

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081919\
 Data File : VD063671.D
 Acq On : 19 Aug 2019 21:23
 Operator : JC/SY
 Sample : K4408-02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-1A

Quant Time: Aug 20 09:00:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

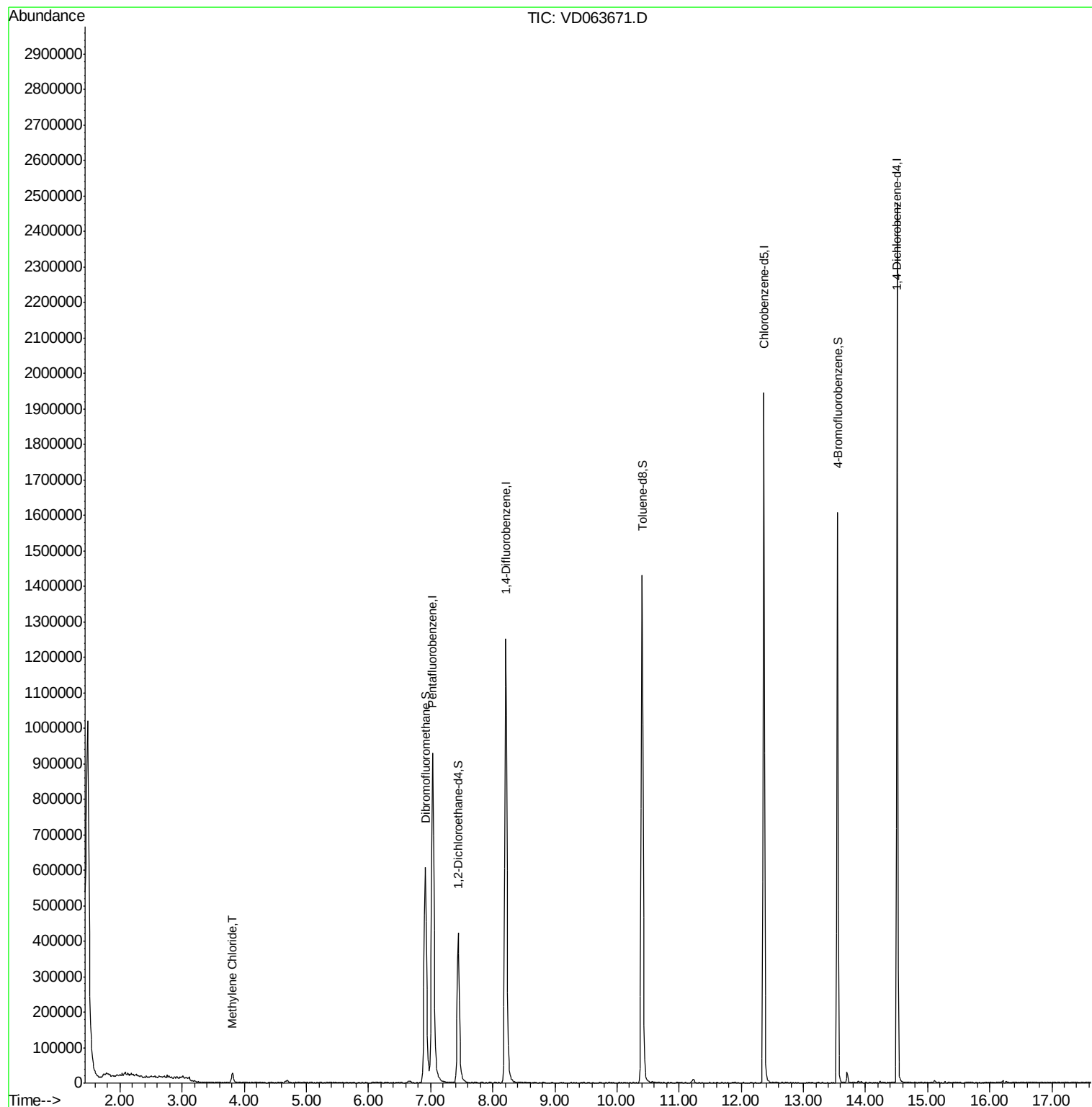
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	950063	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.21	114	1394927	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	1104634	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	538965	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	473619	46.64	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	93.28%	
35) Dibromofluoromethane	6.91	113	572958	48.77	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	97.54%	
50) Toluene-d8	10.41	98	1237324	47.90	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	95.80%	
62) 4-Bromofluorobenzene	13.55	95	490865	41.93	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	83.86%	
Target Compounds						
20) Methylene Chloride	3.81	84	13760	1.541	ug/l #	Qvalue 87

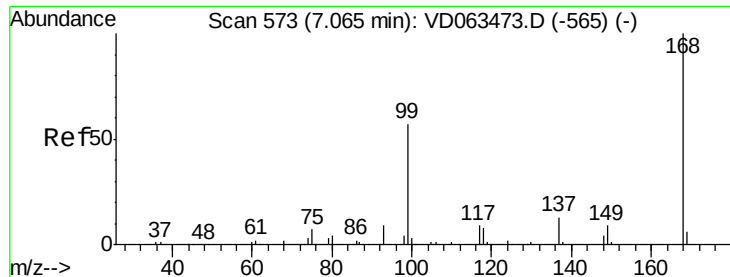
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.03 min

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MSVOA_D

ClientSampleId :

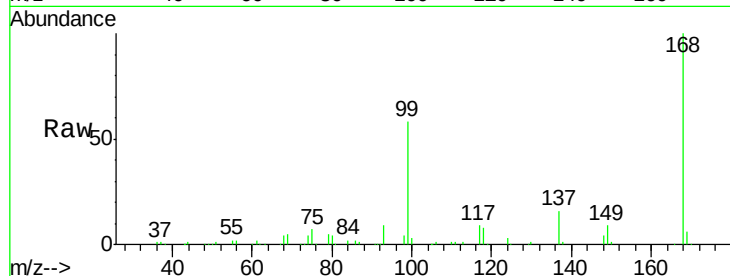
SP-1A

Tot Ion:168 Resp: 950063

Ion Ratio Lower Upper

168 100

99 57.6 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

300000

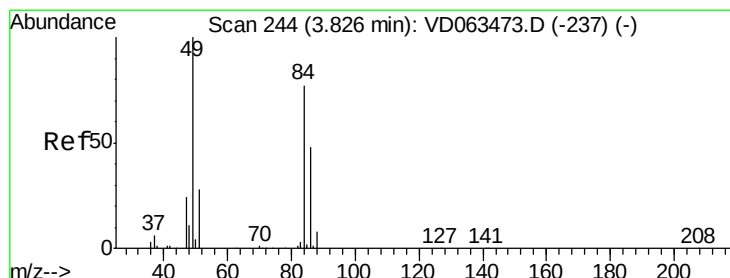
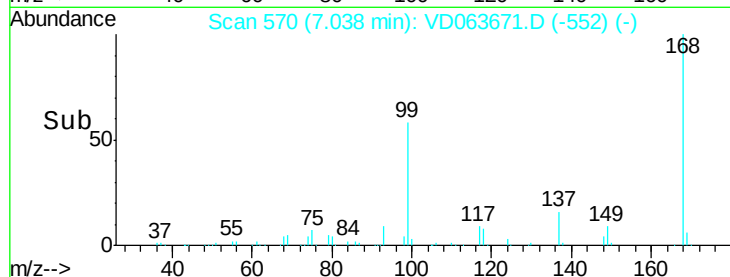
200000

100000

0

6.90 7.00 7.10 7.20 7.30

Time-->



#20

Methylene Chloride

Concen: 1.541 ug/l

RT: 3.81 min Scan# 242

Delta R.T. -0.02 min

Lab File: VD063671.D

Acq: 19 Aug 2019 21:23

Tgt Ion: 84 Resp: 13760

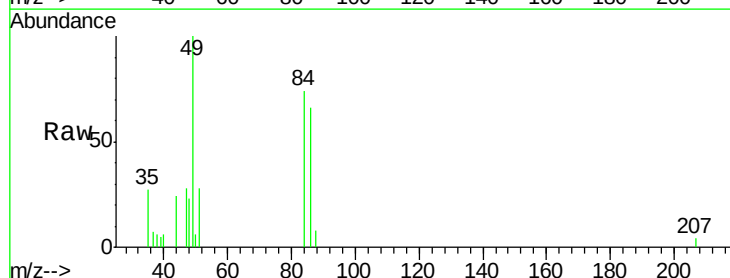
Ion Ratio Lower Upper

84 100

49 134.5 103.4 155.2

51 37.0 28.5 42.7

86 89.4 49.4 74.2#



Abundance Ion 83.95 (83.65 to 84.65): 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

10000

8000

6000

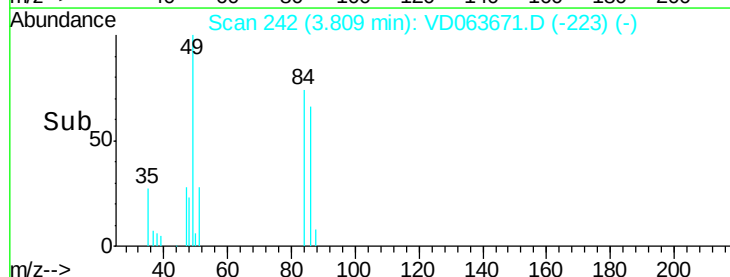
4000

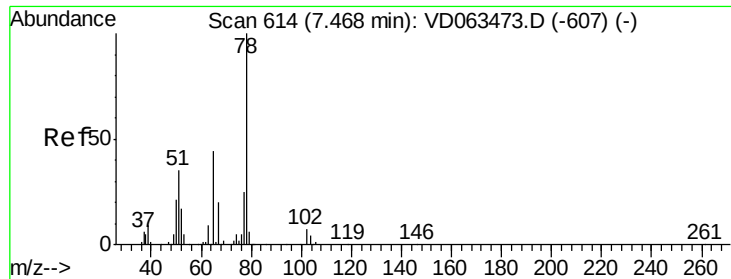
2000

0

3.70 3.75 3.80 3.85 3.90

Time-->





#33

1,2-Dichloroethane-d4

Concen: 46.637 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.03 min

Lab File: VD063671.D

Acq: 19 Aug 2019 21:23

Instrument :

MSVOA_D

ClientSampleId :

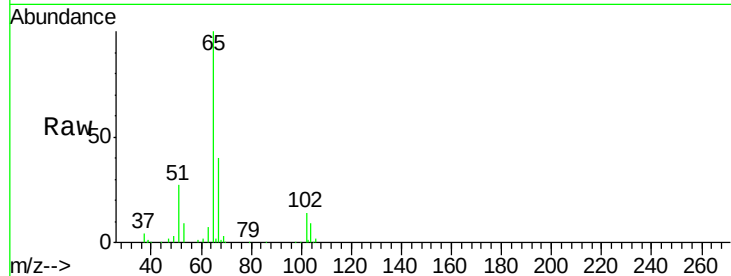
SP-1A

Tot Ion: 65 Resp: 473619

Ion Ratio Lower Upper

65 100

67 39.5 0.0 89.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.44

200000

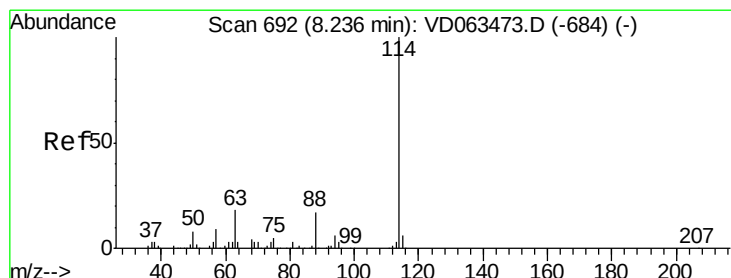
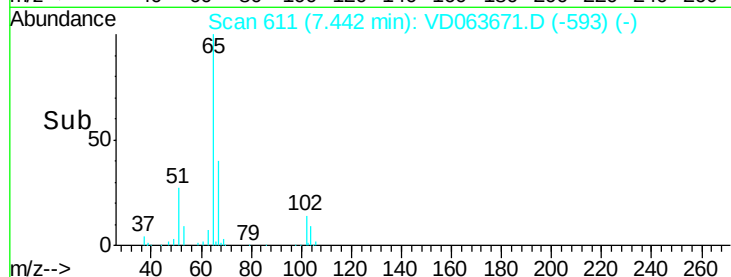
150000

100000

50000

0

Time--> 7.30 7.40 7.50 7.60



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. -0.03 min

Lab File: VD063671.D

Acq: 19 Aug 2019 21:23

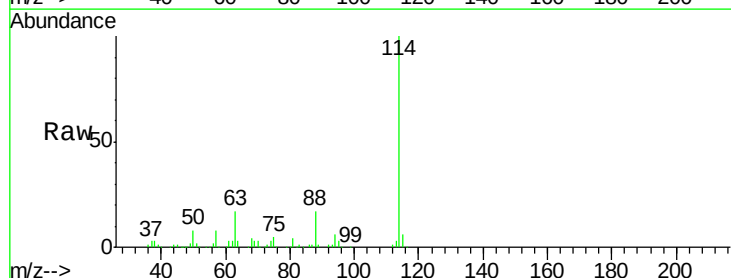
Tgt Ion: 114 Resp: 1394927

Ion Ratio Lower Upper

114 100

63 17.3 0.0 36.2

88 16.6 0.0 35.0



Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.21

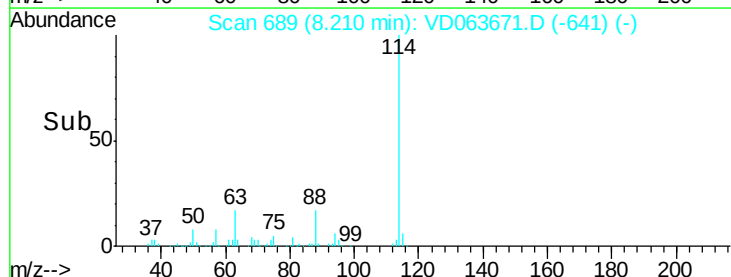
600000

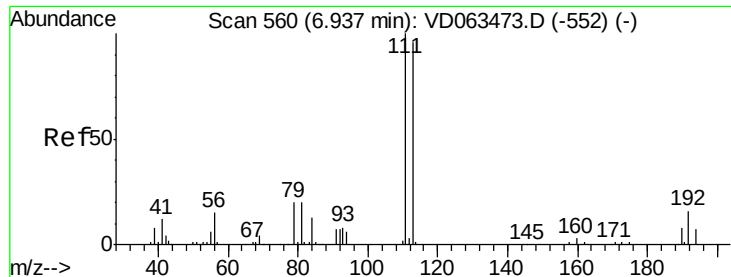
400000

200000

0

Time--> 8.10 8.20 8.30 8.40





#35

Dibromofluoromethane

Concen: 48.770 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.03 min

Lab File: VD063671.D

Acq: 19 Aug 2019 21:23

Instrument :

MSVOA_D

ClientSampleId :

SP-1A

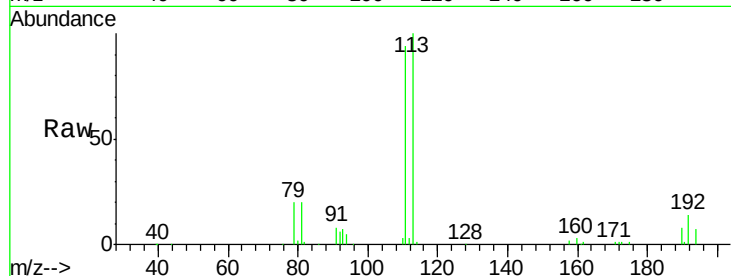
Tot Ion:113 Resp: 572958

Ion Ratio Lower Upper

113 100

111 94.3 83.1 124.7

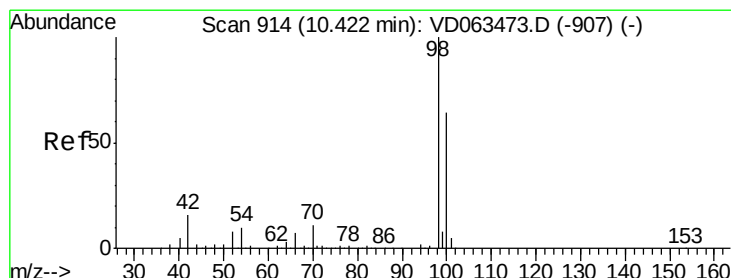
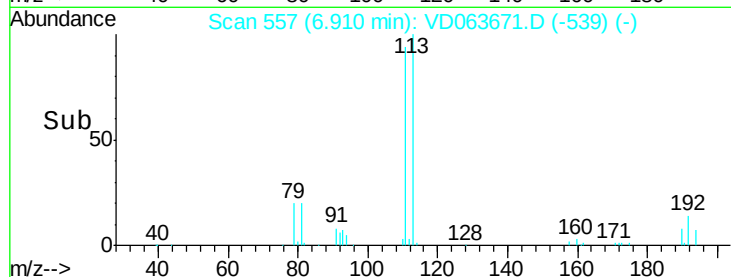
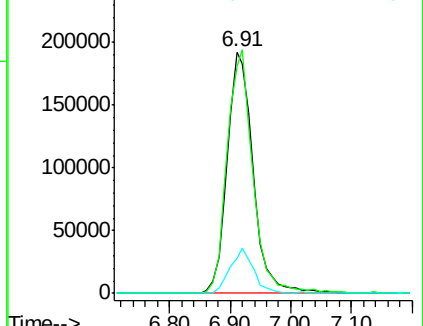
192 14.4 13.1 19.7



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



#50

Toluene-d8

Concen: 47.905 ug/l

RT: 10.41 min Scan# 912

Delta R.T. -0.02 min

Lab File: VD063671.D

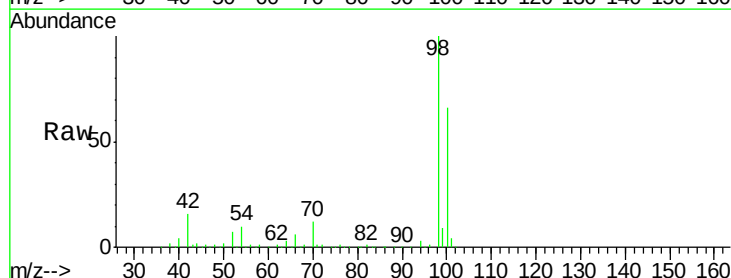
Acq: 19 Aug 2019 21:23

Tgt Ion: 98 Resp: 1237324

Ion Ratio Lower Upper

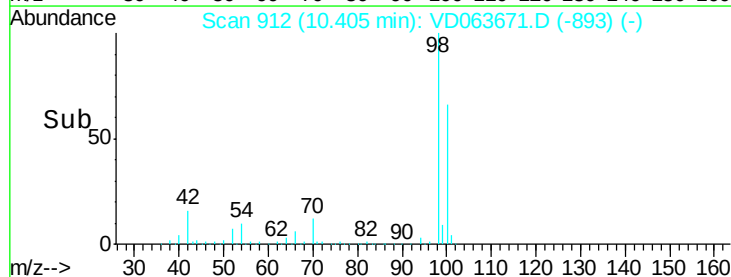
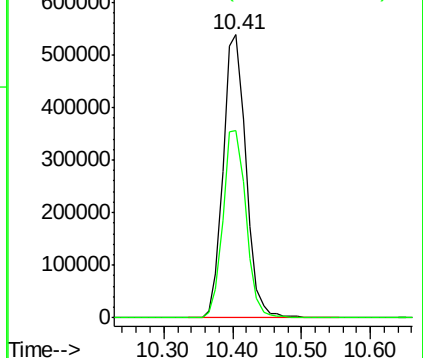
98 100

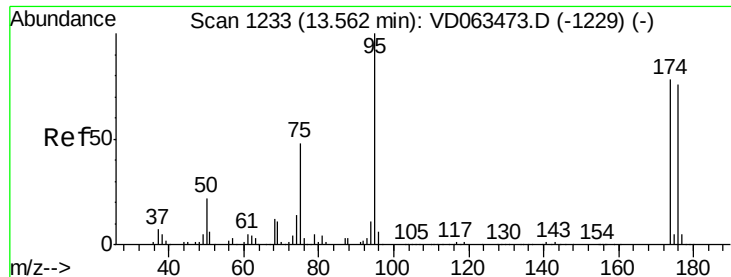
100 66.2 51.7 77.5



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

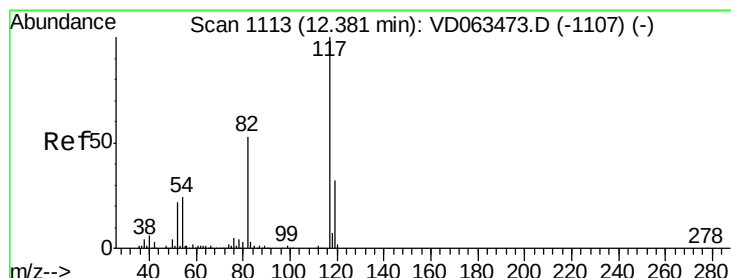
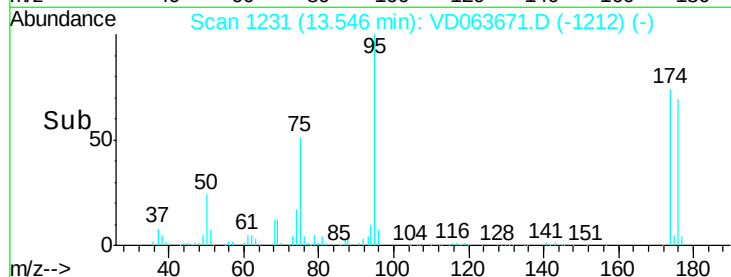
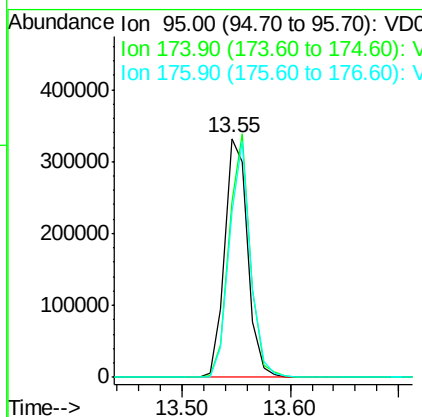
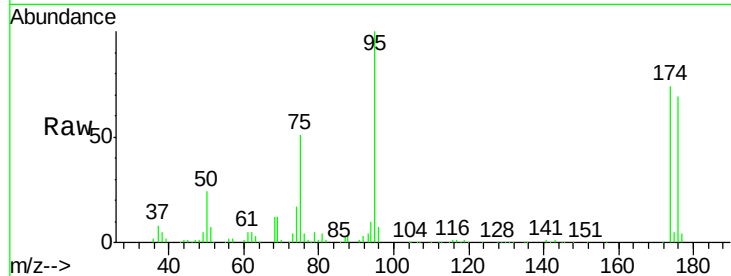




#62
4-Bromofluorobenzene
Concen: 41.930 ug/l
RT: 13.55 min Scan# 1231
Delta R.T. -0.02 min
Lab File: VD063671.D
Acq: 19 Aug 2019 21:23

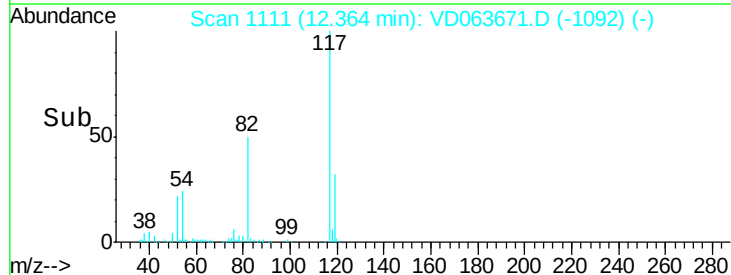
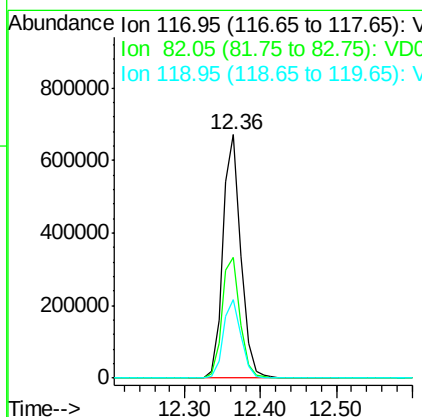
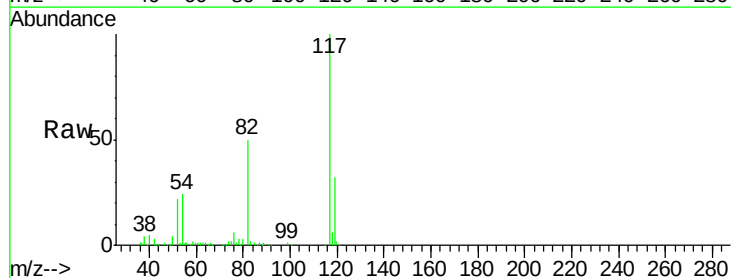
Instrument :
MSVOA_D
ClientSampleId :
SP-1A

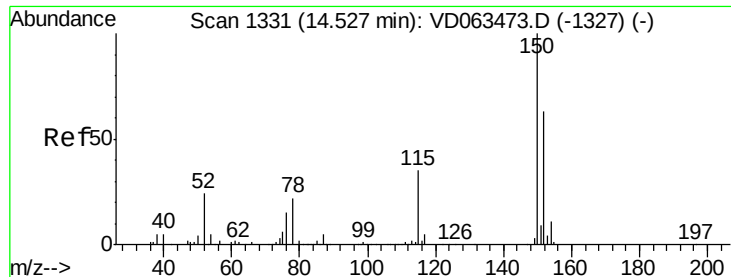
Tot Ion: 95 Resp: 490865
Ion Ratio Lower Upper
95 100
174 73.8 0.0 155.4
176 69.2 0.0 152.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD063671.D
Acq: 19 Aug 2019 21:23

Tgt Ion: 117 Resp: 1104634
Ion Ratio Lower Upper
117 100
82 49.8 42.0 63.0
119 32.3 25.4 38.0

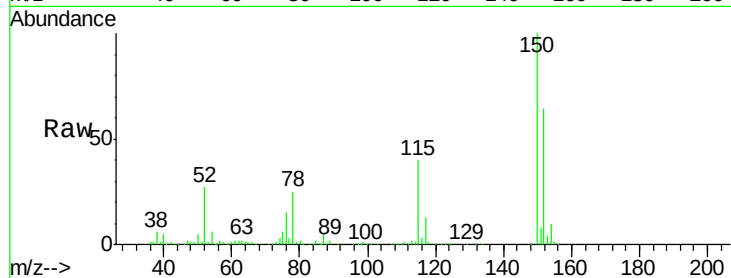




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.51 min Scan# 1329
 Delta R.T. -0.02 min
 Lab File: VD063671.D
 Acq: 19 Aug 2019 21:23

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-1A

Tot Ion	Ratio	Lower	Upper
152	100		
115	63.5	30.9	92.7
150	157.2	0.0	318.6



Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 115.00 (114.70 to 115.70): V
 Ion 149.90 (149.60 to 150.60): V

