

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091420\
 Data File : VD066690.D
 Acq On : 15 Sep 2020 00:43
 Operator : VA/SY
 Sample : L3981-10
 Misc : 11.76G/5.00ml/MSVOA D/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B20-0-2

Quant Time: Sep 15 03:20:59 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

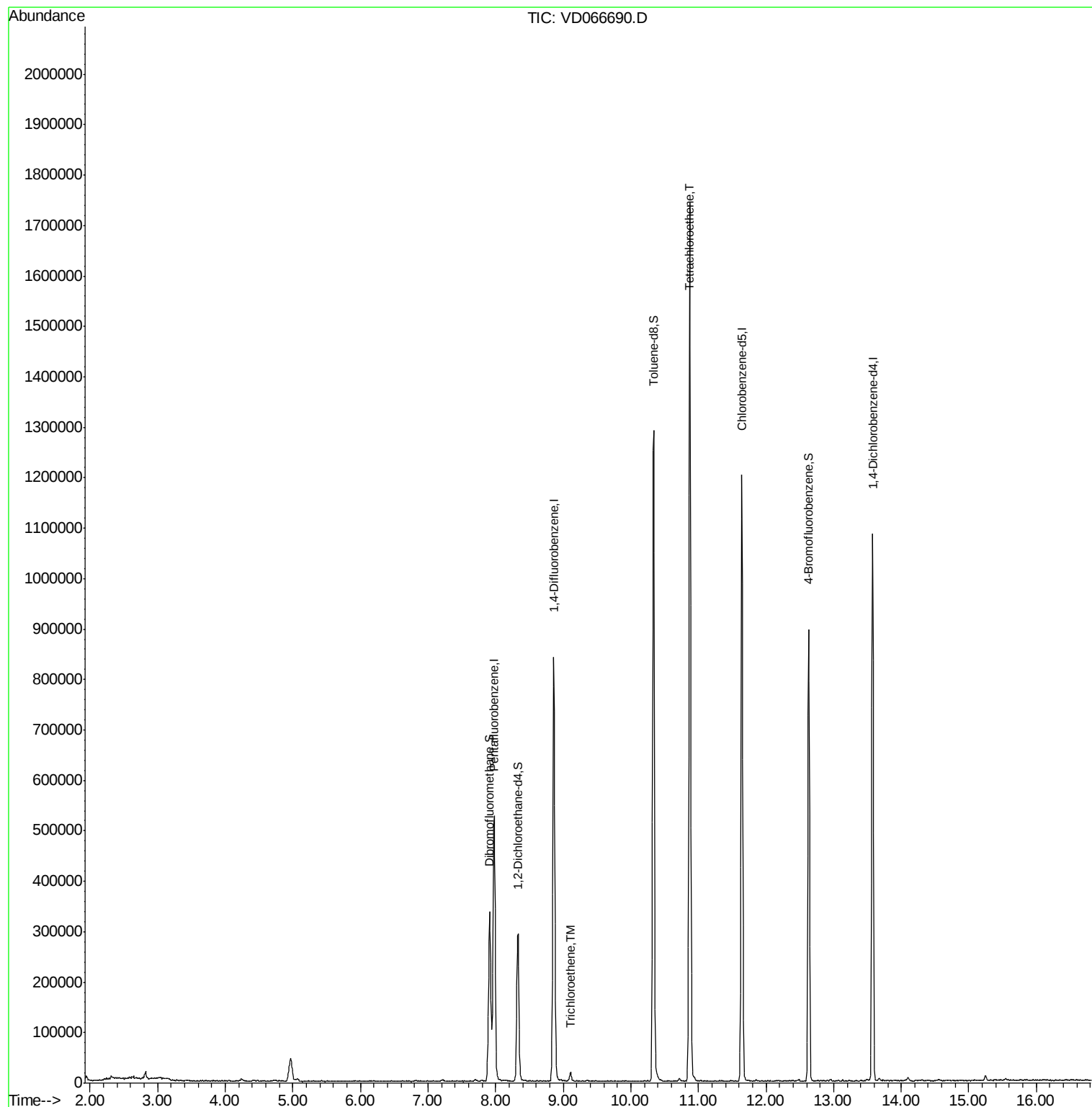
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	362707	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	682801	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	649583	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	272751	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	243135	55.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.80%	
35) Dibromofluoromethane	7.91	113	237977	51.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.32%	
50) Toluene-d8	10.34	98	851792	51.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.48%	
62) 4-Bromofluorobenzene	12.63	95	276037	50.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.12%	
Target Compounds						
44) Trichloroethene	9.11	130	5776	1.131	ug/l	90
64) Tetrachloroethene	10.87	164	367482	84.022	ug/l	97

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066690.D

Acq: 15 Sep 2020 00:43

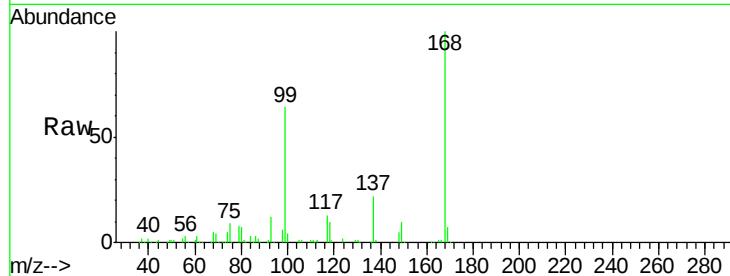
Instrument :
MSVOA_D
ClientSampled :
B20-0-2

Tot Ion:168 Resp: 362707

Ion Ratio Lower Upper

168 100

99 63.9 50.5 75.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

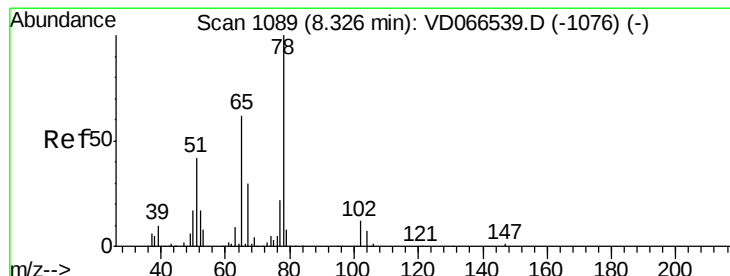
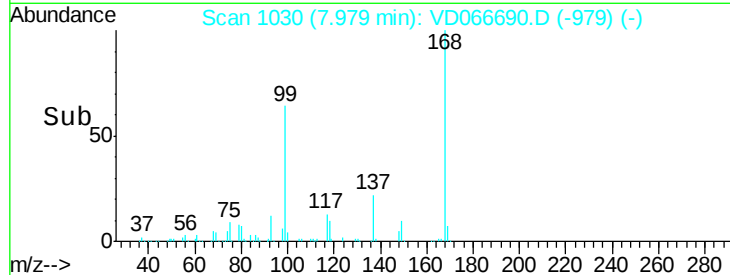
150000

100000

50000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 55.404 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.01 min

Lab File: VD066690.D

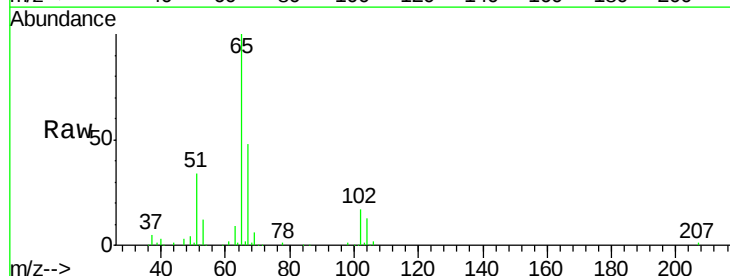
Acq: 15 Sep 2020 00:43

Tgt Ion: 65 Resp: 243135

Ion Ratio Lower Upper

65 100

67 50.3 0.0 102.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

120000

100000

80000

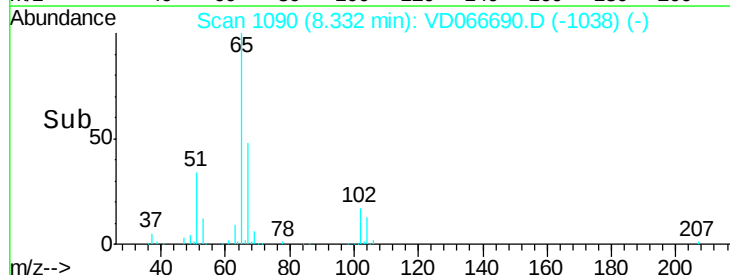
60000

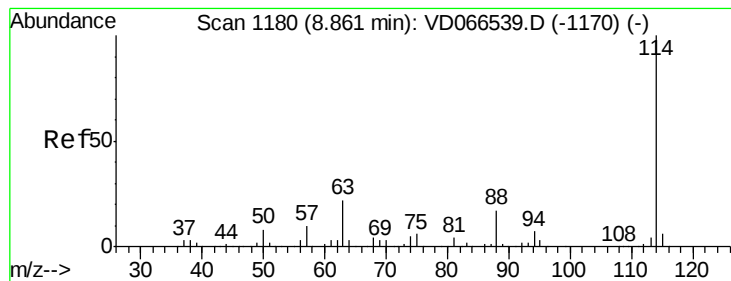
40000

20000

0

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066690.D

Acq: 15 Sep 2020 00:43

Instrument :

MSVOA_D

ClientSampleId :

B20-0-2

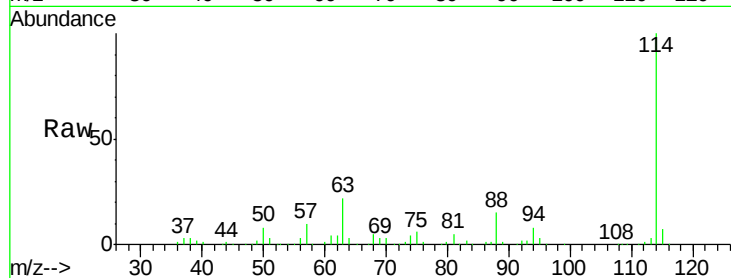
Tot Ion:114 Resp: 682801

Ion Ratio Lower Upper

114 100

63 21.9 0.0 43.2

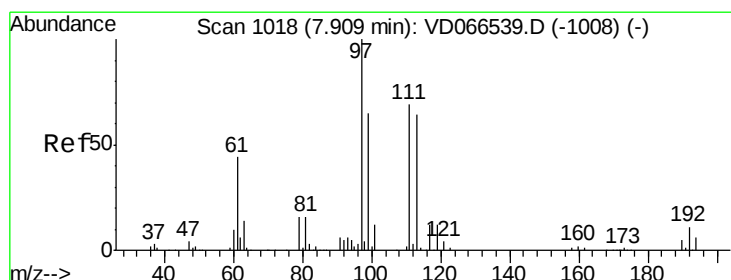
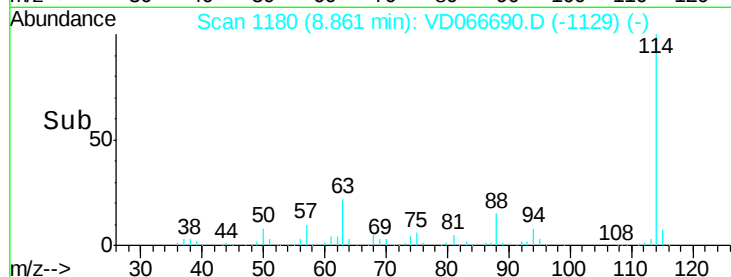
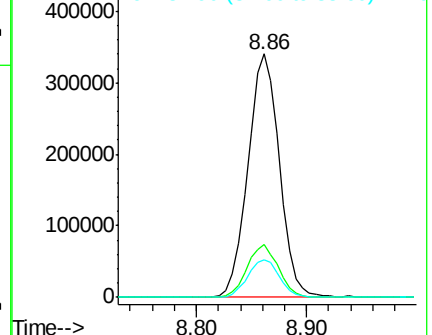
88 15.2 0.0 33.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 51.664 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD066690.D

Acq: 15 Sep 2020 00:43

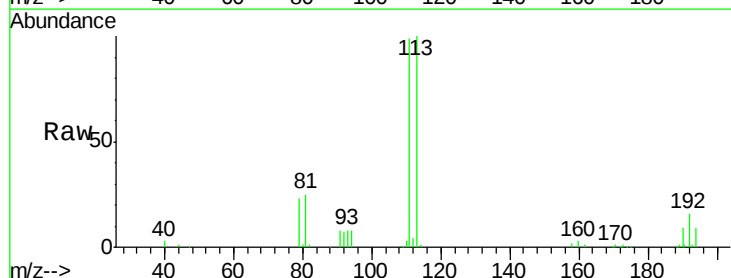
Tgt Ion:113 Resp: 237977

Ion Ratio Lower Upper

113 100

111 102.6 83.2 124.8

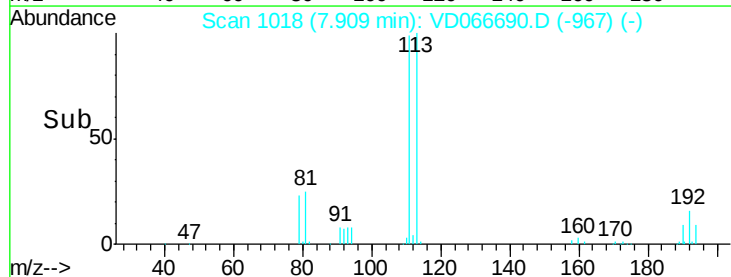
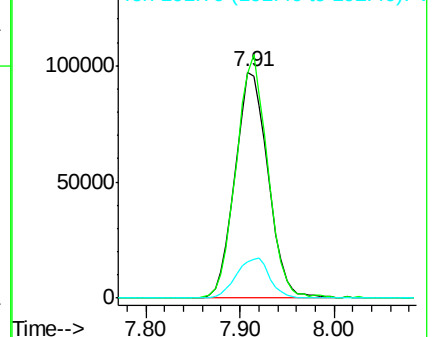
192 17.8 13.7 20.5

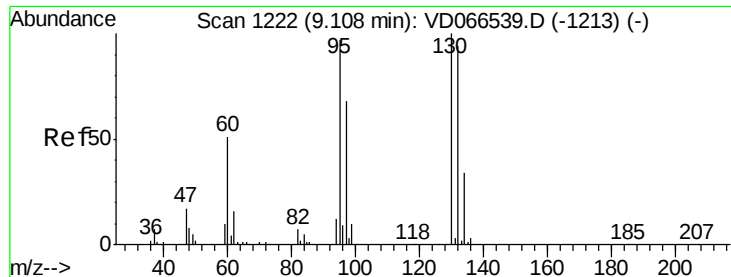


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#44

Trichloroethene

Concen: 1.131 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. 0.00 min

Lab File: VD066690.D

Acq: 15 Sep 2020 00:43

Instrument :

MSVOA_D

ClientSampleId :

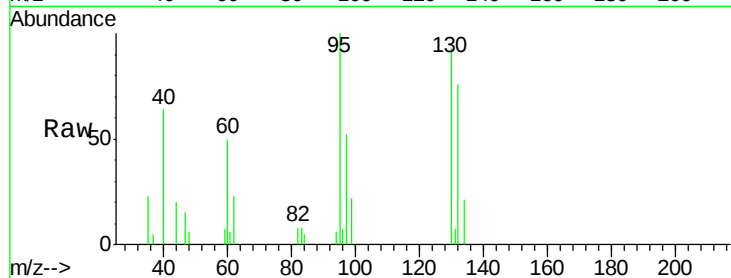
B20-0-2

Tot Ion:130 Resp: 5776

Ion Ratio Lower Upper

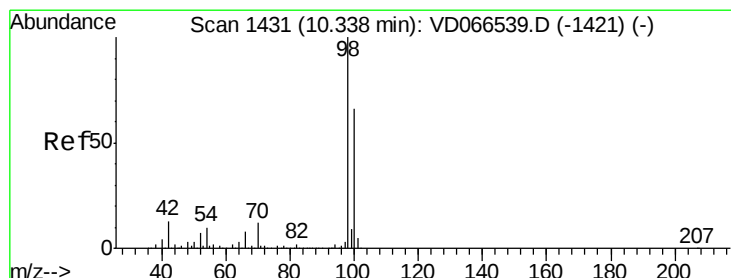
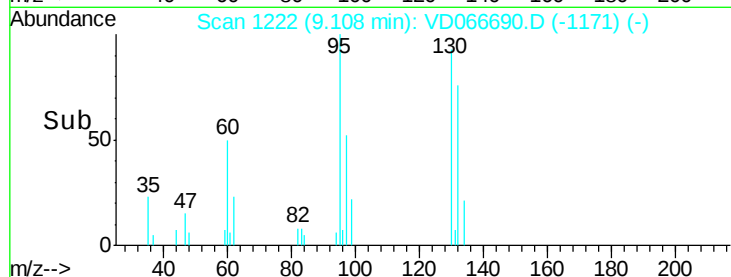
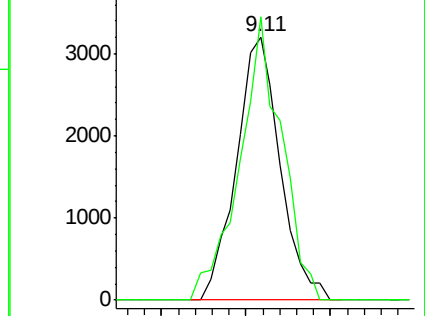
130 100

95 107.5 0.0 194.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC



#50

Toluene-d8

Concen: 51.739 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066690.D

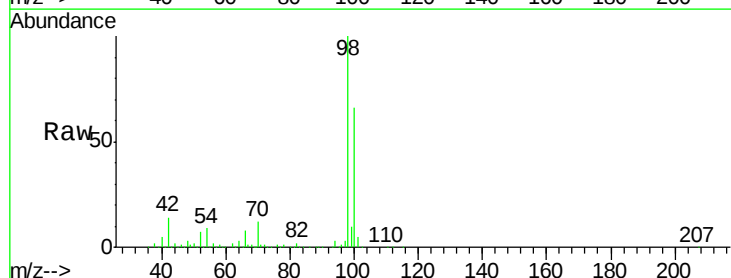
Acq: 15 Sep 2020 00:43

Tgt Ion: 98 Resp: 851792

Ion Ratio Lower Upper

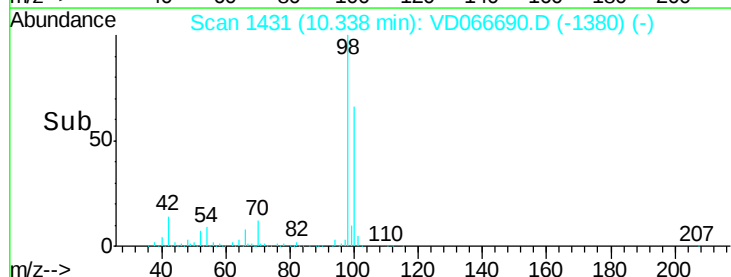
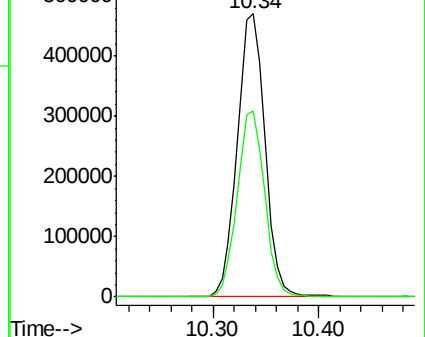
98 100

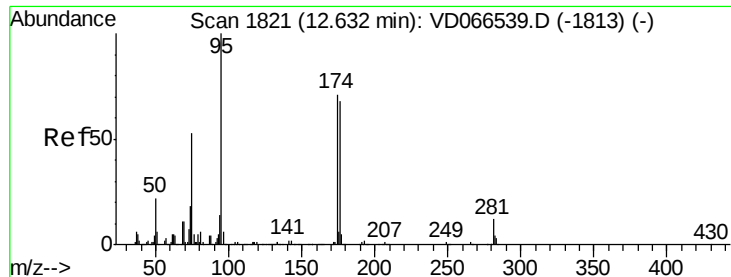
100 65.2 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

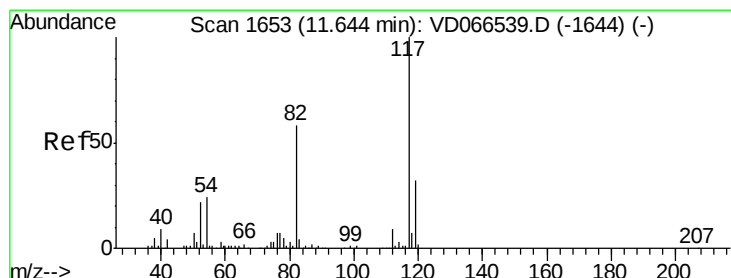
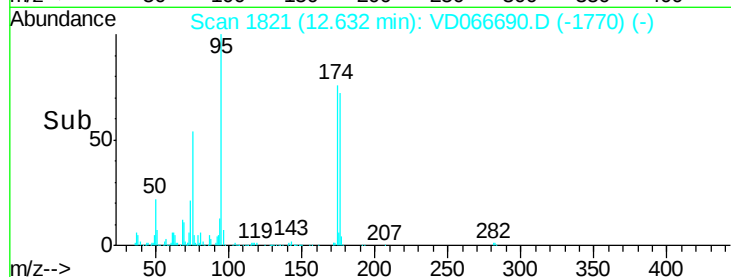
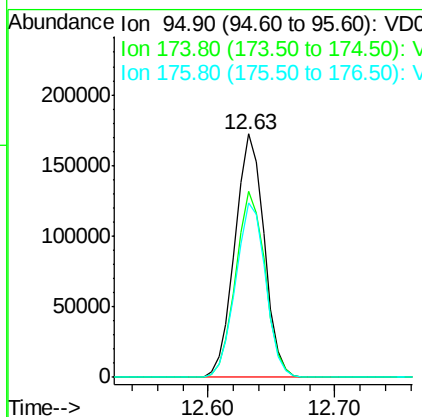
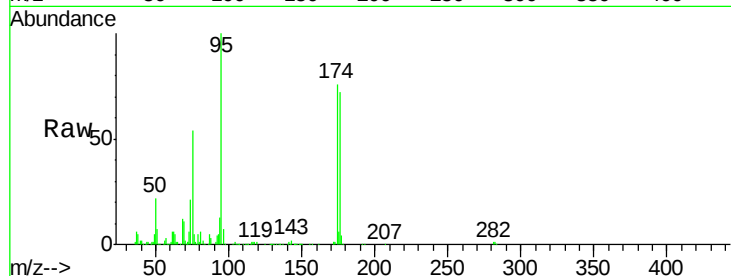




#62
4-Bromofluorobenzene
Concen: 50.565 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VD066690.D
Acq: 15 Sep 2020 00:43

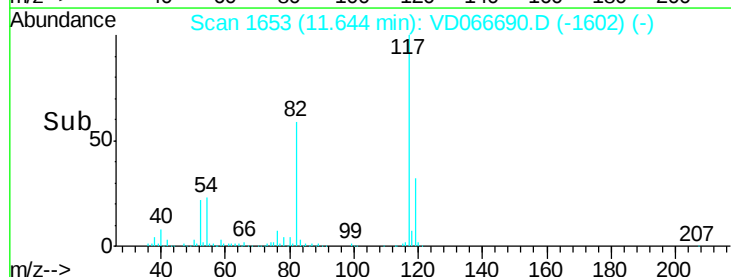
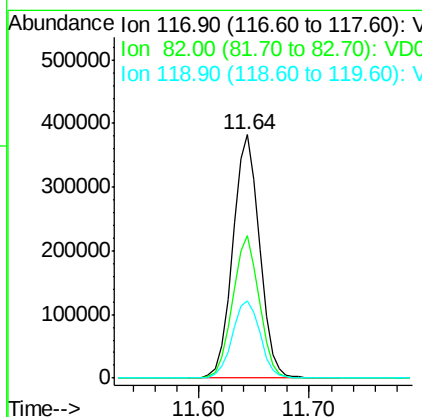
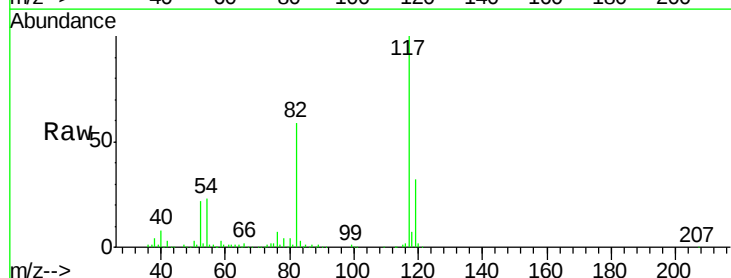
Instrument :
MSVOA_D
ClientSampleId :
B20-0-2

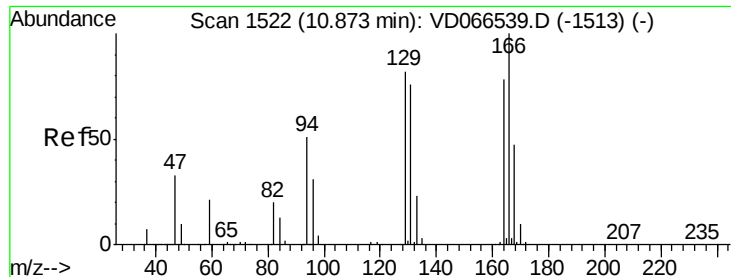
Tot Ion: 95 Resp: 276037
Ion Ratio Lower Upper
95 100
174 76.6 0.0 155.8
176 73.1 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066690.D
Acq: 15 Sep 2020 00:43

Tgt Ion: 117 Resp: 649583
Ion Ratio Lower Upper
117 100
82 58.5 46.2 69.2
119 32.0 25.8 38.8





#64

Tetrachloroethene

Concen: 84.022 ug/l

RT: 10.87 min Scan# 1522

Delta R.T. 0.00 min

Lab File: VD066690.D

Acq: 15 Sep 2020 00:43

Instrument :

MSVOA_D

ClientSampled :

B20-0-2

Tot Ion:164 Resp: 367482

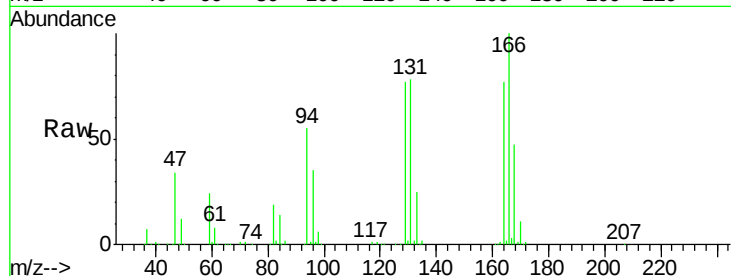
Ion Ratio Lower Upper

164 100

166 130.1 103.2 154.8

129 100.6 84.5 126.7

131 101.9 78.9 118.3

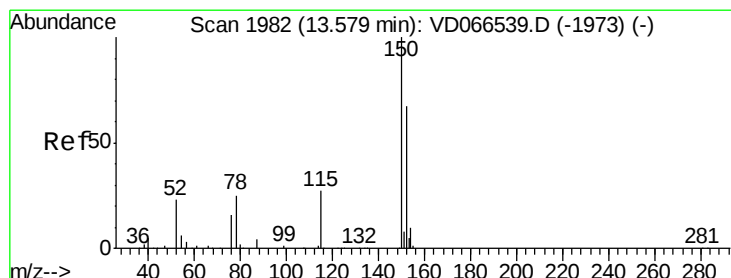
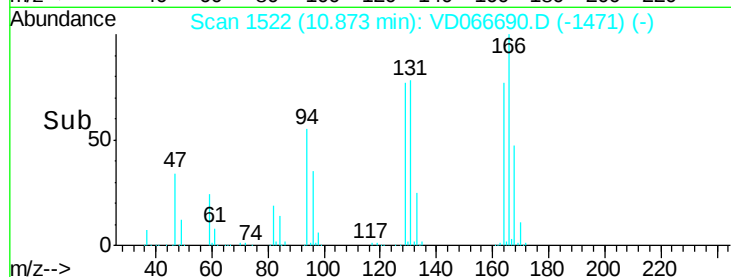
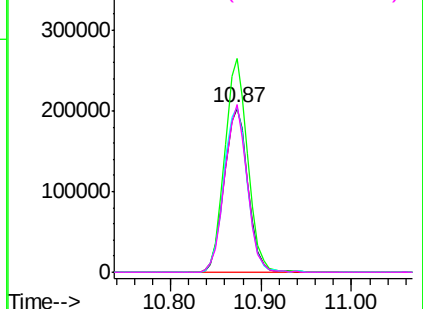


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066690.D

Acq: 15 Sep 2020 00:43

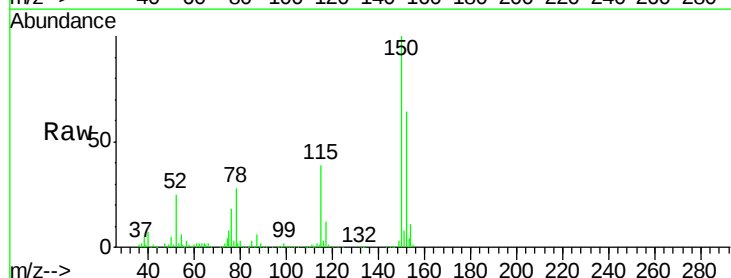
Tgt Ion:152 Resp: 272751

Ion Ratio Lower Upper

152 100

115 61.3 30.4 91.2

150 158.5 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

