

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022420\
 Data File : VD065296.D
 Acq On : 24 Feb 2020 15:56
 Operator : VA/SY
 Sample : L1635-15
 Misc : 6.07G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LIED-TS002-01

Quant Time: Feb 25 02:48:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	591643	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	985495	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	870301	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	381386	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	288130	54.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.26%	
35) Dibromofluoromethane	7.92	113	309368	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
50) Toluene-d8	10.34	98	1198180	52.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.32%	
62) 4-Bromofluorobenzene	12.64	95	344143	47.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.58%	

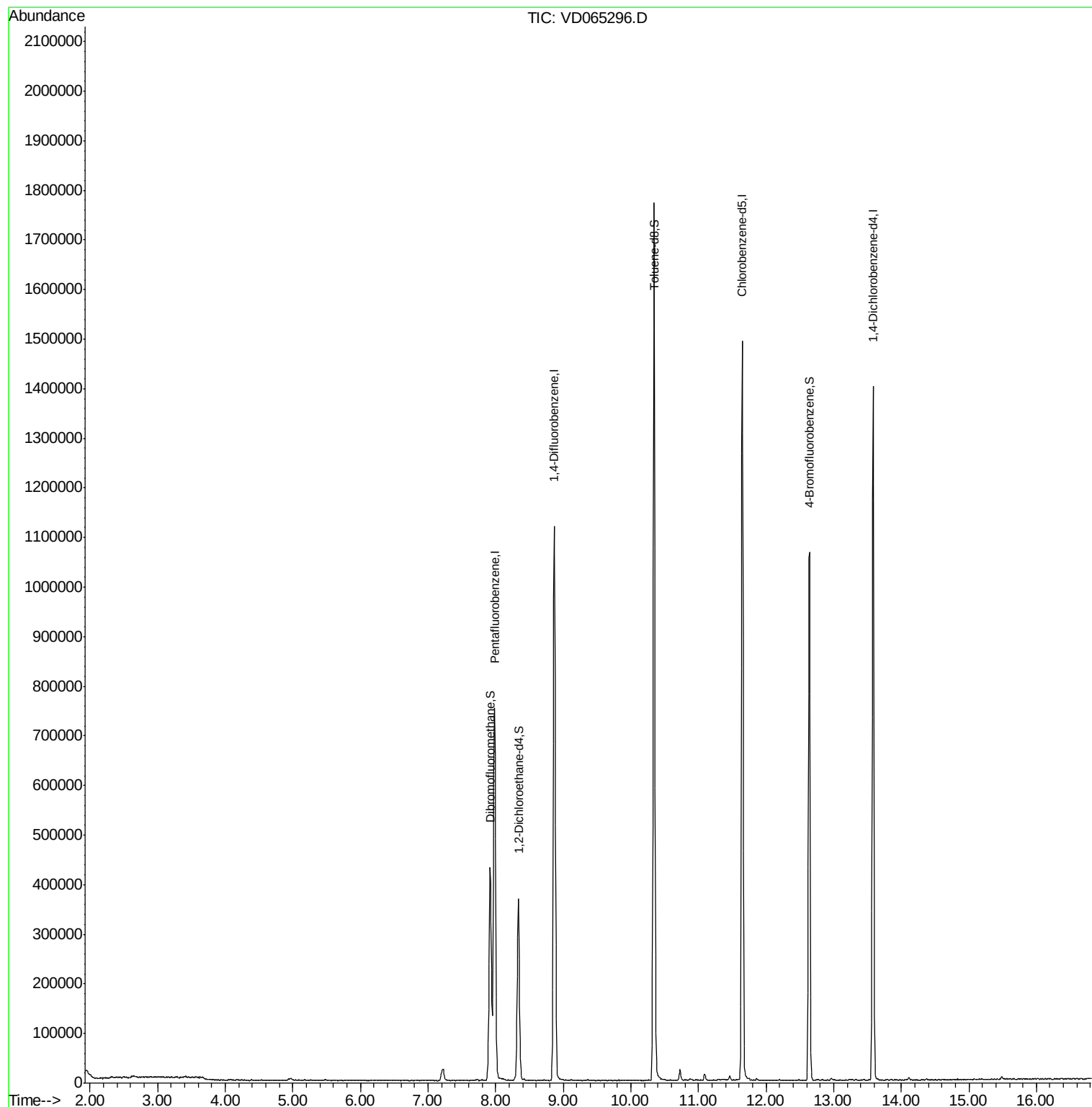
Target Compounds	Qvalue

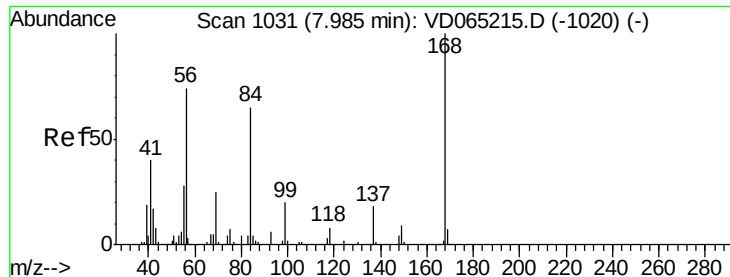
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

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ClientSampleId :

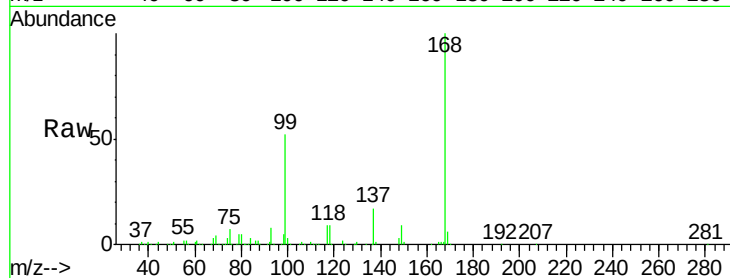
LIED-TS002-01

Tot Ion:168 Resp: 591643

Ion Ratio Lower Upper

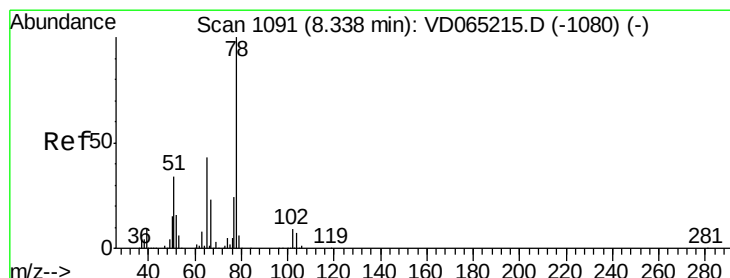
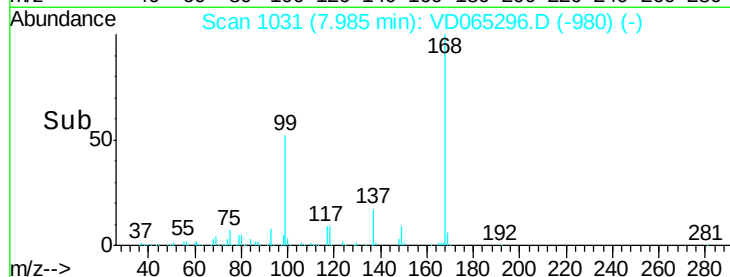
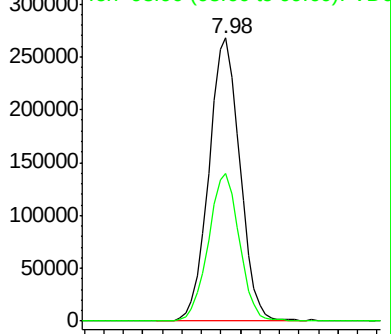
168 100

99 52.0 41.4 62.2



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: 54.134 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065296.D

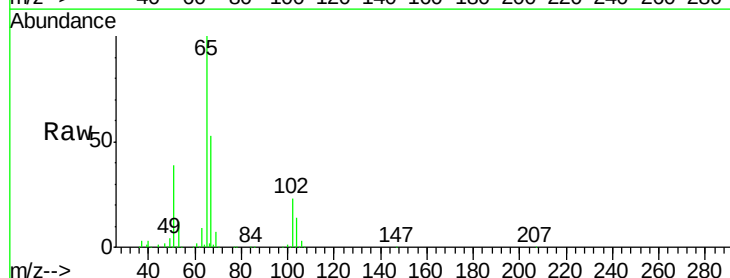
Acq: 24 Feb 2020 15:56

Tgt Ion: 65 Resp: 288130

Ion Ratio Lower Upper

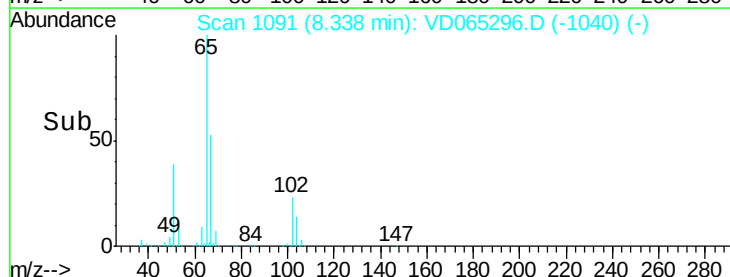
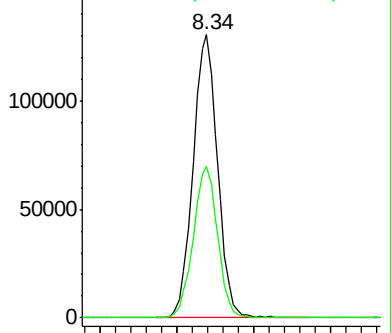
65 100

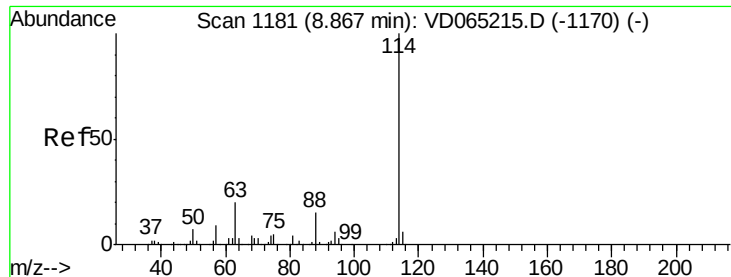
67 53.2 0.0 106.8



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: VD065296.D

Acq: 24 Feb 2020 15:56

Instrument :

MSVOA_D

ClientSampleId :

LIED-TS002-01

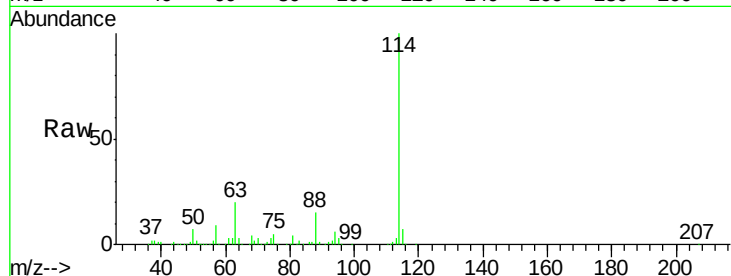
Tot Ion:114 Resp: 985495

Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.4

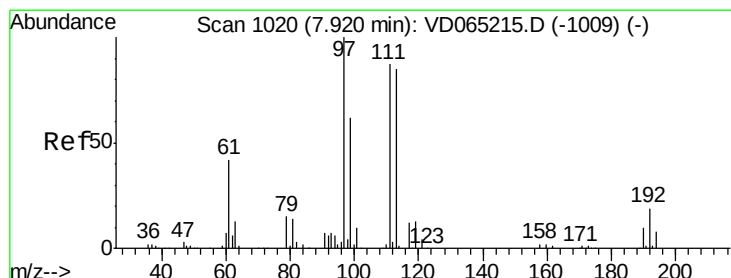
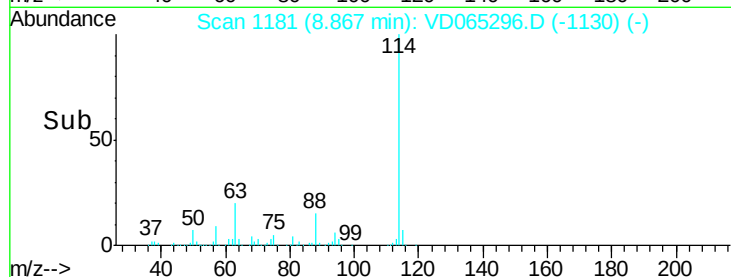
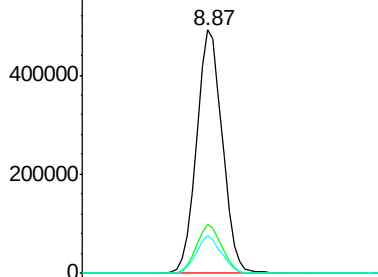
88 15.3 0.0 30.4



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: 51.484 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD065296.D

Acq: 24 Feb 2020 15:56

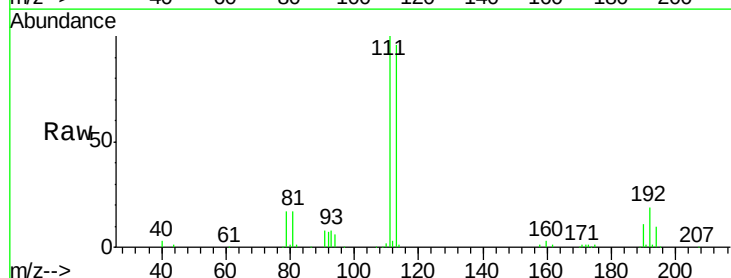
Tgt Ion:113 Resp: 309368

Ion Ratio Lower Upper

113 100

111 102.0 82.9 124.3

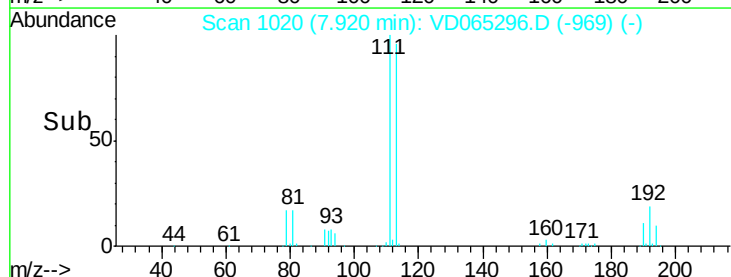
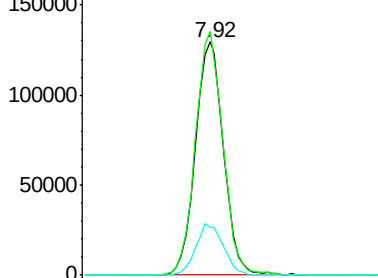
192 21.6 17.3 25.9

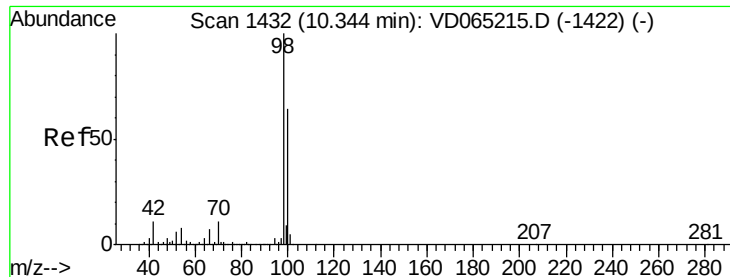


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

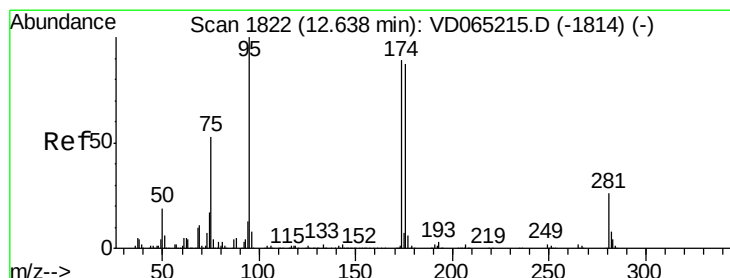
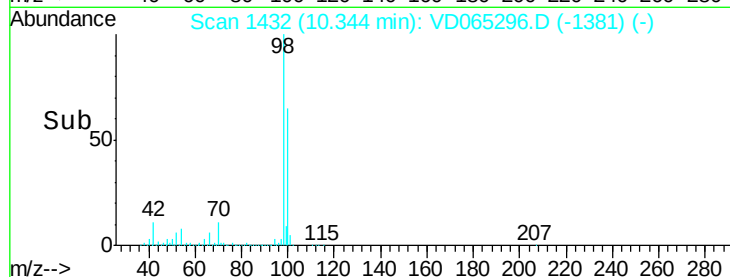
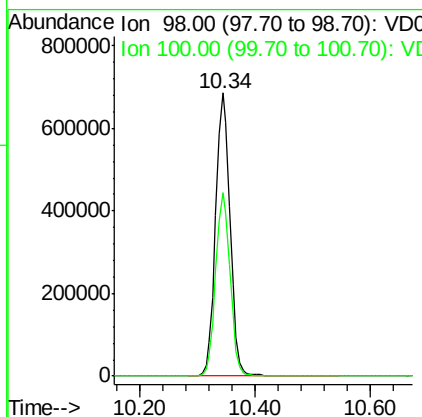
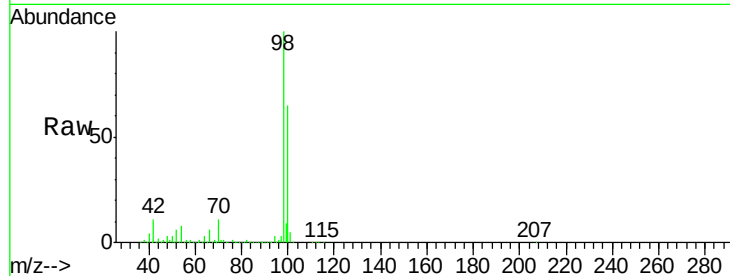




#50
Toluene-d8
Concen: 52.159 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065296.D
Acq: 24 Feb 2020 15:56

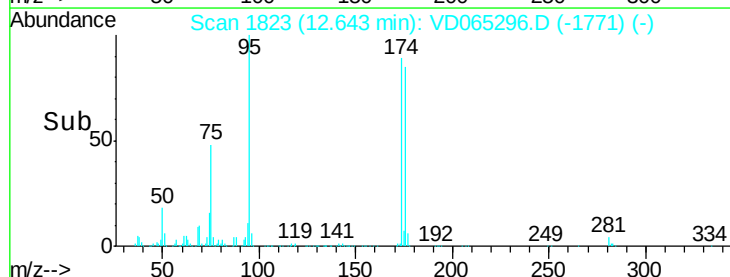
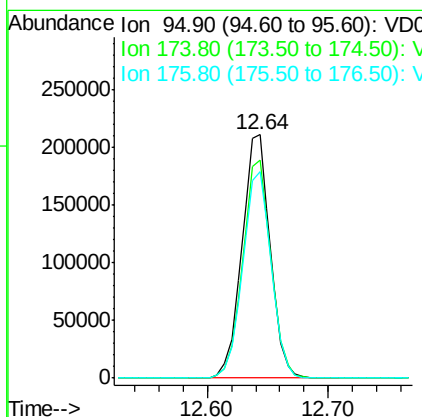
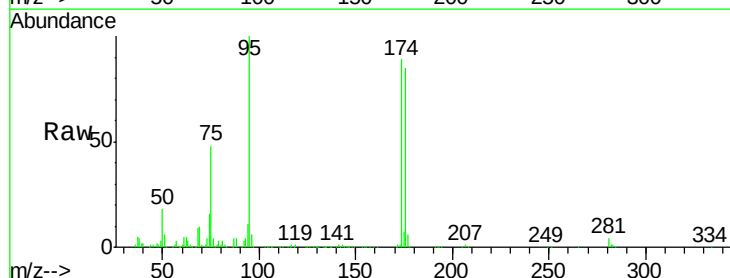
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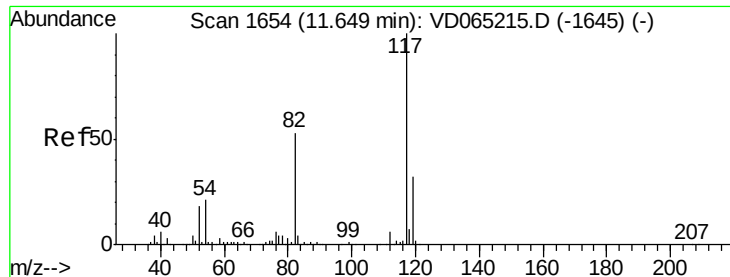
Tot Ion: 98 Resp: 1198180
Ion Ratio Lower Upper
98 100
100 64.7 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 47.290 ug/l
RT: 12.64 min Scan# 1823
Delta R.T. 0.01 min
Lab File: VD065296.D
Acq: 24 Feb 2020 15:56

Tgt Ion: 95 Resp: 344143
Ion Ratio Lower Upper
95 100
174 89.4 0.0 178.0
176 85.6 0.0 174.4

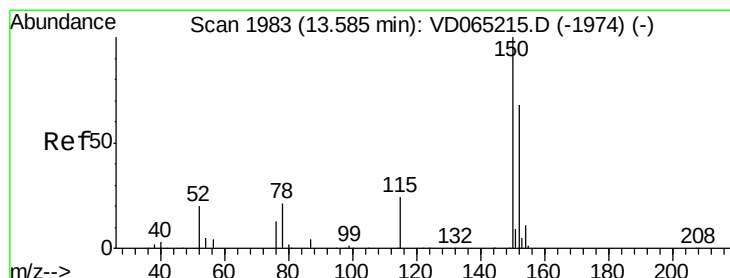
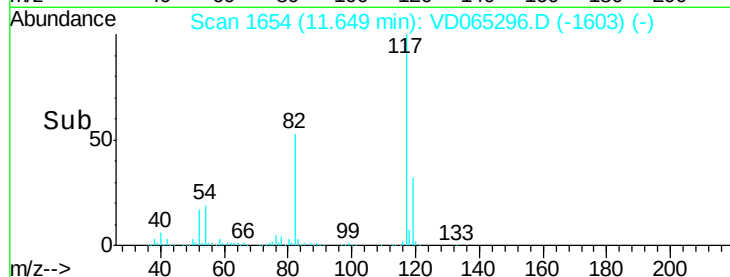
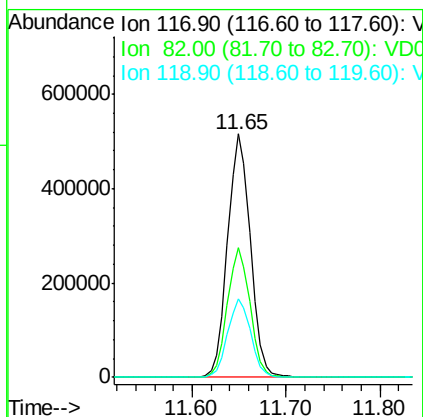
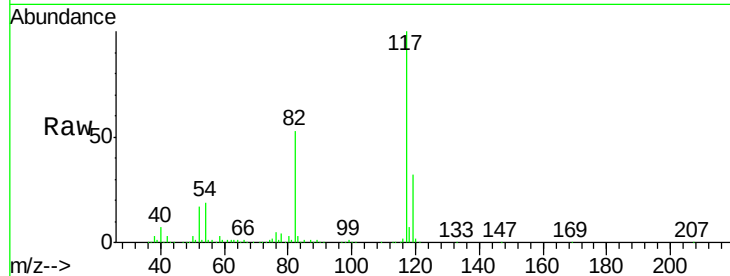




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065296.D
Acq: 24 Feb 2020 15:56

Instrument :
MSVOA_D
ClientSampleId :
LIED-TS002-01

Tot Ion:117 Resp: 870301
Ion Ratio Lower Upper
117 100
82 53.1 42.7 64.1
119 32.4 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065296.D
Acq: 24 Feb 2020 15:56

Tgt Ion:152 Resp: 381386
Ion Ratio Lower Upper
152 100
115 55.3 27.6 82.8
150 156.2 0.0 347.4

