

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081219\
 Data File : VD063516.D
 Acq On : 13 Aug 2019 6:01
 Operator : JC/SY
 Sample : K4223-30RE
 Misc : 4.32g/5ml/MSVOA D/SOIL
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-15RE

Quant Time: Aug 13 09:34:50 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

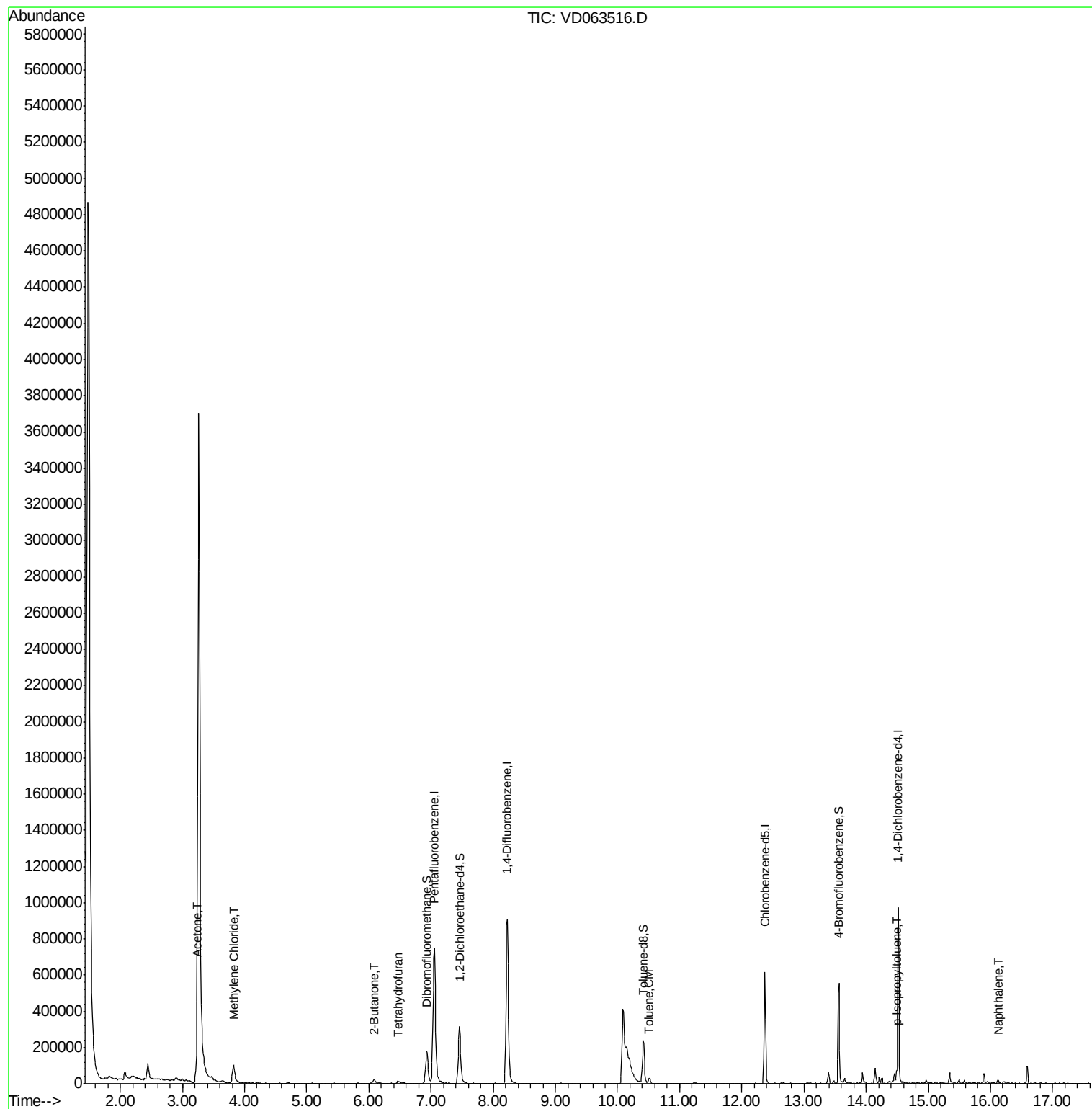
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	721682	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.23	114	999830	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	343251	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	198876	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	356558	46.22	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	92.44%	
35) Dibromofluoromethane	6.93	113	158332	18.80	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	37.60%	
50) Toluene-d8	10.41	98	194887	10.53	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	21.06%	
62) 4-Bromofluorobenzene	13.55	95	164510	19.61	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	39.22%	
Target Compounds						
16) Acetone	3.23	43	155835	99.375	ug/l	95
20) Methylene Chloride	3.83	84	62295	9.187	ug/l #	93
25) 2-Butanone	6.08	43	44665	28.839	ug/l #	89
29) Tetrahydrofuran	6.46	42	9405	13.032	ug/l	97
52) Toluene	10.51	92	14915	1.191	ug/l	99
86) p-Isopropyltoluene	14.49	119	34055	2.882	ug/l	96
95) Naphthalene	16.12	128	12334	2.085	ug/l #	90

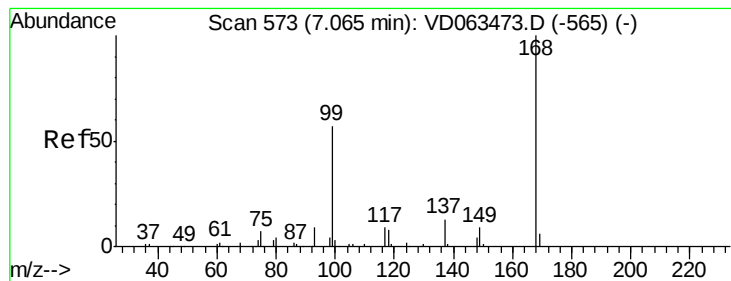
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081219\
Data File : VD063516.D
Acq On : 13 Aug 2019 6:01
Operator : JC/SY
Sample : K4223-30RE
Misc : 4.32g/5ml/MSVOA D/SOIL
ALS Vial : 53 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SP-15RE

Quant Time: Aug 13 09:34:50 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 10 06:42:47 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.01 min

Lab File: VD063516.D

Acq: 13 Aug 2019 6:01

Instrument :

MSVOA_D

ClientSampleId :

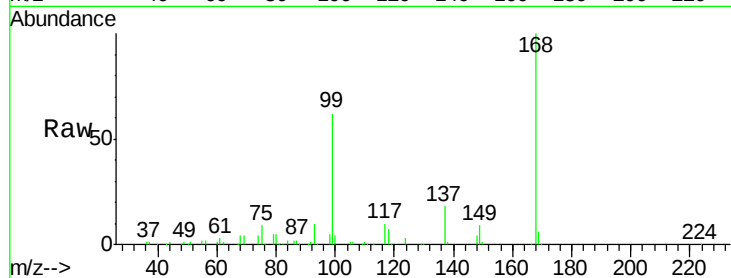
SP-15RE

Tot Ion:168 Resp: 721682

Ion Ratio Lower Upper

168 100

99 62.0 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

250000

200000

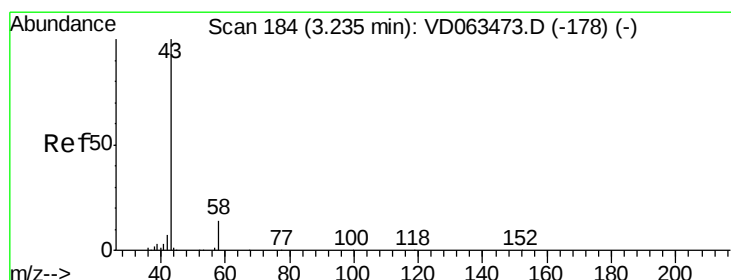
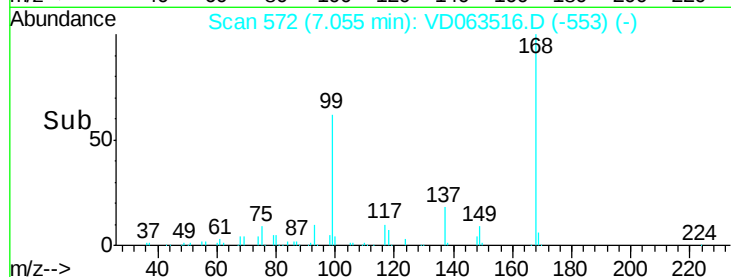
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 99.375 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.01 min

Lab File: VD063516.D

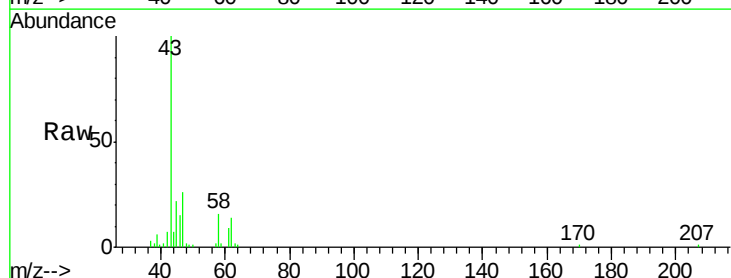
Acq: 13 Aug 2019 6:01

Tgt Ion: 43 Resp: 155835

Ion Ratio Lower Upper

43 100

58 16.1 11.4 17.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.23

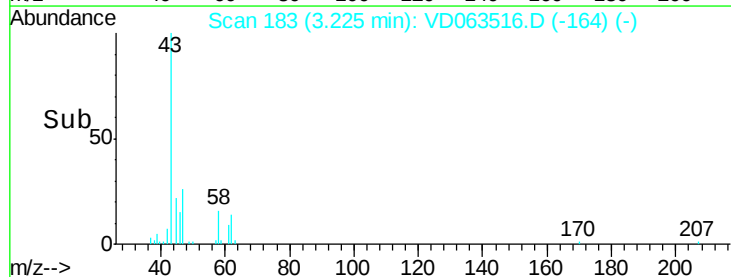
60000

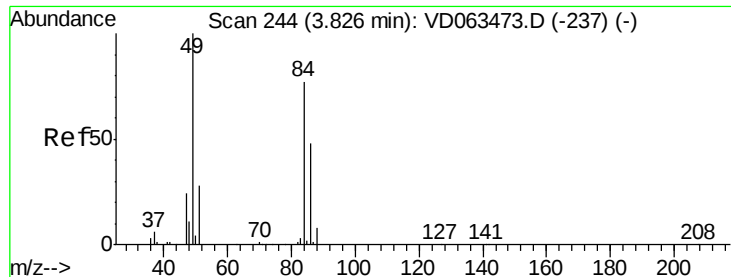
40000

20000

0

Time-->

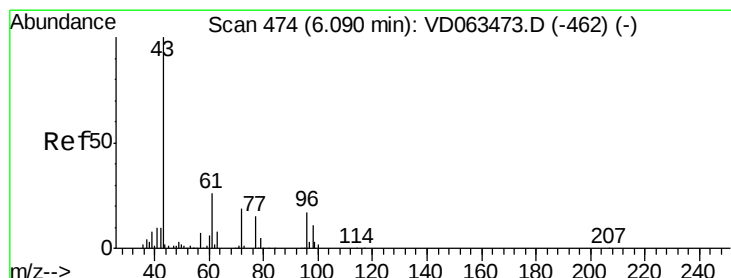
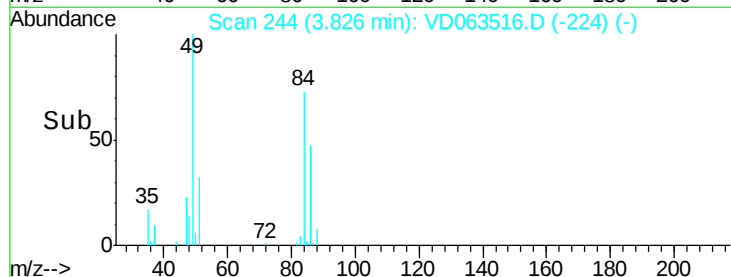
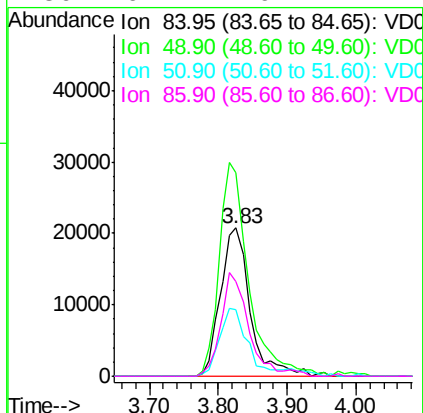
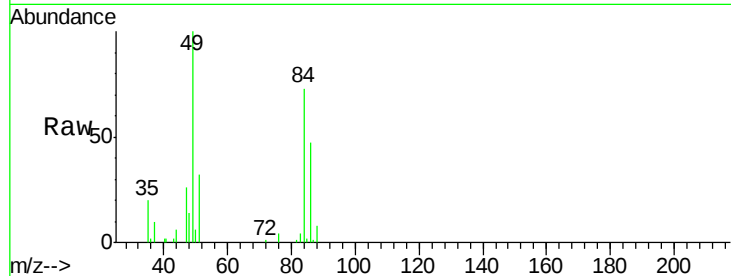




#20
Methylene Chloride
Concen: 9.187 ug/l
RT: 3.83 min Scan# 244
Delta R.T. -0.00 min
Lab File: VD063516.D
Acq: 13 Aug 2019 6:01

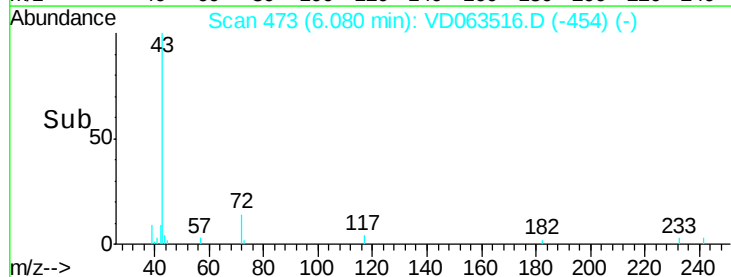
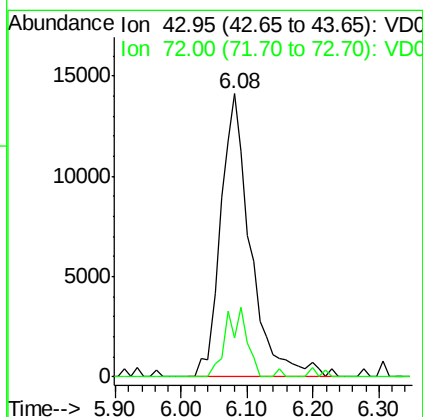
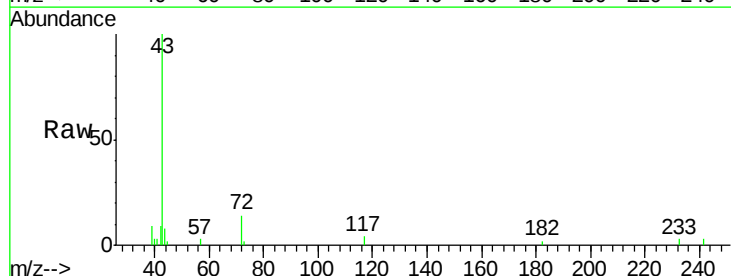
Instrument :
MSVOA_D
ClientSampled :
SP-15RE

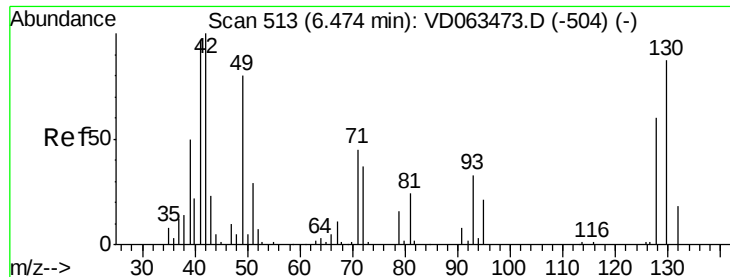
Tot Ion	84	Resp	62295
Ion Ratio	Lower	Upper	
84	100		
49	137.1	103.4	155.2
51	44.5	28.5	42.7#
86	64.2	49.4	74.2



#25
2-Butanone
Concen: 28.839 ug/l
RT: 6.08 min Scan# 473
Delta R.T. -0.01 min
Lab File: VD063516.D
Acq: 13 Aug 2019 6:01

Tgt Ion	43	Resp	44665
Ion Ratio	Lower	Upper	
43	100		
72	13.9	15.1	22.7#





#29

Tetrahydrofuran

Concen: 13.032 ug/l

RT: 6.46 min Scan# 512

Delta R.T. -0.01 min

Lab File: VD063516.D

Acq: 13 Aug 2019 6:01

Instrument :

MSVOA_D

ClientSampleId :

SP-15RE

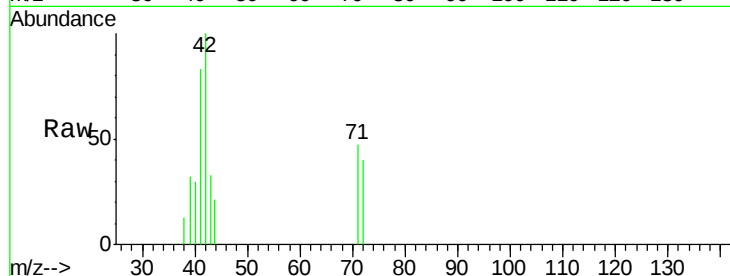
Tot Ion: 42 Resp: 9405

Ion Ratio Lower Upper

42 100

72 42.5 31.5 47.3

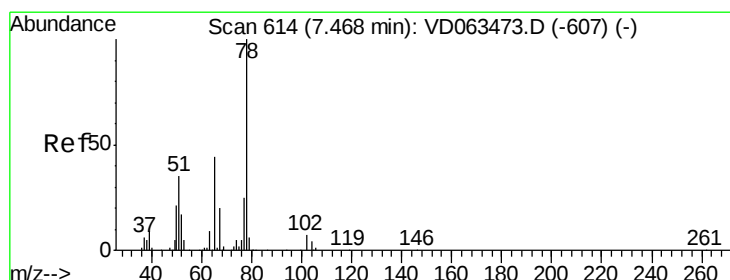
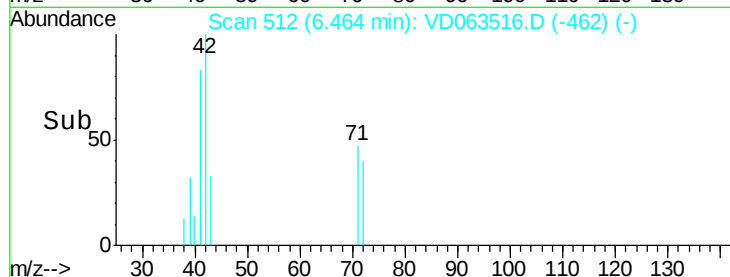
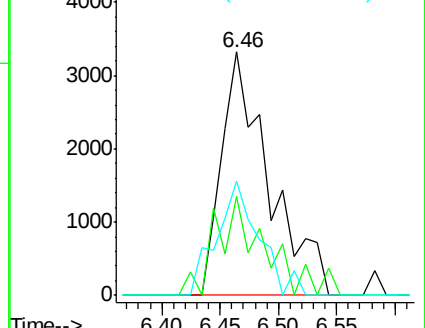
71 41.8 33.8 50.8



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#33

1,2-Dichloroethane-d4

Concen: 46.221 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.01 min

Lab File: VD063516.D

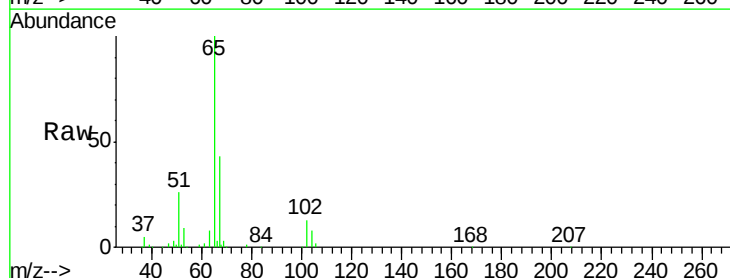
Acq: 13 Aug 2019 6:01

Tgt Ion: 65 Resp: 356558

Ion Ratio Lower Upper

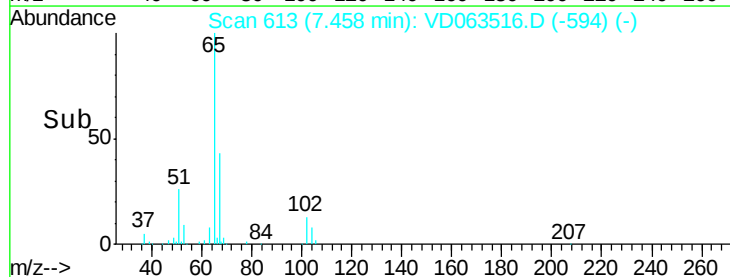
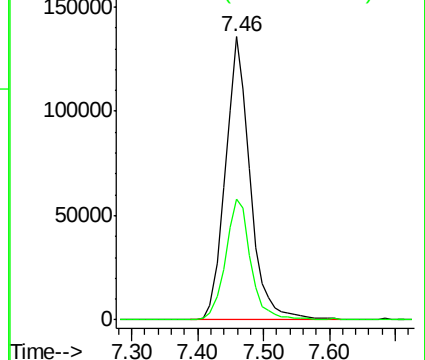
65 100

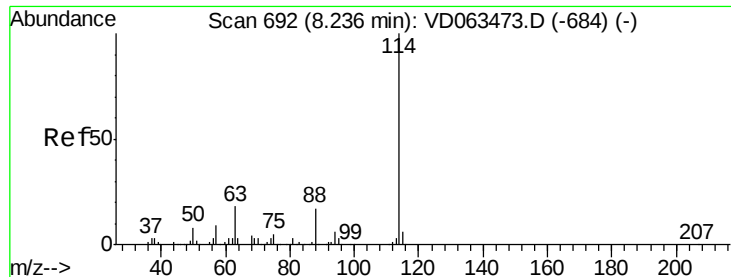
67 42.6 0.0 89.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. -0.01 min

Lab File: VD063516.D

Acq: 13 Aug 2019 6:01

Instrument :

MSVOA_D

ClientSampleId :

SP-15RE

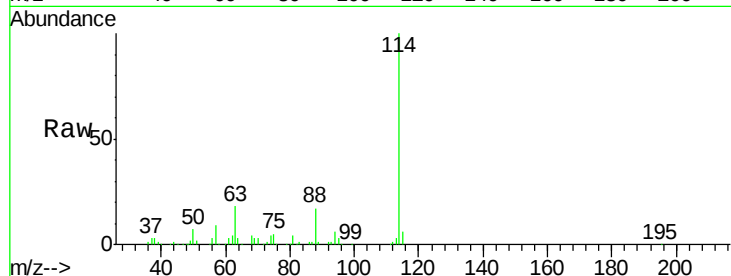
Tot Ion:114 Resp: 999830

Ion Ratio Lower Upper

114 100

63 18.0 0.0 36.2

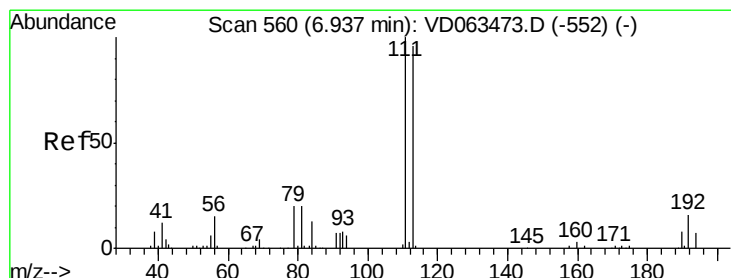
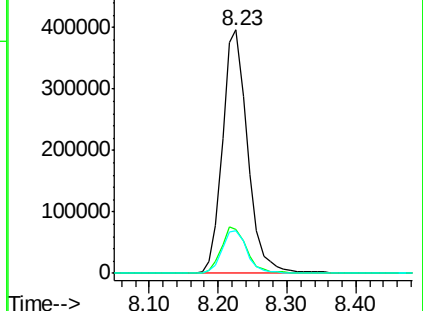
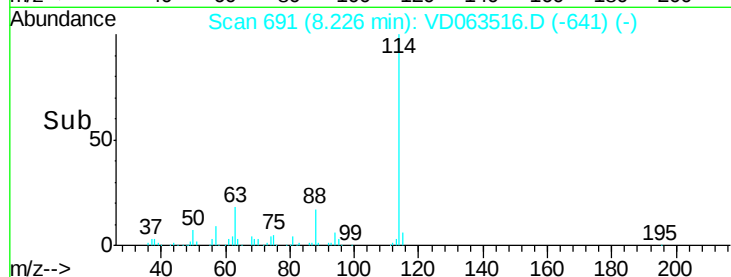
88 17.5 0.0 35.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 18.803 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD063516.D

Acq: 13 Aug 2019 6:01

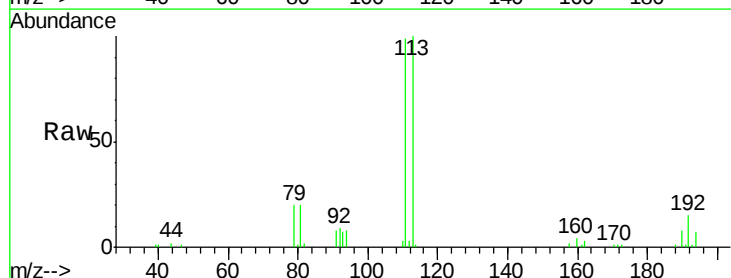
Tgt Ion:113 Resp: 158332

Ion Ratio Lower Upper

113 100

111 98.8 83.1 124.7

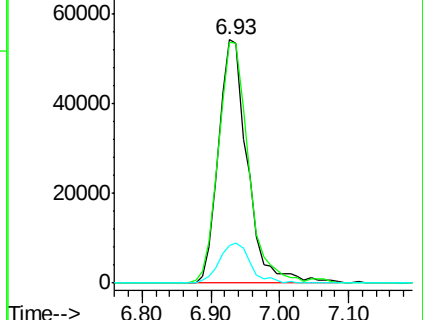
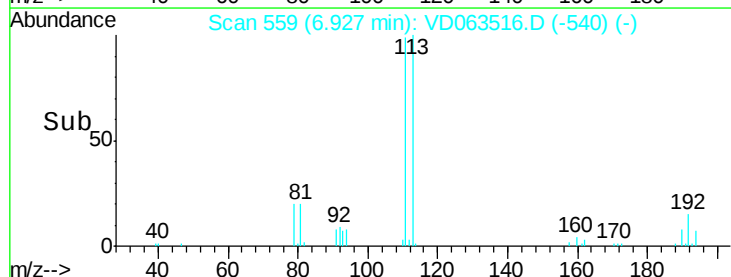
192 15.3 13.1 19.7

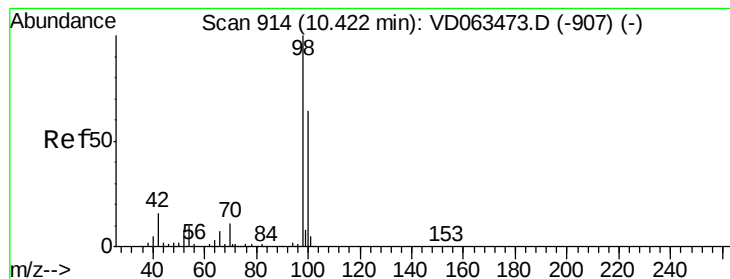


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#50

Toluene-d8

Concen: 10.527 ug/l

RT: 10.41 min Scan# 913

Delta R.T. -0.01 min

Lab File: VD063516.D

Acq: 13 Aug 2019 6:01

Instrument :

MSVOA_D

ClientSampleId :

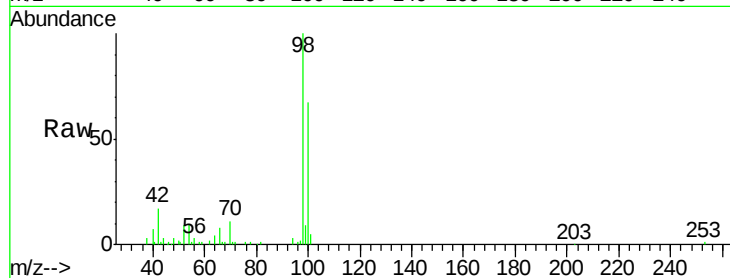
SP-15RE

Tot Ion: 98 Resp: 194887

Ion Ratio Lower Upper

98 100

100 66.7 51.7 77.5



Abundance Ion 98.05 (97.75 to 98.75): VD063473.D (-907) (-)

Ion 100.05 (99.75 to 100.75): VD063473.D (-907) (-)

10.41

80000

60000

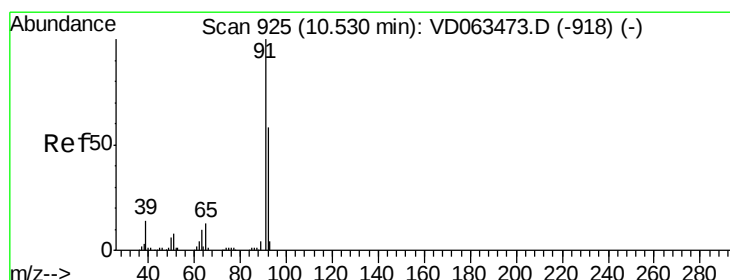
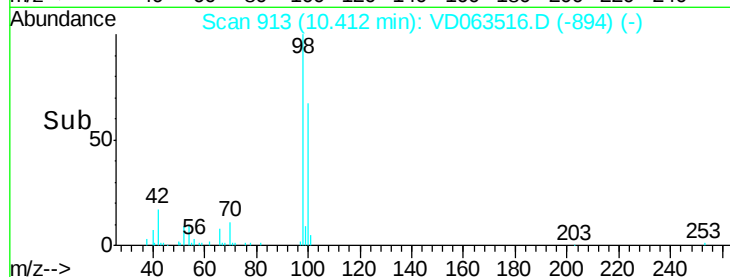
40000

20000

0

10.30 10.40 10.50

Time-->



#52

Toluene

Concen: 1.191 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.02 min

Lab File: VD063516.D

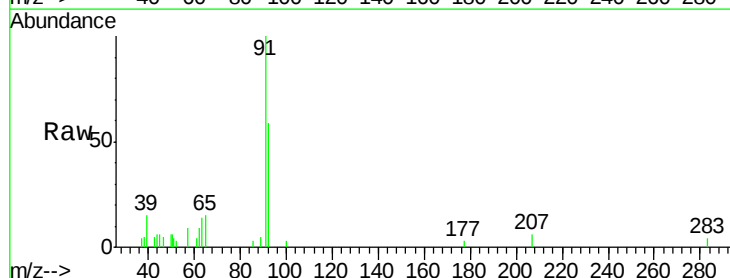
Acq: 13 Aug 2019 6:01

Tgt Ion: 92 Resp: 14915

Ion Ratio Lower Upper

92 100

91 170.8 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VD063473.D (-918) (-)

Ion 91.00 (90.70 to 91.70): VD063473.D (-918) (-)

10.51

12000

10000

8000

6000

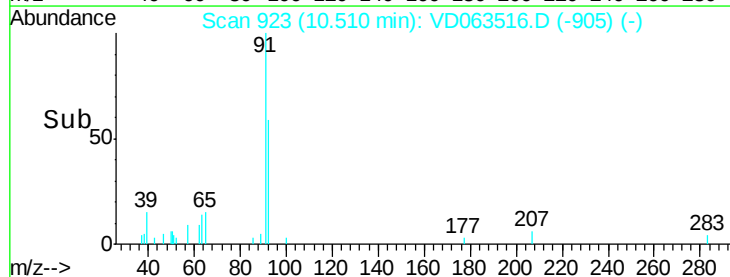
4000

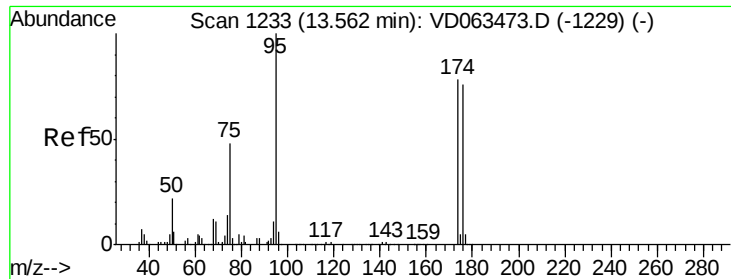
2000

0

10.45 10.50 10.55 10.60

Time-->

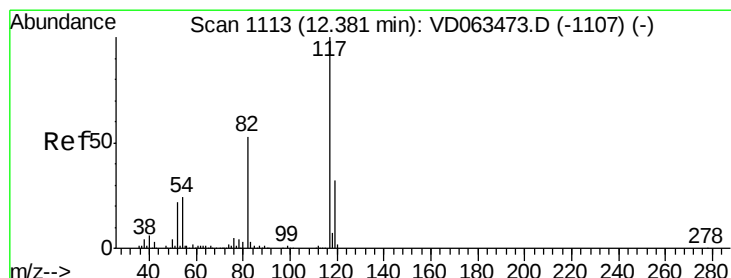
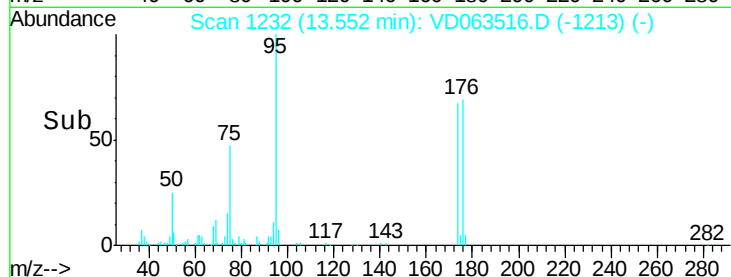
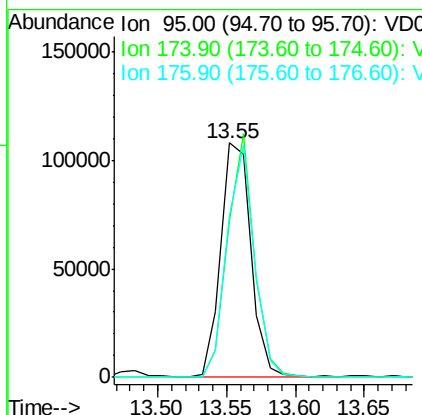
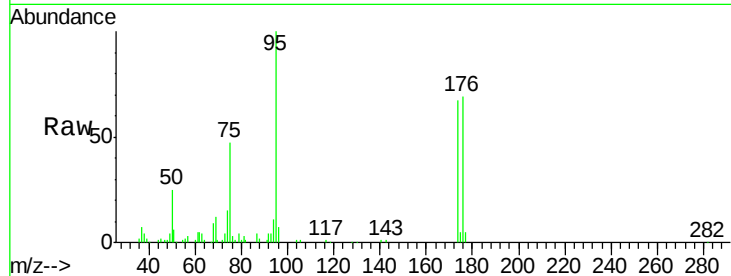




#62
4-Bromofluorobenzene
Concen: 19.606 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD063516.D
Acq: 13 Aug 2019 6:01

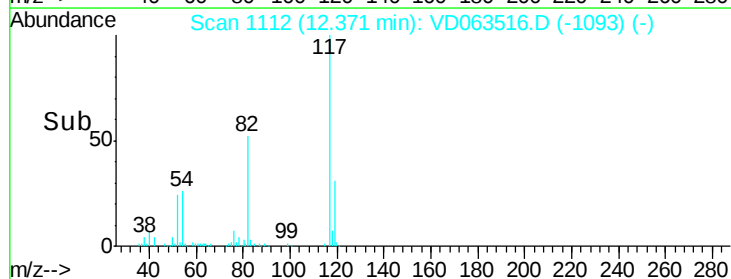
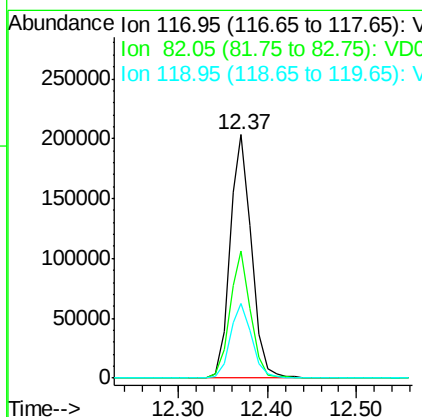
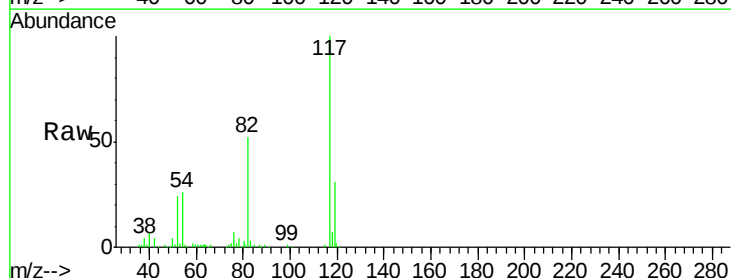
Instrument :
MSVOA_D
ClientSampleId :
SP-15RE

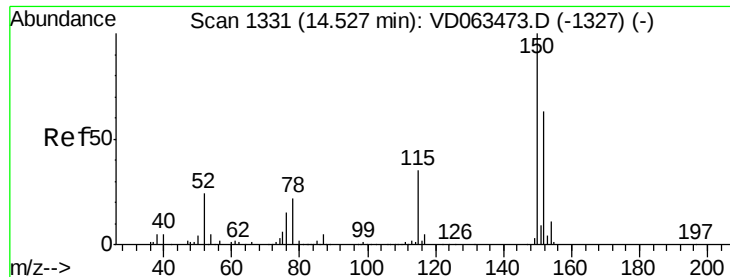
Tot Ion: 95 Resp: 164510
Ion Ratio Lower Upper
95 100
174 66.8 0.0 155.4
176 69.0 0.0 152.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VD063516.D
Acq: 13 Aug 2019 6:01

Tgt Ion: 117 Resp: 343251
Ion Ratio Lower Upper
117 100
82 52.1 42.0 63.0
119 30.5 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.01 min

Lab File: VD063516.D

Acq: 13 Aug 2019 6:01

Instrument :

MSVOA_D

ClientSampleId :

SP-15RE

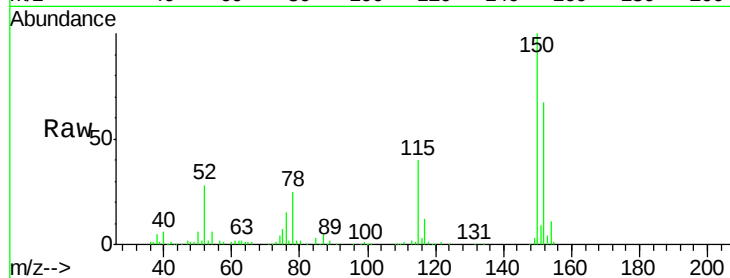
Tot Ion:152 Resp: 198876

Ion Ratio Lower Upper

152 100

115 59.3 30.9 92.7

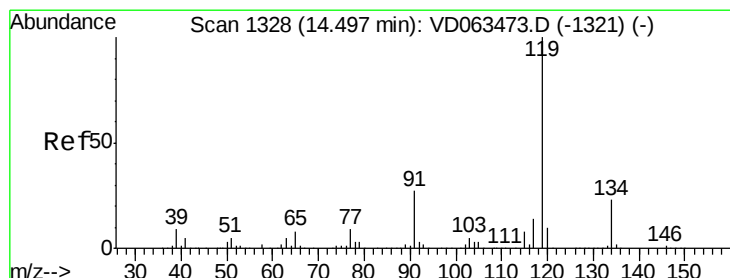
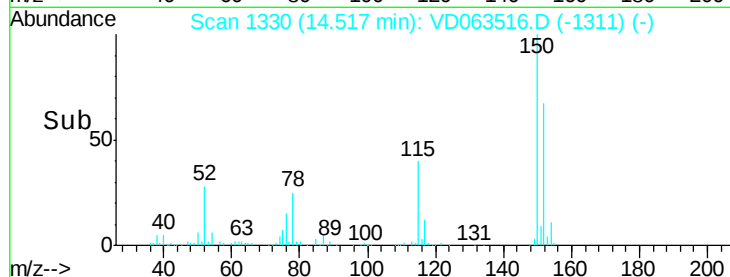
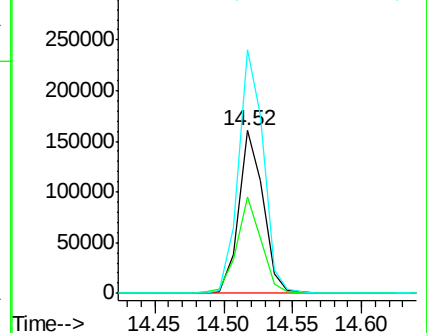
150 149.5 0.0 318.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V



#86

p-Isopropyltoluene

Concen: 2.882 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. -0.01 min

Lab File: VD063516.D

Acq: 13 Aug 2019 6:01

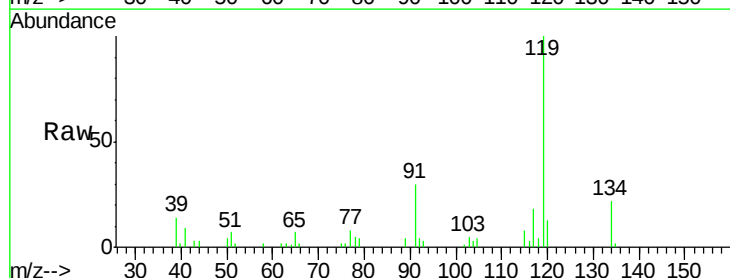
Tgt Ion:119 Resp: 34055

Ion Ratio Lower Upper

119 100

134 22.3 11.3 33.8

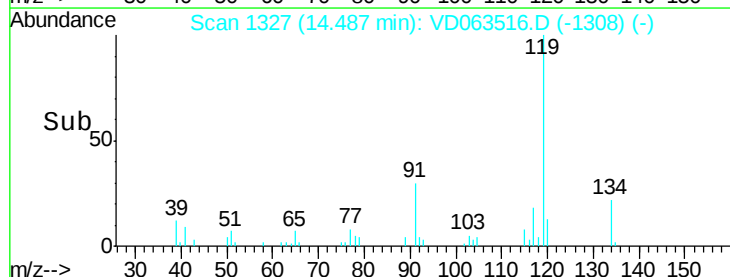
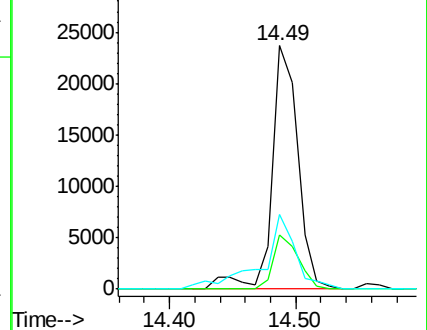
91 30.4 13.5 40.4

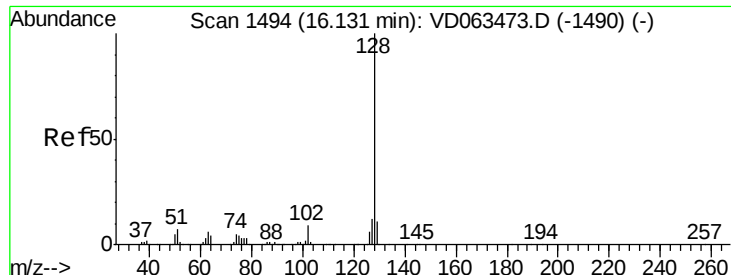


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





#95

Naphthalene

Concen: 2.085 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. -0.01 min

Lab File: VD063516.D

Acq: 13 Aug 2019 6:01

Instrument :

MSVOA_D

ClientSampleId :

SP-15RE

Tot Ion:128 Resp: 12334

Ion Ratio Lower Upper

128 100

127 7.8 9.4 14.0#

129 6.8 8.5 12.7#

