

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121619\
 Data File : VD064528.D
 Acq On : 16 Dec 2019 17:29
 Operator : VA/SY
 Sample : K6299-01
 Misc : 5.10G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SHORE-RD-BH-01

Quant Time: Dec 17 03:58:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

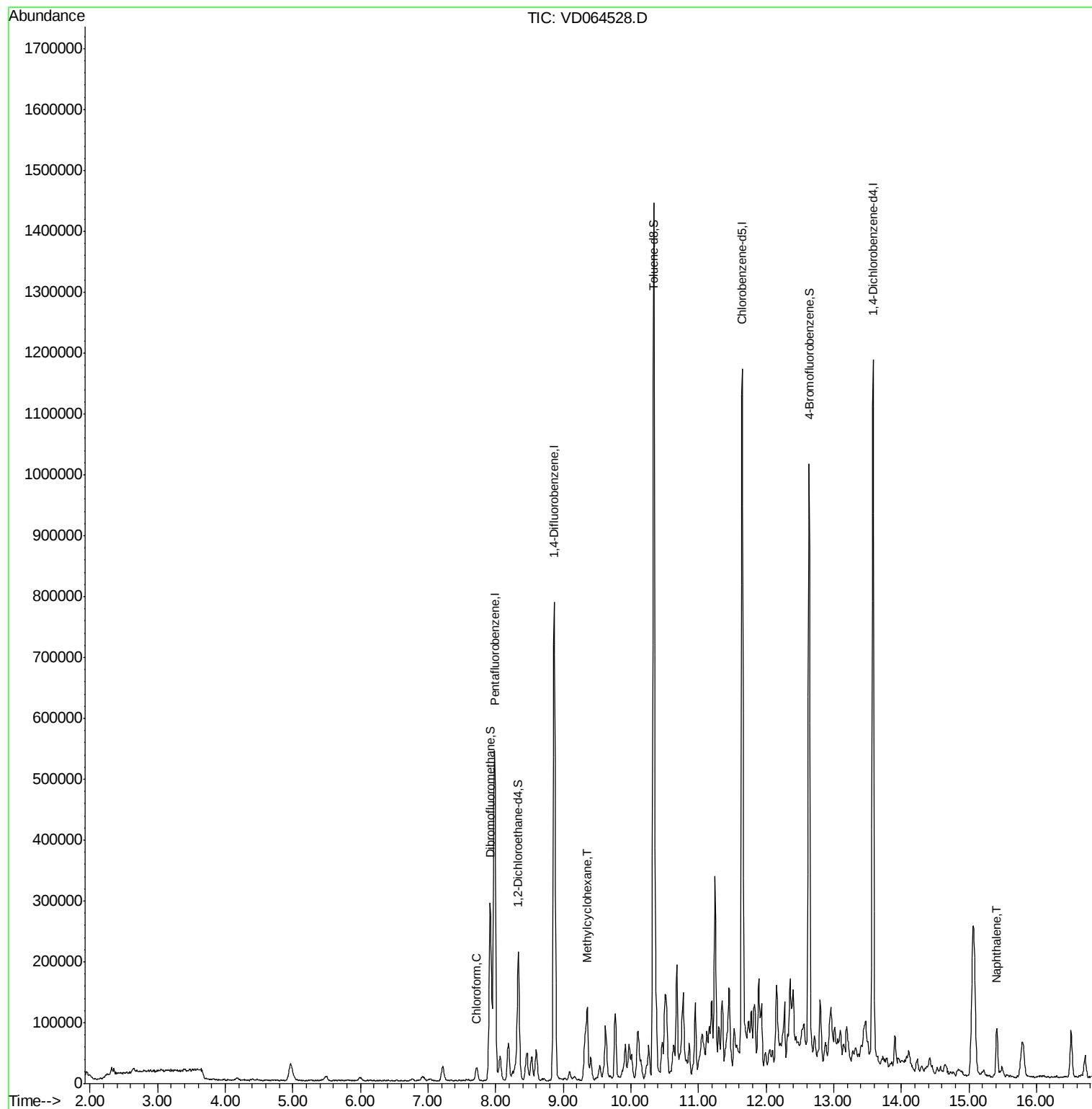
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	437192	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	681988	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	639600	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	313949	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	166798	42.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.30%	
35) Dibromofluoromethane	7.92	113	198117	46.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.22%	
50) Toluene-d8	10.34	98	833110	51.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.94%	
62) 4-Bromofluorobenzene	12.64	95	277861	53.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.84%	
Target Compounds						
30) Chloroform	7.72	83	18315	2.422	ug/l	92
39) Methylcyclohexane	9.35	83	46606	5.824	ug/l	95
95) Naphthalene	15.41	128	74052	6.406	ug/l	98

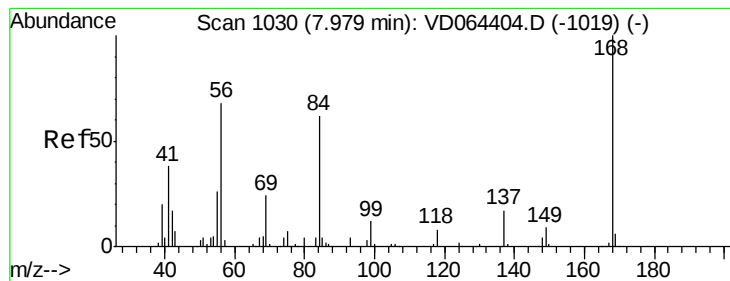
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD064528.D

Acq: 16 Dec 2019 17:29

Instrument :

MSVOA_D

ClientSampleId :

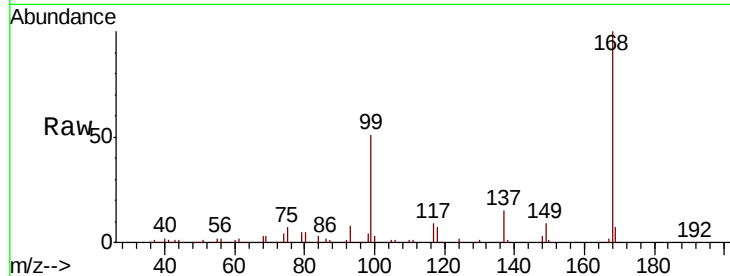
SHORE-RD-BH-01

Tot Ion:168 Resp: 437192

Ion Ratio Lower Upper

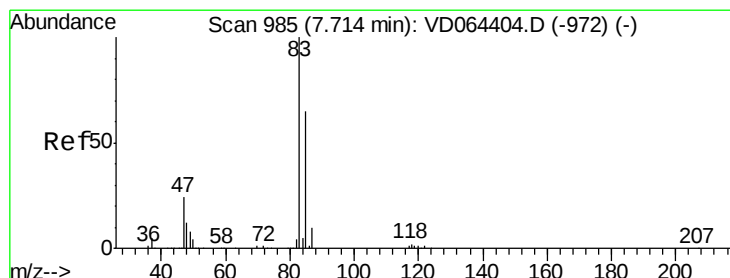
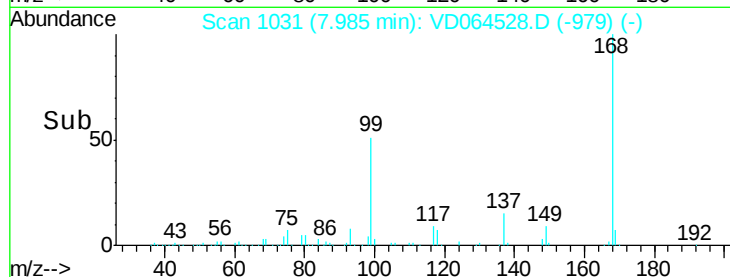
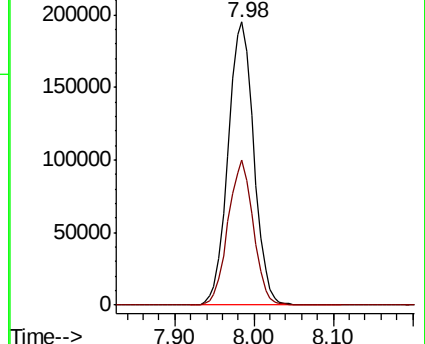
168 100

99 51.1 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#30

Chloroform

Concen: 2.422 ug/l

RT: 7.72 min Scan# 986

Delta R.T. 0.01 min

Lab File: VD064528.D

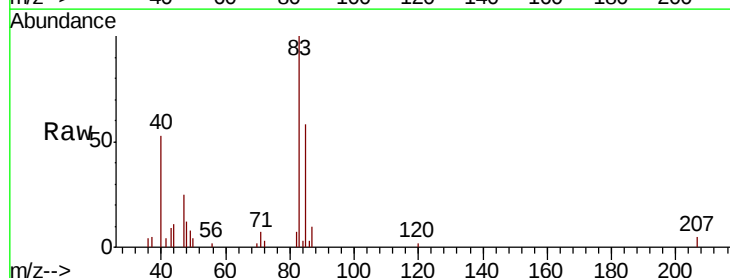
Acq: 16 Dec 2019 17:29

Tgt Ion: 83 Resp: 18315

Ion Ratio Lower Upper

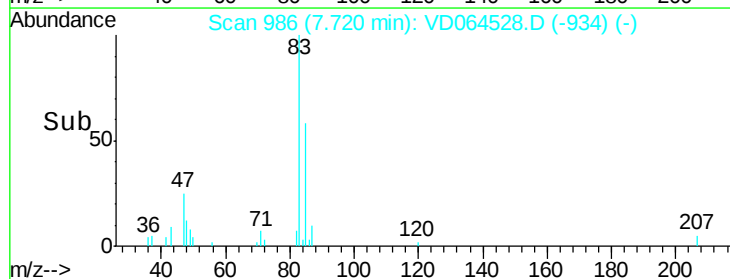
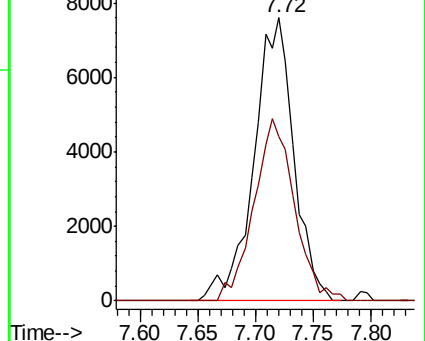
83 100

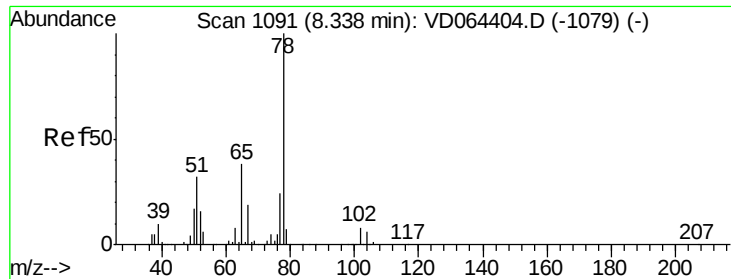
85 58.2 51.8 77.6



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

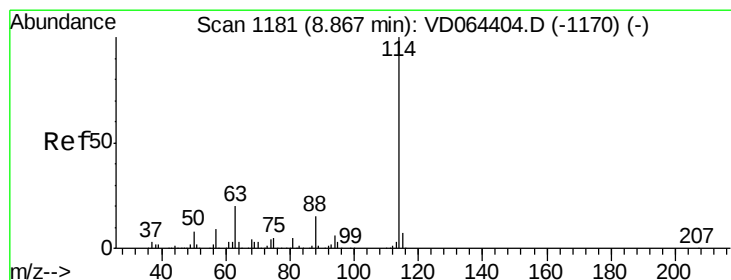
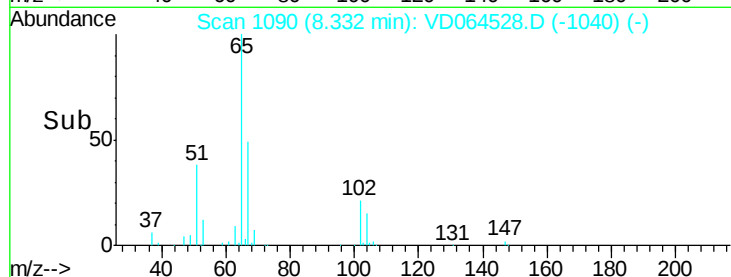
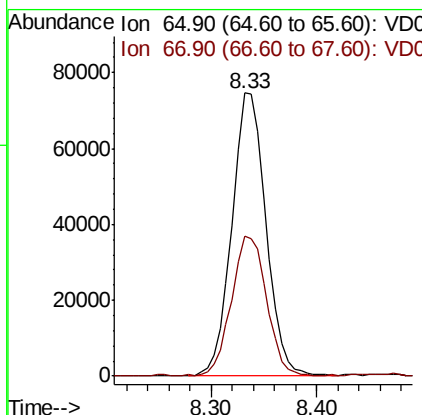
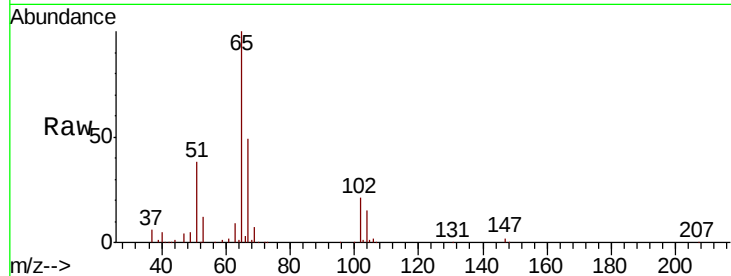




#33
 1,2-Dichloroethane-d4
 Concen: 42.150 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064528.D
 Acq: 16 Dec 2019 17:29

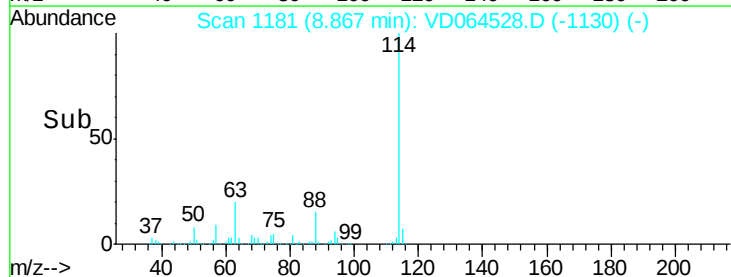
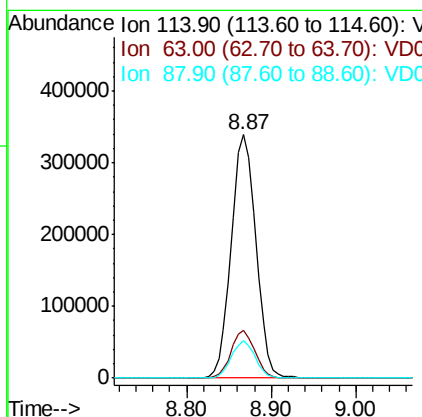
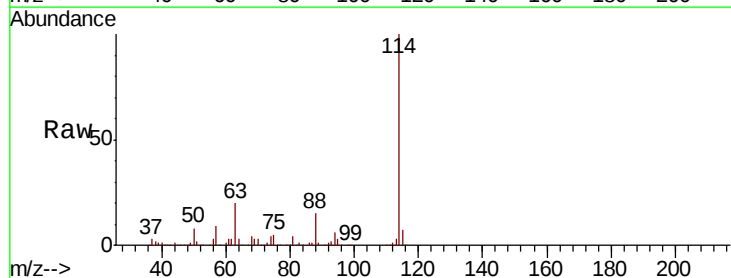
Instrument :
 MSVOA_D
 ClientSampleId :
 SHORE-RD-BH-01

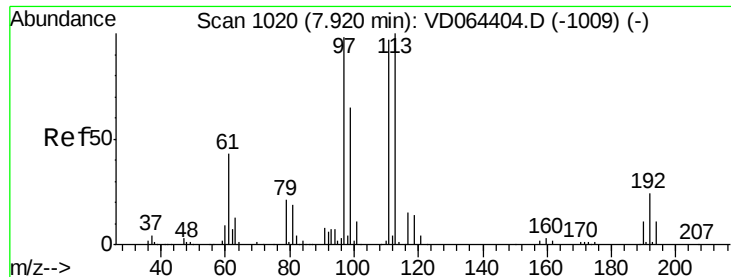
Tot Ion: 65 Resp: 166798
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064528.D
 Acq: 16 Dec 2019 17:29

Tgt Ion: 114 Resp: 681988
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 40.0
 88 15.3 0.0 29.2





#35

Dibromofluoromethane

Concen: 46.107 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD064528.D

Acq: 16 Dec 2019 17:29

Instrument :
MSVOA_D
ClientSampleId :
SHORE-RD-BH-01

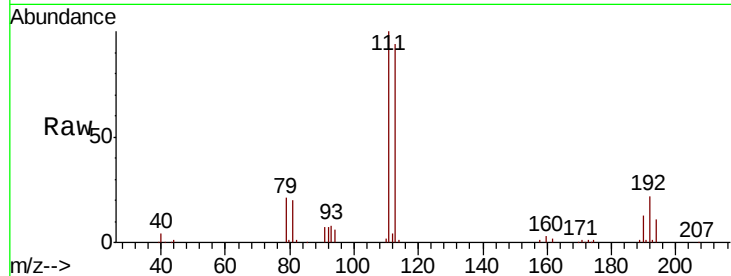
Tot Ion:113 Resp: 198117

Ion Ratio Lower Upper

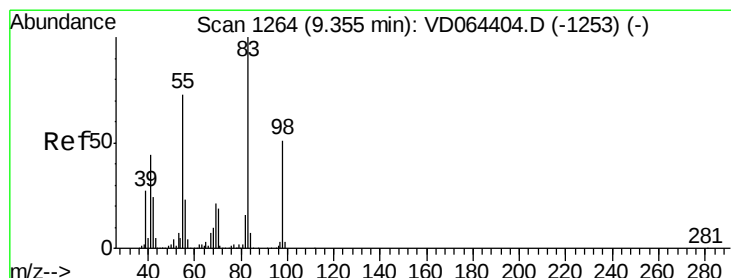
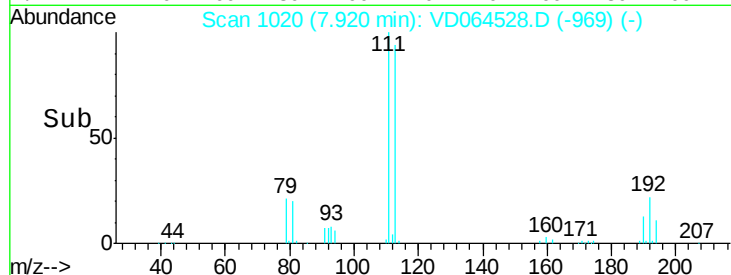
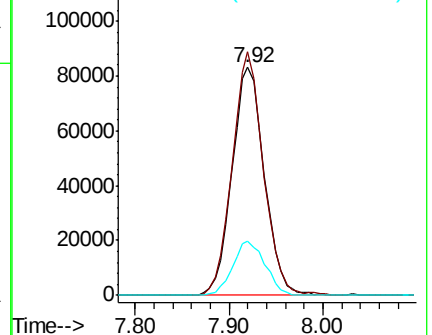
113 100

111 102.3 79.4 119.2

192 23.9 18.6 28.0



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



#39

Methylcyclohexane

Concen: 5.824 ug/l

RT: 9.35 min Scan# 1263

Delta R.T. -0.01 min

Lab File: VD064528.D

Acq: 16 Dec 2019 17:29

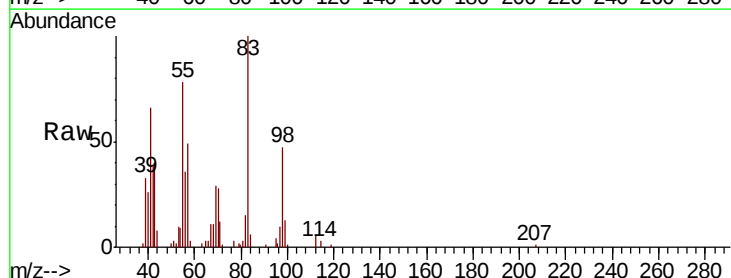
Tgt Ion: 83 Resp: 46606

Ion Ratio Lower Upper

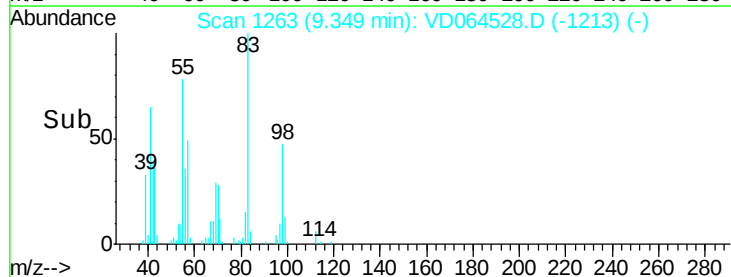
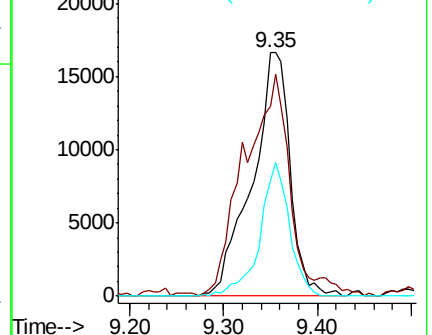
83 100

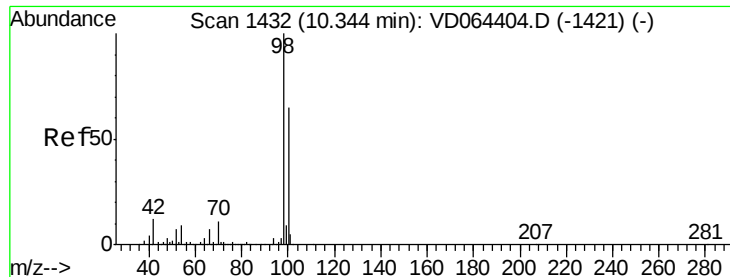
55 77.2 58.6 87.8

98 47.4 40.9 61.3



Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC





#50

Toluene-d8

Concen: 51.472 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD064528.D

Acq: 16 Dec 2019 17:29

Instrument :

MSVOA_D

ClientSampleId :

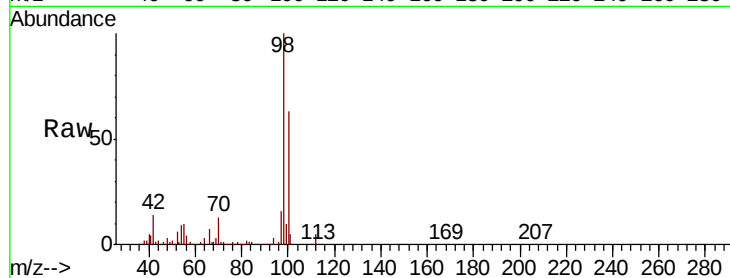
SHORE-RD-BH-01

Tot Ion: 98 Resp: 833110

Ion Ratio Lower Upper

98 100

100 64.1 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

10.34

500000

400000

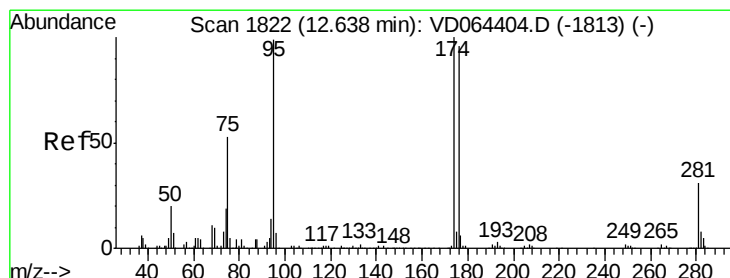
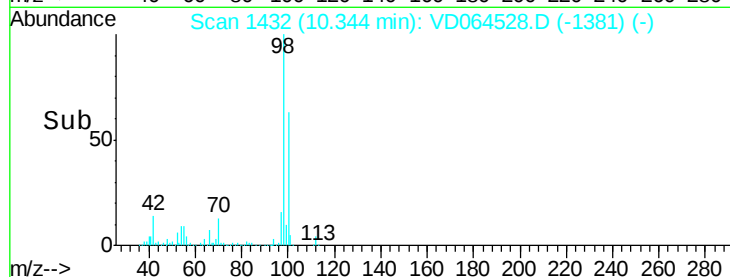
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 53.418 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD064528.D

Acq: 16 Dec 2019 17:29

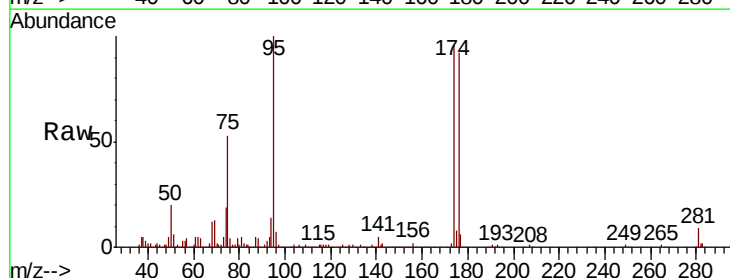
Tgt Ion: 95 Resp: 277861

Ion Ratio Lower Upper

95 100

174 96.6 0.0 197.2

176 94.4 0.0 189.6



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

12.64

200000

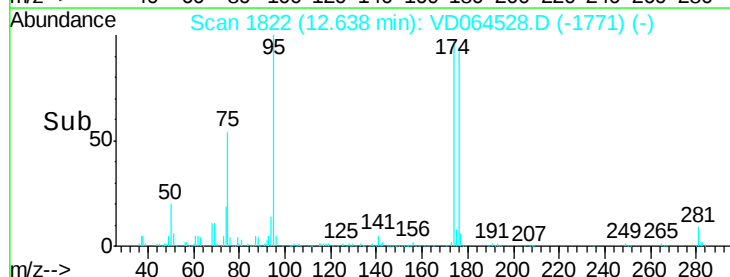
150000

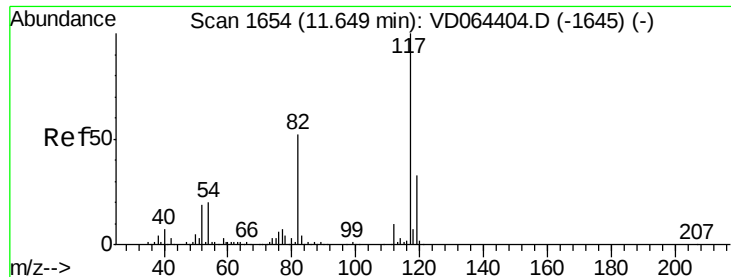
100000

50000

0

Time-->

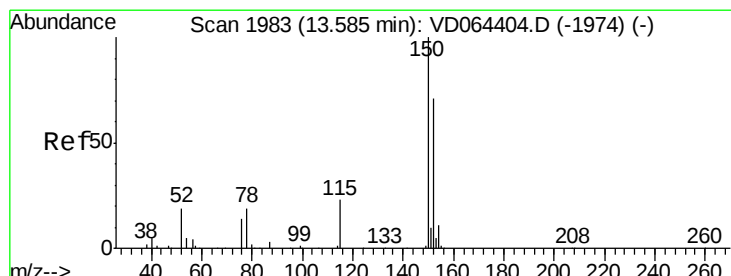
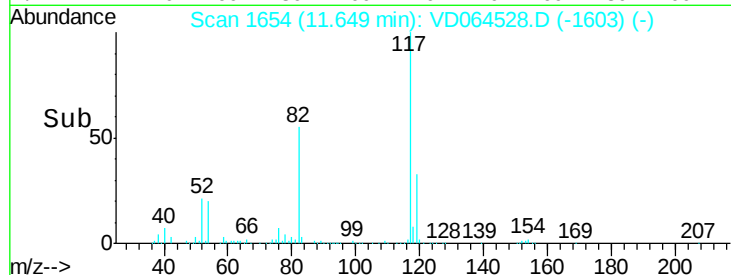
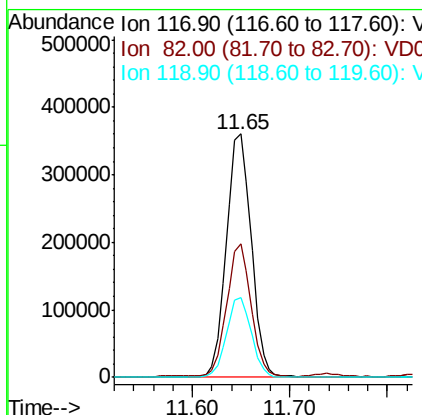
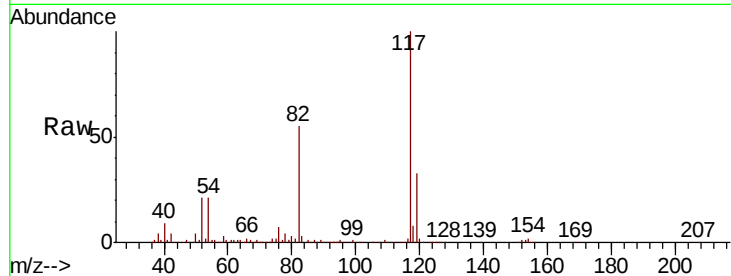




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064528.D
Acq: 16 Dec 2019 17:29

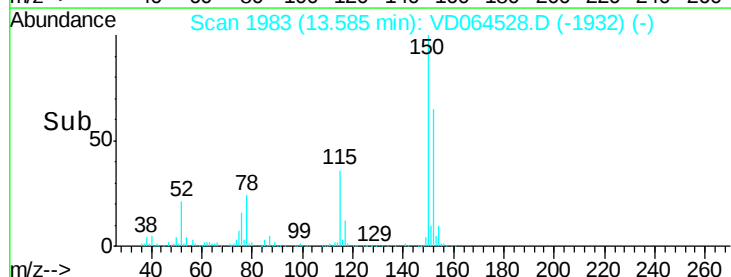
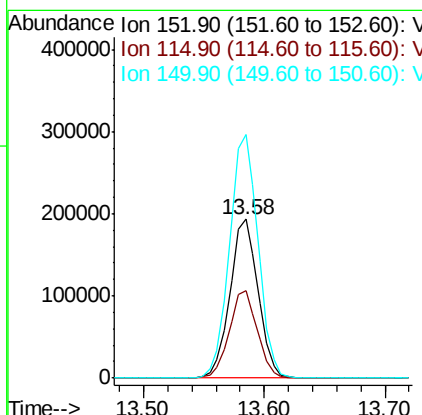
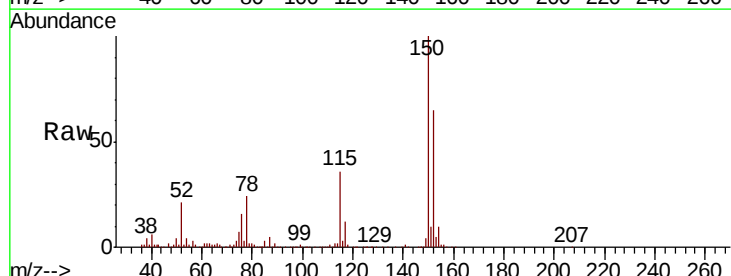
Instrument :
MSVOA_D
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SHORE-RD-BH-01

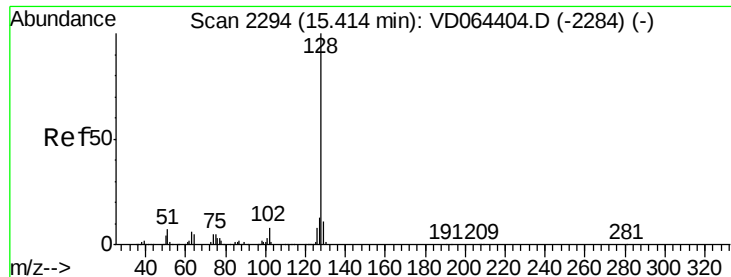
Tot Ion:117 Resp: 639600
Ion Ratio Lower Upper
117 100
82 54.3 41.4 62.2
119 32.8 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD064528.D
Acq: 16 Dec 2019 17:29

Tgt Ion:152 Resp: 313949
Ion Ratio Lower Upper
152 100
115 55.1 26.7 80.1
150 155.1 0.0 347.2





#95

Naphthalene

Concen: 6.406 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VD064528.D

Acq: 16 Dec 2019 17:29

Instrument :

MSVOA_D

ClientSampleId :

SHORE-RD-BH-01

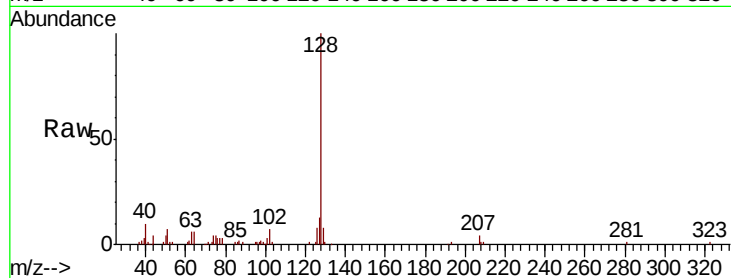
Tot Ion:128 Resp: 74052

Ion Ratio Lower Upper

128 100

127 14.5 10.5 15.7

129 10.9 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

