

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082019\
 Data File : VD063682.D
 Acq On : 20 Aug 2019 14:06
 Operator : JC/SY
 Sample : K4385-15RE
 Misc : 5.31g/5ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 T8-C-(2)RE

Quant Time: Aug 21 04:07:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

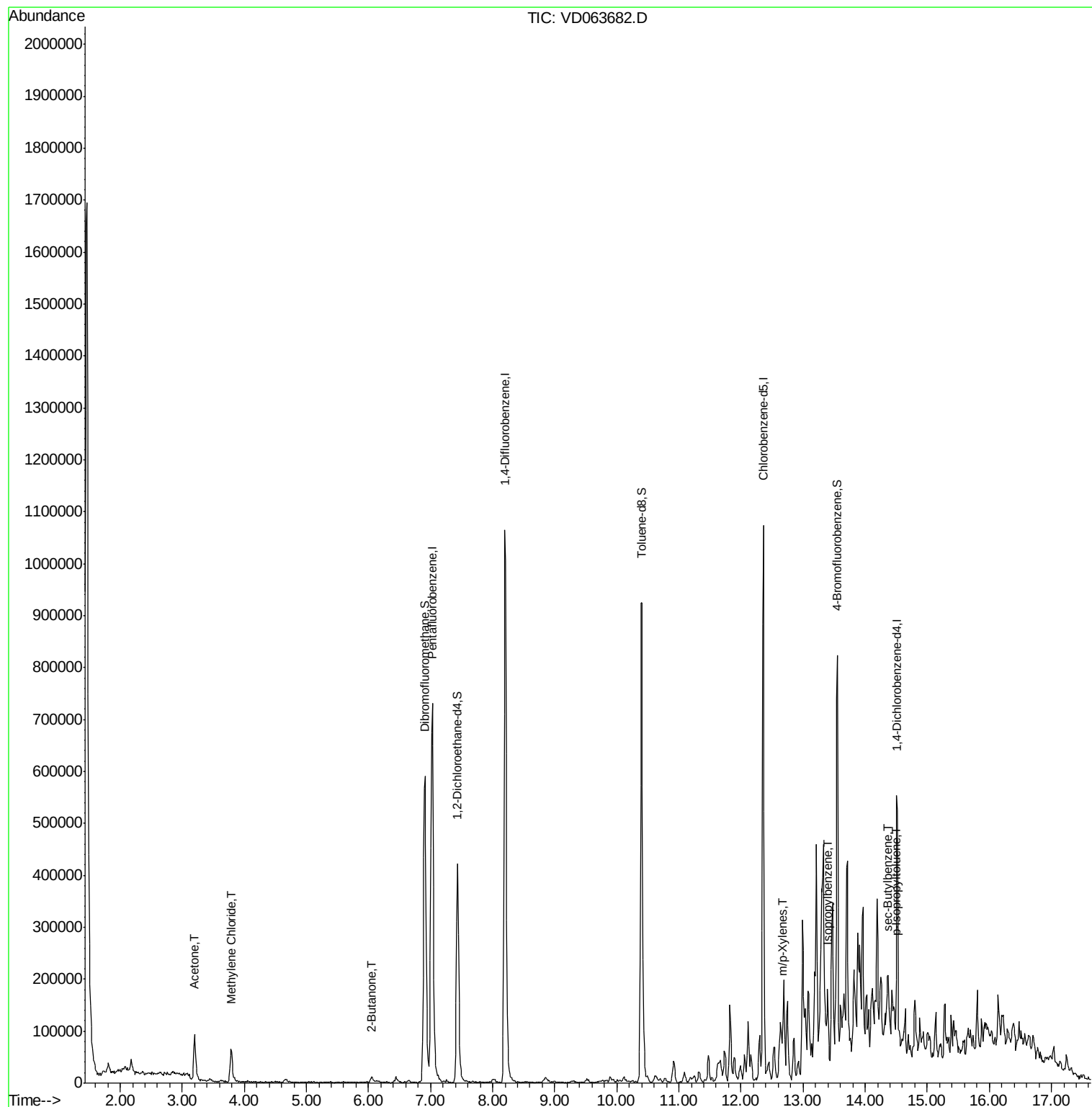
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	739627	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	8.20	114	1154229	50.00	ug/l	-0.04
63) Chlorobenzene-d5	12.36	117	583165	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	116715	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	478427	60.51	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	121.02%	
35) Dibromofluoromethane	6.91	113	533197	54.85	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	109.70%	
50) Toluene-d8	10.40	98	771896	36.12	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	72.24%	
62) 4-Bromofluorobenzene	13.55	95	186937m	19.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	38.60%	
Target Compounds						
16) Acetone	3.20	43	154160	95.922	ug/l	97
20) Methylene Chloride	3.79	84	38500	5.540	ug/l #	89
25) 2-Butanone	6.05	43	22710	14.308	ug/l	95
68) m/p-Xylenes	12.67	106	8872	1.329	ug/l	95
73) Isopropylbenzene	13.40	105	12829	1.728	ug/l	87
85) sec-Butylbenzene	14.36	105	15341	2.115	ug/l	93
86) p-Isopropyltoluene	14.49	119	11322	1.632	ug/l	90

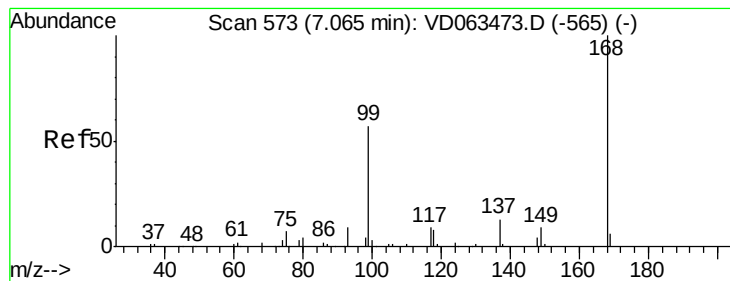
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.04 min

Lab File: VD063682.D

Acq: 20 Aug 2019 14:06

Instrument :

MSVOA_D

ClientSampleId :

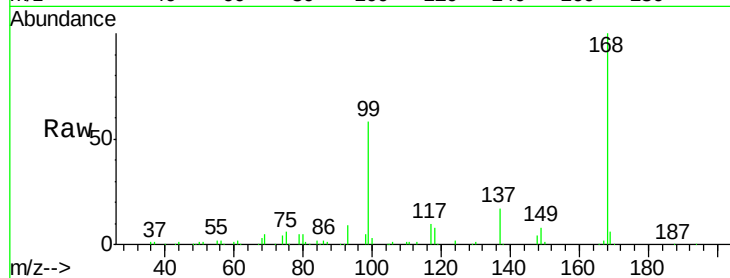
T8-C-(2)RE

Tot Ion:168 Resp: 739627

Ion Ratio Lower Upper

168 100

99 57.9 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

250000

200000

150000

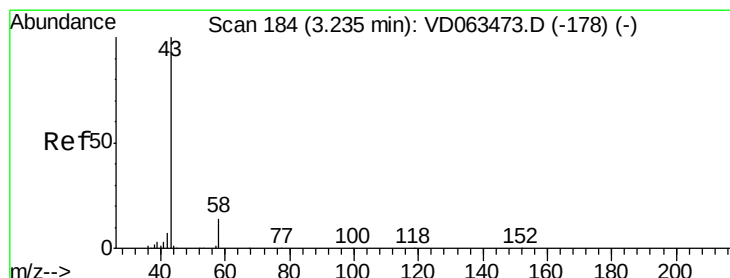
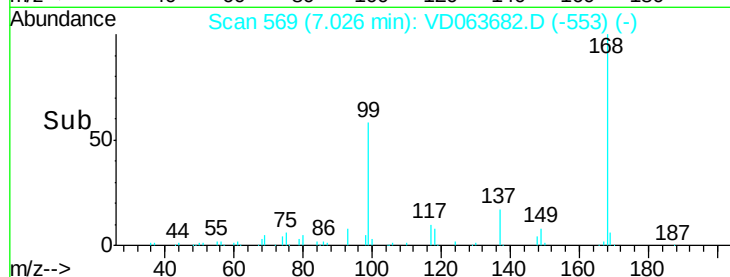
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#16

Acetone

Concen: 95.922 ug/l

RT: 3.20 min Scan# 180

Delta R.T. -0.04 min

Lab File: VD063682.D

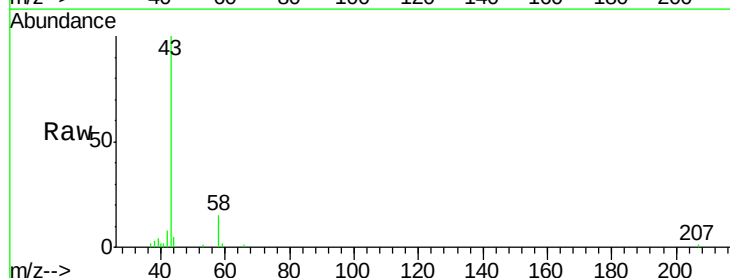
Acq: 20 Aug 2019 14:06

Tgt Ion: 43 Resp: 154160

Ion Ratio Lower Upper

43 100

58 15.5 11.4 17.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.20

60000

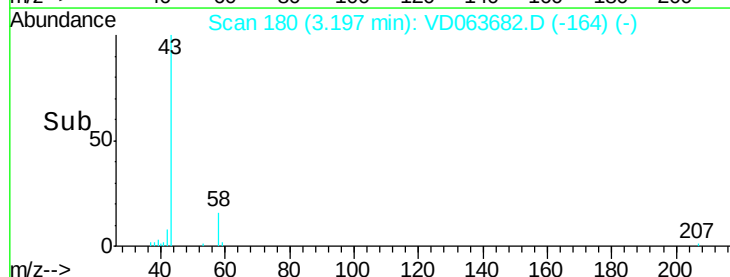
40000

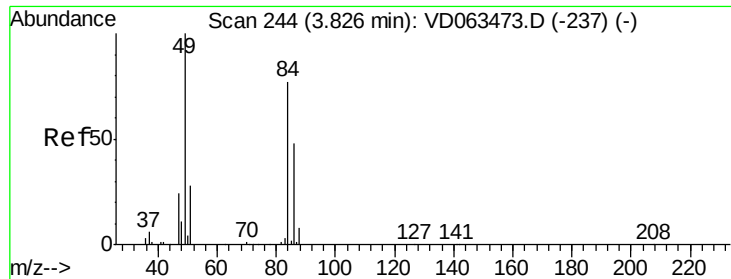
20000

0

3.10 3.20 3.30

Time-->

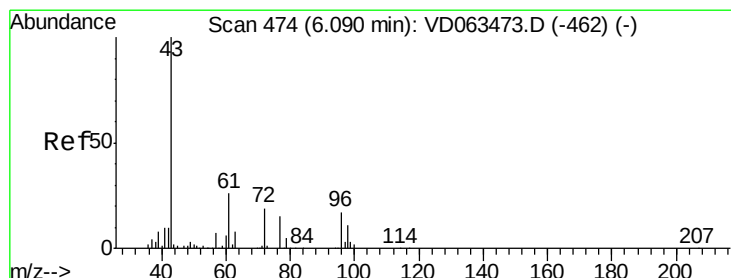
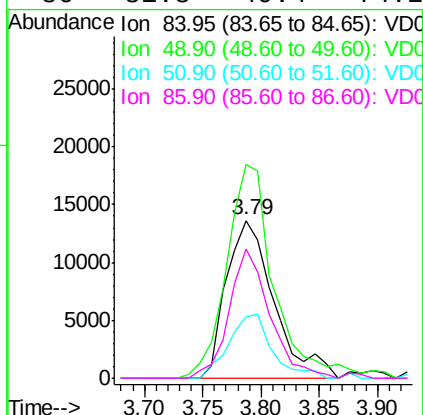
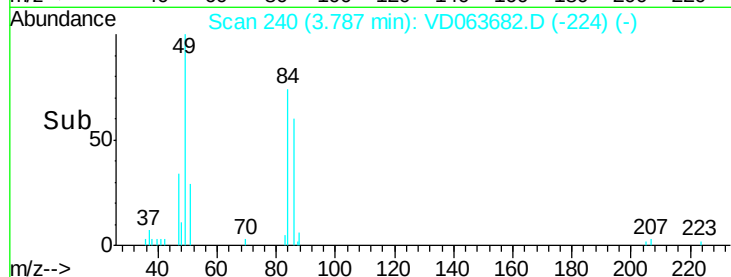
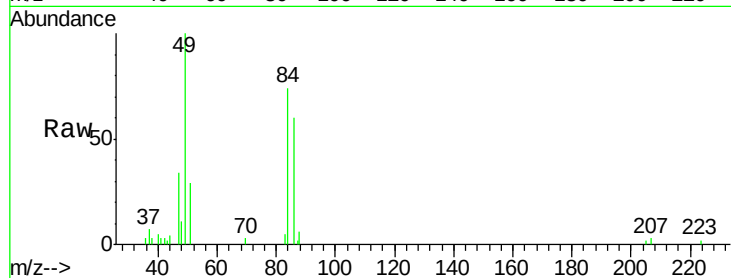




#20
Methylene Chloride
Concen: 5.540 ug/l
RT: 3.79 min Scan# 240
Delta R.T. -0.04 min
Lab File: VD063682.D
Acq: 20 Aug 2019 14:06

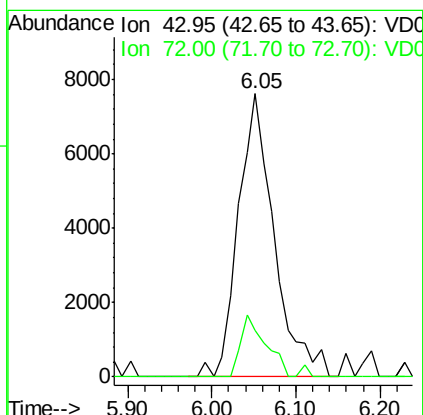
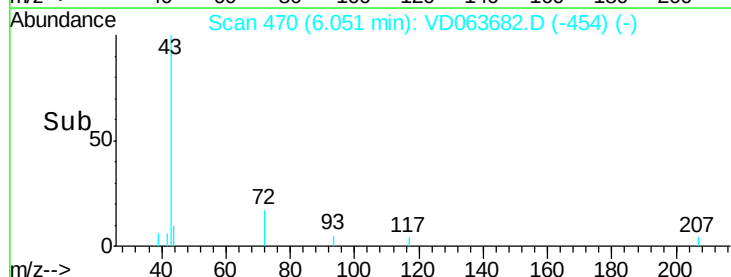
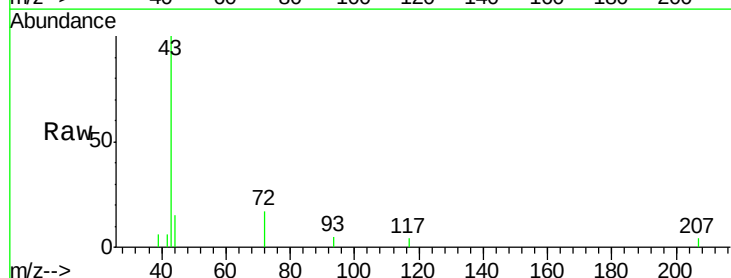
Instrument :
MSVOA_D
ClientSampleId :
T8-C-(2)RE

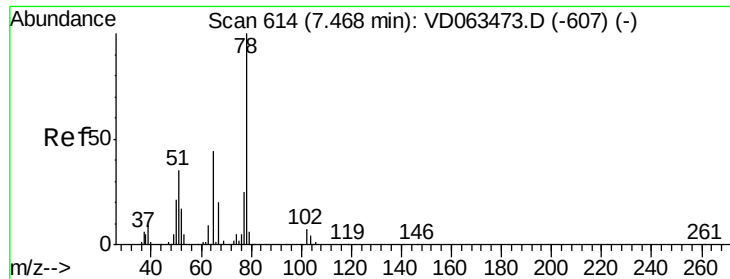
Tot Ion: 84 Resp: 38500
Ion Ratio Lower Upper
84 100
49 135.5 103.4 155.2
51 39.4 28.5 42.7
86 81.8 49.4 74.2#



#25
2-Butanone
Concen: 14.308 ug/l
RT: 6.05 min Scan# 470
Delta R.T. -0.04 min
Lab File: VD063682.D
Acq: 20 Aug 2019 14:06

Tgt Ion: 43 Resp: 22710
Ion Ratio Lower Upper
43 100
72 16.6 15.1 22.7

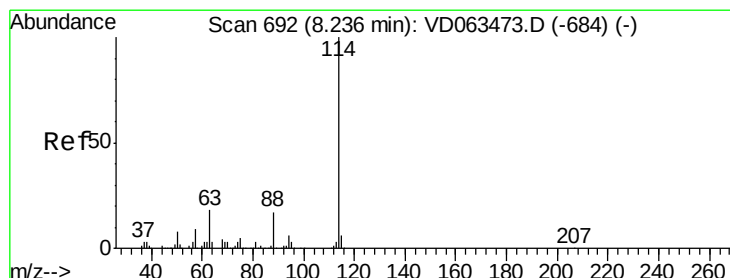
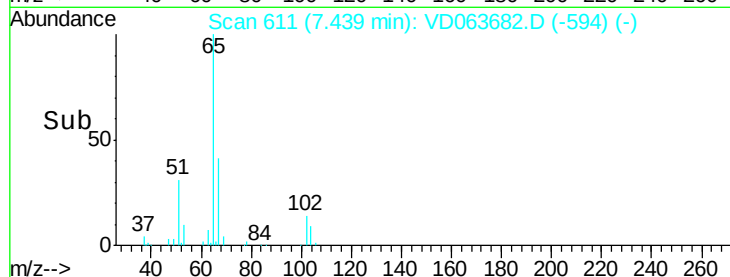
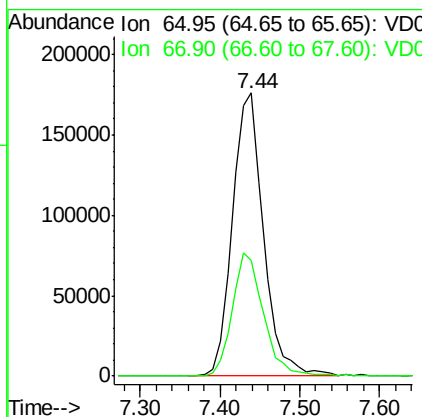
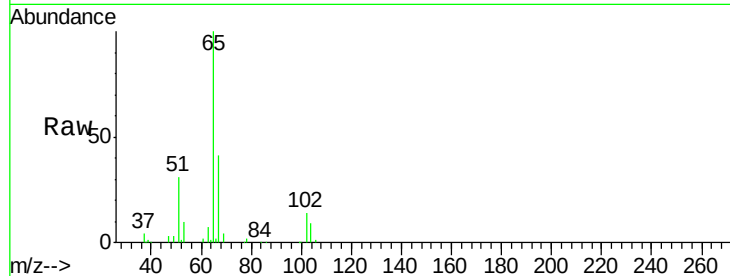




#33
 1,2-Dichloroethane-d4
 Concen: 60.514 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.03 min
 Lab File: VD063682.D
 Acq: 20 Aug 2019 14:06

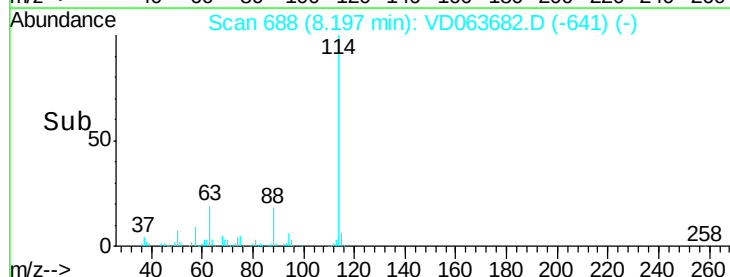
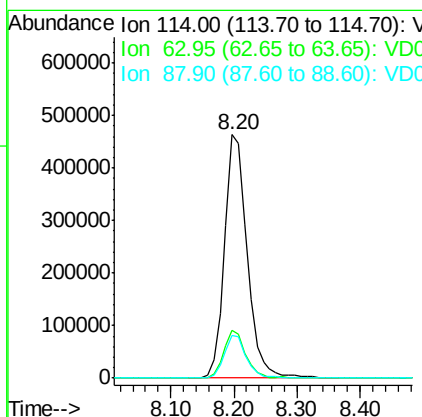
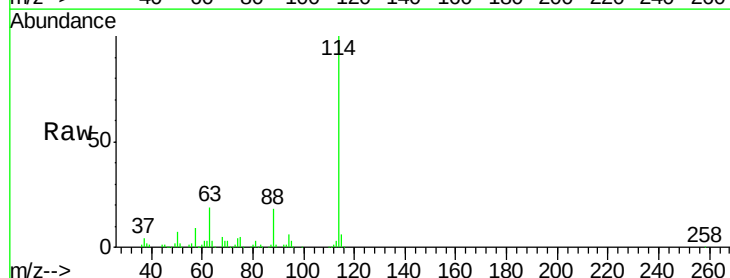
Instrument :
 MSVOA_D
 ClientSampleId :
 T8-C-(2)RE

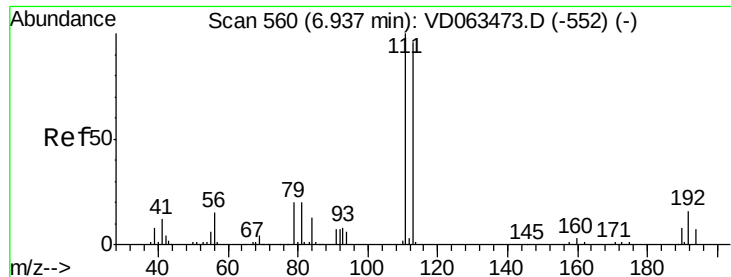
Tot Ion: 65 Resp: 478427
 Ion Ratio Lower Upper
 65 100
 67 41.0 0.0 89.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 688
 Delta R.T. -0.04 min
 Lab File: VD063682.D
 Acq: 20 Aug 2019 14:06

Tgt Ion: 114 Resp: 1154229
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 36.2
 88 17.6 0.0 35.0





#35

Dibromofluoromethane

Concen: 54.850 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.03 min

Lab File: VD063682.D

Acq: 20 Aug 2019 14:06

Instrument :

MSVOA_D

ClientSampleId :

T8-C-(2)RE

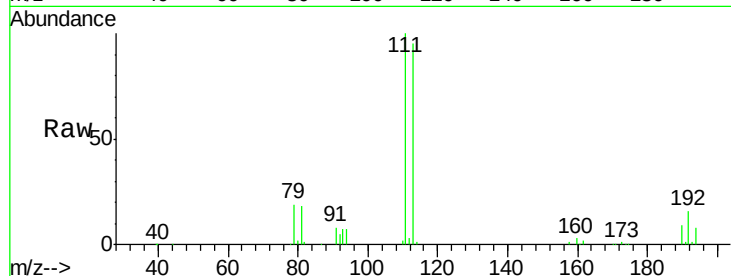
Tot Ion:113 Resp: 533197

Ion Ratio Lower Upper

113 100

111 104.8 83.1 124.7

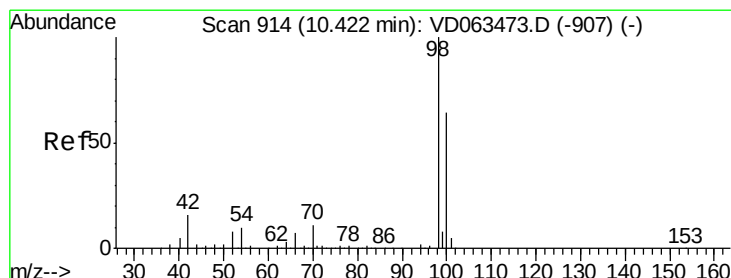
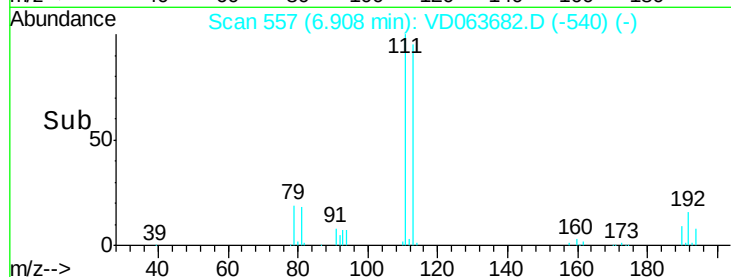
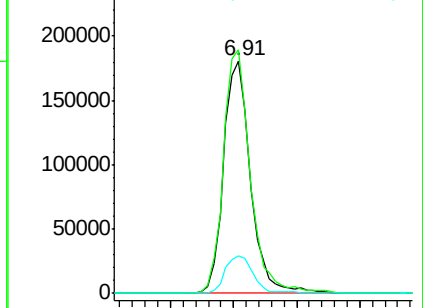
192 16.2 13.1 19.7



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#50

Toluene-d8

Concen: 36.117 ug/l

RT: 10.40 min Scan# 912

Delta R.T. -0.02 min

Lab File: VD063682.D

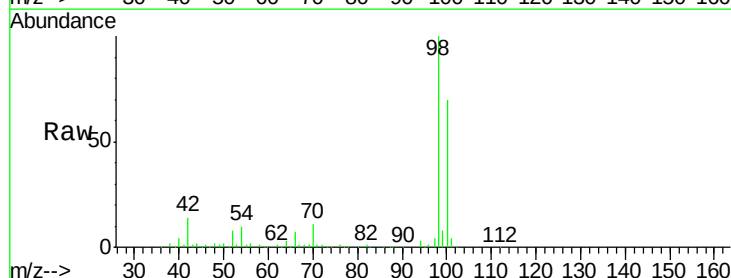
Acq: 20 Aug 2019 14:06

Tgt Ion: 98 Resp: 771896

Ion Ratio Lower Upper

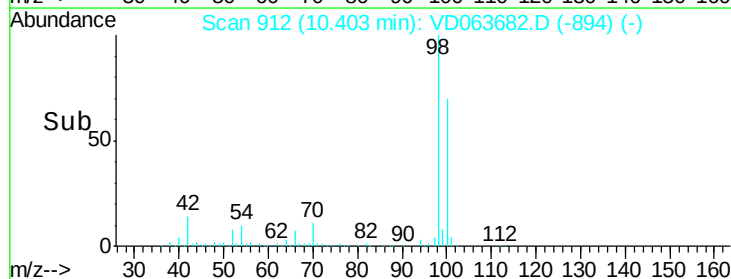
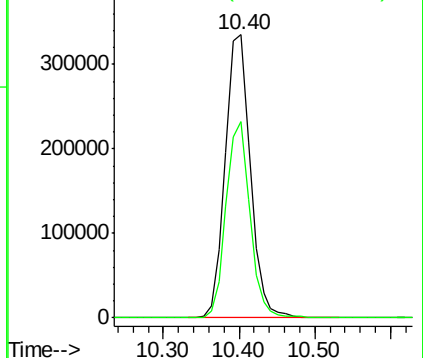
98 100

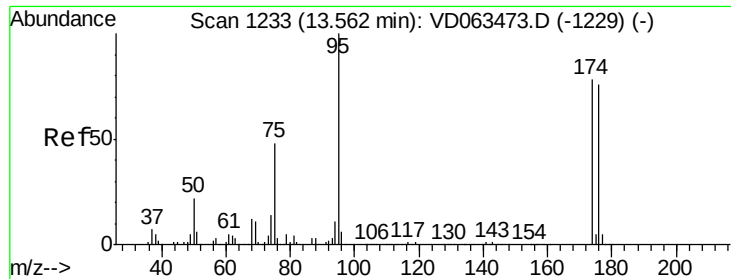
100 69.5 51.7 77.5



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#62

4-Bromofluorobenzene

Concen: 19.298 ug/l m

RT: 13.55 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VD063682.D

Acq: 20 Aug 2019 14:06

Instrument :

MSVOA_D

ClientSampleId :

T8-C-(2)RE

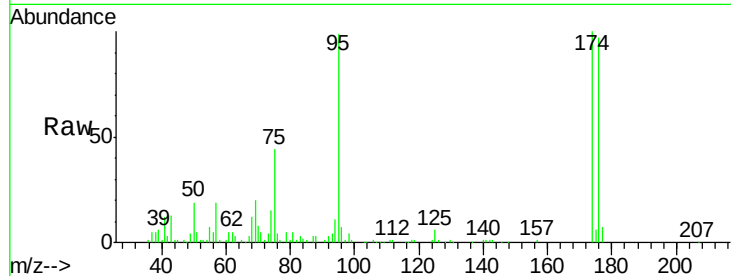
Tot Ion: 95 Resp: 186937

Ion Ratio Lower Upper

95 100

174 101.3 0.0 155.4

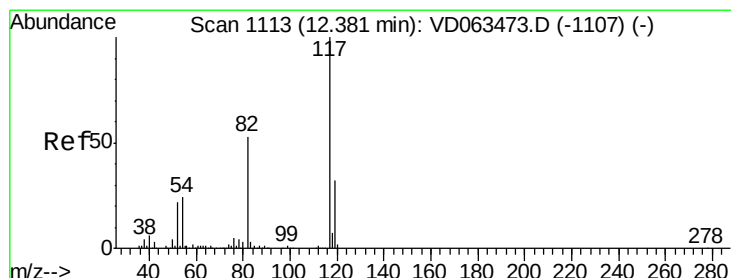
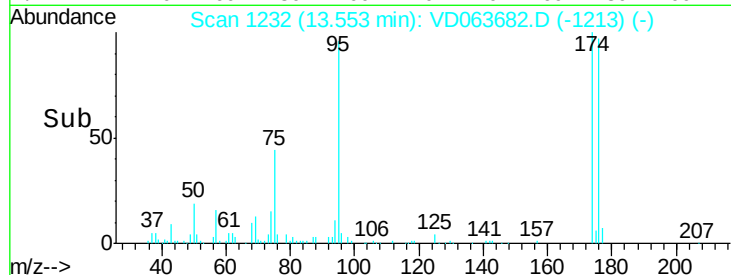
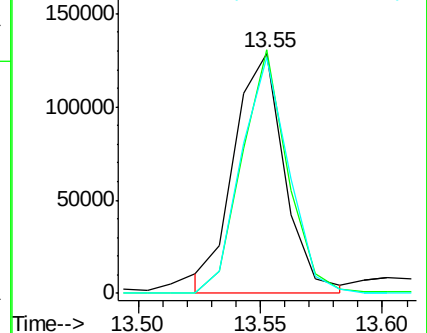
176 98.3 0.0 152.4



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.36 min Scan# 1111

Delta R.T. -0.02 min

Lab File: VD063682.D

Acq: 20 Aug 2019 14:06

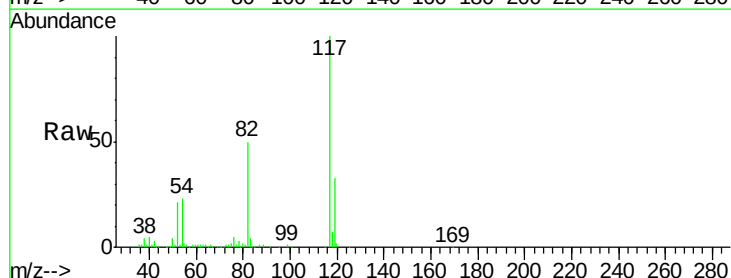
Tgt Ion: 117 Resp: 583165

Ion Ratio Lower Upper

117 100

82 50.4 42.0 63.0

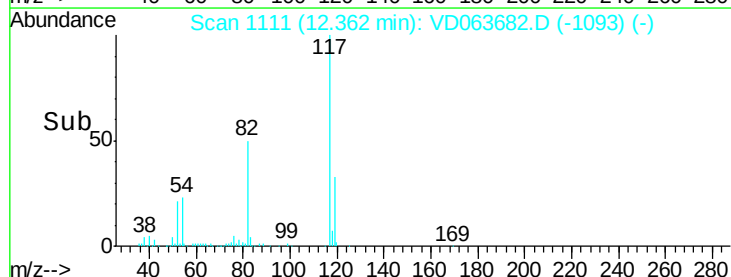
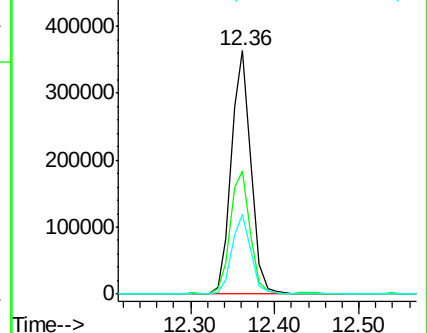
119 32.8 25.4 38.0

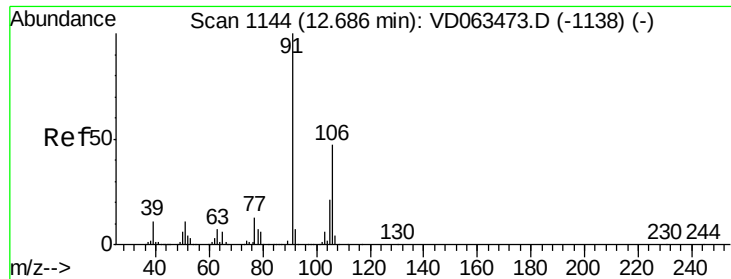


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

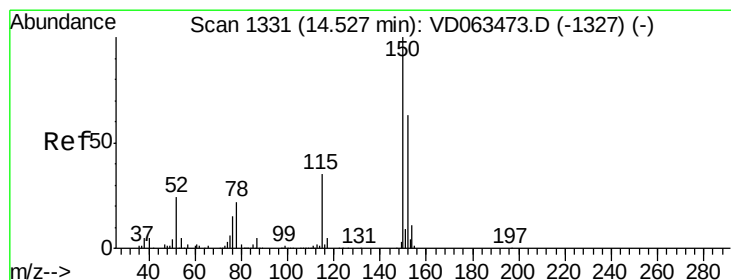
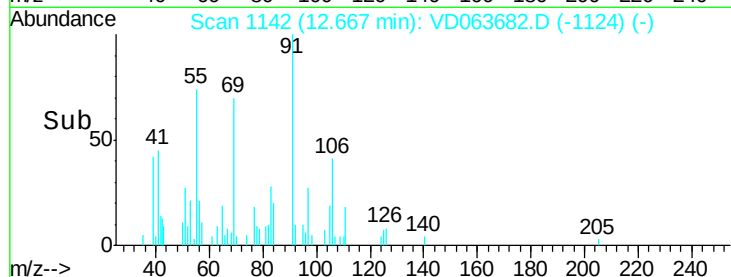
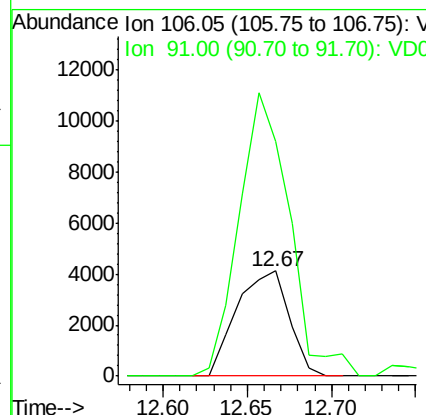
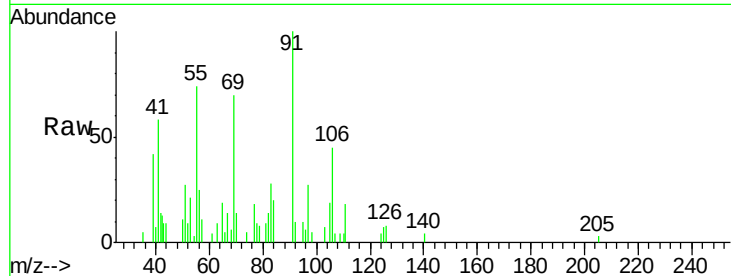




#68
m/p-Xvlenes
Concen: 1.329 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.02 min
Lab File: VD063682.D
Acq: 20 Aug 2019 14:06

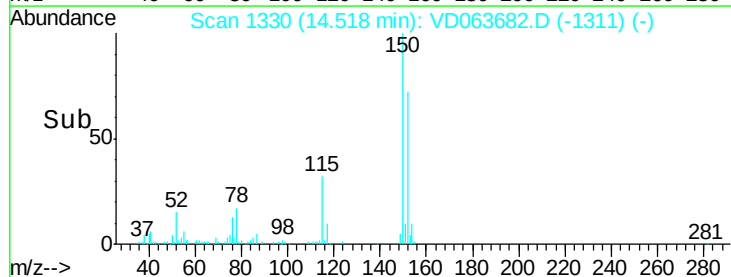
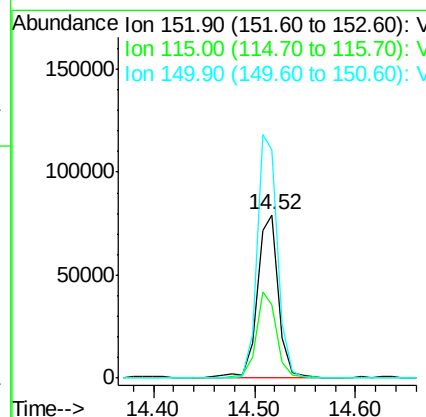
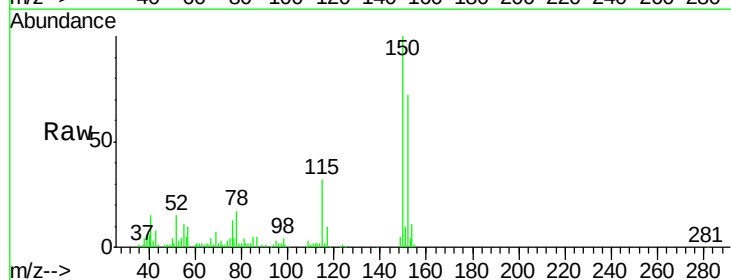
Instrument :
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ClientSampleId :
T8-C-(2)RE

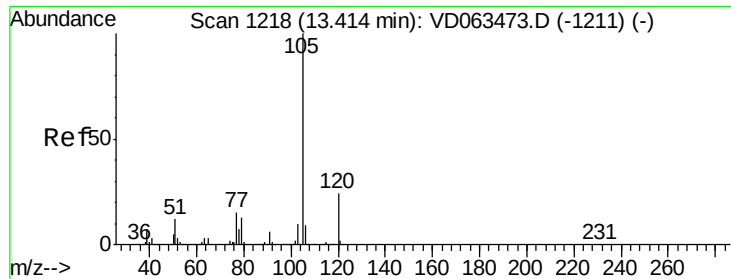
Tot Ion:106 Resp: 8872
Ion Ratio Lower Upper
106 100
91 222.7 171.8 257.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD063682.D
Acq: 20 Aug 2019 14:06

Tgt Ion:152 Resp: 116715
Ion Ratio Lower Upper
152 100
115 44.6 30.9 92.7
150 139.7 0.0 318.6





#73

Isopropylbenzene

Concen: 1.728 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.02 min

Lab File: VD063682.D

Acq: 20 Aug 2019 14:06

Instrument :

MSVOA_D

ClientSampleId :

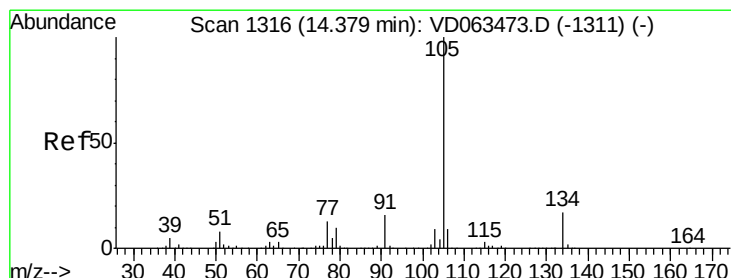
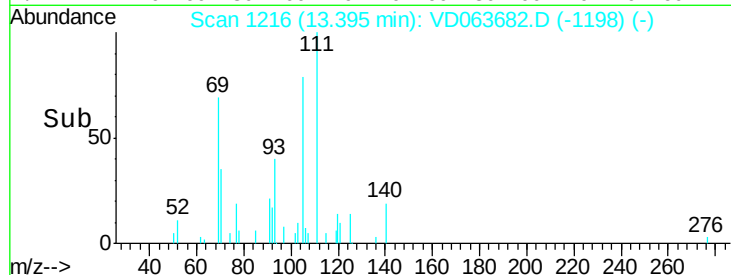
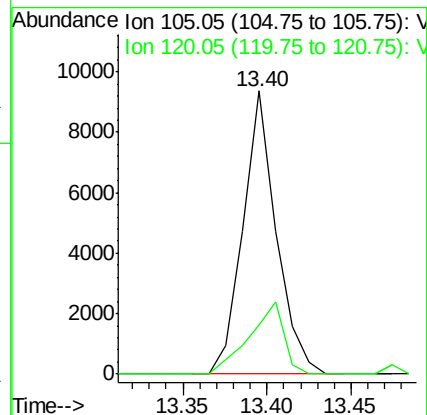
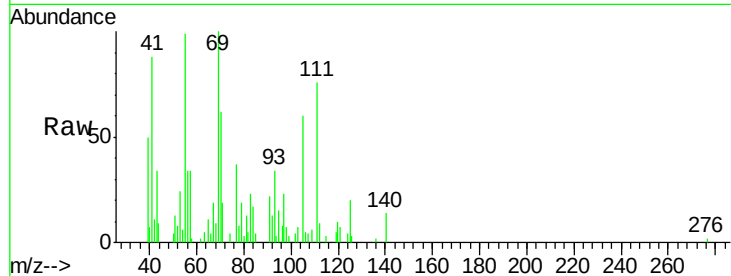
T8-C-(2)RE

Tot Ion:105 Resp: 12829

Ion Ratio Lower Upper

105 100

120 17.5 11.9 35.9



#85

sec-Butylbenzene

Concen: 2.115 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. -0.02 min

Lab File: VD063682.D

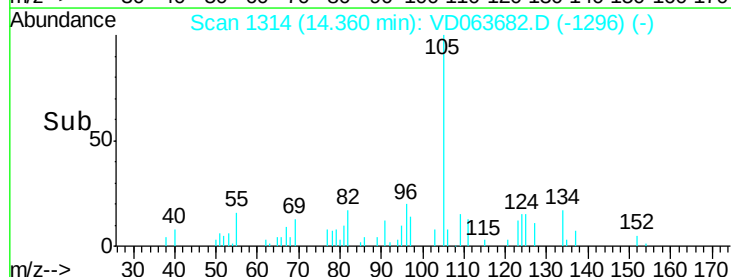
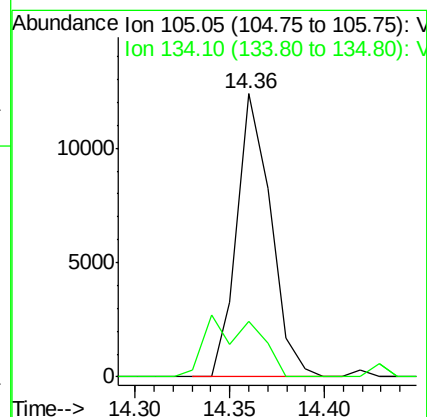
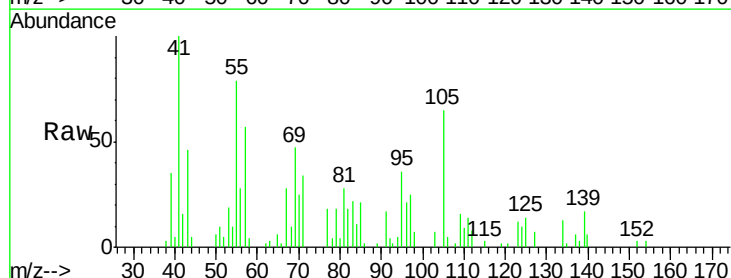
Acq: 20 Aug 2019 14:06

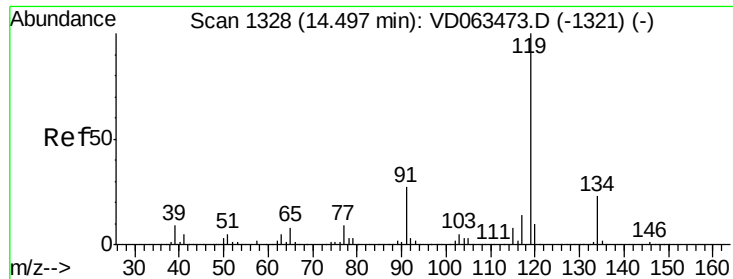
Tgt Ion:105 Resp: 15341

Ion Ratio Lower Upper

105 100

134 19.7 8.3 24.8





#86
 p-Isopropyltoluene
 Concen: 1.632 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: VD063682.D
 Acq: 20 Aug 2019 14:06

Instrument :
 MSVOA_D
 ClientSampleId :
 T8-C-(2)RE

Tot Ion	Ion	Ratio	Lower	Upper
119	100			
134	18.5	11.3	33.8	
91	33.1	13.5	40.4	

