

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071719\
 Data File : VD063138.D
 Acq On : 17 Jul 2019 18:22
 Operator : VA/AP
 Sample : K3830-05
 Misc : 6.15g/5ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 18 06:58:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 08:11:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	711279	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1001272	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	745488	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	308850	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	363365	41.01	ug/l	0.00
Spiked Amount			Recovery	=	82.02%	
35) Dibromofluoromethane	6.91	113	379689	38.07	ug/l	0.00
Spiked Amount			Recovery	=	76.14%	
50) Toluene-d8	10.41	98	765453	35.73	ug/l	0.00
Spiked Amount			Recovery	=	71.46%	
62) 4-Bromofluorobenzene	13.56	95	292492	29.51	ug/l	0.00
Spiked Amount			Recovery	=	59.02%	

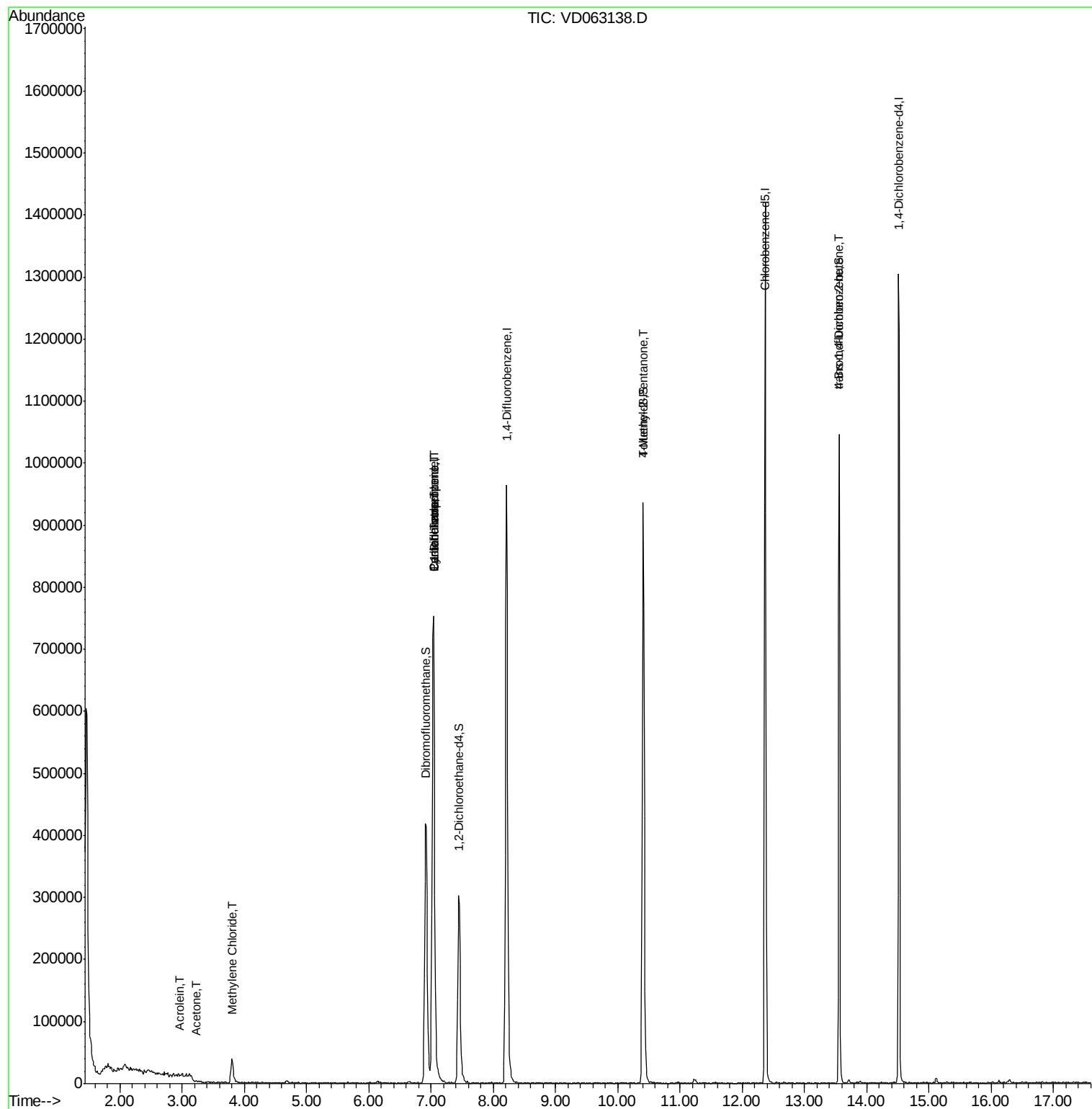
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.52	85	207	Below Cal	#	43
3) Chloromethane	1.74	50	595	Below Cal	#	48
5) Bromomethane	2.12	94	1599	Below Cal	#	13
13) Acrolein	2.97	56	187	1.212	ug/l #	1
16) Acetone	3.22	43	2809	1.313	ug/l #	62
18) Methyl Acetate	3.62	43	255	Below Cal	#	63
20) Methylene Chloride	3.80	84	23857	2.951	ug/l #	80
31) Cyclohexane	7.03	56	15451	1.832	ug/l #	13
36) 1,1-Dichloropropene	7.04	75	56583	5.025	ug/l #	48
38) Carbon Tetrachloride	7.03	117	71630	4.186	ug/l #	13
51) 4-Methyl-2-Pentanone	10.40	43	4789	1.045	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.56	75	136573	109.161	ug/l #	1

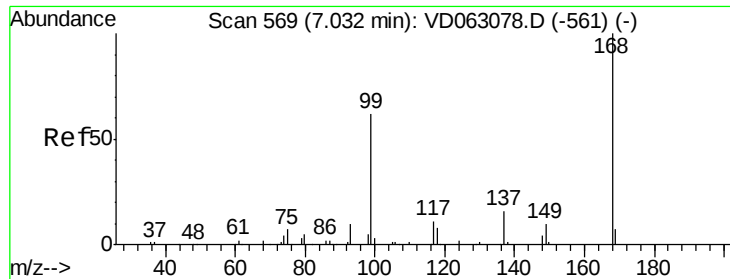
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jul 16 08:11:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.01 min

Lab File: VD063138.D

Acq: 17 Jul 2019 18:22

Instrument :

MSVOA_D

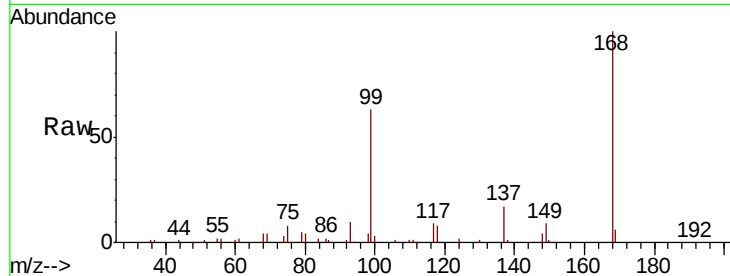
ClientSampleId :

Tot Ion:168 Resp: 711279

Ion Ratio Lower Upper

168 100

99 62.5 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

250000

200000

150000

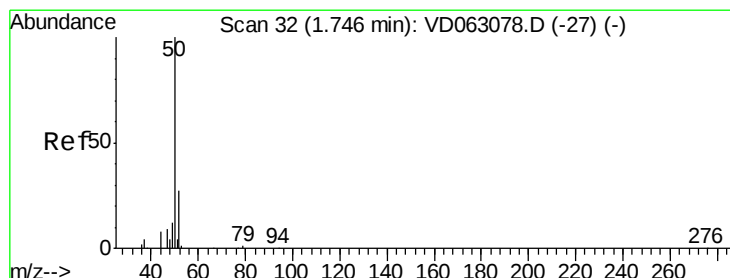
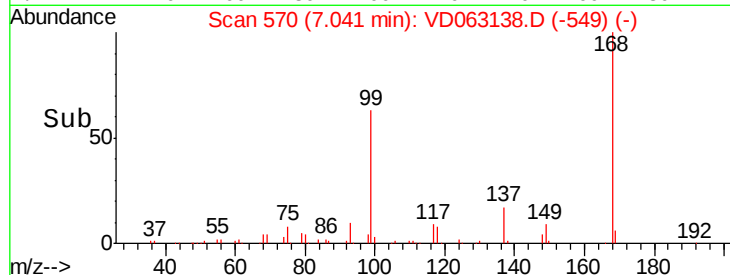
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.74 min Scan# 32

Delta R.T. -0.00 min

Lab File: VD063138.D

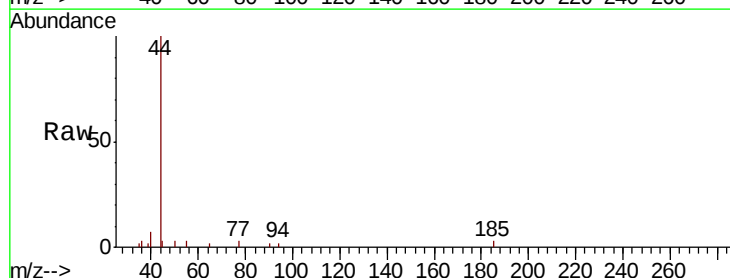
Acq: 17 Jul 2019 18:22

Tgt Ion: 50 Resp: 595

Ion Ratio Lower Upper

50 100

52 0.0 21.4 32.2#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.74

600

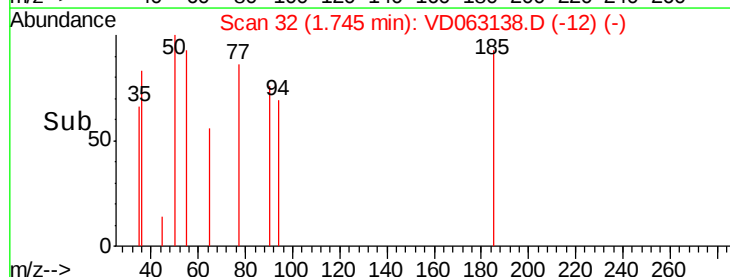
400

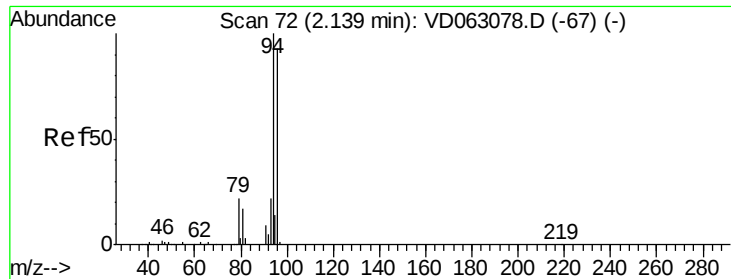
200

0

1.70 1.72 1.74 1.76

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.12 min Scan# 70

Delta R.T. -0.02 min

Lab File: VD063138.D

Acq: 17 Jul 2019 18:22

Instrument :

MSVOA_D

ClientSampleId :

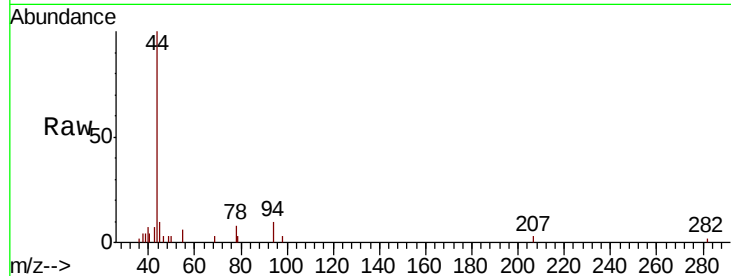
Tot Ion: 94 Resp: 1599

Ion Ratio Lower Upper

94 100

96 0.0 74.2 111.2#

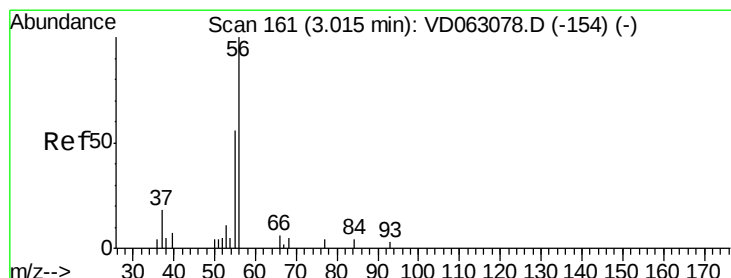
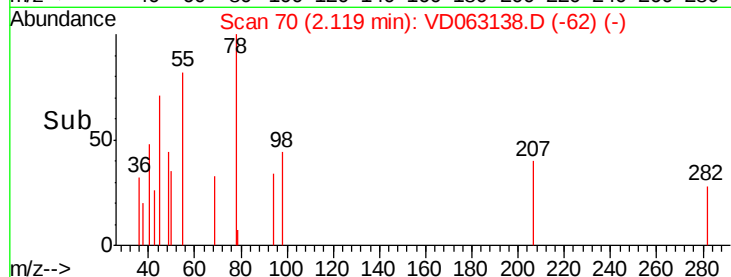
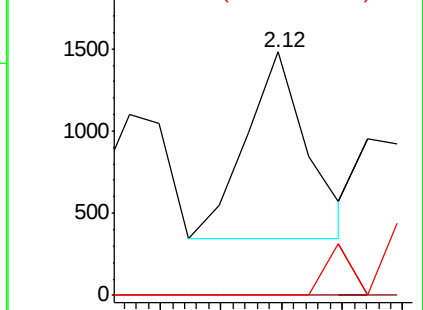
93 0.0 17.8 26.6#



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#13

Acrolein

Concen: 1.212 ug/l

RT: 2.97 min Scan# 156

Delta R.T. -0.05 min

Lab File: VD063138.D

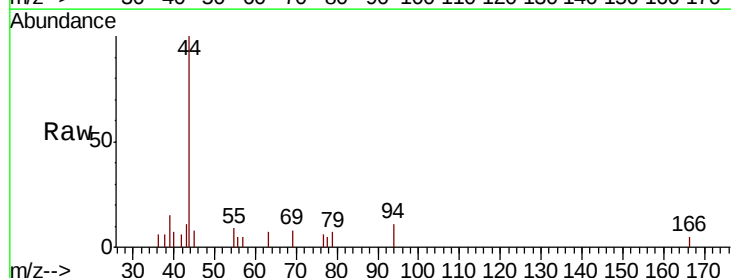
Acq: 17 Jul 2019 18:22

Tgt Ion: 56 Resp: 187

Ion Ratio Lower Upper

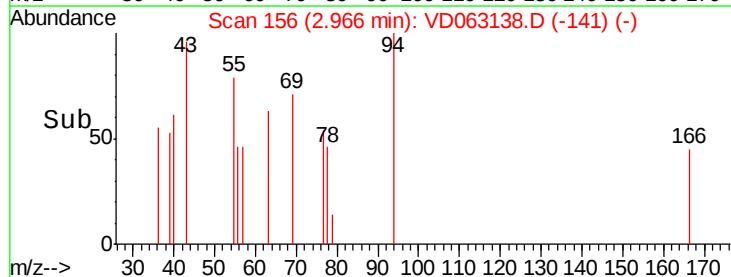
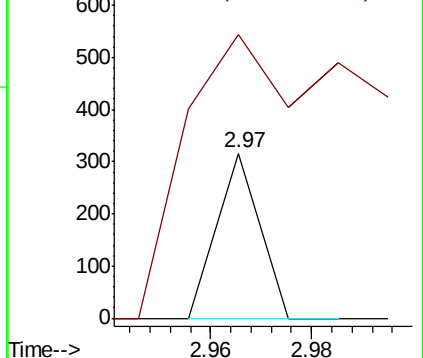
56 100

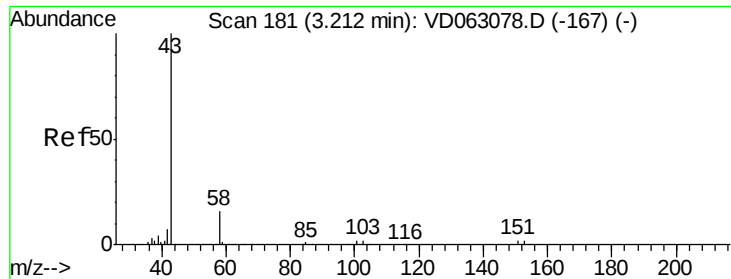
55 171.8 53.0 79.4#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC





#16

Acetone

Concen: 1.313 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.01 min

Lab File: VD063138.D

Acq: 17 Jul 2019 18:22

Instrument :

MSVOA_D

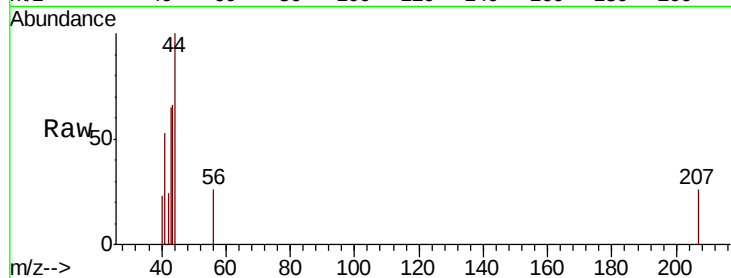
ClientSampleId :

Tot Ion: 43 Resp: 2809

Ion Ratio Lower Upper

43 100

58 0.0 13.0 19.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.22

2000

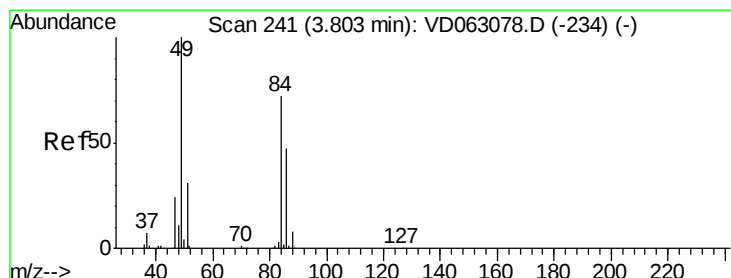
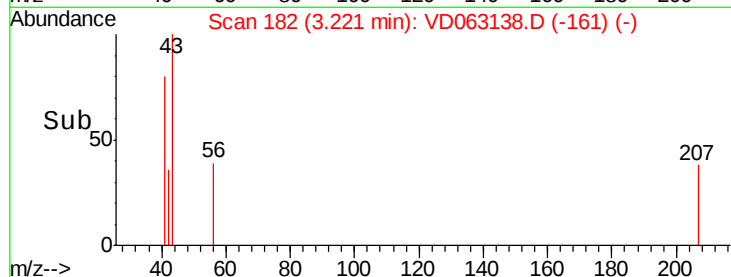
1500

1000

500

0

Time-->



#20

Methylene Chloride

Concen: 2.951 ug/l

RT: 3.80 min Scan# 241

Delta R.T. -0.00 min

Lab File: VD063138.D

Acq: 17 Jul 2019 18:22

Tgt Ion: 84 Resp: 23857

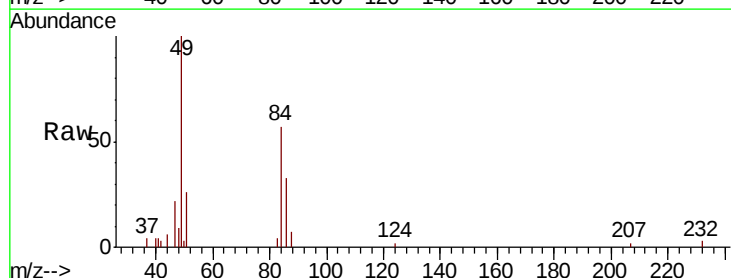
Ion Ratio Lower Upper

84 100

49 175.8 110.5 165.7#

51 45.4 34.6 51.8

86 58.2 51.6 77.4



Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

20000

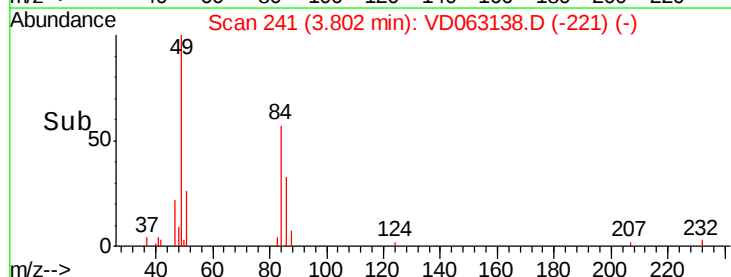
15000

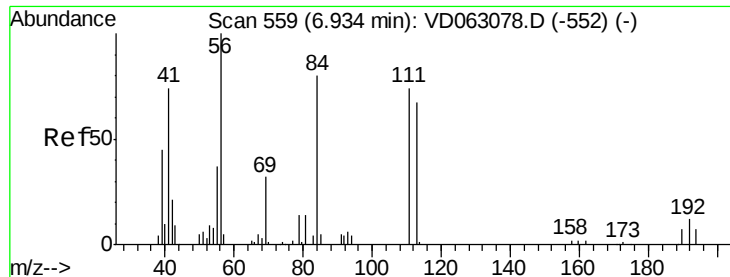
10000

5000

0

Time-->

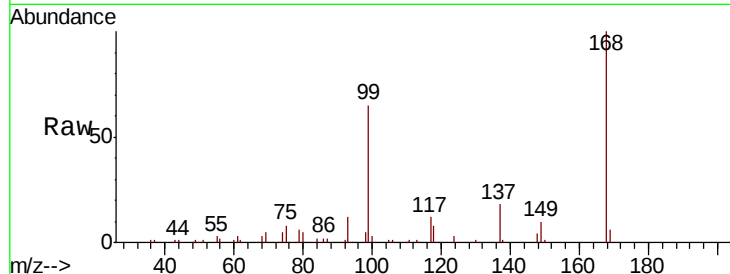




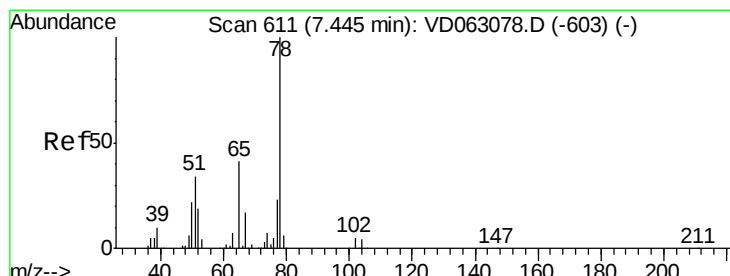
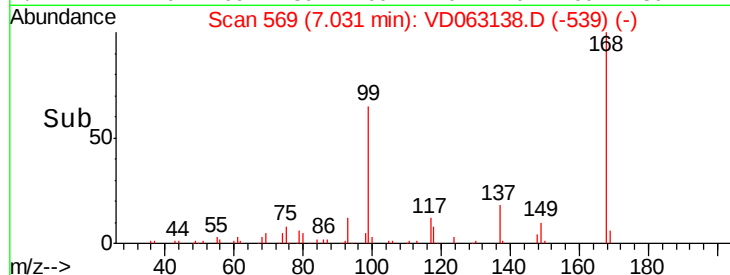
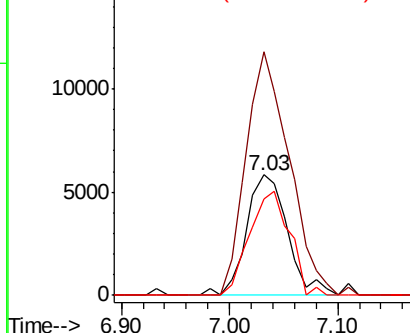
#31
Cyclohexane
Concen: 1.832 ug/l
RT: 7.03 min Scan# 569
Delta R.T. 0.10 min
Lab File: VD063138.D
Acq: 17 Jul 2019 18:22

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 15451
Ion Ratio Lower Upper
56 100
69 202.6 25.3 37.9#
84 80.4 64.2 96.4

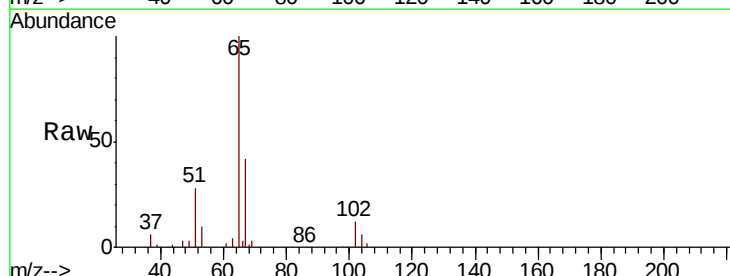


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

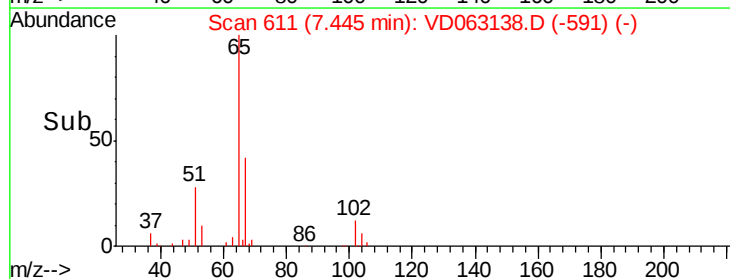
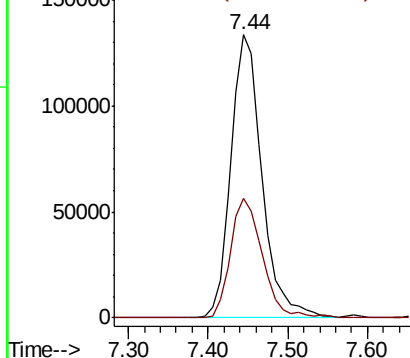


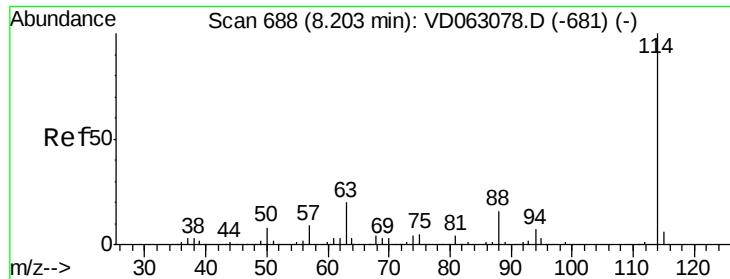
#33
1,2-Dichloroethane-d4
Concen: 41.010 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.00 min
Lab File: VD063138.D
Acq: 17 Jul 2019 18:22

Tgt Ion: 65 Resp: 363365
Ion Ratio Lower Upper
65 100
67 42.0 0.0 86.0



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

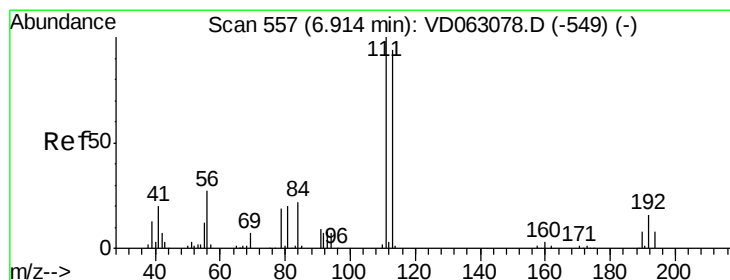
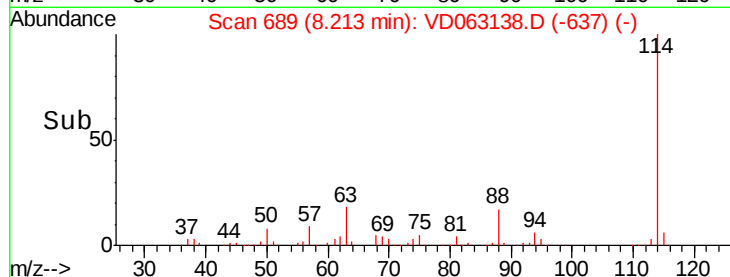
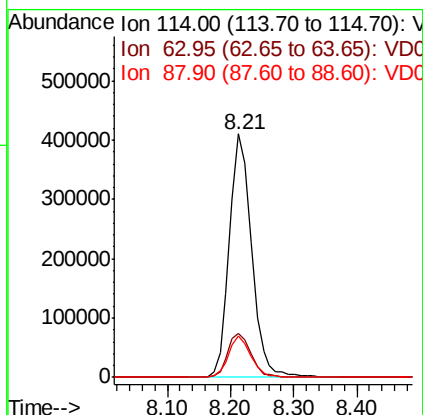
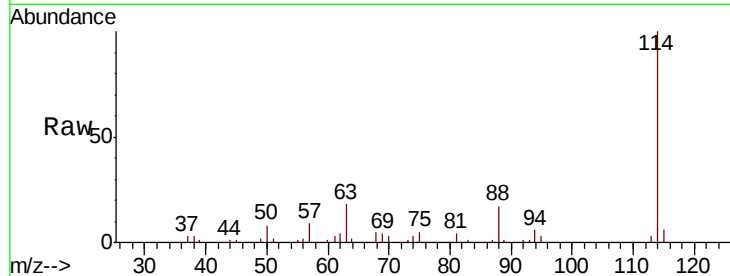




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. 0.01 min
 Lab File: VD063138.D
 Acq: 17 Jul 2019 18:22

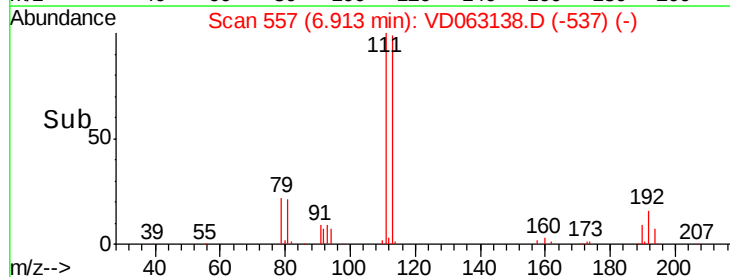
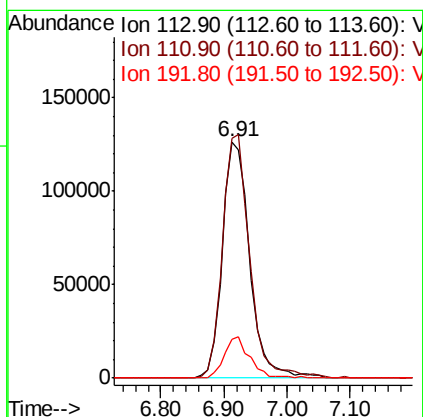
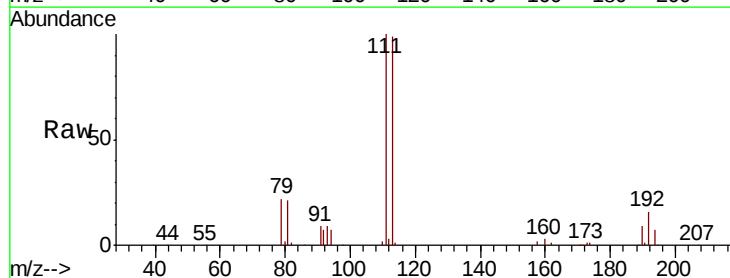
Instrument :
 MSVOA_D
 ClientSampleId :

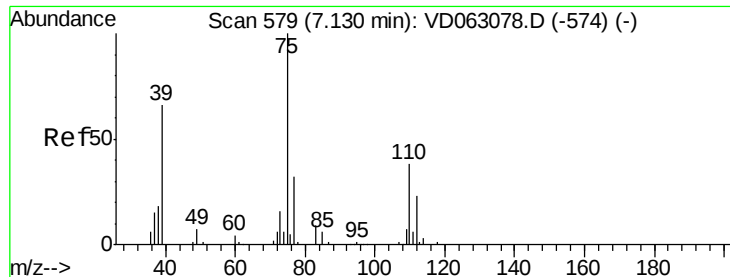
Tot Ion:114 Resp: 1001272
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 40.6
 88 17.1 0.0 32.6



#35
 Dibromofluoromethane
 Concen: 38.072 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. -0.00 min
 Lab File: VD063138.D
 Acq: 17 Jul 2019 18:22

Tgt Ion:113 Resp: 379689
 Ion Ratio Lower Upper
 113 100
 111 101.5 84.8 127.2
 192 16.4 13.4 20.0





#36

1,1-Dichloropropene

Concen: 5.025 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.09 min

Lab File: VD063138.D

Acq: 17 Jul 2019 18:22

Instrument :

MSVOA_D

ClientSampled :

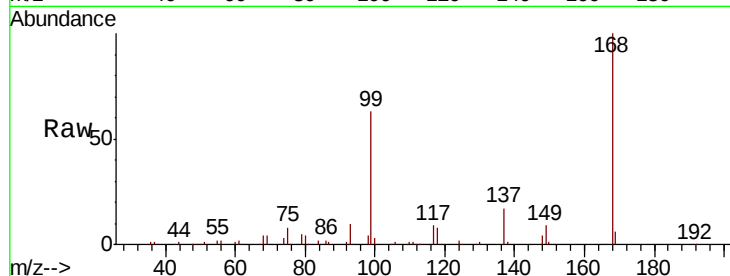
Tot Ion: 75 Resp: 56583

Ion Ratio Lower Upper

75 100

110 9.2 18.9 56.5#

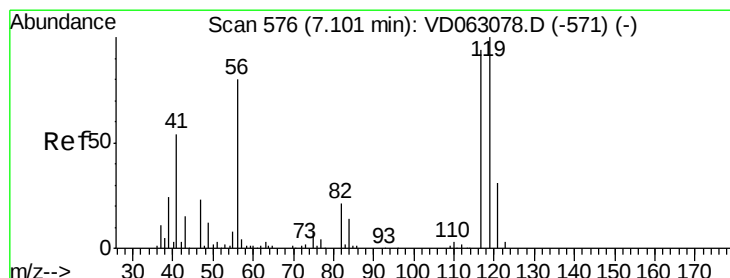
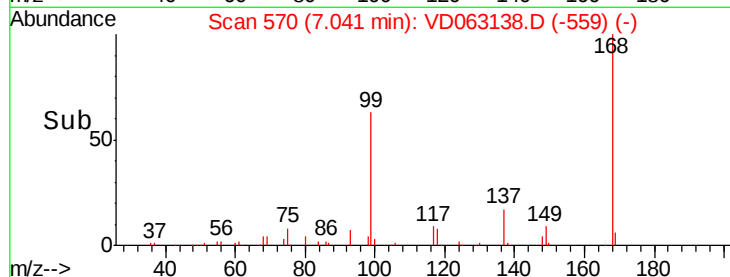
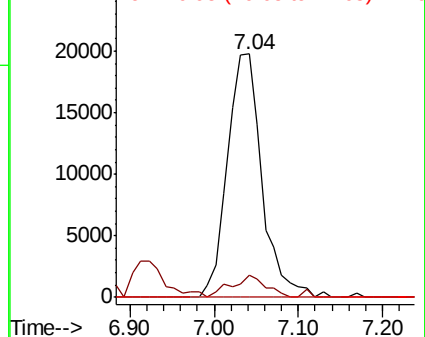
77 0.0 25.2 37.8#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V



#38

Carbon Tetrachloride

Concen: 4.186 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.07 min

Lab File: VD063138.D

Acq: 17 Jul 2019 18:22

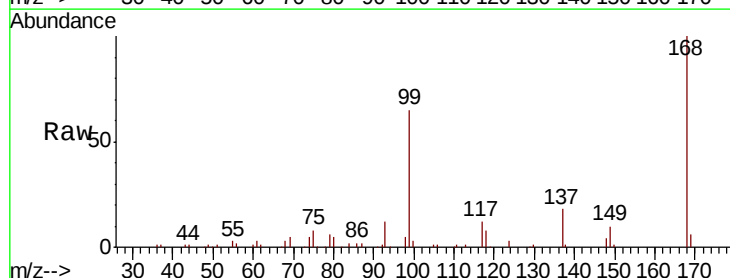
Tgt Ion: 117 Resp: 71630

Ion Ratio Lower Upper

117 100

119 3.7 80.0 120.0#

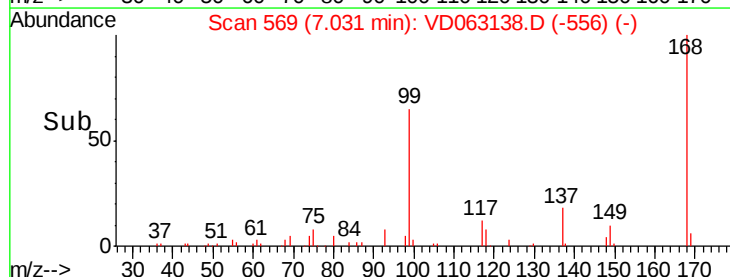
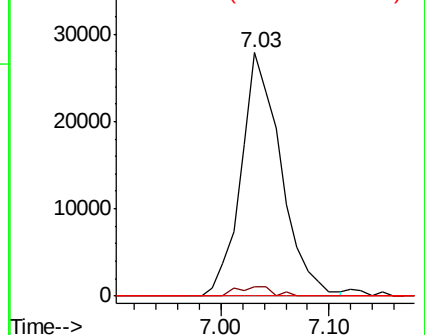
121 0.0 25.0 37.4#

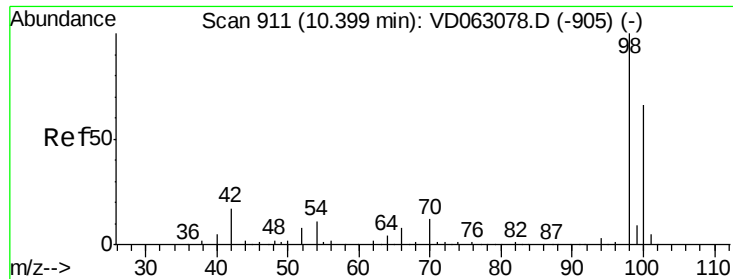


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

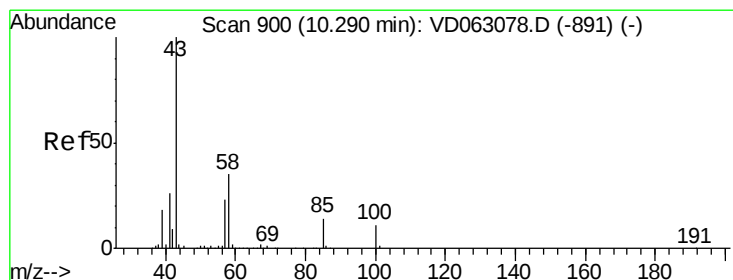
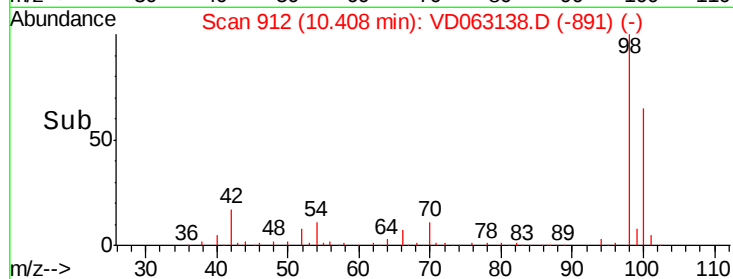
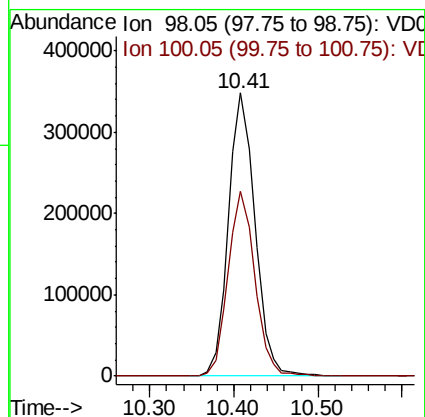
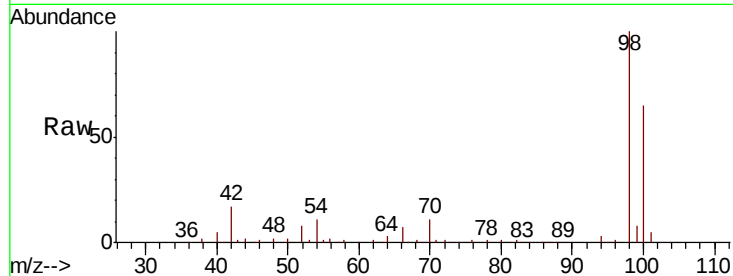




#50
Toluene-d8
Concen: 35.732 ug/l
RT: 10.41 min Scan# 912
Delta R.T. 0.01 min
Lab File: VD063138.D
Acq: 17 Jul 2019 18:22

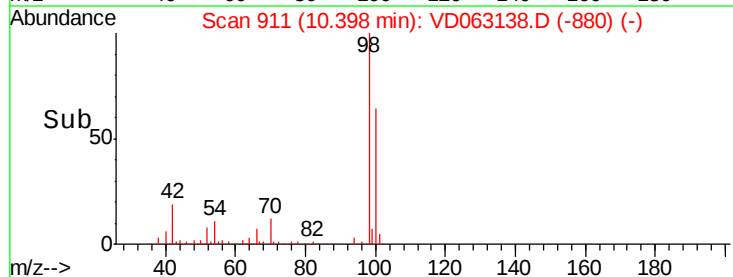
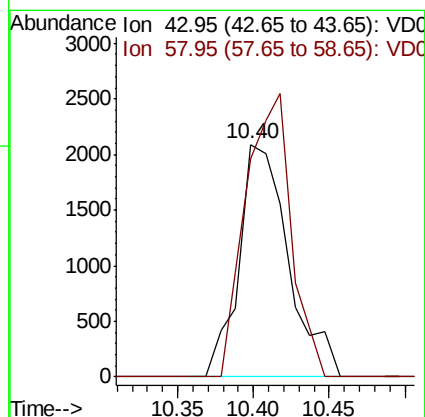
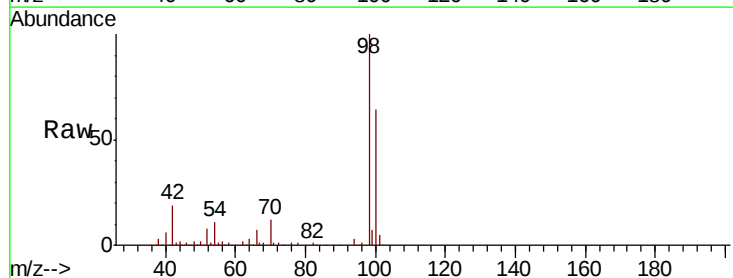
Instrument :
MSVOA_D
ClientSampleId :

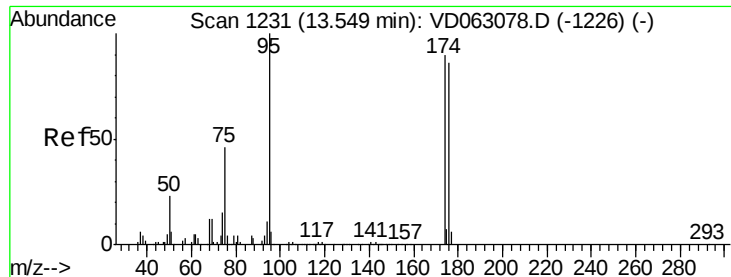
Tot Ion: 98 Resp: 765453
Ion Ratio Lower Upper
98 100
100 65.1 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 1.045 ug/l
RT: 10.40 min Scan# 911
Delta R.T. 0.11 min
Lab File: VD063138.D
Acq: 17 Jul 2019 18:22

Tgt Ion: 43 Resp: 4789
Ion Ratio Lower Upper
43 100
58 93.8 27.8 41.6#

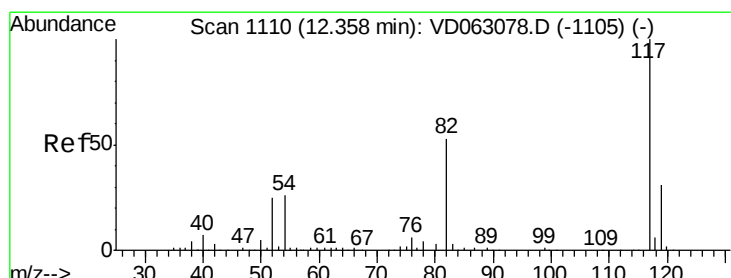
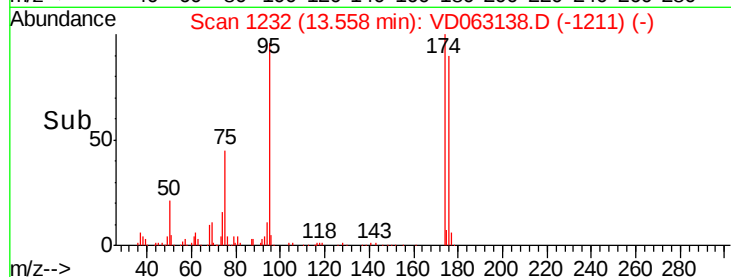
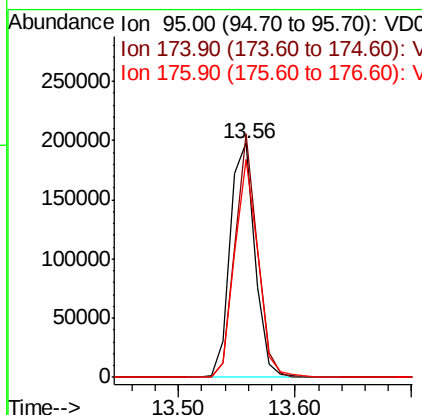
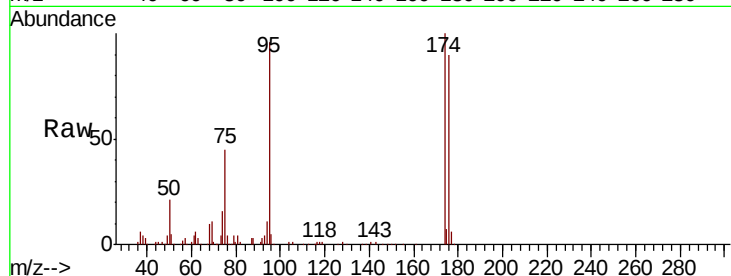




#62
4-Bromofluorobenzene
Concen: 29.513 ug/l
RT: 13.56 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VD063138.D
Acq: 17 Jul 2019 18:22

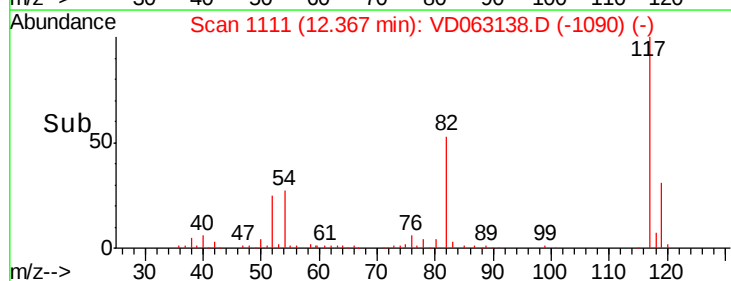
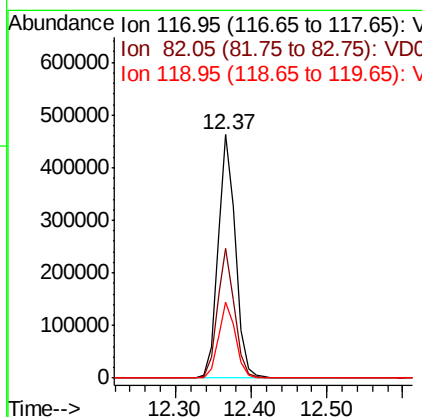
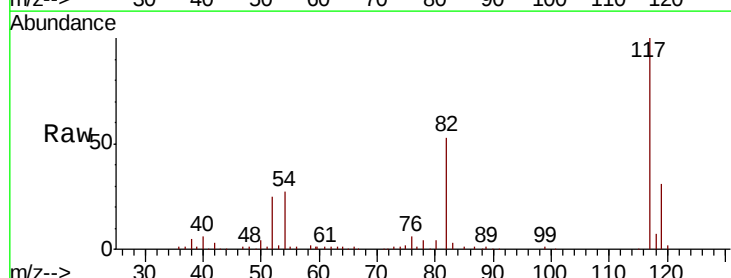
Instrument :
MSVOA_D
ClientSampled :

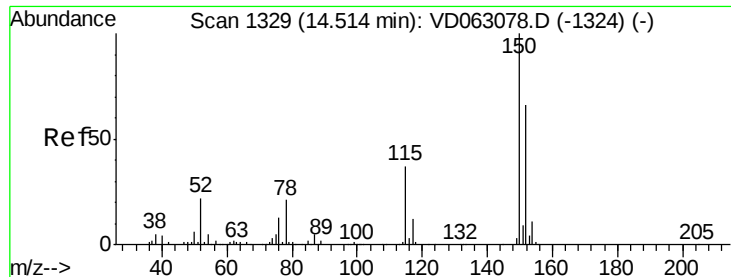
Tot Ion: 95 Resp: 292492
Ion Ratio Lower Upper
95 100
174 104.0 0.0 180.6
176 93.2 0.0 172.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VD063138.D
Acq: 17 Jul 2019 18:22

Tgt Ion: 117 Resp: 745488
Ion Ratio Lower Upper
117 100
82 53.4 42.3 63.5
119 31.0 25.2 37.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.01 min

Lab File: VD063138.D

Acq: 17 Jul 2019 18:22

Instrument :

MSVOA_D

ClientSampleId :

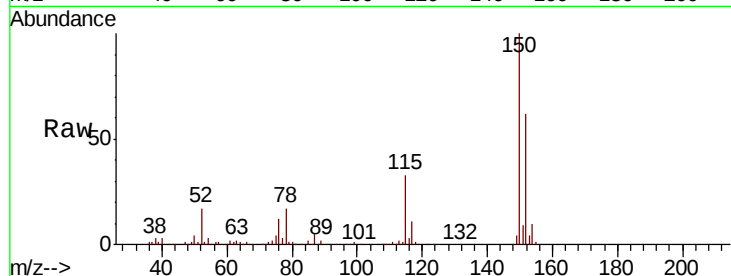
Tot Ion:152 Resp: 308850

Ion Ratio Lower Upper

152 100

115 53.3 28.9 86.8

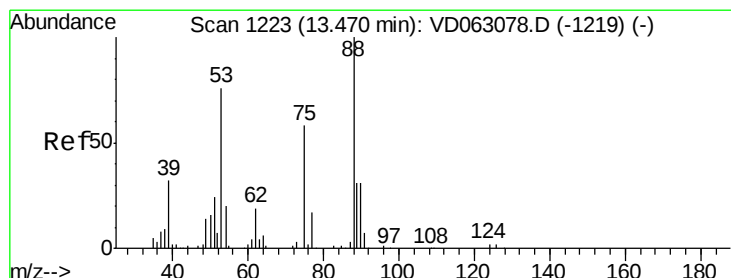
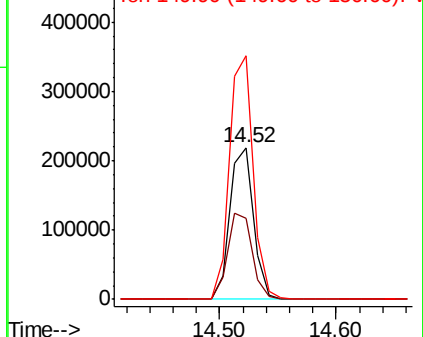
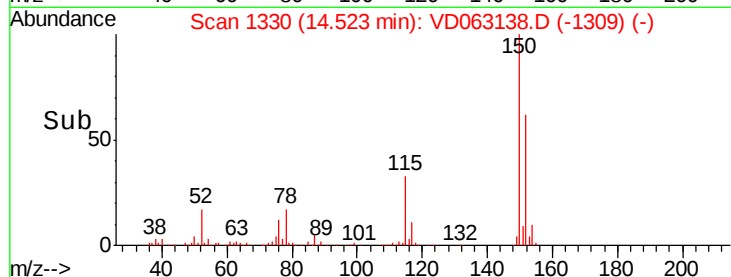
150 160.7 0.0 313.8



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



#81

trans-1,4-Dichloro-2-butene

Concen: 109.161 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD063138.D

Acq: 17 Jul 2019 18:22

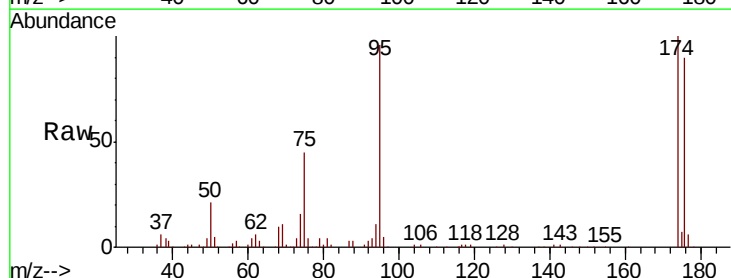
Tgt Ion: 75 Resp: 136573

Ion Ratio Lower Upper

75 100

53 0.0 104.4 156.6#

89 0.0 43.1 64.7#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

