

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062318\
 Data File : VD058352.D
 Acq On : 23 Jun 2018 20:32
 Operator : VA/AP
 Sample : J3671-03
 Misc : 5.95g/5ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB478-15-17-180621

Quant Time: Jun 25 08:31:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

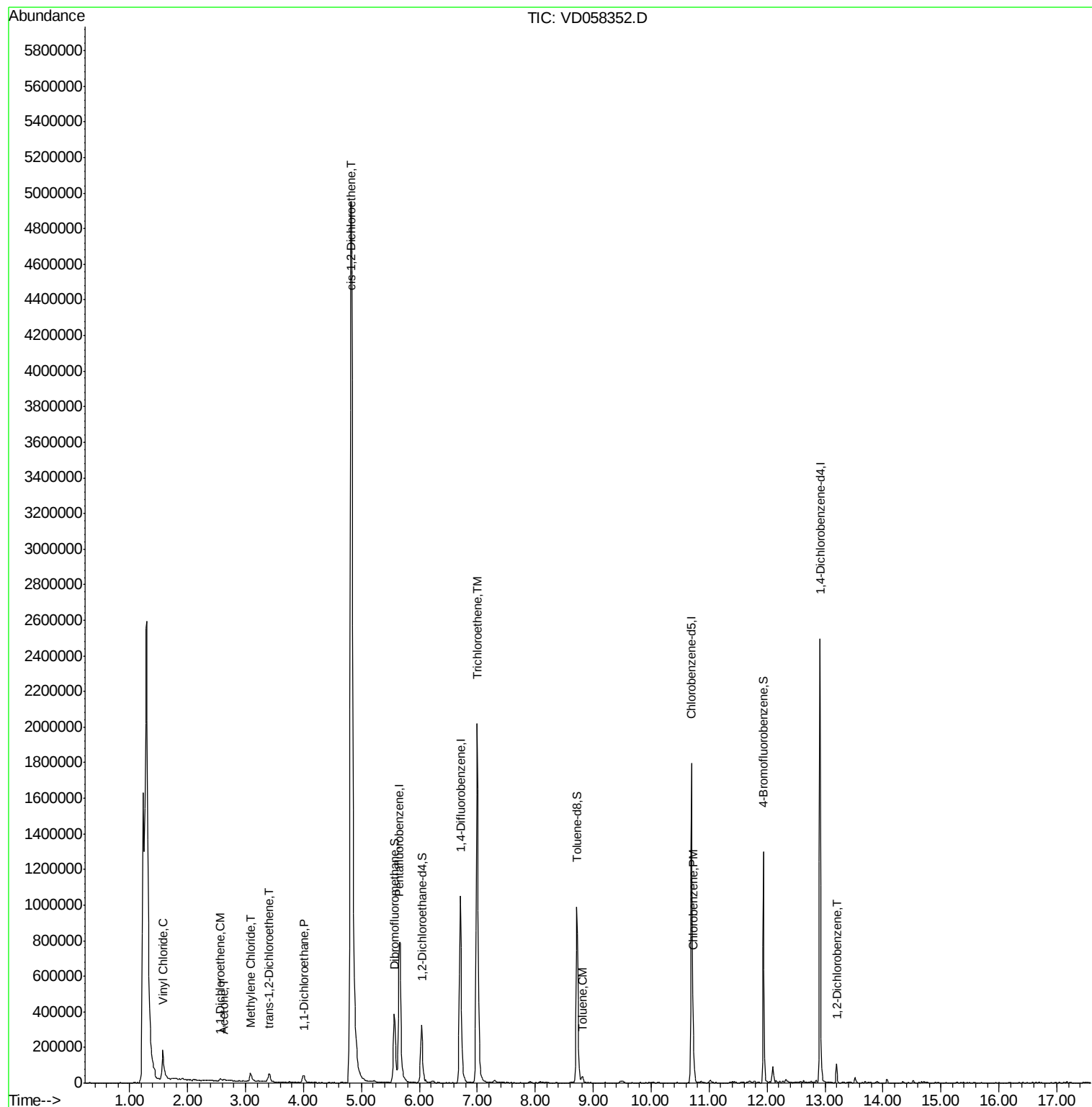
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	860787	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	6.71	114	1121555	50.00	ug/l	0.02
63) Chlorobenzene-d5	10.70	117	968695	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	507236	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.04	65	312947	35.99	ug/l	0.03
Spiked Amount 50.000			Recovery	=	71.98%	
35) Dibromofluoromethane	5.57	113	327554	35.88	ug/l	0.02
Spiked Amount 50.000			Recovery	=	71.76%	
50) Toluene-d8	8.72	98	785937	35.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	71.18%	
62) 4-Bromofluorobenzene	11.94	95	337276	37.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	74.78%	
Target Compounds						
4) Vinyl Chloride	1.57	62	222415	49.32	ug/l	99
12) 1,1-Dichloroethene	2.58	96	3794	1.28	ug/l #	64
16) Acetone	2.64	43	23368	19.65	ug/l	97
20) Methylene Chloride	3.09	84	21897	2.53	ug/l #	94
21) trans-1,2-Dichloroethene	3.41	96	23071	7.14	ug/l #	69
24) 1,1-Dichloroethane	3.99	63	67335	4.57	ug/l	97
27) cis-1,2-Dichloroethene	4.83	96	3386693	419.32	ug/l	93
44) Trichloroethene	7.00	130	840668	105.93	ug/l	97
52) Toluene	8.82	92	16563	1.10	ug/l	91
65) Chlorobenzene	10.73	112	84561	4.67	ug/l	100
91) 1,2-Dichlorobenzene	13.20	146	26313	1.96	ug/l	89

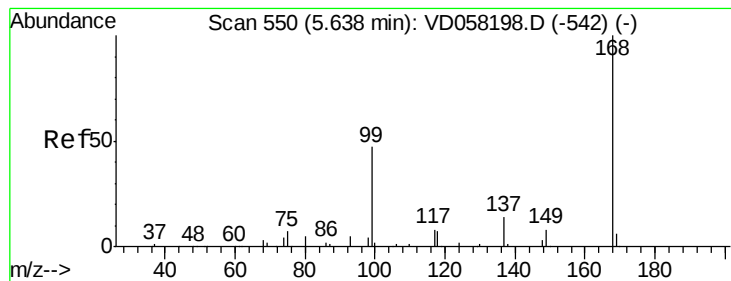
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062318\
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WP021SB478-15-17-180621

Quant Time: Jun 25 08:31:24 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
Quant Title : SW846 8260
QLast Update : Wed Jun 20 05:52:56 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 553

Delta R.T. 0.03 min

Lab File: VD058352.D

Acq: 23 Jun 2018 20:32

Instrument :

MSVOA_D

ClientSampleId :

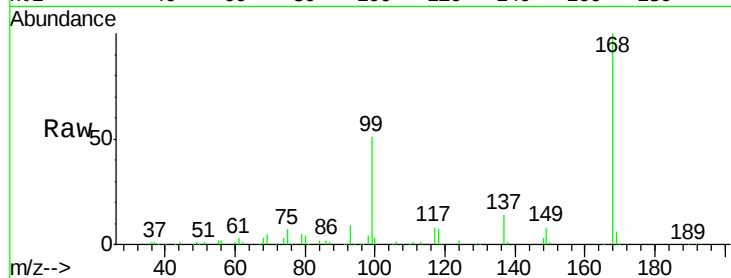
WP021SB478-15-17-180621

Tot Ion:168 Resp: 860787

Ion Ratio Lower Upper

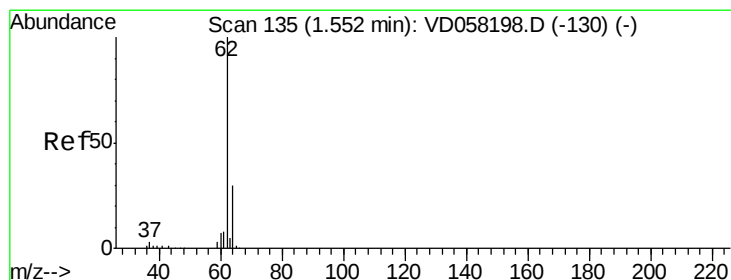
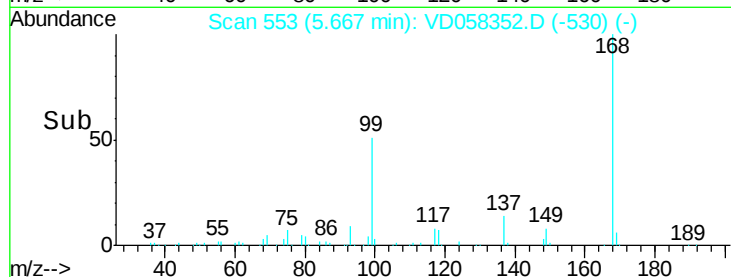
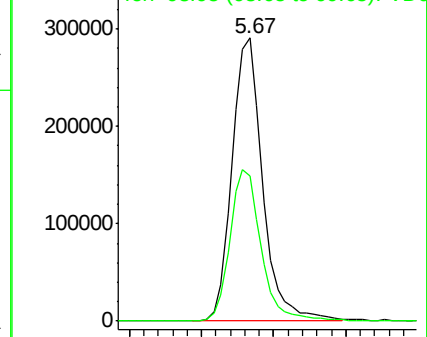
168 100

99 51.3 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#4

Vinyl Chloride

Concen: 49.32 ug/l

RT: 1.57 min Scan# 137

Delta R.T. 0.02 min

Lab File: VD058352.D

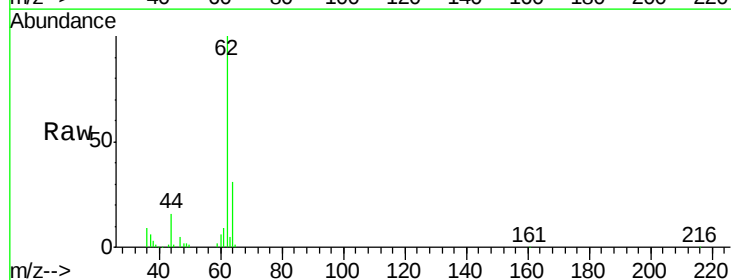
Acq: 23 Jun 2018 20:32

Tgt Ion: 62 Resp: 222415

Ion Ratio Lower Upper

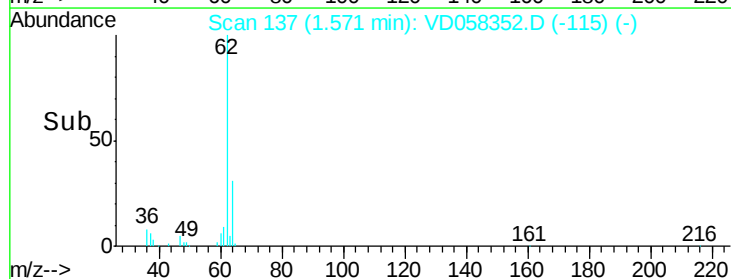
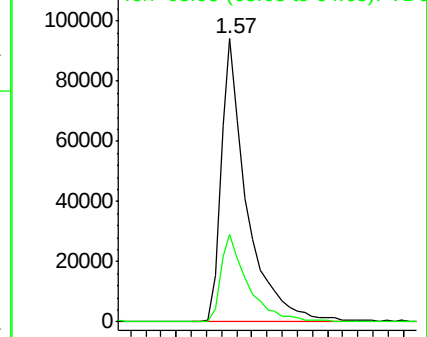
62 100

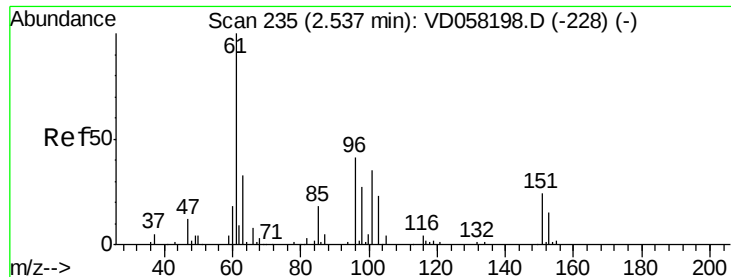
64 31.1 24.4 36.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#12

1,1-Dichloroethene

Concen: 1.28 ug/l

RT: 2.58 min Scan# 239

Delta R.T. 0.04 min

Lab File: VD058352.D

Acq: 23 Jun 2018 20:32

Instrument :

MSVOA_D

ClientSampleId :

WP021SB478-15-17-180621

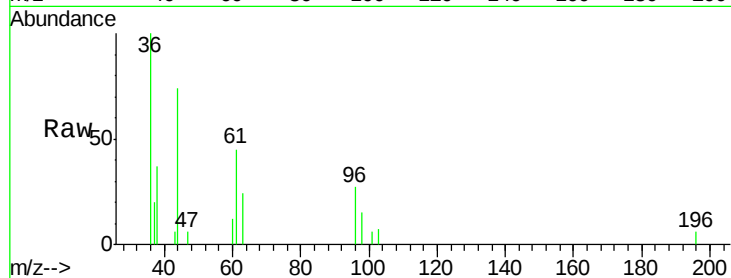
Tot Ion: 96 Resp: 3794

Ion Ratio Lower Upper

96 100

61 168.7 193.9 290.9#

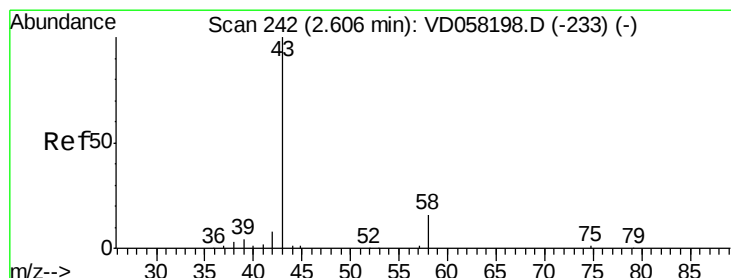
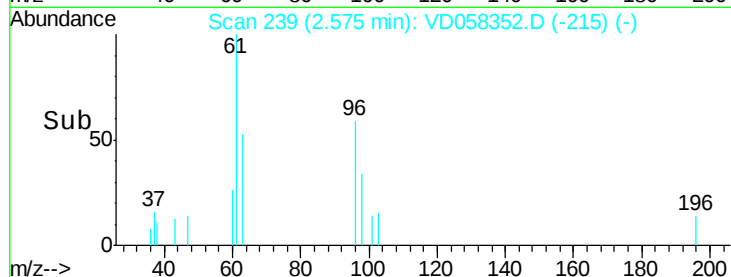
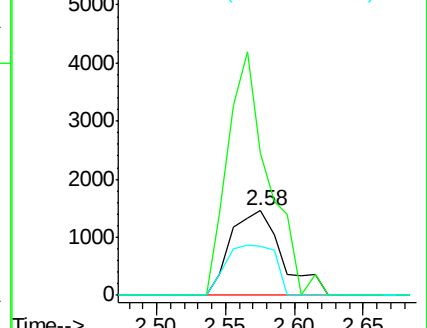
98 58.2 51.7 77.5



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#16

Acetone

Concen: 19.65 ug/l

RT: 2.64 min Scan# 246

Delta R.T. 0.04 min

Lab File: VD058352.D

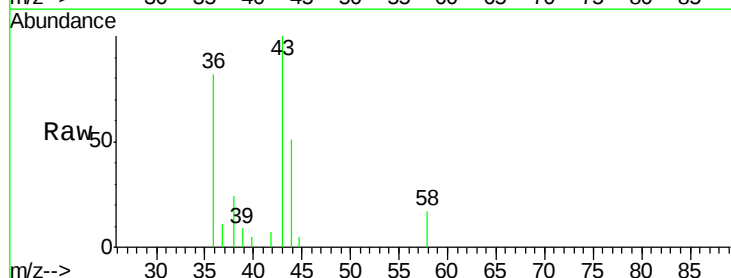
Acq: 23 Jun 2018 20:32

Tgt Ion: 43 Resp: 23368

Ion Ratio Lower Upper

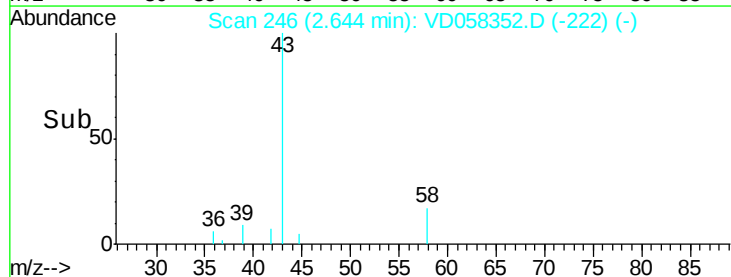
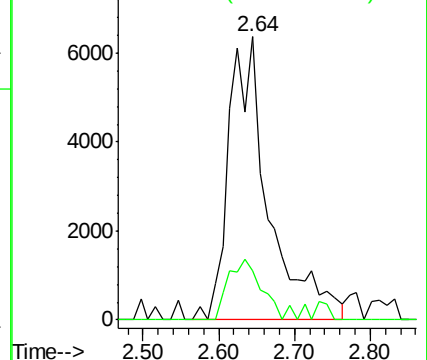
43 100

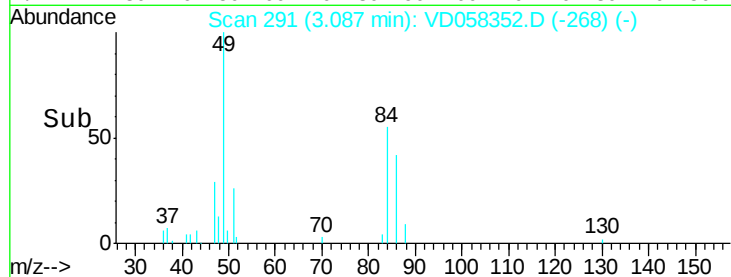
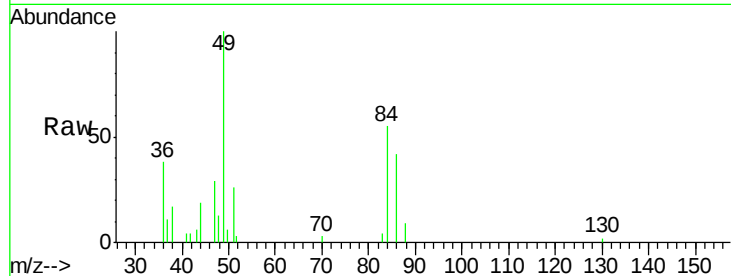
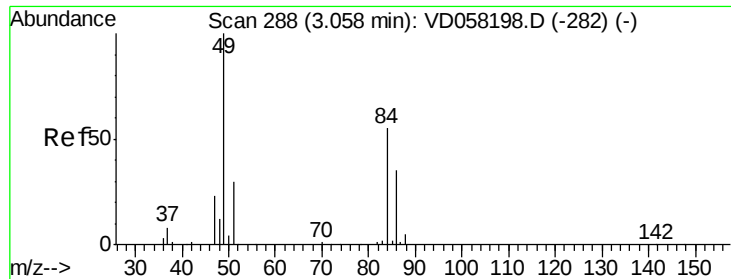
58 17.3 12.7 19.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

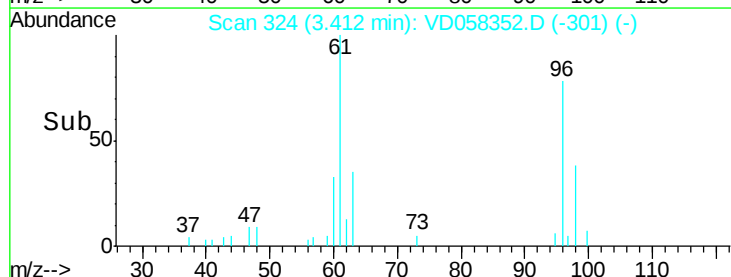
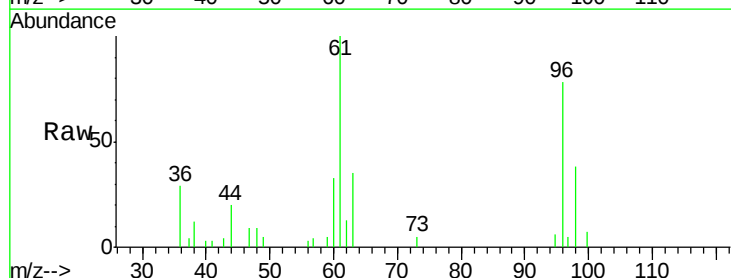
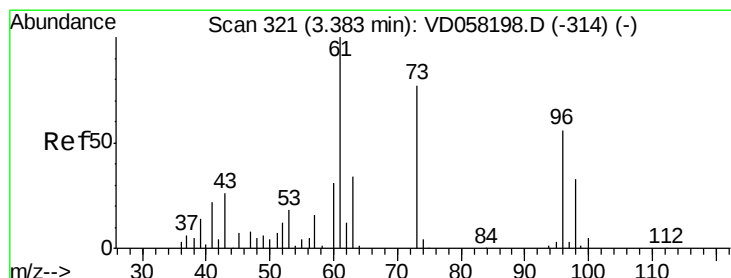
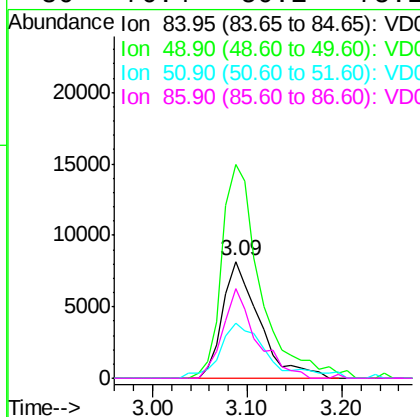




#20
Methvlene Chloride
Concen: 2.53 ug/l
RT: 3.09 min Scan# 291
Delta R.T. 0.03 min
Lab File: VD058352.D
Acq: 23 Jun 2018 20:32

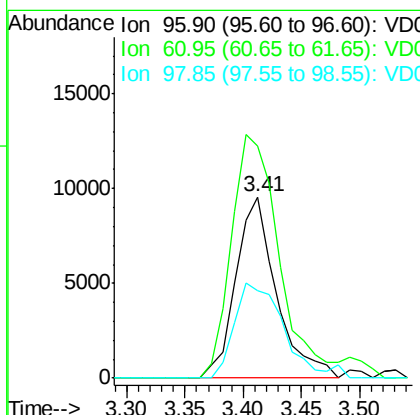
Instrument :
MSVOA_D
ClientSampleId :
WP021SB478-15-17-180621

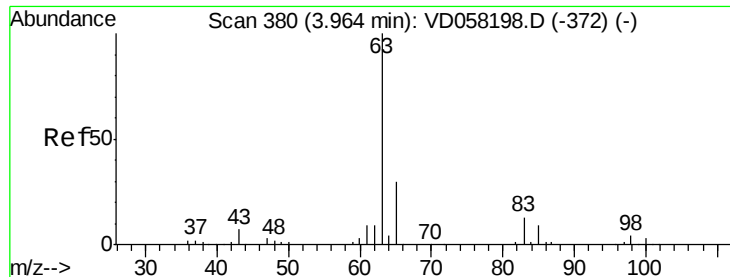
Tot Ion: 84 Resp: 21897
Ion Ratio Lower Upper
84 100
49 183.2 145.0 217.6
51 47.5 42.9 64.3
86 76.4 50.1 75.1#



#21
trans-1,2-Dichloroethene
Concen: 7.14 ug/l
RT: 3.41 min Scan# 324
Delta R.T. 0.03 min
Lab File: VD058352.D
Acq: 23 Jun 2018 20:32

Tgt Ion: 96 Resp: 23071
Ion Ratio Lower Upper
96 100
61 128.1 143.8 215.6#
98 48.1 48.0 72.0

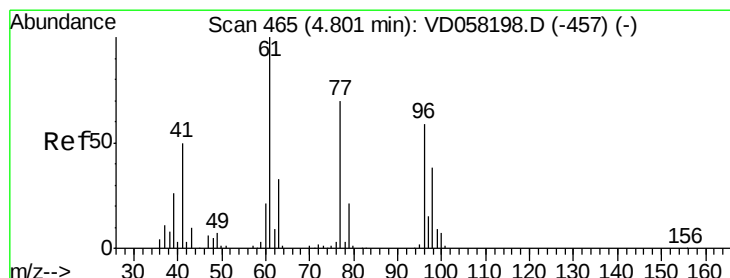
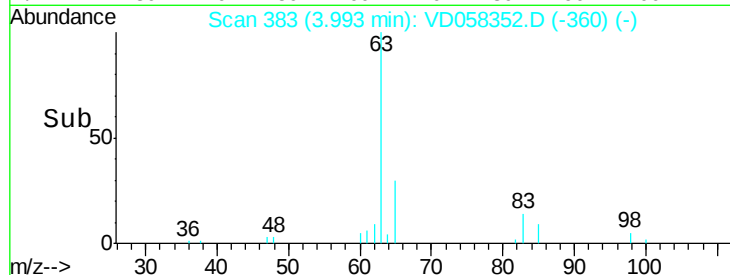
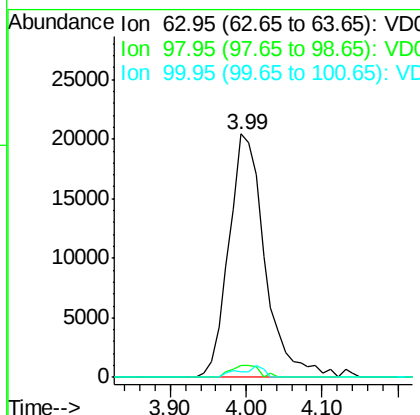
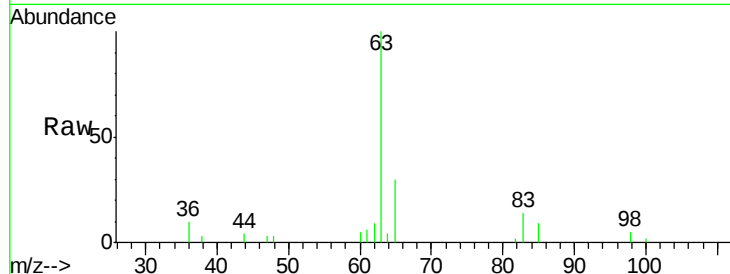




#24
 1,1-Dichloroethane
 Concen: 4.57 ug/l
 RT: 3.99 min Scan# 383
 Delta R.T. 0.03 min
 Lab File: VD058352.D
 Acq: 23 Jun 2018 20:32

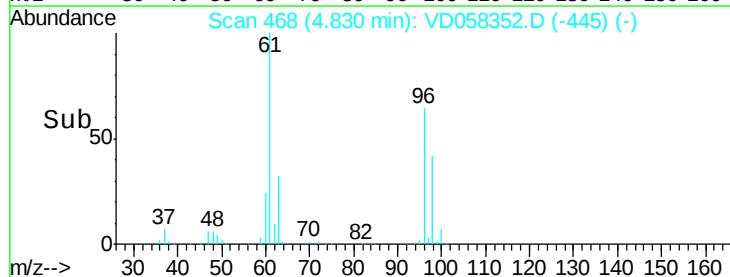
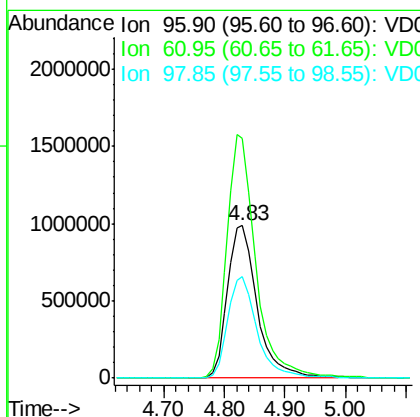
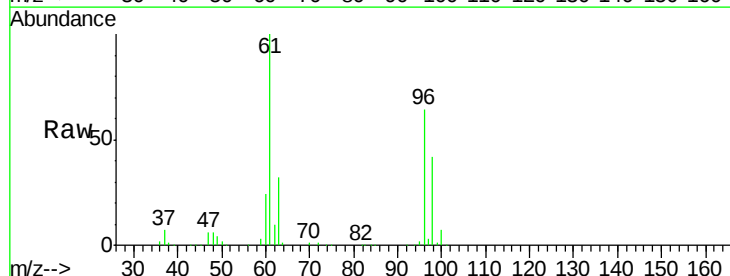
Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB478-15-17-180621

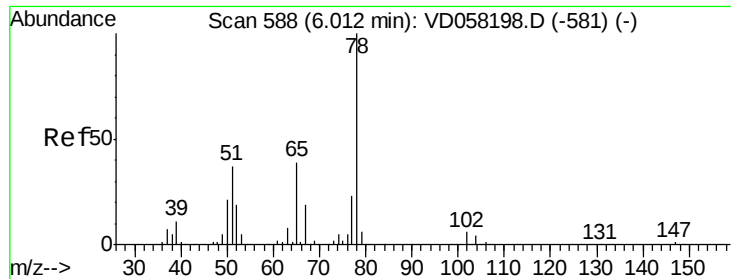
Tot Ion: 63 Resp: 67335
 Ion Ratio Lower Upper
 63 100
 98 5.1 1.9 5.7
 100 2.2 1.3 3.9



#27
 cis-1,2-Dichloroethene
 Concen: 419.32 ug/l
 RT: 4.83 min Scan# 468
 Delta R.T. 0.03 min
 Lab File: VD058352.D
 Acq: 23 Jun 2018 20:32

Tgt Ion: 96 Resp: 3386693
 Ion Ratio Lower Upper
 96 100
 61 157.1 0.0 338.6
 98 66.4 0.0 130.2





#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 6.04 min Scan# 591

Delta R.T. 0.03 min

Lab File: VD058352.D

Acq: 23 Jun 2018 20:32

Instrument :

MSVOA_D

ClientSampleId :

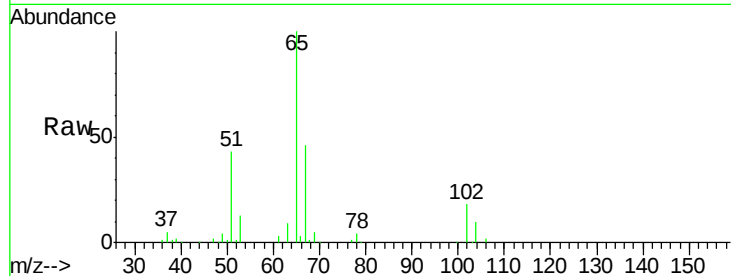
WP021SB478-15-17-180621

Tot Ion: 65 Resp: 312947

Ion Ratio Lower Upper

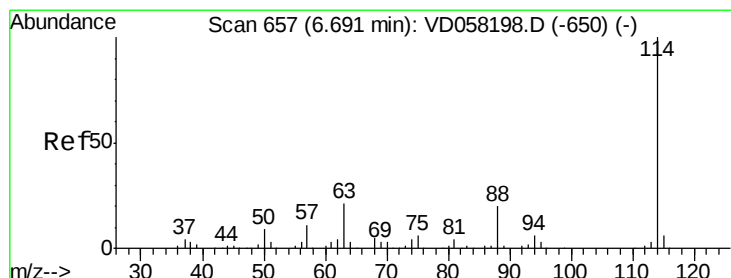
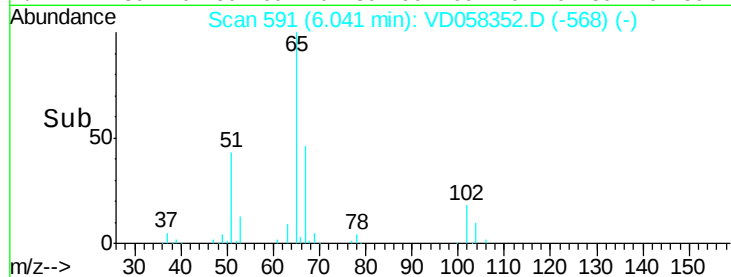
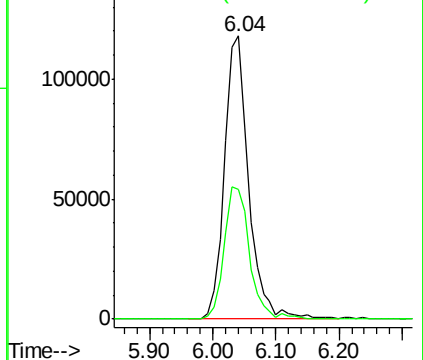
65 100

67 45.6 0.0 97.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.71 min Scan# 659

Delta R.T. 0.02 min

Lab File: VD058352.D

Acq: 23 Jun 2018 20:32

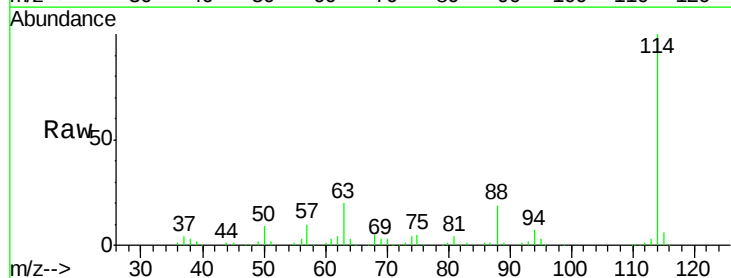
Tgt Ion: 114 Resp: 1121555

Ion Ratio Lower Upper

114 100

63 19.6 0.0 42.6

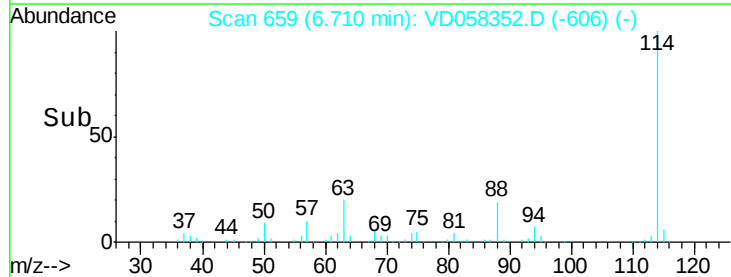
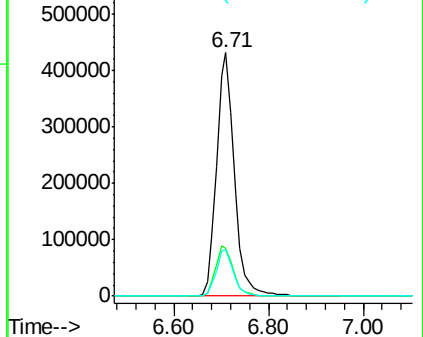
88 19.3 0.0 40.6

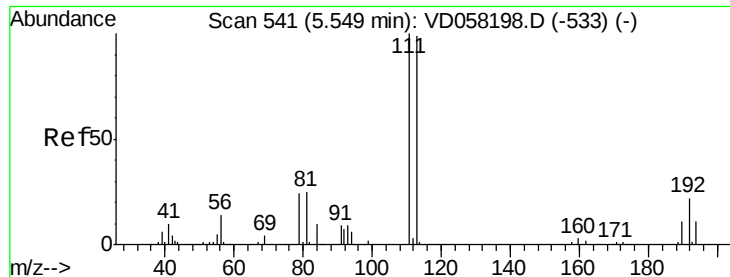


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.57 min Scan# 543

Delta R.T. 0.02 min

Lab File: VD058352.D

Acq: 23 Jun 2018 20:32

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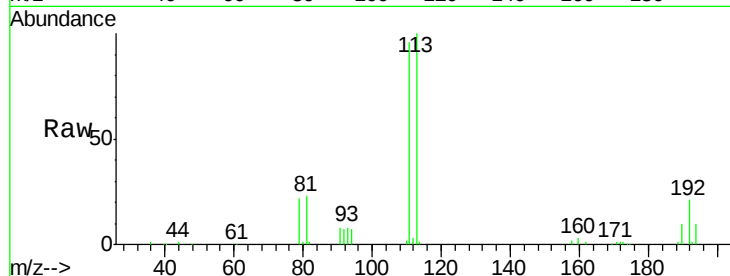
Tot Ion:113 Resp: 327554

Ion Ratio Lower Upper

113 100

111 95.9 80.6 121.0

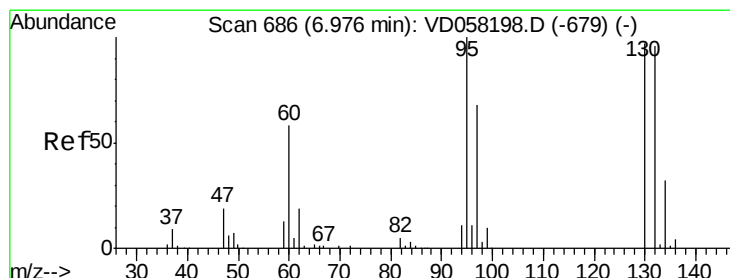
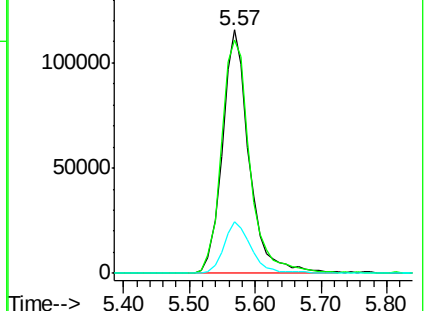
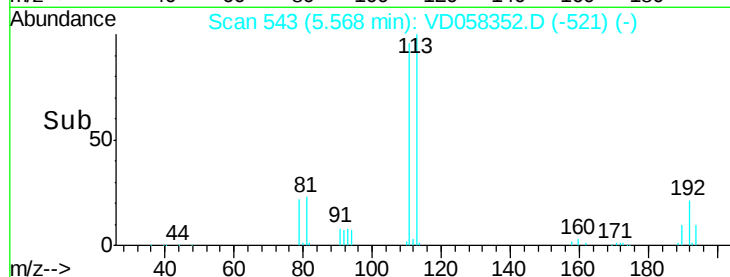
192 21.1 17.8 26.6



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



#44

Trichloroethene

Concen: 105.93 ug/l

RT: 7.00 min Scan# 688

Delta R.T. 0.02 min

Lab File: VD058352.D

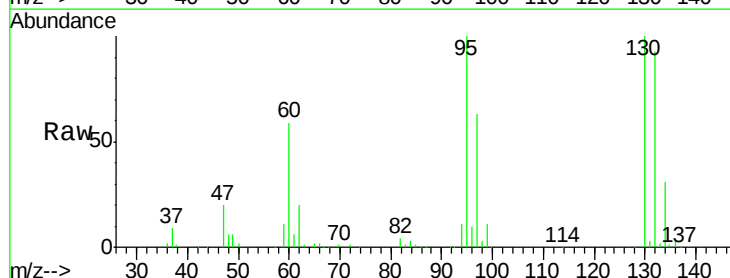
Acq: 23 Jun 2018 20:32

Tgt Ion:130 Resp: 840668

Ion Ratio Lower Upper

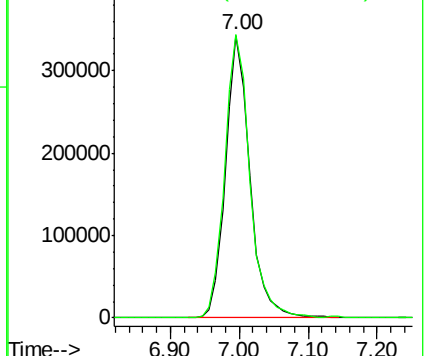
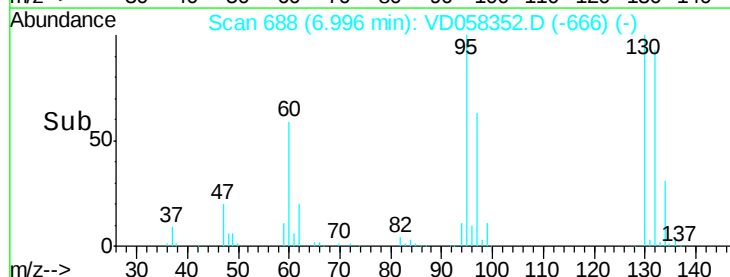
130 100

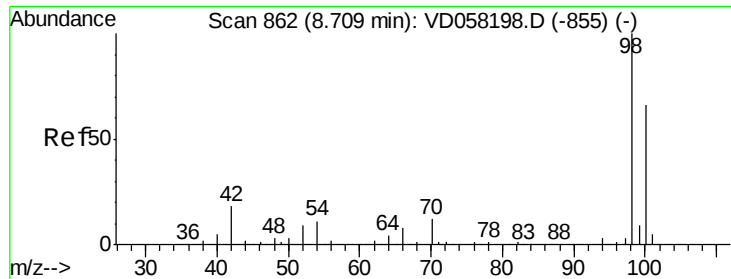
95 100.1 0.0 205.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V

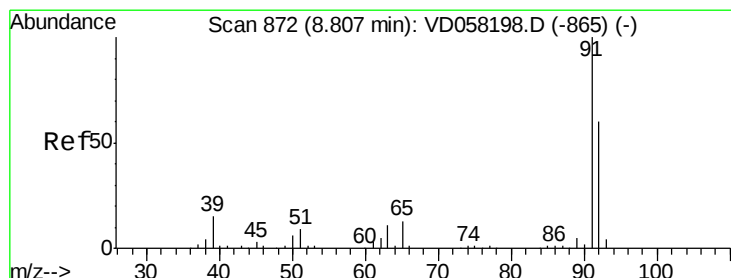
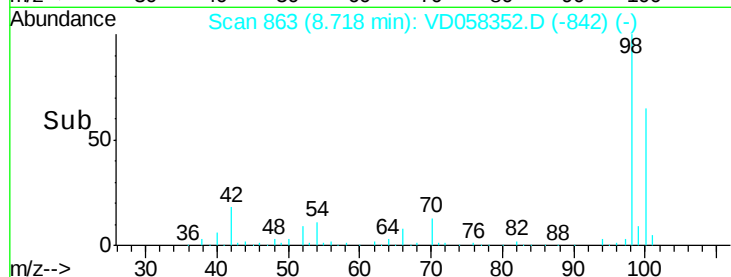
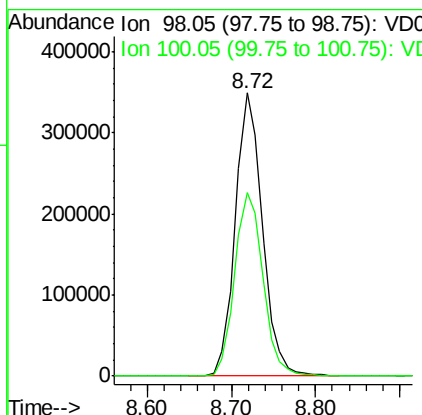
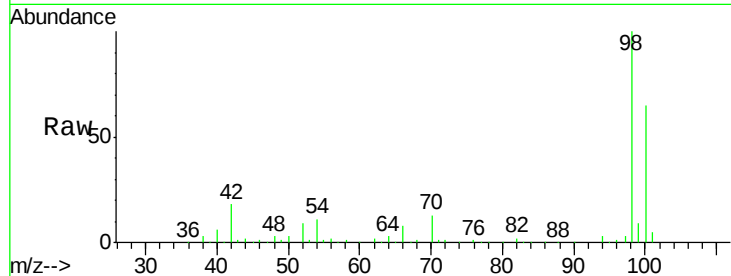




#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.72 min Scan# 863
Delta R.T. 0.01 min
Lab File: VD058352.D
Acq: 23 Jun 2018 20:32

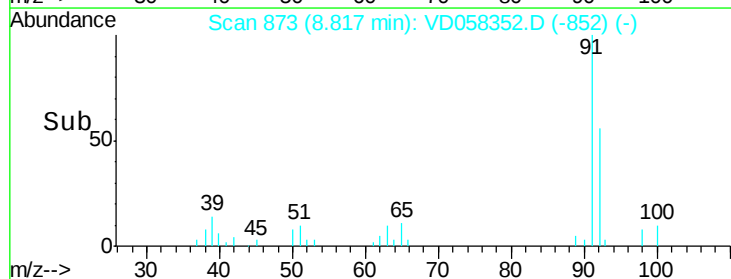
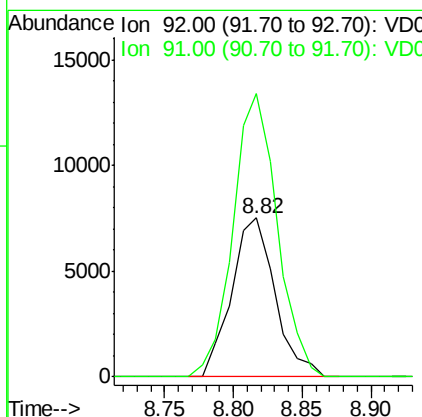
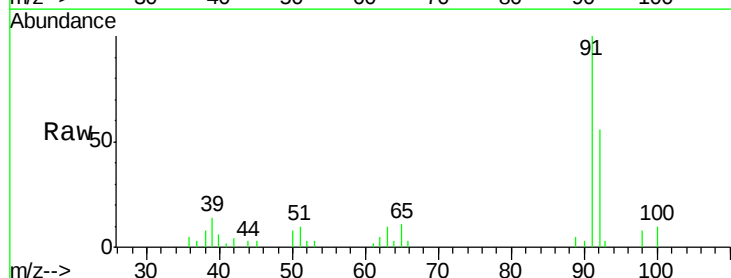
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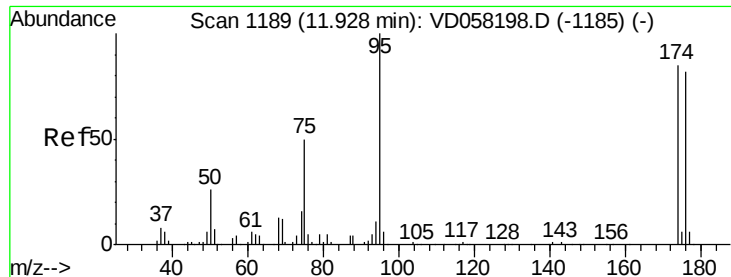
Tot Ion: 98 Resp: 785937
Ion Ratio Lower Upper
98 100
100 65.1 53.6 80.4



#52
Toluene
Concen: 1.10 ug/l
RT: 8.82 min Scan# 873
Delta R.T. 0.01 min
Lab File: VD058352.D
Acq: 23 Jun 2018 20:32

Tgt Ion: 92 Resp: 16563
Ion Ratio Lower Upper
92 100
91 178.3 133.2 199.8

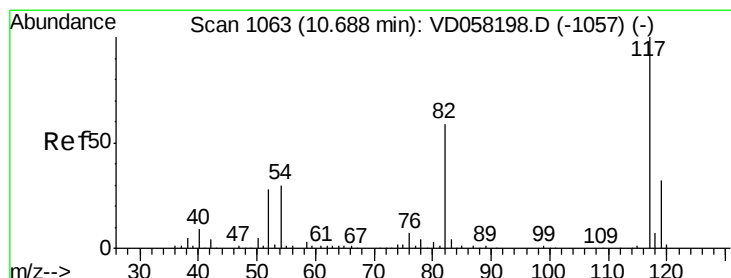
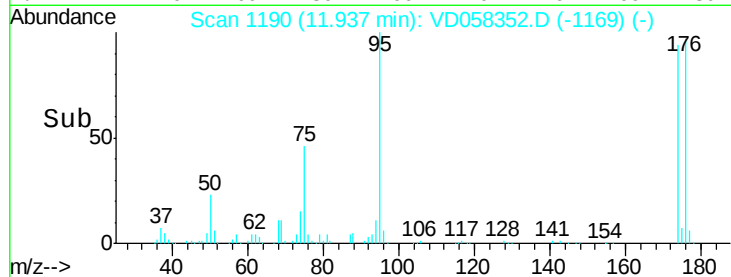
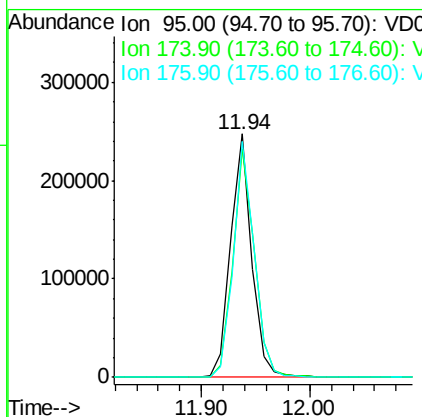
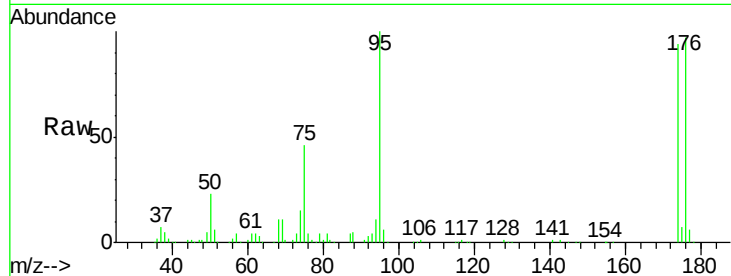




#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 11.94 min Scan# 1190
Delta R.T. 0.01 min
Lab File: VD058352.D
Acq: 23 Jun 2018 20:32

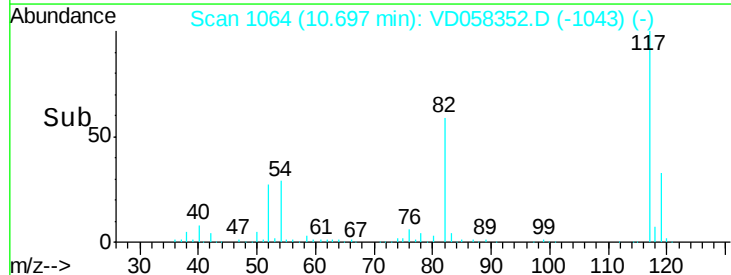
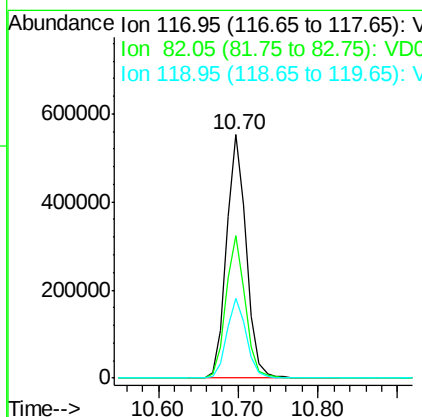
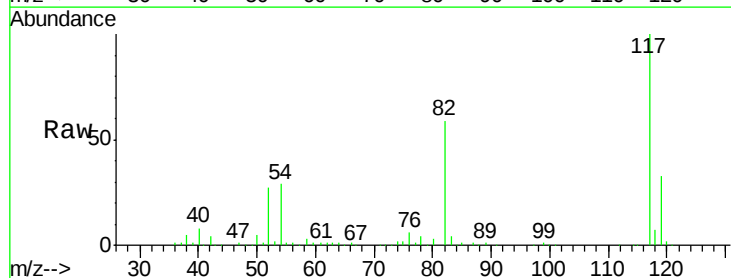
Instrument :
MSVOA_D
ClientSampleId :
WP021SB478-15-17-180621

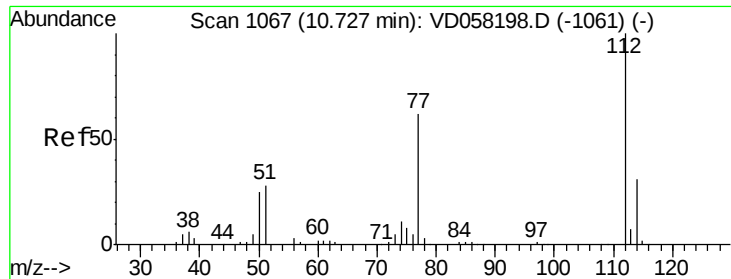
Tot Ion: 95 Resp: 337276
Ion Ratio Lower Upper
95 100
174 93.9 0.0 170.2
176 97.0 0.0 164.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.70 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VD058352.D
Acq: 23 Jun 2018 20:32

Tgt Ion: 117 Resp: 968695
Ion Ratio Lower Upper
117 100
82 58.7 47.0 70.6
119 32.7 25.3 37.9

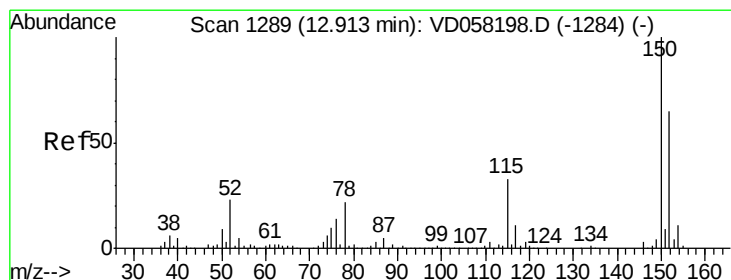
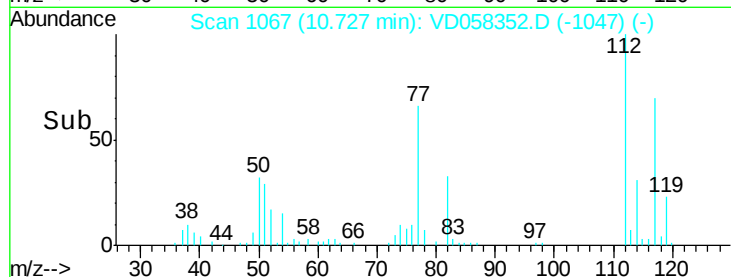
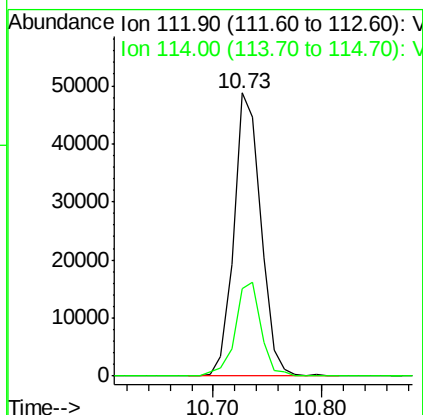
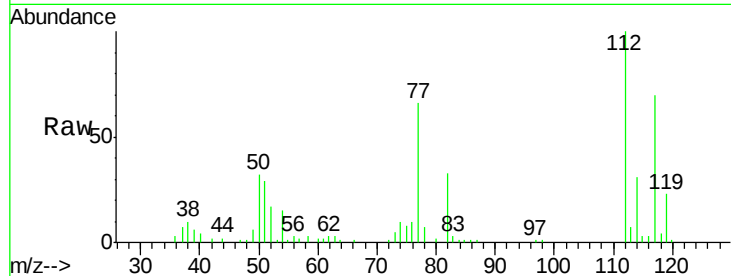




#65
Chlorobenzene
Concen: 4.67 ug/l
RT: 10.73 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VD058352.D
Acq: 23 Jun 2018 20:32

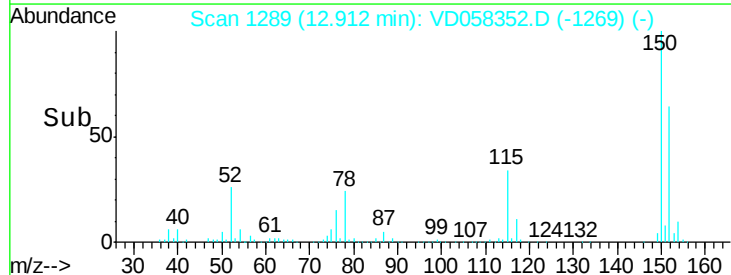
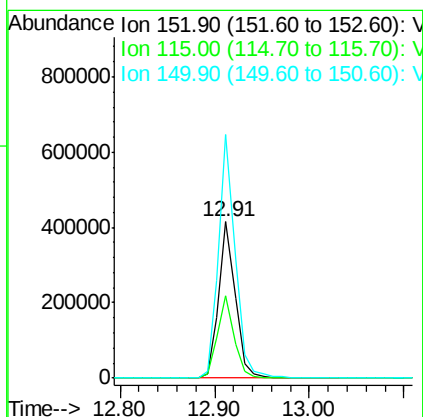
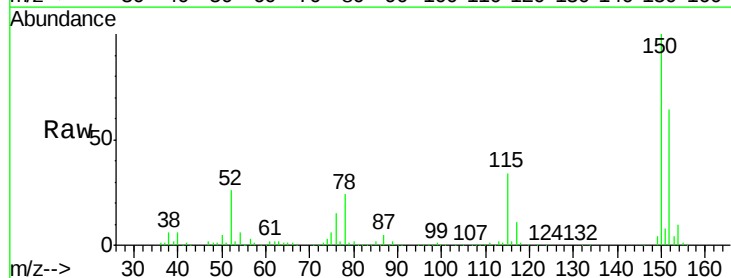
Instrument :
MSVOA_D
ClientSampleId :
WP021SB478-15-17-180621

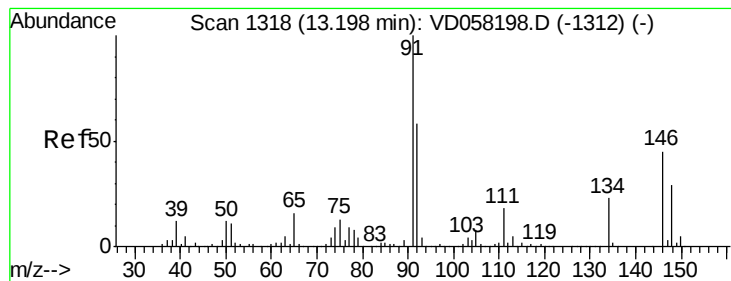
Tot Ion:112 Resp: 84561
Ion Ratio Lower Upper
112 100
114 31.0 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VD058352.D
Acq: 23 Jun 2018 20:32

Tgt Ion:152 Resp: 507236
Ion Ratio Lower Upper
152 100
115 52.9 25.1 75.3
150 155.9 0.0 308.8





#91

1,2-Dichlorobenzene

Concen: 1.96 ug/l

RT: 13.20 min Scan# 1318

Delta R.T. -0.00 min

Lab File: VD058352.D

Acq: 23 Jun 2018 20:32

Instrument :

MSVOA_D

ClientSampleId :

WP021SB478-15-17-180621

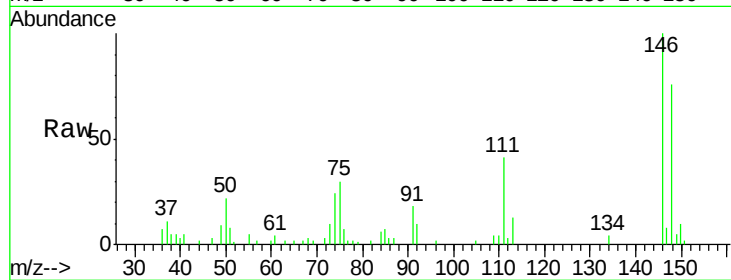
Tot Ion:146 Resp: 26313

Ion Ratio Lower Upper

146 100

111 41.2 19.6 58.7

148 76.2 32.0 96.2



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

