

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070119\
 Data File : VD062995.D
 Acq On : 1 Jul 2019 17:30
 Operator : VA/AP
 Sample : K3592-03
 Misc : 5.20g/5ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RBR-200052

Quant Time: Jul 02 07:35:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	884775	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1198457	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	963151	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	420966	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	468503	48.71	ug/l	-0.01
Spiked Amount				50.000		
Recovery						97.42%
35) Dibromofluoromethane	6.93	113	538980	53.34	ug/l	0.00
Spiked Amount				50.000		
Recovery						106.68%
50) Toluene-d8	10.41	98	1155219	52.52	ug/l	0.00
Spiked Amount				50.000		
Recovery						105.04%
62) 4-Bromofluorobenzene	13.55	95	435300	43.53	ug/l	0.00
Spiked Amount				50.000		
Recovery						87.06%

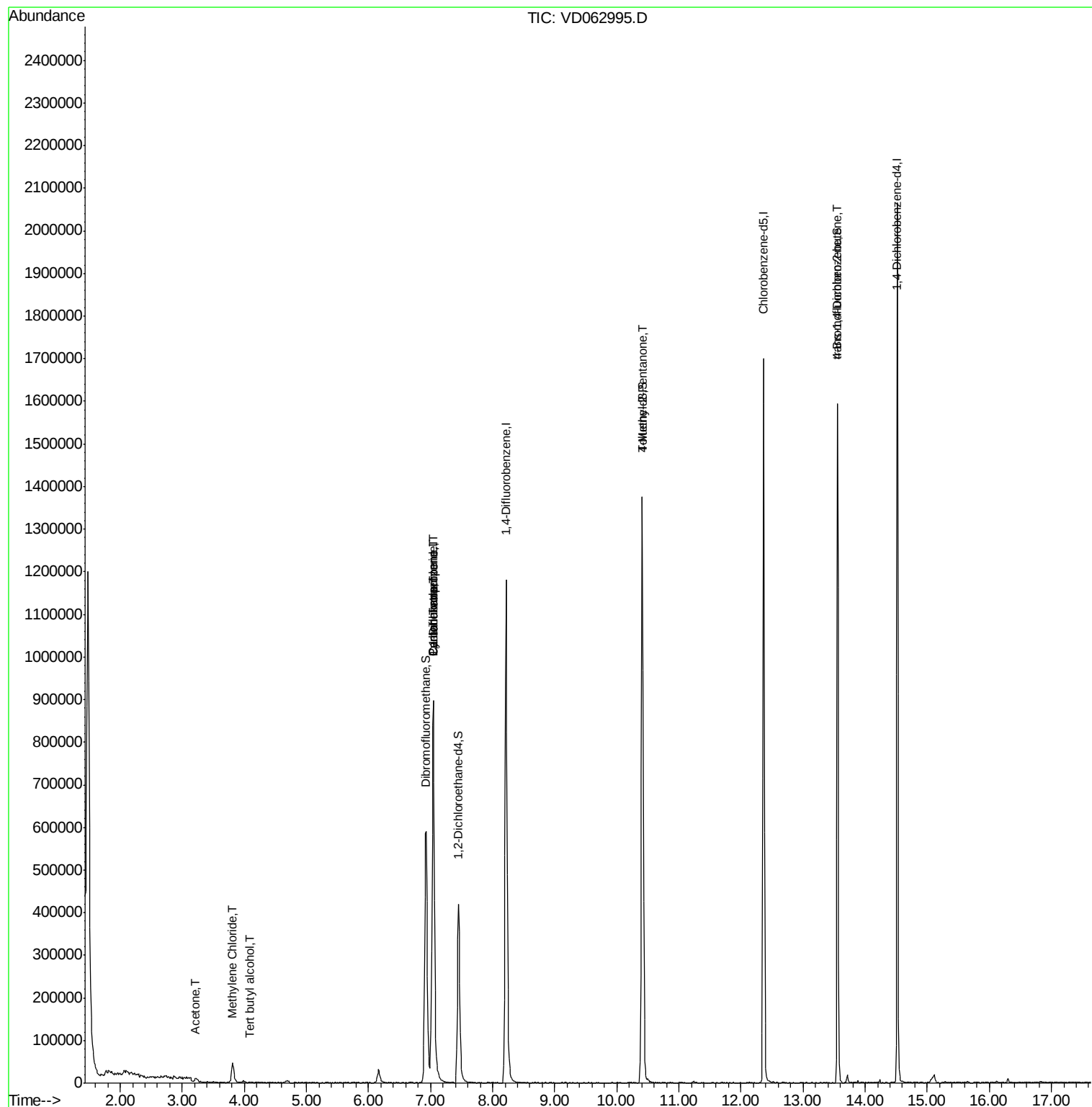
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.09	59	681	1.555	ug/l #	77
16) Acetone	3.21	43	21778	4.291	ug/l	98
20) Methylene Chloride	3.81	84	26999	3.681	ug/l	98
31) Cyclohexane	7.05	56	19027	2.107	ug/l #	23
36) 1,1-Dichloropropene	7.05	75	69081	6.089	ug/l #	52
37) Ethyl Acetate	6.18	43	2213	Below Cal	#	1
38) Carbon Tetrachloride	7.05	117	84540	4.955	ug/l #	16
51) 4-Methyl-2-Pentanone	10.40	43	7731	1.833	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	199628	156.735	ug/l #	2

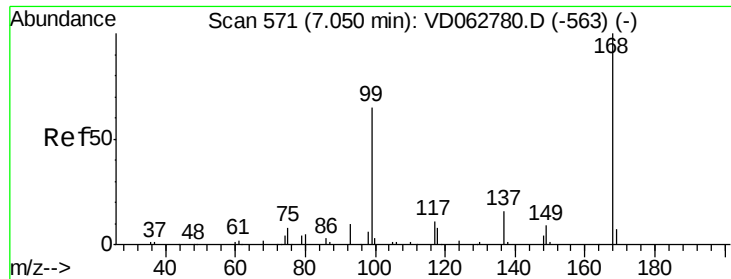
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD070119\
Data File : VD062995.D
Acq On : 1 Jul 2019 17:30
Operator : VA/AP
Sample : K3592-03
Misc : 5.20g/5ml/MSVOA D/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
RBR-200052

Quant Time: Jul 02 07:35:53 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.00 min

Lab File: VD062995.D

Acq: 1 Jul 2019 17:30

Instrument :

MSVOA_D

ClientSampleId :

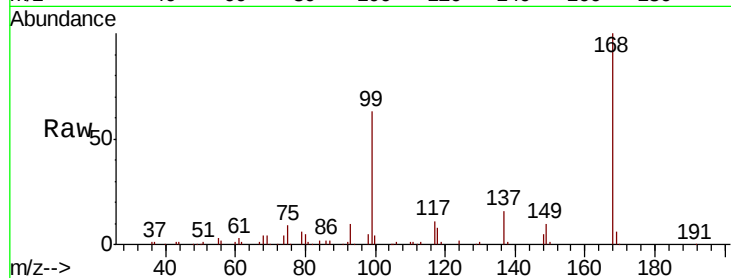
RBR-200052

Tot Ion:168 Resp: 884775

Ion Ratio Lower Upper

168 100

99 63.1 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

300000

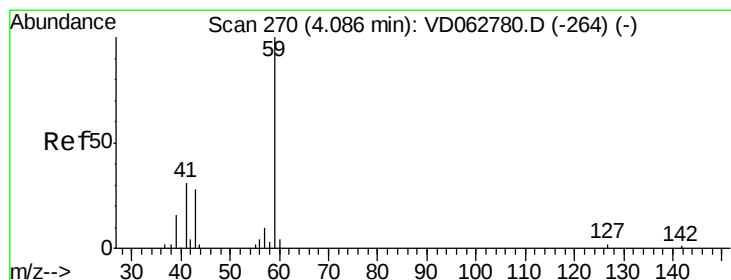
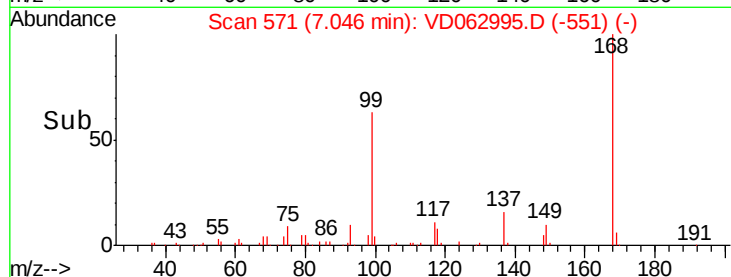
200000

100000

0

Time-->

6.90 7.00 7.10 7.20



#11

Tert butyl alcohol

Concen: 1.555 ug/l

RT: 4.09 min Scan# 271

Delta R.T. 0.01 min

Lab File: VD062995.D

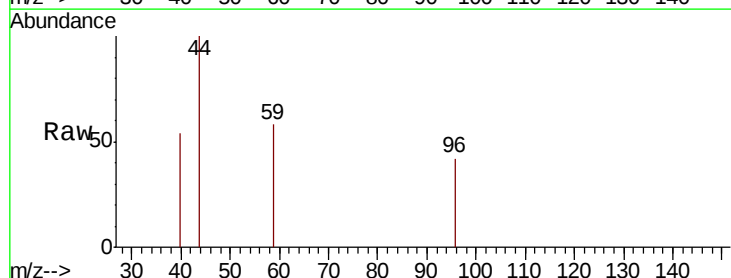
Acq: 1 Jul 2019 17:30

Tgt Ion: 59 Resp: 681

Ion Ratio Lower Upper

59 100

57 0.0 6.6 10.0#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

1000

800

600

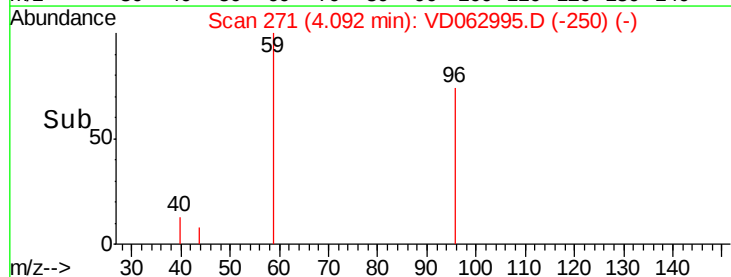
400

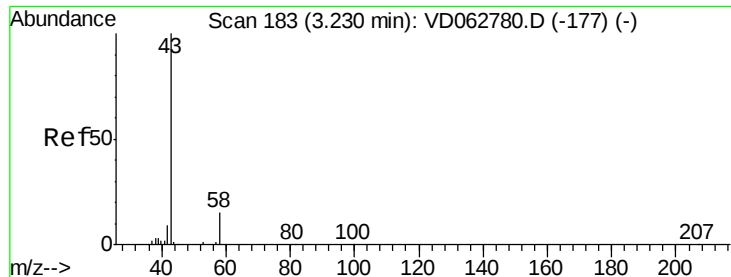
200

0

Time-->

4.04 4.06 4.08 4.10 4.12





#16

Acetone

Concen: 4.291 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.02 min

Lab File: VD062995.D

Acq: 1 Jul 2019 17:30

Instrument :

MSVOA_D

ClientSampleId :

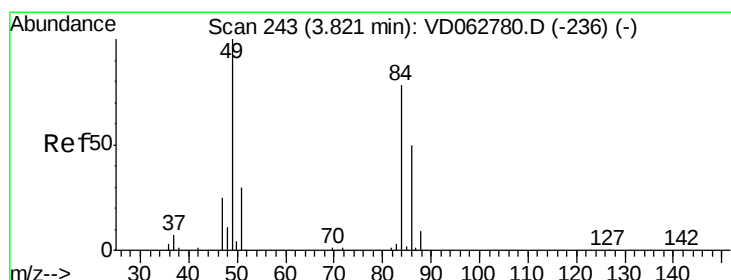
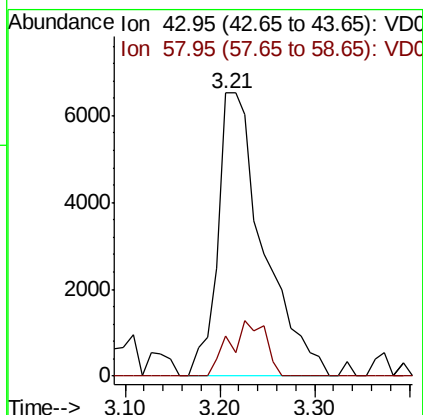
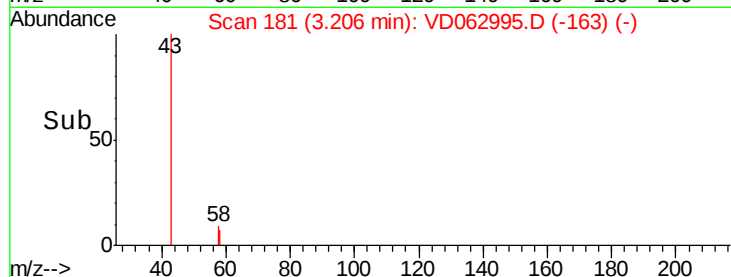
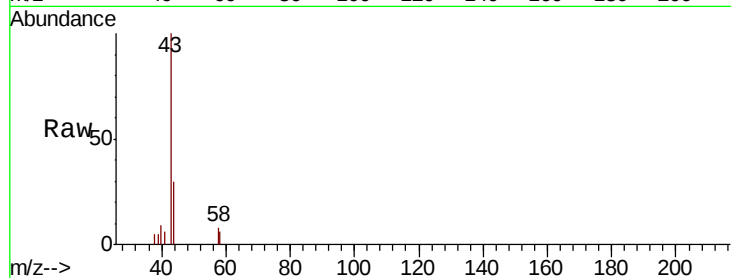
RBR-200052

Tot Ion: 43 Resp: 21778

Ion Ratio Lower Upper

43 100

58 14.1 11.9 17.9



#20

Methylene Chloride

Concen: 3.681 ug/l

RT: 3.81 min Scan# 242

Delta R.T. -0.01 min

Lab File: VD062995.D

Acq: 1 Jul 2019 17:30

Tgt Ion: 84 Resp: 26999

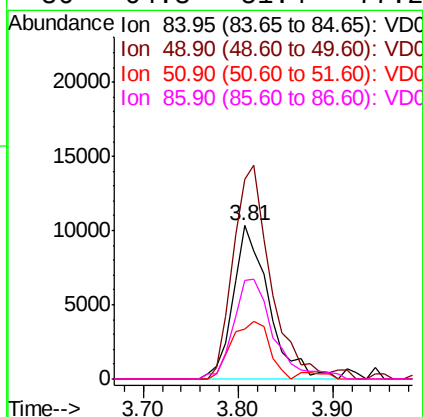
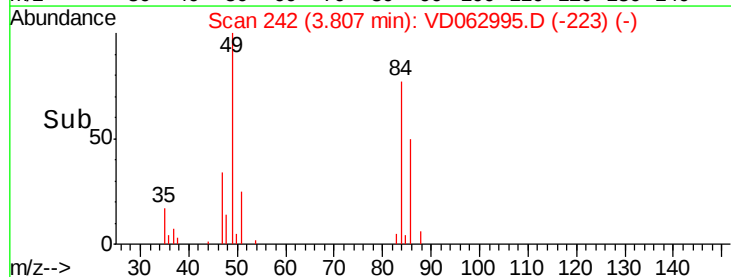
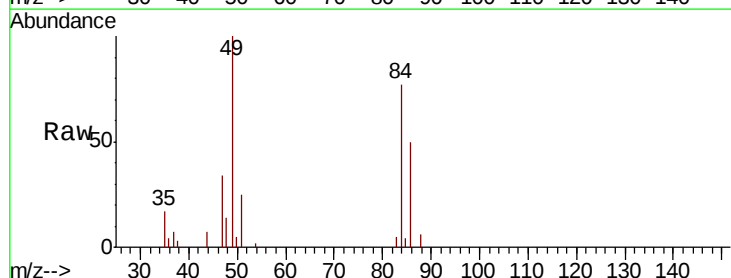
Ion Ratio Lower Upper

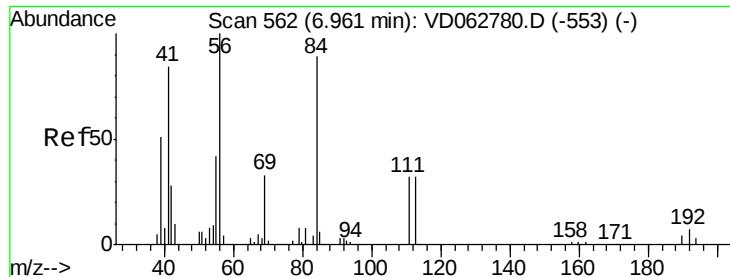
84 100

49 129.8 102.9 154.3

51 32.6 31.2 46.8

86 64.3 51.4 77.2

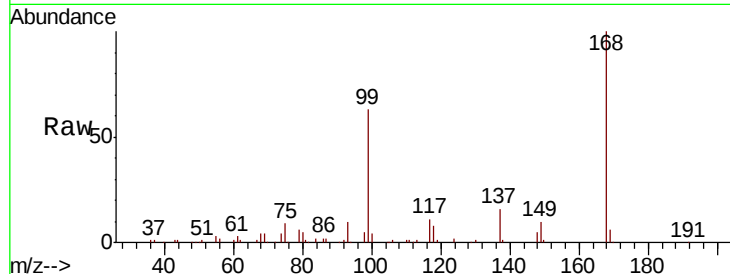




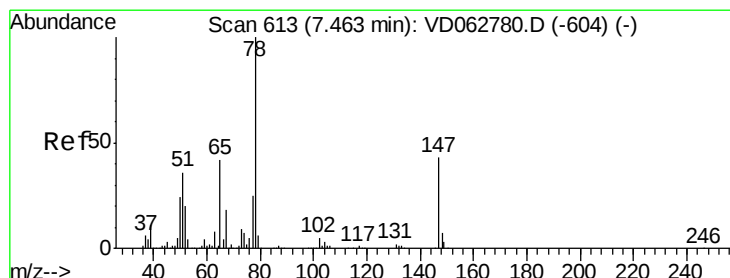
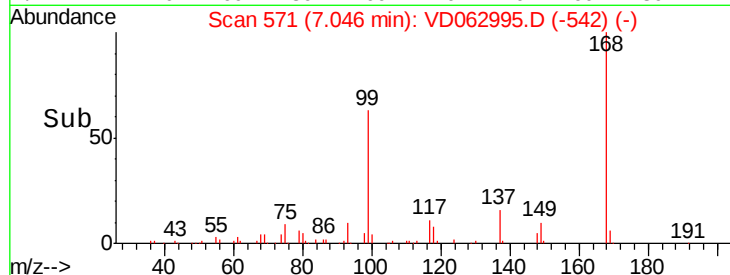
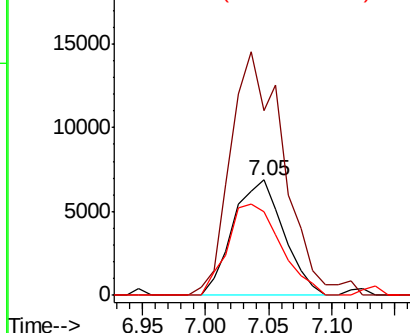
#31
Cyclohexane
Concen: 2.107 ug/l
RT: 7.05 min Scan# 571
Delta R.T. 0.08 min
Lab File: VD062995.D
Acq: 1 Jul 2019 17:30

Instrument :
MSVOA_D
ClientSampleID :
RBR-200052

Tot Ion: 56 Resp: 19027
Ion Ratio Lower Upper
56 100
69 164.9 26.6 39.8#
84 73.1 75.5 113.3#

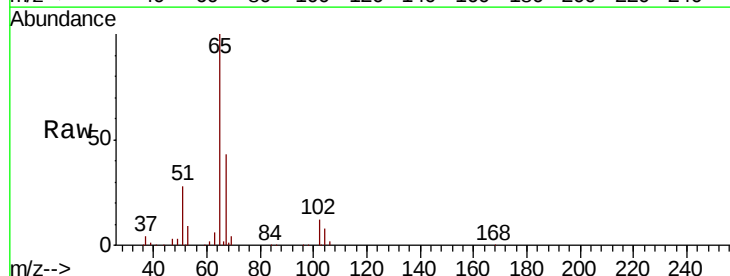


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

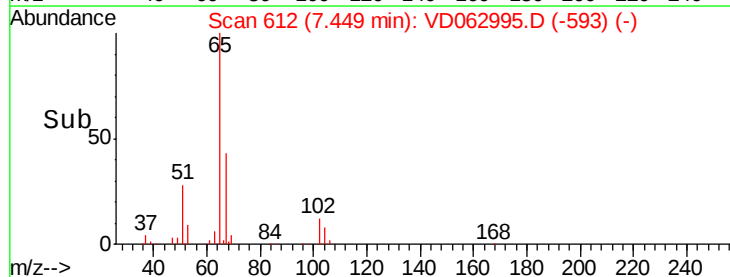
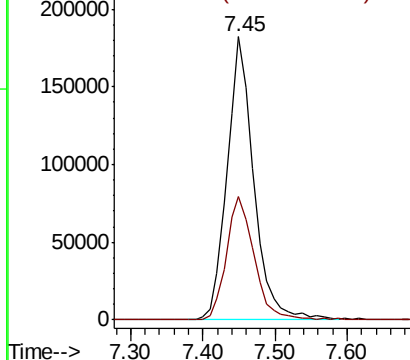


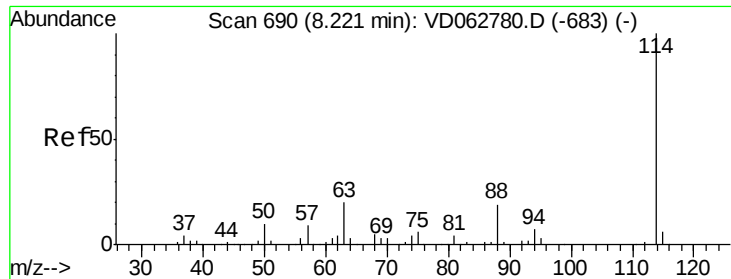
#33
1,2-Dichloroethane-d4
Concen: 48.714 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.01 min
Lab File: VD062995.D
Acq: 1 Jul 2019 17:30

Tgt Ion: 65 Resp: 468503
Ion Ratio Lower Upper
65 100
67 43.5 0.0 87.4



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

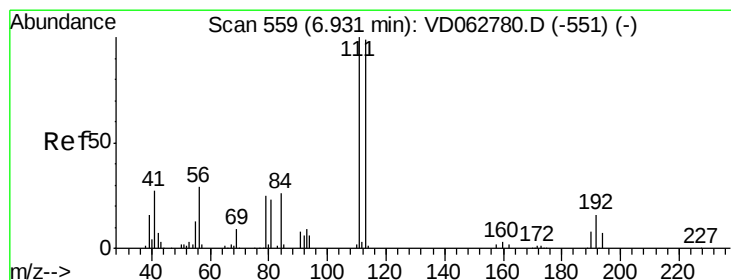
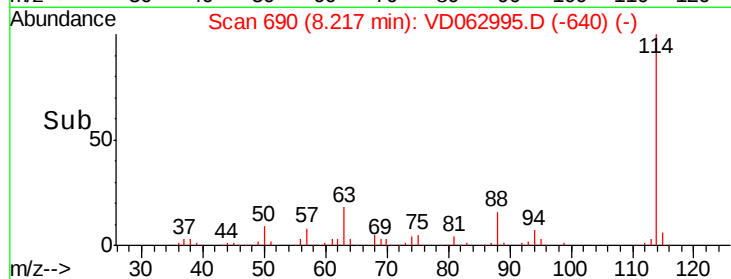
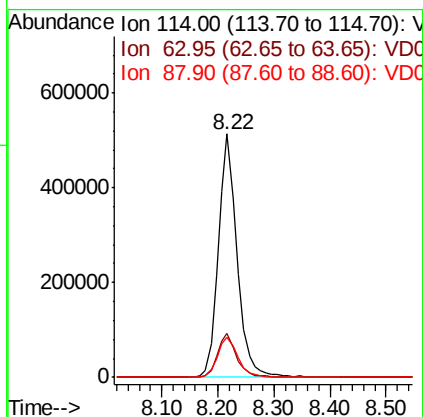
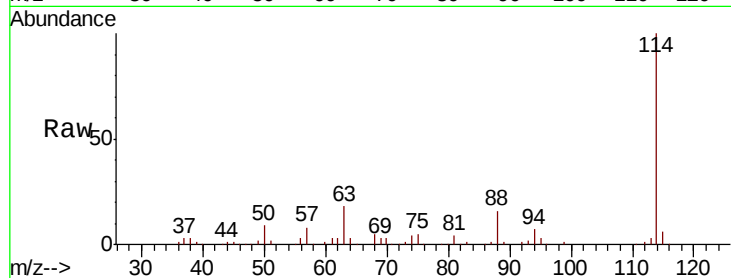




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. -0.00 min
 Lab File: VD062995.D
 Acq: 1 Jul 2019 17:30

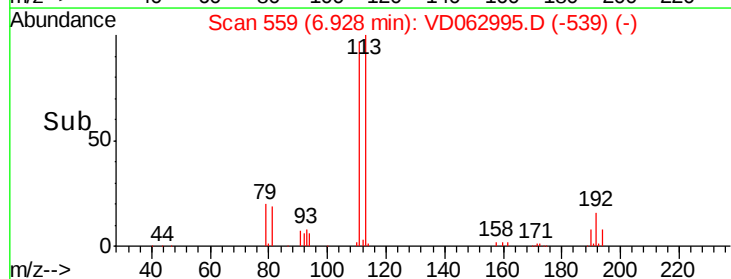
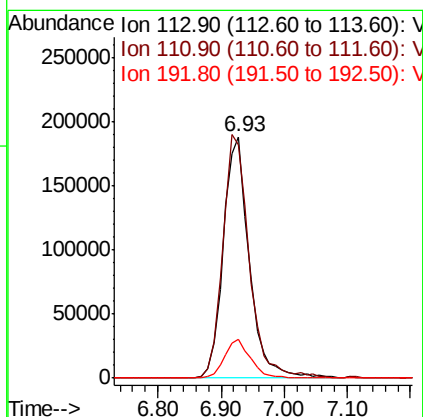
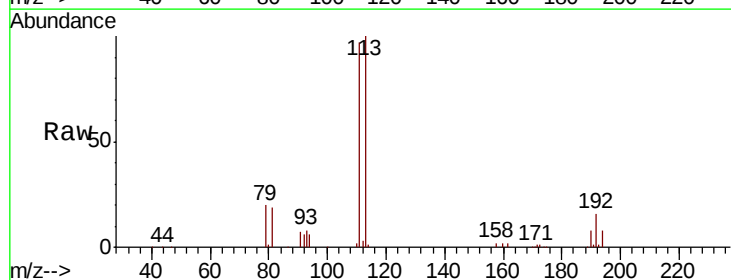
Instrument :
 MSVOA_D
 ClientSampleId :
 RBR-200052

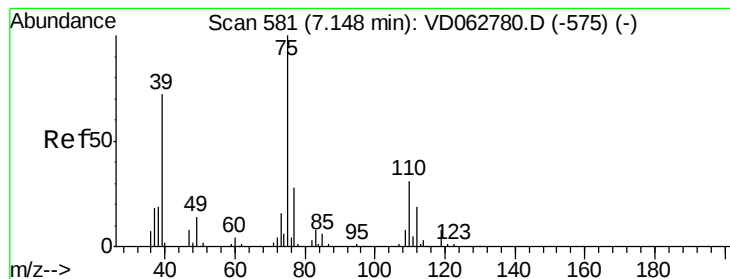
Tot Ion:114 Resp: 1198457
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 40.0
 88 16.4 0.0 38.8



#35
 Dibromofluoromethane
 Concen: 53.336 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. -0.00 min
 Lab File: VD062995.D
 Acq: 1 Jul 2019 17:30

Tgt Ion:113 Resp: 538980
 Ion Ratio Lower Upper
 113 100
 111 96.7 81.2 121.8
 192 16.1 12.9 19.3





#36

1,1-Dichloropropene

Concen: 6.089 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.10 min

Lab File: VD062995.D

Acq: 1 Jul 2019 17:30

Instrument :

MSVOA_D

ClientSampleId :

RBR-200052

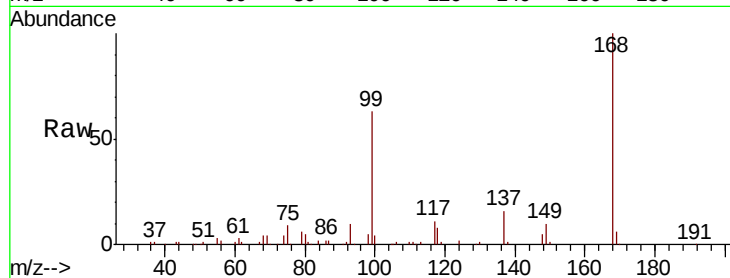
Tot Ion: 75 Resp: 69081

Ion Ratio Lower Upper

75 100

110 6.3 15.0 45.1#

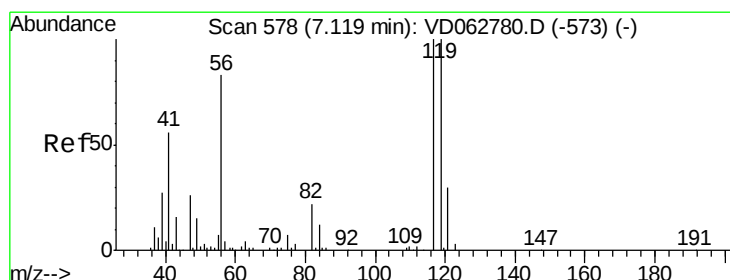
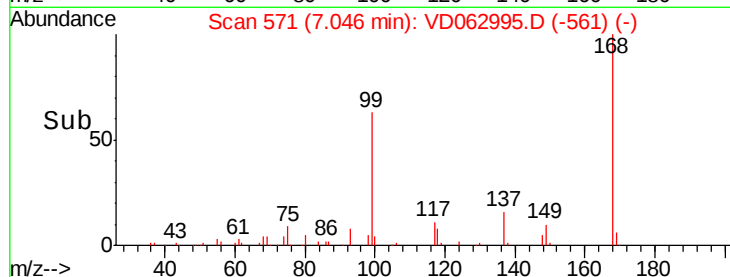
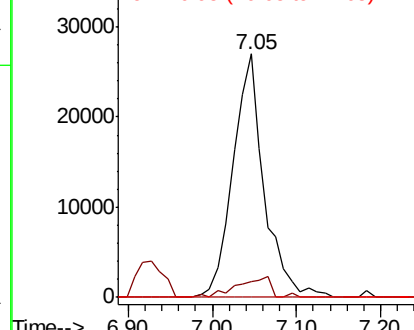
77 0.0 22.2 33.2#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.95 (76.65 to 77.65): VDC



#38

Carbon Tetrachloride

Concen: 4.955 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.07 min

Lab File: VD062995.D

Acq: 1 Jul 2019 17:30

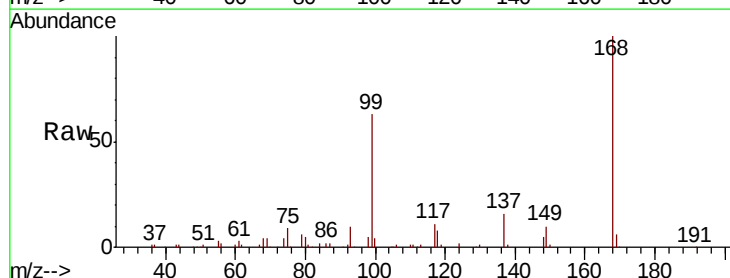
Tgt Ion: 117 Resp: 84540

Ion Ratio Lower Upper

117 100

119 4.7 75.4 113.2#

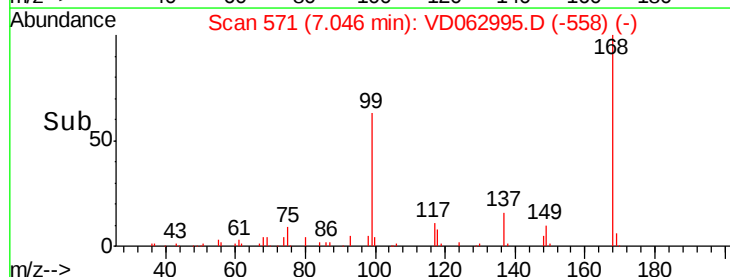
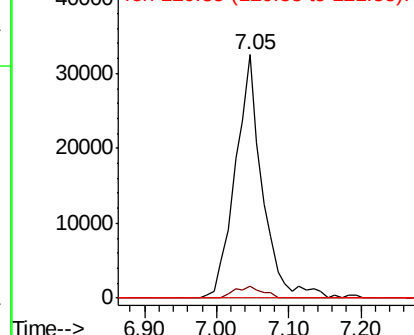
121 0.0 22.3 33.5#

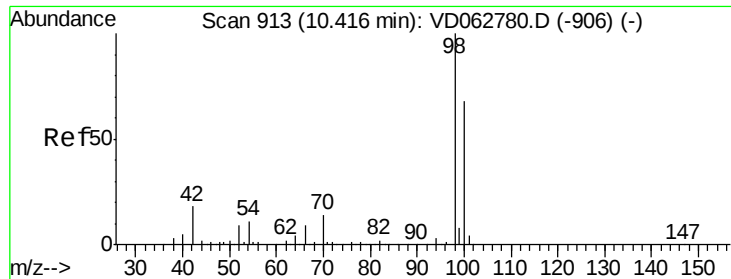


Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 118.85 (118.55 to 119.55): VDC

Ion 120.85 (120.55 to 121.55): VDC

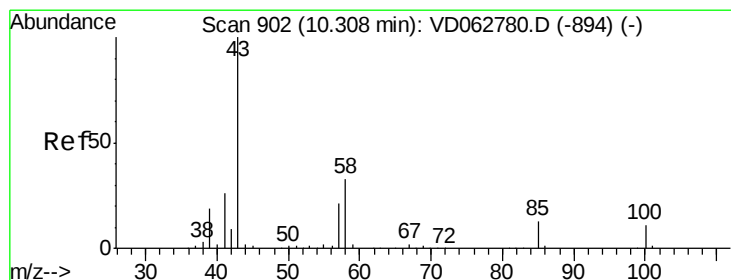
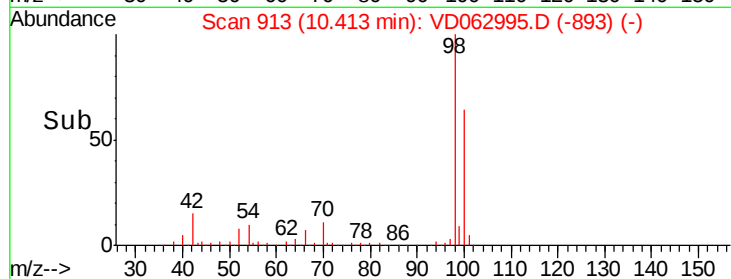
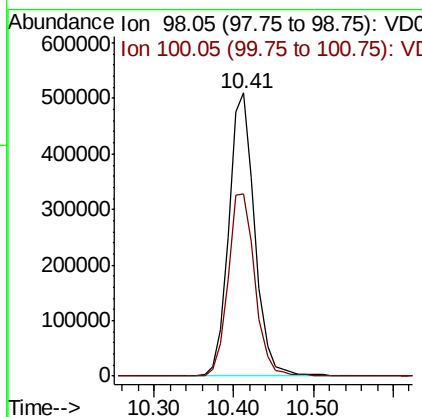
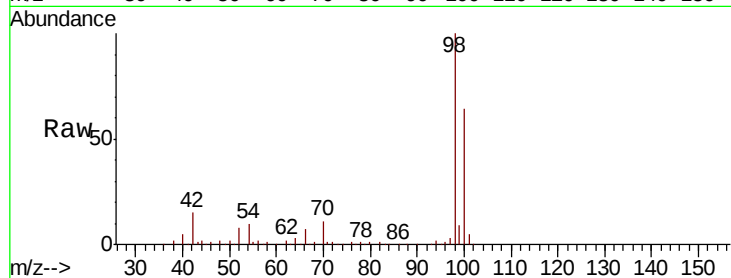




#50
Toluene-d8
Concen: 52.525 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD062995.D
Acq: 1 Jul 2019 17:30

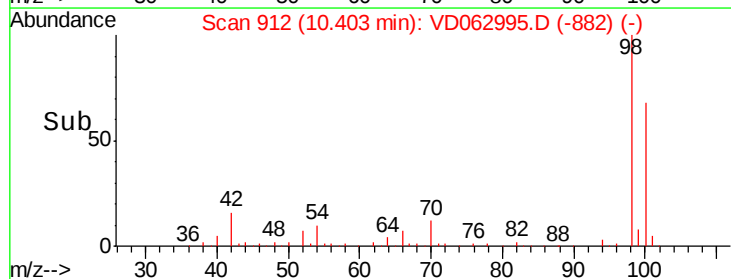
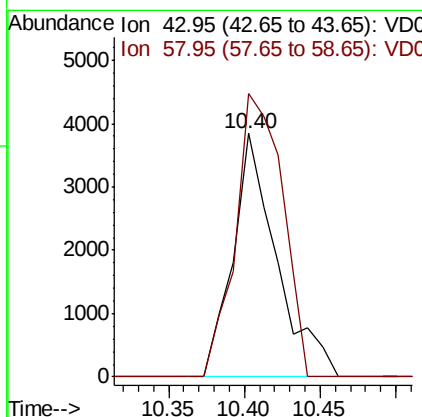
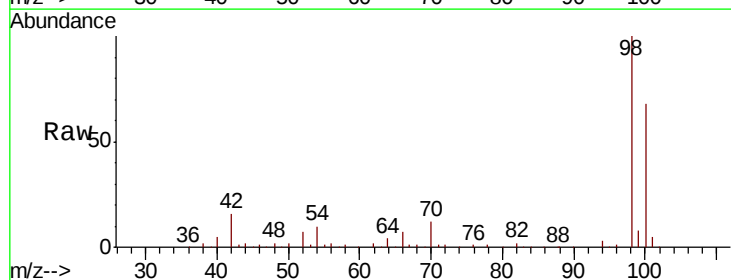
Instrument :
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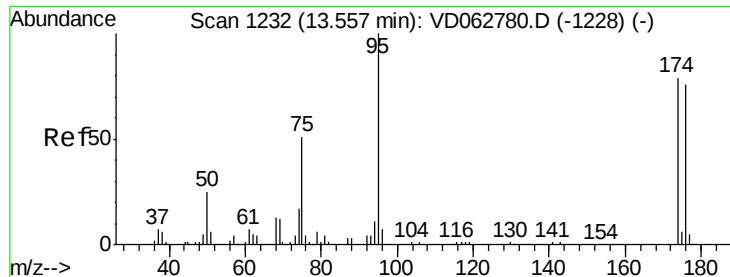
Tot Ion: 98 Resp: 1155219
Ion Ratio Lower Upper
98 100
100 64.5 54.7 82.1



#51
4-Methyl-2-Pentanone
Concen: 1.833 ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.09 min
Lab File: VD062995.D
Acq: 1 Jul 2019 17:30

Tgt Ion: 43 Resp: 7731
Ion Ratio Lower Upper
43 100
58 116.4 26.6 40.0#





#62

4-Bromofluorobenzene

Concen: 43.527 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD062995.D

Acq: 1 Jul 2019 17:30

Instrument :

MSVOA_D

ClientSampleId :

RBR-200052

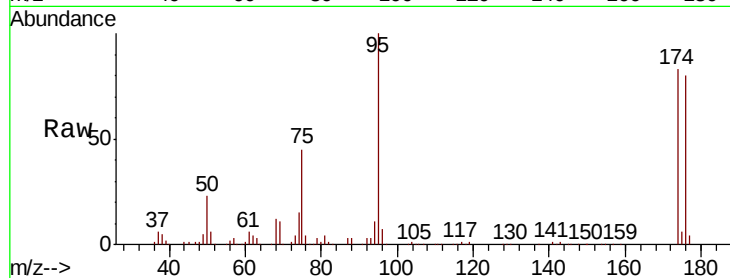
Tot Ion: 95 Resp: 435300

Ion Ratio Lower Upper

95 100

174 83.1 0.0 158.0

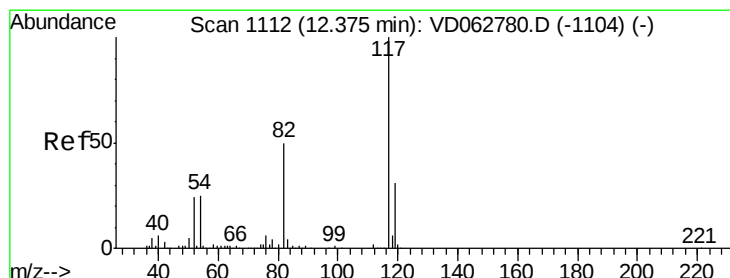
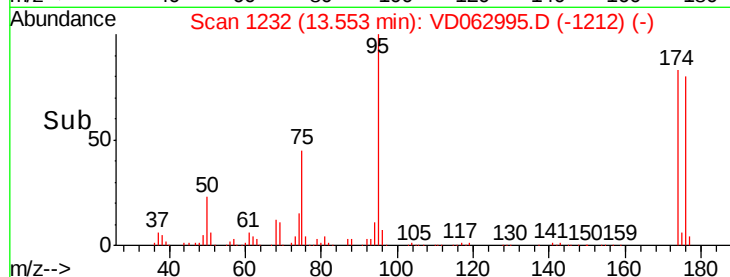
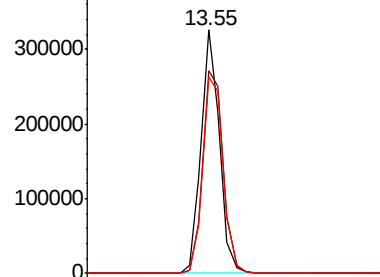
176 80.5 0.0 151.6



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# 1112

Delta R.T. -0.00 min

Lab File: VD062995.D

Acq: 1 Jul 2019 17:30

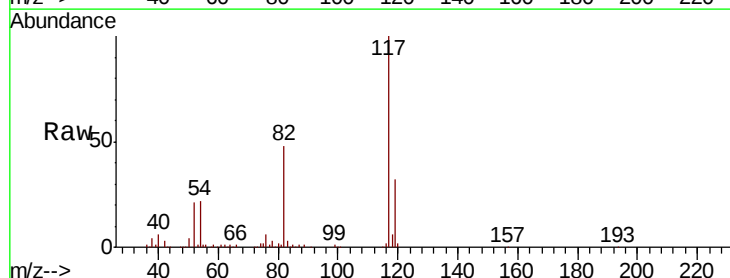
Tgt Ion: 117 Resp: 963151

Ion Ratio Lower Upper

117 100

82 48.1 40.4 60.6

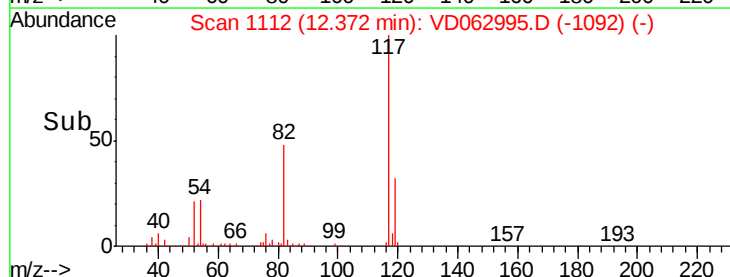
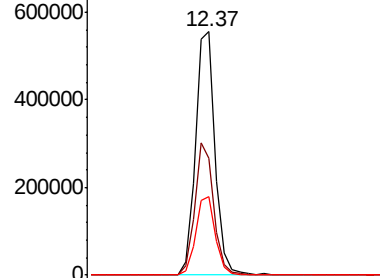
119 32.0 25.2 37.8

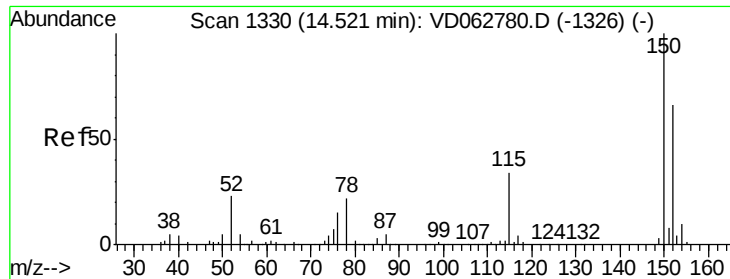


Abundance Ion 116.95 (116.65 to 117.65): V

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: 14.52 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD062995.D

Acq: 1 Jul 2019 17:30

Instrument :

MSVOA_D

ClientSampleId :

RBR-200052

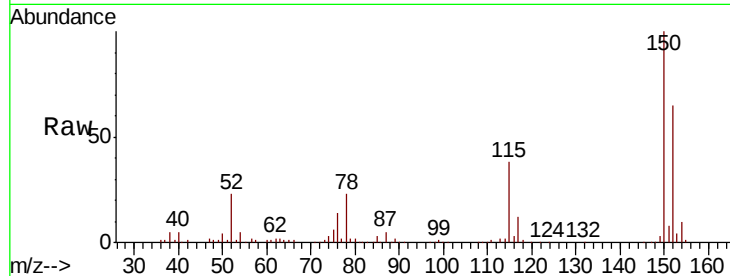
Tot Ion:152 Resp: 420966

Ion Ratio Lower Upper

152 100

115 57.9 29.2 87.6

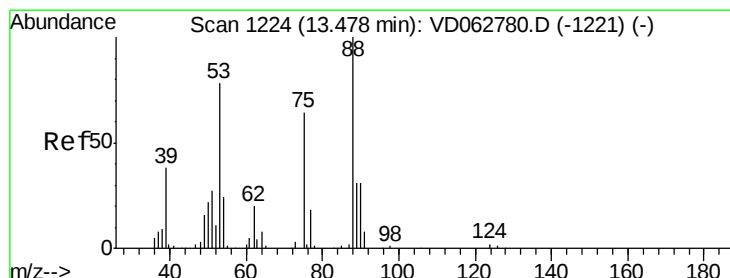
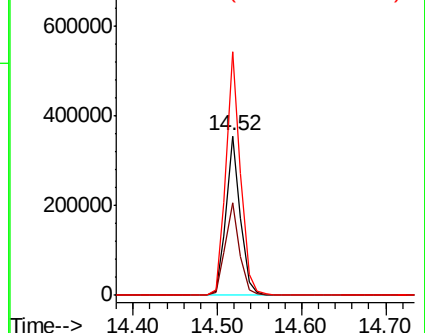
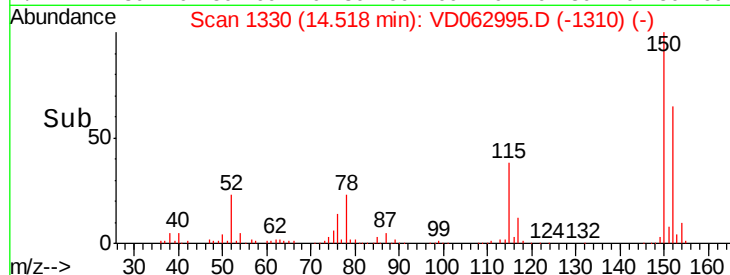
150 152.9 0.0 305.8



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: 156.735 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD062995.D

Acq: 1 Jul 2019 17:30

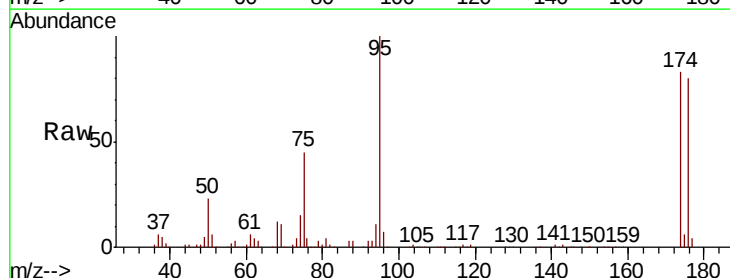
Tgt Ion: 75 Resp: 199628

Ion Ratio Lower Upper

75 100

53 0.0 97.8 146.8#

89 0.0 39.4 59.2#



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

