

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080819\
 Data File : VD063449.D
 Acq On : 8 Aug 2019 20:08
 Operator : JC/SY
 Sample : K4223-18
 Misc : 6.38g/5ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-9

Quant Time: Aug 09 07:54:34 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

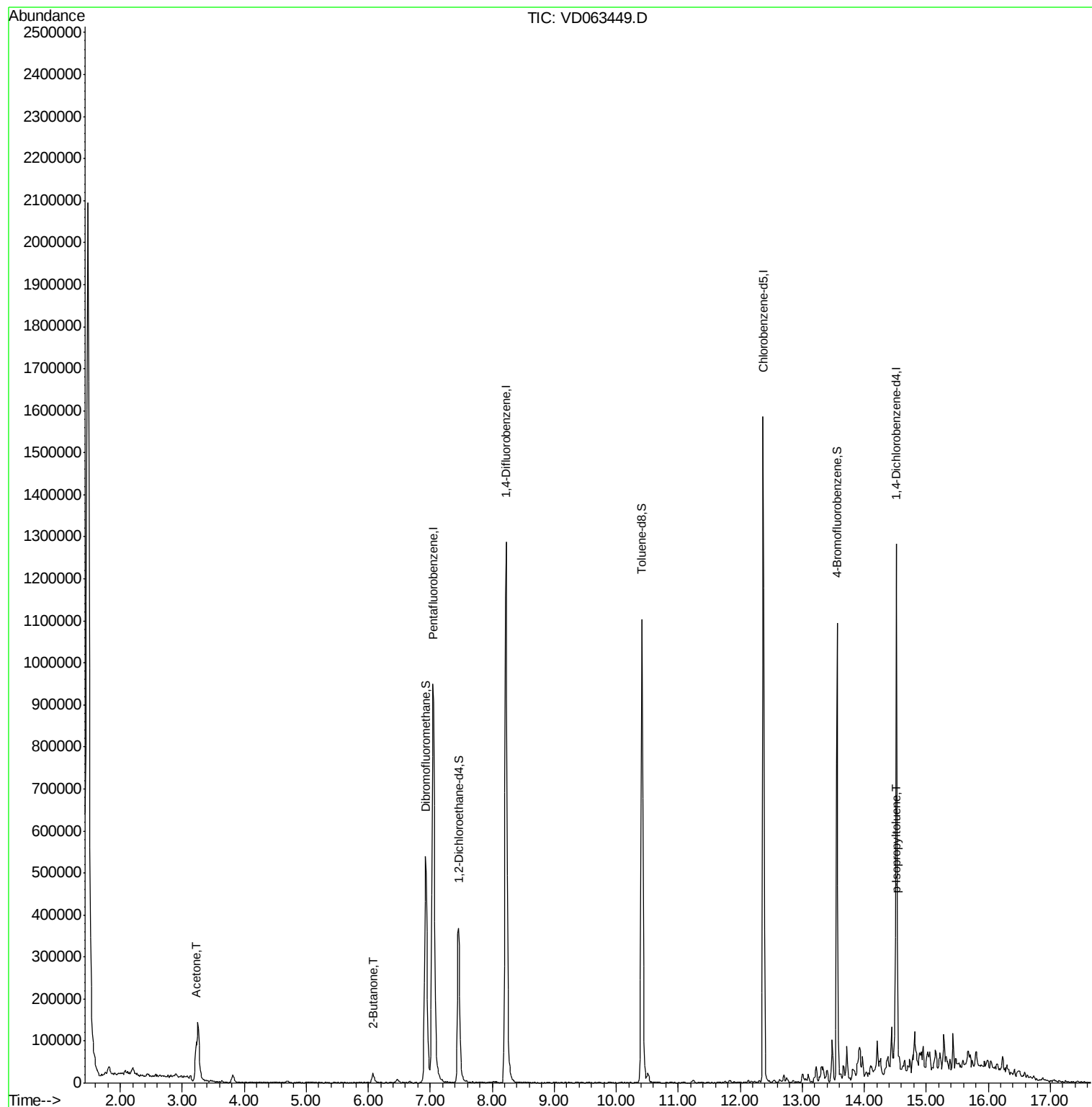
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	970416	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	1374357	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	869172	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	304514	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	443840	41.22	ug/l	0.02
Spiked Amount 50.000			Recovery	=	82.44%	
35) Dibromofluoromethane	6.93	113	487124	41.51	ug/l	0.02
Spiked Amount 50.000			Recovery	=	83.02%	
50) Toluene-d8	10.42	98	936844	35.67	ug/l	0.02
Spiked Amount 50.000			Recovery	=	71.34%	
62) 4-Bromofluorobenzene	13.56	95	285454	23.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	47.70%	
Target Compounds						
16) Acetone	3.23	43	169250	80.673	ug/l	95
25) 2-Butanone	6.07	43	43246	20.540	ug/l #	84
86) p-Isopropyltoluene	14.50	119	48474	2.561	ug/l	97

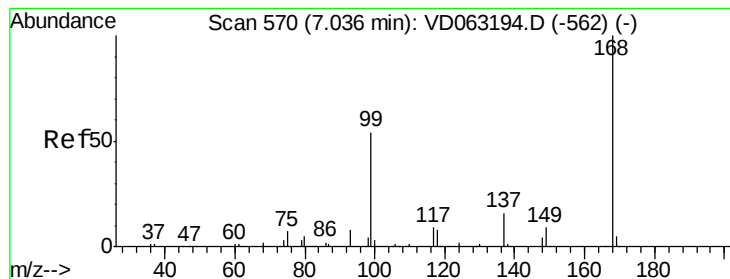
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.05 min Scan# 572

Delta R.T. 0.02 min

Lab File: VD063449.D

Acq: 8 Aug 2019 20:08

Instrument :

MSVOA_D

ClientSampleID :

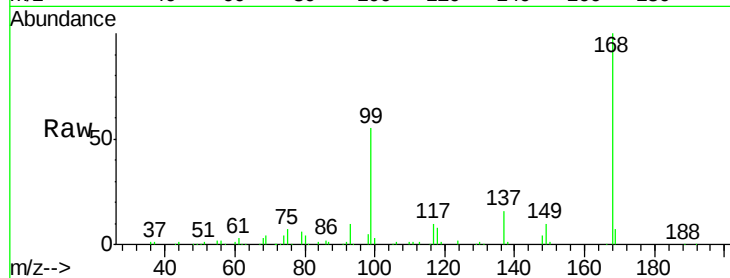
SP-9

Tot Ion:168 Resp: 970416

Ion Ratio Lower Upper

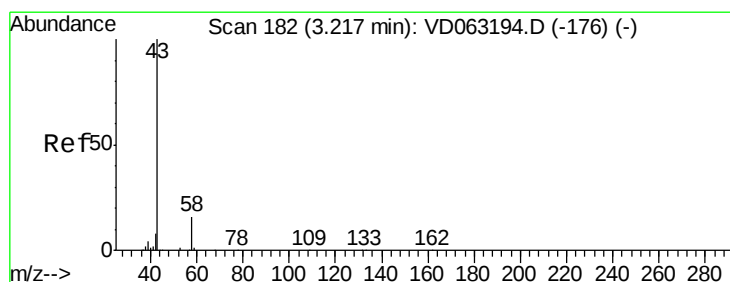
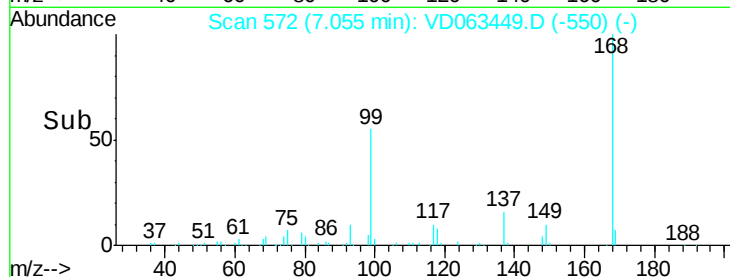
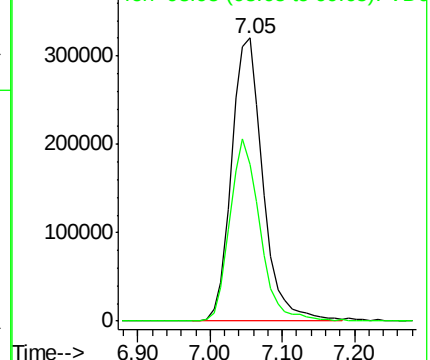
168 100

99 55.5 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: 80.673 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD063449.D

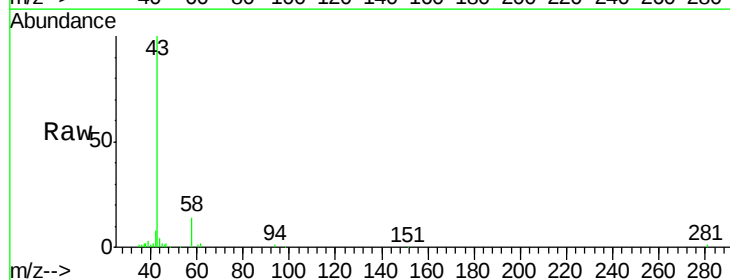
Acq: 8 Aug 2019 20:08

Tgt Ion: 43 Resp: 169250

Ion Ratio Lower Upper

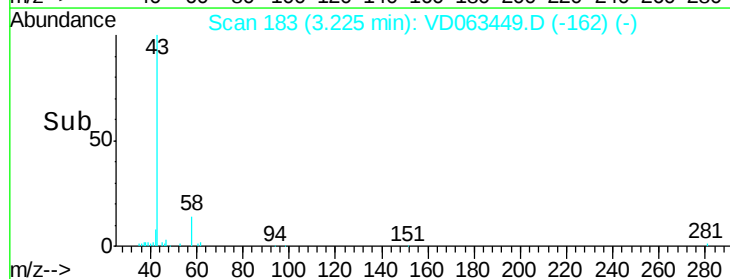
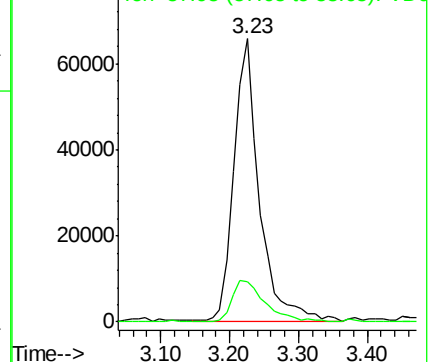
43 100

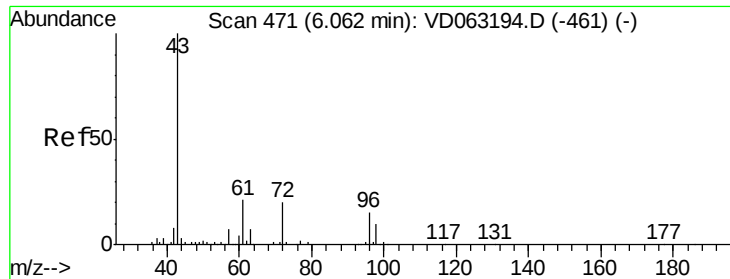
58 14.1 13.0 19.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#25

2-Butanone

Concen: 20.540 ug/l

RT: 6.07 min Scan# 472

Delta R.T. 0.01 min

Lab File: VD063449.D

Acq: 8 Aug 2019 20:08

Instrument :

MSVOA_D

ClientSampleId :

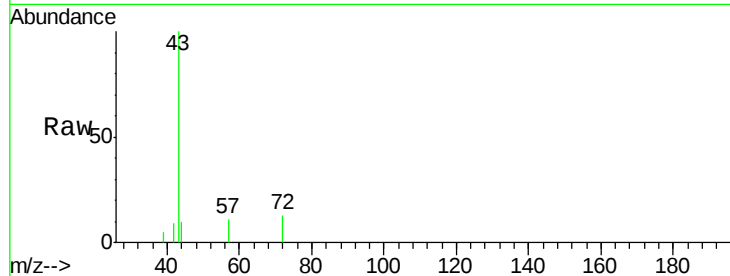
SP-9

Tot Ion: 43 Resp: 43246

Ion Ratio Lower Upper

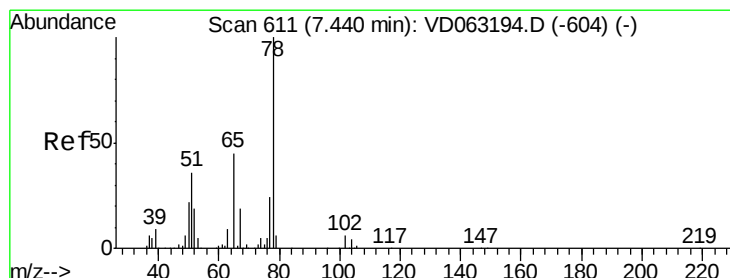
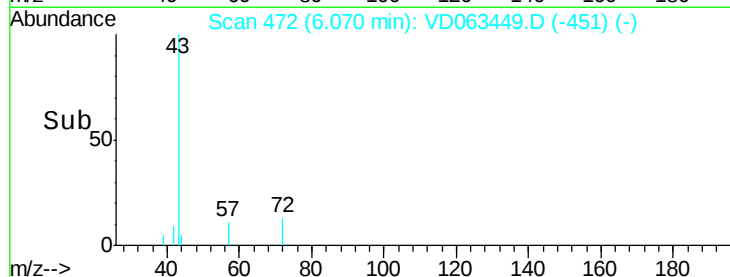
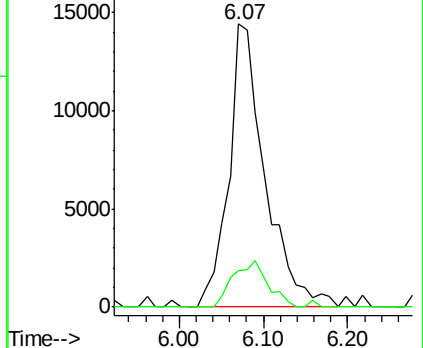
43 100

72 12.8 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: 41.220 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.02 min

Lab File: VD063449.D

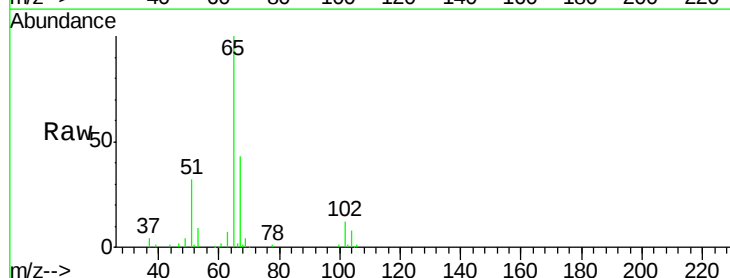
Acq: 8 Aug 2019 20:08

Tgt Ion: 65 Resp: 443840

Ion Ratio Lower Upper

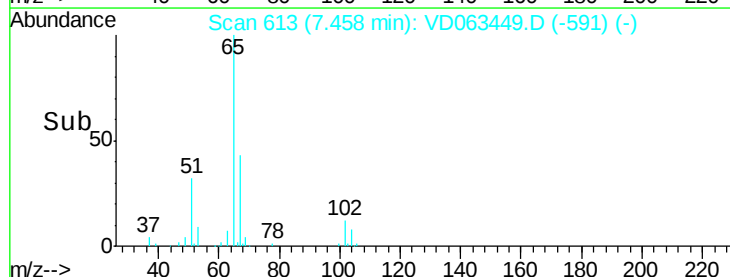
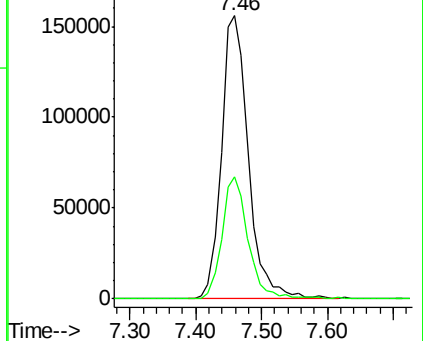
65 100

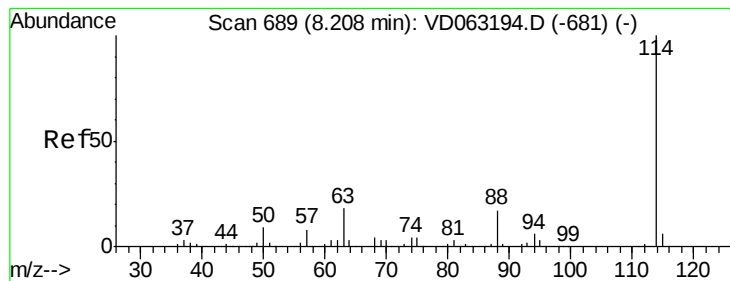
67 42.9 0.0 85.8



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: VD063449.D

Acq: 8 Aug 2019 20:08

Instrument :

MSVOA_D

ClientSampleId :

SP-9

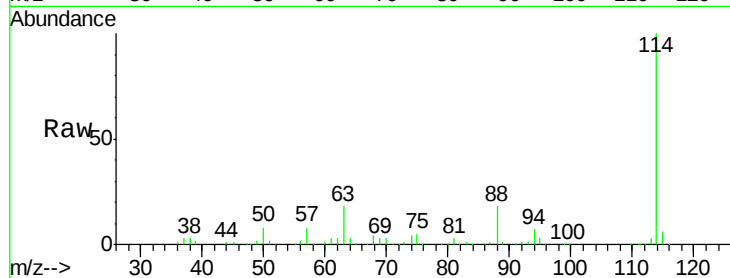
Tot Ion:114 Resp: 1374357

Ion Ratio Lower Upper

114 100

63 18.2 0.0 35.2

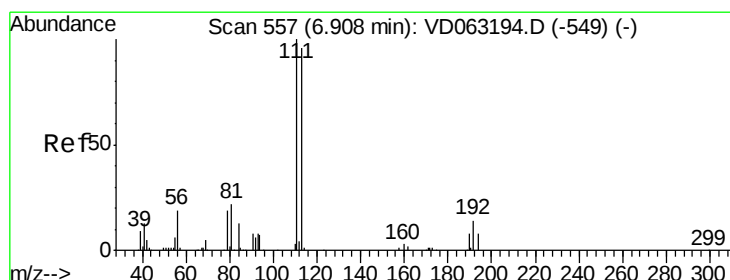
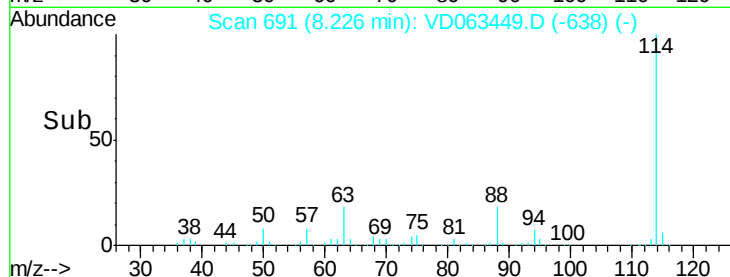
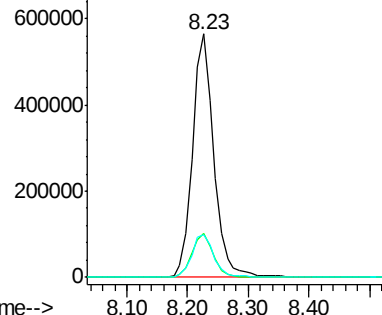
88 17.6 0.0 34.6



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: 41.514 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.02 min

Lab File: VD063449.D

Acq: 8 Aug 2019 20:08

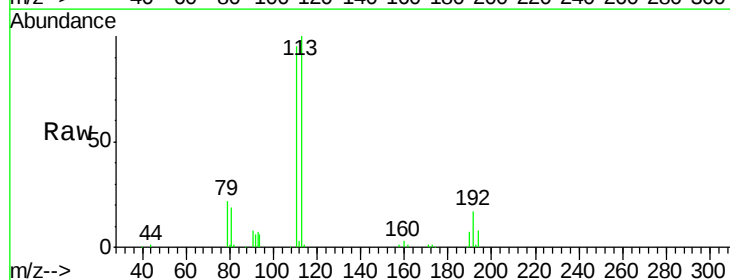
Tgt Ion:113 Resp: 487124

Ion Ratio Lower Upper

113 100

111 94.5 83.2 124.8

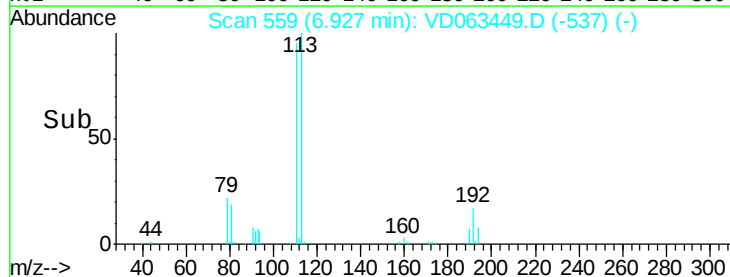
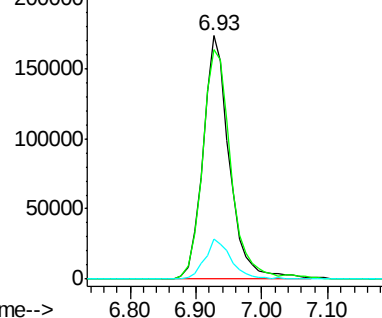
192 16.7 11.8 17.8

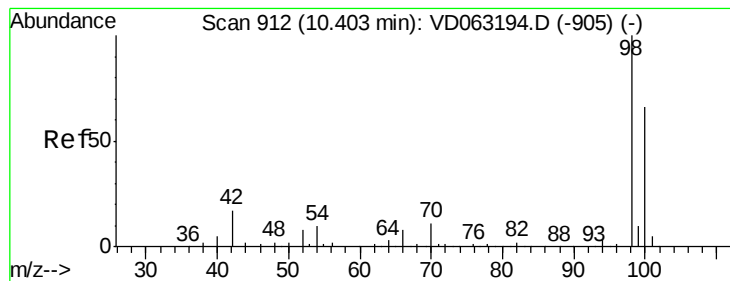


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#50

Toluene-d8

Concen: 35.675 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.02 min

Lab File: VD063449.D

Acq: 8 Aug 2019 20:08

Instrument :

MSVOA_D

ClientSampleId :

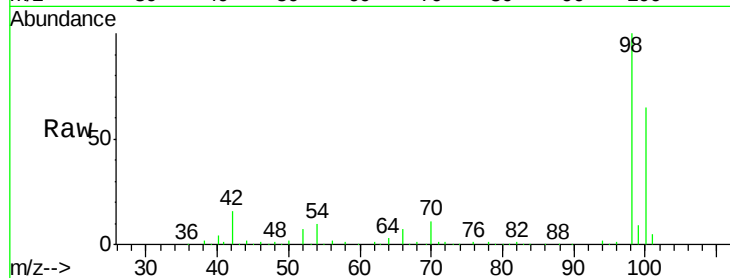
SP-9

Tot Ion: 98 Resp: 936844

Ion Ratio Lower Upper

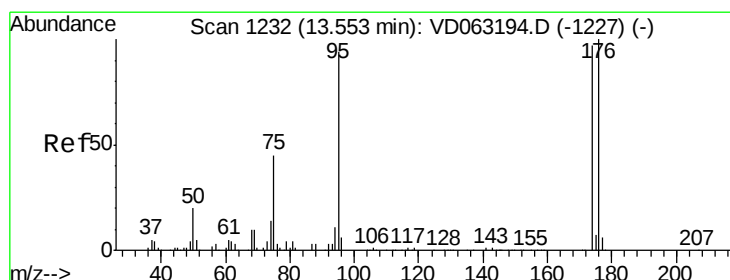
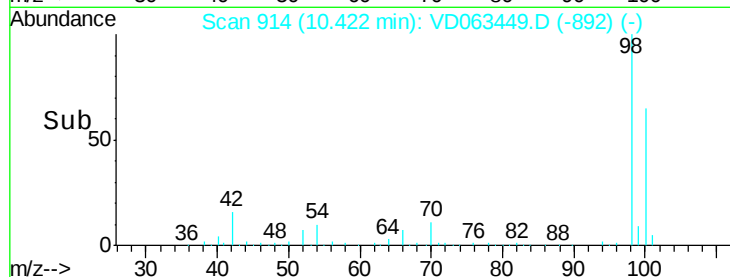
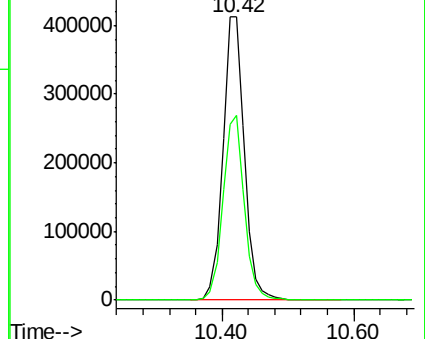
98 100

100 65.2 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



#62

4-Bromofluorobenzene

Concen: 23.854 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD063449.D

Acq: 8 Aug 2019 20:08

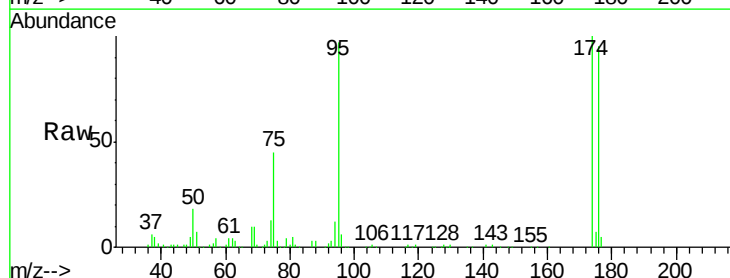
Tgt Ion: 95 Resp: 285454

Ion Ratio Lower Upper

95 100

174 103.4 0.0 205.4

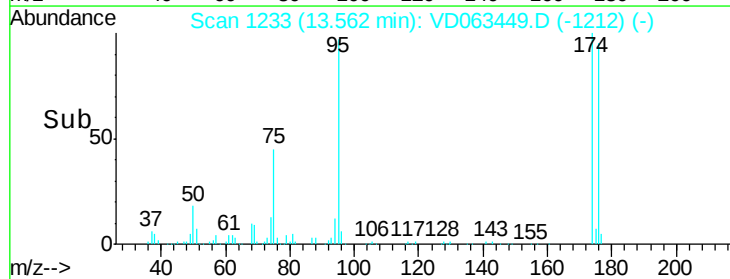
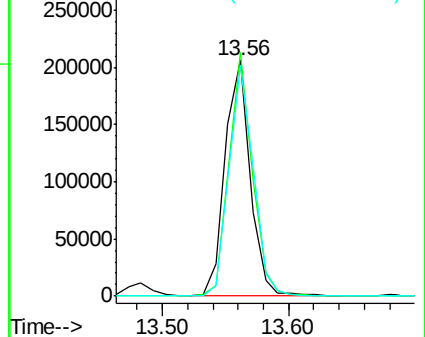
176 98.0 0.0 211.8

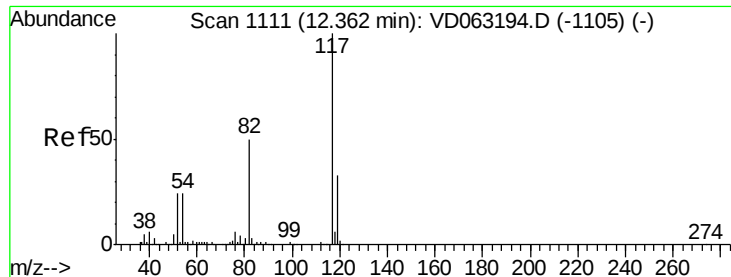


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): VDC

Ion 175.90 (175.60 to 176.60): VDC

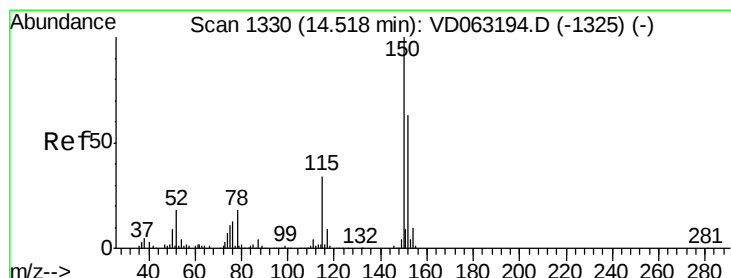
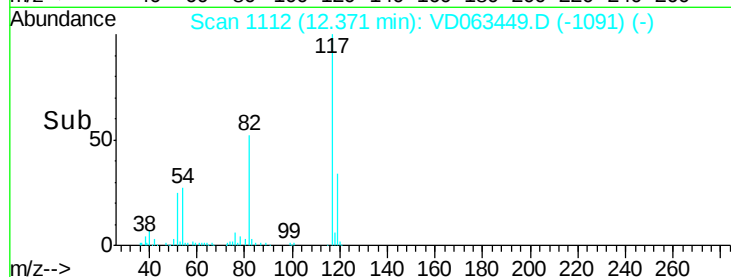
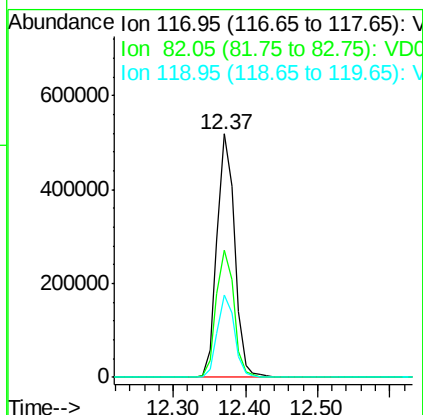
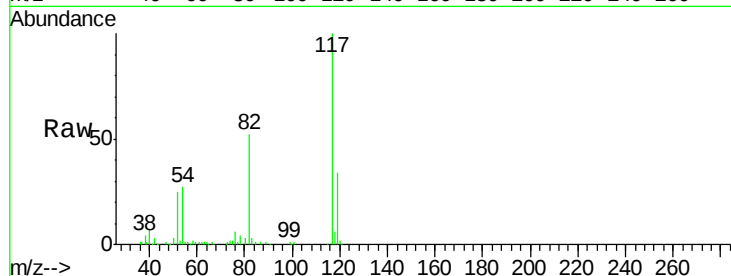




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD063449.D
Acq: 8 Aug 2019 20:08

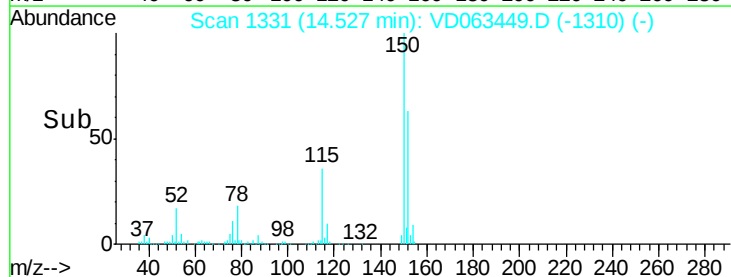
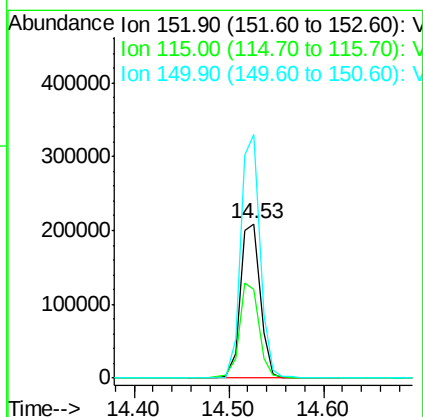
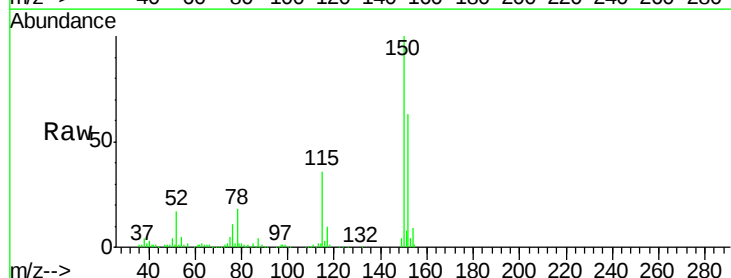
Instrument :
MSVOA_D
ClientSampleId :
SP-9

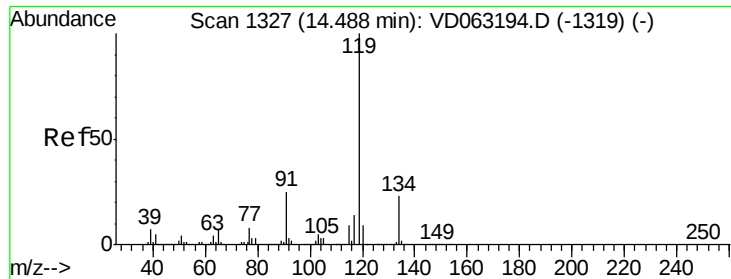
Tot Ion:117 Resp: 869172
Ion Ratio Lower Upper
117 100
82 52.4 40.1 60.1
119 33.8 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD063449.D
Acq: 8 Aug 2019 20:08

Tgt Ion:152 Resp: 304514
Ion Ratio Lower Upper
152 100
115 57.0 27.5 82.4
150 157.6 0.0 320.6





#86
 p-Isopropyltoluene
 Concen: 2.561 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD063449.D
 Acq: 8 Aug 2019 20:08

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-9

Tot Ion	Ratio	Lower	Upper
119	100		
134	22.0	11.5	34.5
91	23.1	12.6	37.6

