

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080319\
 Data File : VD063358.D
 Acq On : 3 Aug 2019 13:46
 Operator : VA/AP
 Sample : K4136-03
 Misc : 5.46g/5ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 1S-C2-(0-1)

Quant Time: Aug 04 06:07:07 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	7.04	168	1017005	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1434554	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.37	117	1062123	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	447725	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	531413	47.09	ug/l	0.01
Spiked Amount 50.000			Recovery	=	94.18%	
35) Dibromofluoromethane	6.92	113	582270	47.54	ug/l	0.01
Spiked Amount 50.000			Recovery	=	95.08%	
50) Toluene-d8	10.41	98	1299284	47.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.80%	
62) 4-Bromofluorobenzene	13.56	95	476971	38.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	76.36%	

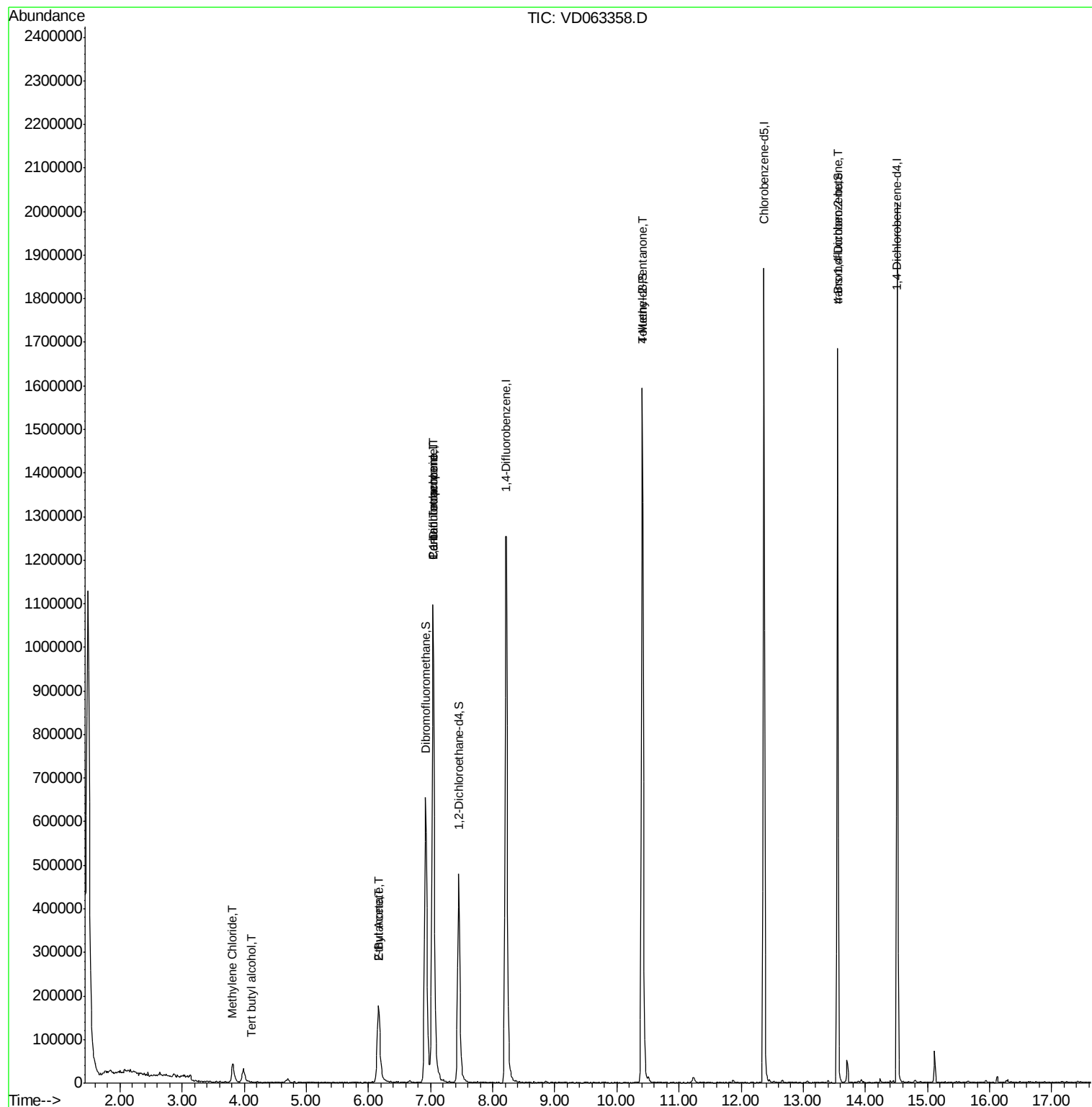
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.12	59	902	1.821	ug/l #	69
20) Methylene Chloride	3.81	84	25563	2.876	ug/l #	85
25) 2-Butanone	6.15	43	14251	6.458	ug/l #	56
36) 1,1-Dichloropropene	7.04	75	76096	5.812	ug/l #	53
37) Ethyl Acetate	6.15	43	14718	2.502	ug/l #	21
38) Carbon Tetrachloride	7.04	117	98774	5.011	ug/l #	14
51) 4-Methyl-2-Pentanone	10.41	43	8032	1.572	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	216007	144.651	ug/l #	3

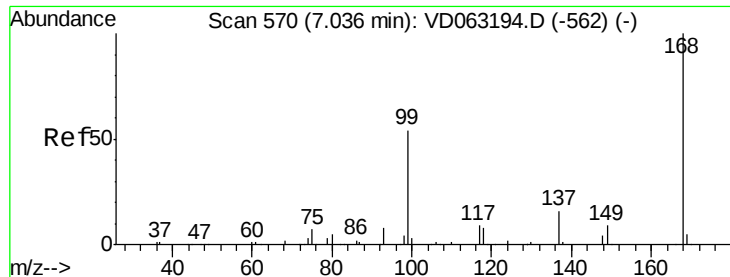
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD080319\
Data File : VD063358.D
Acq On : 3 Aug 2019 13:46
Operator : VA/AP
Sample : K4136-03
Misc : 5.46g/5ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
1S-C2-(0-1)

Quant Time: Aug 04 06:07:07 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: 7.04 min Scan# 570

Delta R.T. 0.00 min

Lab File: VD063358.D

Acq: 3 Aug 2019 13:46

Instrument :

MSVOA_D

ClientSampleId :

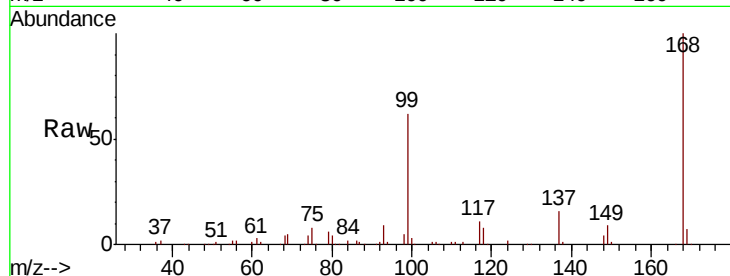
1S-C2-(0-1)

Tgt Ion:168 Resp: 1017005

Ion Ratio Lower Upper

168 100

99 61.7 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

400000

300000

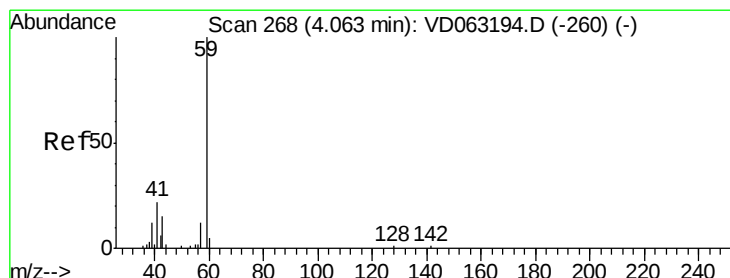
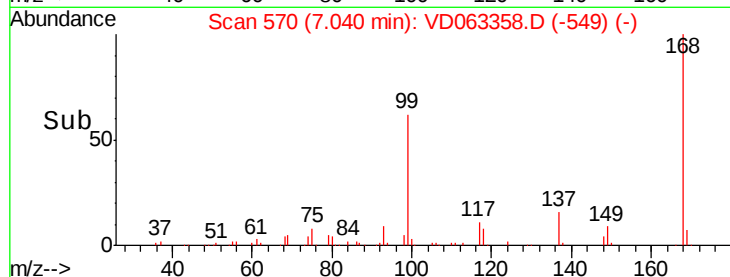
200000

100000

0

6.90 7.00 7.10 7.20

Time-->



#11

Tert butyl alcohol

Concen: 1.821 ug/l

RT: 4.12 min Scan# 273

Delta R.T. 0.05 min

Lab File: VD063358.D

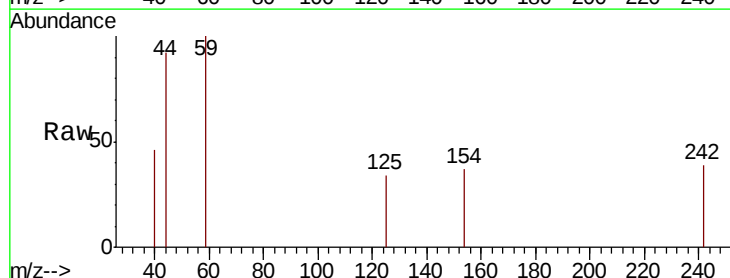
Acq: 3 Aug 2019 13:46

Tgt Ion: 59 Resp: 902

Ion Ratio Lower Upper

59 100

57 0.0 9.6 14.4#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

4.12

1200

1000

800

600

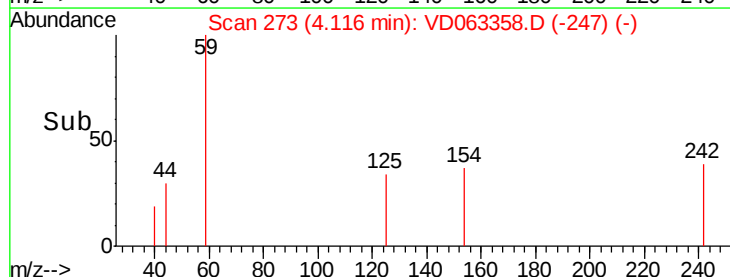
400

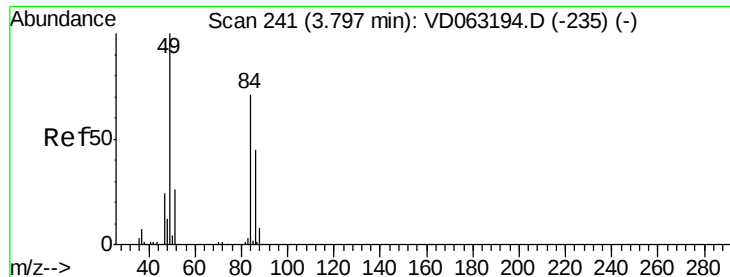
200

0

4.10 4.12 4.14

Time-->

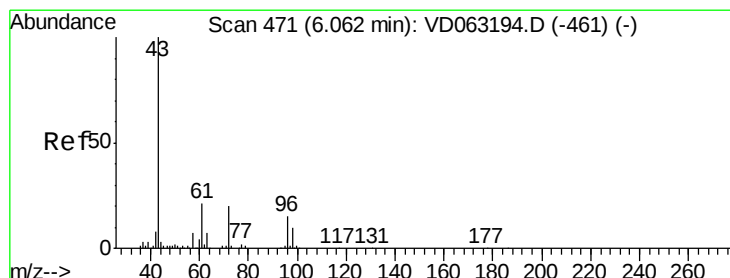
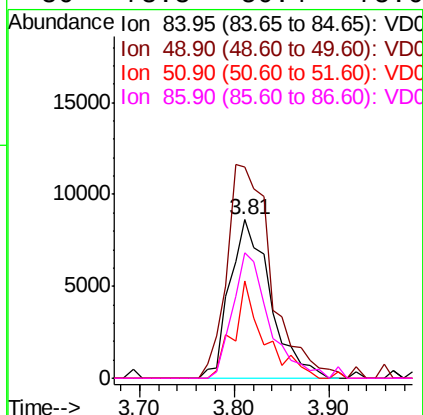
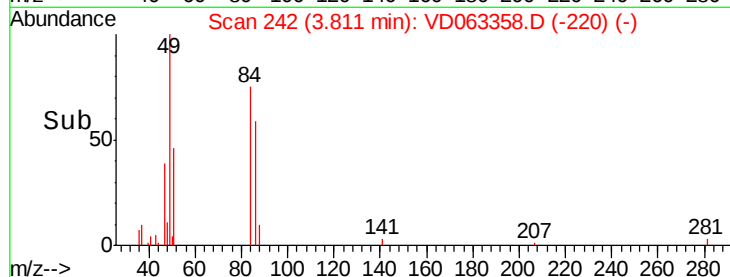
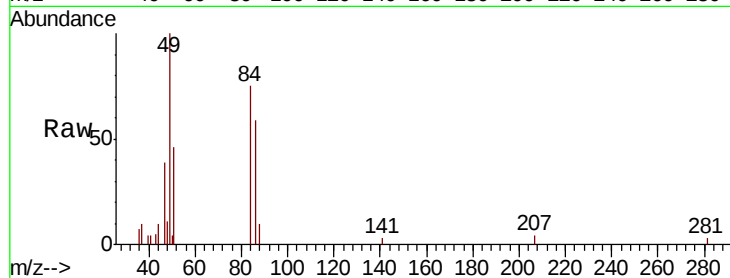




#20
Methylene Chloride
Concen: 2.876 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD063358.D
Acq: 3 Aug 2019 13:46

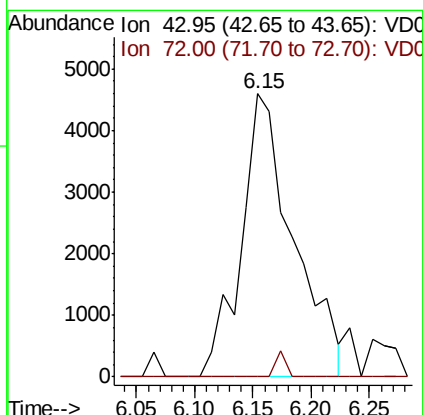
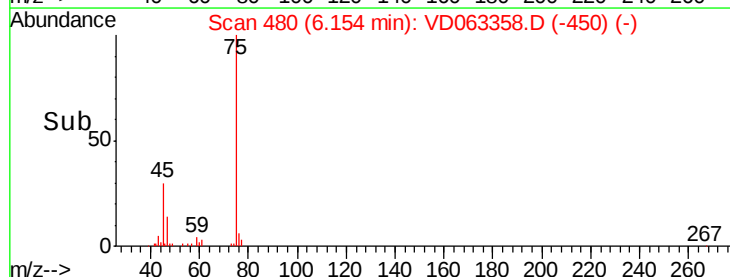
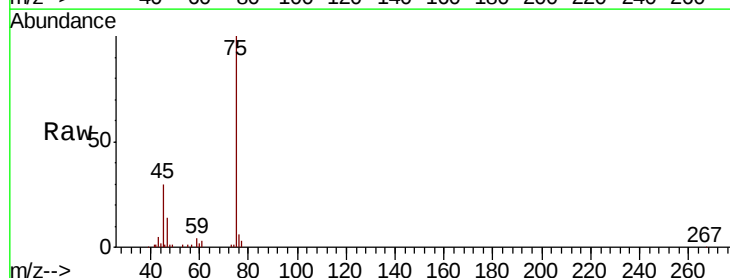
Instrument :
MSVOA_D
ClientSampleId :
1S-C2-(0-1)

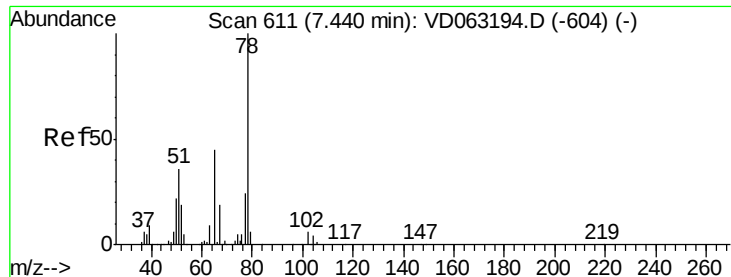
Tgt Ion: 84 Resp: 25563
Ion Ratio Lower Upper
84 100
49 133.2 112.5 168.7
51 61.5 29.6 44.4#
86 78.8 50.4 75.6#



#25
2-Butanone
Concen: 6.458 ug/l
RT: 6.15 min Scan# 480
Delta R.T. 0.09 min
Lab File: VD063358.D
Acq: 3 Aug 2019 13:46

Tgt Ion: 43 Resp: 14251
Ion Ratio Lower Upper
43 100
72 0.0 16.3 24.5#





#33

1,2-Dichloroethane-d4

Concen: 47.092 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD063358.D

Acq: 3 Aug 2019 13:46

Instrument :

MSVOA_D

ClientSampleId :

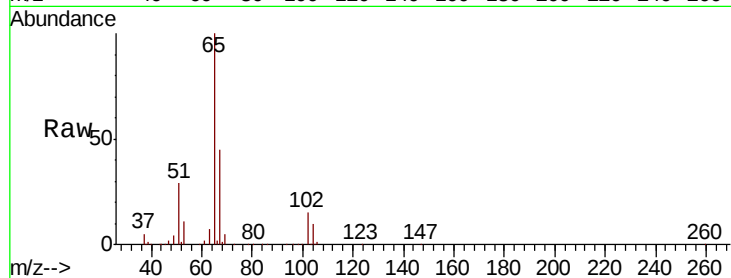
1S-C2-(0-1)

Tgt Ion: 65 Resp: 531413

Ion Ratio Lower Upper

65 100

67 45.4 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.45

200000

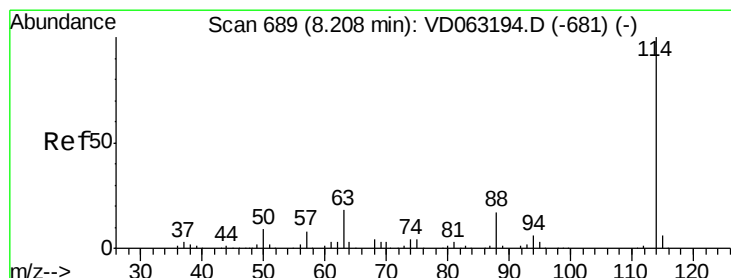
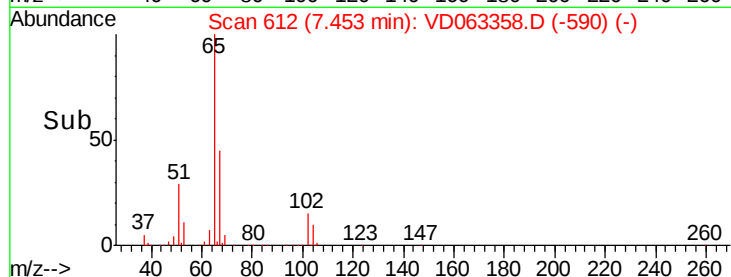
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. 0.01 min

Lab File: VD063358.D

Acq: 3 Aug 2019 13:46

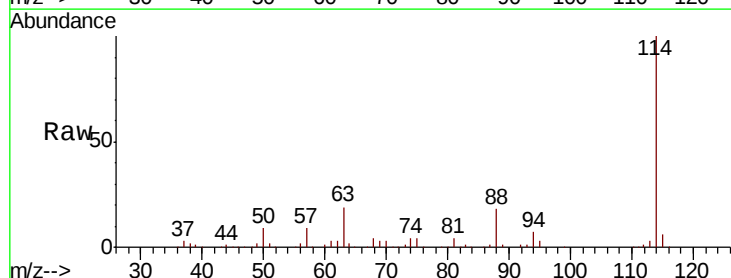
Tgt Ion: 114 Resp: 1434554

Ion Ratio Lower Upper

114 100

63 19.0 0.0 35.2

88 17.7 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

8.22

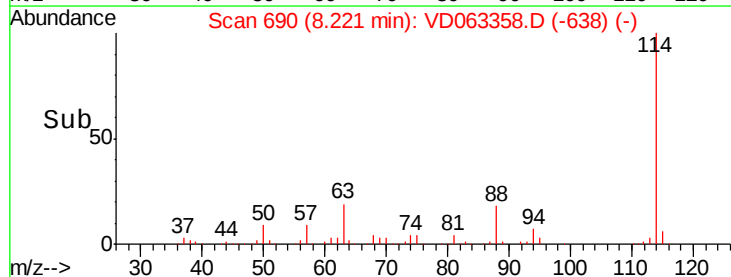
600000

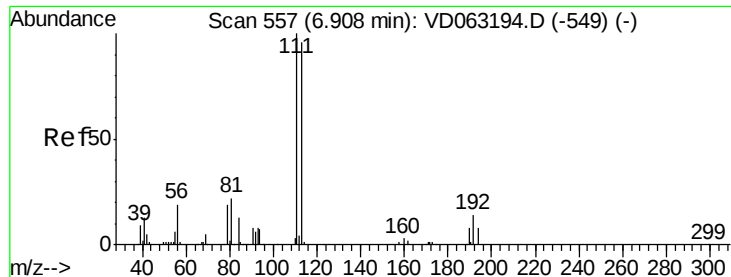
400000

200000

0

Time-->

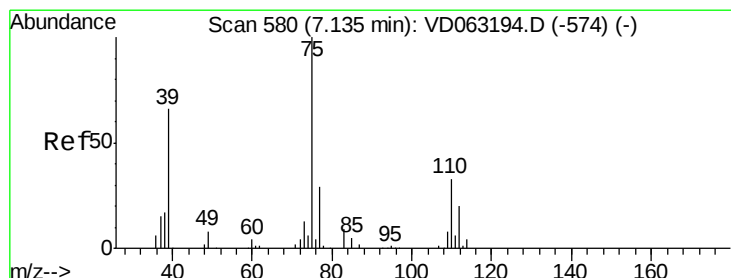
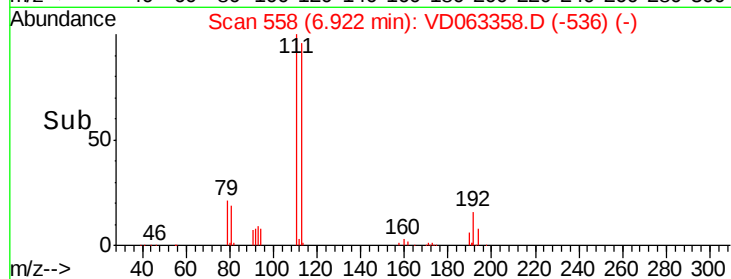
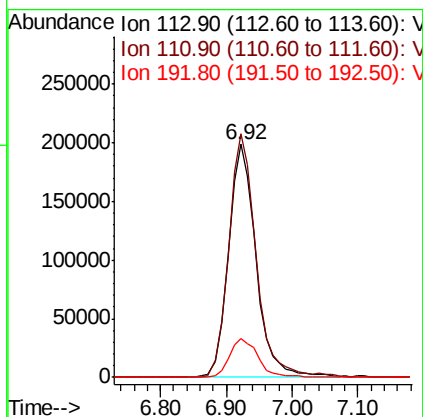
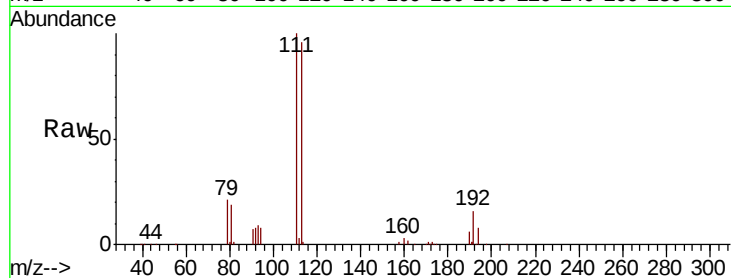




#35
Dibromofluoromethane
Concen: 47.540 ug/l
RT: 6.92 min Scan# 558
Delta R.T. 0.01 min
Lab File: VD063358.D
Acq: 3 Aug 2019 13:46

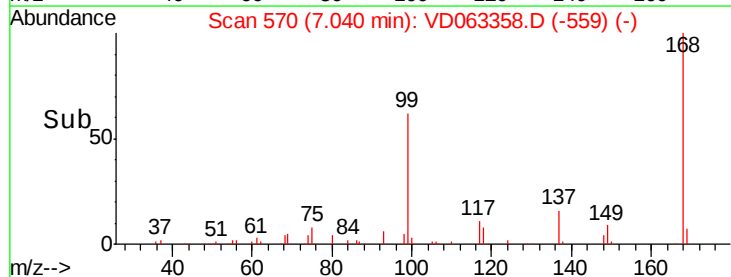
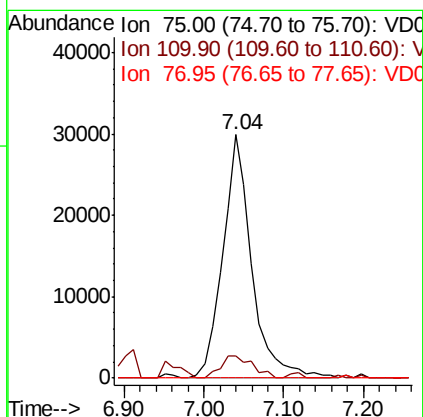
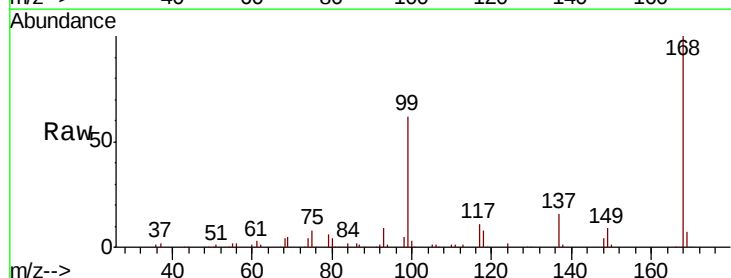
Instrument :
MSVOA_D
ClientSampled :
1S-C2-(0-1)

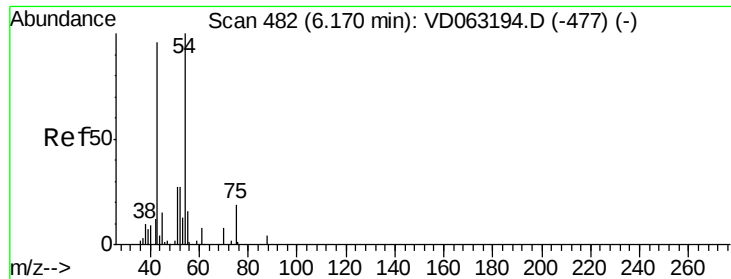
Tgt Ion:113 Resp: 582270
Ion Ratio Lower Upper
113 100
111 104.5 83.2 124.8
192 16.6 11.8 17.8



#36
1,1-Dichloropropene
Concen: 5.812 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.09 min
Lab File: VD063358.D
Acq: 3 Aug 2019 13:46

Tgt Ion: 75 Resp: 76096
Ion Ratio Lower Upper
75 100
110 9.0 16.1 48.2#
77 0.0 22.7 34.1#

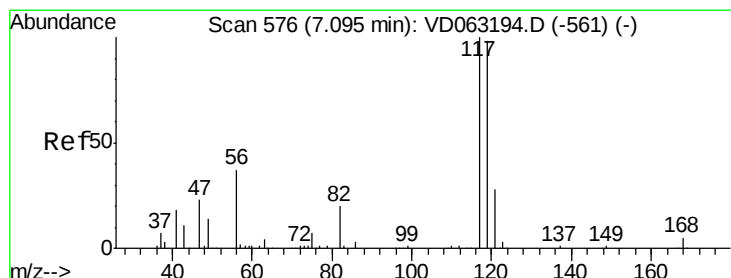
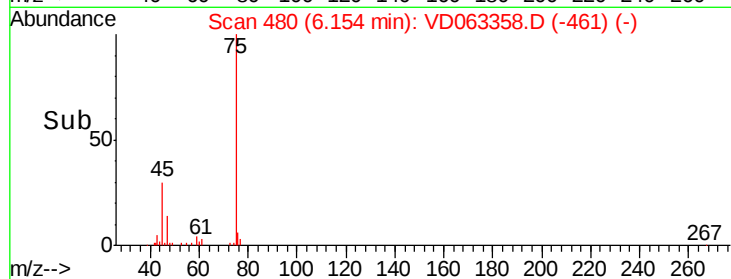
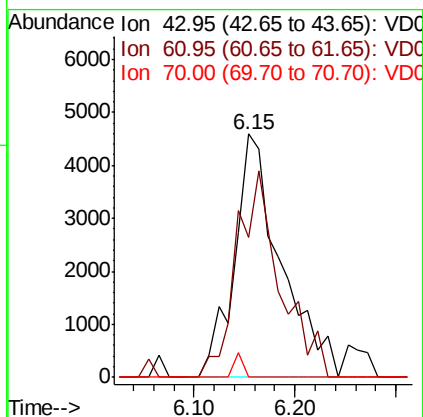
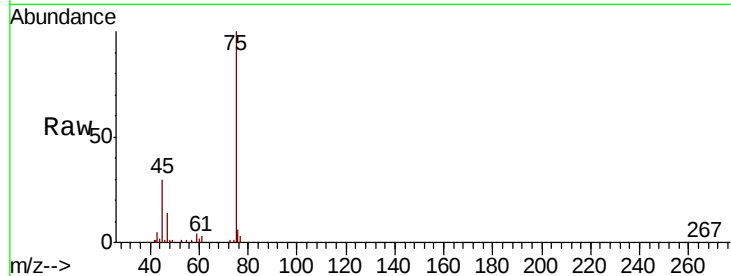




#37
 Ethyl Acetate
 Concen: 2.502 ug/l
 RT: 6.15 min Scan# 480
 Delta R.T. -0.02 min
 Lab File: VD063358.D
 Acq: 3 Aug 2019 13:46

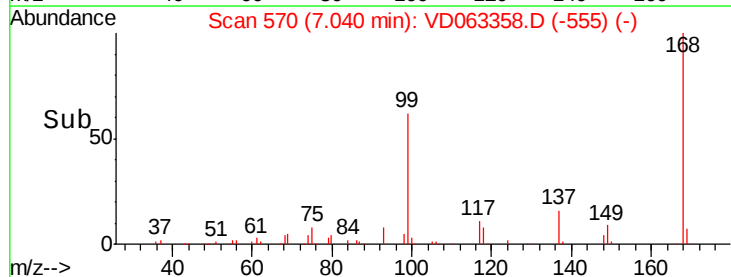
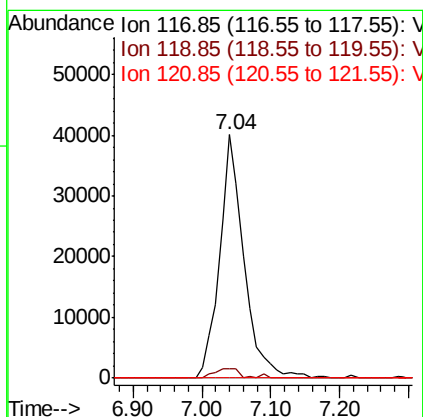
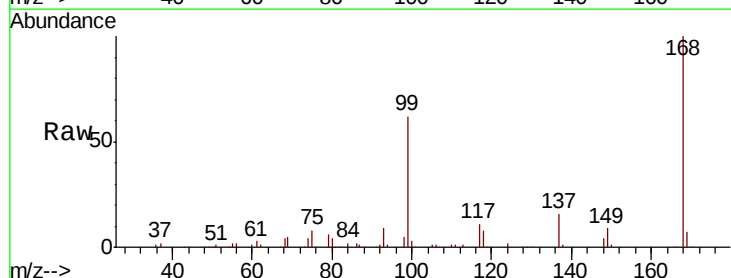
Instrument :
 MSVOA_D
 ClientSampleId :
 1S-C2-(0-1)

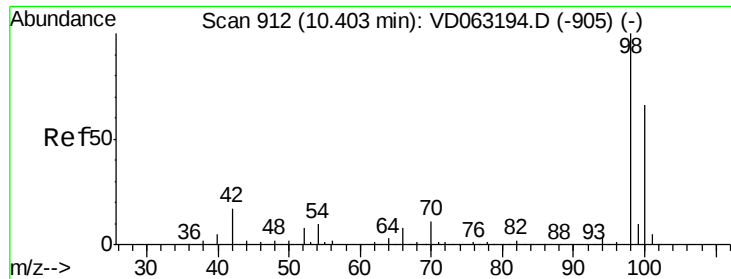
Tgt Ion: 43 Resp: 14718
 Ion Ratio Lower Upper
 43 100
 61 57.5 11.3 16.9#
 70 0.0 5.1 7.7#



#38
 Carbon Tetrachloride
 Concen: 5.011 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.06 min
 Lab File: VD063358.D
 Acq: 3 Aug 2019 13:46

Tgt Ion: 117 Resp: 98774
 Ion Ratio Lower Upper
 117 100
 119 3.7 78.2 117.2#
 121 0.0 22.1 33.1#

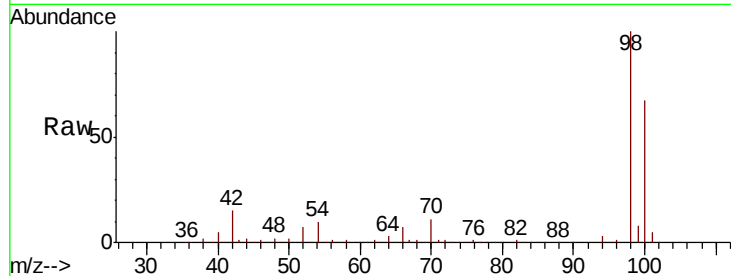




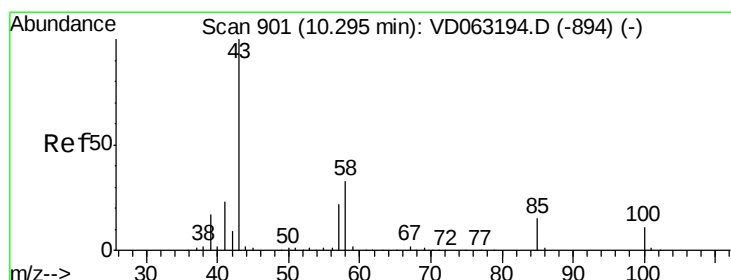
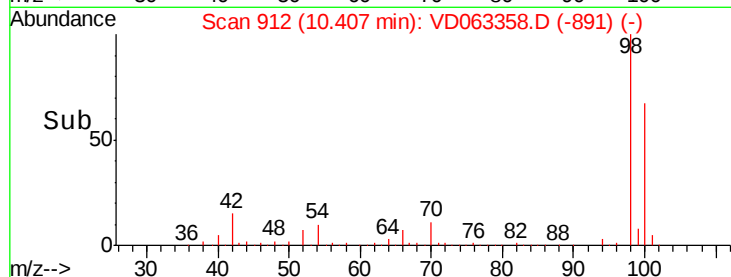
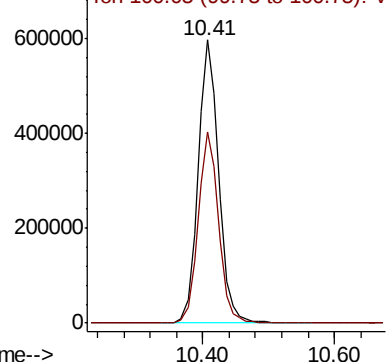
#50
Toluene-d8
Concen: 47.400 ug/l
RT: 10.41 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD063358.D
Acq: 3 Aug 2019 13:46

Instrument :
MSVOA_D
ClientSampleId :
1S-C2-(0-1)

Tgt Ion: 98 Resp: 1299284
Ion Ratio Lower Upper
98 100
100 67.5 53.2 79.8

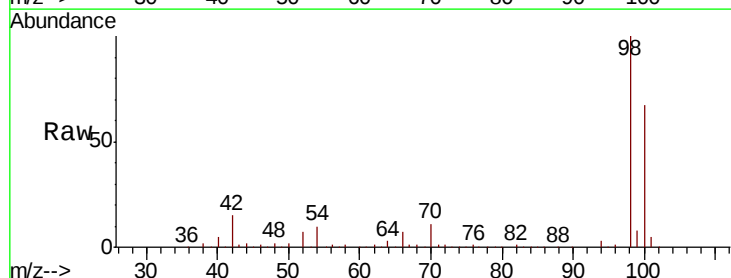


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

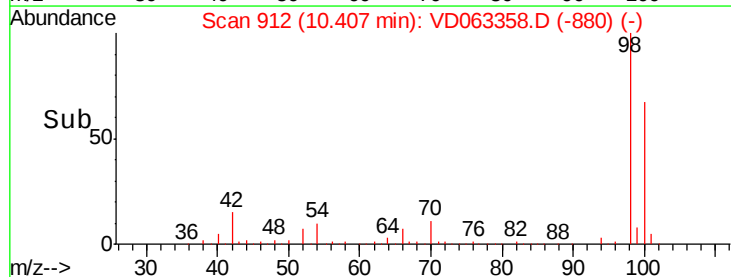
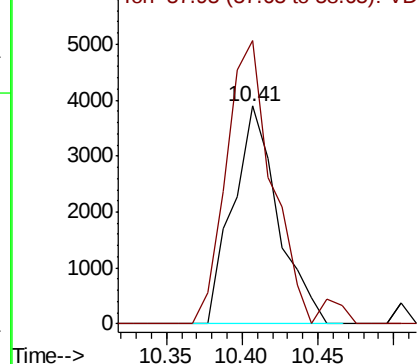


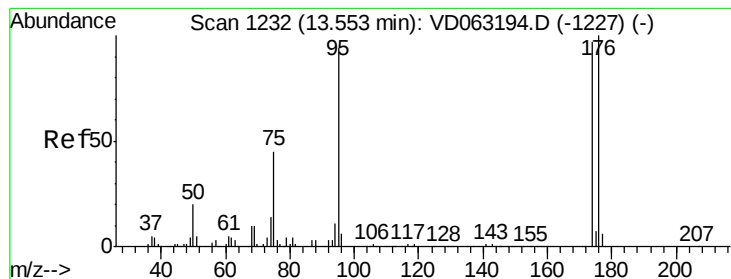
#51
4-Methyl-2-Pentanone
Concen: 1.572 ug/l
RT: 10.41 min Scan# 912
Delta R.T. 0.11 min
Lab File: VD063358.D
Acq: 3 Aug 2019 13:46

Tgt Ion: 43 Resp: 8032
Ion Ratio Lower Upper
43 100
58 130.1 26.2 39.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC





#62

4-Bromofluorobenzene

Concen: 38.185 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD063358.D

Acq: 3 Aug 2019 13:46

Instrument :

MSVOA_D

ClientSampleId :

1S-C2-(0-1)

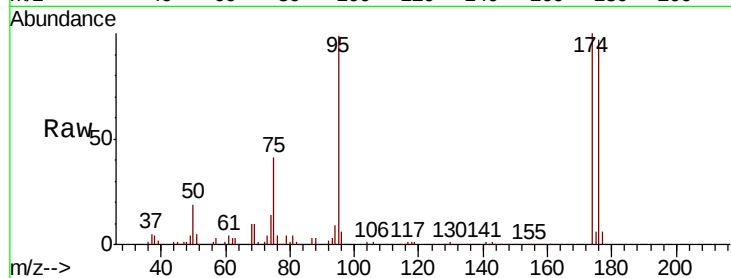
Tgt Ion: 95 Resp: 476971

Ion Ratio Lower Upper

95 100

174 101.4 0.0 205.4

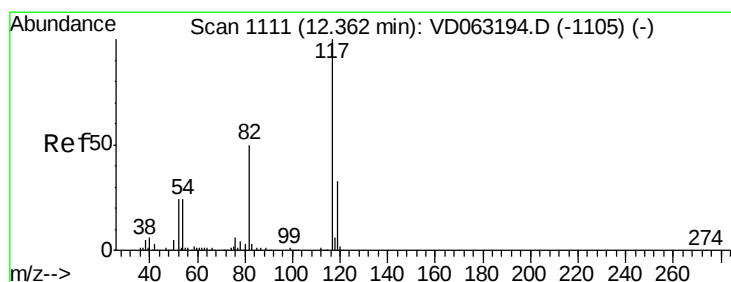
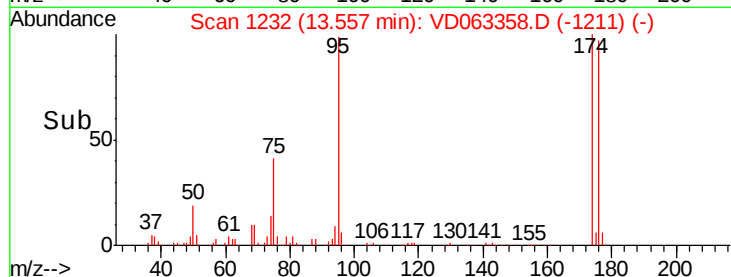
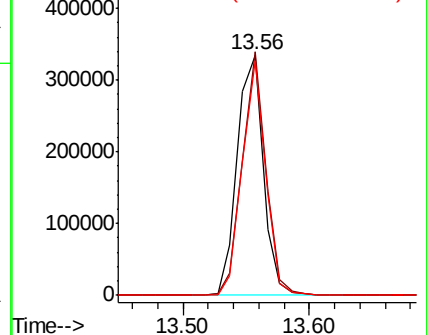
176 98.0 0.0 211.8



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.37 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD063358.D

Acq: 3 Aug 2019 13:46

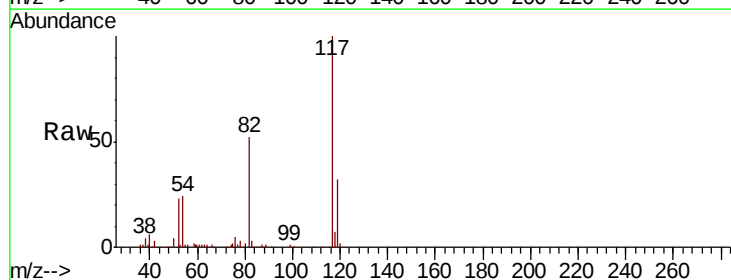
Tgt Ion: 117 Resp: 1062123

Ion Ratio Lower Upper

117 100

82 52.0 40.1 60.1

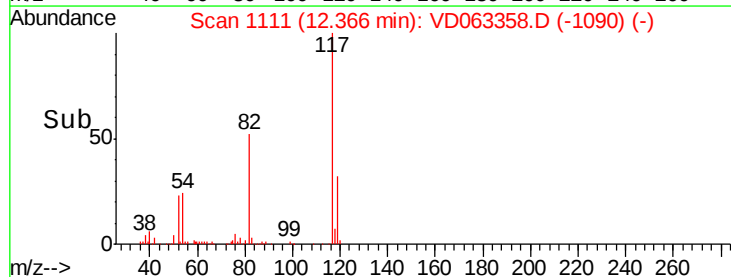
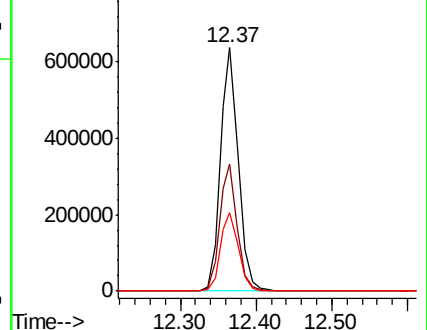
119 32.0 26.5 39.7

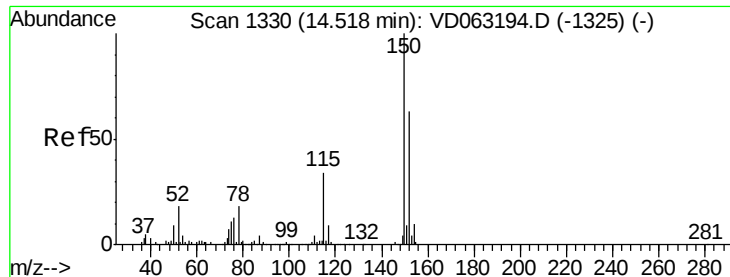


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1329

Delta R.T. -0.01 min

Lab File: VD063358.D

Acq: 3 Aug 2019 13:46

Instrument :

MSVOA_D

ClientSampleId :

1S-C2-(0-1)

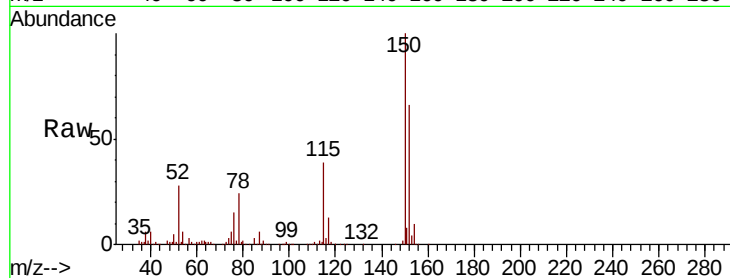
Tgt Ion:152 Resp: 447725

Ion Ratio Lower Upper

152 100

115 59.4 27.5 82.4

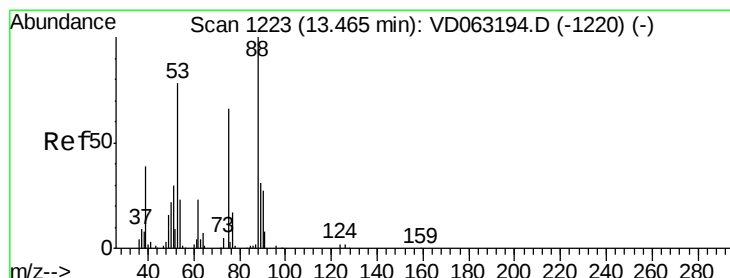
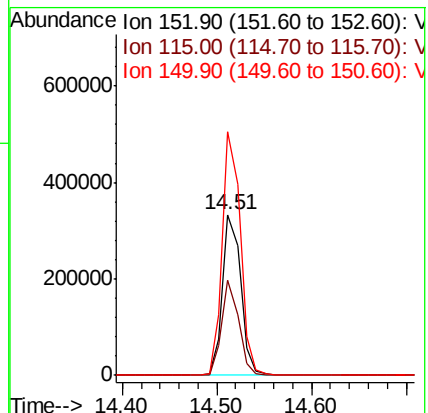
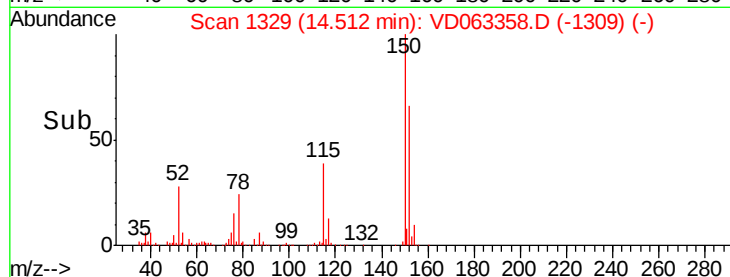
150 151.6 0.0 320.6



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



#81

trans-1,4-Dichloro-2-butene

Concen: 144.651 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. 0.08 min

Lab File: VD063358.D

Acq: 3 Aug 2019 13:46

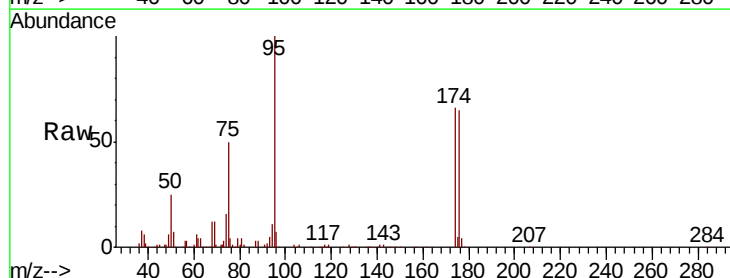
Tgt Ion: 75 Resp: 216007

Ion Ratio Lower Upper

75 100

53 0.0 94.9 142.3#

89 0.0 37.4 56.0#



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

