

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062318\
 Data File : VD058360.D
 Acq On : 24 Jun 2018 00:17
 Operator : VA/AP
 Sample : J3669-06
 Misc : 6.47g/5ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB484-33-35-180620

Quant Time: Jun 25 08:54:48 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	794098	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	6.71	114	1079339	50.00	ug/l	0.02
63) Chlorobenzene-d5	10.70	117	901475	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.91	152	464459	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	436198	54.38	ug/l	0.02
Spiked Amount 50.000			Recovery	=	108.76%	
35) Dibromofluoromethane	5.57	113	449157	51.13	ug/l	0.02
Spiked Amount 50.000			Recovery	=	102.26%	
50) Toluene-d8	8.72	98	1022068	48.09	ug/l	0.01
Spiked Amount 50.000			Recovery	=	96.18%	
62) 4-Bromofluorobenzene	11.94	95	453756	52.26	ug/l	0.01
Spiked Amount 50.000			Recovery	=	104.52%	

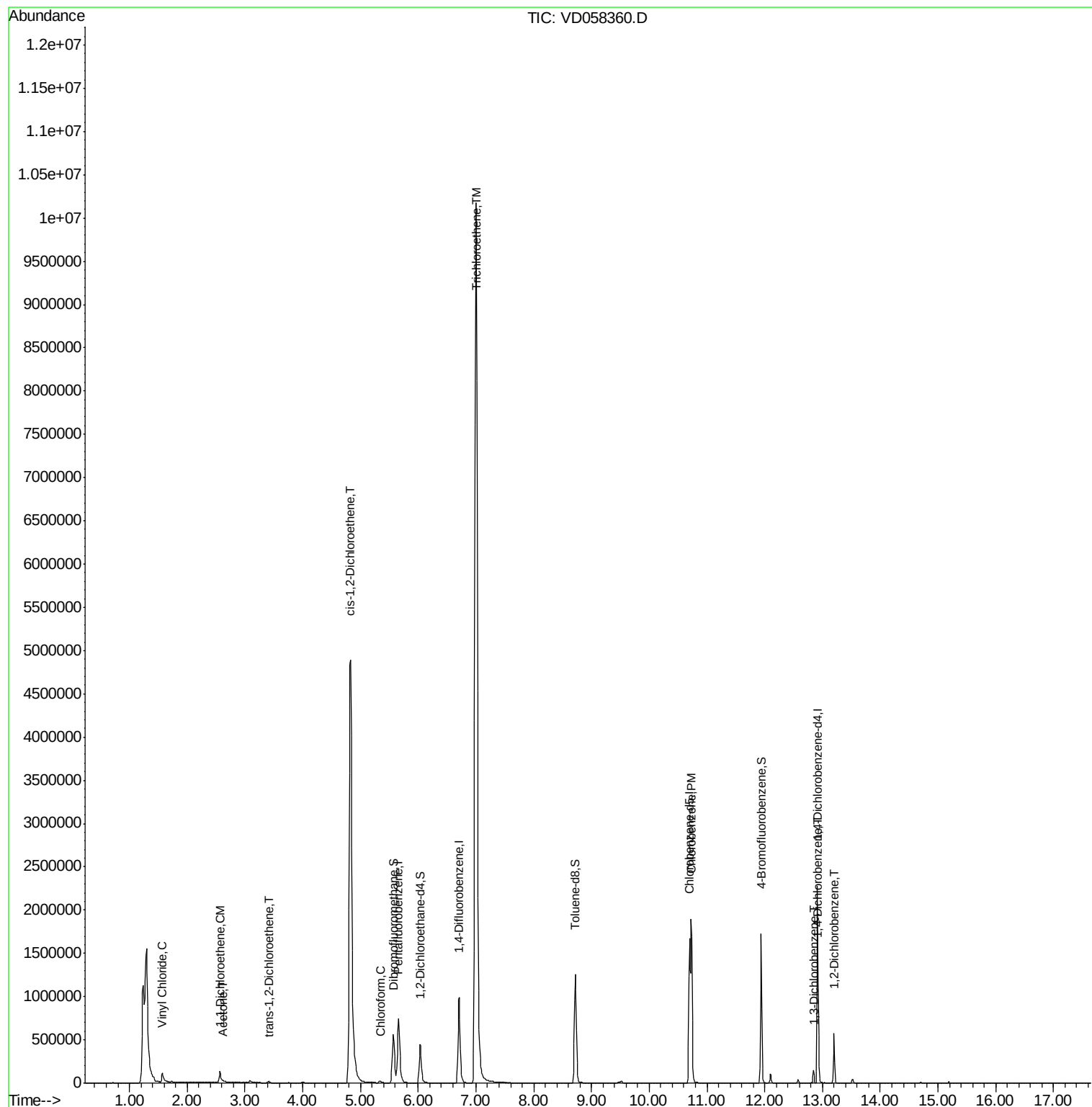
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.57	62	142160	34.17	ug/l	100
12) 1,1-Dichloroethene	2.57	96	43728	16.03	ug/l	98
16) Acetone	2.64	43	30902	28.17	ug/l #	81
21) trans-1,2-Dichloroethene	3.40	96	8098	2.72	ug/l	81
27) cis-1,2-Dichloroethene	4.83	96	3347844	449.32	ug/l	93
30) Chloroform	5.34	83	21043	1.47	ug/l	94
44) Trichloroethene	7.01	130	4952501	648.44	ug/l	90
65) Chlorobenzene	10.73	112	961647	57.03	ug/l	97
87) 1,3-Dichlorobenzene	12.84	146	45847	3.17	ug/l	97
88) 1,4-Dichlorobenzene	12.93	146	123883	8.77	ug/l	100
91) 1,2-Dichlorobenzene	13.20	146	181282	14.73	ug/l	98

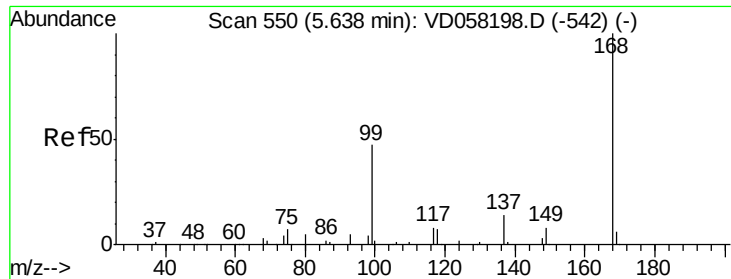
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062318\
Data File : VD058360.D
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WP021SB484-33-35-180620

Quant Time: Jun 25 08:54:48 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: VD058360.D

Acq: 24 Jun 2018 00:17

Instrument :

MSVOA_D

ClientSampleId :

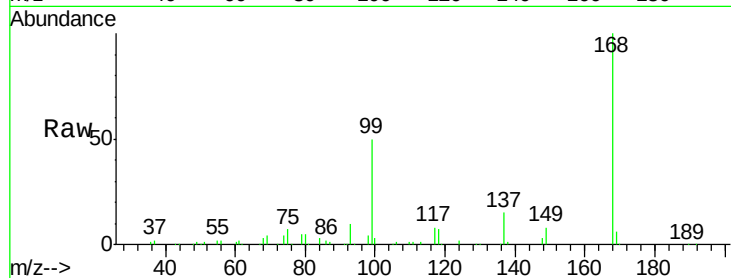
WP021SB484-33-35-180620

Tot Ion:168 Resp: 794098

Ion Ratio Lower Upper

168 100

99 50.0 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.67

250000

200000

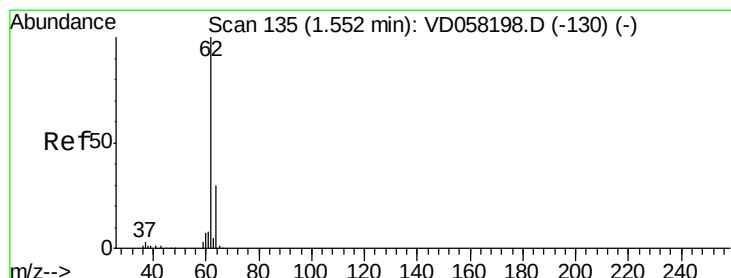
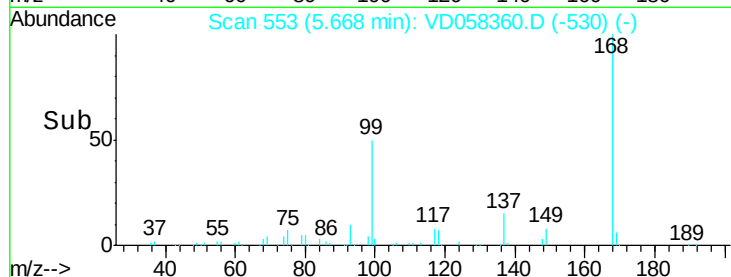
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 34.17 ug/l

RT: 1.57 min Scan# 137

Delta R.T. 0.02 min

Lab File: VD058360.D

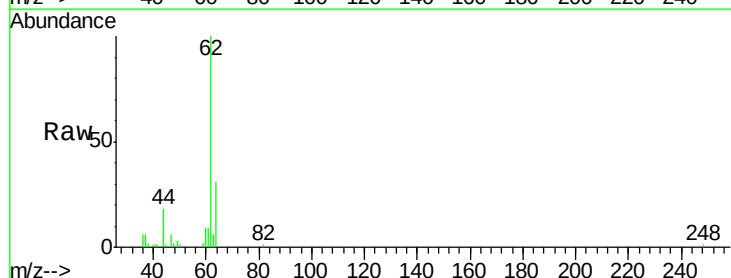
Acq: 24 Jun 2018 00:17

Tgt Ion: 62 Resp: 142160

Ion Ratio Lower Upper

62 100

64 30.6 24.4 36.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.57

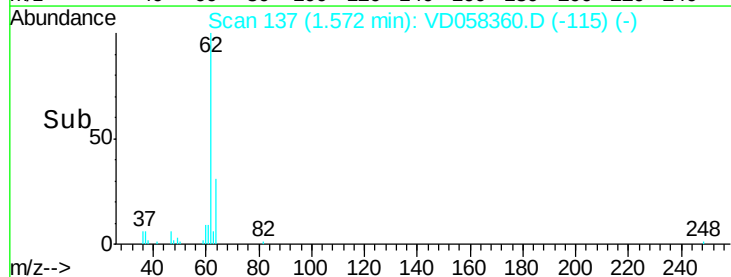
60000

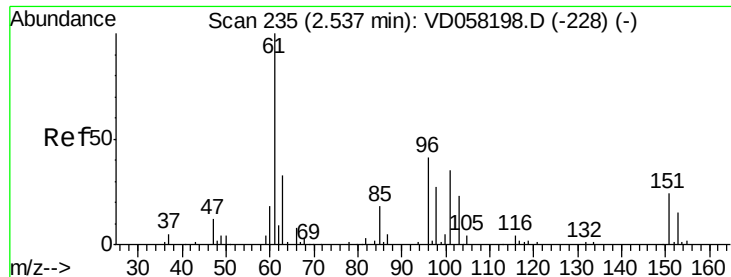
40000

20000

0

Time--> 1.50 1.60 1.70

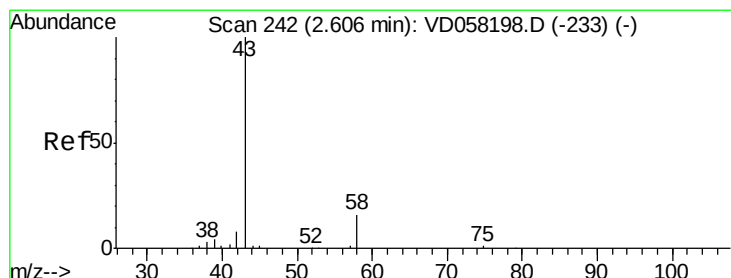
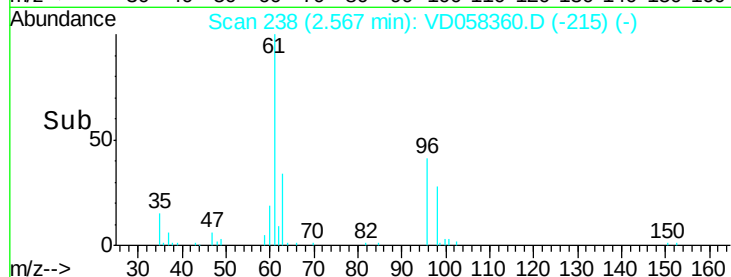
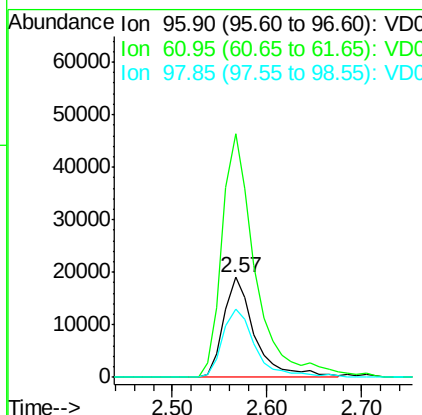
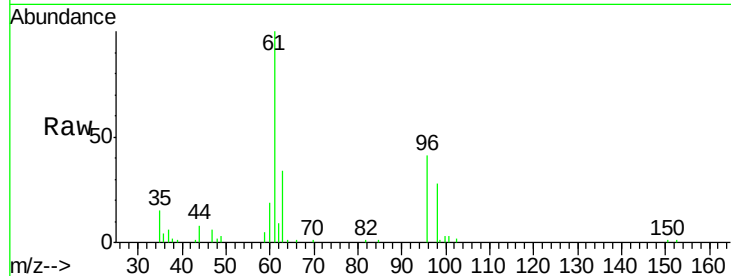




#12
 1,1-Dichloroethene
 Concen: 16.03 ug/l
 RT: 2.57 min Scan# 238
 Delta R.T. 0.03 min
 Lab File: VD058360.D
 Acq: 24 Jun 2018 00:17

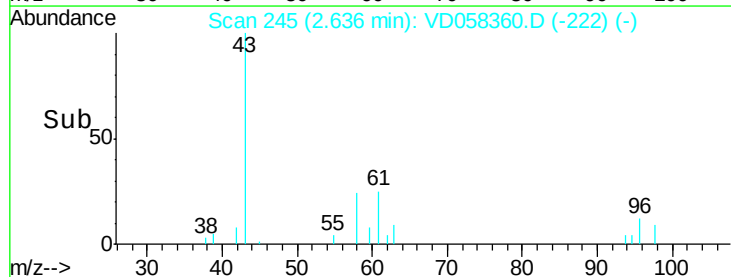
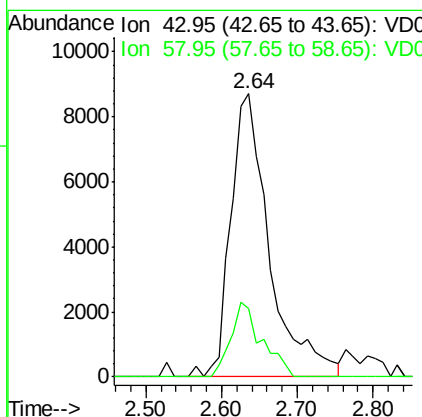
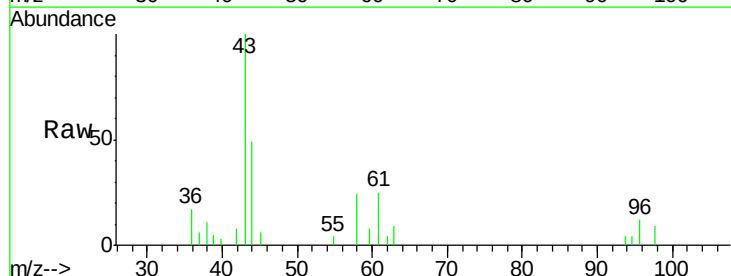
Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB484-33-35-180620

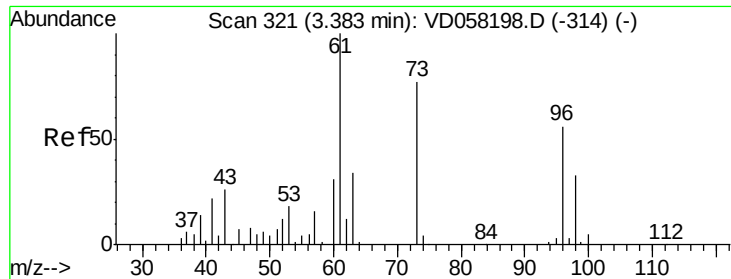
Tot Ion: 96 Resp: 43728
 Ion Ratio Lower Upper
 96 100
 61 243.8 193.9 290.9
 98 68.0 51.7 77.5



#16
 Acetone
 Concen: 28.17 ug/l
 RT: 2.64 min Scan# 245
 Delta R.T. 0.03 min
 Lab File: VD058360.D
 Acq: 24 Jun 2018 00:17

Tgt Ion: 43 Resp: 30902
 Ion Ratio Lower Upper
 43 100
 58 24.1 12.7 19.1#





#21

trans-1,2-Dichloroethene

Concen: 2.72 ug/l

RT: 3.40 min Scan# 323

Delta R.T. 0.02 min

Lab File: VD058360.D

Acq: 24 Jun 2018 00:17

Instrument :

MSVOA_D

ClientSampleId :

WP021SB484-33-35-180620

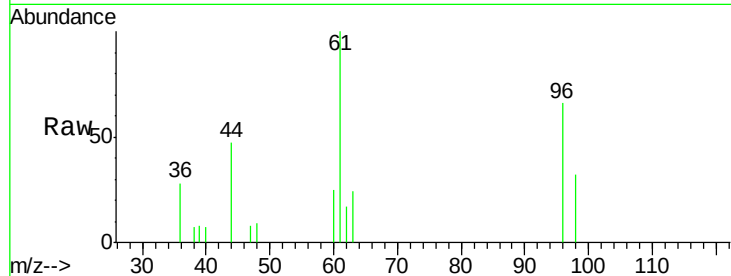
Tot Ion: 96 Resp: 8098

Ion Ratio Lower Upper

96 100

61 151.6 143.8 215.6

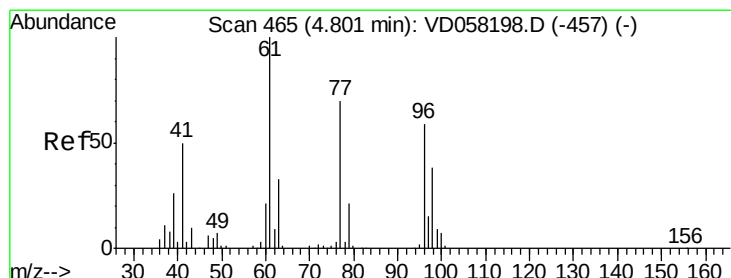
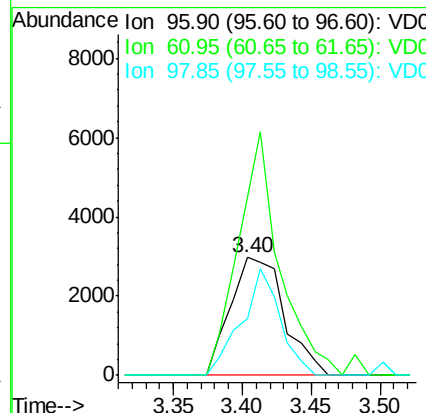
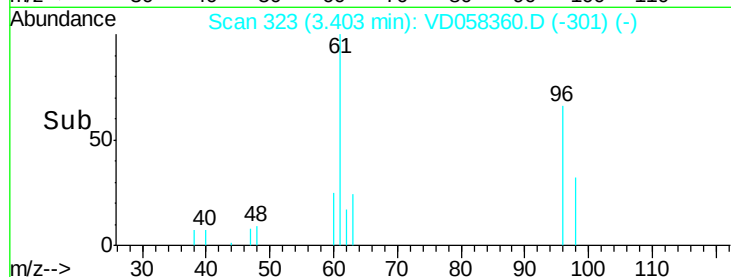
98 48.0 48.0 72.0



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



#27

cis-1,2-Dichloroethene

Concen: 449.32 ug/l

RT: 4.83 min Scan# 468

Delta R.T. 0.03 min

Lab File: VD058360.D

Acq: 24 Jun 2018 00:17

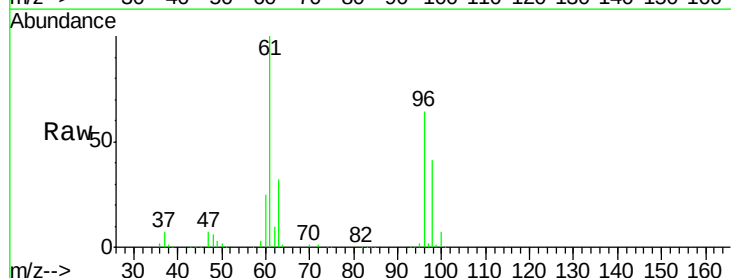
Tgt Ion: 96 Resp: 3347844

Ion Ratio Lower Upper

96 100

61 156.7 0.0 338.6

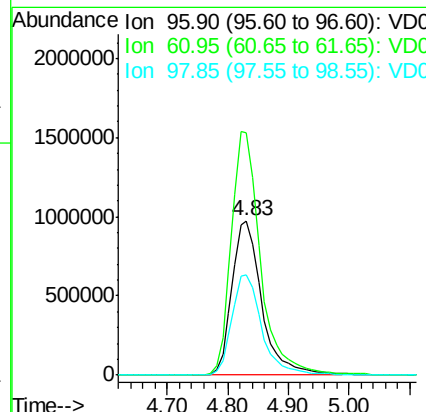
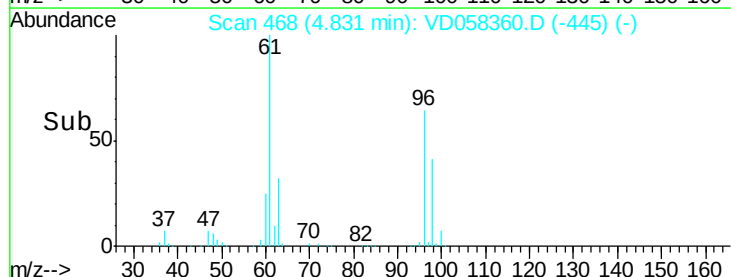
98 64.5 0.0 130.2

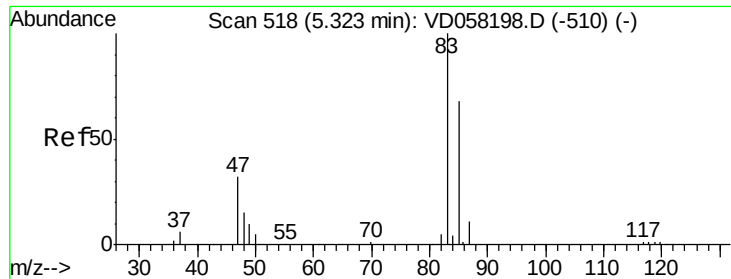


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC

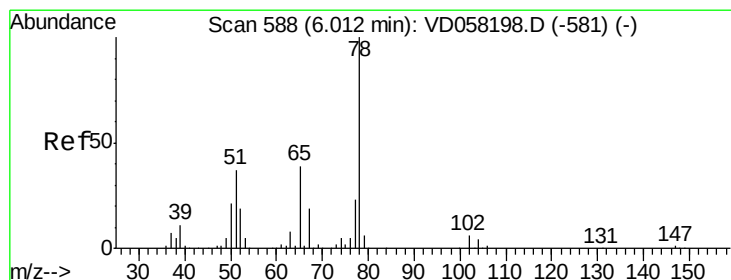
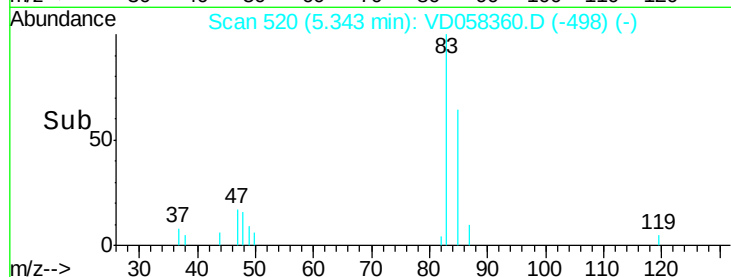
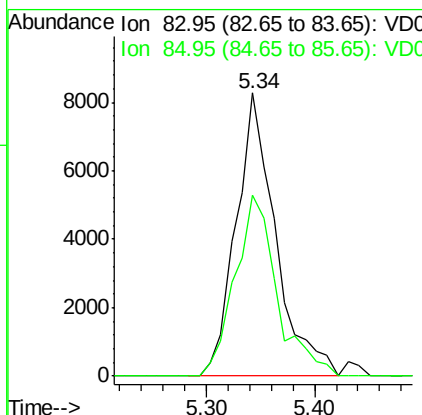
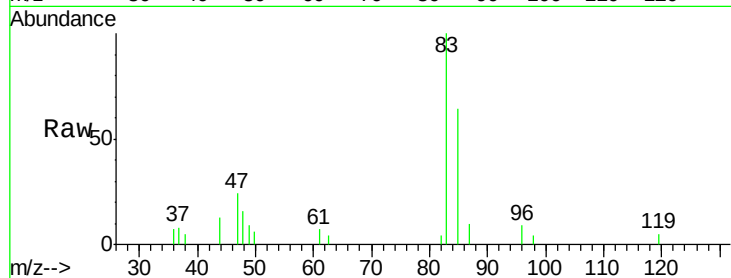




#30
Chloroform
Concen: 1.47 ug/l
RT: 5.34 min Scan# 520
Delta R.T. 0.02 min
Lab File: VD058360.D
Acq: 24 Jun 2018 00:17

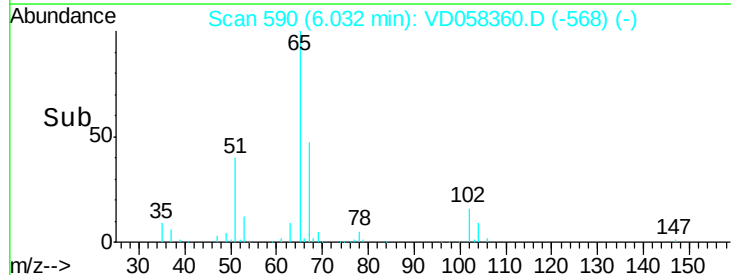
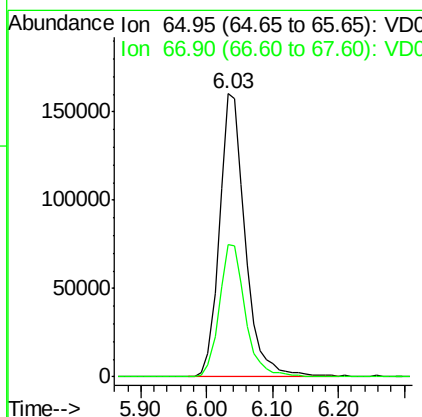
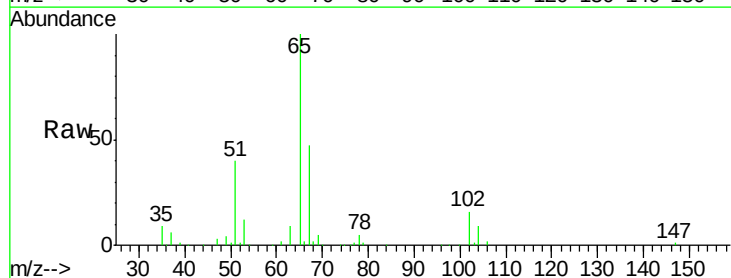
Instrument :
MSVOA_D
ClientSampleId :
WP021SB484-33-35-180620

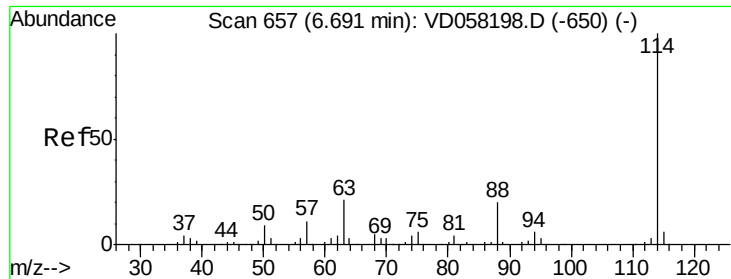
Tot Ion: 83 Resp: 21043
Ion Ratio Lower Upper
83 100
85 63.8 54.8 82.2



#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.03 min Scan# 590
Delta R.T. 0.02 min
Lab File: VD058360.D
Acq: 24 Jun 2018 00:17

Tgt Ion: 65 Resp: 436198
Ion Ratio Lower Upper
65 100
67 46.9 0.0 97.8





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.71 min Scan# 659

Delta R.T. 0.02 min

Lab File: VD058360.D

Acq: 24 Jun 2018 00:17

Instrument :

MSVOA_D

ClientSampleId :

WP021SB484-33-35-180620

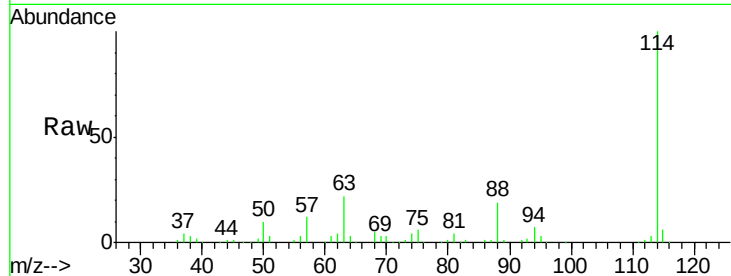
Tot Ion:114 Resp: 1079339

Ion Ratio Lower Upper

114 100

63 21.5 0.0 42.6

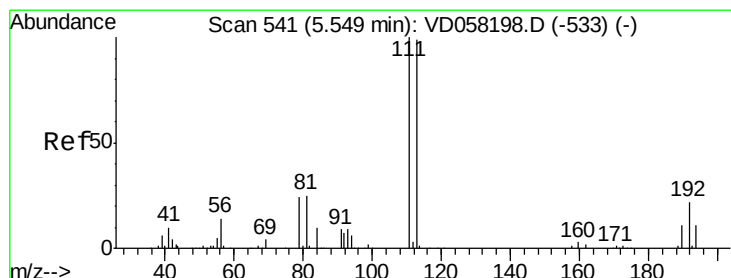
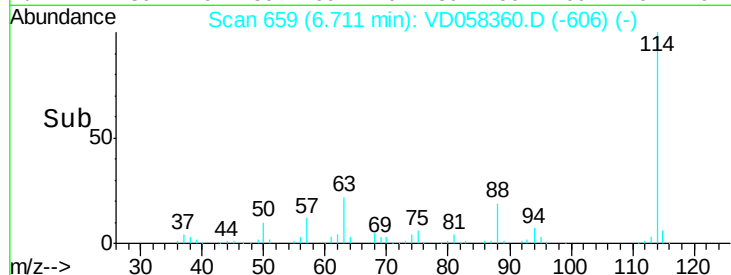
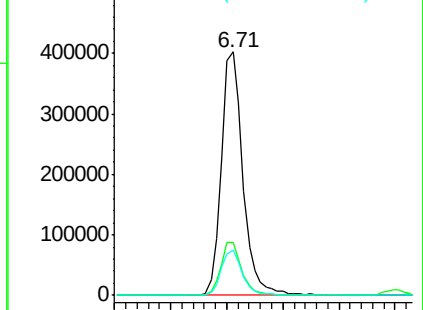
88 18.7 0.0 40.6



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: 50.00 ug/l

RT: 5.57 min Scan# 543

Delta R.T. 0.02 min

Lab File: VD058360.D

Acq: 24 Jun 2018 00:17

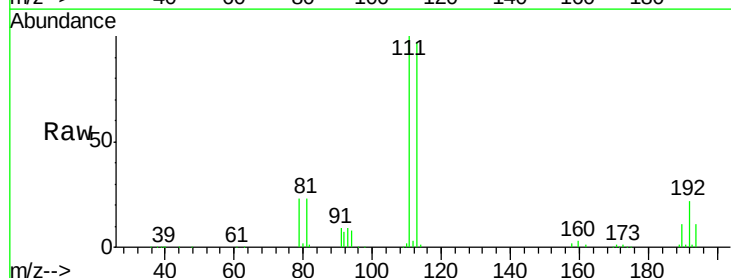
Tgt Ion:113 Resp: 449157

Ion Ratio Lower Upper

113 100

111 103.0 80.6 121.0

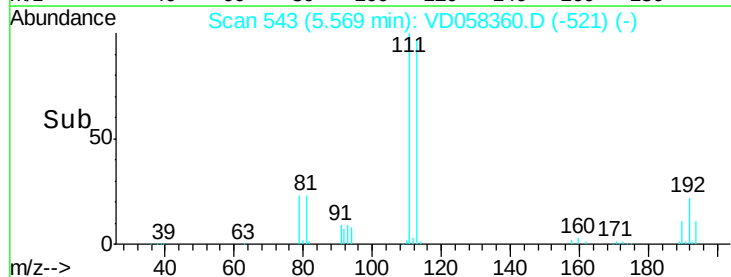
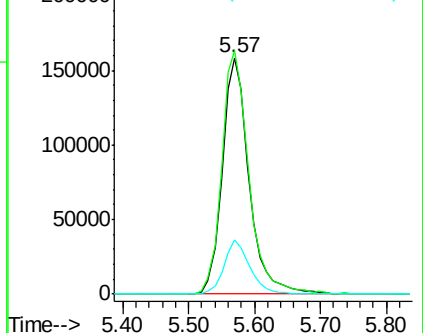
192 22.7 17.8 26.6

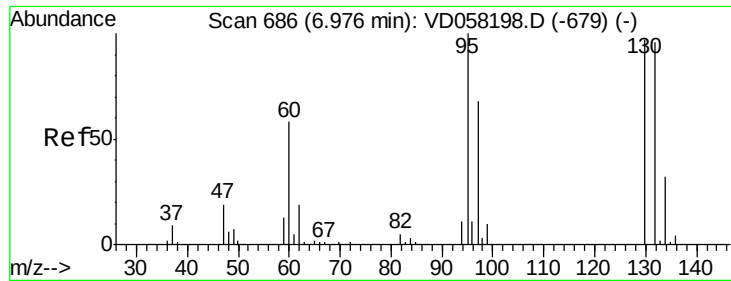


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#44

Trichloroethene

Concen: 648.44 ug/l

RT: 7.01 min Scan# 689

Delta R.T. 0.03 min

Lab File: VD058360.D

Acq: 24 Jun 2018 00:17

Instrument :

MSVOA_D

ClientSampleId :

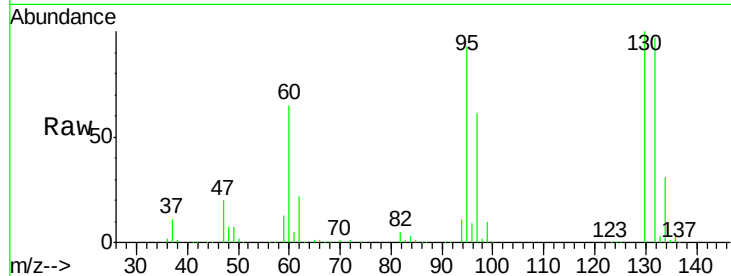
WP021SB484-33-35-180620

Tot Ion:130 Resp: 4952501

Ion Ratio Lower Upper

130 100

95 93.1 0.0 205.6



Abundance Ion 129.80 (129.50 to 130.50): V

2000000 Ion 94.90 (94.60 to 95.60): VDC

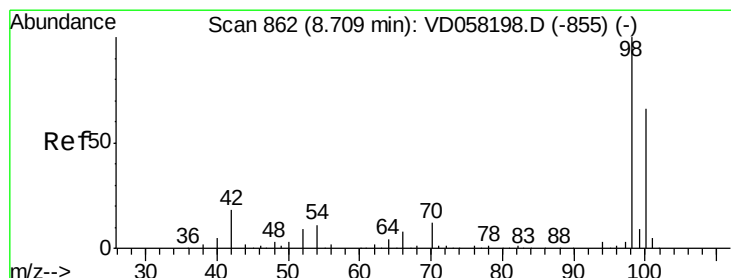
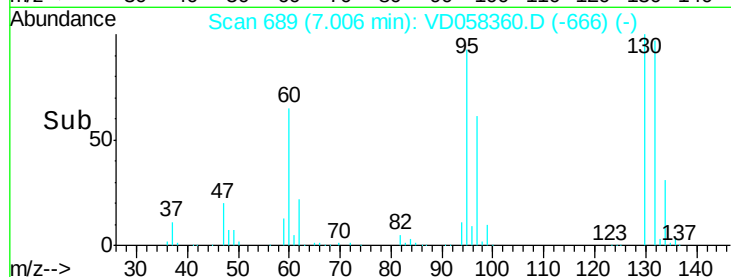
1500000

1000000

500000

0

Time--> 6.80 6.90 7.00 7.10 7.20



#50

Toluene-d8

Concen: N.D. ug/l

RT: 8.72 min Scan# 863

Delta R.T. 0.01 min

Lab File: VD058360.D

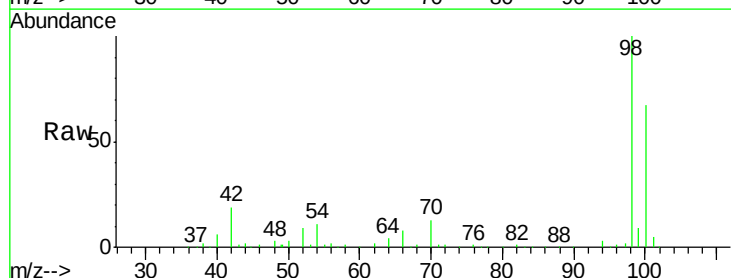
Acq: 24 Jun 2018 00:17

Tgt Ion: 98 Resp: 1022068

Ion Ratio Lower Upper

98 100

100 66.6 53.6 80.4



Abundance Ion 98.05 (97.75 to 98.75): VDC

500000 Ion 100.05 (99.75 to 100.75): VDC

400000

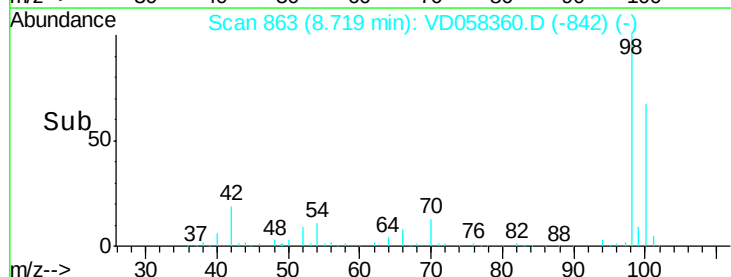
300000

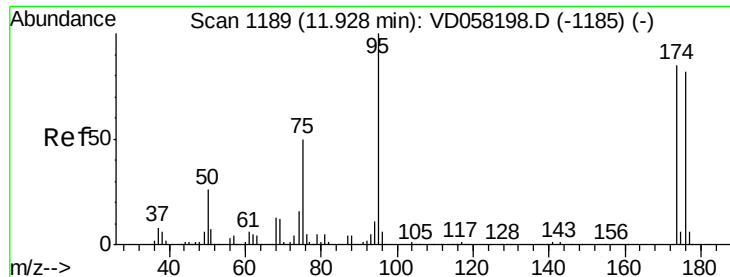
200000

100000

0

Time--> 8.60 8.70 8.80 8.90





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD058360.D

Acq: 24 Jun 2018 00:17

Instrument :

MSVOA_D

ClientSampleId :

WP021SB484-33-35-180620

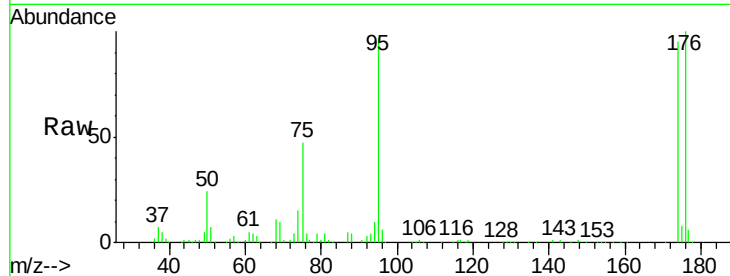
Tot Ion: 95 Resp: 453756

Ion Ratio Lower Upper

95 100

174 97.9 0.0 170.2

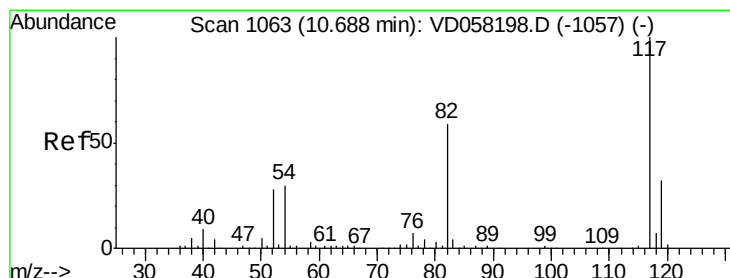
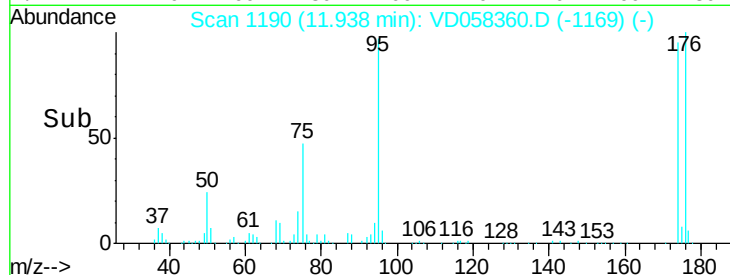
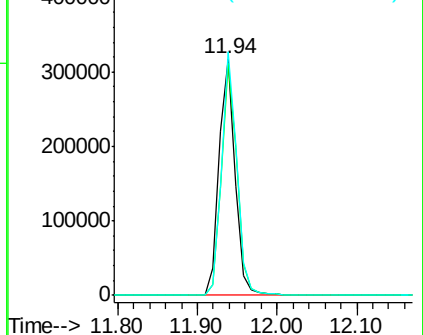
176 102.9 0.0 164.6



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: 50.00 ug/l

RT: 10.70 min Scan# 1064

Delta R.T. 0.01 min

Lab File: VD058360.D

Acq: 24 Jun 2018 00:17

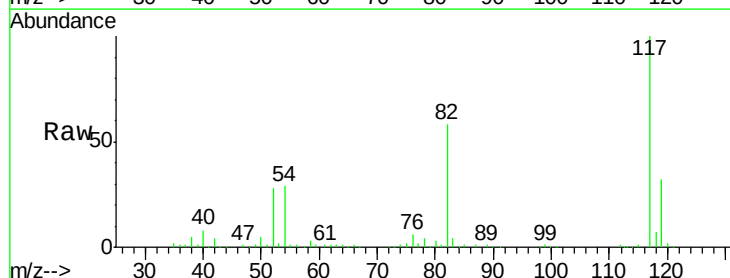
Tgt Ion: 117 Resp: 901475

Ion Ratio Lower Upper

117 100

82 58.3 47.0 70.6

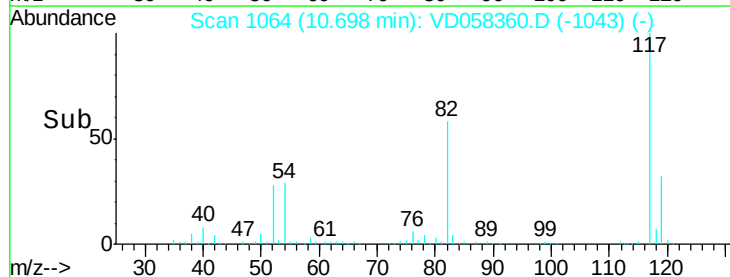
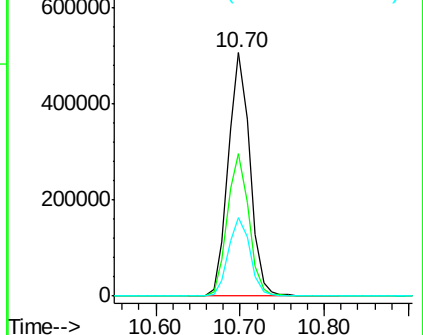
119 32.4 25.3 37.9

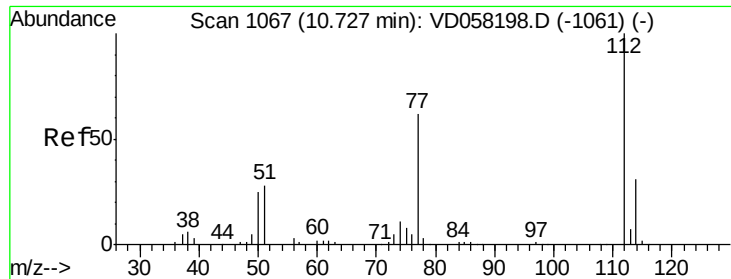


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

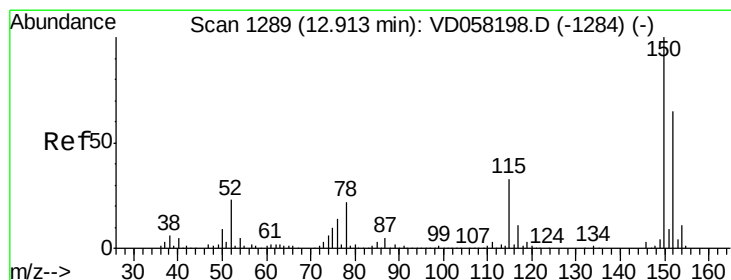
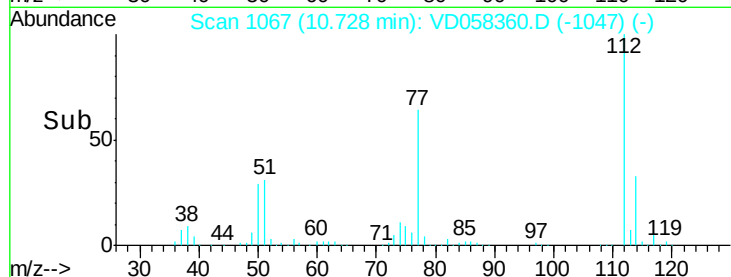
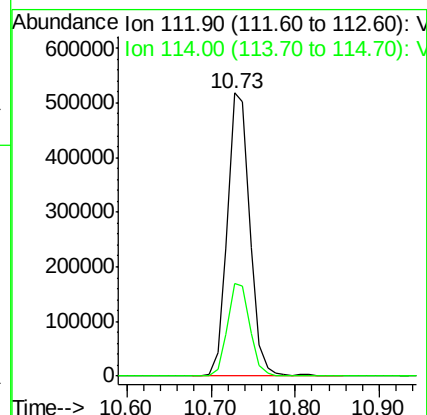
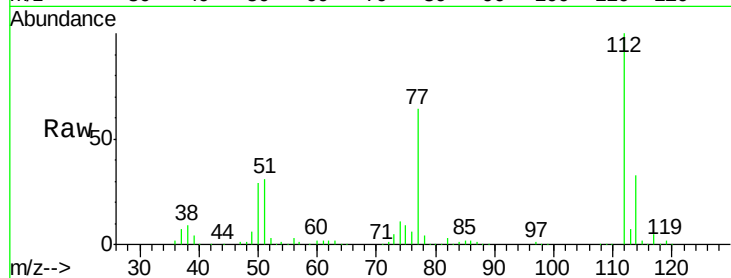




#65
Chlorobenzene
Concen: 57.03 ug/l
RT: 10.73 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VD058360.D
Acq: 24 Jun 2018 00:17

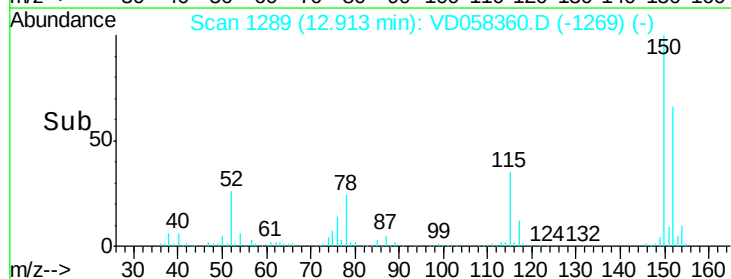
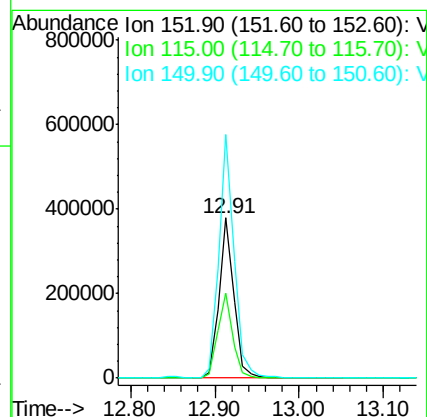
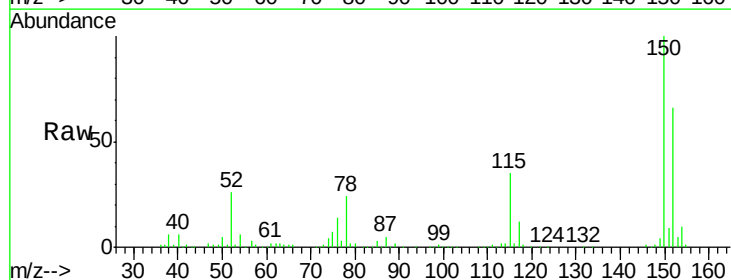
Instrument :
MSVOA_D
ClientSampleId :
WP021SB484-33-35-180620

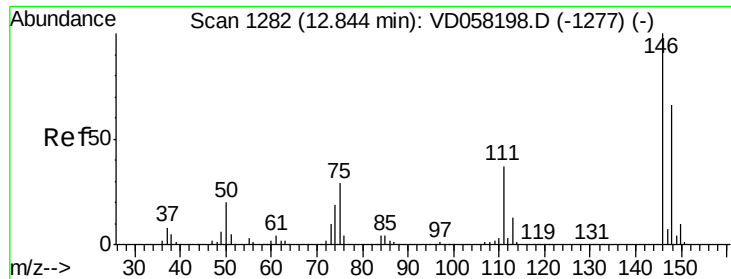
Tot Ion:112 Resp: 961647
Ion Ratio Lower Upper
112 100
114 32.8 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VD058360.D
Acq: 24 Jun 2018 00:17

Tgt Ion:152 Resp: 464459
Ion Ratio Lower Upper
152 100
115 53.4 25.1 75.3
150 151.9 0.0 308.8

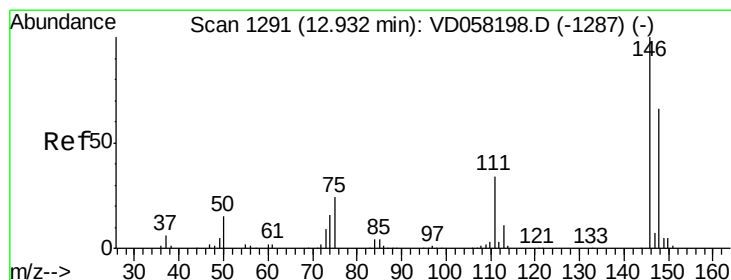
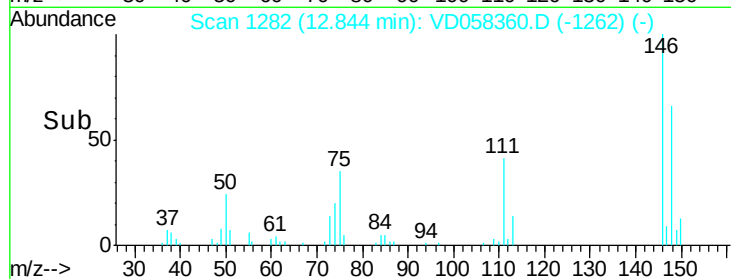
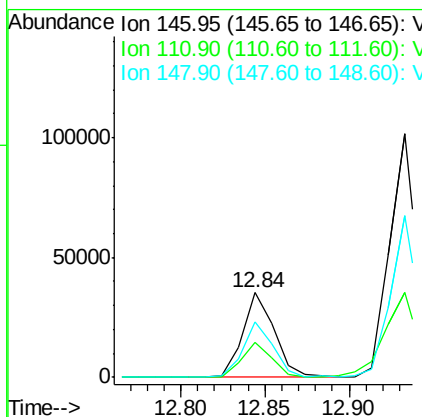
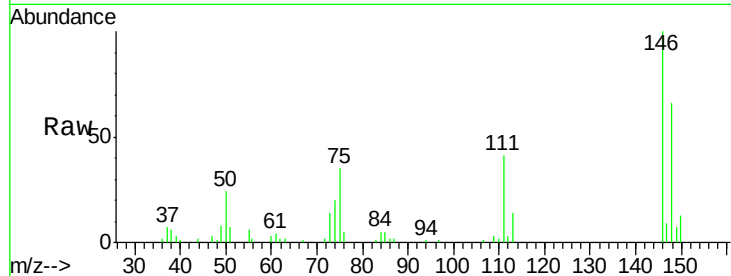




#87
 1,3-Dichlorobenzene
 Concen: 3.17 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD058360.D
 Acq: 24 Jun 2018 00:17

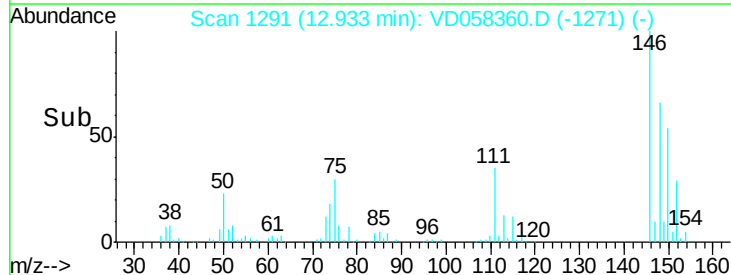
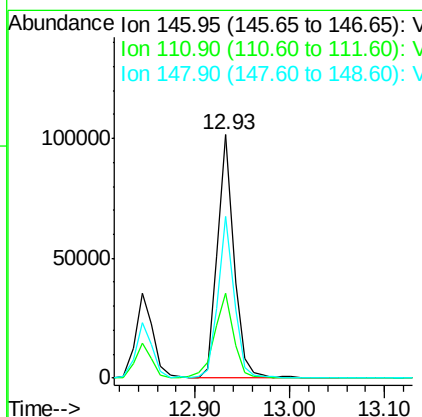
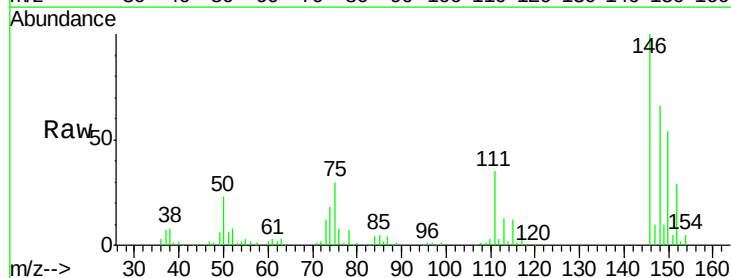
Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB484-33-35-180620

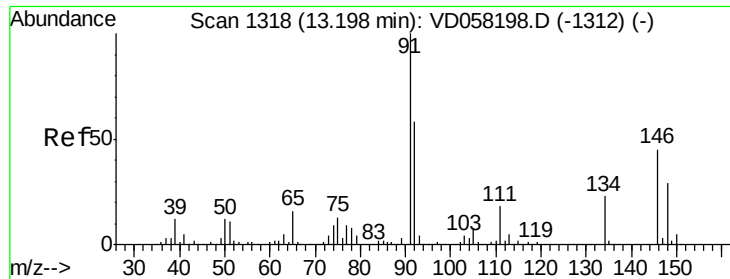
Tot Ion:146 Resp: 45847
 Ion Ratio Lower Upper
 146 100
 111 40.9 18.4 55.0
 148 65.7 32.8 98.4



#88
 1,4-Dichlorobenzene
 Concen: 8.77 ug/l
 RT: 12.93 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VD058360.D
 Acq: 24 Jun 2018 00:17

Tgt Ion:146 Resp: 123883
 Ion Ratio Lower Upper
 146 100
 111 34.9 17.2 51.5
 148 66.3 33.1 99.3





#91

1,2-Dichlorobenzene

Concen: 14.73 ug/l

RT: 13.20 min Scan# 1318

Delta R.T. 0.00 min

Lab File: VD058360.D

Acq: 24 Jun 2018 00:17

Instrument :

MSVOA_D

ClientSampleId :

WP021SB484-33-35-180620

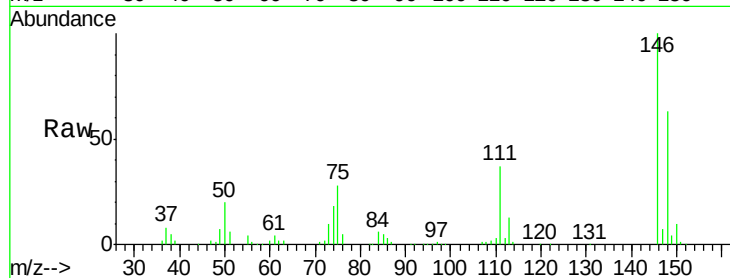
Tot Ion:146 Resp: 181282

Ion Ratio Lower Upper

146 100

111 37.1 19.6 58.7

148 62.8 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

