

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022020\
 Data File : VD065255.D
 Acq On : 20 Feb 2020 14:32
 Operator : VA/SY
 Sample : L1601-07
 Misc : 4.48G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-3

Quant Time: Feb 21 04:47:01 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

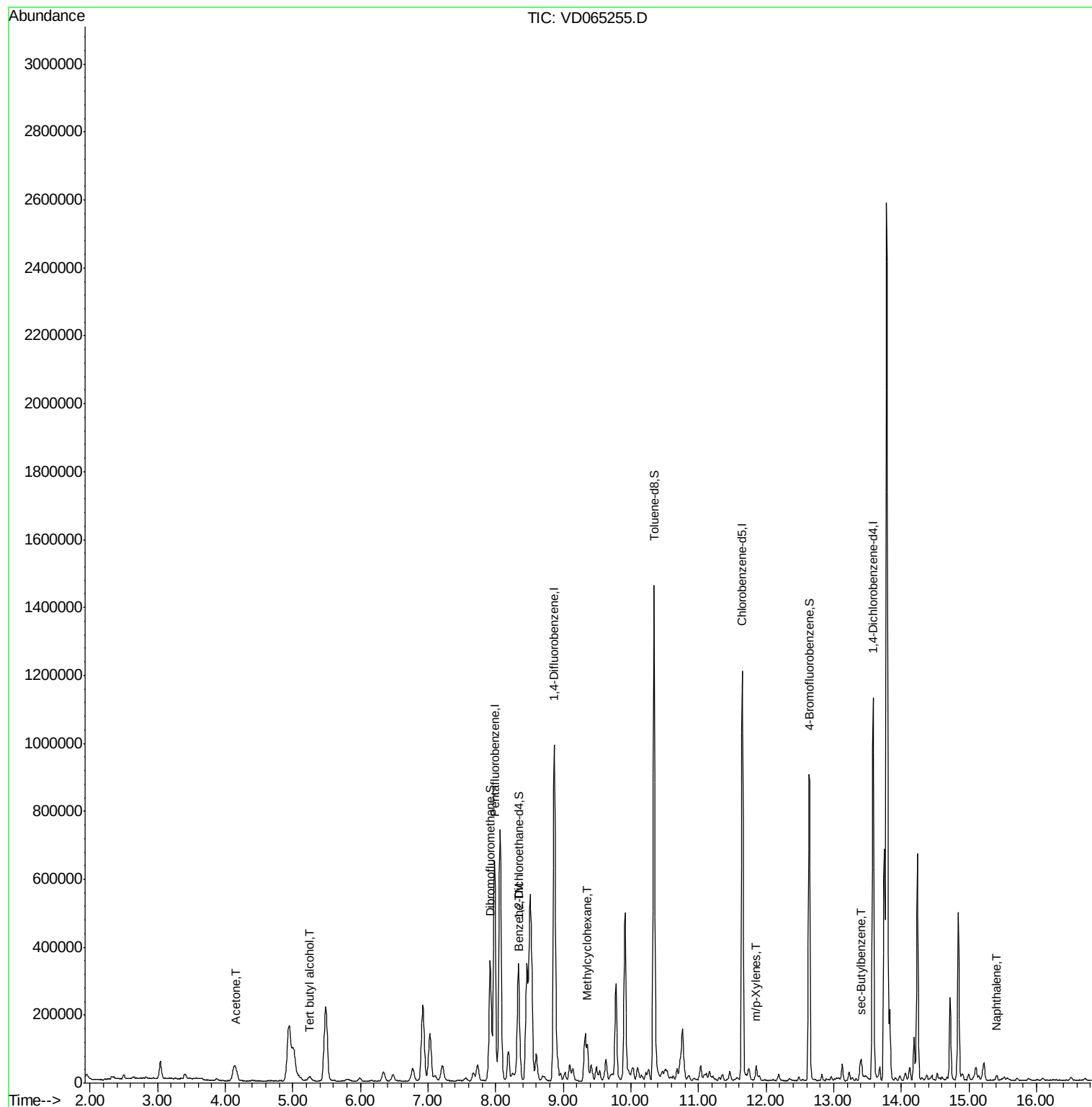
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	484095	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	785715	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	705433	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	309273	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	261254	59.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	119.98%	
35) Dibromofluoromethane	7.92	113	254833	53.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.38%	
50) Toluene-d8	10.34	98	954658	52.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.24%	
62) 4-Bromofluorobenzene	12.64	95	285348	49.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.36%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.24	59	23588	90.641	ug/l #	72
16) Acetone	4.16	43	62233	58.459	ug/l #	86
39) Methylcyclohexane	9.36	83	28201	3.138	ug/l	91
40) Benzene	8.36	78	31441	1.457	ug/l	99
68) m/p-Xylenes	11.86	106	12816	1.351	ug/l	93
85) sec-Butylbenzene	13.41	105	34252	1.682	ug/l #	63
95) Naphthalene	15.41	128	14374	1.602	ug/l	98

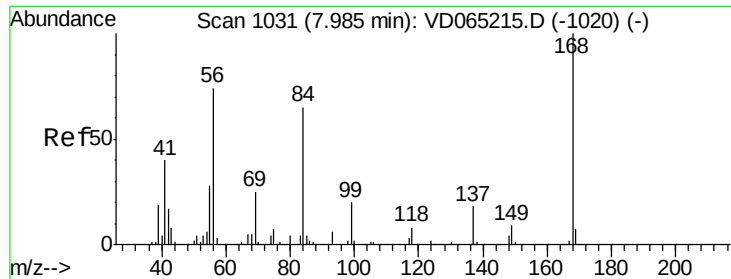
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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B-3

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:26:54 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065255.D

Acq: 20 Feb 2020 14:32

Instrument :

MSVOA_D

ClientSampleId :

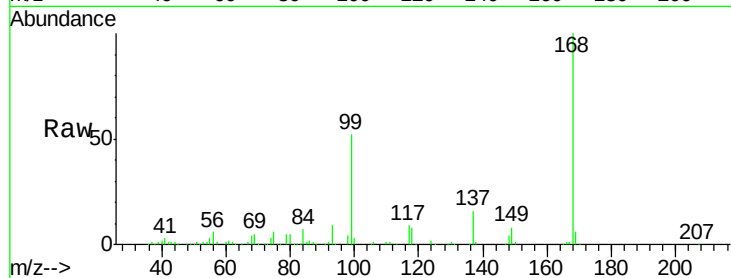
B-3

Tot Ion:168 Resp: 484095

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

7.98

250000

200000

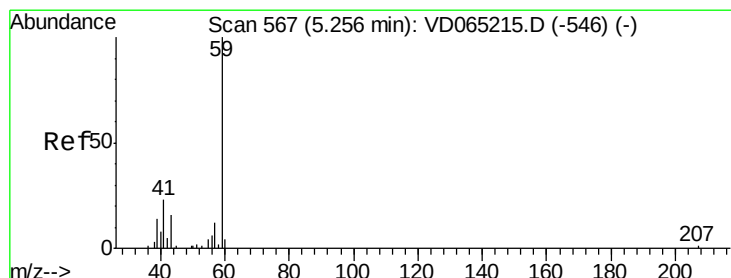
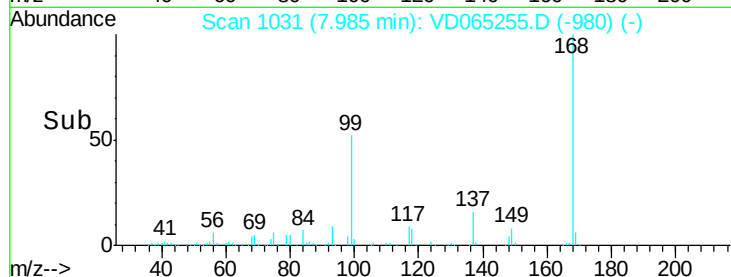
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 90.641 ug/l

RT: 5.24 min Scan# 565

Delta R.T. -0.01 min

Lab File: VD065255.D

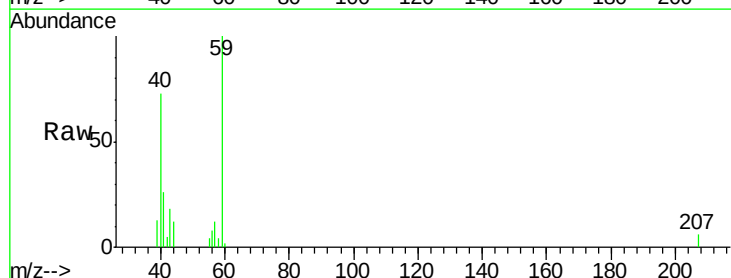
Acq: 20 Feb 2020 14:32

Tgt Ion: 59 Resp: 23588

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

8000

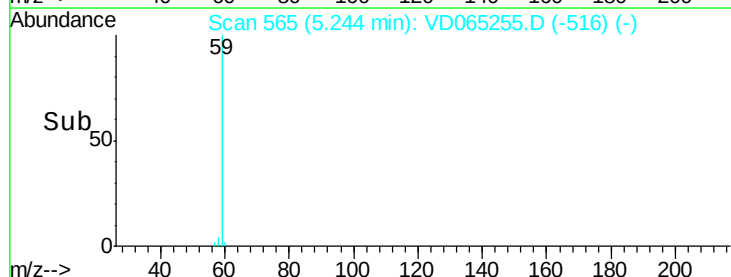
6000

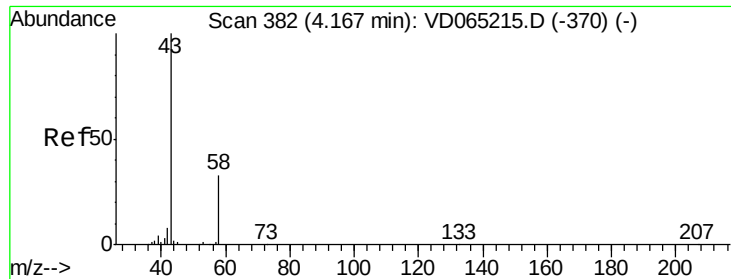
4000

2000

0

Time-->





#16

Acetone

Concen: 58.459 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD065255.D

Acq: 20 Feb 2020 14:32

Instrument :

MSVOA_D

ClientSampleId :

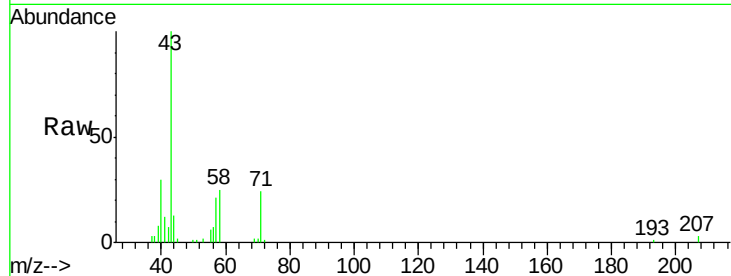
B-3

Tot Ion: 43 Resp: 62233

Ion Ratio Lower Upper

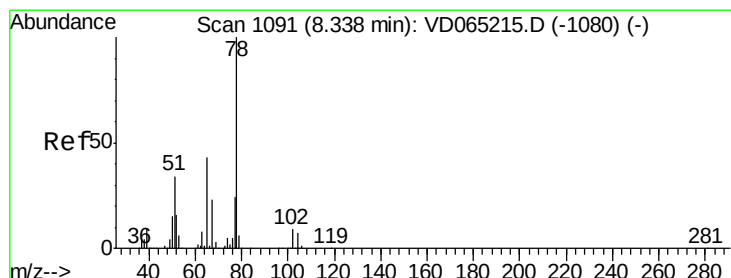
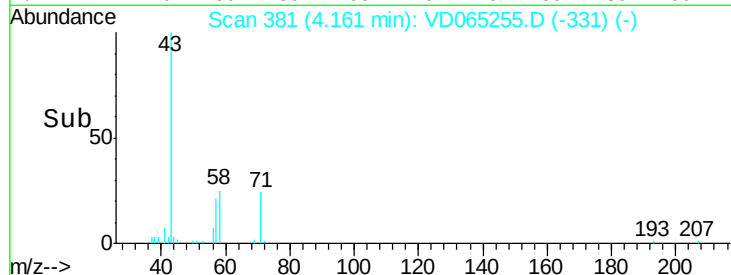
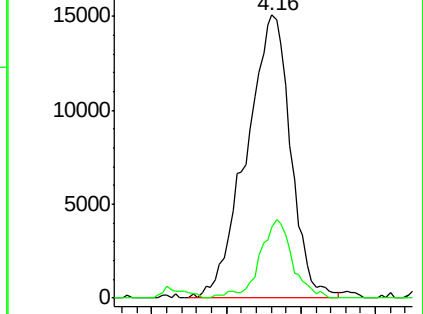
43 100

58 25.0 26.2 39.2#



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: 59.990 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065255.D

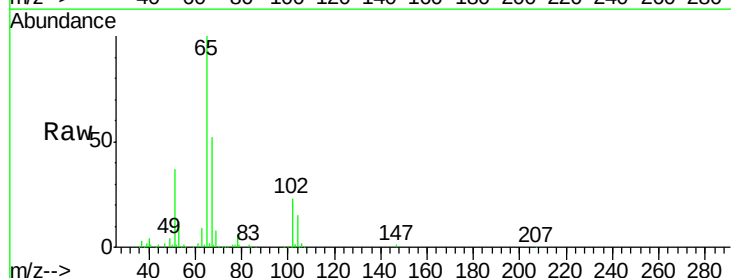
Acq: 20 Feb 2020 14:32

Tgt Ion: 65 Resp: 261254

Ion Ratio Lower Upper

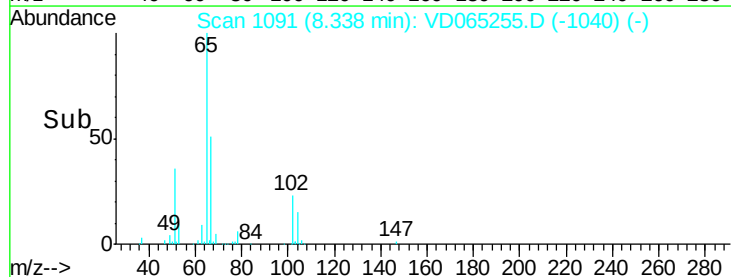
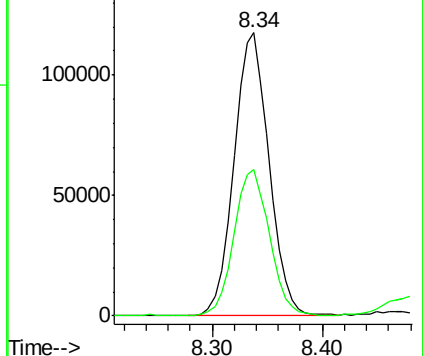
65 100

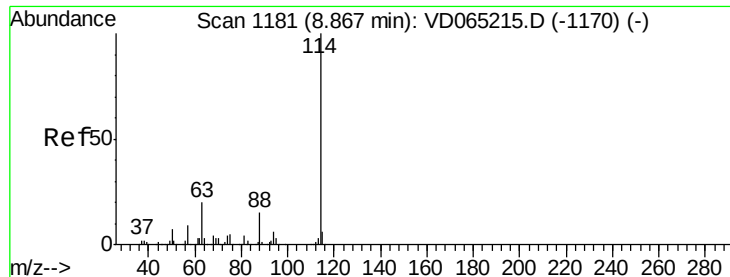
67 52.8 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

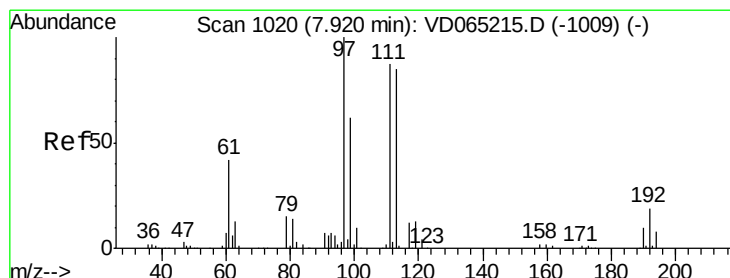
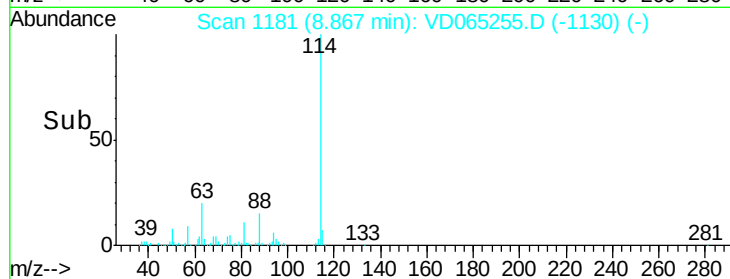
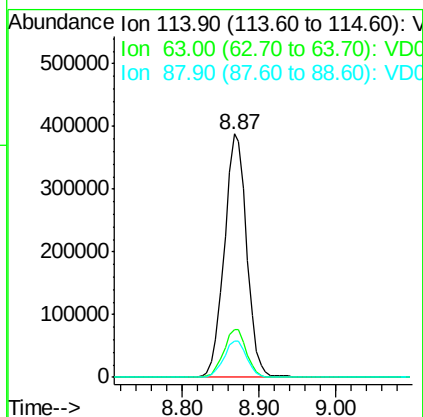
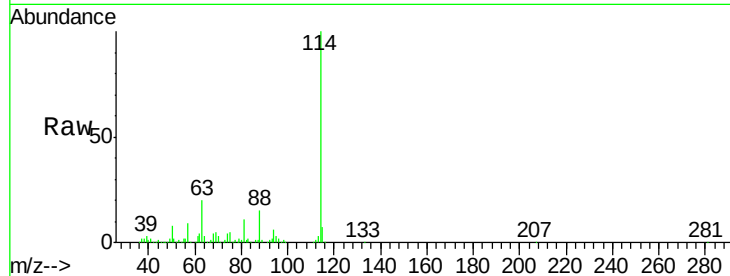




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065255.D
 Acq: 20 Feb 2020 14:32

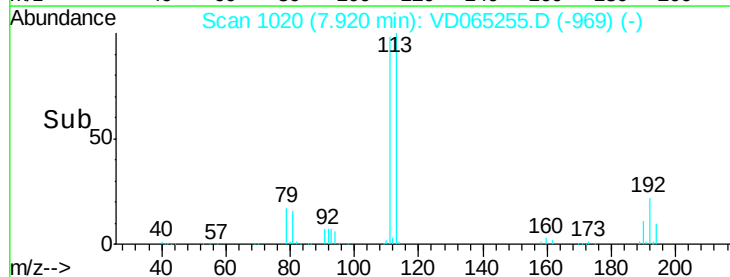
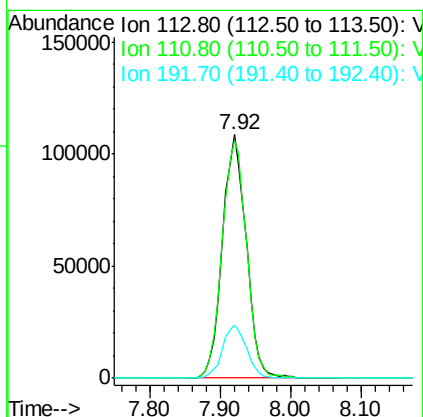
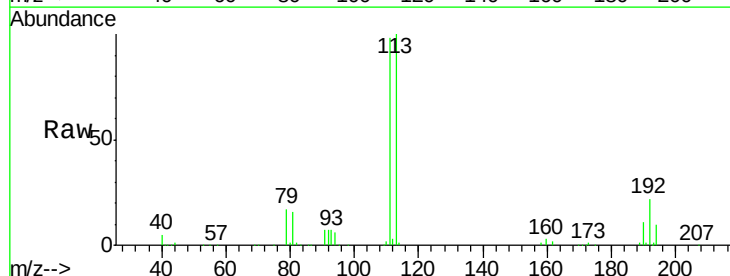
Instrument :
 MSVOA_D
 ClientSampled :
 B-3

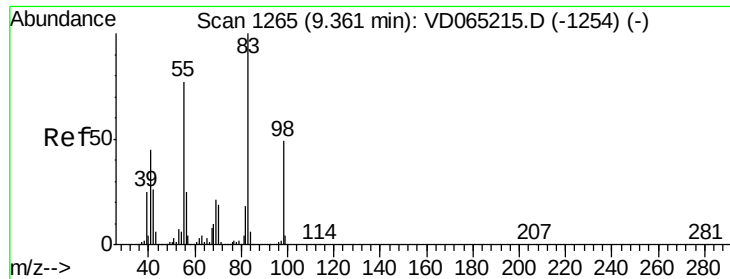
Tot Ion:114 Resp: 785715
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.4
 88 14.8 0.0 30.4



#35
 Dibromofluoromethane
 Concen: 53.192 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065255.D
 Acq: 20 Feb 2020 14:32

Tgt Ion:113 Resp: 254833
 Ion Ratio Lower Upper
 113 100
 111 100.4 82.9 124.3
 192 21.6 17.3 25.9

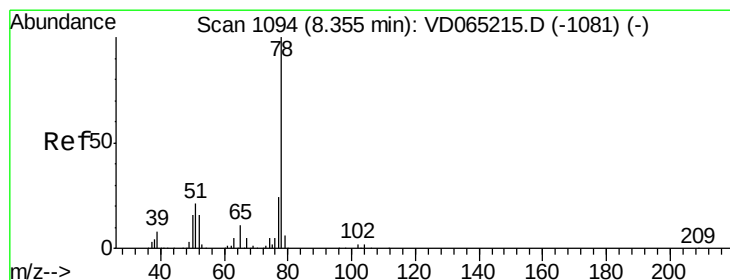
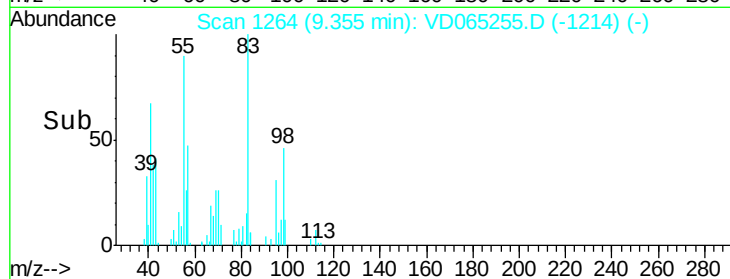
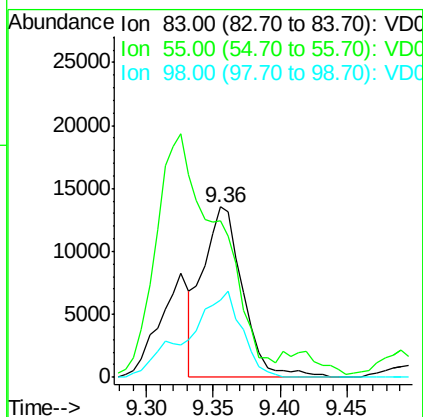
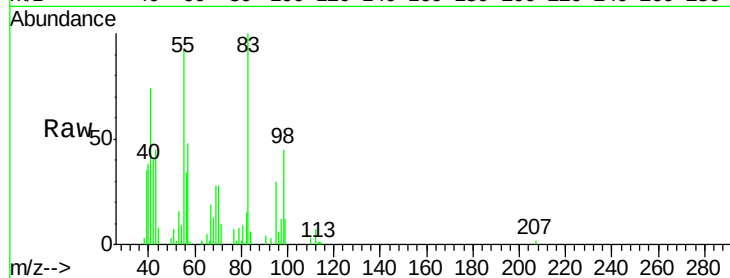




#39
Methylvlcyclohexane
Concen: 3.138 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065255.D
Acq: 20 Feb 2020 14:32

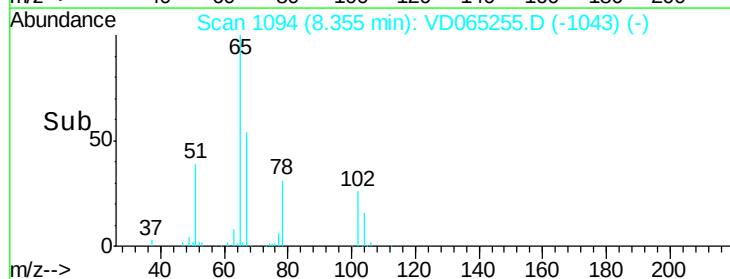
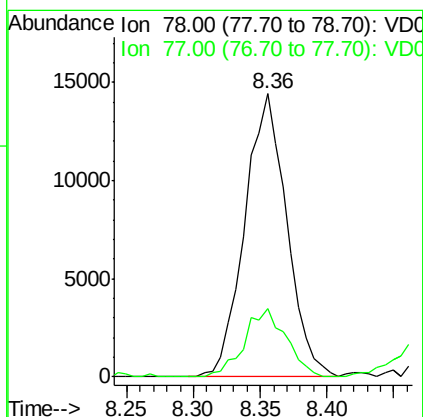
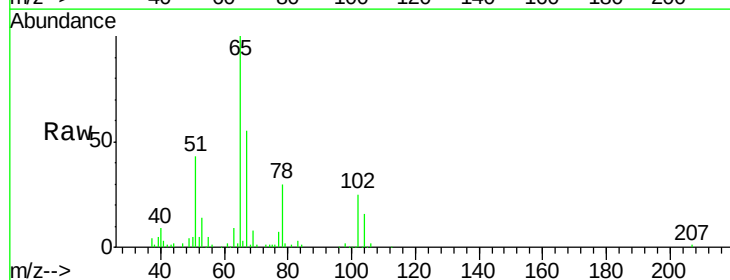
Instrument :
MSVOA_D
ClientSampleId :
B-3

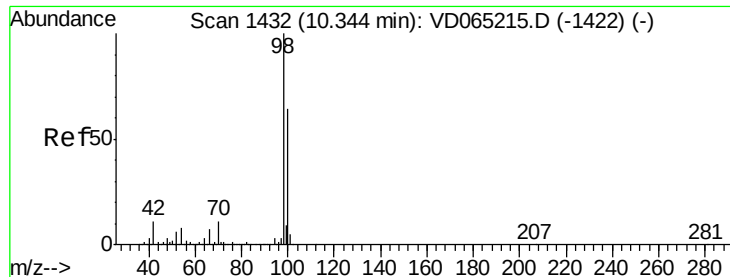
Tot Ion: 83 Resp: 28201
Ion Ratio Lower Upper
83 100
55 87.1 61.8 92.6
98 45.2 39.4 59.0



#40
Benzene
Concen: 1.457 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065255.D
Acq: 20 Feb 2020 14:32

Tgt Ion: 78 Resp: 31441
Ion Ratio Lower Upper
78 100
77 24.1 19.0 28.6





#50

Toluene-d8

Concen: 52.125 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065255.D

Acq: 20 Feb 2020 14:32

Instrument :

MSVOA_D

ClientSampleId :

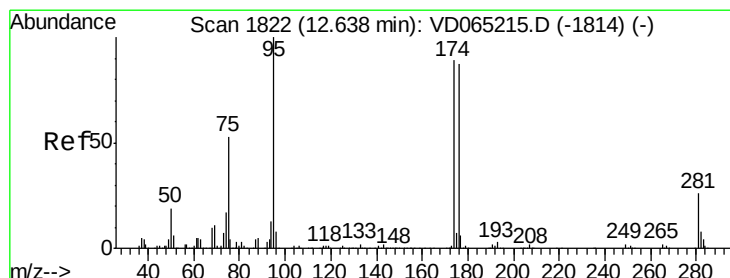
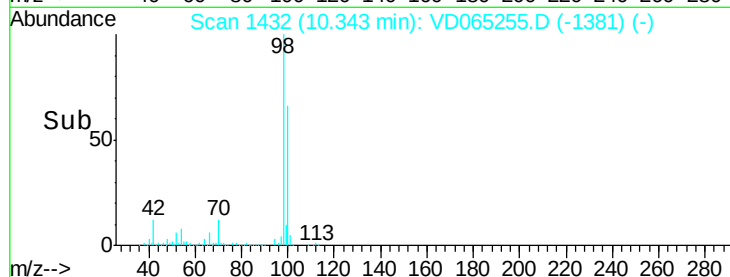
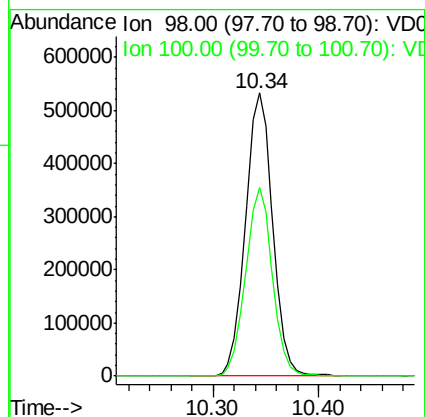
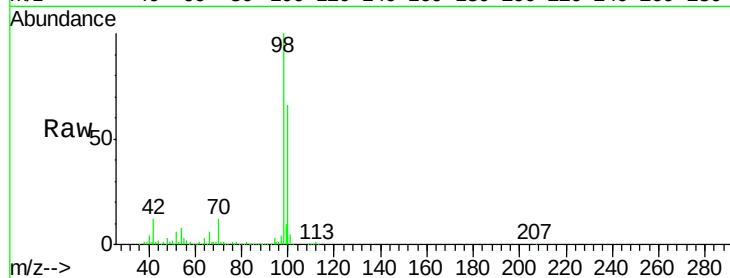
B-3

Tot Ion: 98 Resp: 954658

Ion Ratio Lower Upper

98 100

100 65.6 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 49.181 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD065255.D

Acq: 20 Feb 2020 14:32

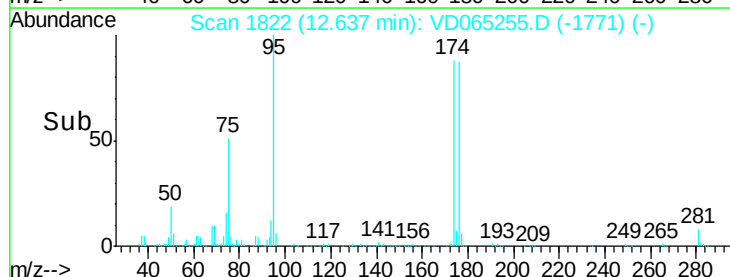
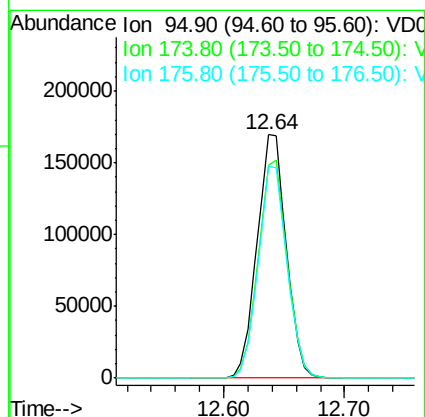
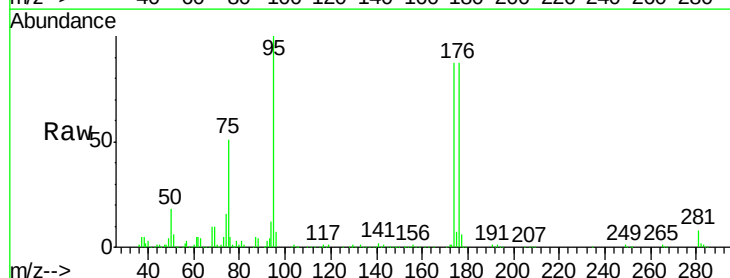
Tgt Ion: 95 Resp: 285348

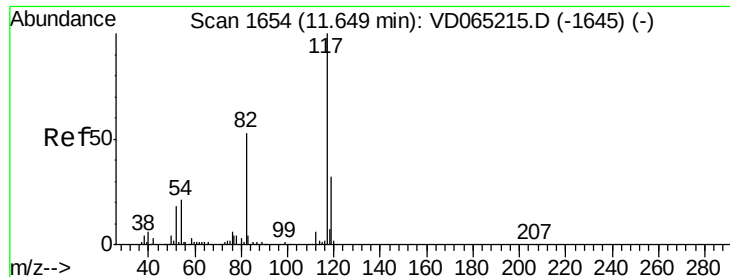
Ion Ratio Lower Upper

95 100

174 88.9 0.0 178.0

176 86.0 0.0 174.4

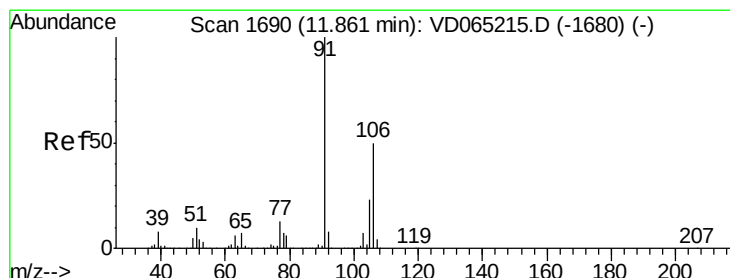
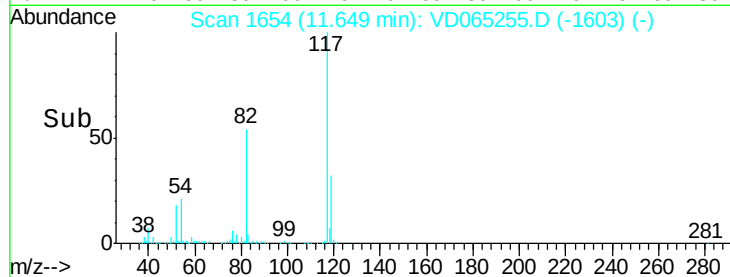
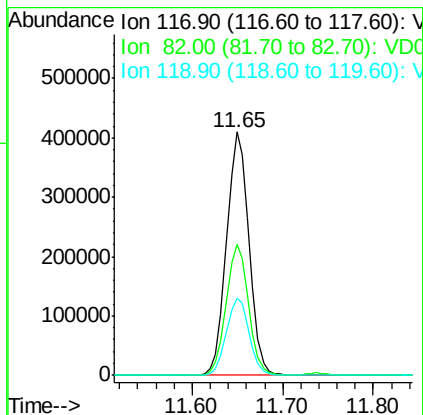
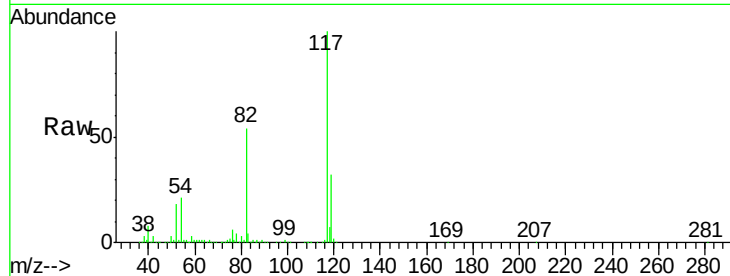




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065255.D
Acq: 20 Feb 2020 14:32

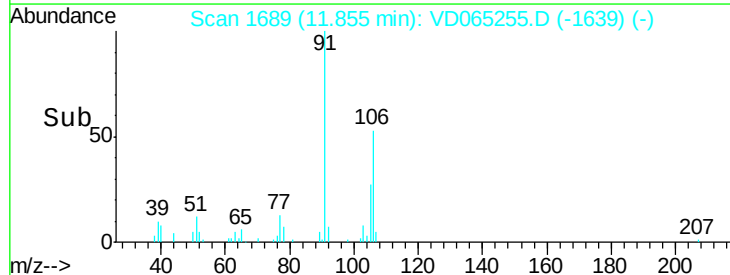
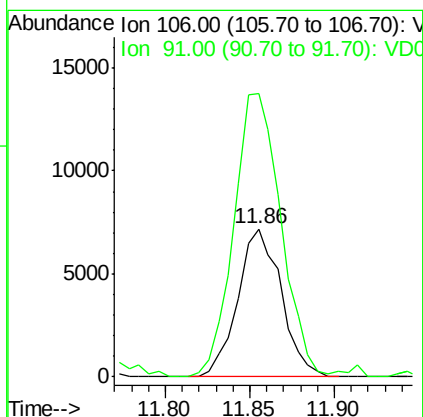
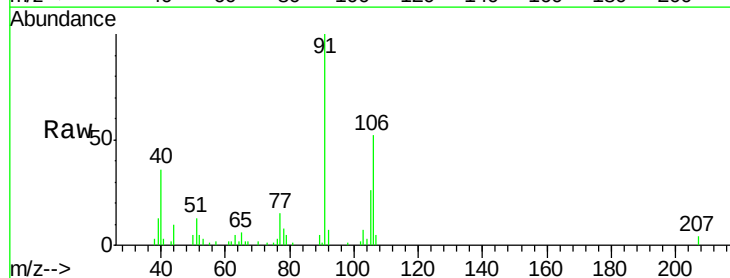
Instrument :
MSVOA_D
ClientSampleId :
B-3

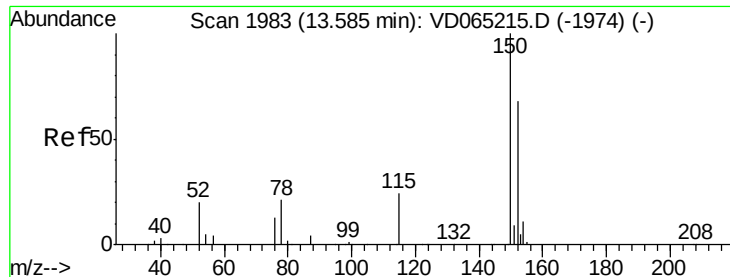
Tot Ion:117 Resp: 705433
Ion Ratio Lower Upper
117 100
82 53.8 42.7 64.1
119 31.6 25.5 38.3



#68
m/p-Xylenes
Concen: 1.351 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VD065255.D
Acq: 20 Feb 2020 14:32

Tgt Ion:106 Resp: 12816
Ion Ratio Lower Upper
106 100
91 208.2 158.2 237.4



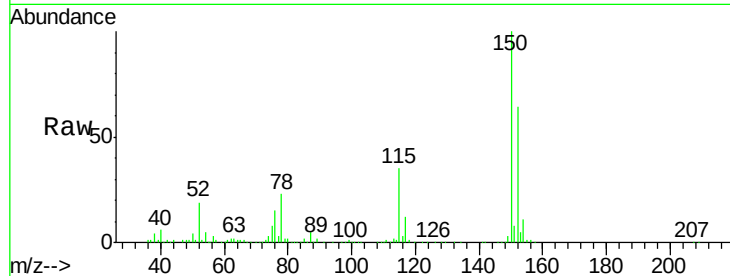


#72

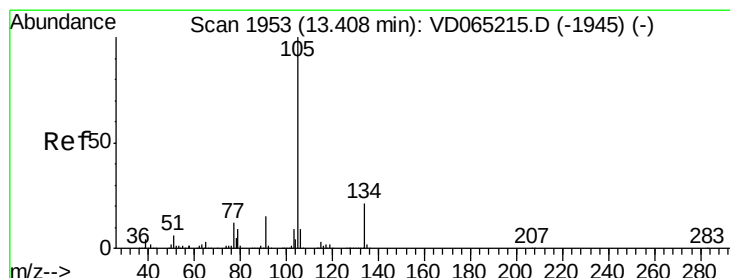
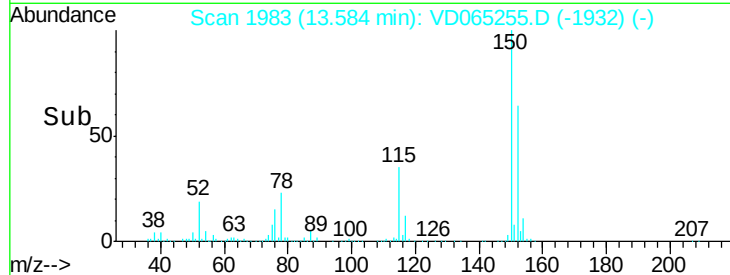
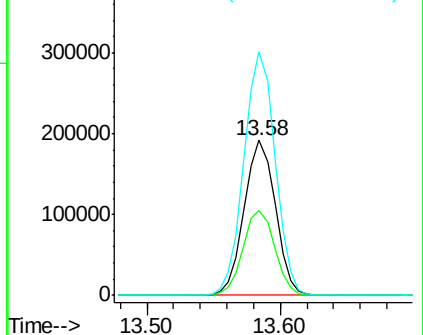
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065255.D
Acq: 20 Feb 2020 14:32

Instrument :
MSVOA_D
ClientSampled :
B-3

Tot Ion	Ratio	Lower	Upper
152	100		
115	56.0	27.6	82.8
150	158.0	0.0	347.4



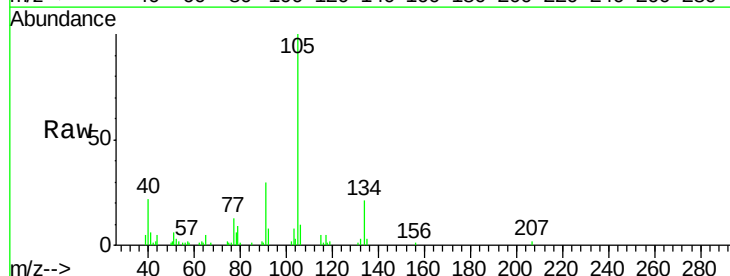
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



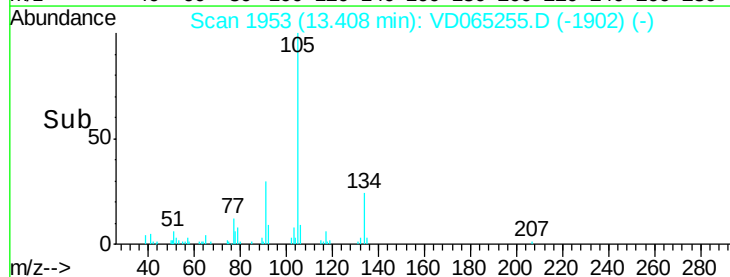
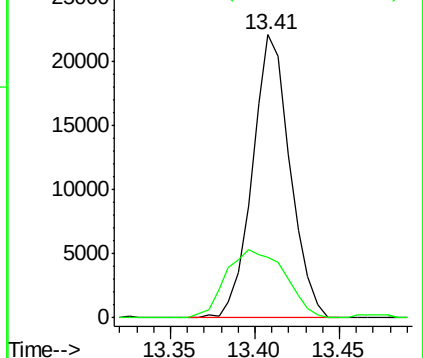
#85

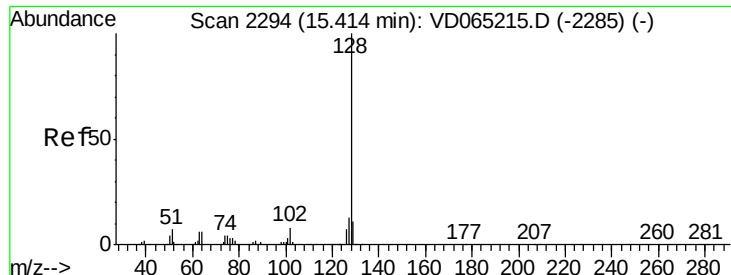
sec-Butylbenzene
Concen: 1.682 ug/l
RT: 13.41 min Scan# 1953
Delta R.T. -0.00 min
Lab File: VD065255.D
Acq: 20 Feb 2020 14:32

Tgt Ion	Ratio	Lower	Upper
105	100		
134	37.8	10.3	30.9



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 134.00 (133.70 to 134.70): V





#95

Naphthalene

Concen: 1.602 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VD065255.D

Acq: 20 Feb 2020 14:32

Instrument :

MSVOA_D

ClientSampleId :

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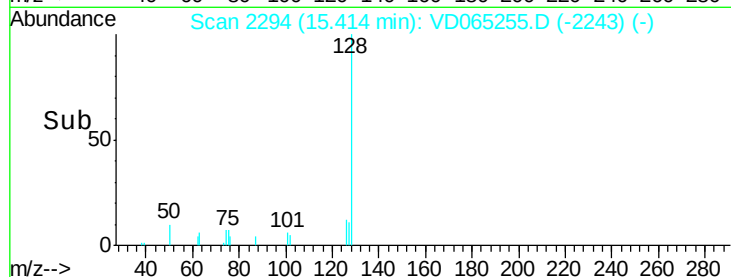
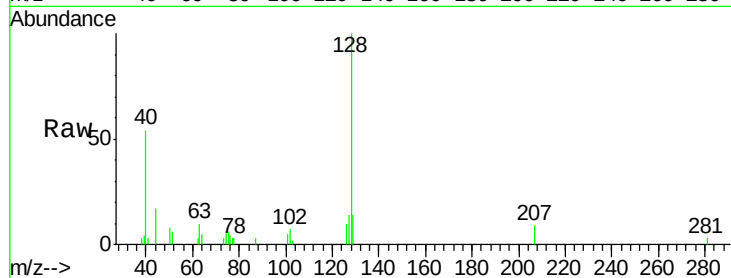
Tot Ion:128 Resp: 14374

Ion Ratio Lower Upper

128 100

127 12.5 10.3 15.5

129 12.7 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

