

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_D\DATA\VD102919\
 Data File : VD064102.D
 Acq On : 29 Oct 2019 21:32
 Operator : VA/SY
 Sample : K5599-05
 Misc : 5.55G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 Z3-21A

Quant Time: Oct 30 08:49:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 08:00:10 2019
 Response via : Initial Calibration

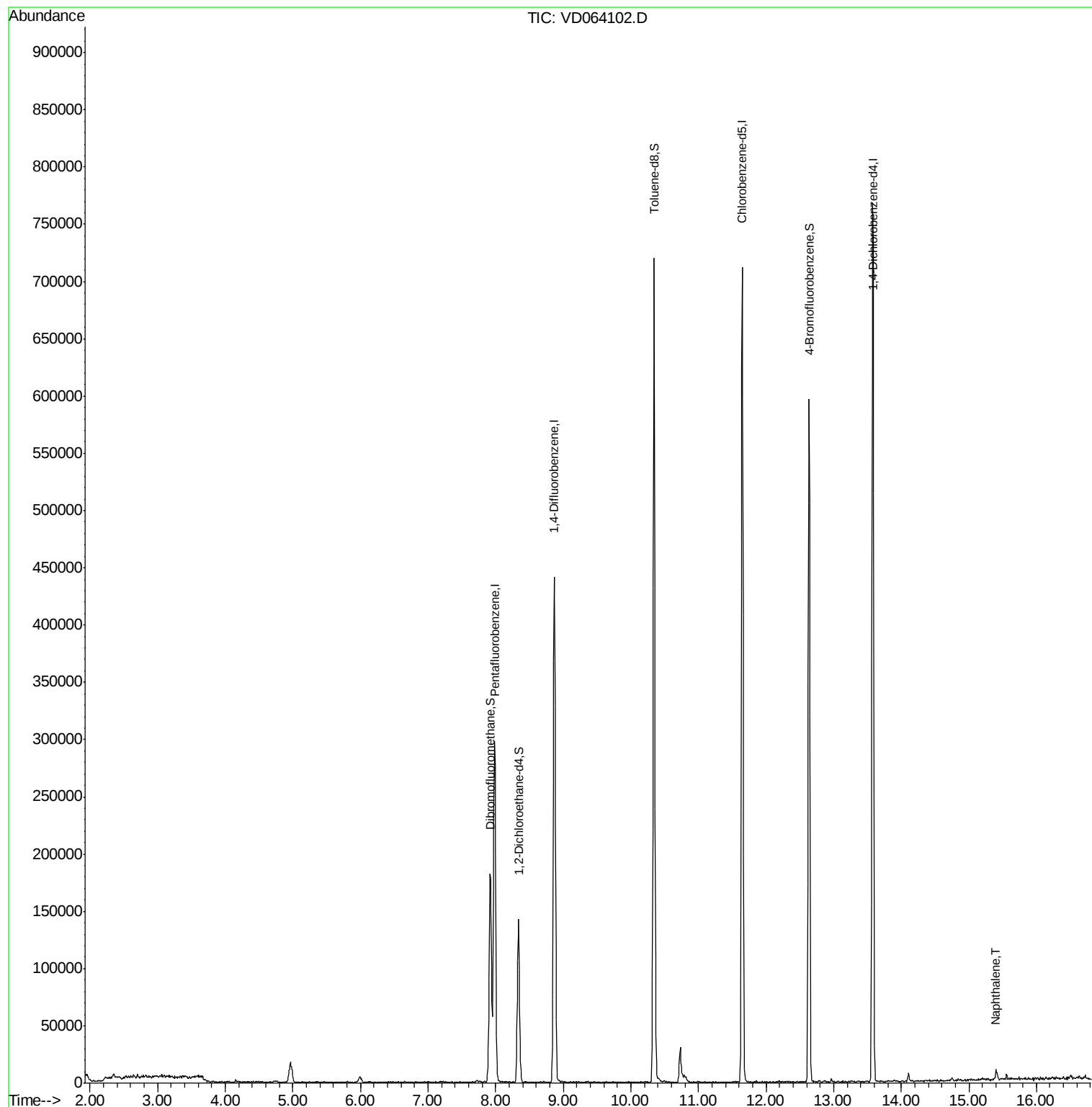
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	240994	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	404152	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	417050	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	216916	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	113729	59.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	118.68%	
35) Dibromofluoromethane	7.92	113	128407	51.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.28%	
50) Toluene-d8	10.34	98	502615	50.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.10%	
62) 4-Bromofluorobenzene	12.64	95	173493	52.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.26%	
Target Compounds						
95) Naphthalene	15.40	128	8007	1.088	ug/l #	Qvalue 76

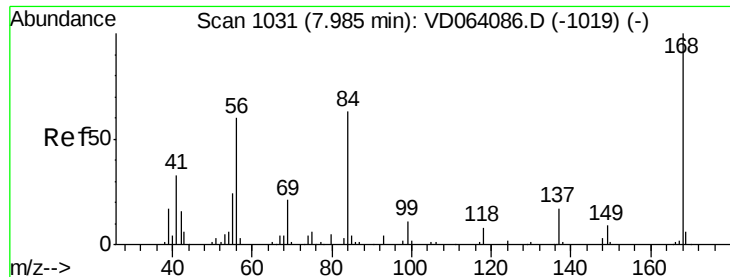
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064102.D

Acq: 29 Oct 2019 21:32

Instrument :

MSVOA_D

ClientSampleId :

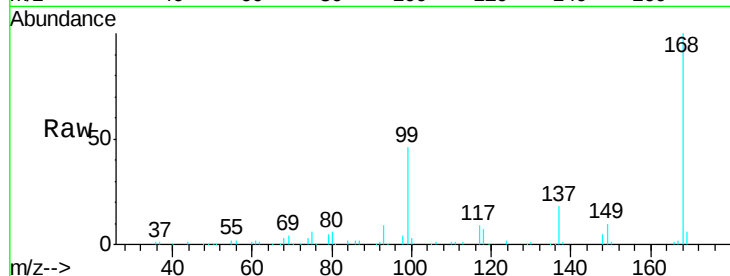
Z3-21A

Tgt Ion:168 Resp: 240994

Ion Ratio Lower Upper

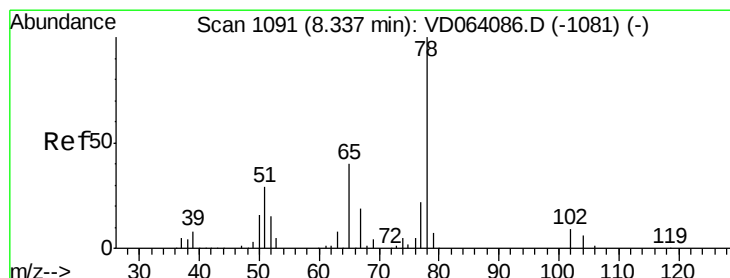
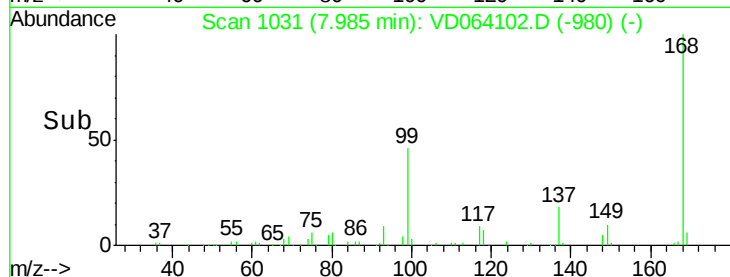
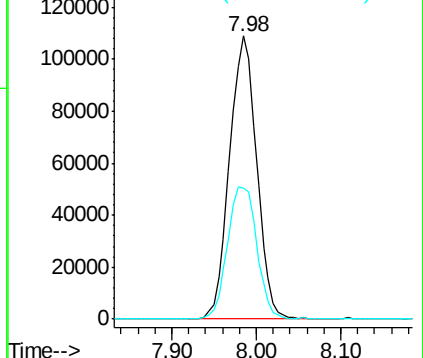
168 100

99 46.1 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#33

1,2-Dichloroethane-d4

Concen: 59.338 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD064102.D

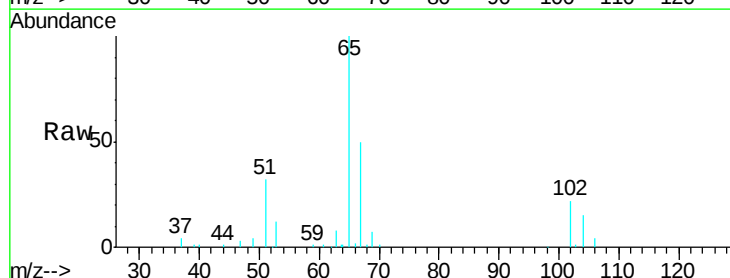
Acq: 29 Oct 2019 21:32

Tgt Ion: 65 Resp: 113729

Ion Ratio Lower Upper

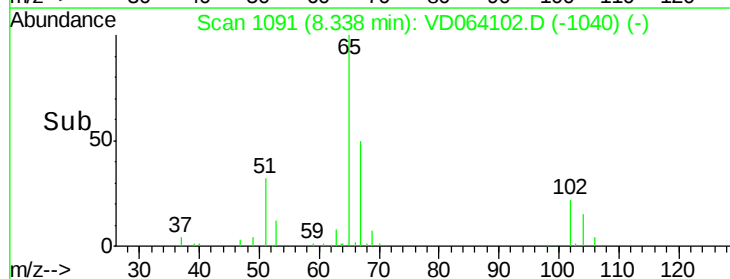
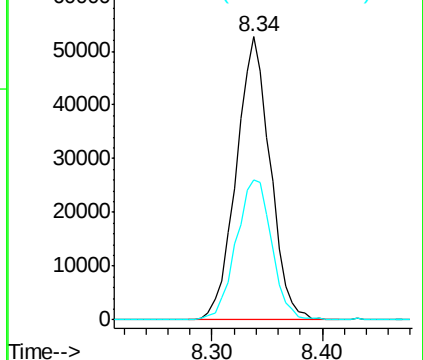
65 100

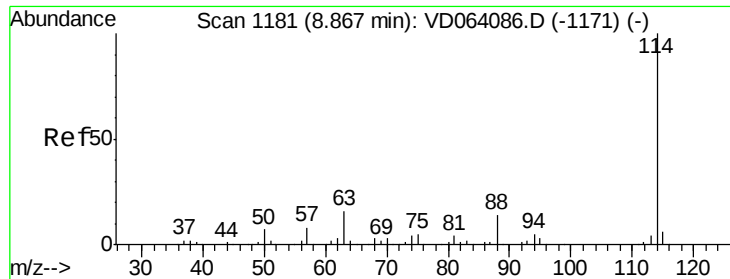
67 52.0 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

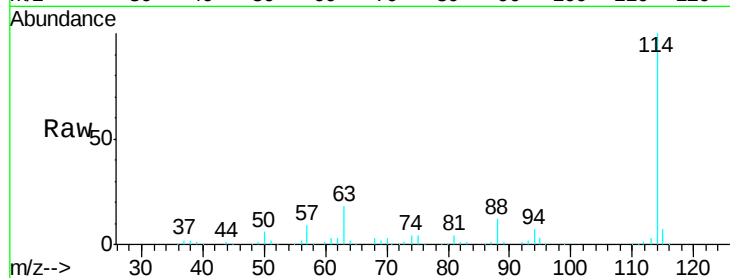




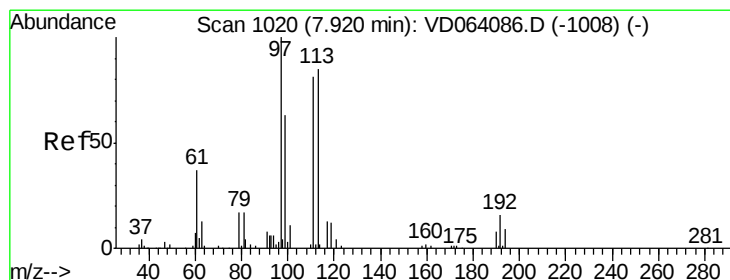
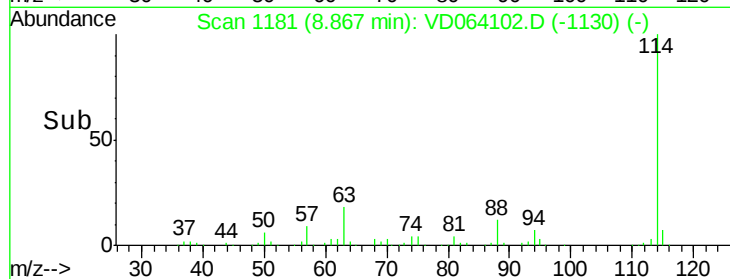
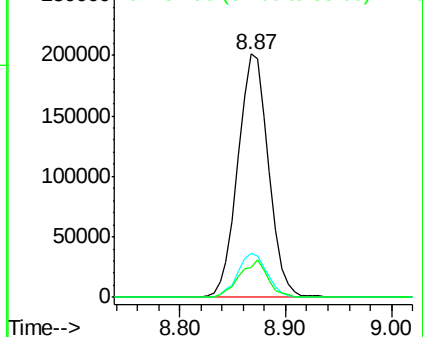
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064102.D
 Acq: 29 Oct 2019 21:32

Instrument :
 MSVOA_D
 ClientSampleId :
 Z3-21A

Tgt Ion:114 Resp: 404152
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 32.8
 88 12.1 0.0 27.6

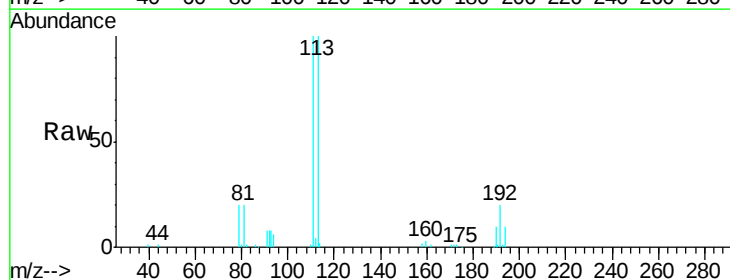


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

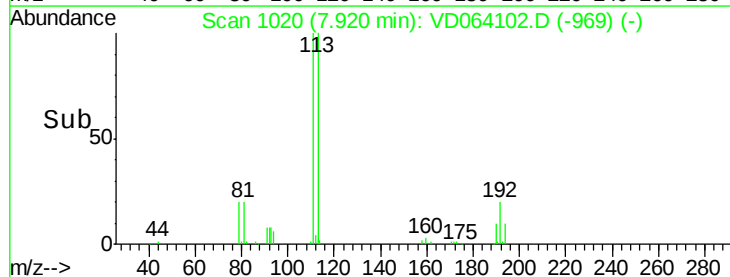
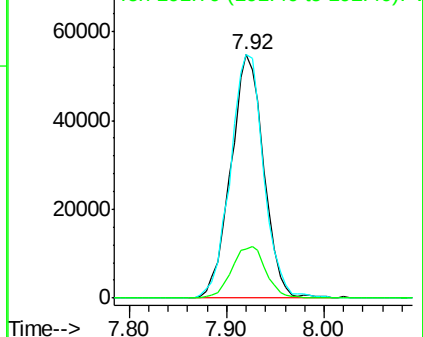


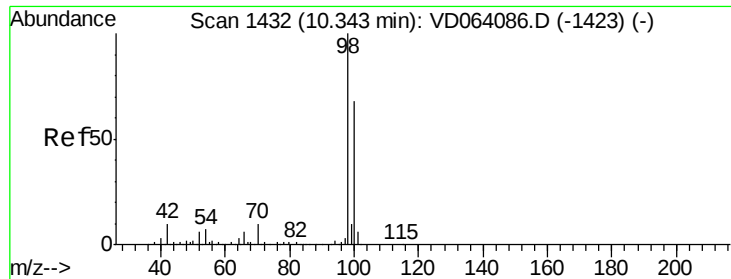
#35
 Dibromofluoromethane
 Concen: 51.643 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064102.D
 Acq: 29 Oct 2019 21:32

Tgt Ion:113 Resp: 128407
 Ion Ratio Lower Upper
 113 100
 111 101.5 79.3 118.9
 192 21.9 16.2 24.2



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: 50.546 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD064102.D

Acq: 29 Oct 2019 21:32

Instrument :

MSVOA_D

ClientSampleId :

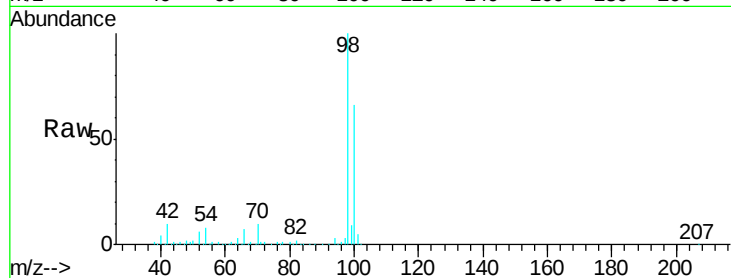
Z3-21A

Tgt Ion: 98 Resp: 502615

Ion Ratio Lower Upper

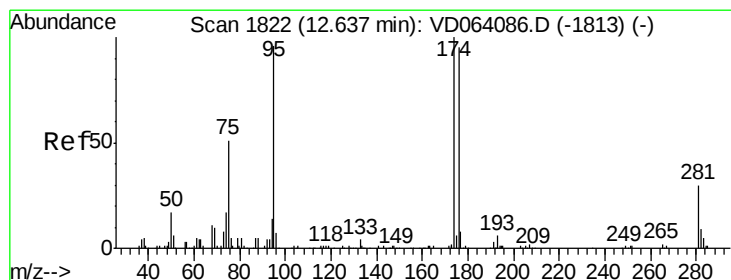
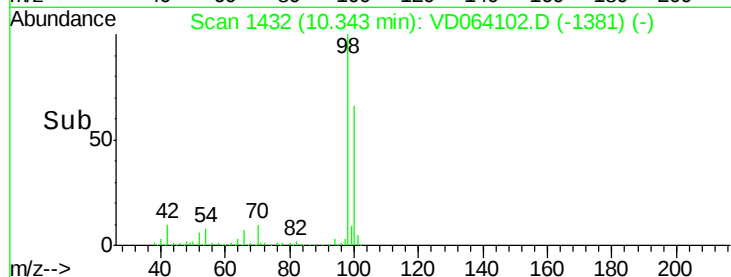
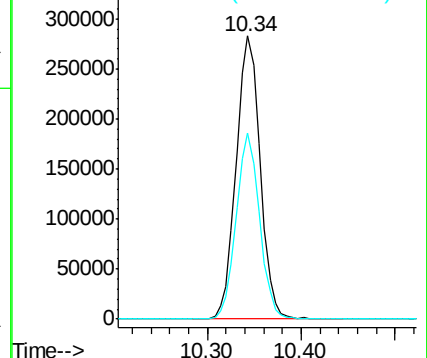
98 100

100 63.9 53.4 80.0



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#62

4-Bromofluorobenzene

Concen: 52.627 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064102.D

Acq: 29 Oct 2019 21:32

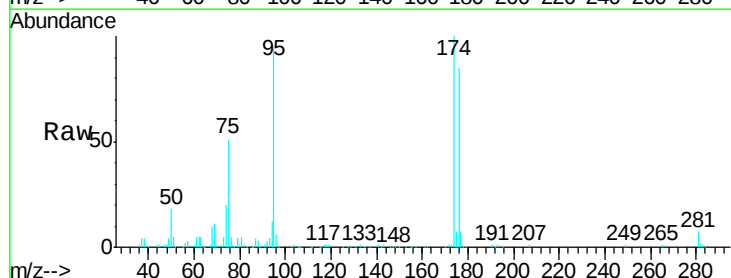
Tgt Ion: 95 Resp: 173493

Ion Ratio Lower Upper

95 100

174 102.2 0.0 201.6

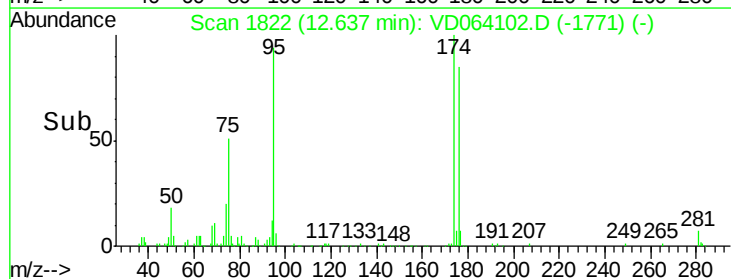
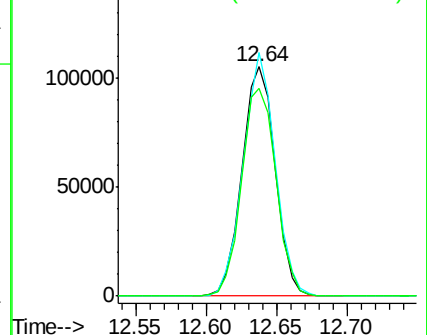
176 93.7 0.0 192.6

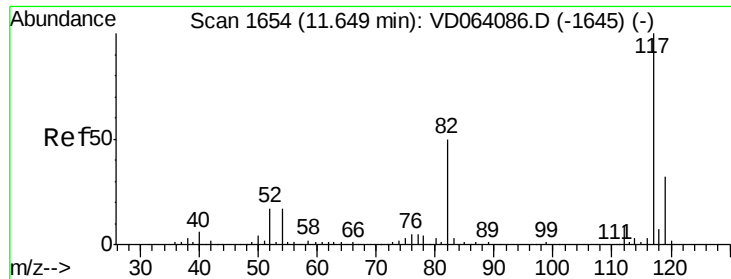


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

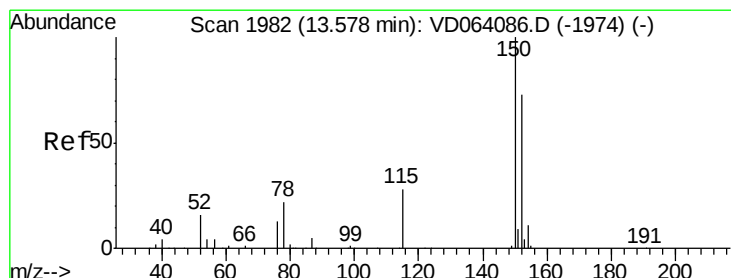
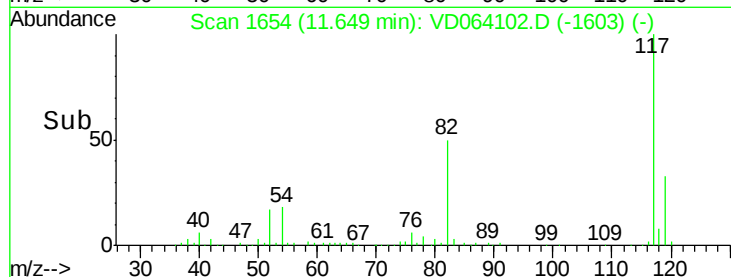
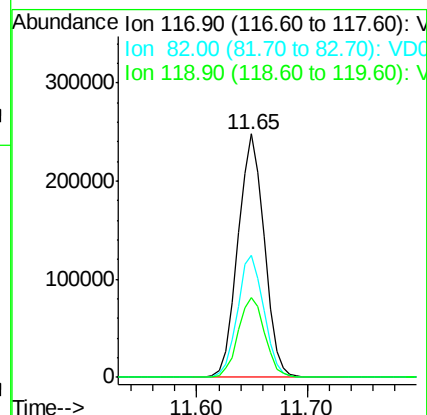
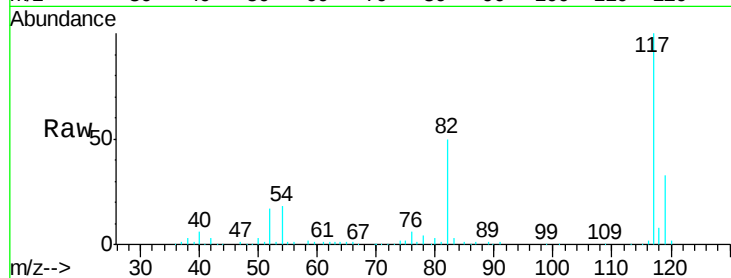




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064102.D
Acq: 29 Oct 2019 21:32

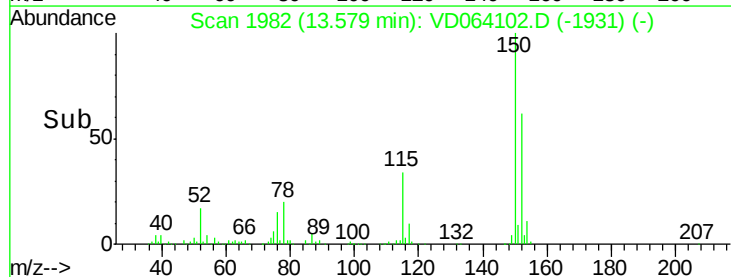
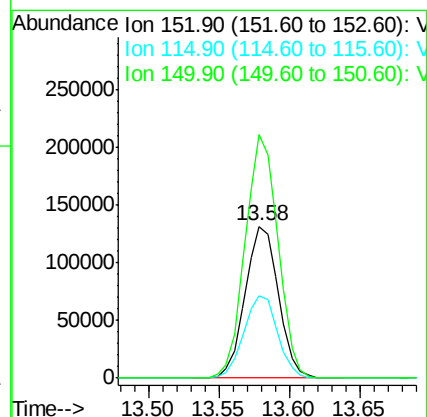
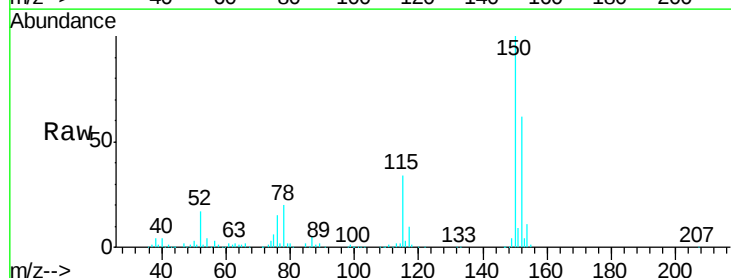
Instrument :
MSVOA_D
ClientSampleId :
Z3-21A

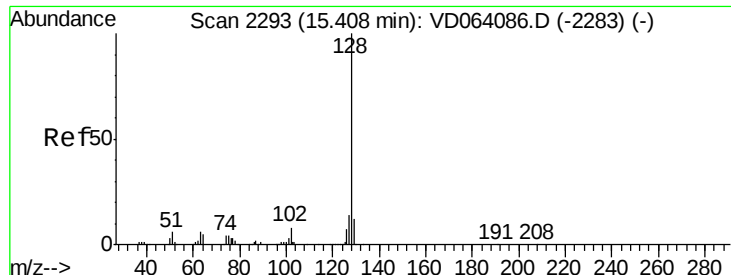
Tgt Ion:117 Resp: 417050
Ion Ratio Lower Upper
117 100
82 50.1 40.2 60.4
119 32.7 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD064102.D
Acq: 29 Oct 2019 21:32

Tgt Ion:152 Resp: 216916
Ion Ratio Lower Upper
152 100
115 55.3 26.2 78.6
150 158.1 0.0 338.8





#95

Naphthalene

Concen: 1.088 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. -0.01 min

Lab File: VD064102.D

Acq: 29 Oct 2019 21:32

Instrument :

MSVOA_D

ClientSampleId :

Z3-21A

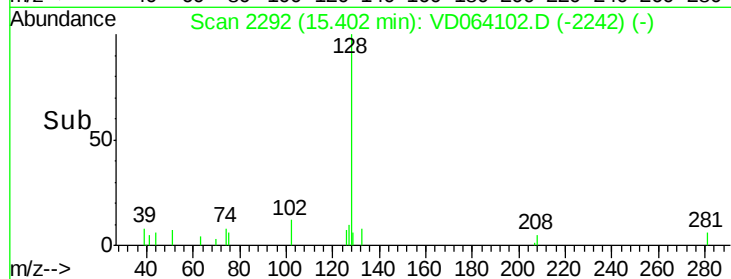
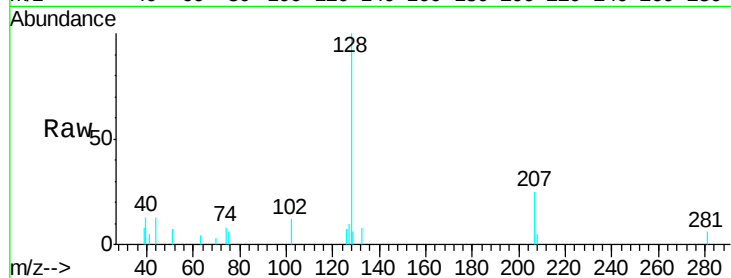
Tgt Ion:128 Resp: 8007

Ion Ratio Lower Upper

128 100

127 0.0 10.9 16.3#

129 6.8 8.8 13.2#



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

