

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091120\
 Data File : VD066653.D
 Acq On : 11 Sep 2020 17:24
 Operator : VA/SY
 Sample : L3981-04
 Misc : 11.07G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B18-0-2

Quant Time: Sep 12 01:25:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

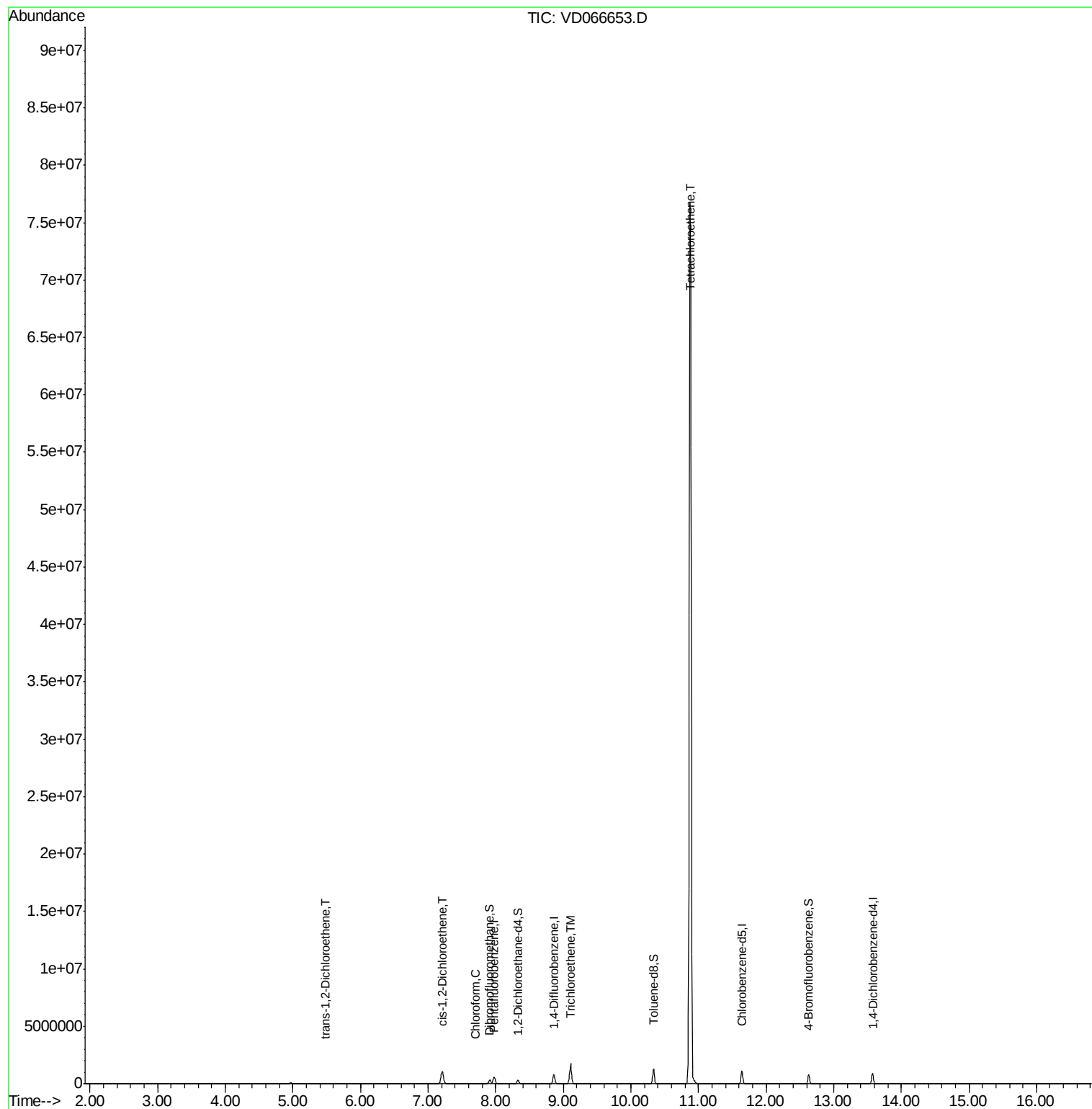
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	399096	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	679375	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	610749	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	219800	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	234485	48.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.12%	
35) Dibromofluoromethane	7.91	113	233662	50.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.96%	
50) Toluene-d8	10.34	98	824281	50.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.64%	
62) 4-Bromofluorobenzene	12.63	95	241283	44.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.84%	
Target Compounds						
21) trans-1,2-Dichloroethene	5.47	96	8232	1.724	ug/l #	75
27) cis-1,2-Dichloroethene	7.21	96	641591	124.951	ug/l	88
30) Chloroform	7.71	83	11395	1.264	ug/l	93
44) Trichloroethene	9.11	130	624310	122.912	ug/l	91
64) Tetrachloroethene	10.87	164	18825422	4577.949	ug/l #	88

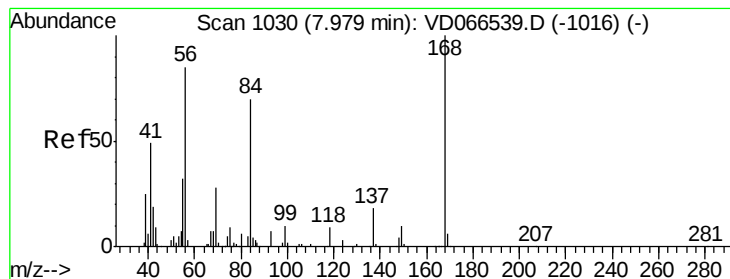
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066653.D

Acq: 11 Sep 2020 17:24

Instrument :

MSVOA_D

ClientSampleId :

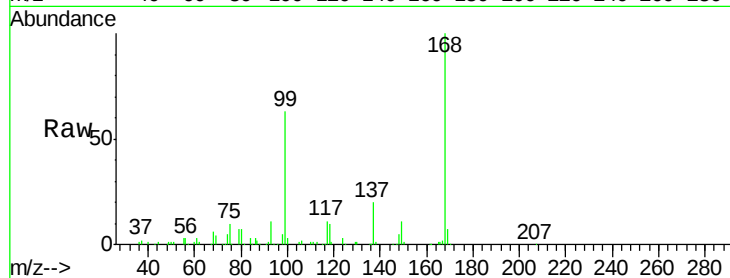
B18-0-2

Tot Ion:168 Resp: 399096

Ion Ratio Lower Upper

168 100

99 62.8 50.5 75.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

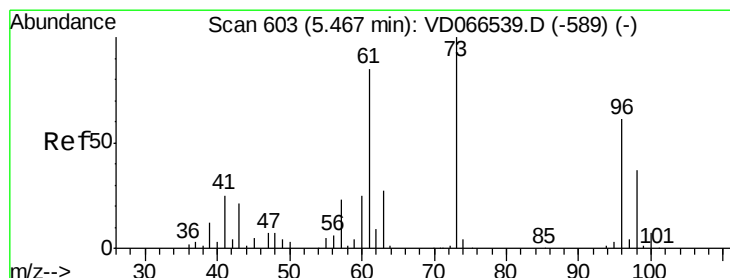
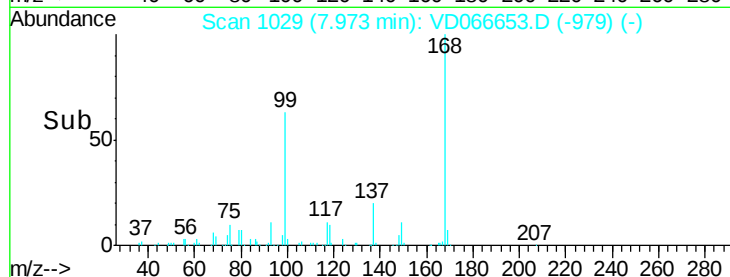
150000

100000

50000

0

Time-->



#21

trans-1,2-Dichloroethene

Concen: 1.724 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD066653.D

Acq: 11 Sep 2020 17:24

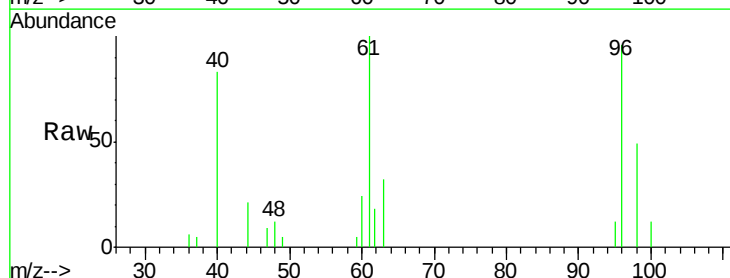
Tgt Ion: 96 Resp: 8232

Ion Ratio Lower Upper

96 100

61 103.6 112.1 168.1#

98 50.7 48.6 72.8



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

5.47

4000

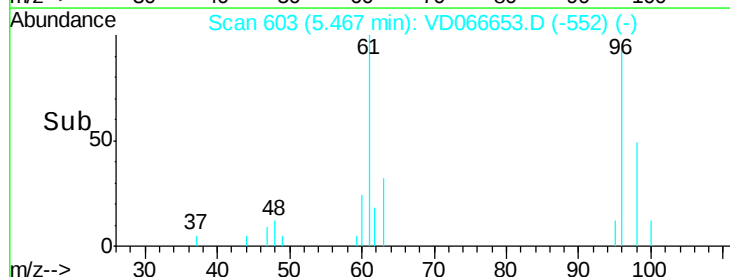
3000

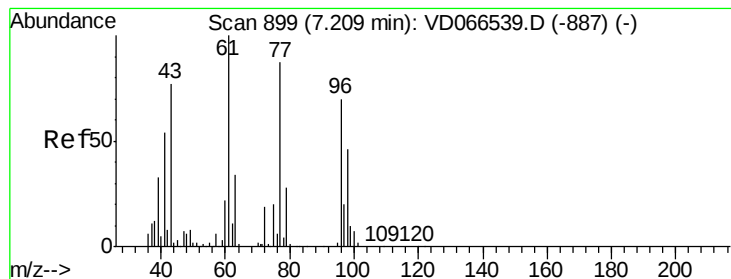
2000

1000

0

Time-->



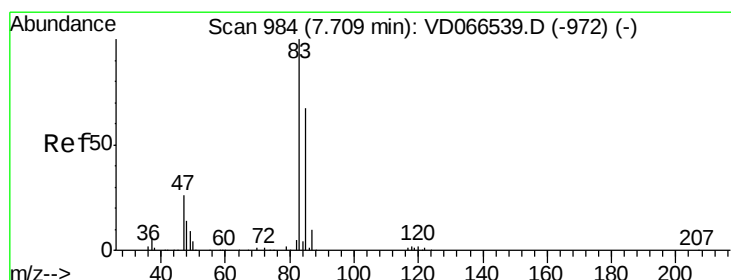
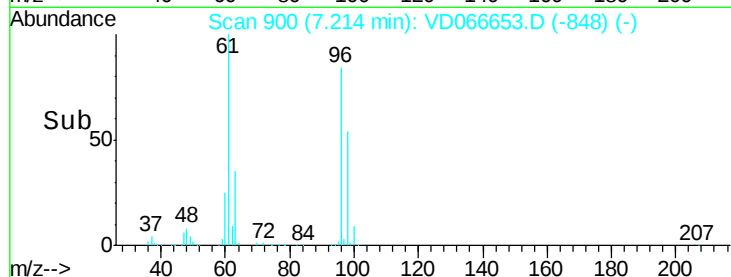
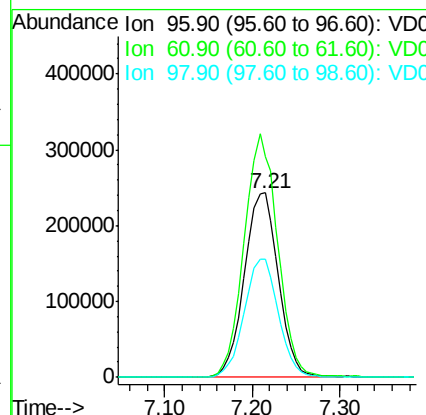
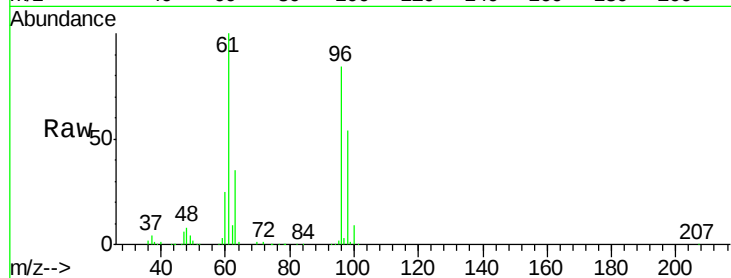


#27

cis-1,2-Dichloroethene
 Concen: 124.951 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD066653.D
 Acq: 11 Sep 2020 17:24

Instrument :
 MSVOA_D
 ClientSampleId :
 B18-0-2

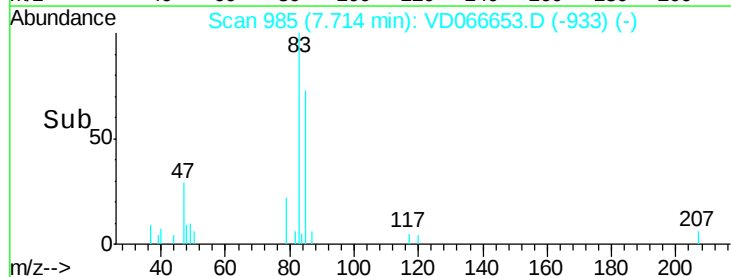
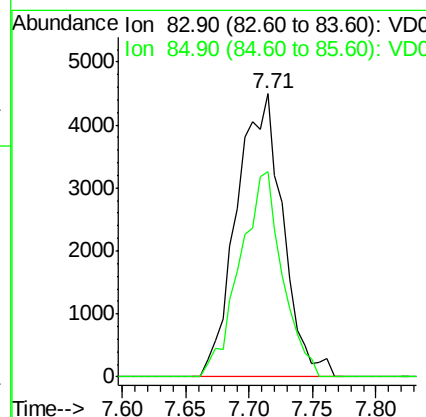
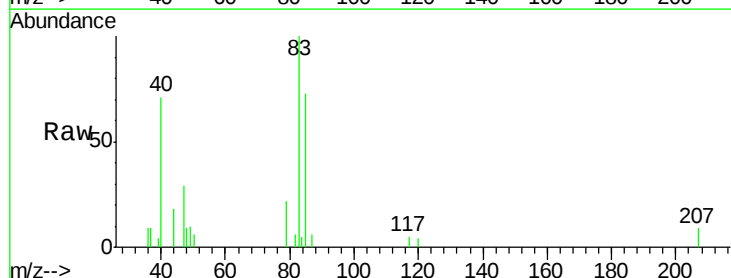
Tot Ion: 96 Resp: 641591
 Ion Ratio Lower Upper
 96 100
 61 129.9 0.0 301.0
 98 64.2 0.0 129.8

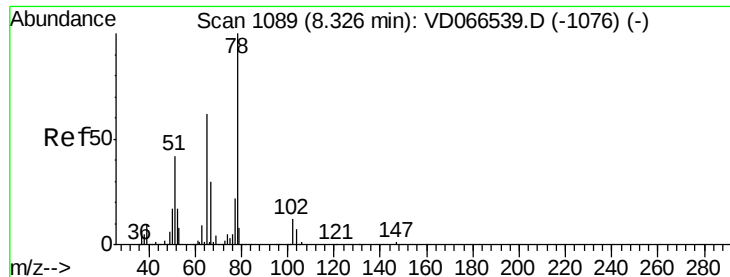


#30

Chloroform
 Concen: 1.264 ug/l
 RT: 7.71 min Scan# 985
 Delta R.T. 0.01 min
 Lab File: VD066653.D
 Acq: 11 Sep 2020 17:24

Tgt Ion: 83 Resp: 11395
 Ion Ratio Lower Upper
 83 100
 85 72.7 53.6 80.4





#33

1,2-Dichloroethane-d4

Concen: 48.561 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VD066653.D

Acq: 11 Sep 2020 17:24

Instrument :

MSVOA_D

ClientSampleId :

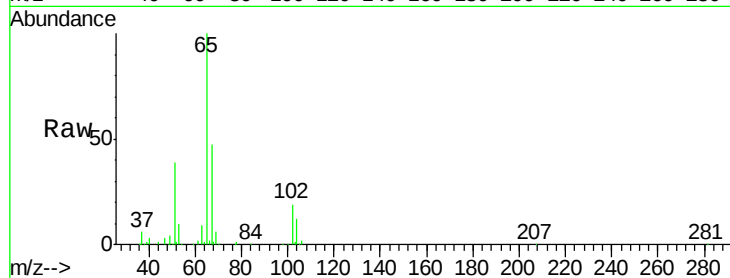
B18-0-2

Tot Ion: 65 Resp: 234485

Ion Ratio Lower Upper

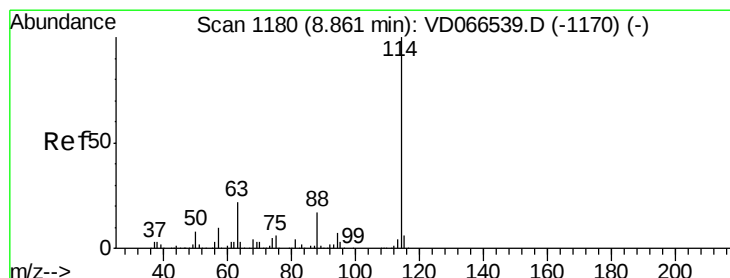
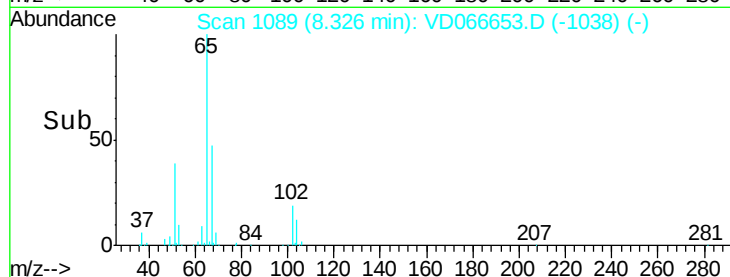
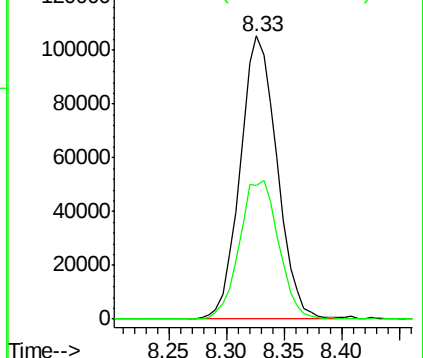
65 100

67 52.1 0.0 102.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD066653.D

Acq: 11 Sep 2020 17:24

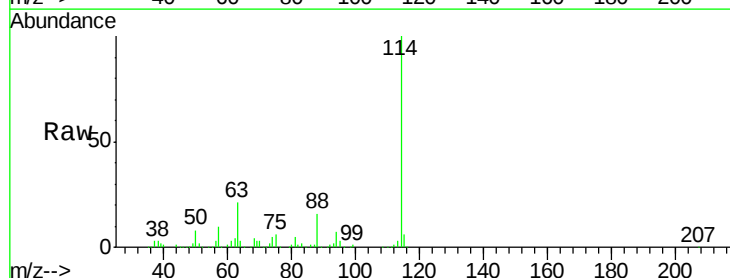
Tgt Ion: 114 Resp: 679375

Ion Ratio Lower Upper

114 100

63 21.1 0.0 43.2

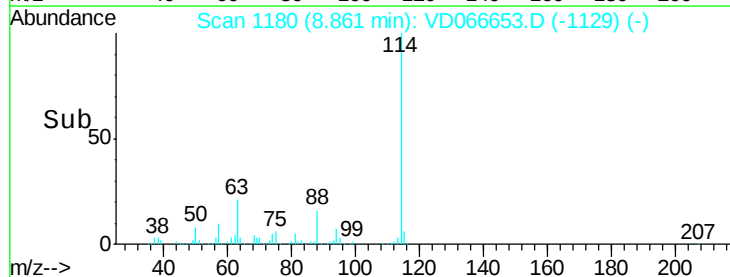
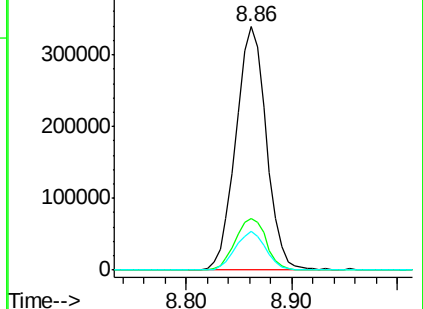
88 15.9 0.0 33.2

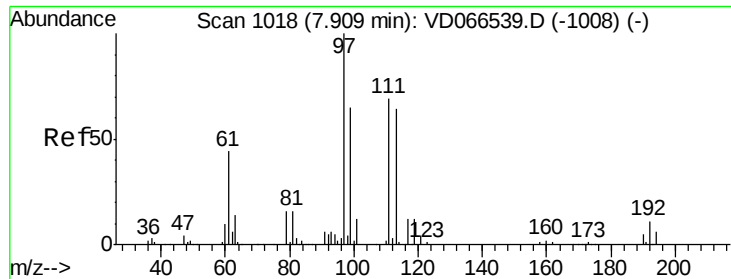


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

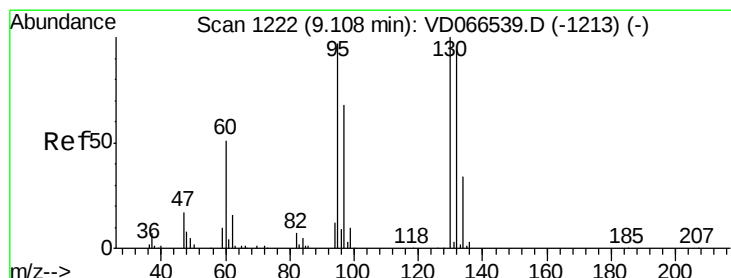
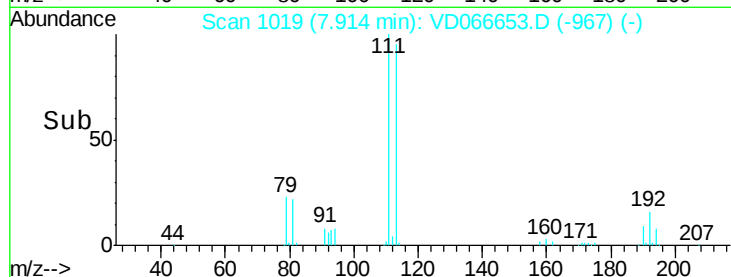
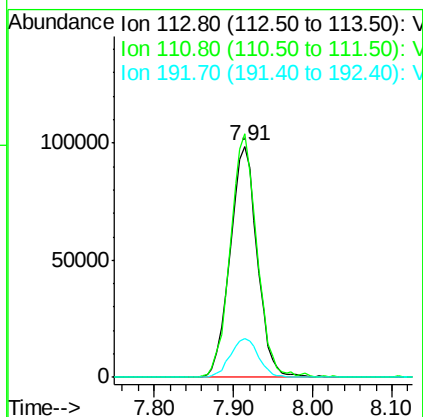
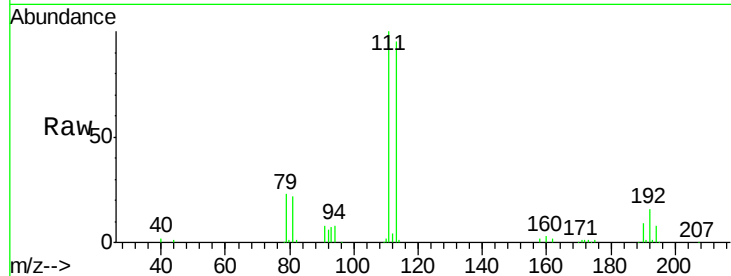




#35
 Dibromofluoromethane
 Concen: 50.983 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066653.D
 Acq: 11 Sep 2020 17:24

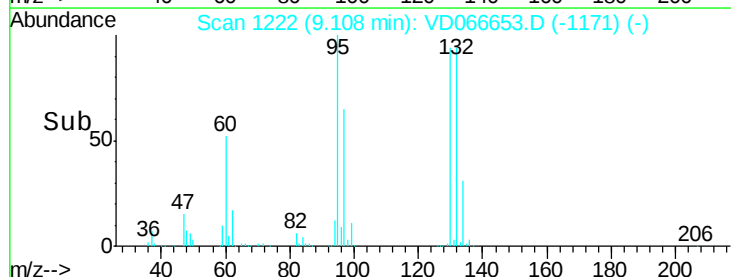
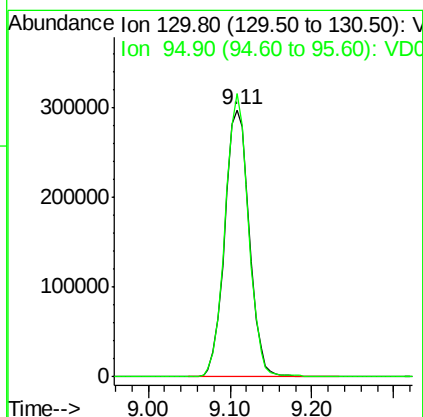
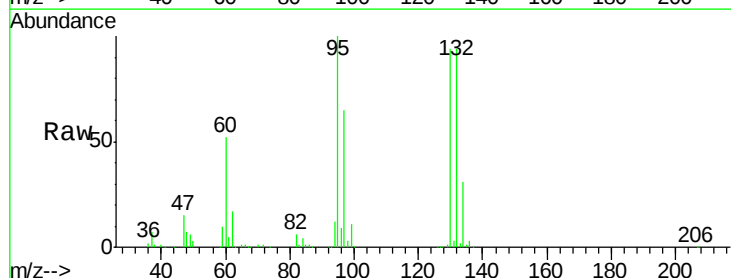
Instrument :
 MSVOA_D
 ClientSampleId :
 B18-0-2

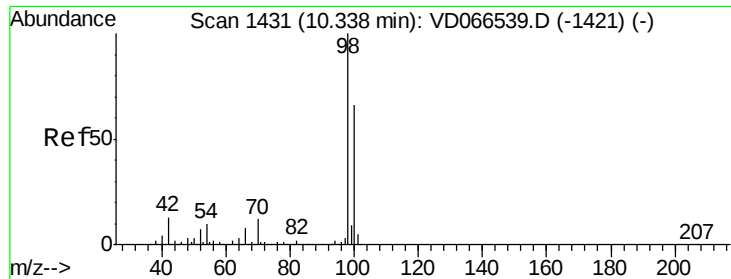
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	83.2	124.8
192	17.7	13.7	20.5



#44
 Trichloroethene
 Concen: 122.912 ug/l
 RT: 9.11 min Scan# 1222
 Delta R.T. -0.00 min
 Lab File: VD066653.D
 Acq: 11 Sep 2020 17:24

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.0	0.0	194.4





#50

Toluene-d8

Concen: 50.320 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066653.D

Acq: 11 Sep 2020 17:24

Instrument :

MSVOA_D

ClientSampleId :

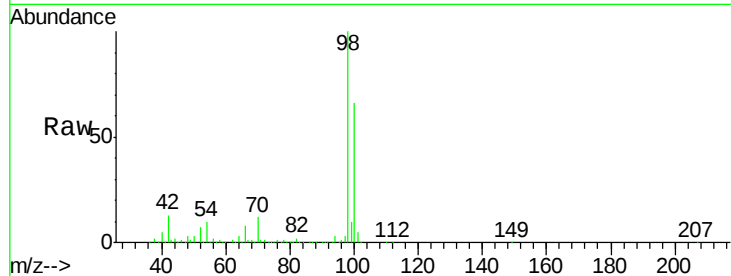
B18-0-2

Tot Ion: 98 Resp: 824281

Ion Ratio Lower Upper

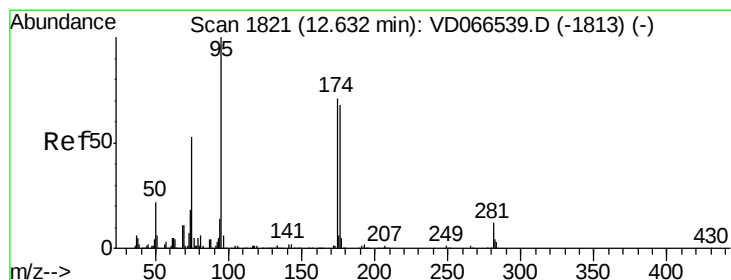
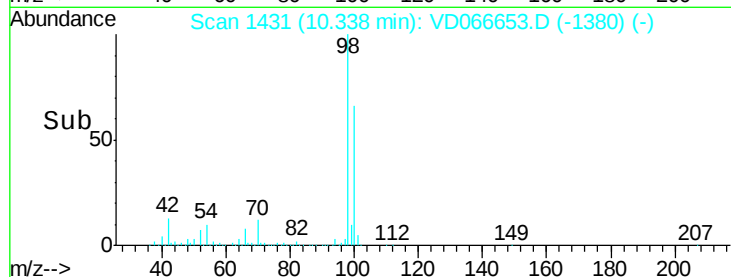
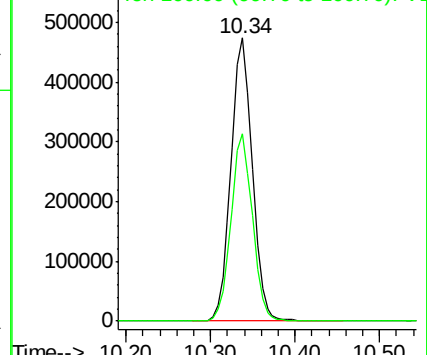
98 100

100 66.2 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#62

4-Bromofluorobenzene

Concen: 44.421 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066653.D

Acq: 11 Sep 2020 17:24

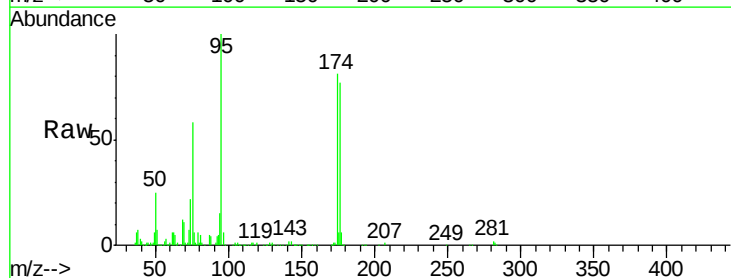
Tgt Ion: 95 Resp: 241283

Ion Ratio Lower Upper

95 100

174 77.0 0.0 155.8

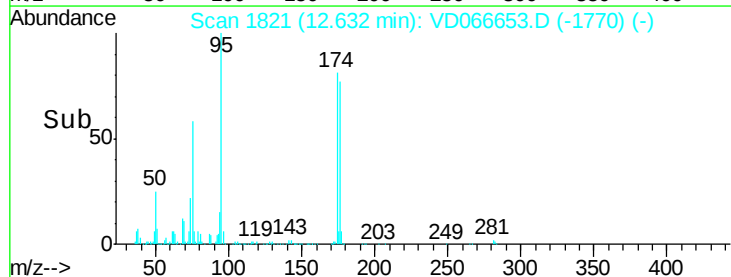
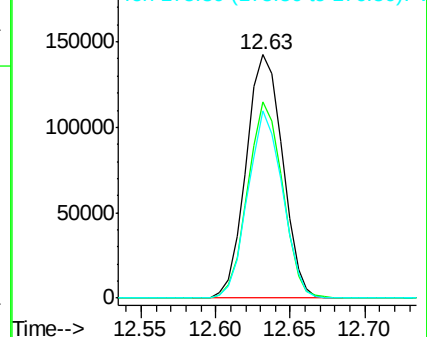
176 73.1 0.0 148.6

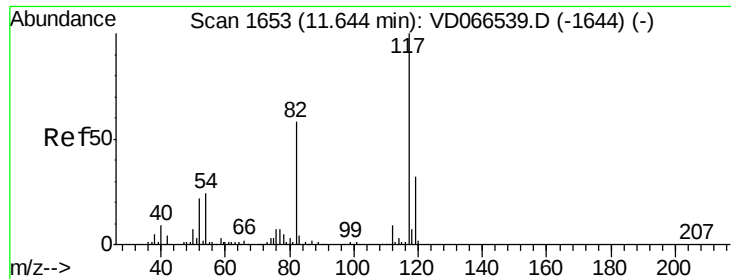


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

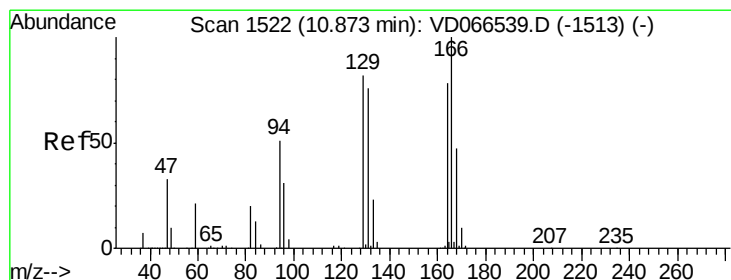
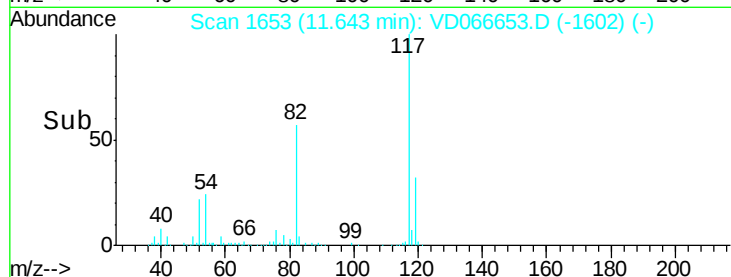
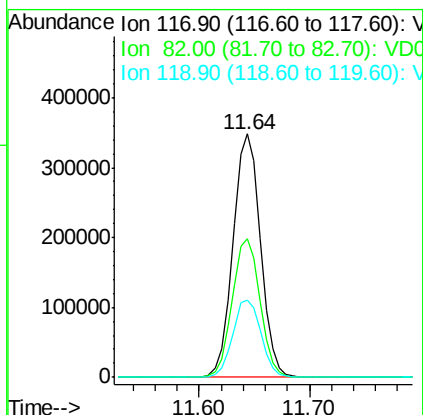
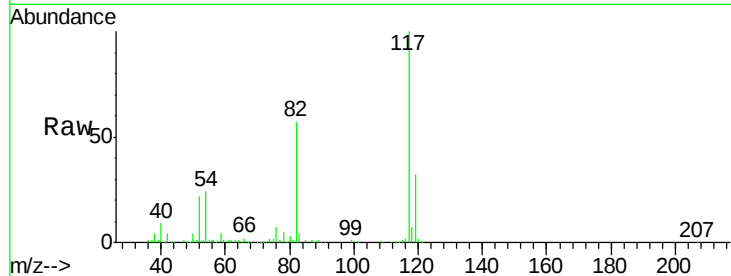




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066653.D
Acq: 11 Sep 2020 17:24

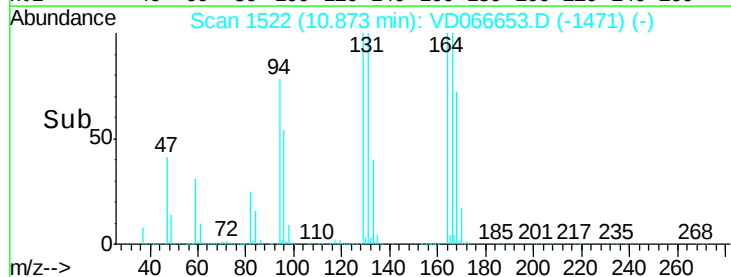
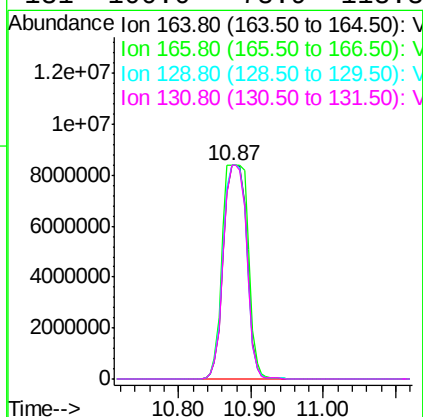
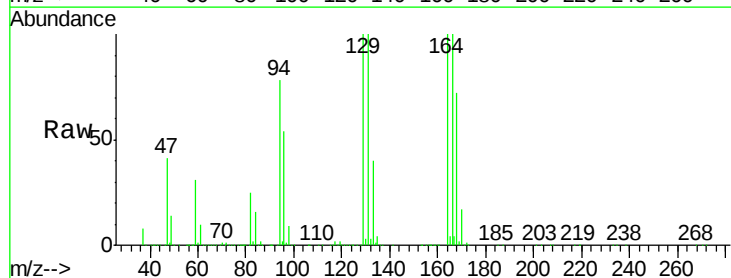
Instrument :
MSVOA_D
ClientSampleId :
B18-0-2

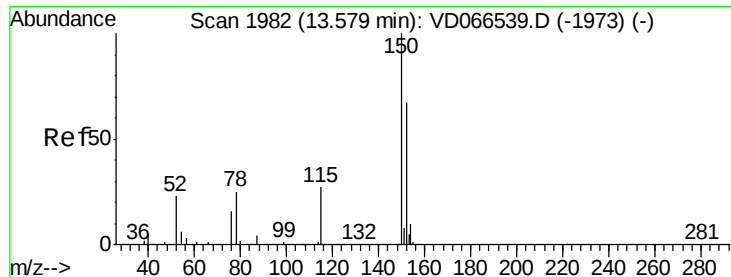
Tot Ion:117 Resp: 610749
Ion Ratio Lower Upper
117 100
82 56.8 46.2 69.2
119 31.7 25.8 38.8



#64
Tetrachloroethene
Concen: 4577.949 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD066653.D
Acq: 11 Sep 2020 17:24

Tgt Ion:164 Resp:18825422
Ion Ratio Lower Upper
164 100
166 100.0 103.2 154.8#
129 100.0 84.5 126.7
131 100.0 78.9 118.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD066653.D

Acq: 11 Sep 2020 17:24

Instrument :

MSVOA_D

ClientSampleId :

B18-0-2

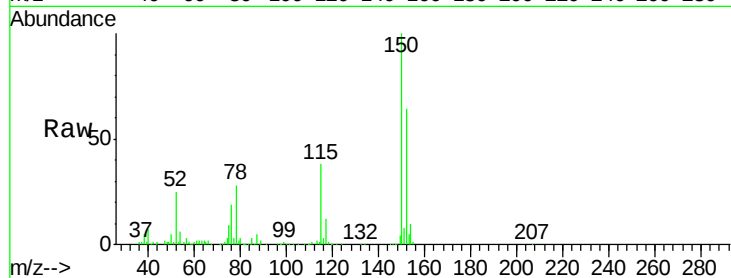
Tot Ion:152 Resp: 219800

Ion Ratio Lower Upper

152 100

115 61.7 30.4 91.2

150 156.9 0.0 345.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

