

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062718\
 Data File : VD059447.D
 Acq On : 27 Jun 2018 16:26
 Operator : VA/AP
 Sample : J3629-10
 Misc : 5.41g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 28 02:58:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 07:29:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	550275	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.70	114	734127	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.68	117	500522	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.91	152	158154	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	242520	43.10	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	86.20%	
35) Dibromofluoromethane	5.55	113	259604	43.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.82%	
50) Toluene-d8	8.70	98	462677	33.10	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	66.20%	
62) 4-Bromofluorobenzene	11.93	95	144928	24.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	49.84%	

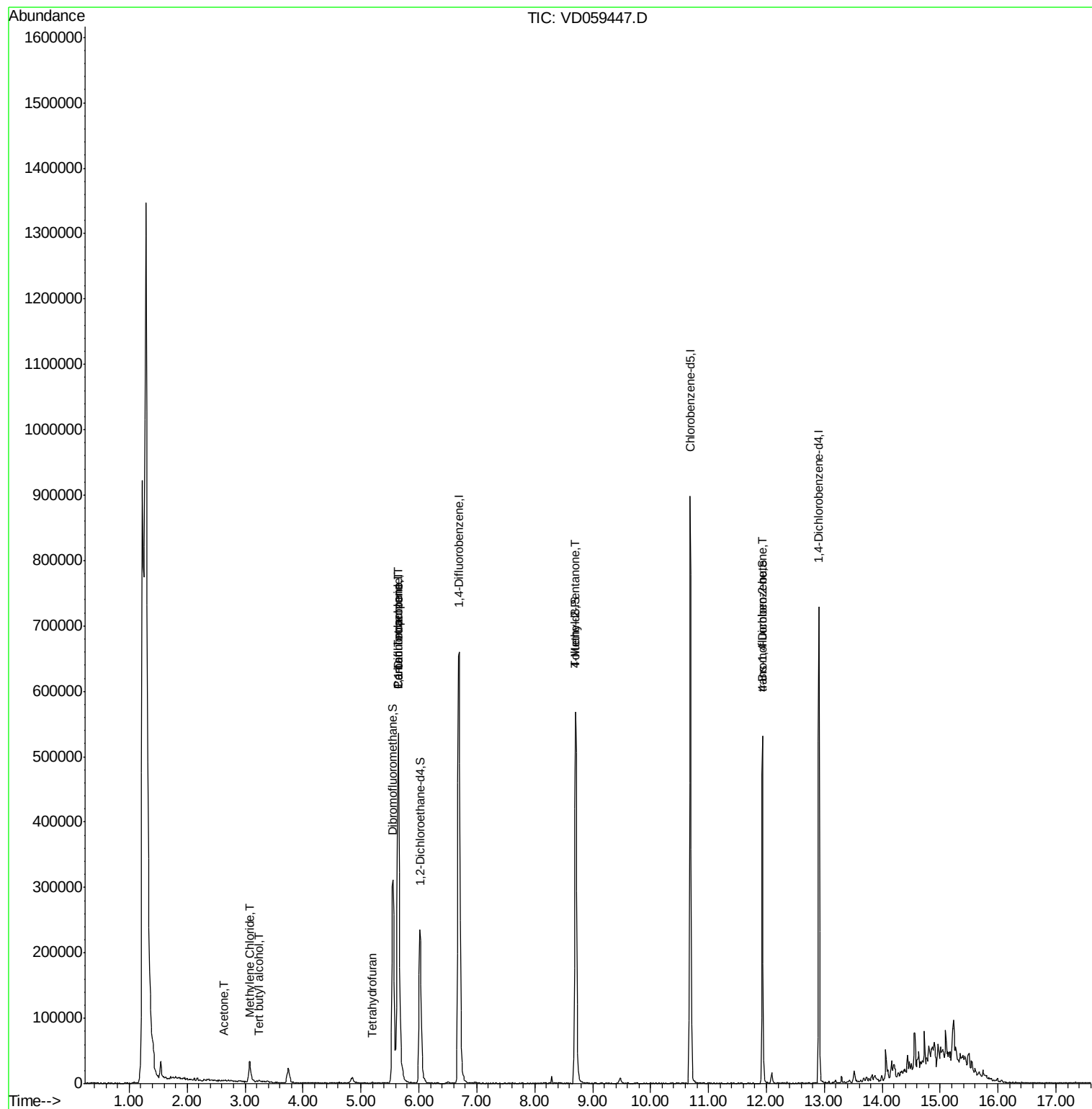
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.85	94	272	Below Cal	#	4
11) Tert butyl alcohol	3.25	59	1892	9.719	ug/l #	72
16) Acetone	2.63	43	3143	4.425	ug/l #	55
18) Methyl Acetate	2.91	43	803	Below Cal	#	66
20) Methylene Chloride	3.08	84	15598	5.709	ug/l	96
29) Tetrahydrofuran	5.20	42	985	1.210	ug/l #	37
31) Cyclohexane	5.63	56	12460	Below Cal	#	7
36) 1,1-Dichloropropene	5.64	75	45401	6.817	ug/l #	51
38) Carbon Tetrachloride	5.64	117	47641	6.939	ug/l #	15
51) 4-Methyl-2-Pentanone	8.69	43	3426	1.009	ug/l #	1
81) trans-1,4-Dichloro-2-buten	11.92	75	72565	146.350	ug/l #	1

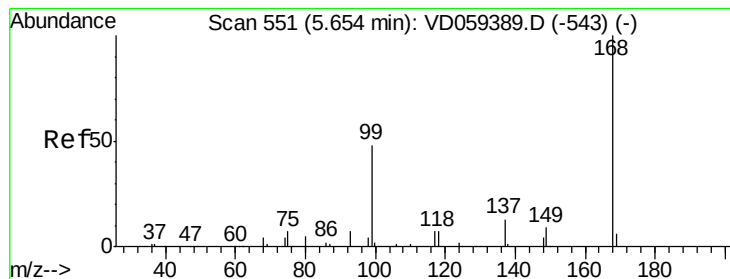
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062718\
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Quant Time: Jun 28 02:58:38 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
Quant Title : SW846 8260
QLast Update : Mon Jun 25 07:29:35 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: VD059447.D

Acq: 27 Jun 2018 16:26

Instrument :

MSVOA_D

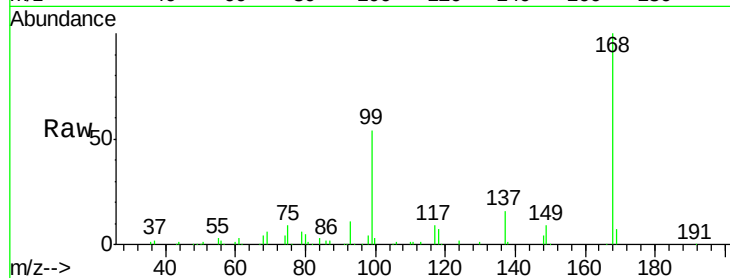
ClientSampleId :

Tot Ion:168 Resp: 550275

Ion Ratio Lower Upper

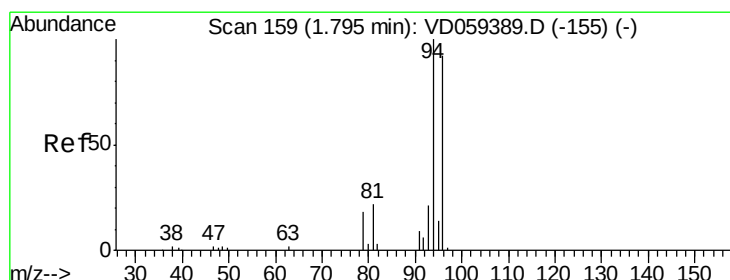
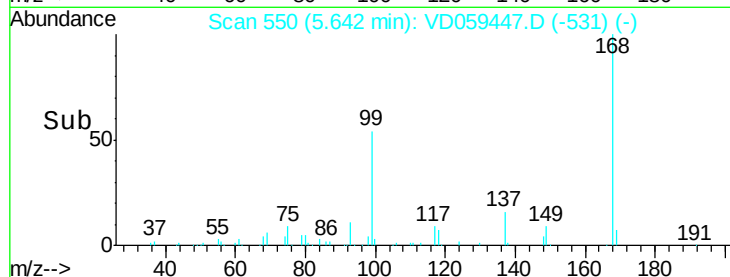
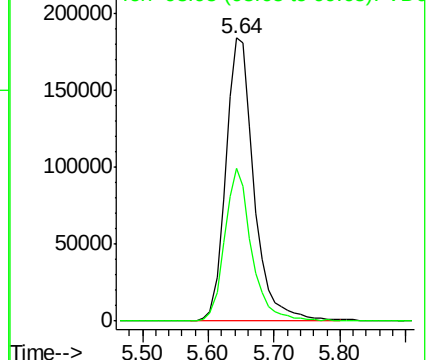
168 100

99 53.9 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: Below Cal

RT: 1.85 min Scan# 165

Delta R.T. 0.06 min

Lab File: VD059447.D

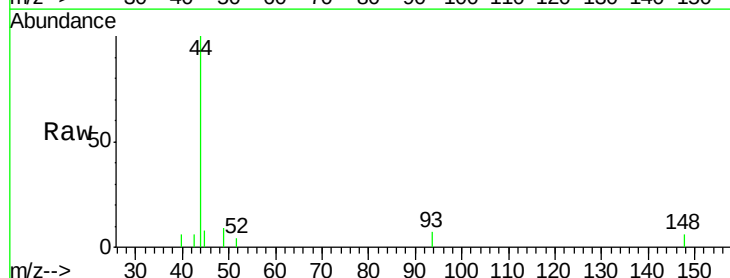
Acq: 27 Jun 2018 16:26

Tgt Ion: 94 Resp: 272

Ion Ratio Lower Upper

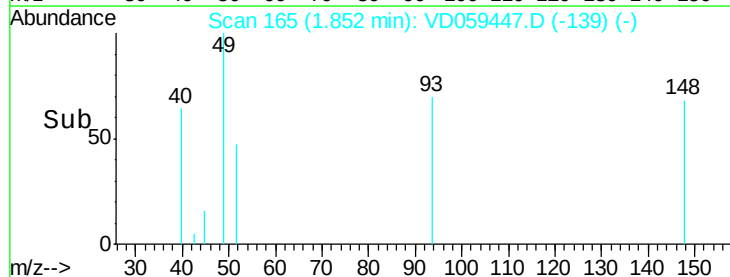
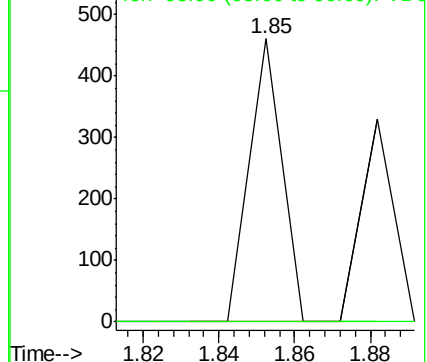
94 100

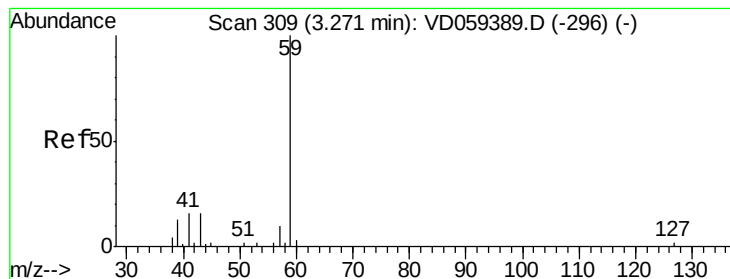
96 0.0 73.4 110.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



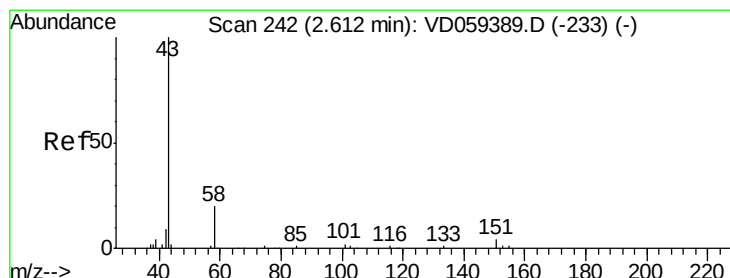
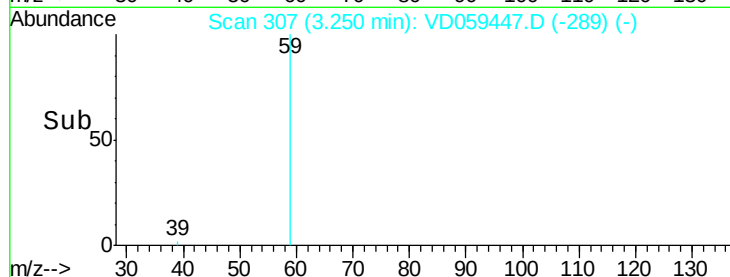
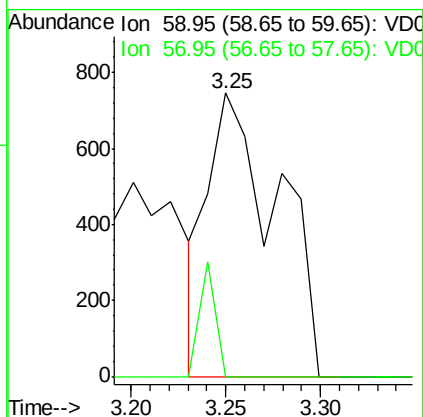
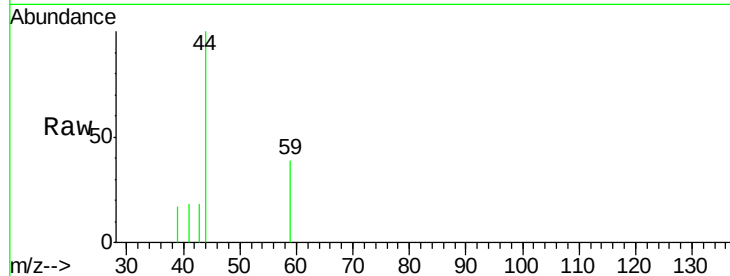


#11

Tert butyl alcohol
Concen: 9.719 ug/l
RT: 3.25 min Scan# 307
Delta R.T. -0.02 min
Lab File: VD059447.D
Acq: 27 Jun 2018 16:26

Instrument :
MSVOA_D
ClientSampled :

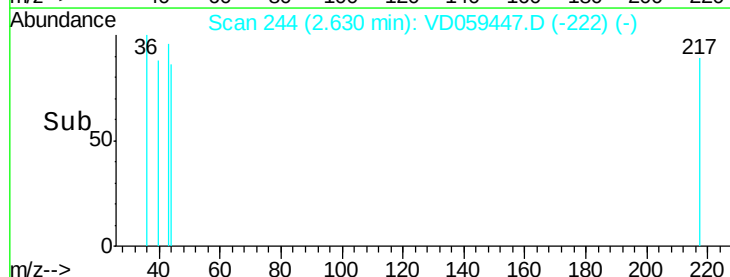
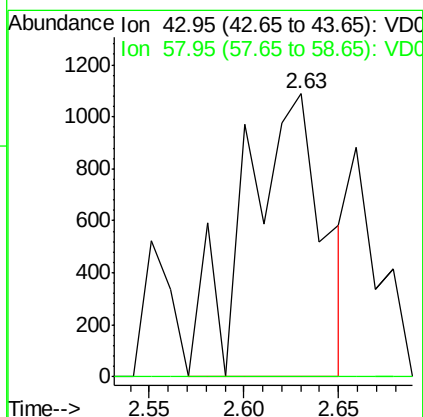
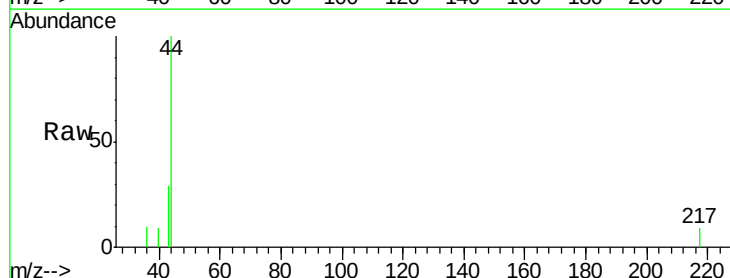
Tot Ion: 59 Resp: 1892
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

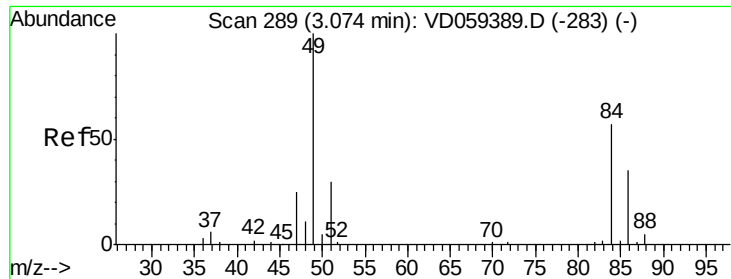


#16

Acetone
Concen: 4.425 ug/l
RT: 2.63 min Scan# 244
Delta R.T. 0.02 min
Lab File: VD059447.D
Acq: 27 Jun 2018 16:26

Tgt Ion: 43 Resp: 3143
Ion Ratio Lower Upper
43 100
58 0.0 16.8 25.2#

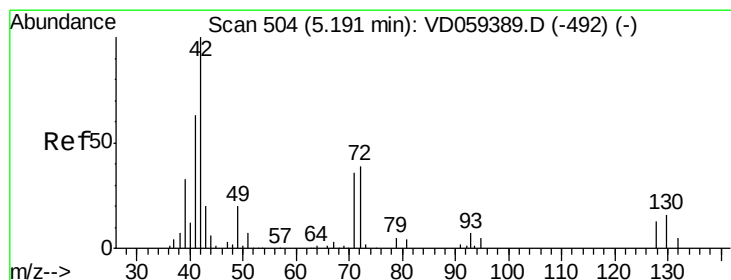
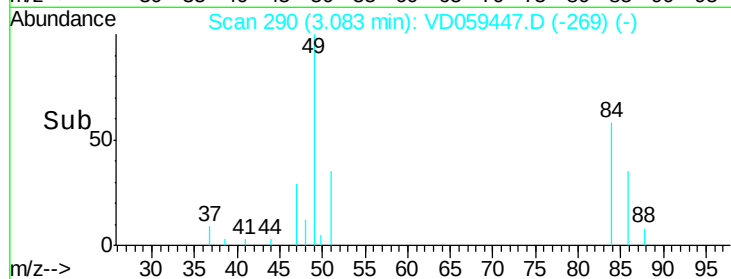
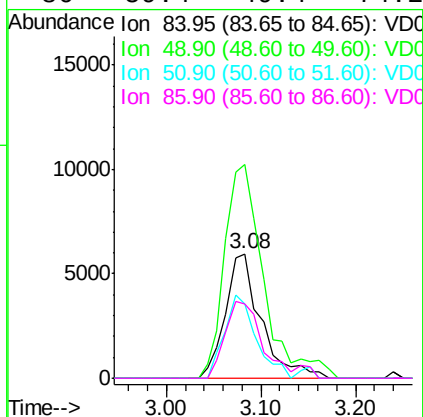
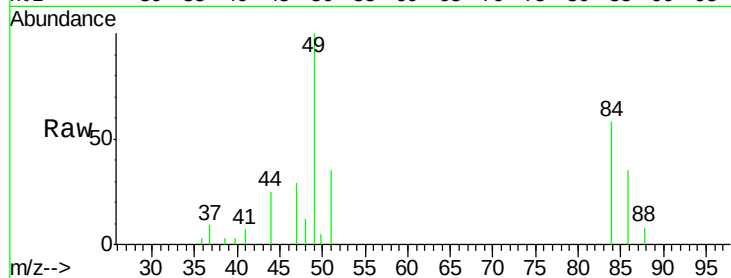




#20
Methylene Chloride
Concen: 5.709 ug/l
RT: 3.08 min Scan# 290
Delta R.T. 0.01 min
Lab File: VD059447.D
Acq: 27 Jun 2018 16:26

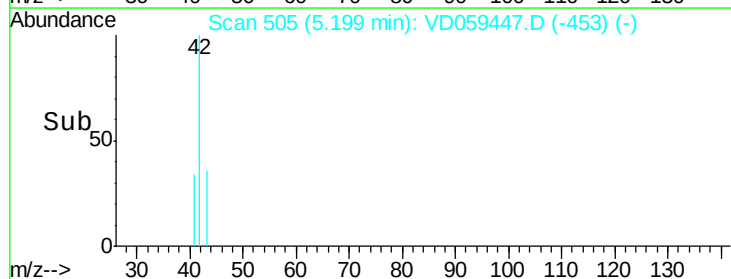
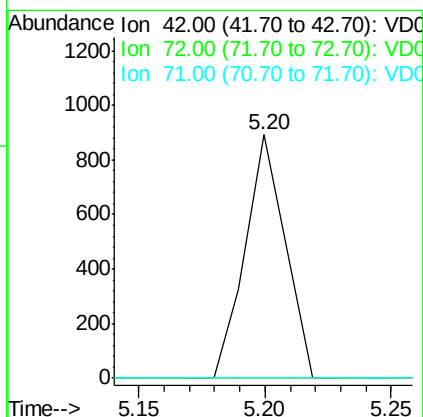
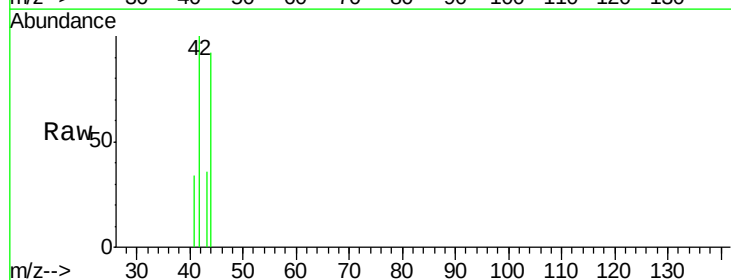
Instrument :
MSVOA_D
ClientSampleId :

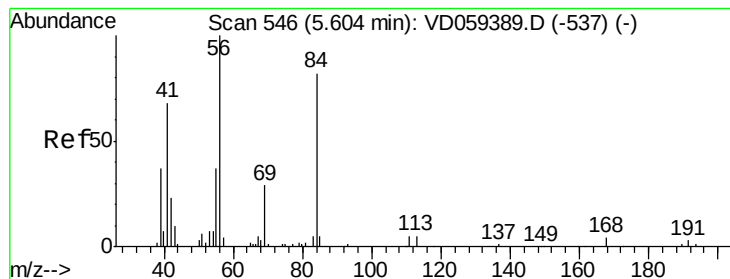
Tot Ion:	84	Resp:	15598
Ion	Ratio	Lower	Upper
84	100		
49	171.4	140.3	210.5
51	59.4	41.6	62.4
86	59.4	49.4	74.2



#29
Tetrahydrofuran
Concen: 1.210 ug/l
RT: 5.20 min Scan# 505
Delta R.T. 0.01 min
Lab File: VD059447.D
Acq: 27 Jun 2018 16:26

Tgt Ion:	42	Resp:	985
Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.4	47.2#
71	0.0	29.7	44.5#





#31

Cyclohexane

Concen: Below Cal

RT: 5.63 min Scan# 549

Delta R.T. 0.03 min

Lab File: VD059447.D

Acq: 27 Jun 2018 16:26

Instrument :

MSVOA_D

ClientSampleId :

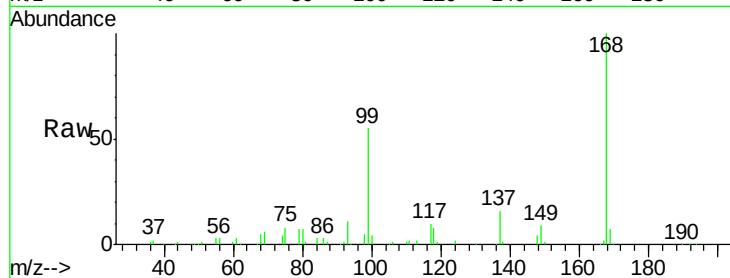
Tot Ion: 56 Resp: 12460

Ion Ratio Lower Upper

56 100

69 200.2 22.9 34.3#

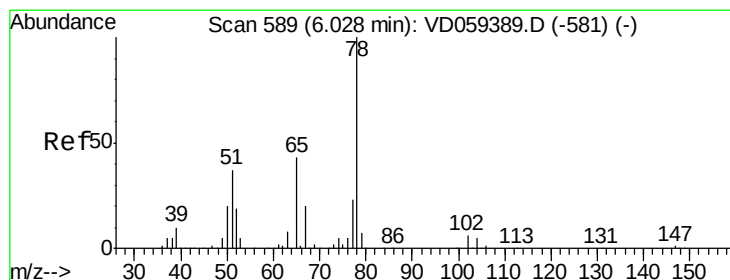
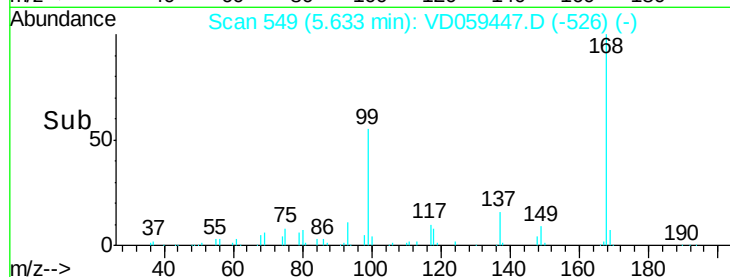
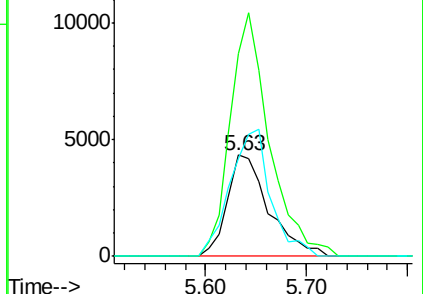
84 97.2 67.3 100.9



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: 6.02 min Scan# 588

Delta R.T. -0.01 min

Lab File: VD059447.D

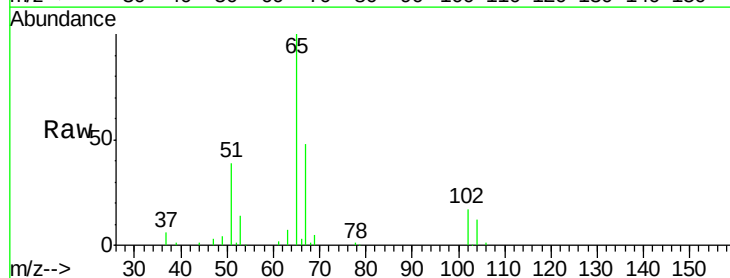
Acq: 27 Jun 2018 16:26

Tgt Ion: 65 Resp: 242520

Ion Ratio Lower Upper

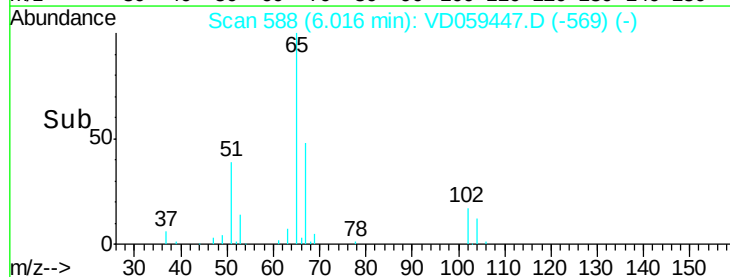
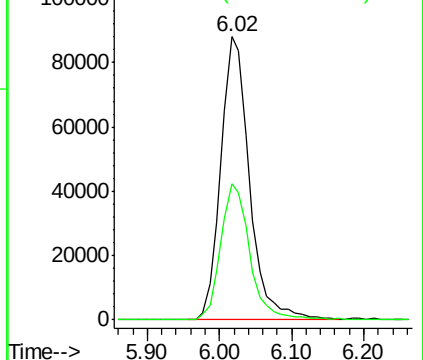
65 100

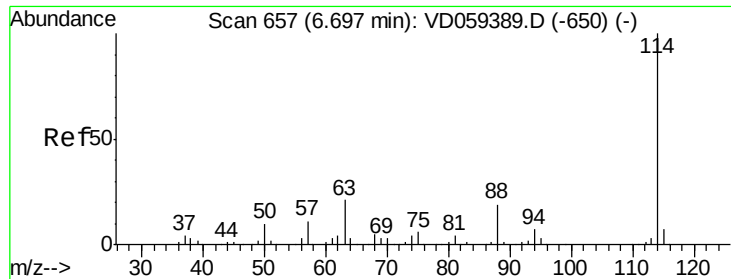
67 48.1 0.0 93.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

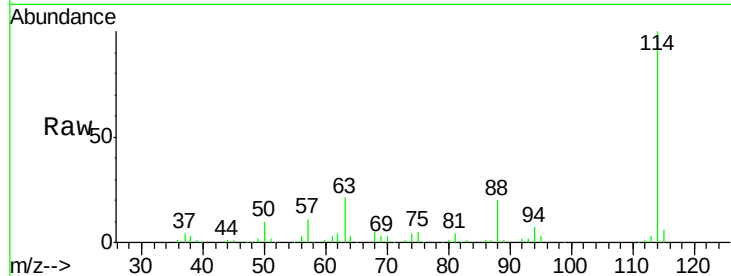




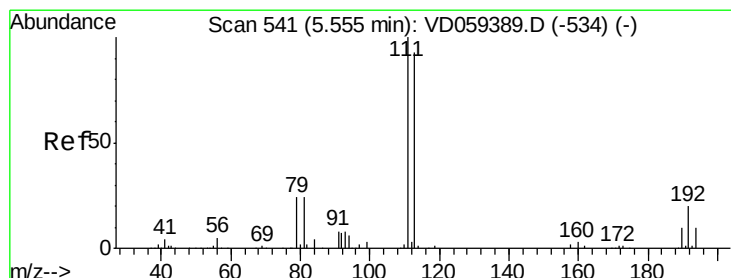
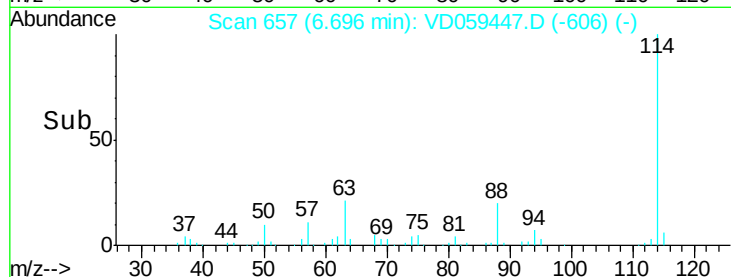
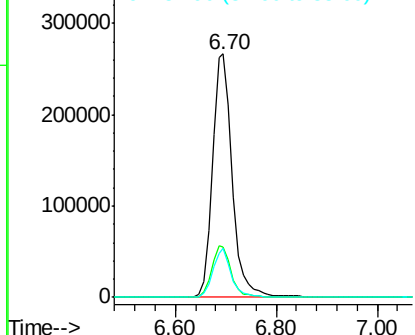
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VD059447.D
Acq: 27 Jun 2018 16:26

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:114 Resp: 734127
Ion Ratio Lower Upper
114 100
63 20.8 0.0 42.4
88 20.2 0.0 38.0

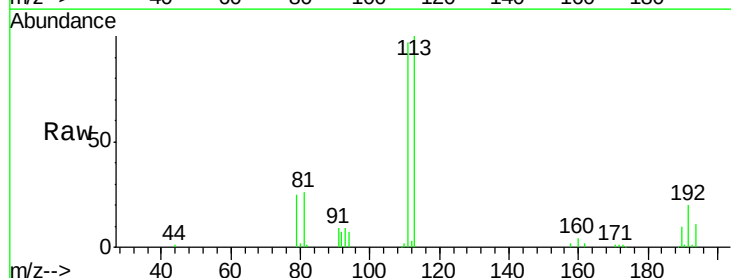


Abundance Ion 114.00 (113.70 to 114.70): V
Ion 62.95 (62.65 to 63.65): V
Ion 87.90 (87.60 to 88.60): V

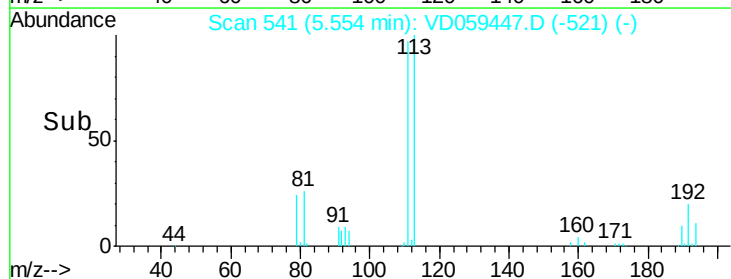
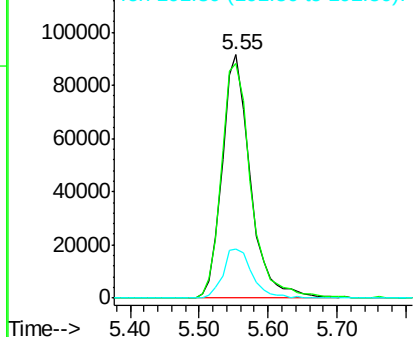


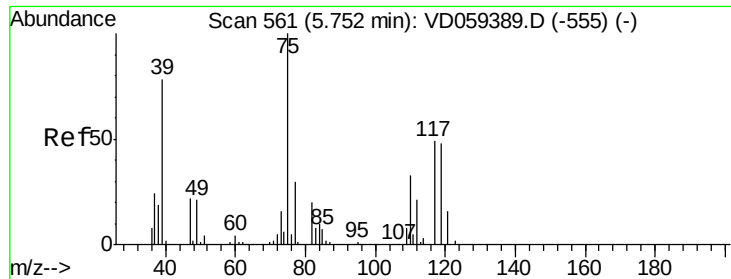
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 5.55 min Scan# 541
Delta R.T. -0.00 min
Lab File: VD059447.D
Acq: 27 Jun 2018 16:26

Tgt Ion:113 Resp: 259604
Ion Ratio Lower Upper
113 100
111 96.6 85.7 128.5
192 19.9 16.9 25.3



Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 6.817 ug/l

RT: 5.64 min Scan# 550

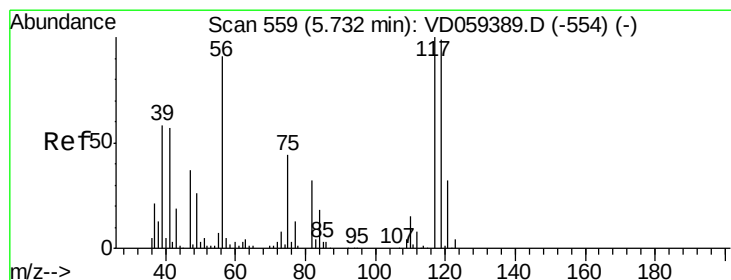
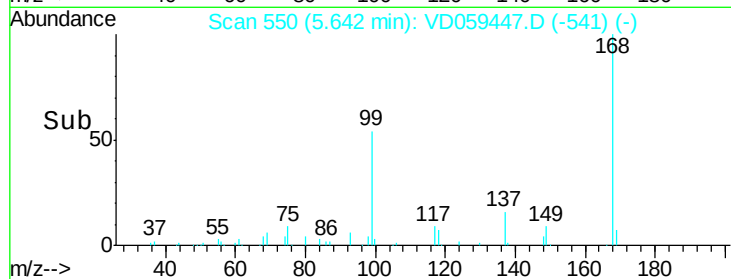
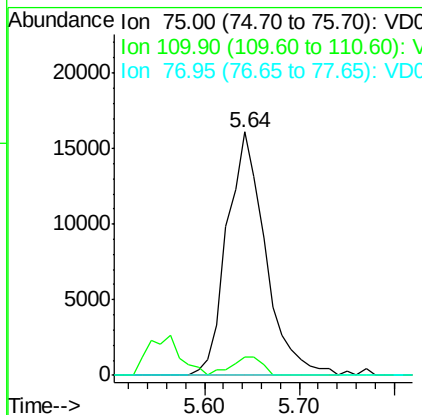
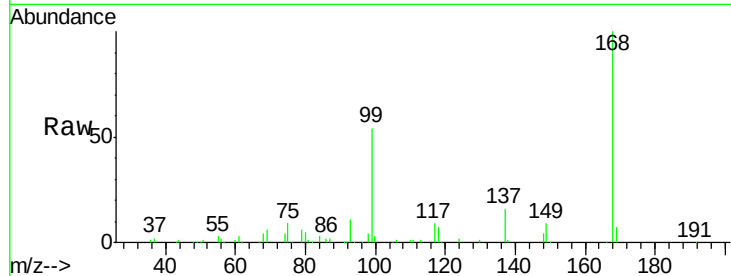
Delta R.T. -0.11 min

Lab File: VD059447.D

Acq: 27 Jun 2018 16:26

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 75 Resp: 45401
Ion Ratio Lower Upper
75 100
110 7.3 16.1 48.2#
77 0.0 23.4 35.2#



#38

Carbon Tetrachloride

Concen: 6.939 ug/l

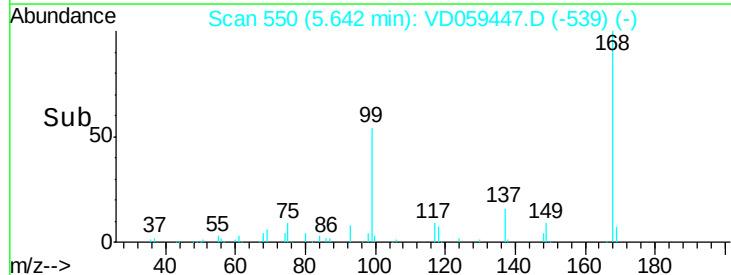
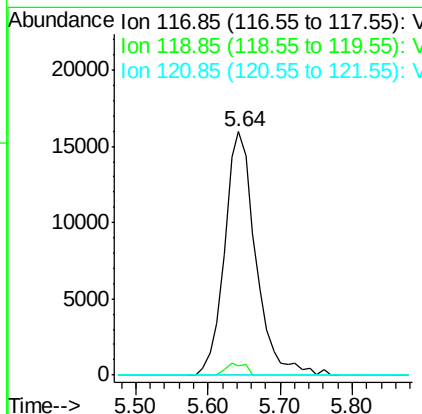
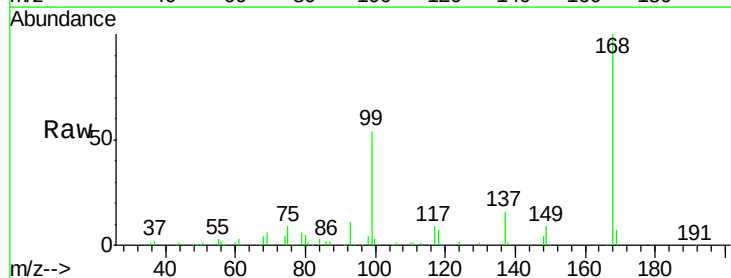
RT: 5.64 min Scan# 550

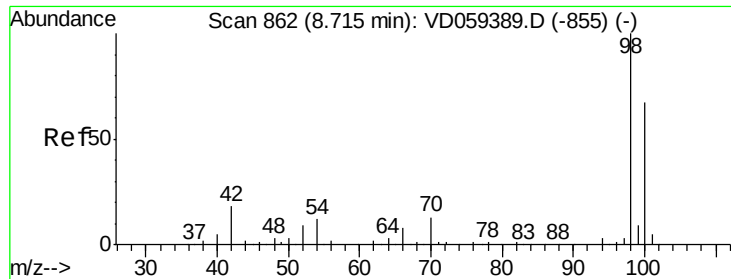
Delta R.T. -0.09 min

Lab File: VD059447.D

Acq: 27 Jun 2018 16:26

Tgt Ion: 117 Resp: 47641
Ion Ratio Lower Upper
117 100
119 4.1 76.6 115.0#
121 0.0 25.0 37.4#

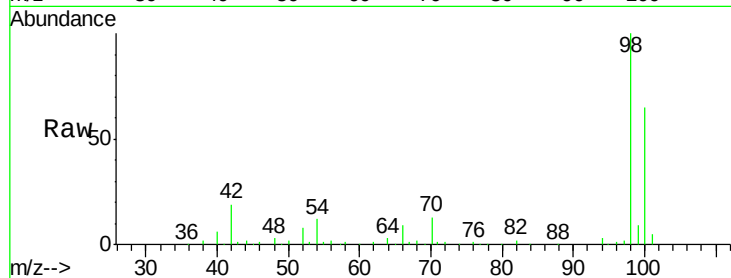




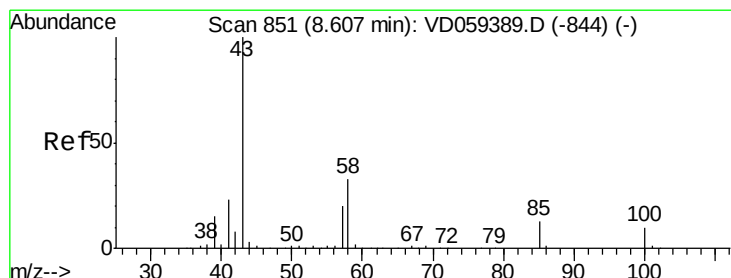
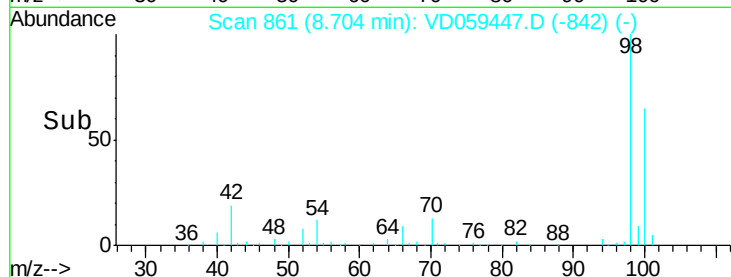
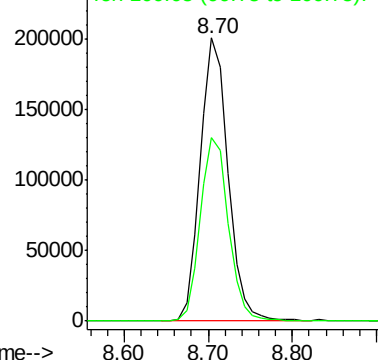
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.70 min Scan# 861
Delta R.T. -0.01 min
Lab File: VD059447.D
Acq: 27 Jun 2018 16:26

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 462677
Ion Ratio Lower Upper
98 100
100 64.9 54.4 81.6

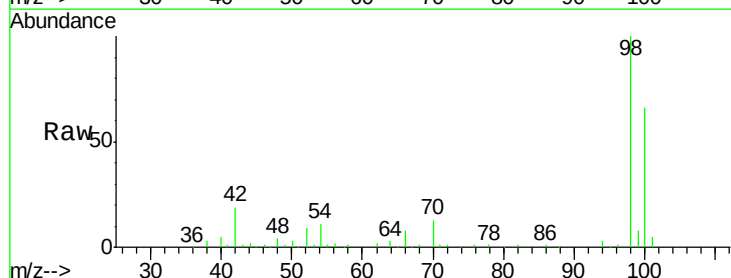


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

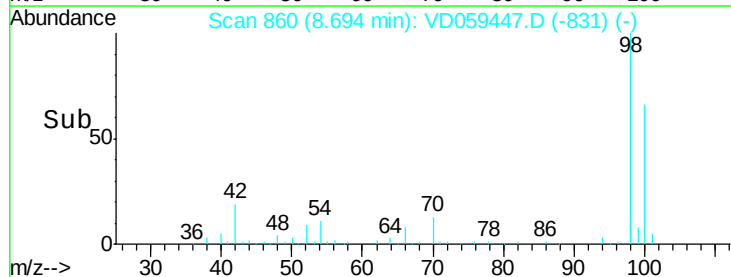
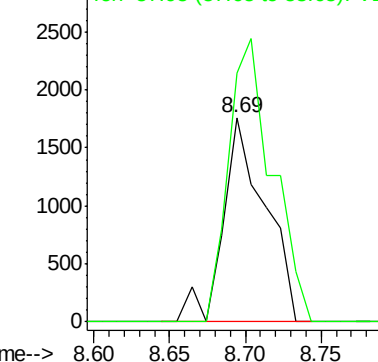


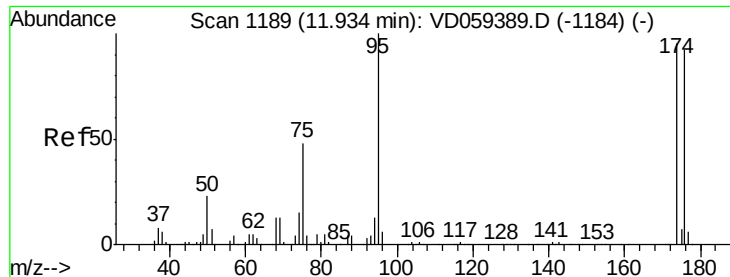
#51
4-Methyl-2-Pentanone
Concen: 1.009 ug/l
RT: 8.69 min Scan# 860
Delta R.T. 0.09 min
Lab File: VD059447.D
Acq: 27 Jun 2018 16:26

Tgt Ion: 43 Resp: 3426
Ion Ratio Lower Upper
43 100
58 121.4 26.3 39.5#



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

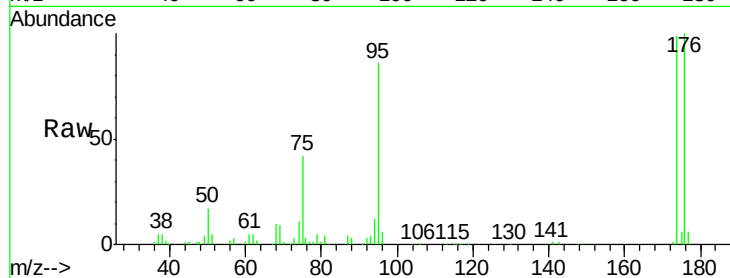




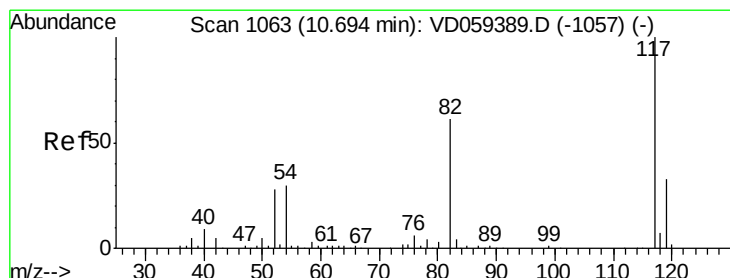
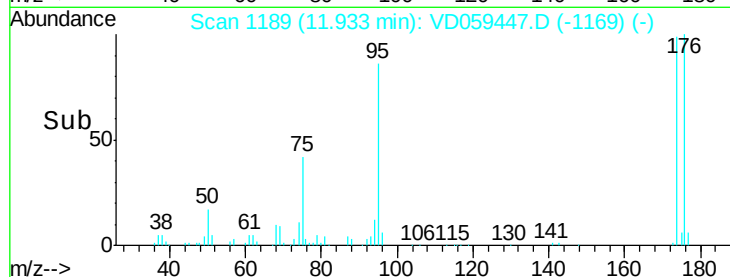
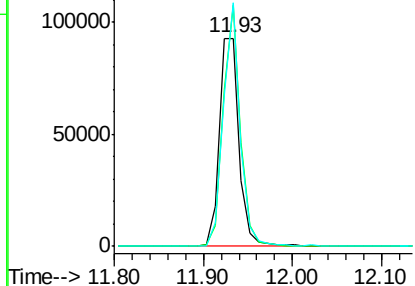
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.93 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VD059447.D
Acq: 27 Jun 2018 16:26

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 95 Resp: 144928
Ion Ratio Lower Upper
95 100
174 115.5 0.0 190.4
176 116.8 0.0 183.2

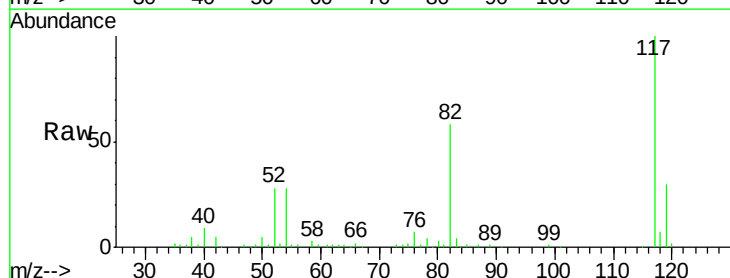


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

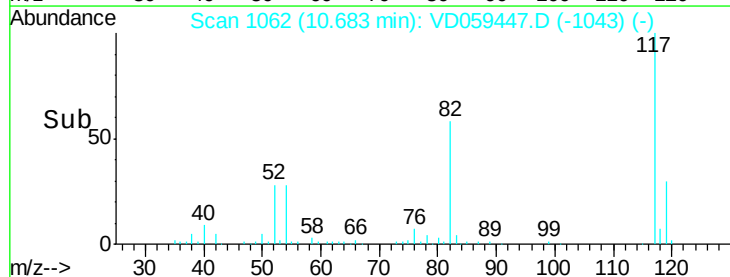
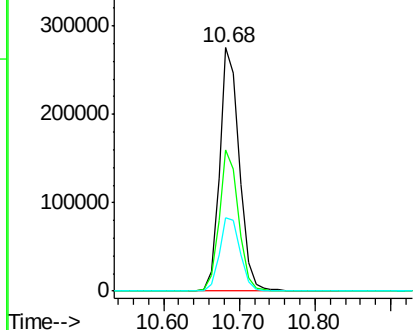


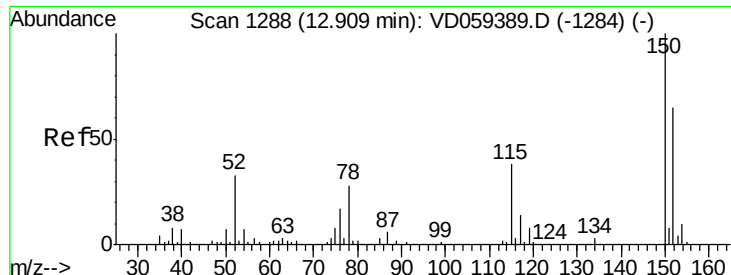
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.01 min
Lab File: VD059447.D
Acq: 27 Jun 2018 16:26

Tgt Ion: 117 Resp: 500522
Ion Ratio Lower Upper
117 100
82 58.2 49.0 73.6
119 30.3 26.2 39.4



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# 1288

Delta R.T. -0.00 min

Lab File: VD059447.D

Acq: 27 Jun 2018 16:26

Instrument :

MSVOA_D

ClientSampleId :

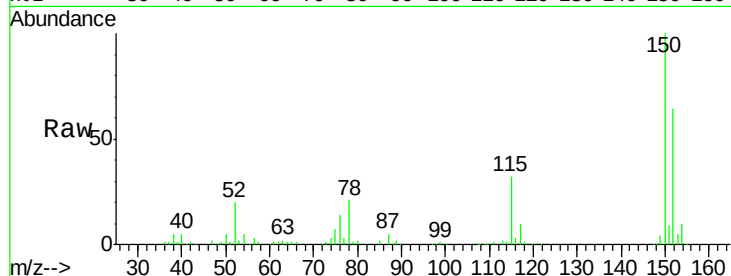
Tot Ion:152 Resp: 158154

Ion Ratio Lower Upper

152 100

115 49.5 29.4 88.3

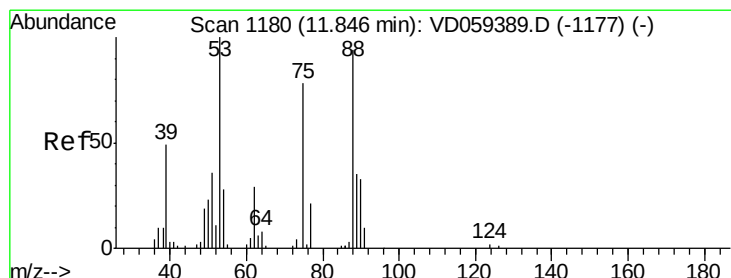
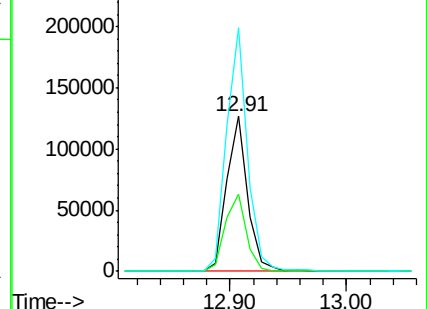
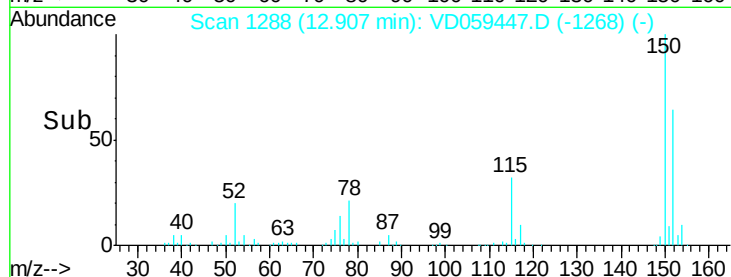
150 156.9 0.0 308.2



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: 146.350 ug/l

RT: 11.92 min Scan# 1188

Delta R.T. 0.08 min

Lab File: VD059447.D

Acq: 27 Jun 2018 16:26

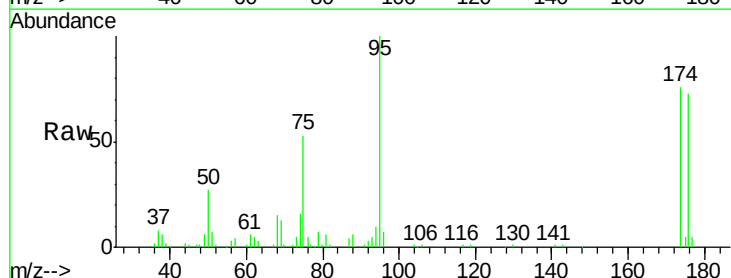
Tgt Ion: 75 Resp: 72565

Ion Ratio Lower Upper

75 100

53 0.0 102.6 154.0#

89 0.0 35.9 53.9#



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

