

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080819\
 Data File : VD063440.D
 Acq On : 8 Aug 2019 16:03
 Operator : JC/SY
 Sample : K4223-04
 Misc : 4.99g/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-2

Quant Time: Aug 09 07:35:37 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

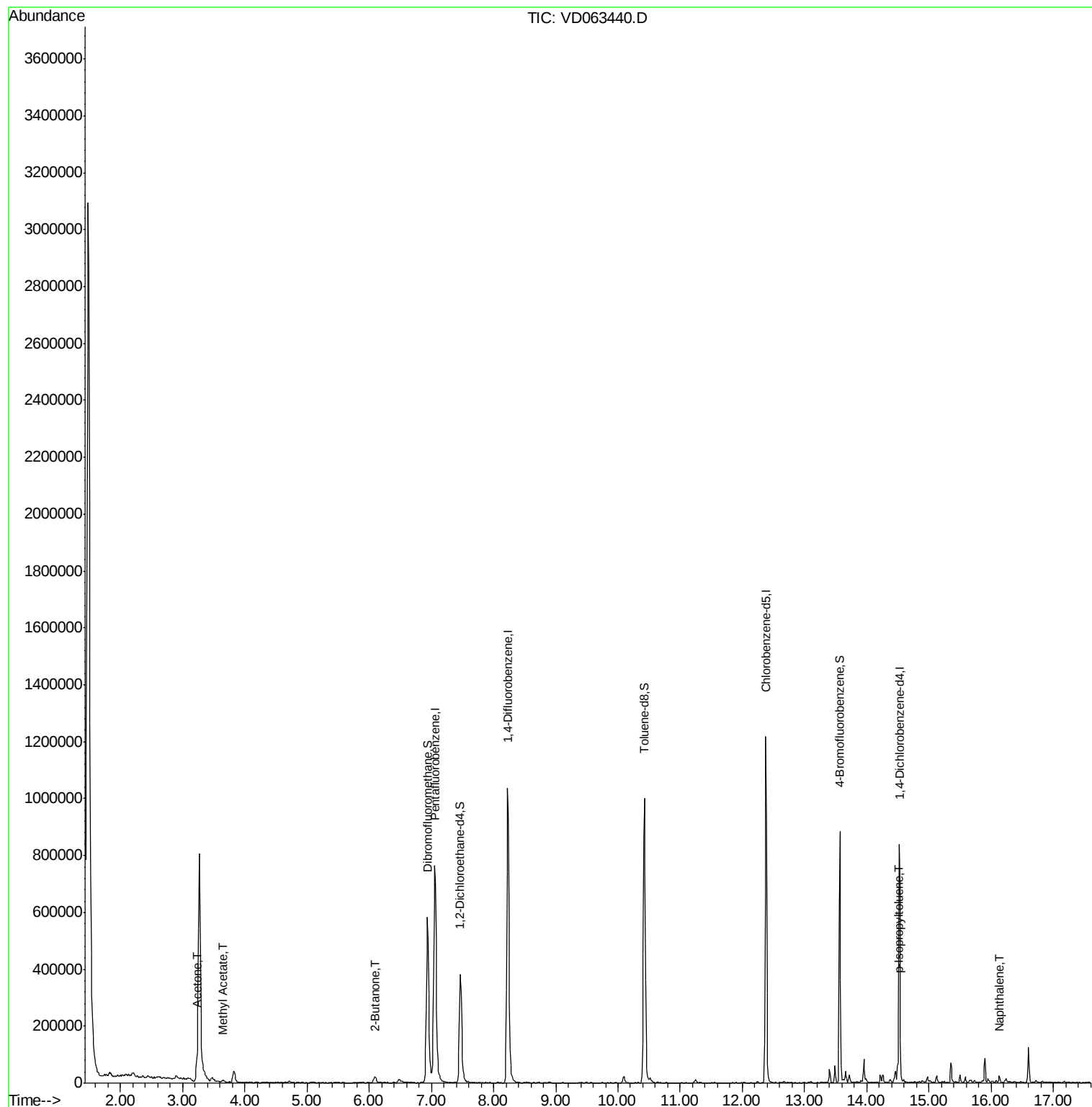
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	774642	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	1108570	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	668150	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	190557	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	461974	53.75	ug/l	0.02
Spiked Amount 50.000			Recovery	=	107.50%	
35) Dibromofluoromethane	6.94	113	489290	51.70	ug/l	0.03
Spiked Amount 50.000			Recovery	=	103.40%	
50) Toluene-d8	10.42	98	829295	39.15	ug/l	0.02
Spiked Amount 50.000			Recovery	=	78.30%	
62) 4-Bromofluorobenzene	13.56	95	240933	24.96	ug/l	0.01
Spiked Amount 50.000			Recovery	=	49.92%	
Target Compounds						
16) Acetone	3.23	43	139109	83.064	ug/l #	90
18) Methyl Acetate	3.64	43	13479	4.190	ug/l #	87
25) 2-Butanone	6.10	43	47191	28.078	ug/l #	84
86) p-Isopropyltoluene	14.50	119	32991	2.785	ug/l	95
95) Naphthalene	16.12	128	13798	2.341	ug/l #	88

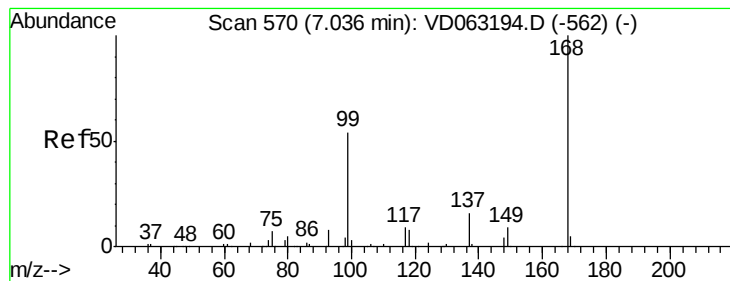
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SP-2

Quant Time: Aug 09 07:35:37 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
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: VD063440.D

Acq: 8 Aug 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

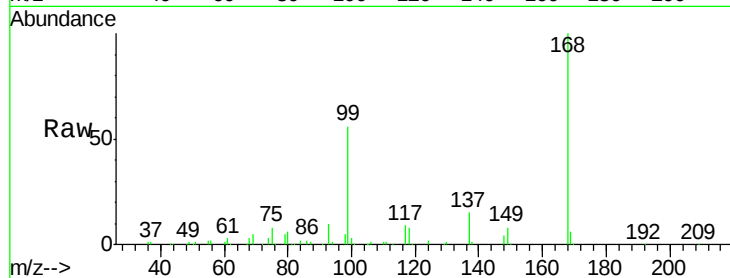
SP-2

Tot Ion:168 Resp: 774642

Ion Ratio Lower Upper

168 100

99 55.6 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

250000

200000

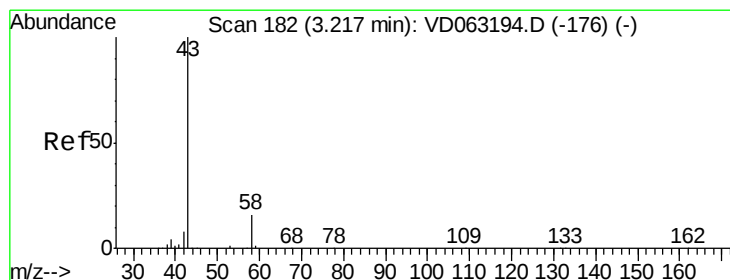
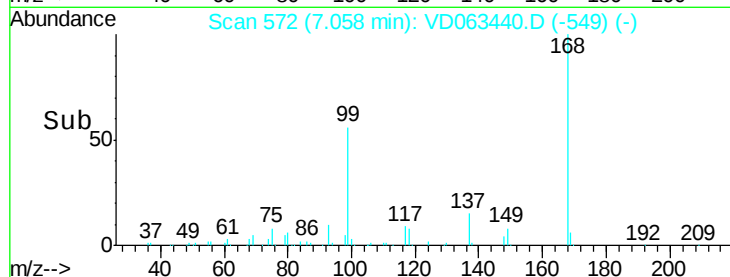
150000

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#16

Acetone

Concen: 83.064 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD063440.D

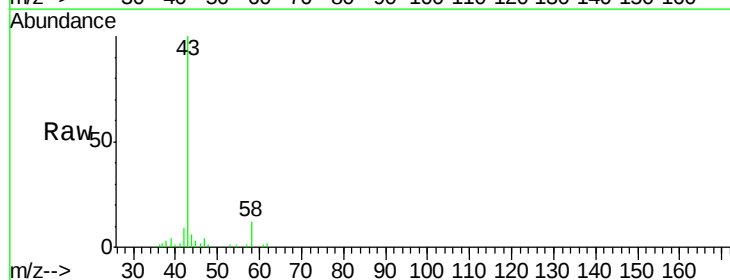
Acq: 8 Aug 2019 16:03

Tgt Ion: 43 Resp: 139109

Ion Ratio Lower Upper

43 100

58 12.0 13.0 19.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.23

60000

50000

40000

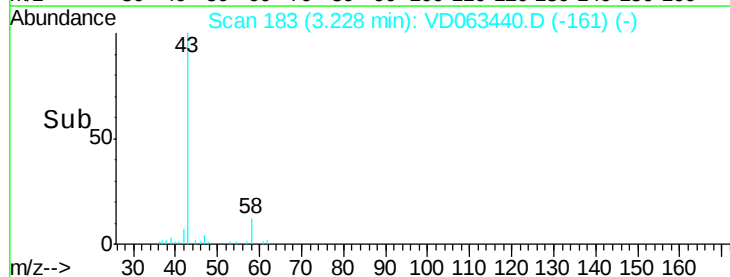
30000

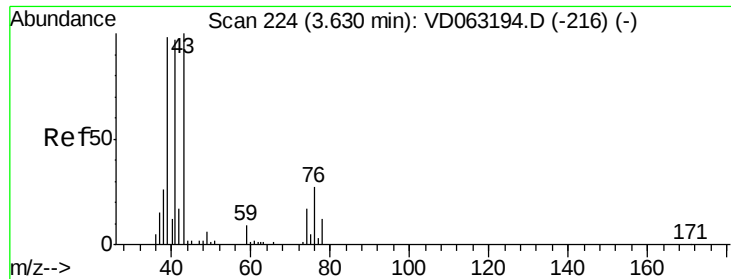
20000

10000

0

Time--> 3.10 3.20 3.30 3.40

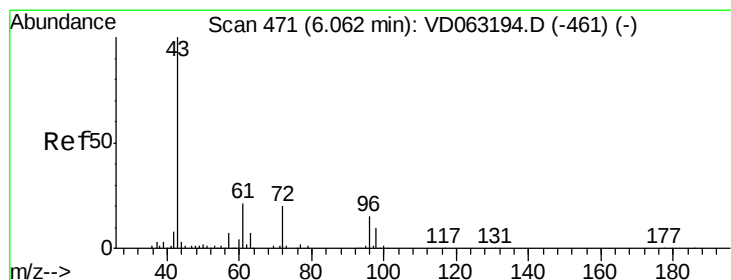
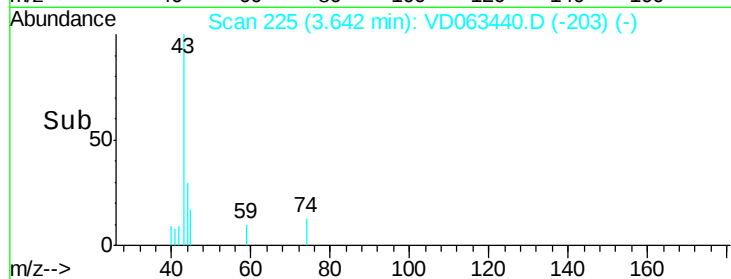
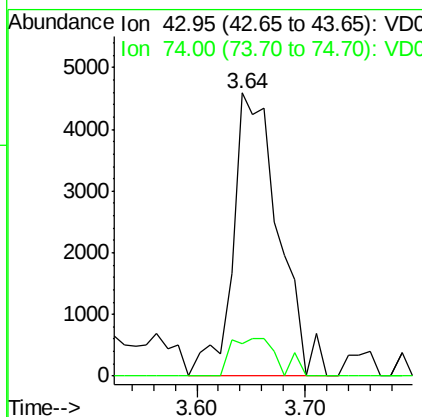
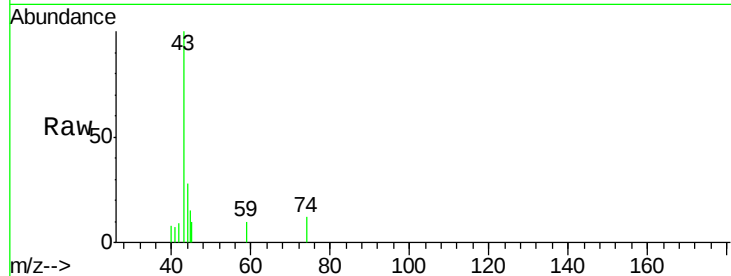




#18
Methvl Acetate
Concen: 4.190 ug/l
RT: 3.64 min Scan# 225
Delta R.T. 0.01 min
Lab File: VD063440.D
Acq: 8 Aug 2019 16:03

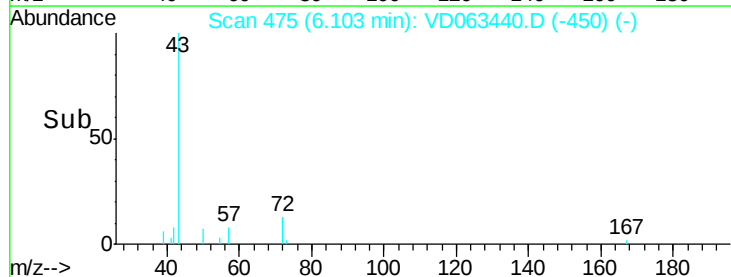
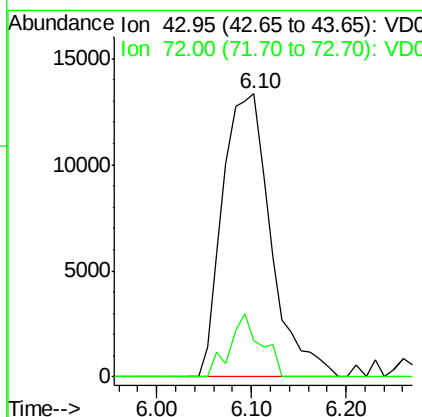
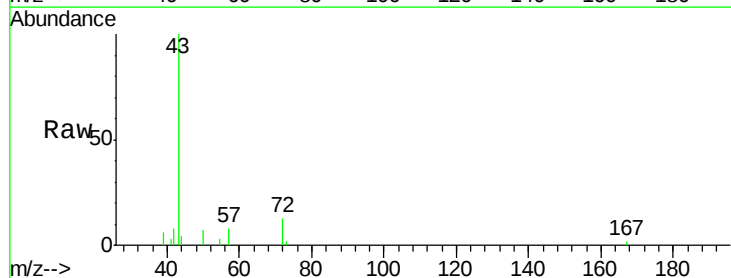
Instrument :
MSVOA_D
ClientSampled :
SP-2

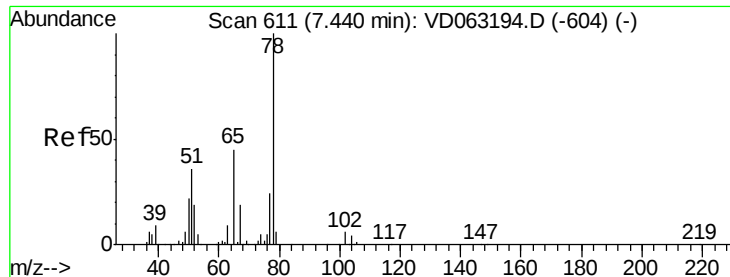
Tot Ion: 43 Resp: 13479
Ion Ratio Lower Upper
43 100
74 11.6 13.8 20.8#



#25
2-Butanone
Concen: 28.078 ug/l
RT: 6.10 min Scan# 475
Delta R.T. 0.04 min
Lab File: VD063440.D
Acq: 8 Aug 2019 16:03

Tgt Ion: 43 Resp: 47191
Ion Ratio Lower Upper
43 100
72 12.9 16.3 24.5#





#33

1,2-Dichloroethane-d4

Concen: 53.747 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.02 min

Lab File: VD063440.D

Acq: 8 Aug 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

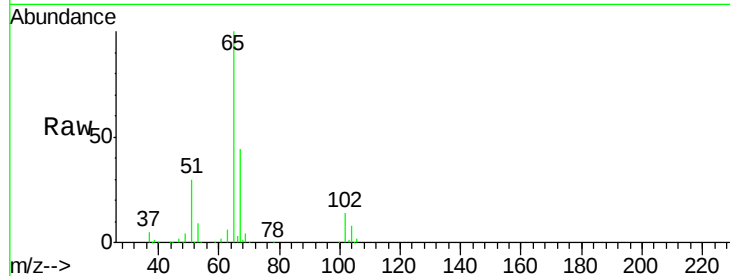
SP-2

Tot Ion: 65 Resp: 461974

Ion Ratio Lower Upper

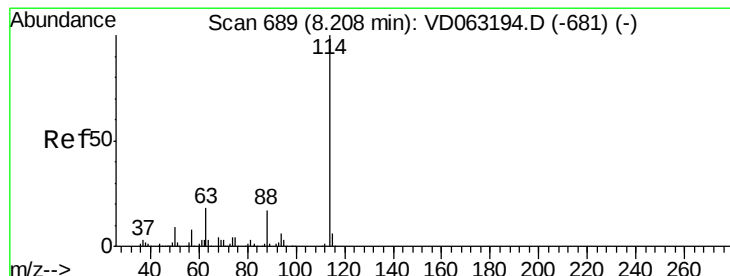
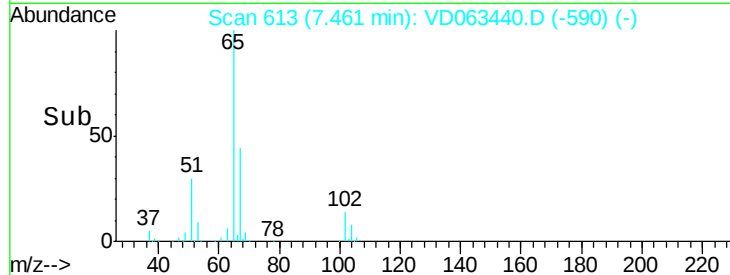
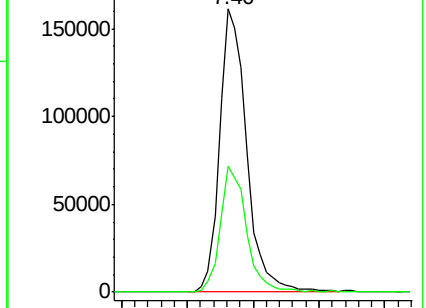
65 100

67 44.4 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: VD063440.D

Acq: 8 Aug 2019 16:03

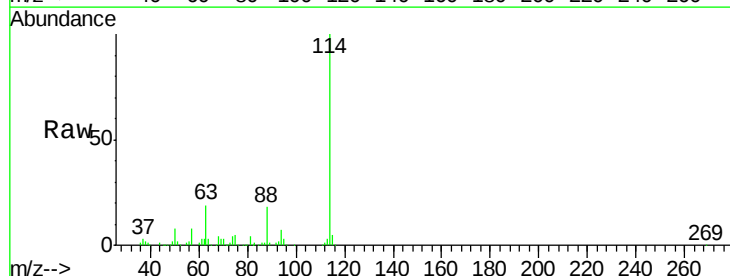
Tgt Ion: 114 Resp: 1108570

Ion Ratio Lower Upper

114 100

63 18.7 0.0 35.2

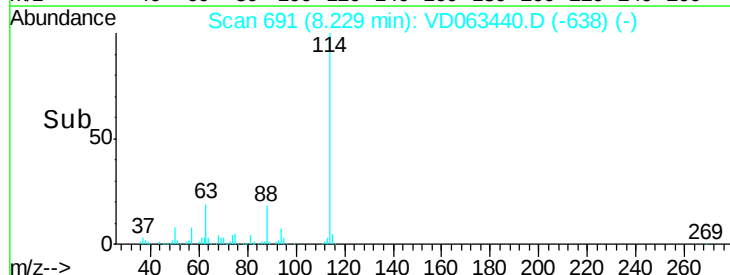
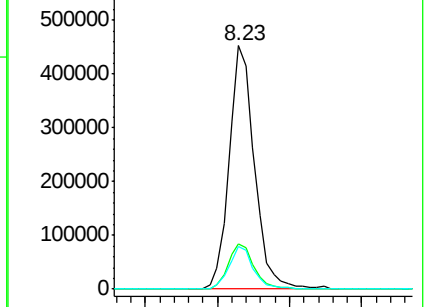
88 17.6 0.0 34.6

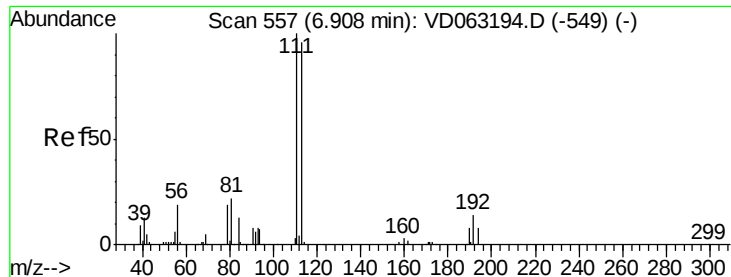


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 51.696 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.03 min

Lab File: VD063440.D

Acq: 8 Aug 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

SP-2

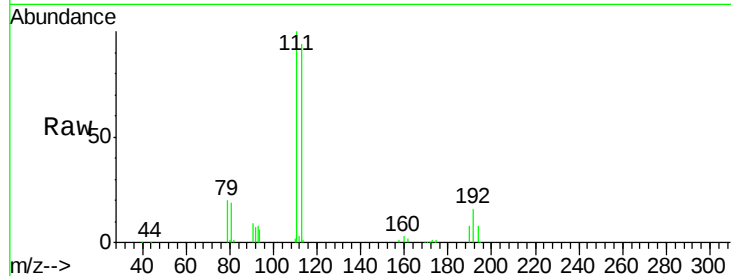
Tot Ion:113 Resp: 489290

Ion Ratio Lower Upper

113 100

111 106.0 83.2 124.8

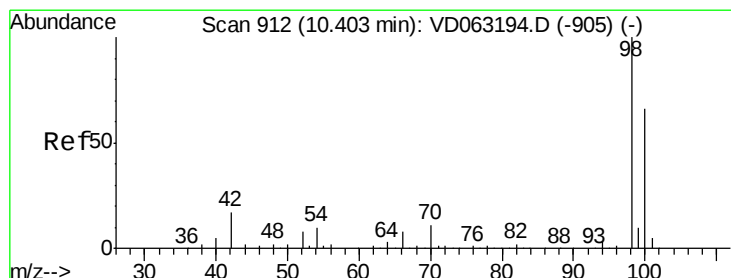
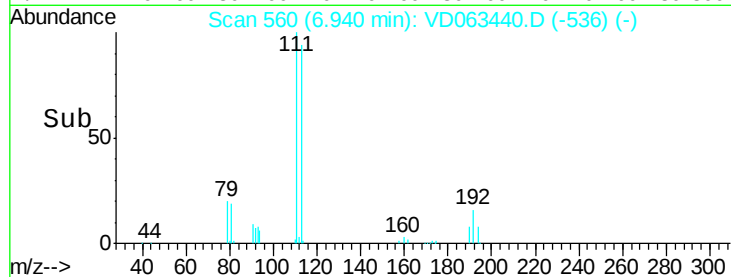
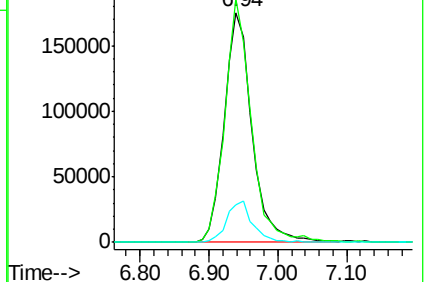
192 16.6 11.8 17.8



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: 39.151 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.02 min

Lab File: VD063440.D

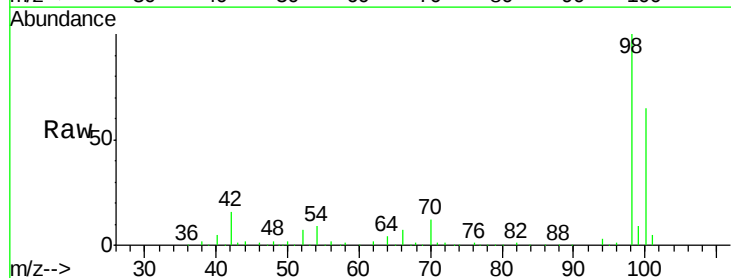
Acq: 8 Aug 2019 16:03

Tgt Ion: 98 Resp: 829295

Ion Ratio Lower Upper

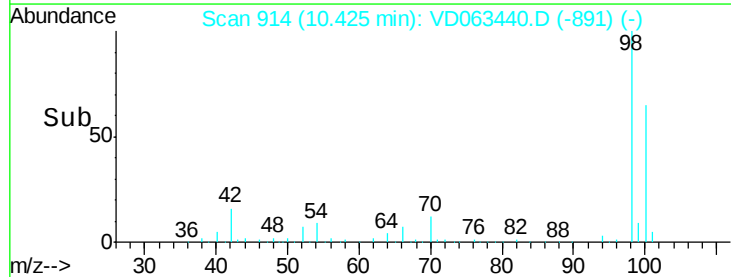
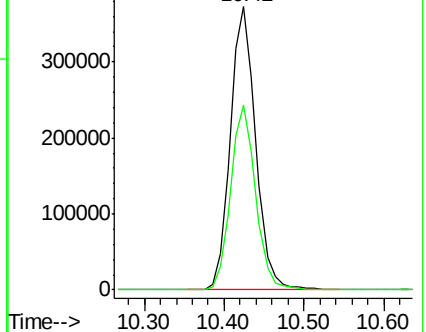
98 100

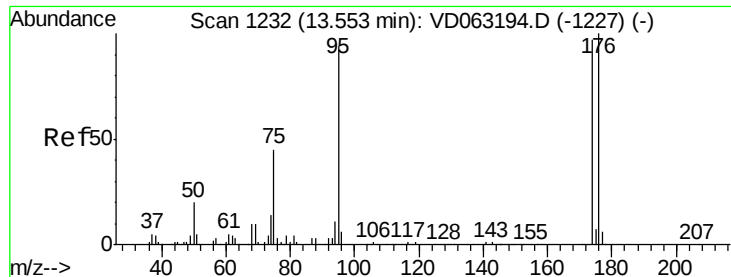
100 65.1 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

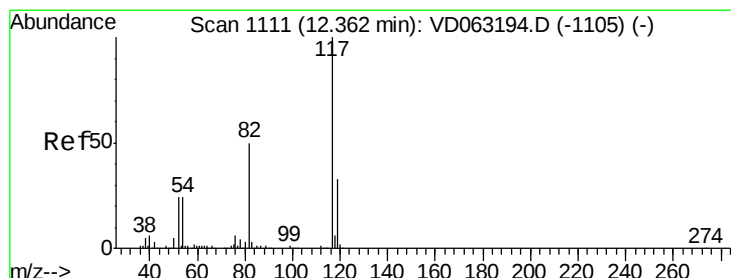
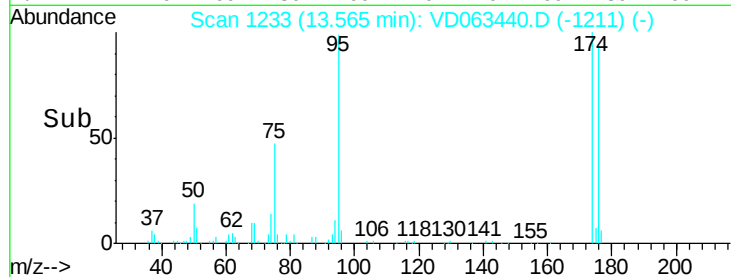
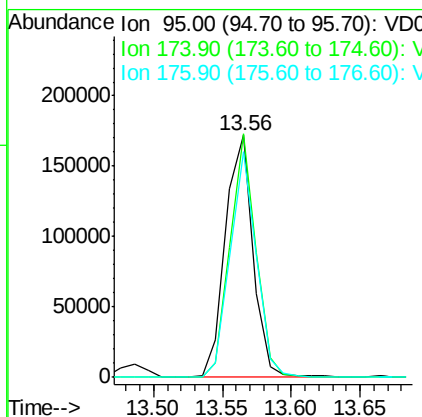
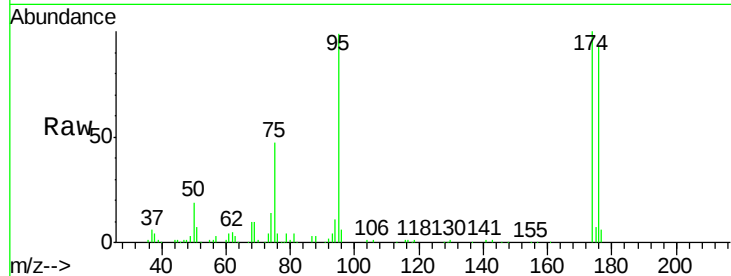




#62
4-Bromofluorobenzene
Concen: 24.960 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD063440.D
Acq: 8 Aug 2019 16:03

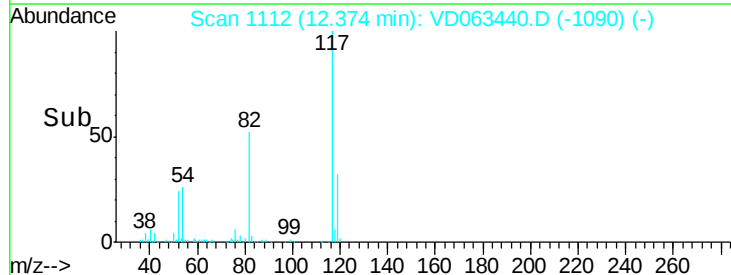
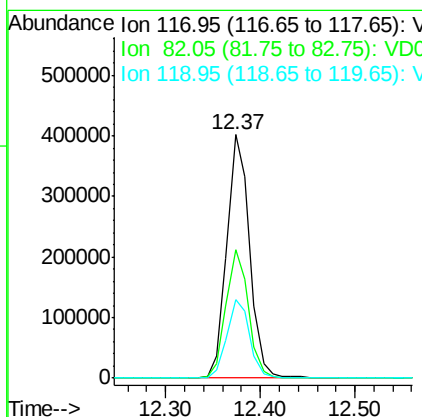
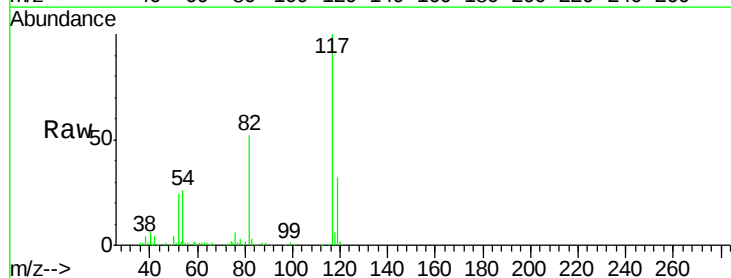
Instrument :
MSVOA_D
ClientSampled :
SP-2

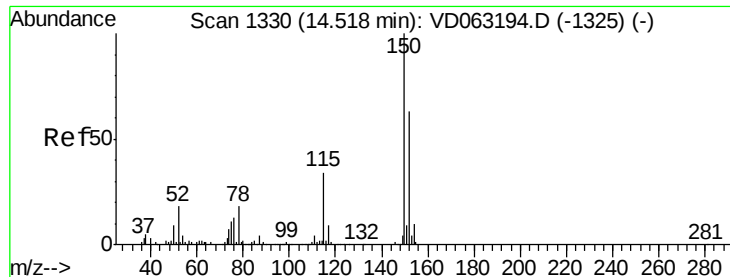
Tot Ion	Ratio	Lower	Upper
95	100		
174	100.6	0.0	205.4
176	93.2	0.0	211.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD063440.D
Acq: 8 Aug 2019 16:03

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.5	40.1	60.1
119	32.4	26.5	39.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD063440.D

Acq: 8 Aug 2019 16:03

Instrument :

MSVOA_D

ClientSampled :

SP-2

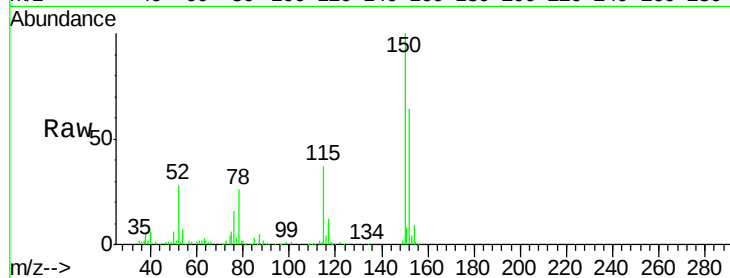
Tot Ion:152 Resp: 190557

Ion Ratio Lower Upper

152 100

115 58.2 27.5 82.4

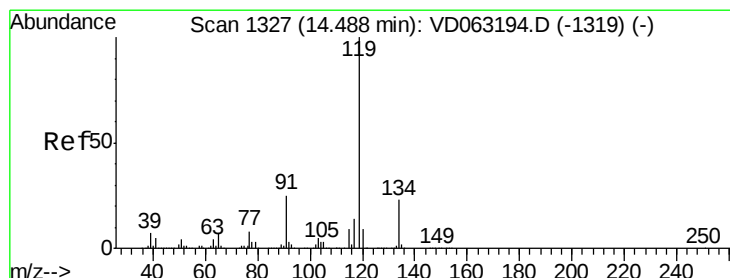
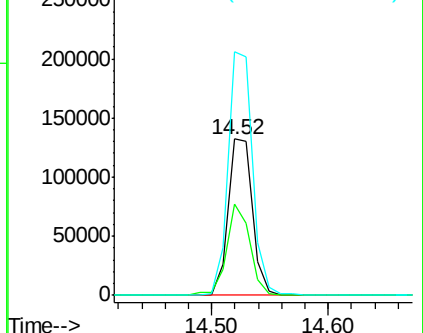
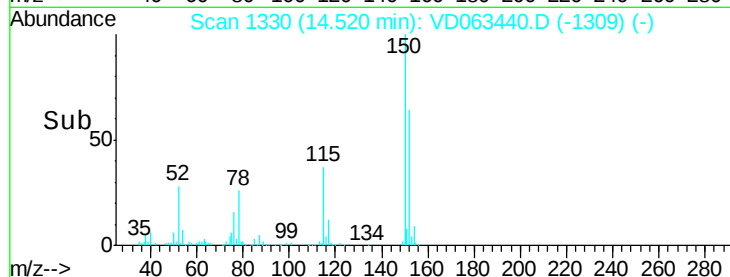
150 155.8 0.0 320.6



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: 2.785 ug/l

RT: 14.50 min Scan# 1328

Delta R.T. 0.01 min

Lab File: VD063440.D

Acq: 8 Aug 2019 16:03

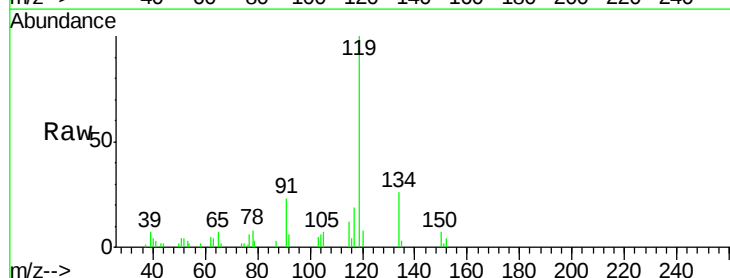
Tgt Ion:119 Resp: 32991

Ion Ratio Lower Upper

119 100

134 25.9 11.5 34.5

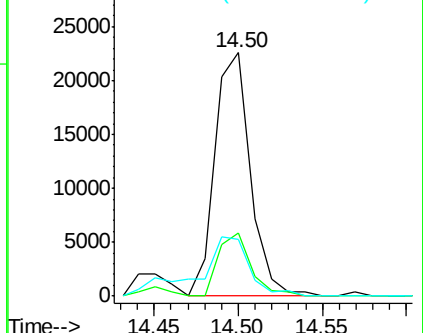
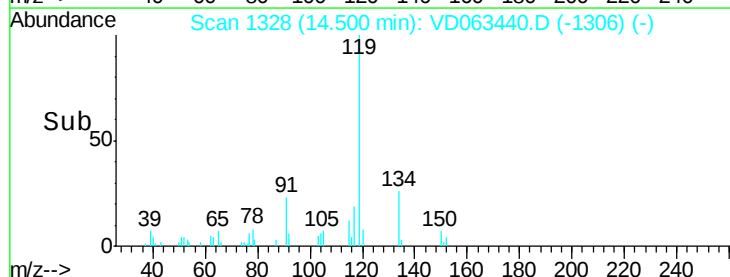
91 23.3 12.6 37.6

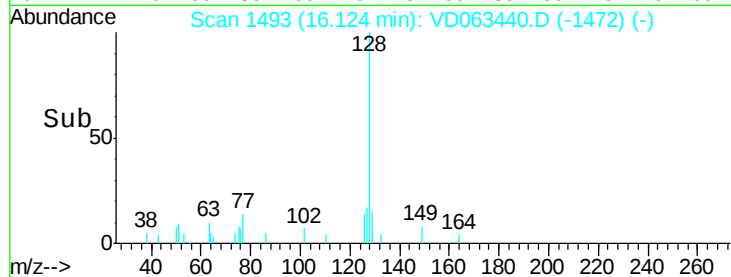
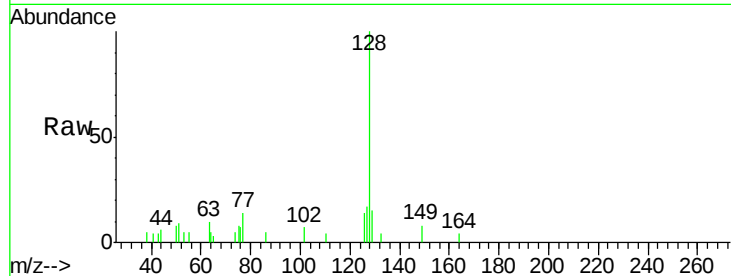
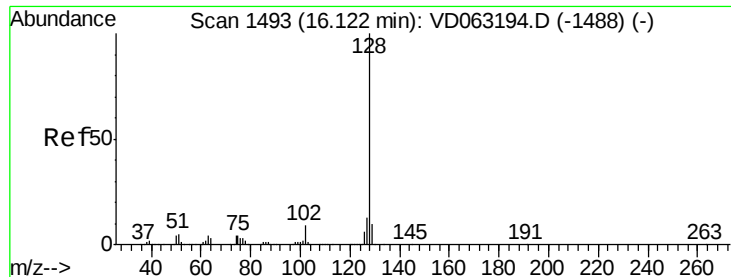


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





#95

Naphthalene

Concen: 2.341 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VD063440.D

Acq: 8 Aug 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

SP-2

Tot Ion:128 Resp: 13798

Ion Ratio Lower Upper

128 100

127 17.0 10.2 15.4#

129 14.8 7.8 11.8#

