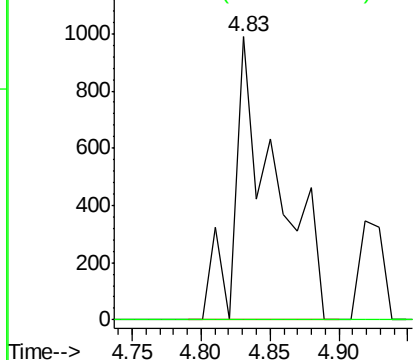
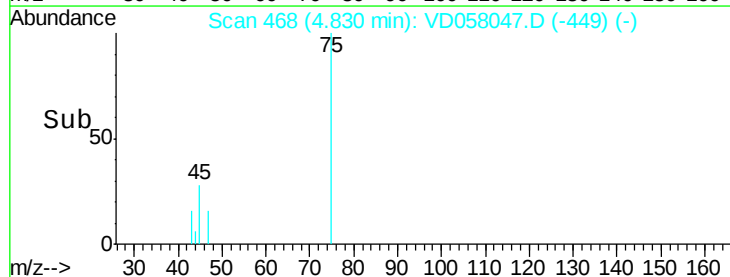


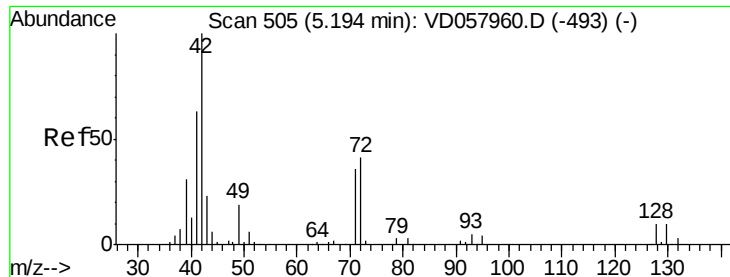
#25
2-Butanone
Concen: 4.302 ug/l
RT: 4.83 min Scan# 468
Delta R.T. -0.01 min
Lab File: VD058047.D
Acq: 9 Jun 2018 6:51

Tgt Ion: 43 Resp: 2070
Ion Ratio Lower Upper
43 100
72 0.0 12.0 18.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC

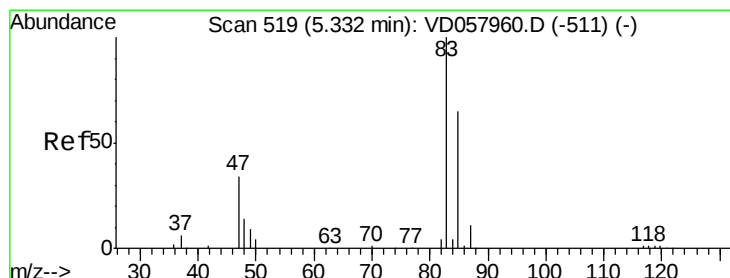
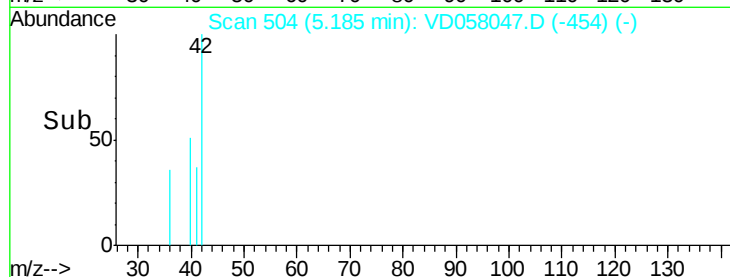
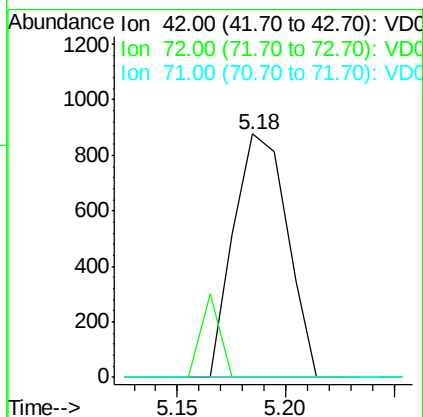
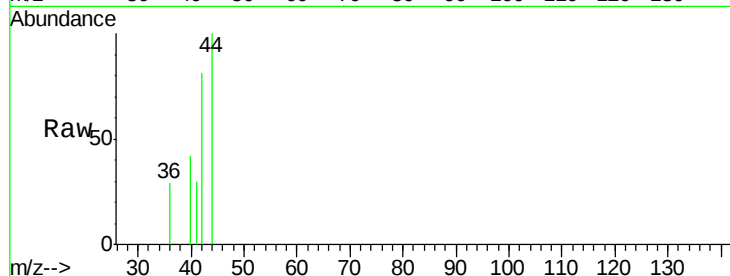




#29
Tetrahydrofuran
Concen: 5.971 ug/l
RT: 5.18 min Scan# 504
Delta R.T. -0.01 min
Lab File: VD058047.D
Acq: 9 Jun 2018 6:51

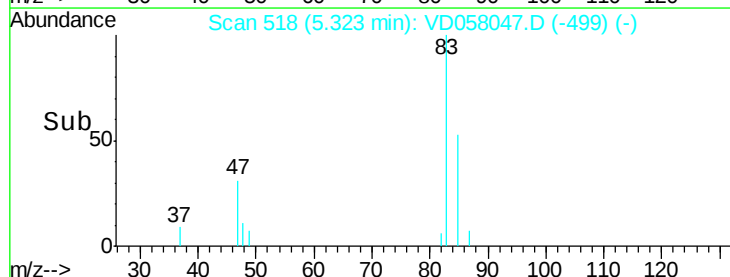
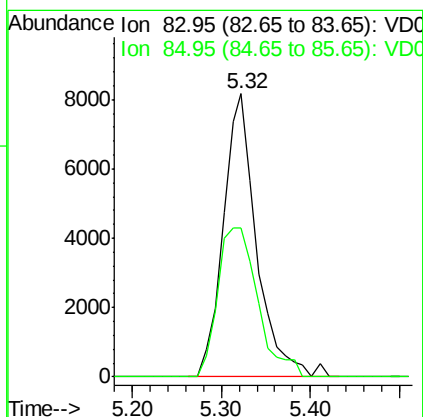
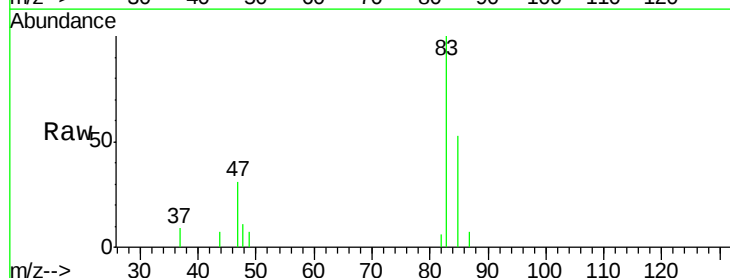
Instrument :
MSVOA_D
ClientSampleId :

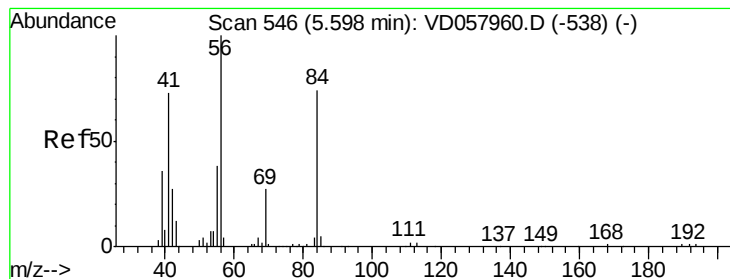
Tot Ion	Ratio	Lower	Upper
42	100		
72	11.8	28.5	42.7#
71	0.0	27.9	41.9#



#30
Chloroform
Concen: 7.167 ug/l
RT: 5.32 min Scan# 518
Delta R.T. -0.01 min
Lab File: VD058047.D
Acq: 9 Jun 2018 6:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	52.6	51.6	77.4





#31

Cvclohexane

Concen: 1.560 ug/l

RT: 5.64 min Scan# 550

Delta R.T. 0.04 min

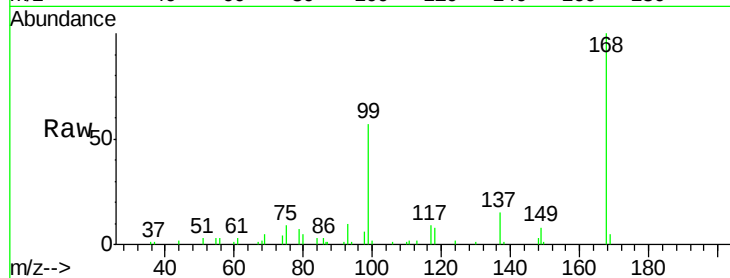
Lab File: VD058047.D

Acq: 9 Jun 2018 6:51

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 3987

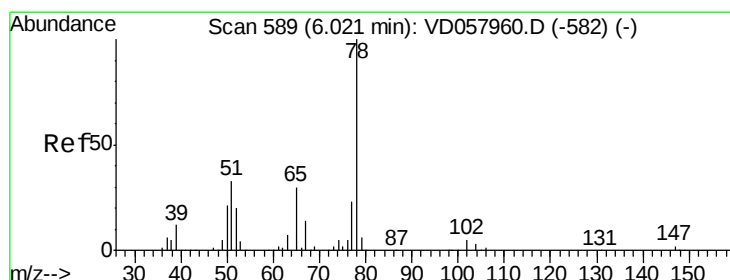
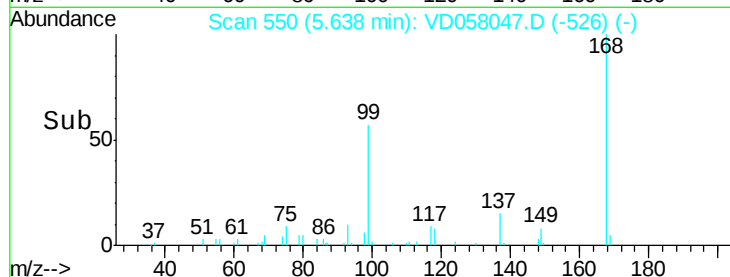
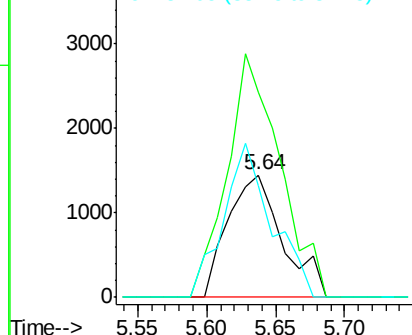
Ion	Ratio	Lower	Upper
56	100		
69	167.7	21.5	32.3#
84	91.3	61.0	91.6



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: N.D. ug/l

RT: 6.01 min Scan# 588

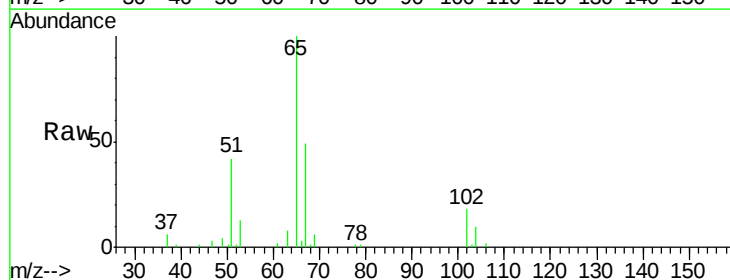
Delta R.T. -0.01 min

Lab File: VD058047.D

Acq: 9 Jun 2018 6:51

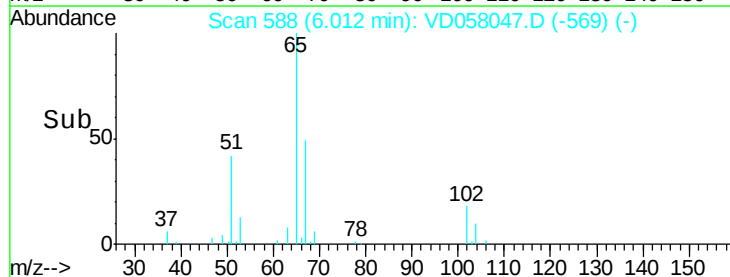
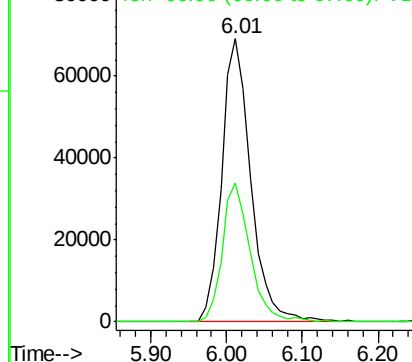
Tgt Ion: 65 Resp: 183563

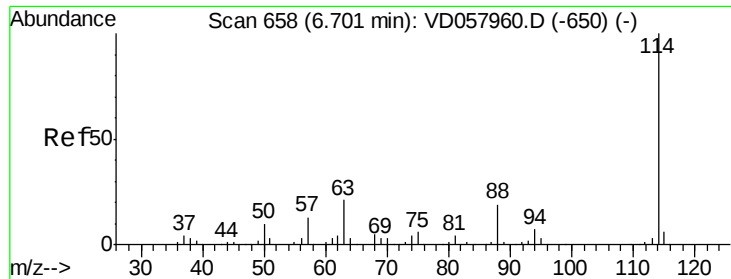
Ion	Ratio	Lower	Upper
65	100		
67	49.2	0.0	94.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

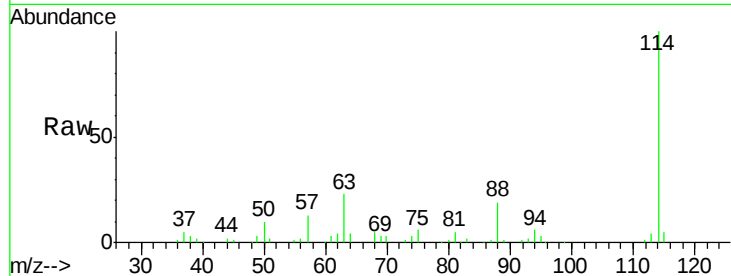




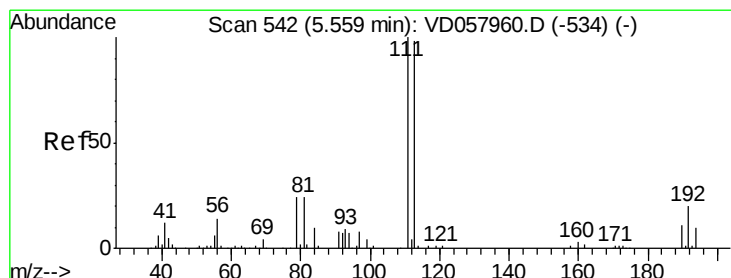
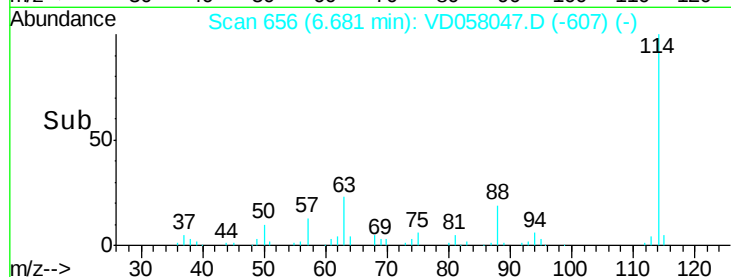
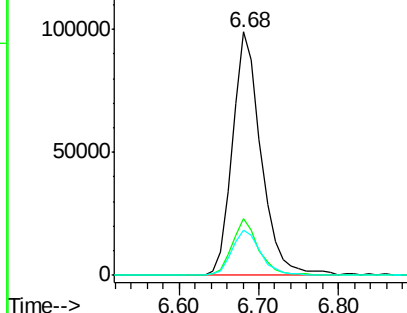
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.68 min Scan# 656
 Delta R.T. -0.02 min
 Lab File: VD058047.D
 Acq: 9 Jun 2018 6:51

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 246777
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 42.8
 88 18.7 0.0 37.8

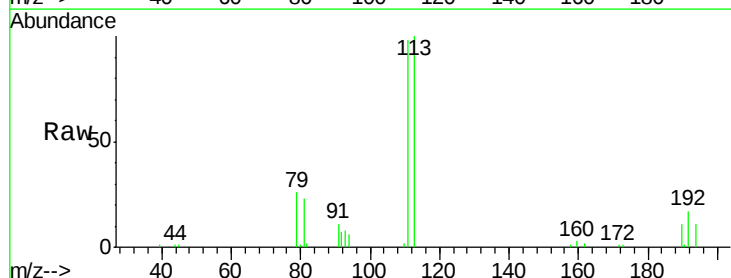


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC

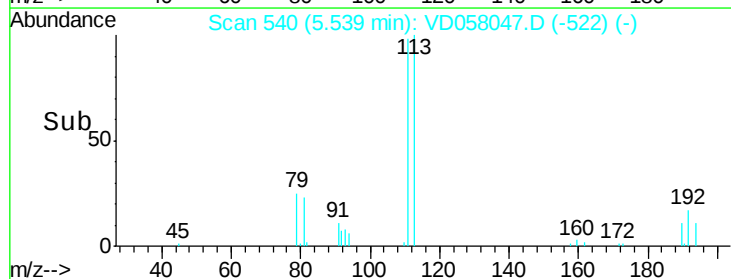
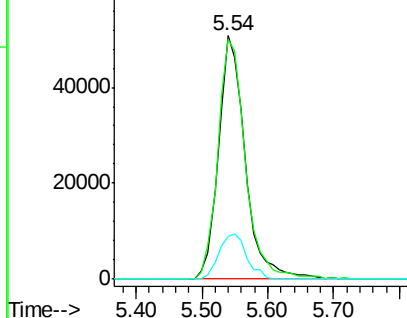


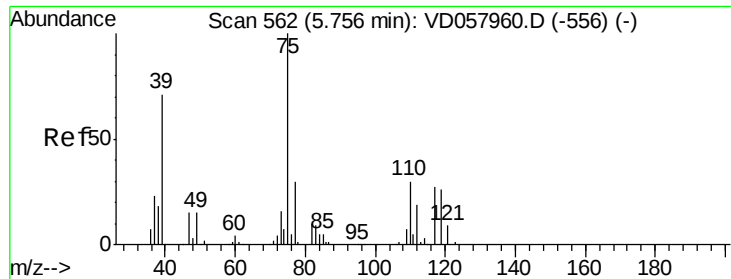
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.54 min Scan# 540
 Delta R.T. -0.02 min
 Lab File: VD058047.D
 Acq: 9 Jun 2018 6:51

Tgt Ion:113 Resp: 143349
 Ion Ratio Lower Upper
 113 100
 111 98.3 81.5 122.3
 192 17.3 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: 5.046 ug/l

RT: 5.63 min Scan# 549

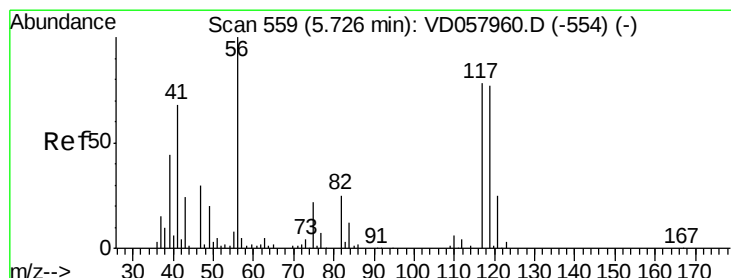
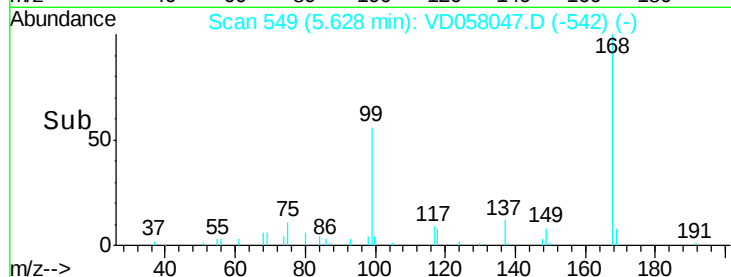
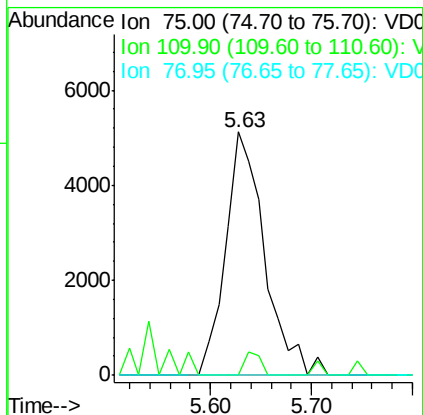
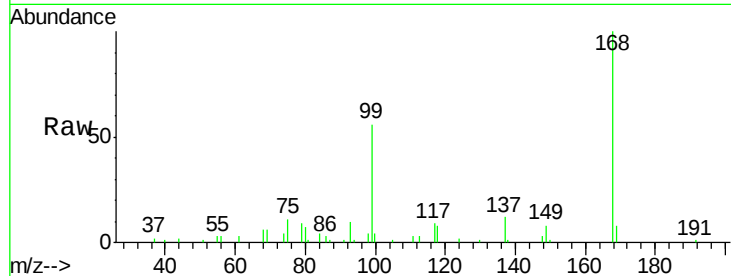
Delta R.T. -0.13 min

Lab File: VD058047.D

Acq: 9 Jun 2018 6:51

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	75	Resp:	13718
Ion	Ratio	Lower	Upper
75	100		
110	0.0	14.8	44.3#
77	0.0	23.9	35.9#



#38

Carbon Tetrachloride

Concen: 4.682 ug/l

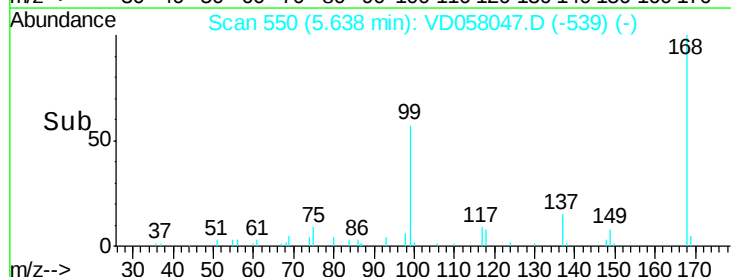
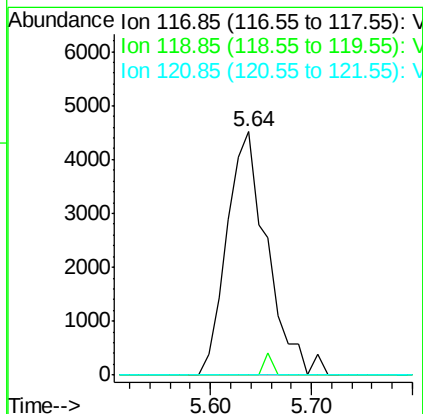
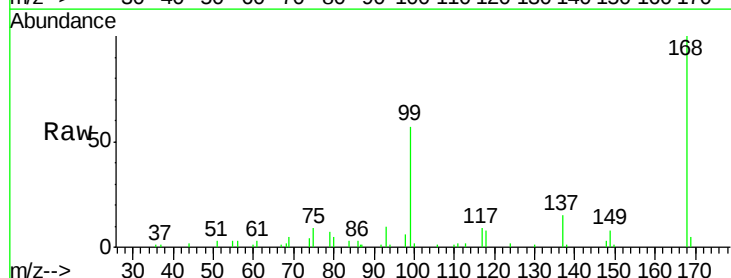
RT: 5.64 min Scan# 550

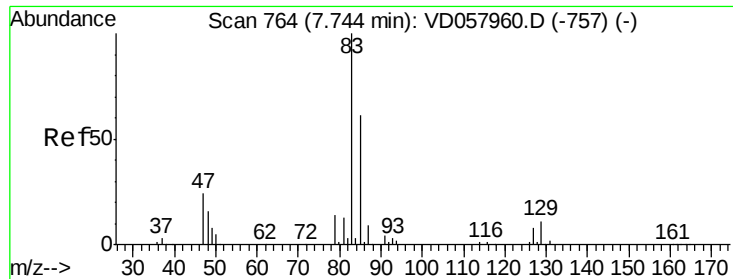
Delta R.T. -0.09 min

Lab File: VD058047.D

Acq: 9 Jun 2018 6:51

Tgt Ion:	117	Resp:	12545
Ion	Ratio	Lower	Upper
117	100		
119	0.0	76.1	114.1#
121	0.0	24.9	37.3#





#47

Bromodichloromethane

Concen: 1.139 ug/l

RT: 7.73 min Scan# 763

Delta R.T. -0.01 min

Lab File: VD058047.D

Acq: 9 Jun 2018 6:51

Instrument :

MSVOA_D

ClientSampleId :

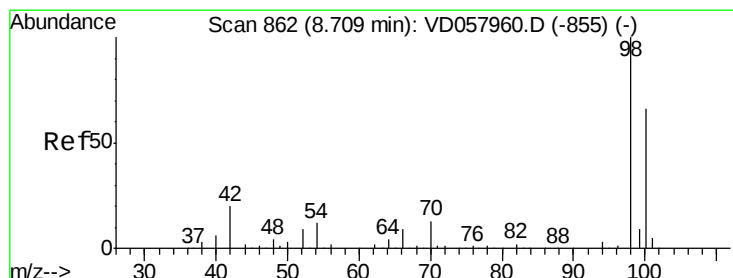
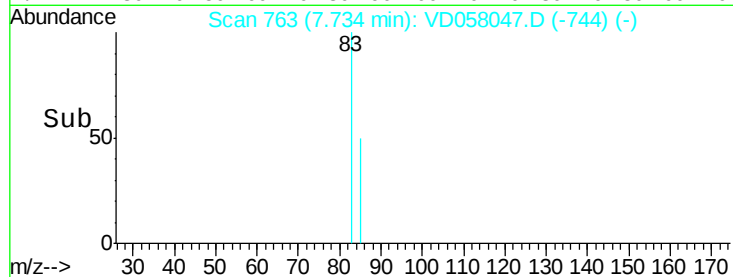
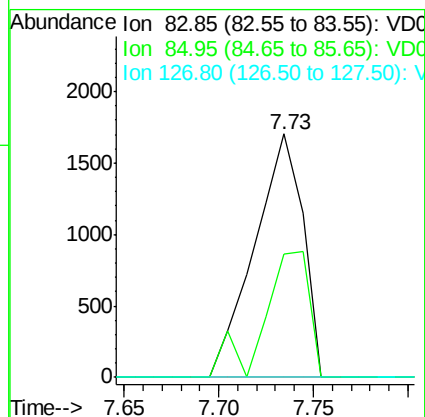
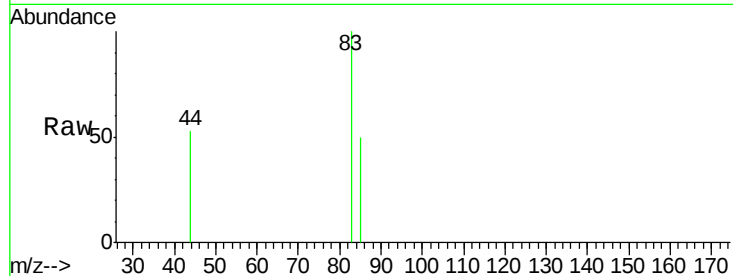
Tot Ion: 83 Resp: 3023

Ion Ratio Lower Upper

83 100

85 50.5 49.1 73.7

127 0.0 6.2 9.2#



#50

Toluene-d8

Concen: N.D. ug/l

RT: 8.70 min Scan# 861

Delta R.T. -0.01 min

Lab File: VD058047.D

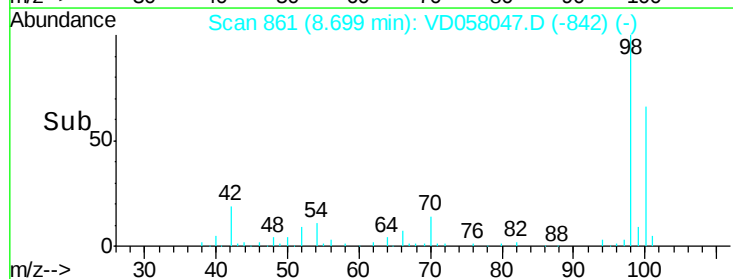
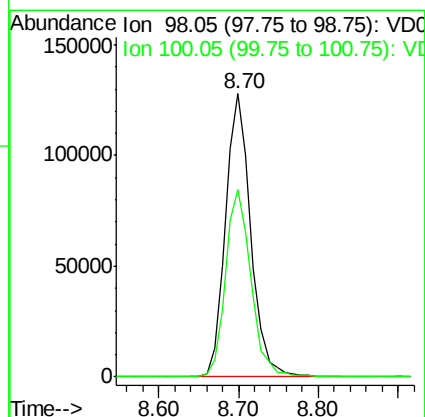
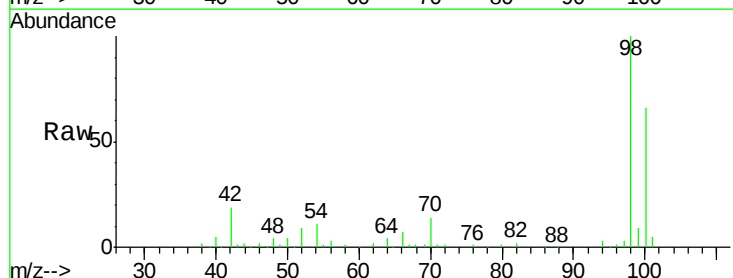
Acq: 9 Jun 2018 6:51

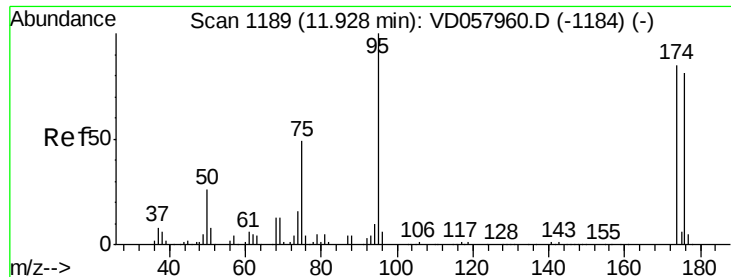
Tgt Ion: 98 Resp: 285963

Ion Ratio Lower Upper

98 100

100 66.3 53.4 80.0





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VD058047.D

Acq: 9 Jun 2018 6:51

Instrument :

MSVOA_D

ClientSampled :

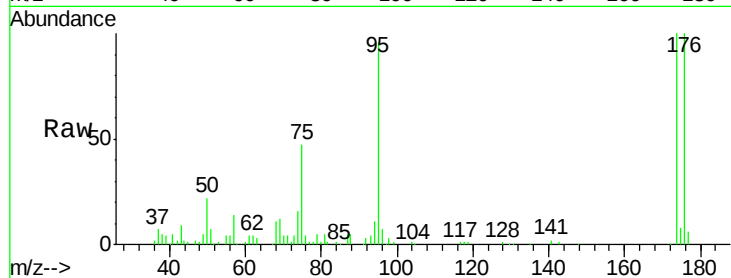
Tot Ion: 95 Resp: 152293

Ion Ratio Lower Upper

95 100

174 104.5 0.0 169.4

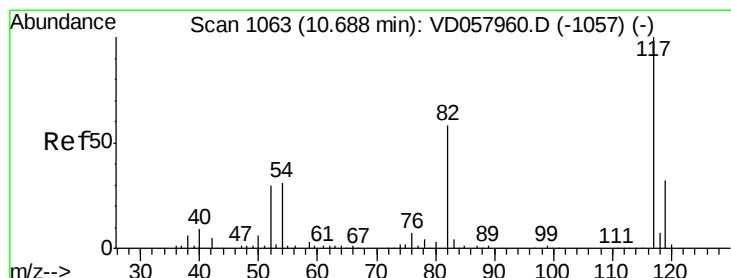
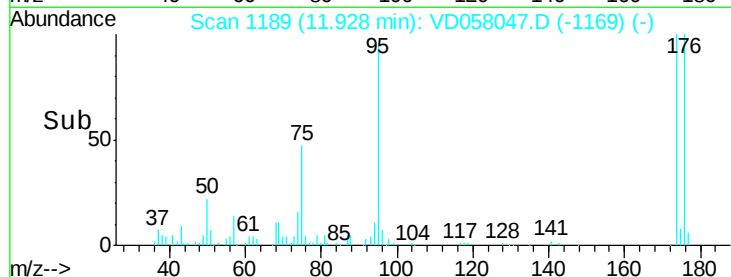
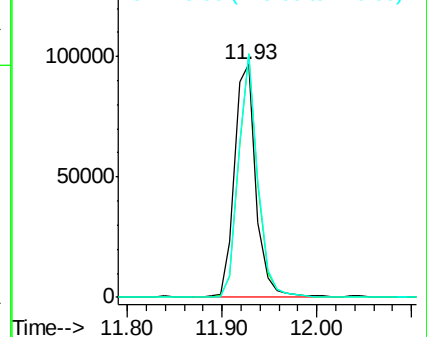
176 104.6 0.0 162.6



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: 10.68 min Scan# 1062

Delta R.T. -0.01 min

Lab File: VD058047.D

Acq: 9 Jun 2018 6:51

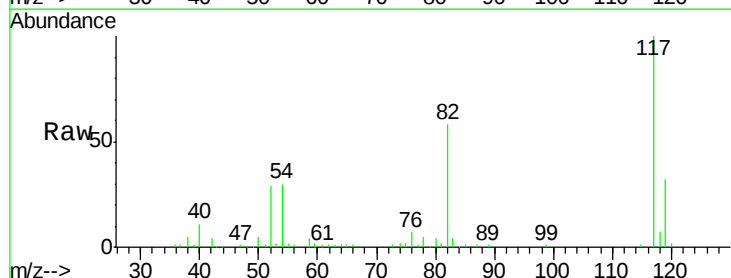
Tgt Ion: 117 Resp: 253525

Ion Ratio Lower Upper

117 100

82 57.6 46.8 70.2

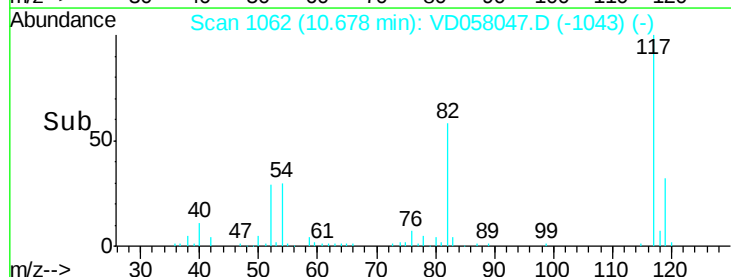
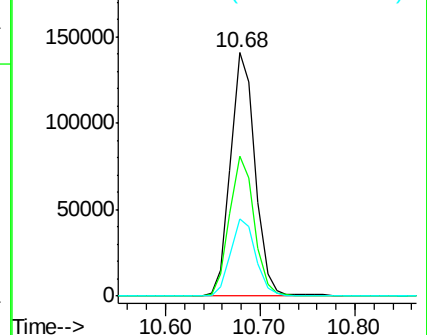
119 31.7 25.8 38.6

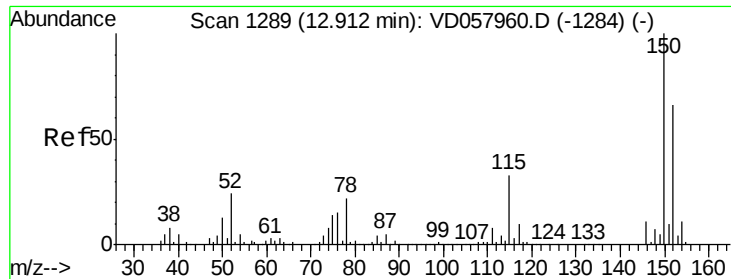


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.90 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VD058047.D

Acq: 9 Jun 2018 6:51

Instrument :

MSVOA_D

ClientSampled :

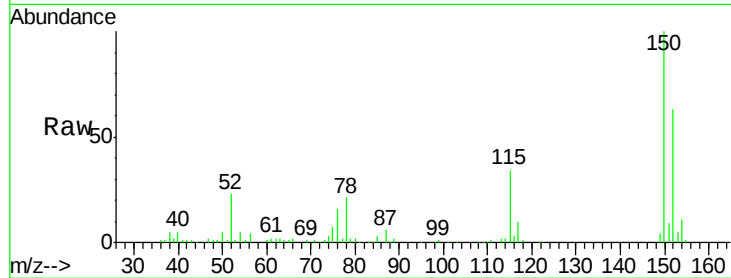
Tot Ion:152 Resp: 147689

Ion Ratio Lower Upper

152 100

115 53.5 25.6 76.6

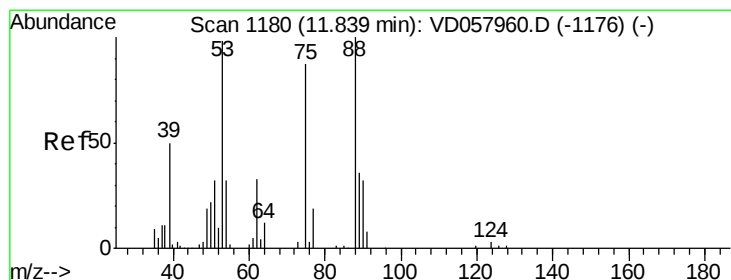
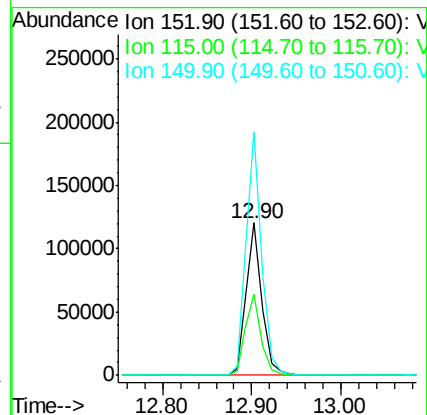
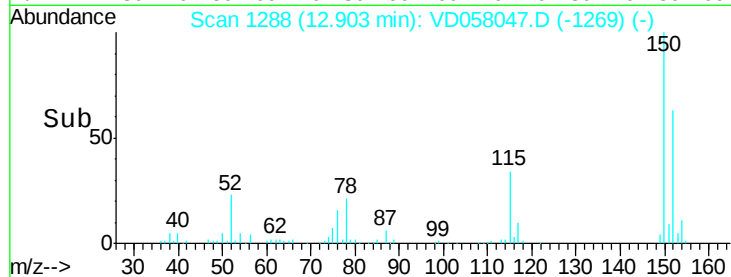
150 159.5 0.0 306.8



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: 131.830 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.09 min

Lab File: VD058047.D

Acq: 9 Jun 2018 6:51

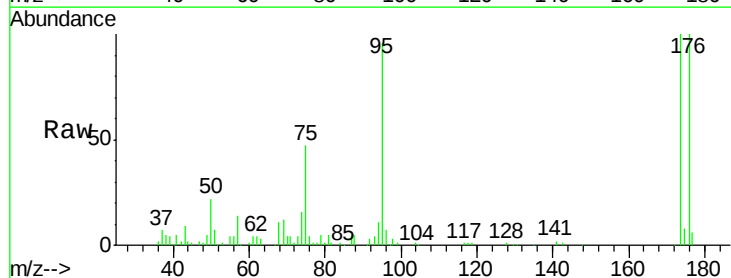
Tgt Ion: 75 Resp: 72439

Ion Ratio Lower Upper

75 100

53 1.2 89.3 133.9#

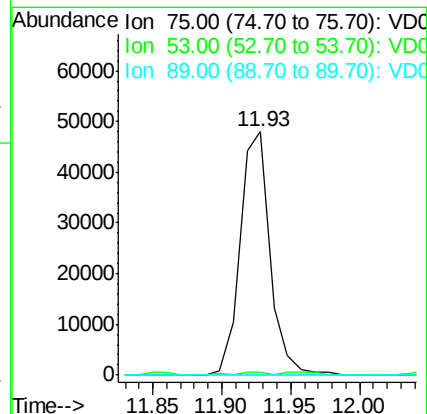
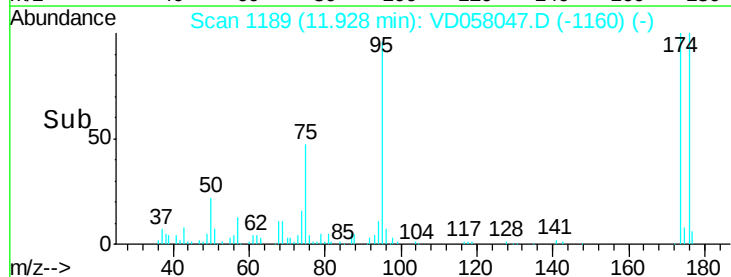
89 0.0 33.3 49.9#

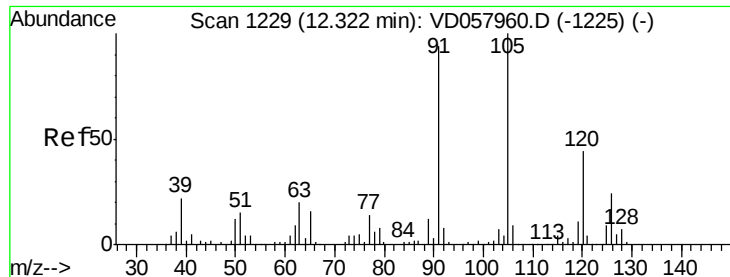


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

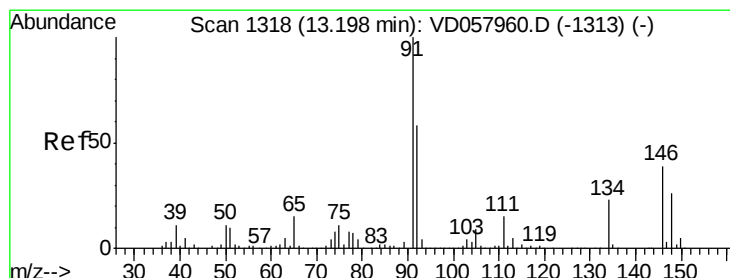
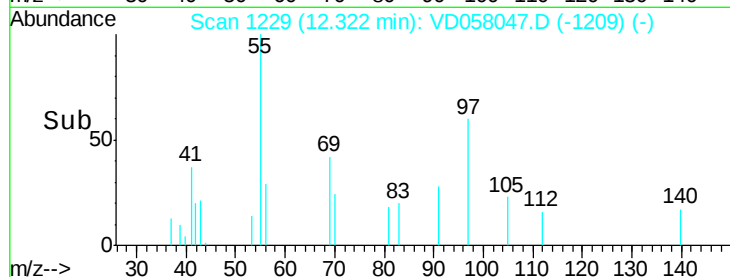
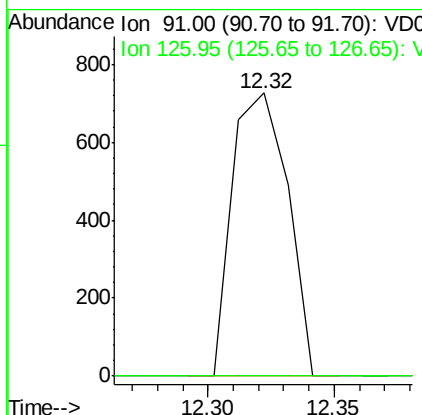
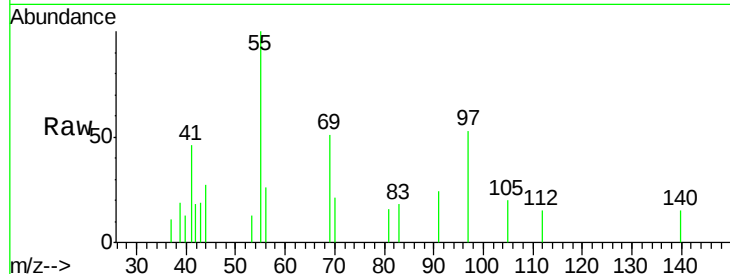




#82
 4-Chlorotoluene
 Concen: Below Cal
 RT: 12.32 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VD058047.D
 Acq: 9 Jun 2018 6:51

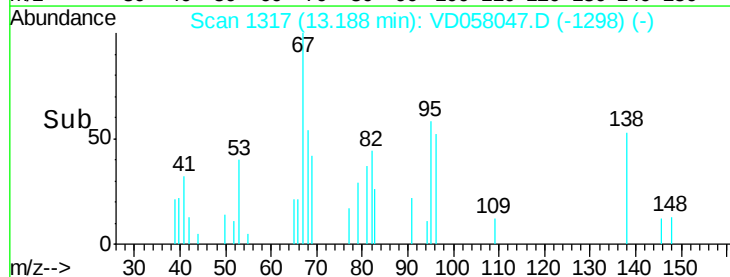
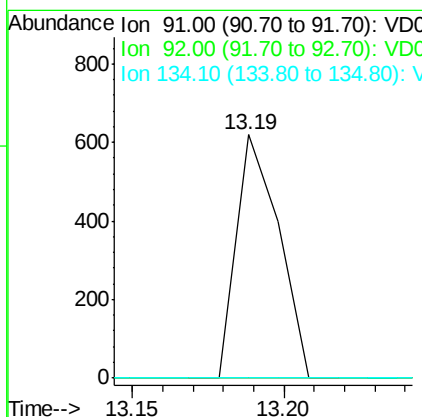
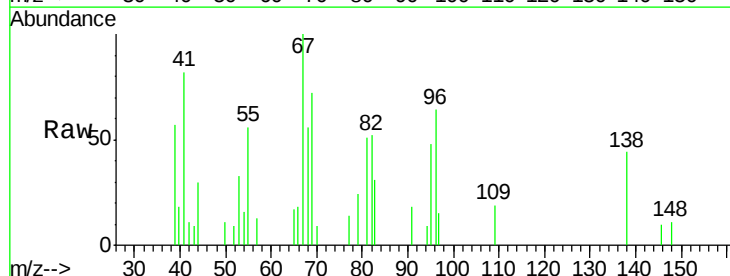
Instrument :
 MSVOA_D
 ClientSampleId :

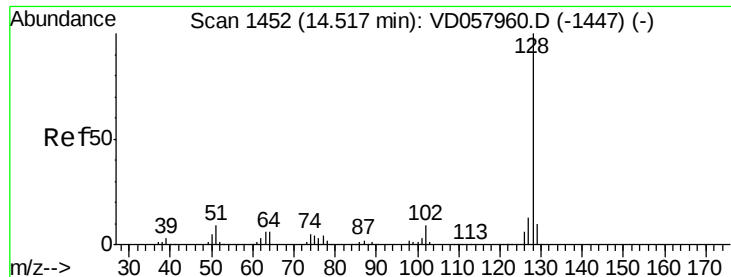
Tot Ion: 91 Resp: 1109
 Ion Ratio Lower Upper
 91 100
 126 0.0 12.5 37.5#



#89
 n-Butylbenzene
 Concen: Below Cal
 RT: 13.19 min Scan# 1317
 Delta R.T. -0.01 min
 Lab File: VD058047.D
 Acq: 9 Jun 2018 6:51

Tgt Ion: 91 Resp: 602
 Ion Ratio Lower Upper
 91 100
 92 0.0 29.2 87.6#
 134 0.0 11.3 33.9#

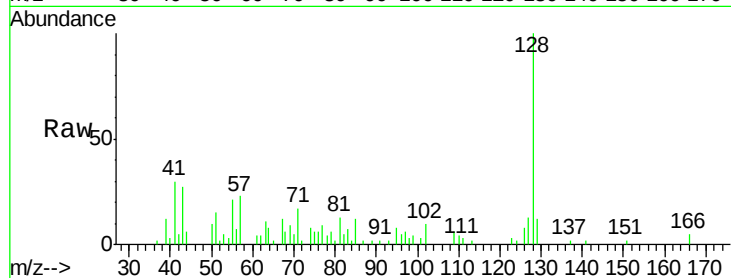




#95
 Naphthalene
 Concen: 4.836 ug/l
 RT: 14.51 min Scan# 1451
 Delta R.T. -0.01 min
 Lab File: VD058047.D
 Acq: 9 Jun 2018 6:51

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	11.8	8.2	12.2



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

