

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080819\
 Data File : VD063459.D
 Acq On : 9 Aug 2019 2:30
 Operator : JC/SY
 Sample : K4223-26
 Misc : 3.79g/5ml/MSVOA D/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-13

Quant Time: Aug 09 08:11:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	866777	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	1112225	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	628635	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	186955	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	407161	42.33	ug/l	0.02
Spiked Amount			Recovery	=	84.66%	
35) Dibromofluoromethane	6.94	113	379072	39.92	ug/l	0.03
Spiked Amount			Recovery	=	79.84%	
50) Toluene-d8	10.42	98	677569	31.88	ug/l	0.02
Spiked Amount			Recovery	=	63.76%	
62) 4-Bromofluorobenzene	13.56	95	198503	20.50	ug/l	0.01
Spiked Amount			Recovery	=	41.00%	

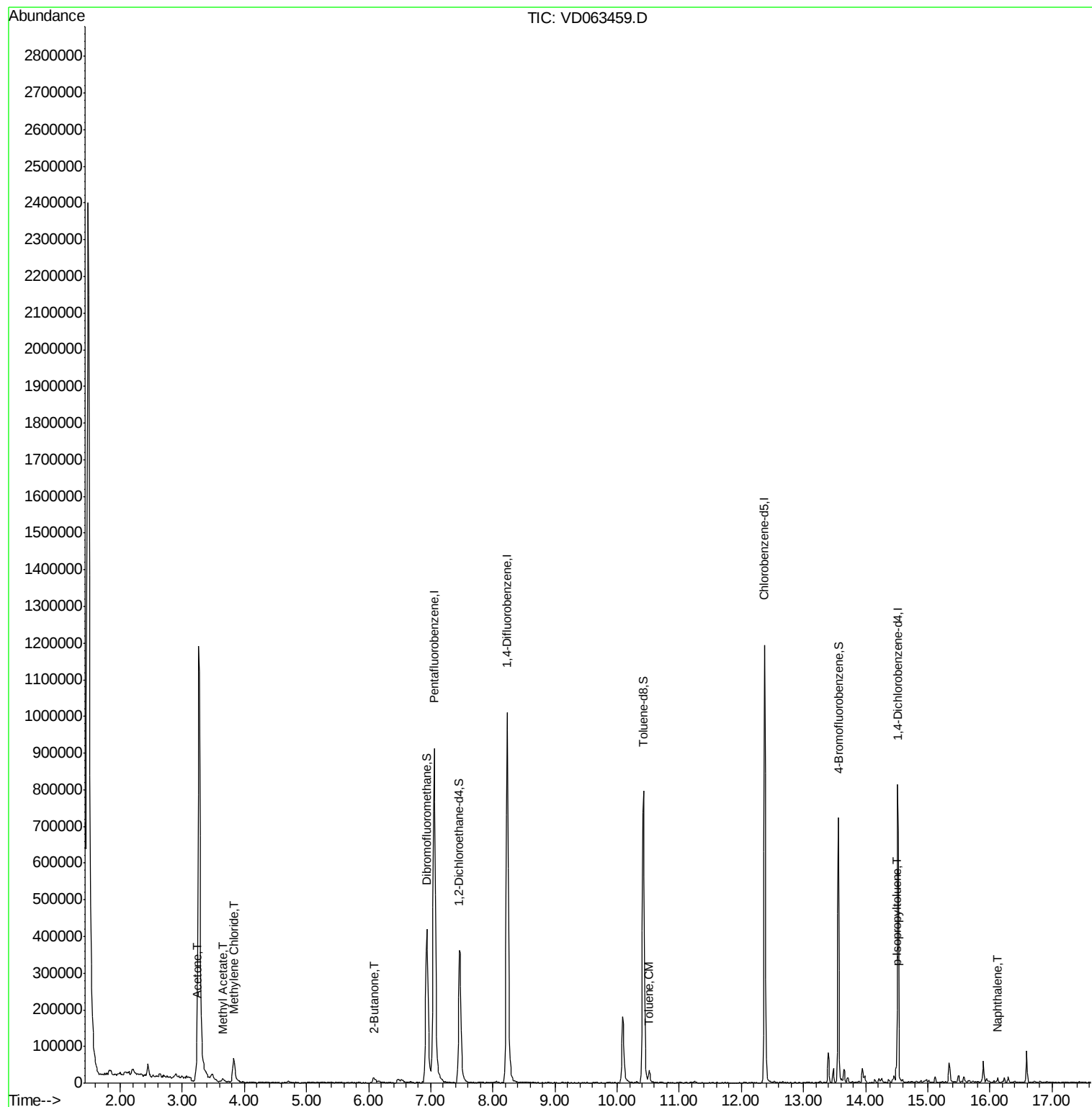
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.23	43	93338	49.809	ug/l	99
18) Methyl Acetate	3.65	43	11181	3.106	ug/l	97
20) Methylene Chloride	3.83	84	43776	5.779	ug/l	94
25) 2-Butanone	6.08	43	26273	13.970	ug/l #	82
52) Toluene	10.51	92	15454	1.092	ug/l	81
86) p-Isopropyltoluene	14.50	119	18248	1.570	ug/l	95
95) Naphthalene	16.12	128	7955	1.376	ug/l	95

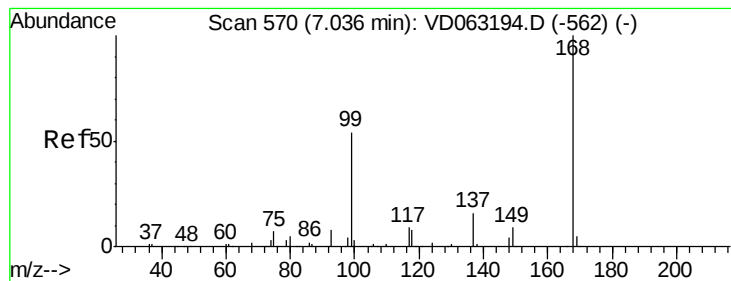
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 09 08:11:42 2019
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Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:04:50 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.02 min

Lab File: VD063459.D

Acq: 9 Aug 2019 2:30

Instrument :

MSVOA_D

ClientSampleID :

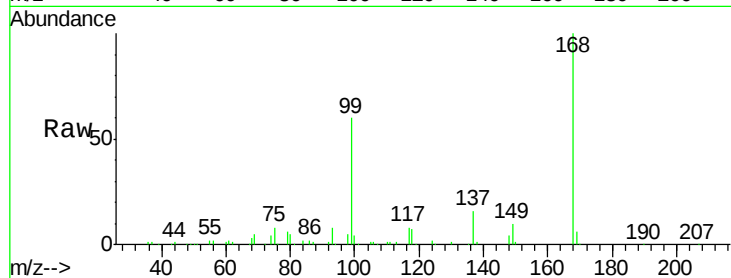
SP-13

Tot Ion:168 Resp: 866777

Ion Ratio Lower Upper

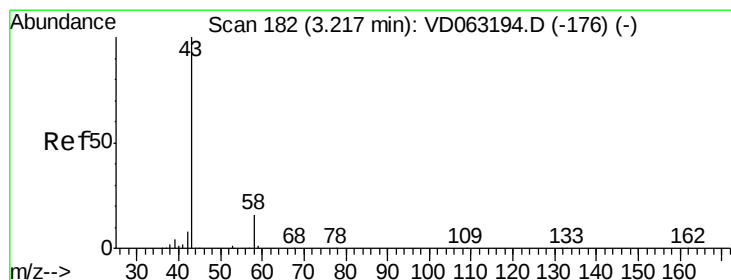
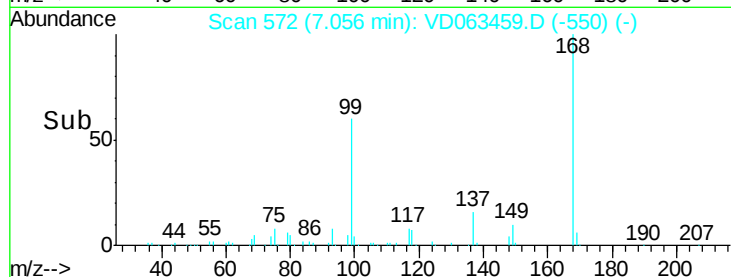
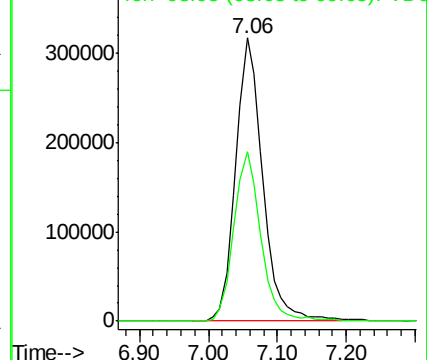
168 100

99 60.0 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 49.809 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD063459.D

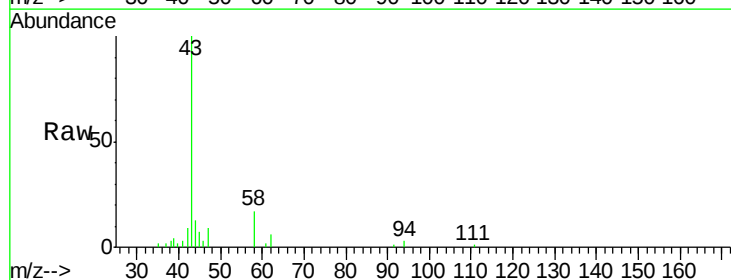
Acq: 9 Aug 2019 2:30

Tgt Ion: 43 Resp: 93338

Ion Ratio Lower Upper

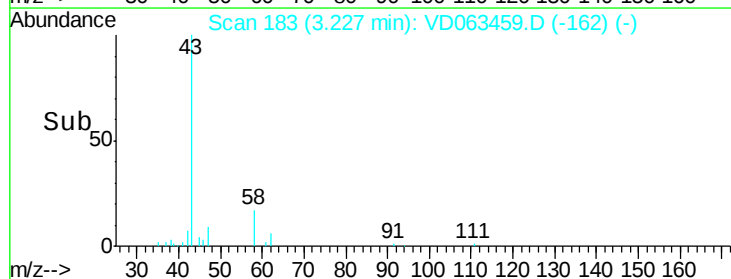
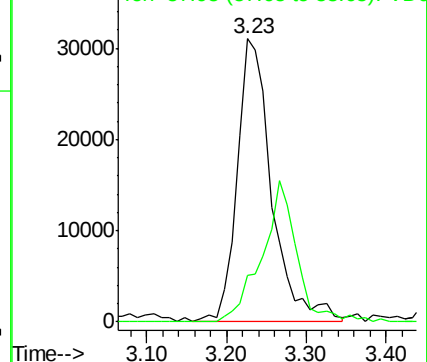
43 100

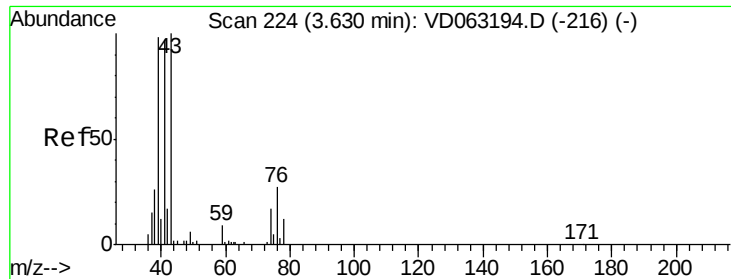
58 16.6 13.0 19.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

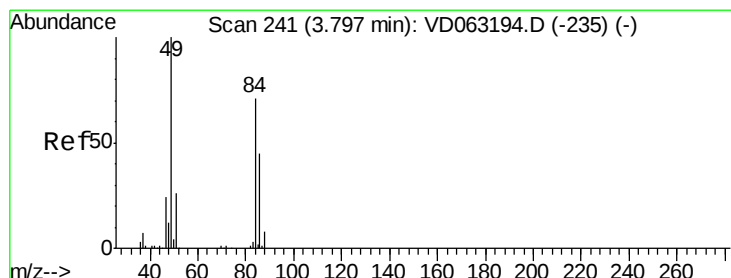
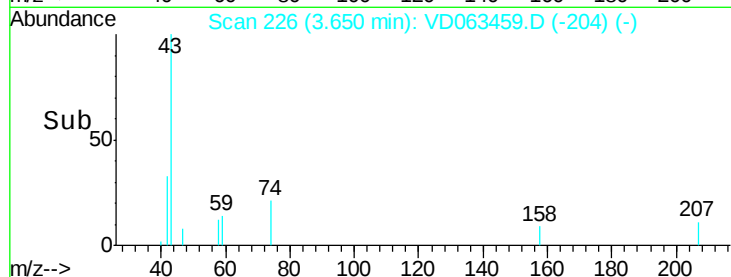
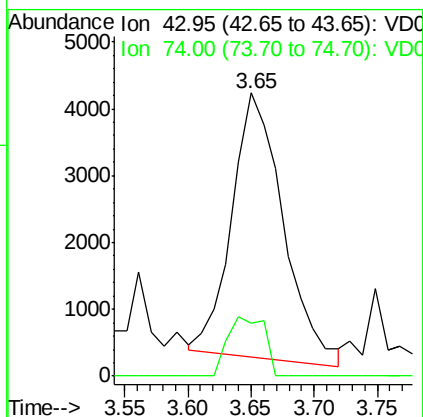
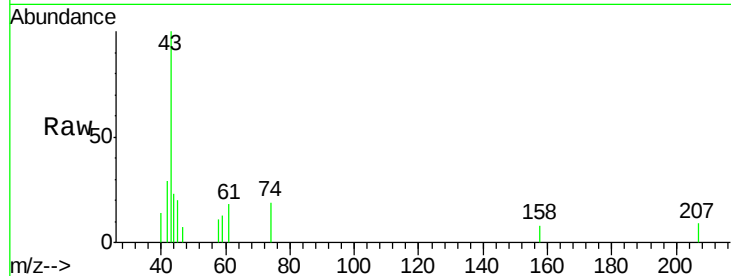




#18
Methyl Acetate
Concen: 3.106 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.02 min
Lab File: VD063459.D
Acq: 9 Aug 2019 2:30

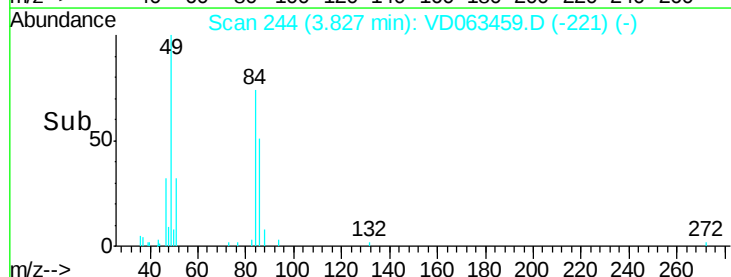
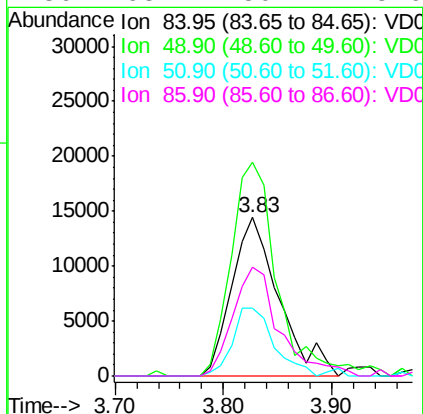
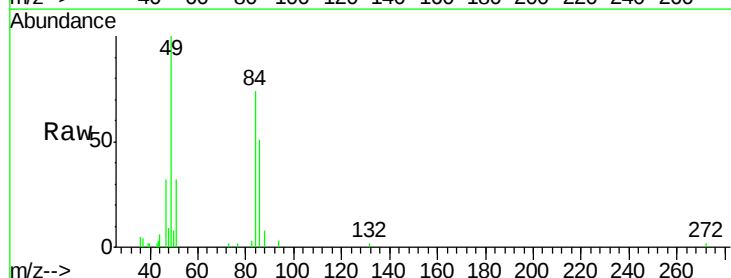
Instrument :
MSVOA_D
ClientSampled :
SP-13

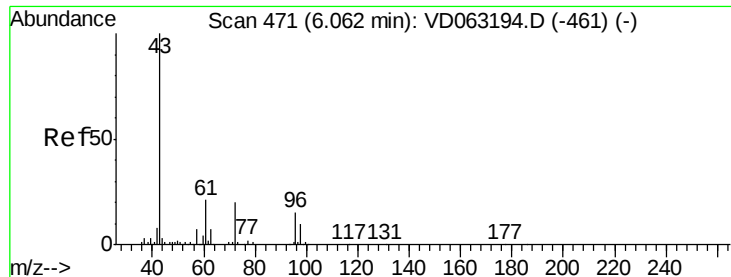
Tot Ion: 43 Resp: 11181
Ion Ratio Lower Upper
43 100
74 18.7 13.8 20.8



#20
Methylene Chloride
Concen: 5.779 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.03 min
Lab File: VD063459.D
Acq: 9 Aug 2019 2:30

Tgt Ion: 84 Resp: 43776
Ion Ratio Lower Upper
84 100
49 135.0 112.5 168.7
51 42.5 29.6 44.4
86 68.4 50.4 75.6





#25

2-Butanone

Concen: 13.970 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.02 min

Lab File: VD063459.D

Acq: 9 Aug 2019 2:30

Instrument :

MSVOA_D

ClientSampleId :

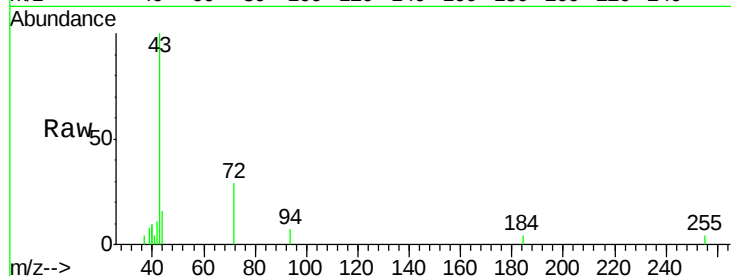
SP-13

Tot Ion: 43 Resp: 26273

Ion Ratio Lower Upper

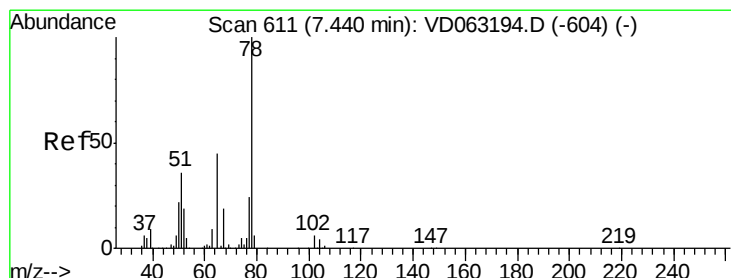
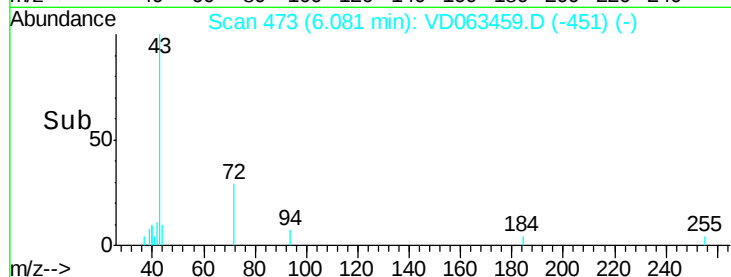
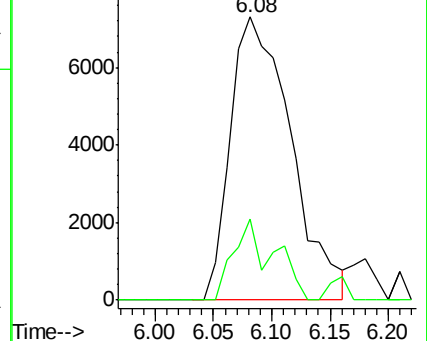
43 100

72 28.9 16.3 24.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#33

1,2-Dichloroethane-d4

Concen: 42.334 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.02 min

Lab File: VD063459.D

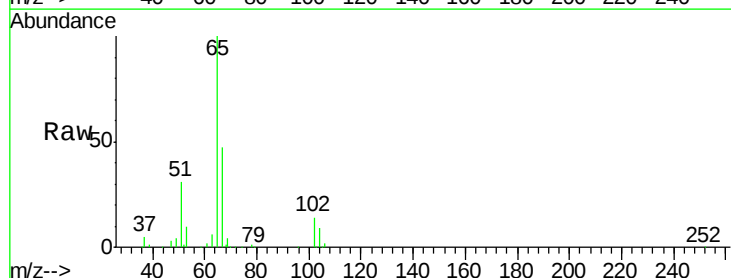
Acq: 9 Aug 2019 2:30

Tgt Ion: 65 Resp: 407161

Ion Ratio Lower Upper

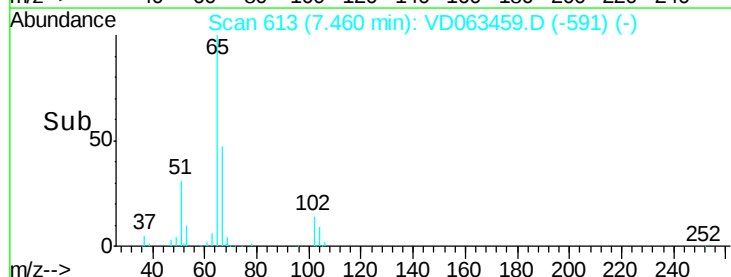
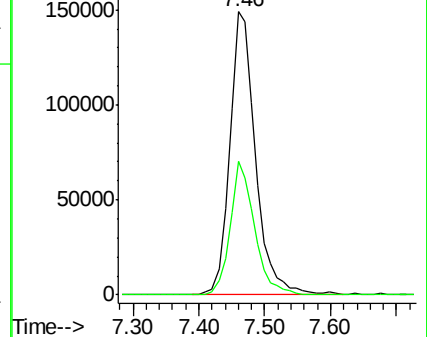
65 100

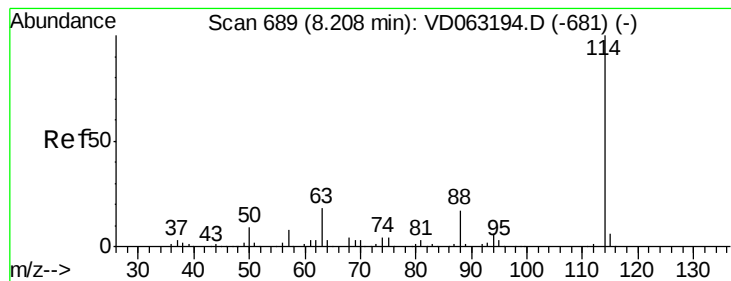
67 47.4 0.0 85.8



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. 0.02 min

Lab File: VD063459.D

Acq: 9 Aug 2019 2:30

Instrument :

MSVOA_D

ClientSampled :

SP-13

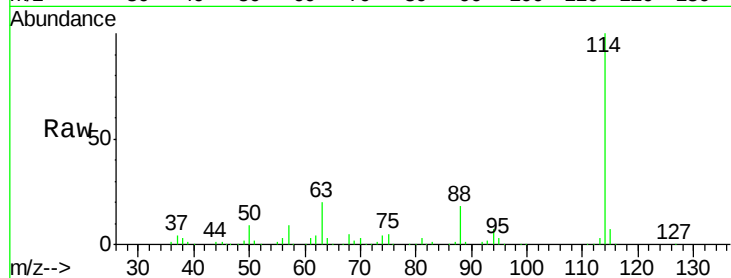
Tot Ion:114 Resp: 1112225

Ion Ratio Lower Upper

114 100

63 19.5 0.0 35.2

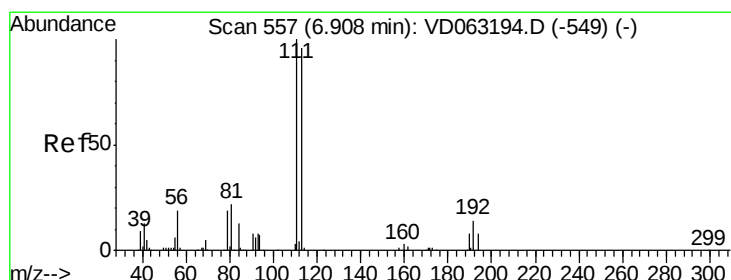
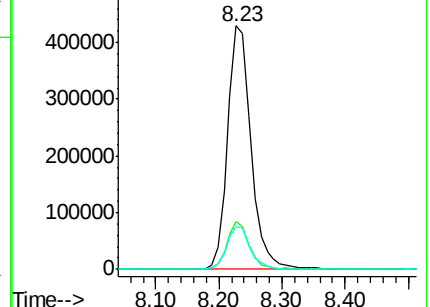
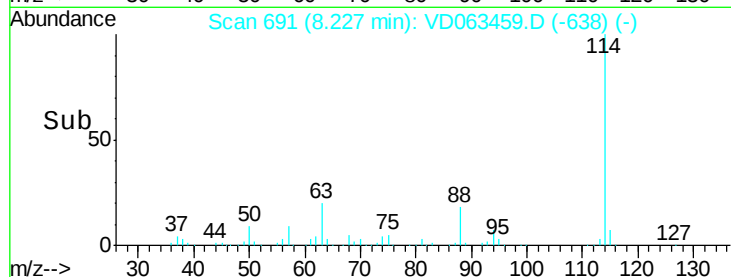
88 17.6 0.0 34.6



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: 39.919 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.03 min

Lab File: VD063459.D

Acq: 9 Aug 2019 2:30

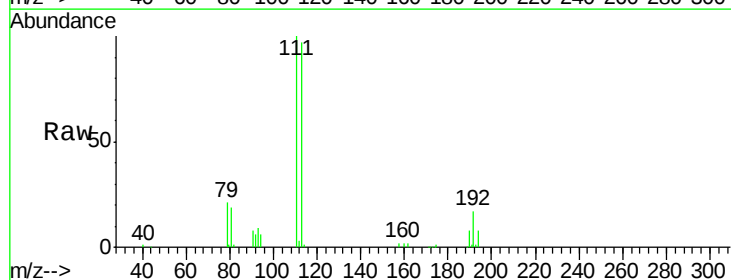
Tgt Ion:113 Resp: 379072

Ion Ratio Lower Upper

113 100

111 103.4 83.2 124.8

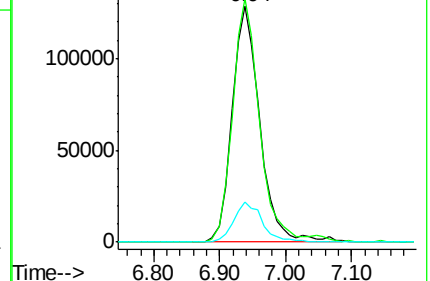
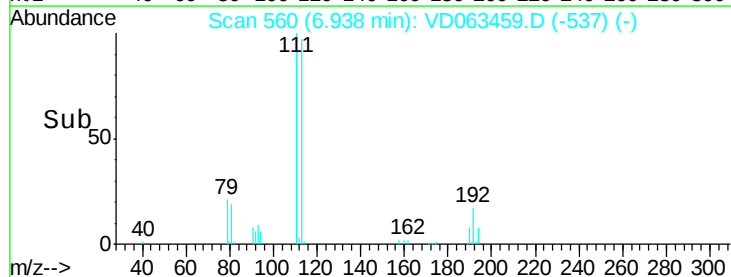
192 17.3 11.8 17.8

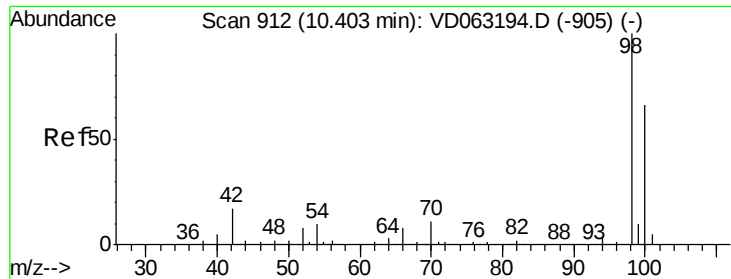


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

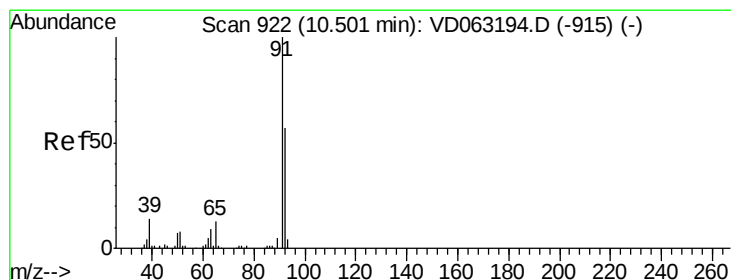
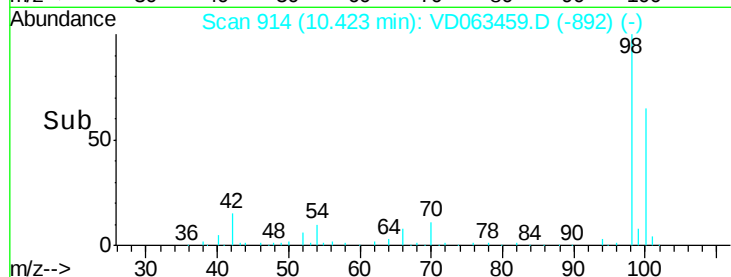
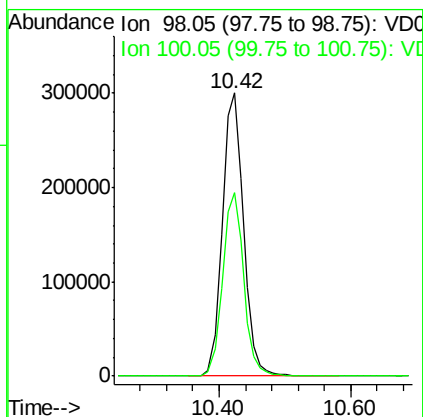
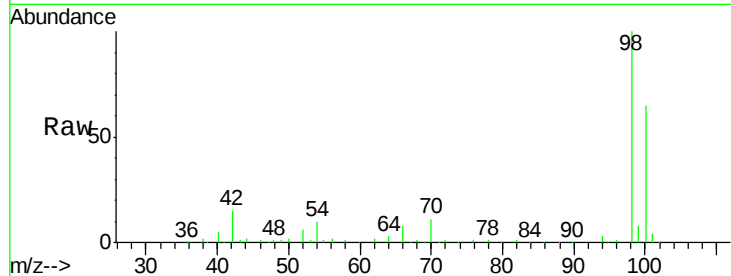




#50
Toluene-d8
Concen: 31.883 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.02 min
Lab File: VD063459.D
Acq: 9 Aug 2019 2:30

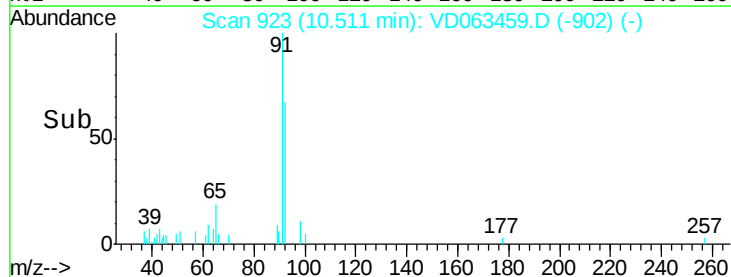
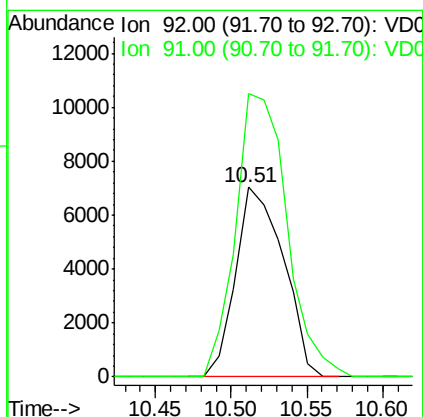
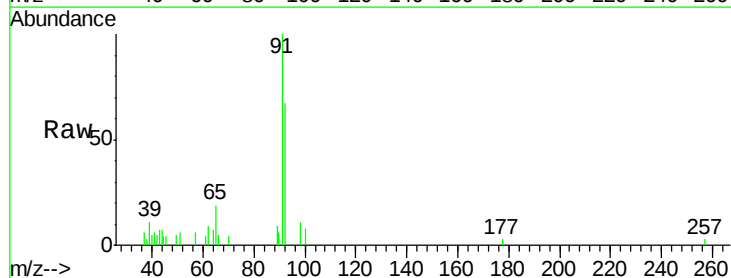
Instrument :
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ClientSampled :
SP-13

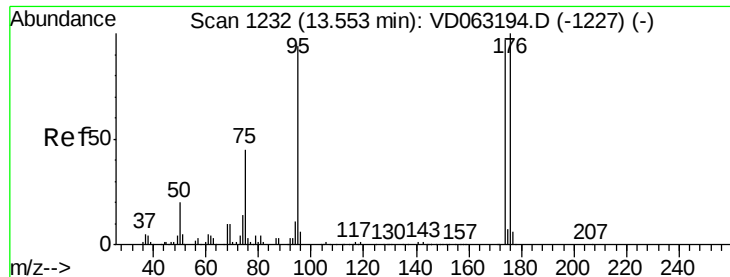
Tot Ion: 98 Resp: 677569
Ion Ratio Lower Upper
98 100
100 64.8 53.2 79.8



#52
Toluene
Concen: 1.092 ug/l
RT: 10.51 min Scan# 923
Delta R.T. 0.01 min
Lab File: VD063459.D
Acq: 9 Aug 2019 2:30

Tgt Ion: 92 Resp: 15454
Ion Ratio Lower Upper
92 100
91 149.2 140.8 211.2





#62

4-Bromofluorobenzene

Concen: 20.497 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD063459.D

Acq: 9 Aug 2019 2:30

Instrument :

MSVOA_D

ClientSampled :

SP-13

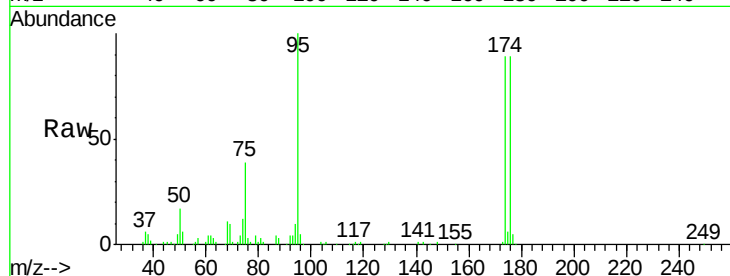
Tot Ion: 95 Resp: 198503

Ion Ratio Lower Upper

95 100

174 88.9 0.0 205.4

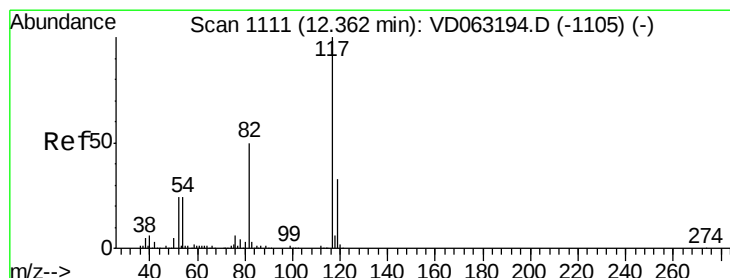
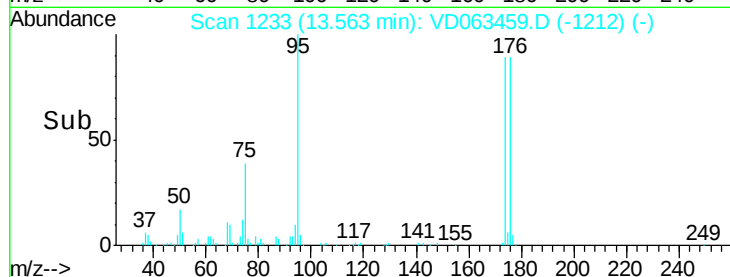
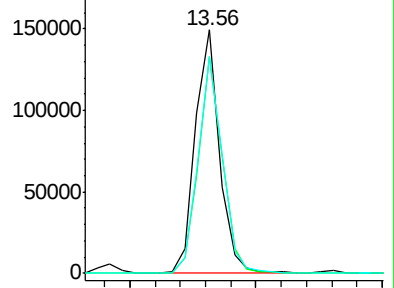
176 89.2 0.0 211.8



Abundance Ion 95.00 (94.70 to 95.70): VD063194.D (-1227) (-)

Ion 173.90 (173.60 to 174.60): VD063194.D (-1227) (-)

Ion 175.90 (175.60 to 176.60): VD063194.D (-1227) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.37 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD063459.D

Acq: 9 Aug 2019 2:30

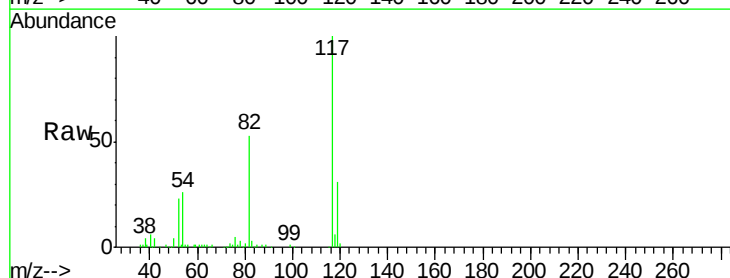
Tgt Ion: 117 Resp: 628635

Ion Ratio Lower Upper

117 100

82 52.9 40.1 60.1

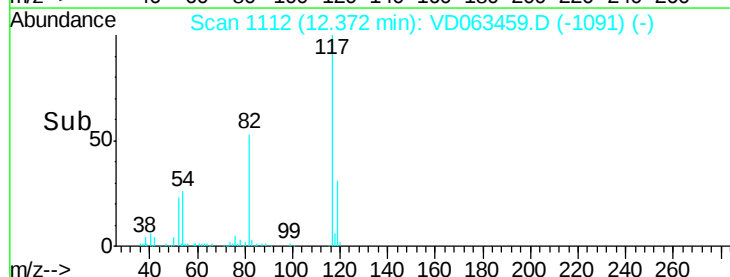
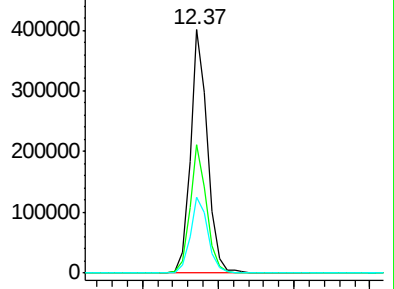
119 31.2 26.5 39.7

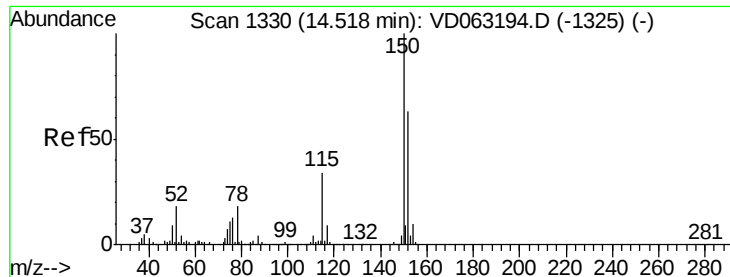


Abundance Ion 116.95 (116.65 to 117.65): VD063194.D (-1105) (-)

Ion 82.05 (81.75 to 82.75): VD063194.D (-1105) (-)

Ion 118.95 (118.65 to 119.65): VD063194.D (-1105) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD063459.D

Acq: 9 Aug 2019 2:30

Instrument :

MSVOA_D

ClientSampleId :

SP-13

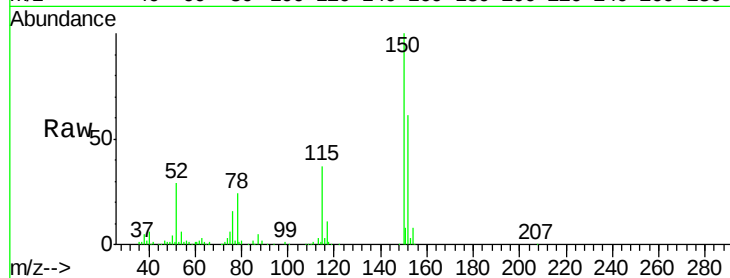
Tot Ion:152 Resp: 186955

Ion Ratio Lower Upper

152 100

115 60.0 27.5 82.4

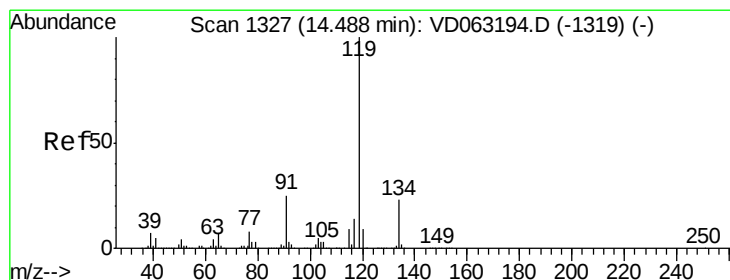
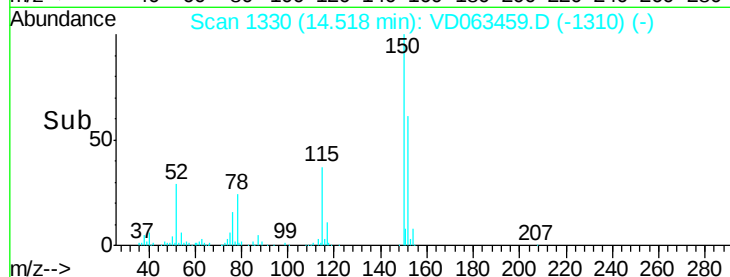
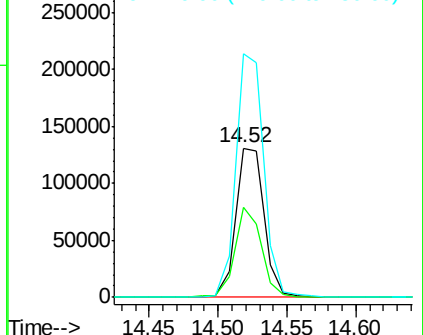
150 162.9 0.0 320.6



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: 1.570 ug/l

RT: 14.50 min Scan# 1328

Delta R.T. 0.01 min

Lab File: VD063459.D

Acq: 9 Aug 2019 2:30

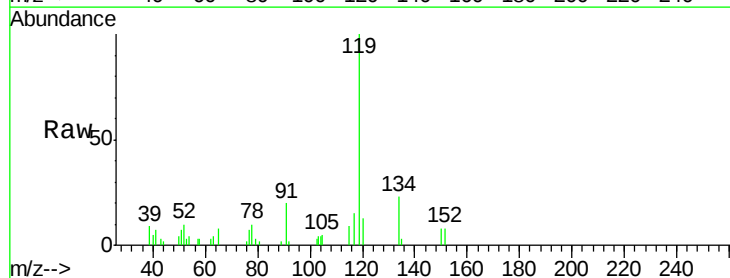
Tgt Ion:119 Resp: 18248

Ion Ratio Lower Upper

119 100

134 23.1 11.5 34.5

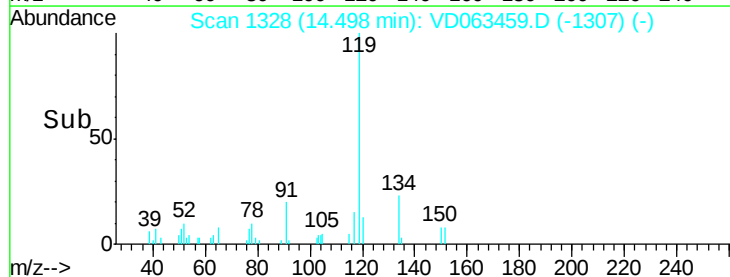
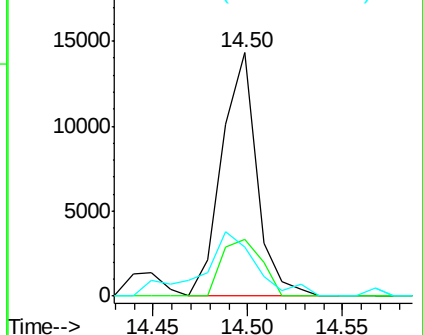
91 20.2 12.6 37.6

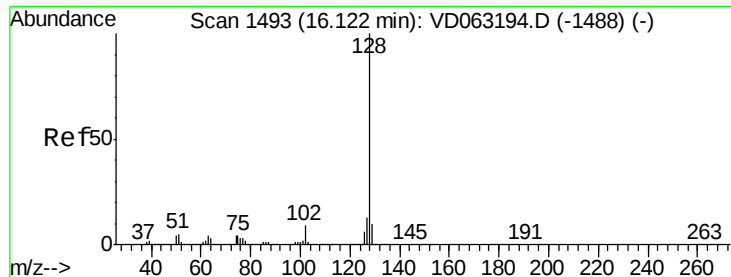


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





#95
Naphthalene
Concen: 1.376 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD063459.D
Acq: 9 Aug 2019 2:30

Instrument :
MSVOA_D
ClientSampleId :
SP-13

Tot Ion	Ratio	Lower	Upper
128	100		
127	10.3	10.2	15.4
129	8.8	7.8	11.8

