

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091420\
 Data File : VD066676.D
 Acq On : 14 Sep 2020 16:32
 Operator : VA/SY
 Sample : L3928-02
 Misc : 6.96G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-1-12.5-13.0

Quant Time: Sep 15 02:34:35 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

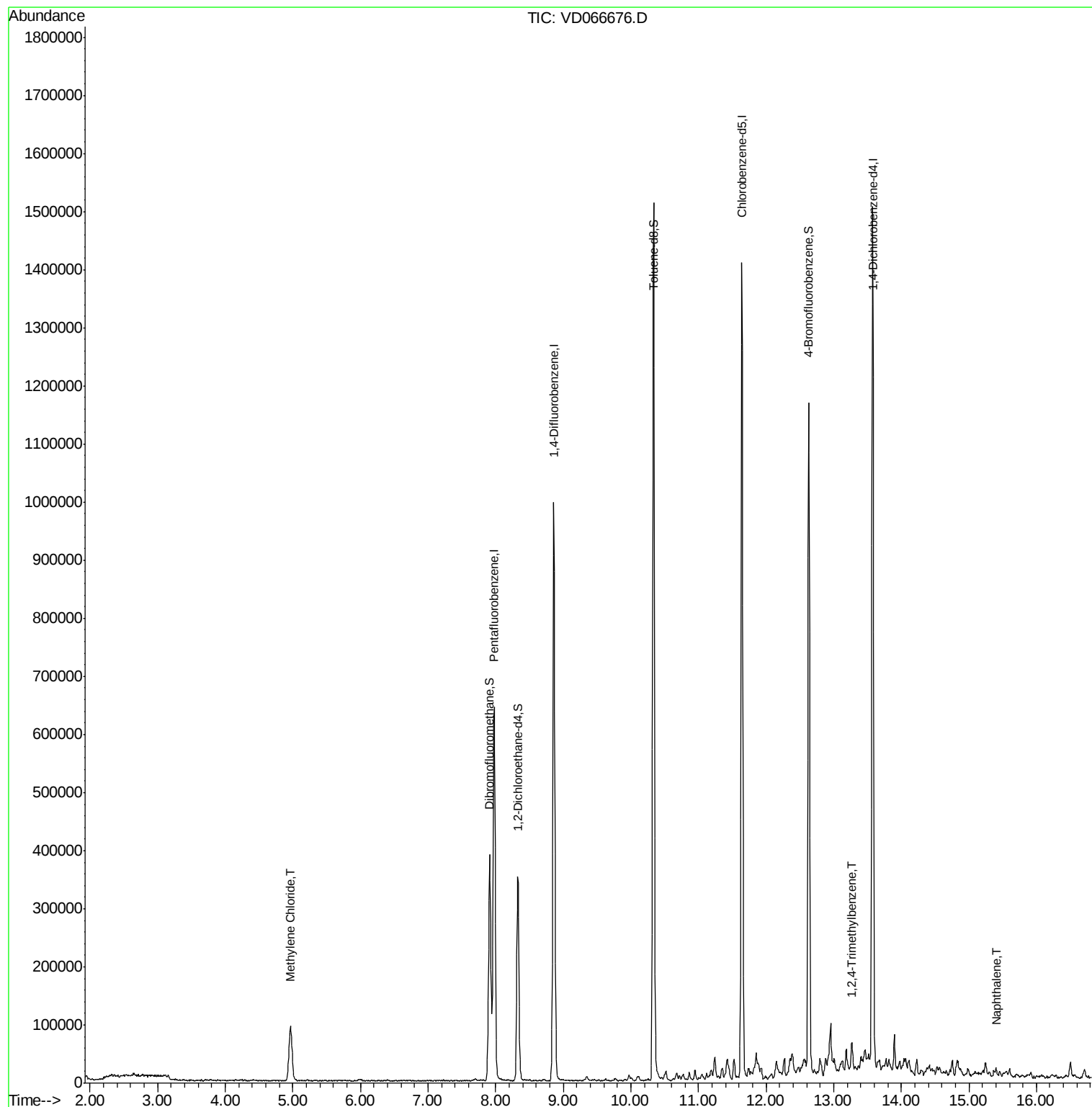
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	436663	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	794155	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	766942	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	358023	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	286743	54.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.54%	
35) Dibromofluoromethane	7.91	113	272122	50.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.58%	
50) Toluene-d8	10.34	98	972712	50.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.60%	
62) 4-Bromofluorobenzene	12.63	95	369771	58.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.48%	
Target Compounds						
20) Methylene Chloride	4.97	84	73428	8.347	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	25874	1.165	ug/l	96
95) Naphthalene	15.41	128	10873	1.011	ug/l #	91

(#) = 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: VD066676.D

Acq: 14 Sep 2020 16:32

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ClientSampleId :

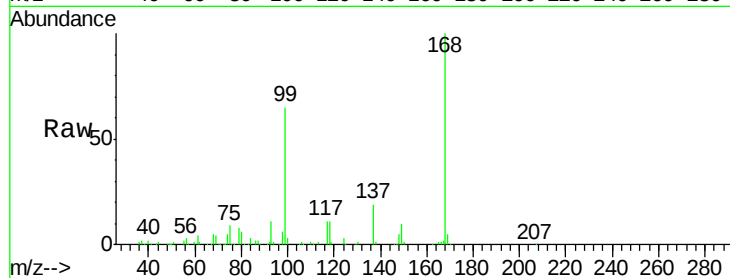
SB-1-12.5-13.0

Tot Ion:168 Resp: 436663

Ion Ratio Lower Upper

168 100

99 65.4 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

200000

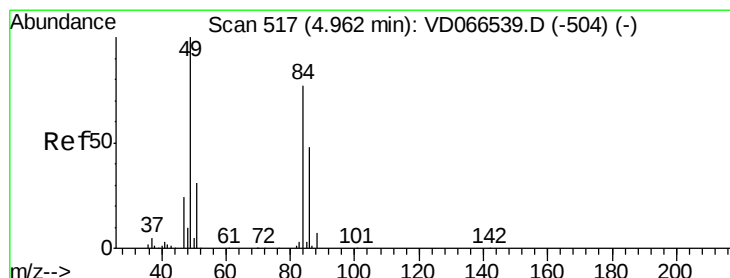
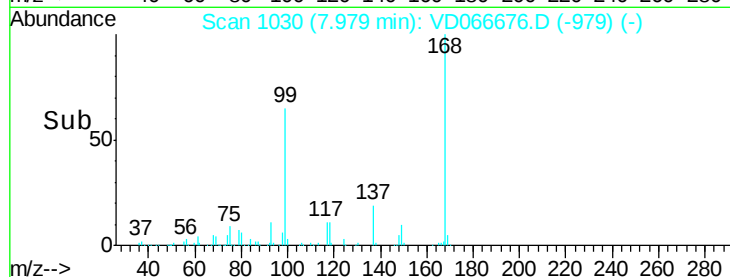
150000

100000

50000

0

Time--> 7.85 7.90 7.95 8.00 8.05



#20

Methylene Chloride

Concen: 8.347 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD066676.D

Acq: 14 Sep 2020 16:32

Tgt Ion: 84 Resp: 73428

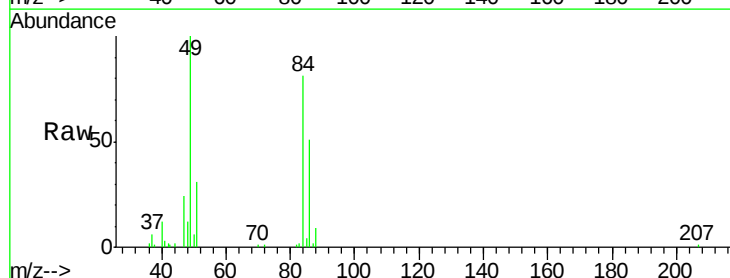
Ion Ratio Lower Upper

84 100

49 123.6 104.3 156.5

51 38.5 32.2 48.4

86 62.5 50.0 75.0



Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

4.97

40000

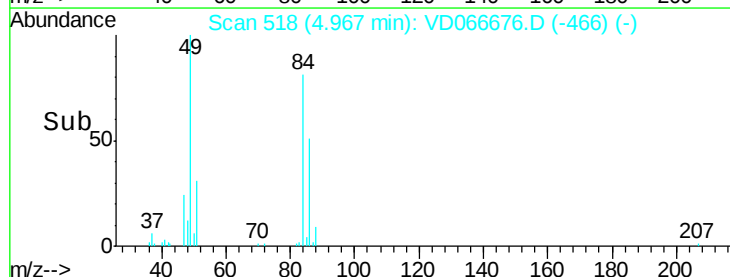
30000

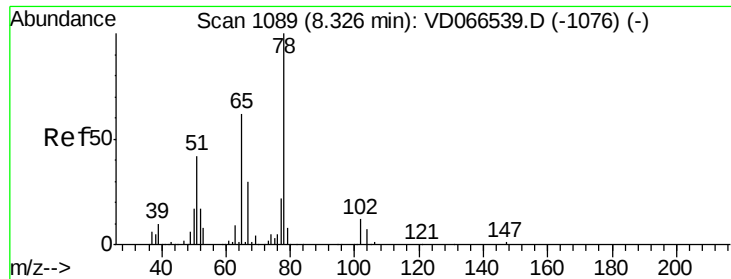
20000

10000

0

Time--> 4.80 4.90 4.95 5.00 5.10

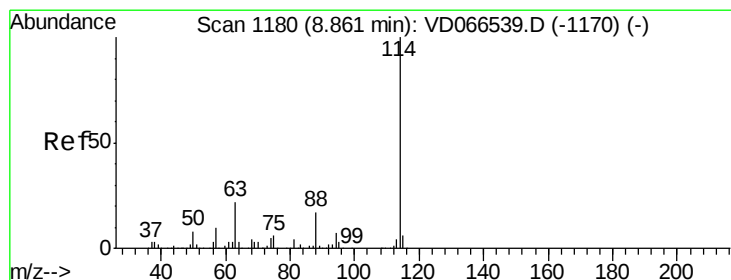
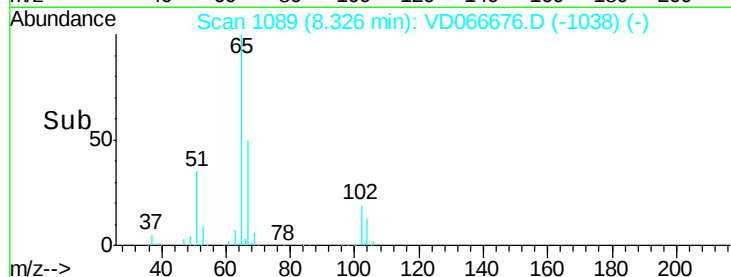
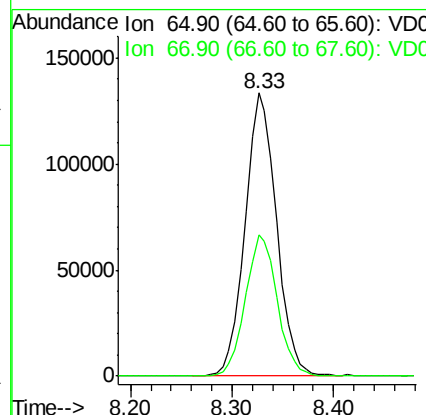
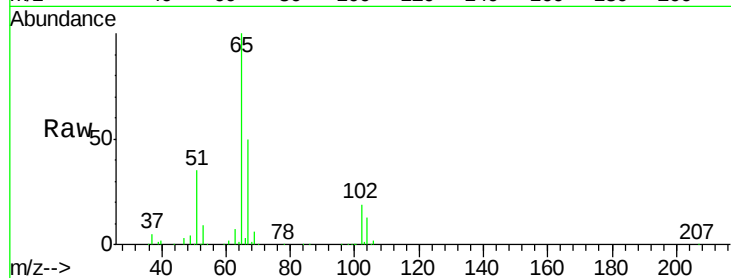




#33
 1,2-Dichloroethane-d4
 Concen: 54.274 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.00 min
 Lab File: VD066676.D
 Acq: 14 Sep 2020 16:32

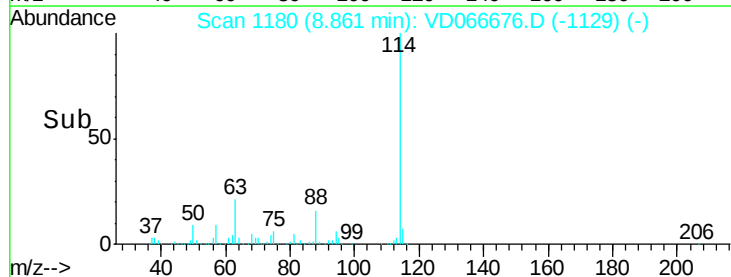
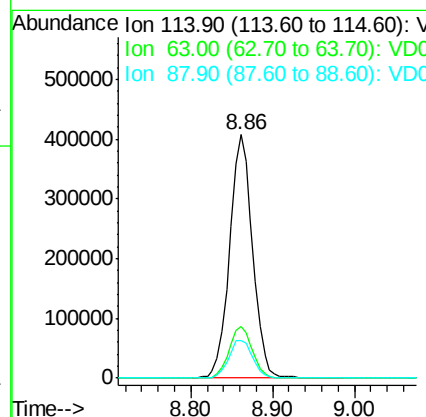
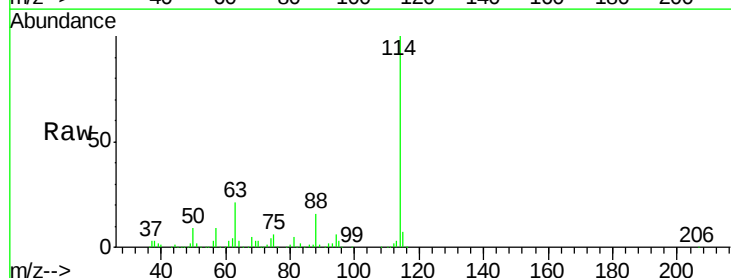
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-1-12.5-13.0

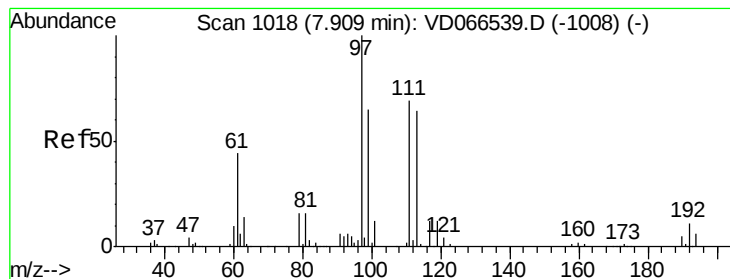
Tot Ion: 65 Resp: 286743
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066676.D
 Acq: 14 Sep 2020 16:32

Tgt Ion: 114 Resp: 794155
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 43.2
 88 15.6 0.0 33.2





#35

Dibromofluoromethane

Concen: 50.793 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066676.D

Acq: 14 Sep 2020 16:32

Instrument :

MSVOA_D

ClientSampleId :

SB-1-12.5-13.0

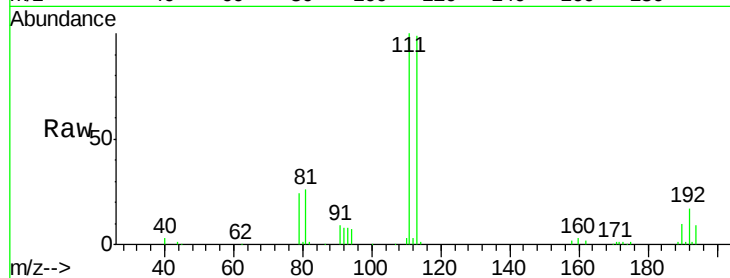
Tot Ion:113 Resp: 272122

Ion Ratio Lower Upper

113 100

111 100.9 83.2 124.8

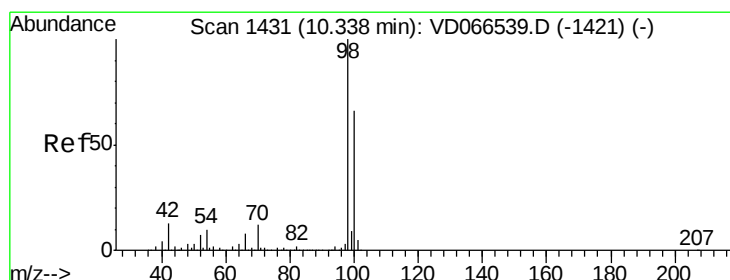
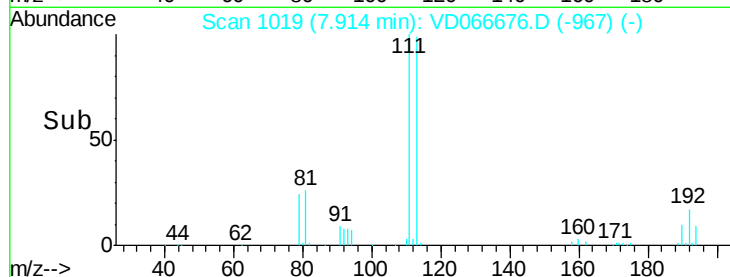
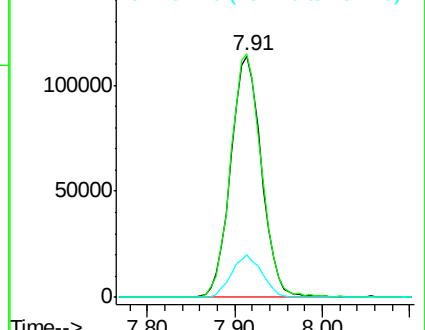
192 17.3 13.7 20.5



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



#50

Toluene-d8

Concen: 50.799 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066676.D

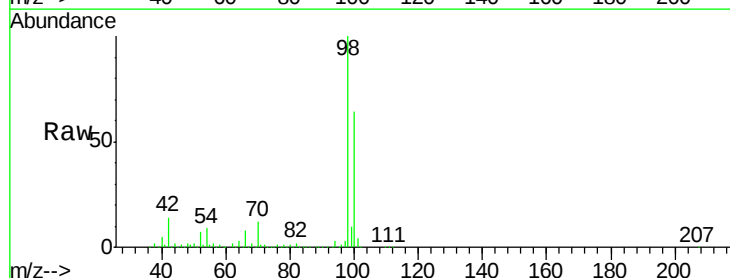
Acq: 14 Sep 2020 16:32

Tgt Ion: 98 Resp: 972712

Ion Ratio Lower Upper

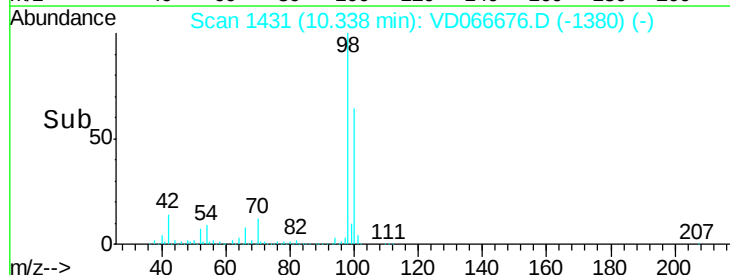
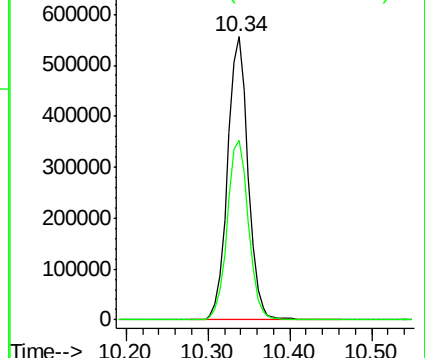
98 100

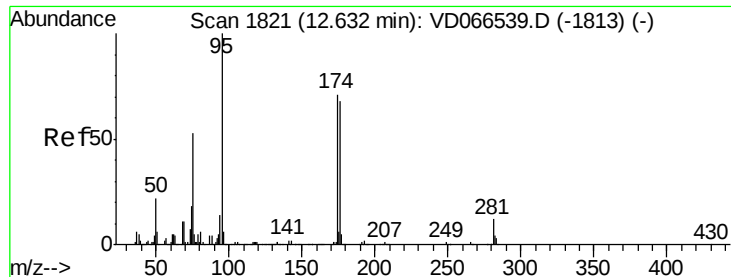
100 65.8 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

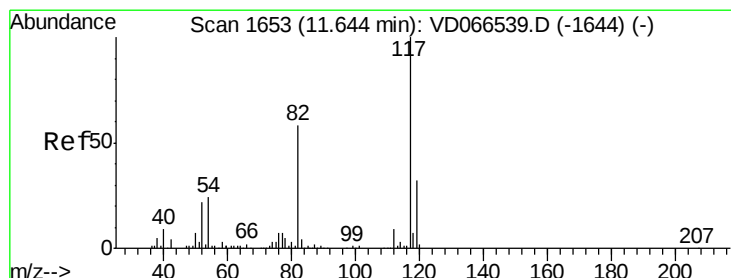
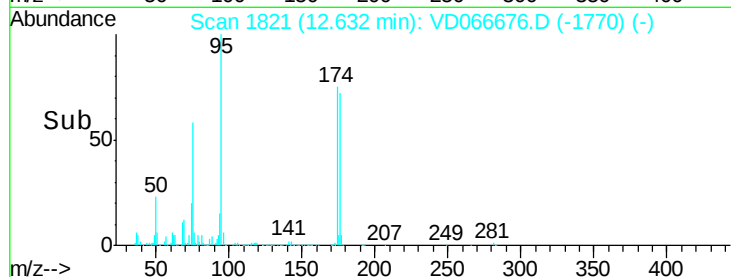
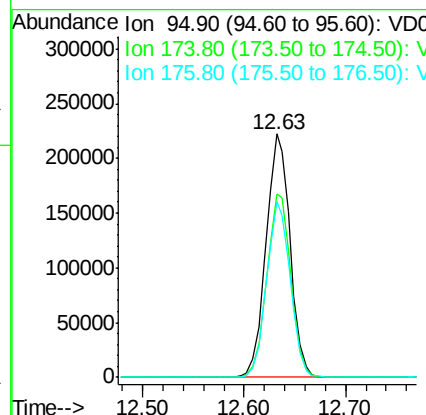
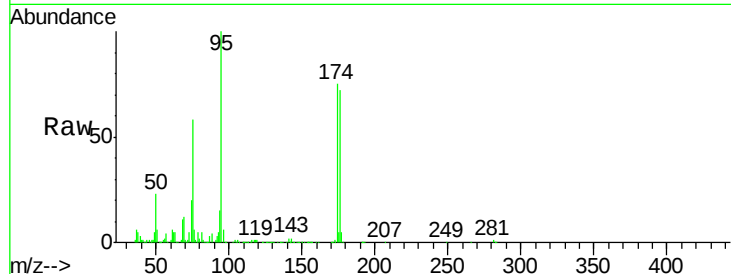




#62
4-Bromofluorobenzene
Concen: 58.238 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD066676.D
Acq: 14 Sep 2020 16:32

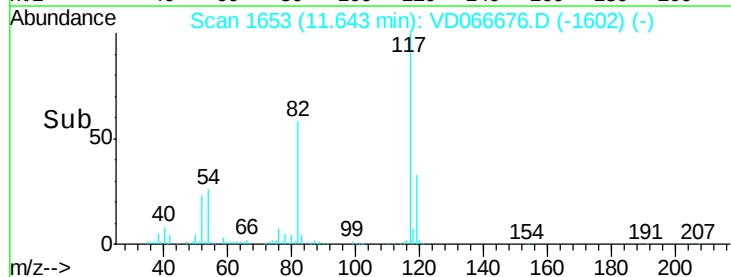
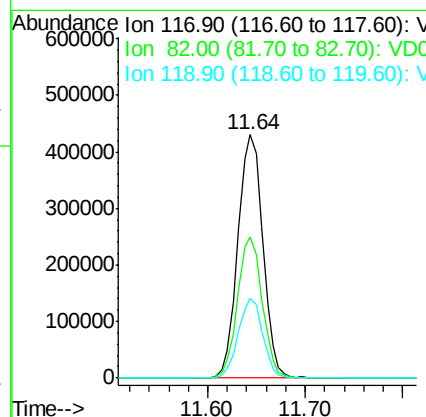
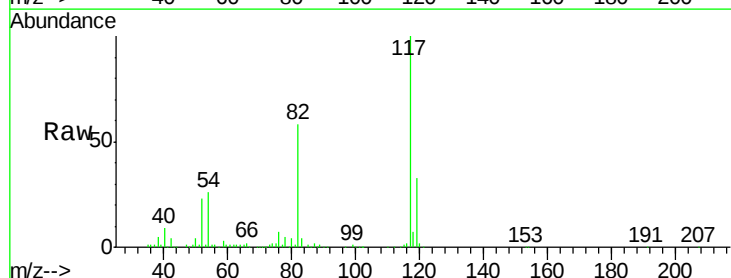
Instrument :
MSVOA_D
ClientSampleId :
SB-1-12.5-13.0

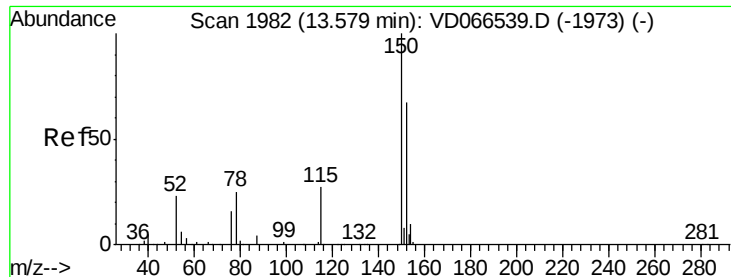
Tot Ion: 95 Resp: 369771
Ion Ratio Lower Upper
95 100
174 75.3 0.0 155.8
176 70.6 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066676.D
Acq: 14 Sep 2020 16:32

Tgt Ion: 117 Resp: 766942
Ion Ratio Lower Upper
117 100
82 57.6 46.2 69.2
119 32.5 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD066676.D

Acq: 14 Sep 2020 16:32

Instrument :

MSVOA_D

ClientSampleId :

SB-1-12.5-13.0

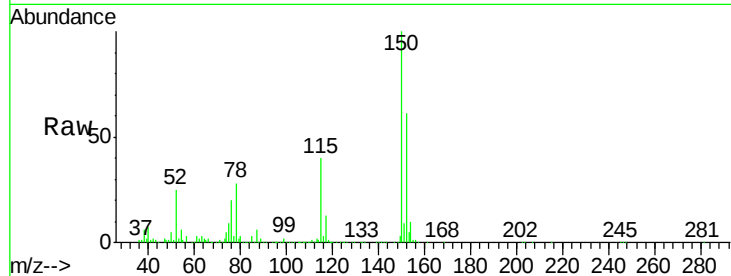
Tot Ion:152 Resp: 358023

Ion Ratio Lower Upper

152 100

115 63.4 30.4 91.2

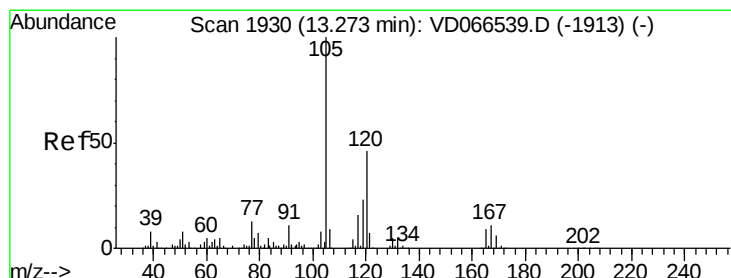
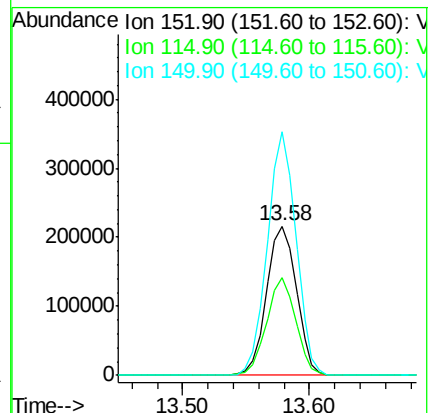
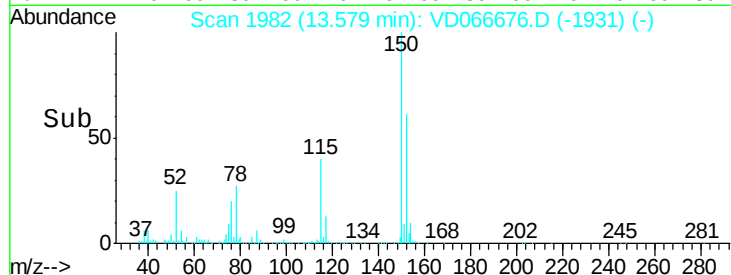
150 156.1 0.0 345.8



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



#84

1,2,4-Trimethylbenzene

Concen: 1.165 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. -0.00 min

Lab File: VD066676.D

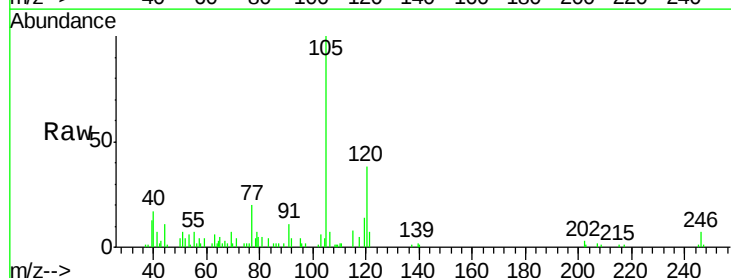
Acq: 14 Sep 2020 16:32

Tgt Ion:105 Resp: 25874

Ion Ratio Lower Upper

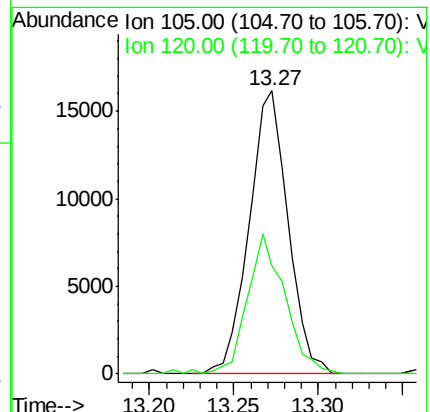
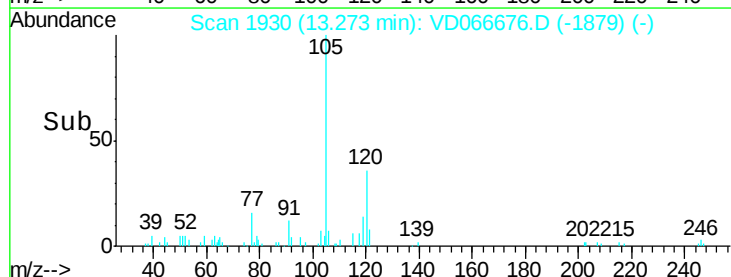
105 100

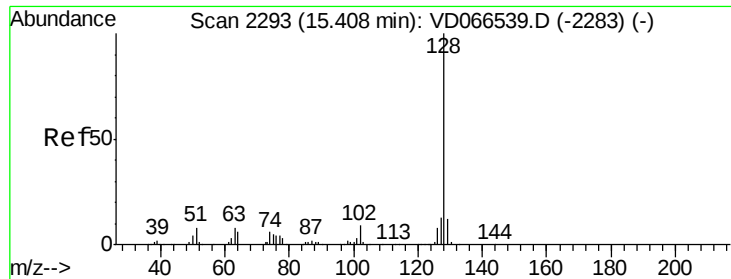
120 47.5 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95

Naphthalene

Concen: 1.011 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VD066676.D

Acq: 14 Sep 2020 16:32

Instrument :

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ClientSampleId :

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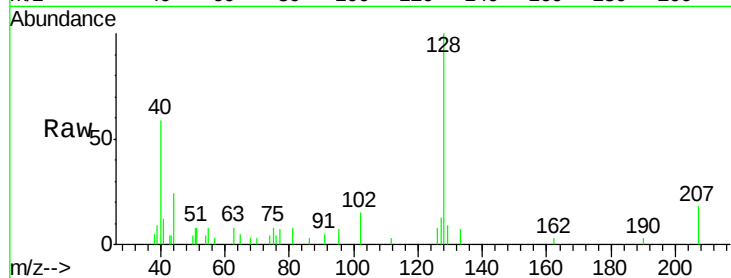
Tot Ion:128 Resp: 10873

Ion Ratio Lower Upper

128 100

127 17.7 10.7 16.1#

129 13.8 9.1 13.7#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

