

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD033120\
 Data File : VD065570.D
 Acq On : 31 Mar 2020 17:12
 Operator : VA/SY
 Sample : L1759-16RE
 Misc : 7.71G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-03-033020RE

Quant Time: Apr 01 08:06:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 01:47:48 2020
 Response via : Initial Calibration

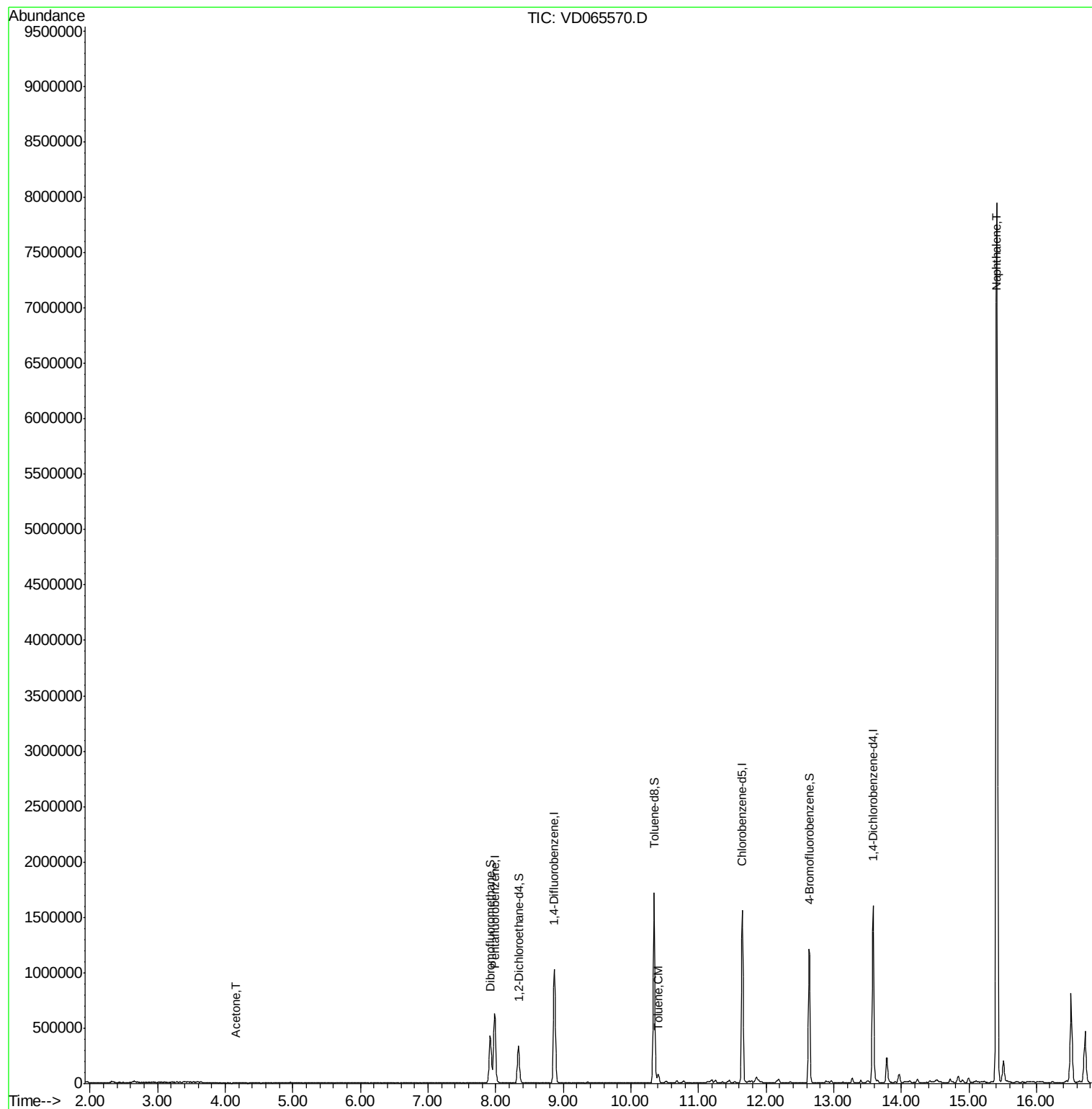
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	506108	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	912979	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	932036	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	445607	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	269893	64.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	128.12%	
35) Dibromofluoromethane	7.92	113	302961	53.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.52%	
50) Toluene-d8	10.34	98	1126964	53.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.54%	
62) 4-Bromofluorobenzene	12.64	95	389769	58.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.10%	
Target Compounds						
16) Acetone	4.17	43	13316	16.751	ug/l	91
52) Toluene	10.41	92	30048	1.993	ug/l	96
95) Naphthalene	15.41	128	7049519	472.226	ug/l	99

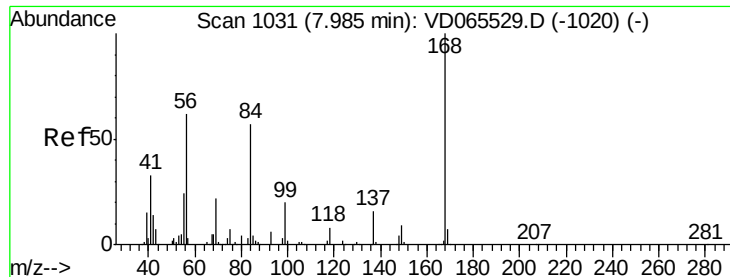
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD065570.D

Acq: 31 Mar 2020 17:12

Instrument :

MSVOA_D

ClientSampleId :

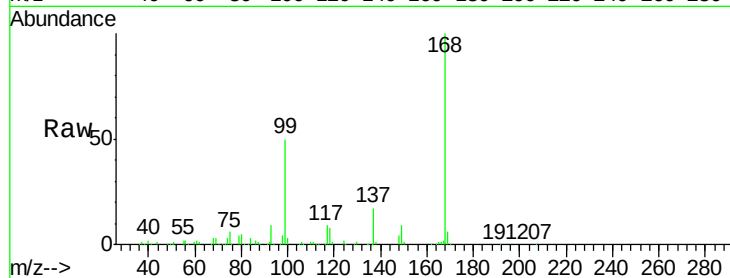
OR-03-033020RE

Tot Ion:168 Resp: 506108

Ion Ratio Lower Upper

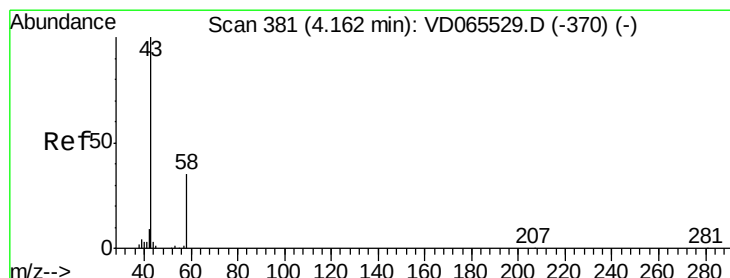
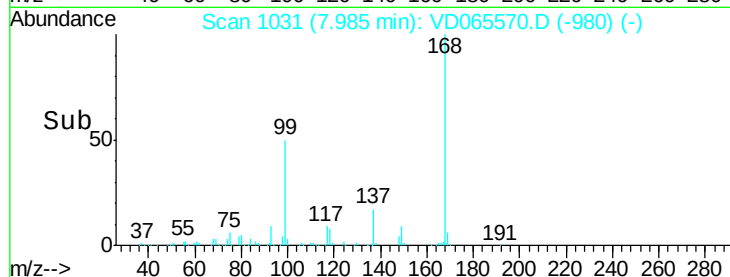
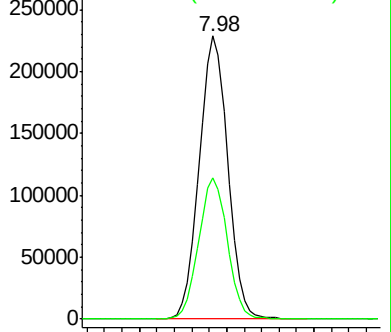
168 100

99 50.0 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 16.751 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD065570.D

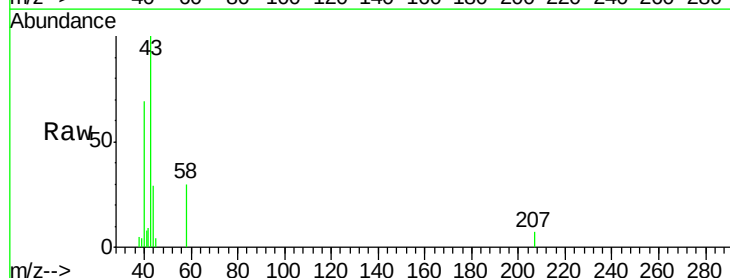
Acq: 31 Mar 2020 17:12

Tgt Ion: 43 Resp: 13316

Ion Ratio Lower Upper

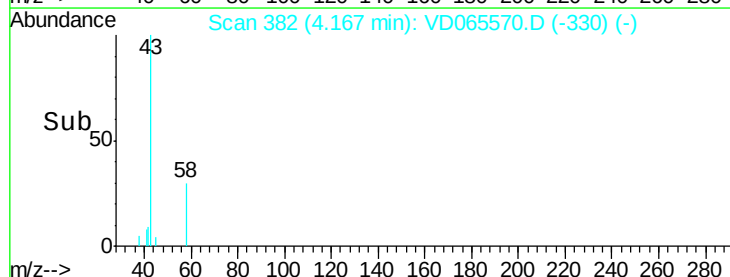
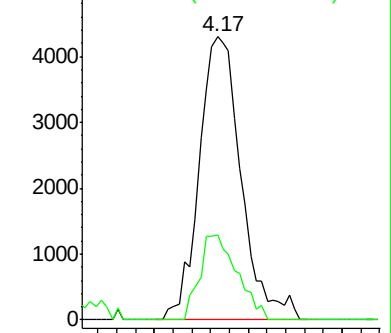
43 100

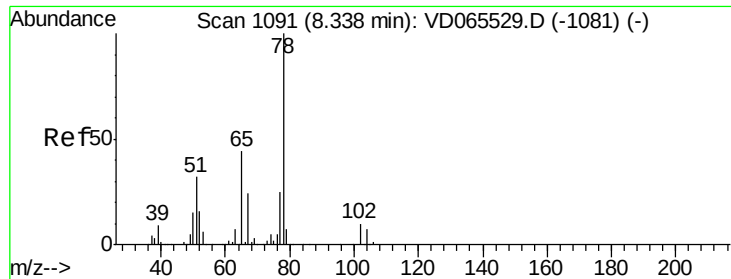
58 29.9 27.9 41.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

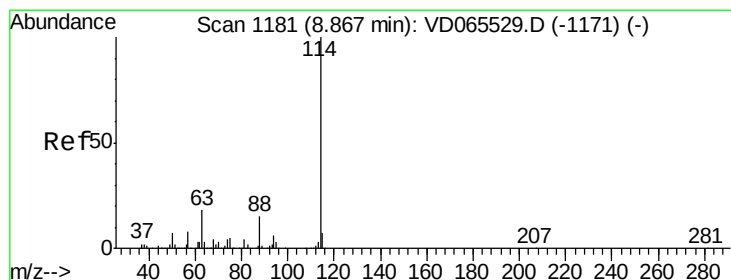
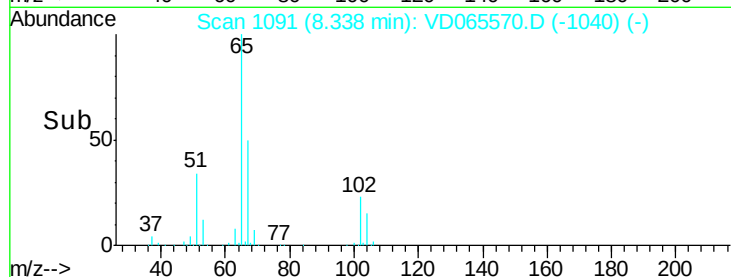
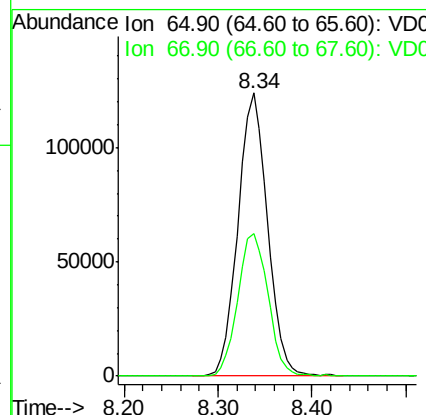
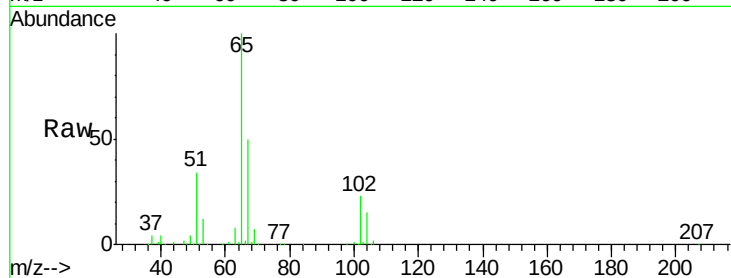




#33
 1,2-Dichloroethane-d4
 Concen: 64.062 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065570.D
 Acq: 31 Mar 2020 17:12

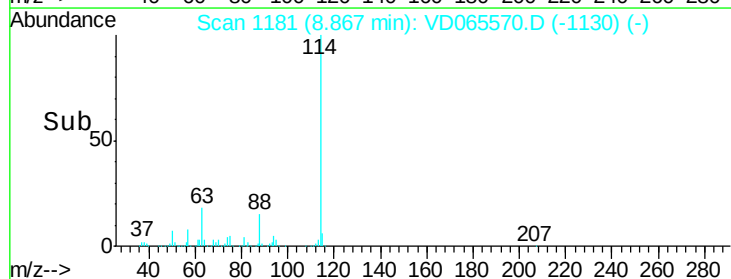
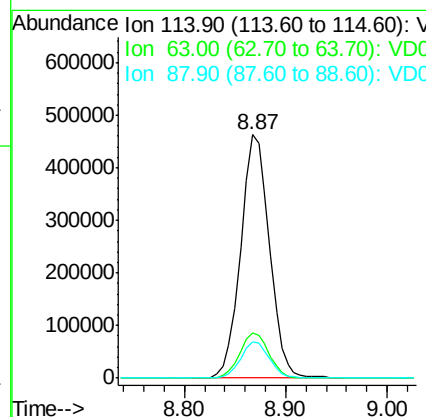
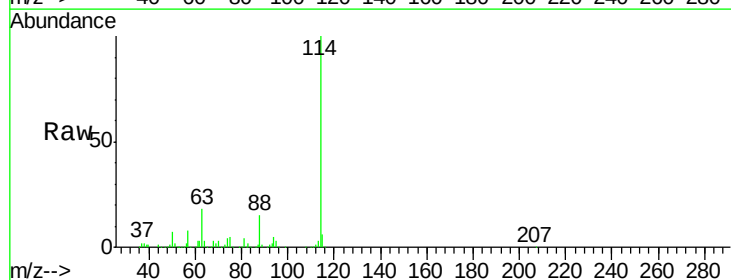
Instrument :
 MSVOA_D
 ClientSampleId :
 OR-03-033020RE

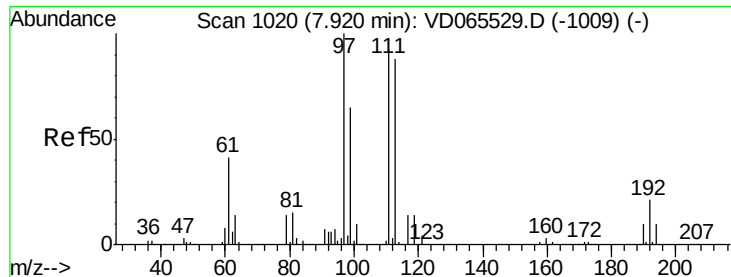
Tot Ion: 65 Resp: 269893
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065570.D
 Acq: 31 Mar 2020 17:12

Tgt Ion: 114 Resp: 912979
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 37.0
 88 14.8 0.0 30.4





#35

Dibromofluoromethane

Concen: 53.761 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD065570.D

Acq: 31 Mar 2020 17:12

Instrument :

MSVOA_D

ClientSampleId :

OR-03-033020RE

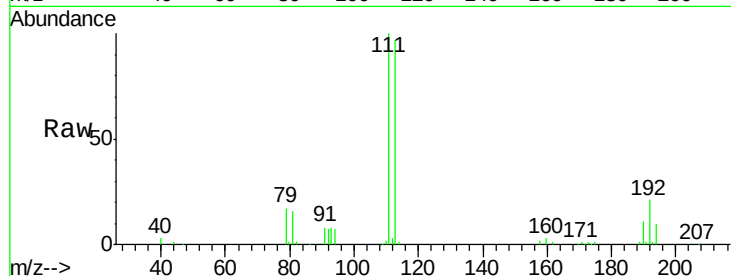
Tot Ion:113 Resp: 302961

Ion Ratio Lower Upper

113 100

111 103.6 83.3 124.9

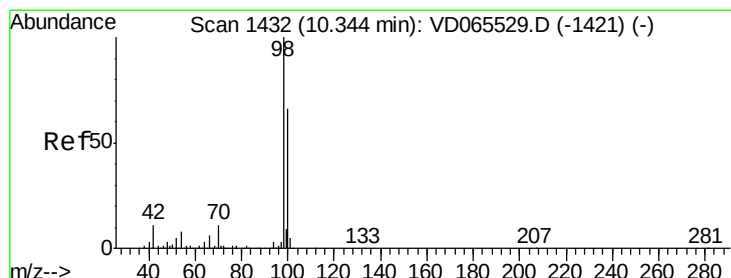
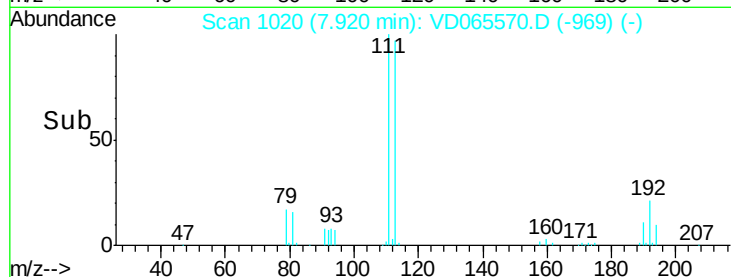
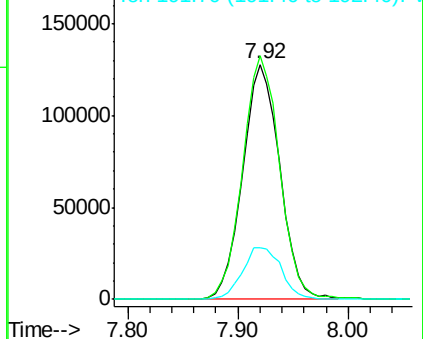
192 23.2 18.5 27.7



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: 53.268 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065570.D

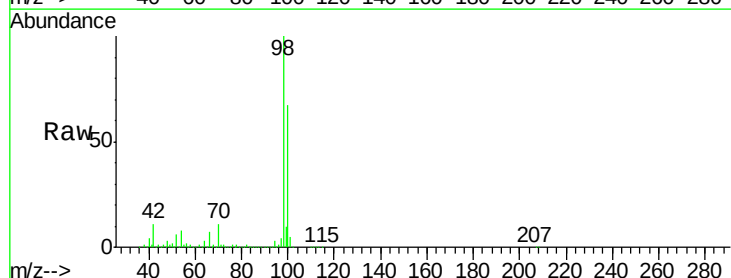
Acq: 31 Mar 2020 17:12

Tgt Ion: 98 Resp: 1126964

Ion Ratio Lower Upper

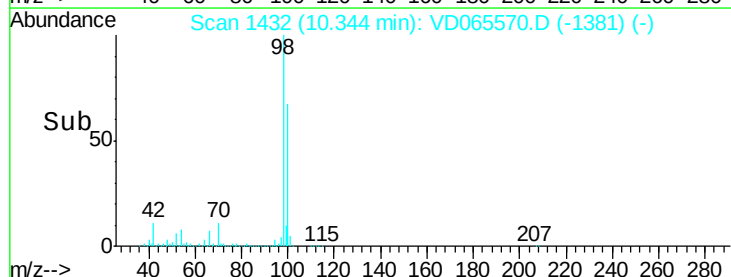
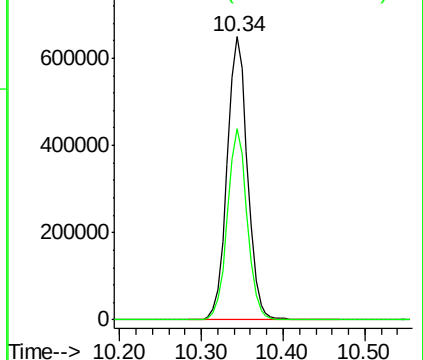
98 100

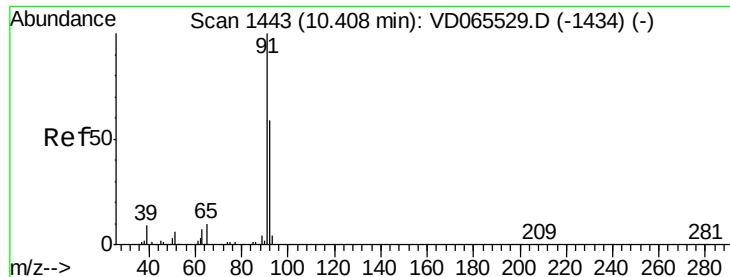
100 65.5 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#52

Toluene

Concen: 1.993 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD065570.D

Acq: 31 Mar 2020 17:12

Instrument :

MSVOA_D

ClientSampleId :

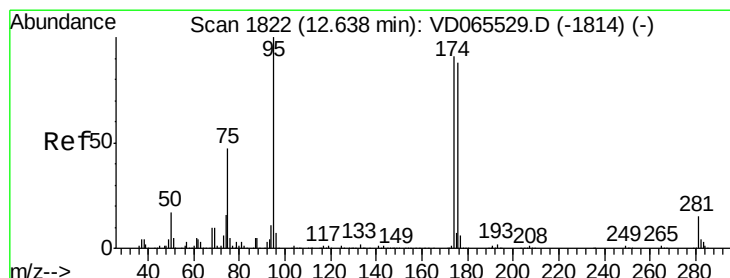
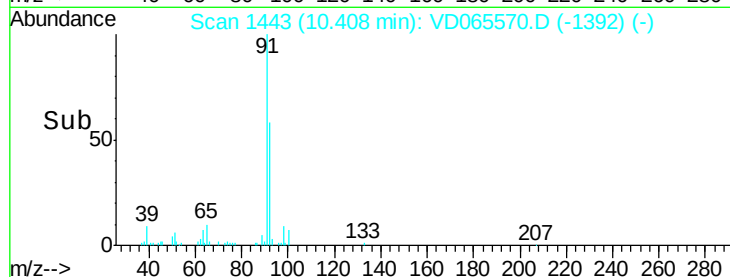
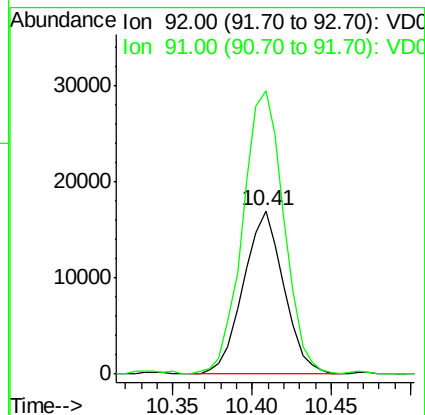
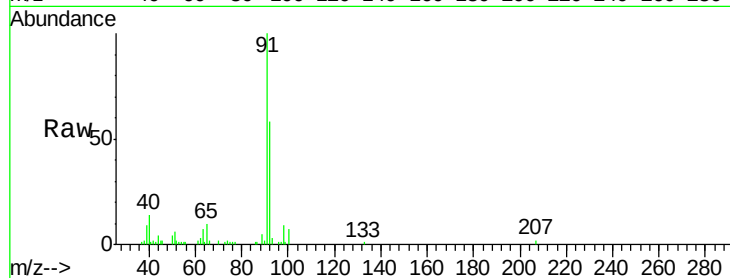
OR-03-033020RE

Tot Ion: 92 Resp: 30048

Ion Ratio Lower Upper

92 100

91 176.9 137.3 205.9



#62

4-Bromofluorobenzene

Concen: 58.045 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD065570.D

Acq: 31 Mar 2020 17:12

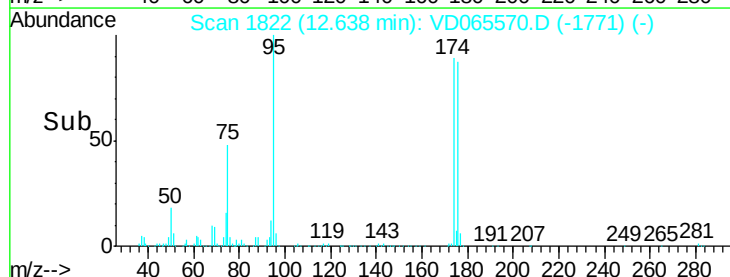
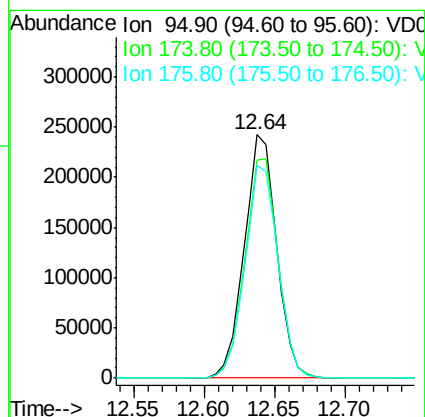
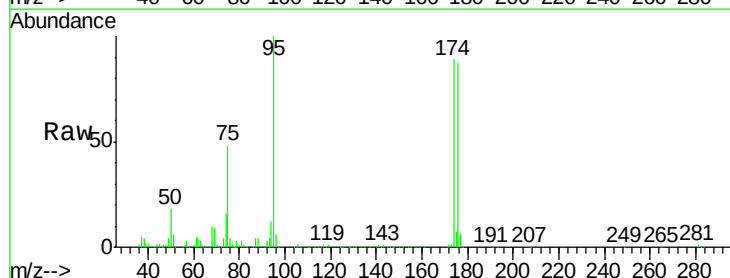
Tgt Ion: 95 Resp: 389769

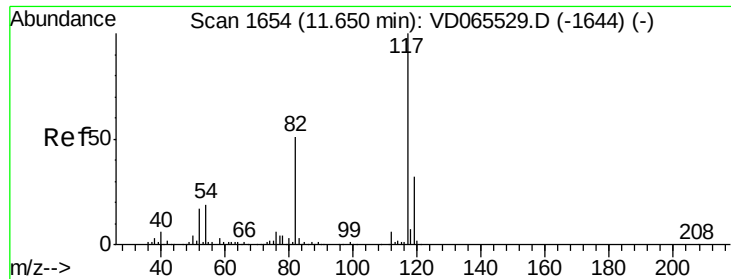
Ion Ratio Lower Upper

95 100

174 92.9 0.0 183.8

176 89.3 0.0 178.2

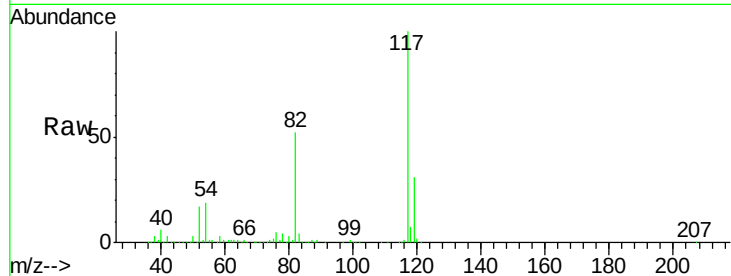




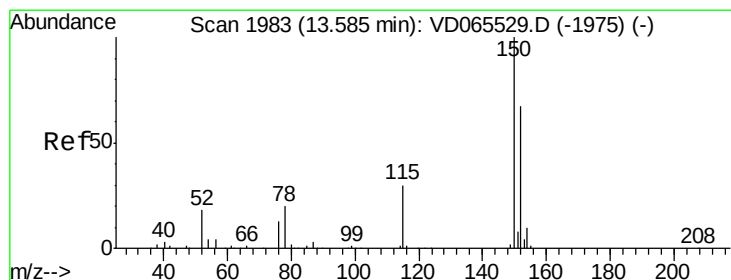
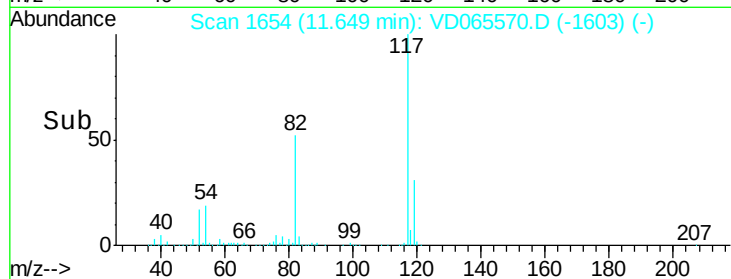
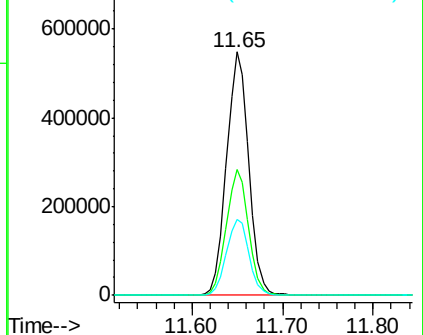
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065570.D
Acq: 31 Mar 2020 17:12

Instrument :
MSVOA_D
ClientSampleId :
OR-03-033020RE

Tot Ion:117 Resp: 932036
Ion Ratio Lower Upper
117 100
82 51.6 41.0 61.6
119 31.3 25.5 38.3

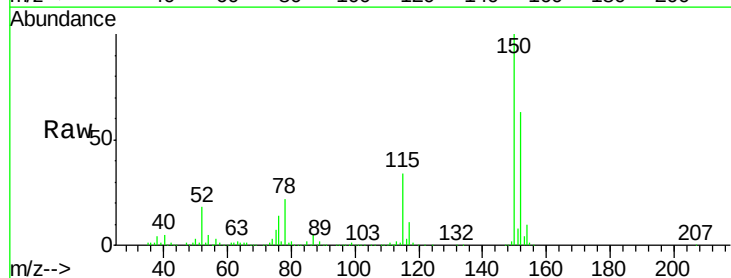


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

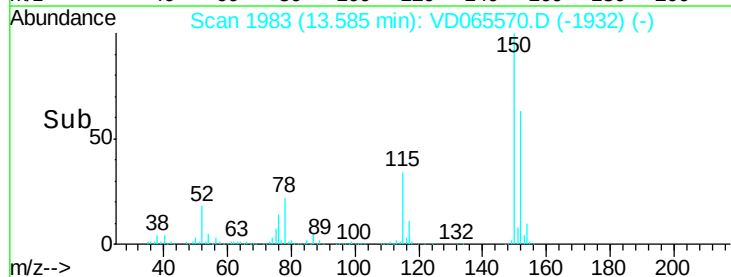
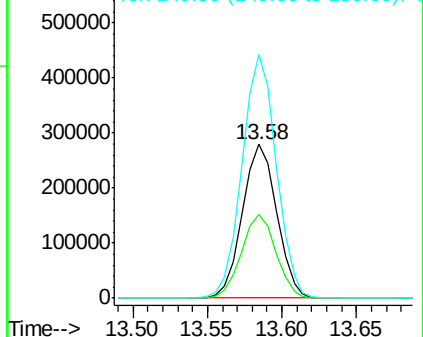


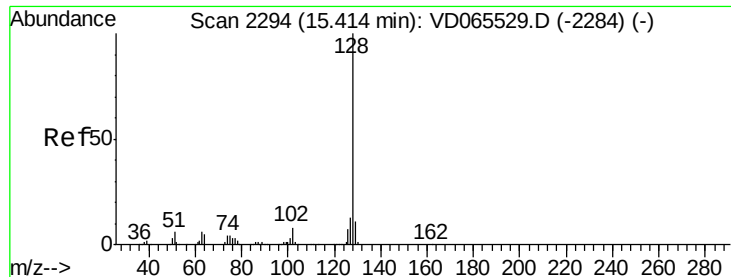
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065570.D
Acq: 31 Mar 2020 17:12

Tgt Ion:152 Resp: 445607
Ion Ratio Lower Upper
152 100
115 54.7 27.2 81.6
150 157.5 0.0 340.2



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





#95

Naphthalene

Concen: 472.226 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VD065570.D

Acq: 31 Mar 2020 17:12

Instrument :

MSVOA_D

ClientSampleId :

OR-03-033020RE

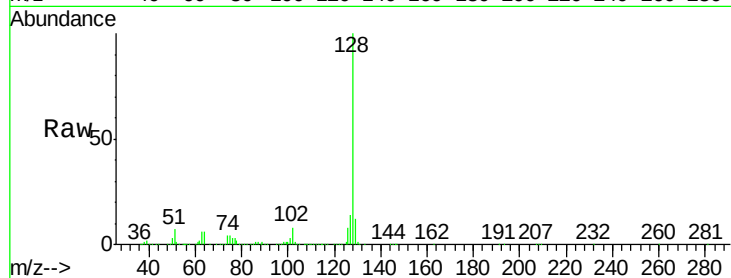
Tot Ion:128 Resp: 7049519

Ion Ratio Lower Upper

128 100

127 13.3 10.4 15.6

129 11.2 8.7 13.1



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

