

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070119\
 Data File : VD062981.D
 Acq On : 1 Jul 2019 10:50
 Operator : VA/AP
 Sample : VD0701SBL01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0701SBL01

Quant Time: Jul 02 07:32:57 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

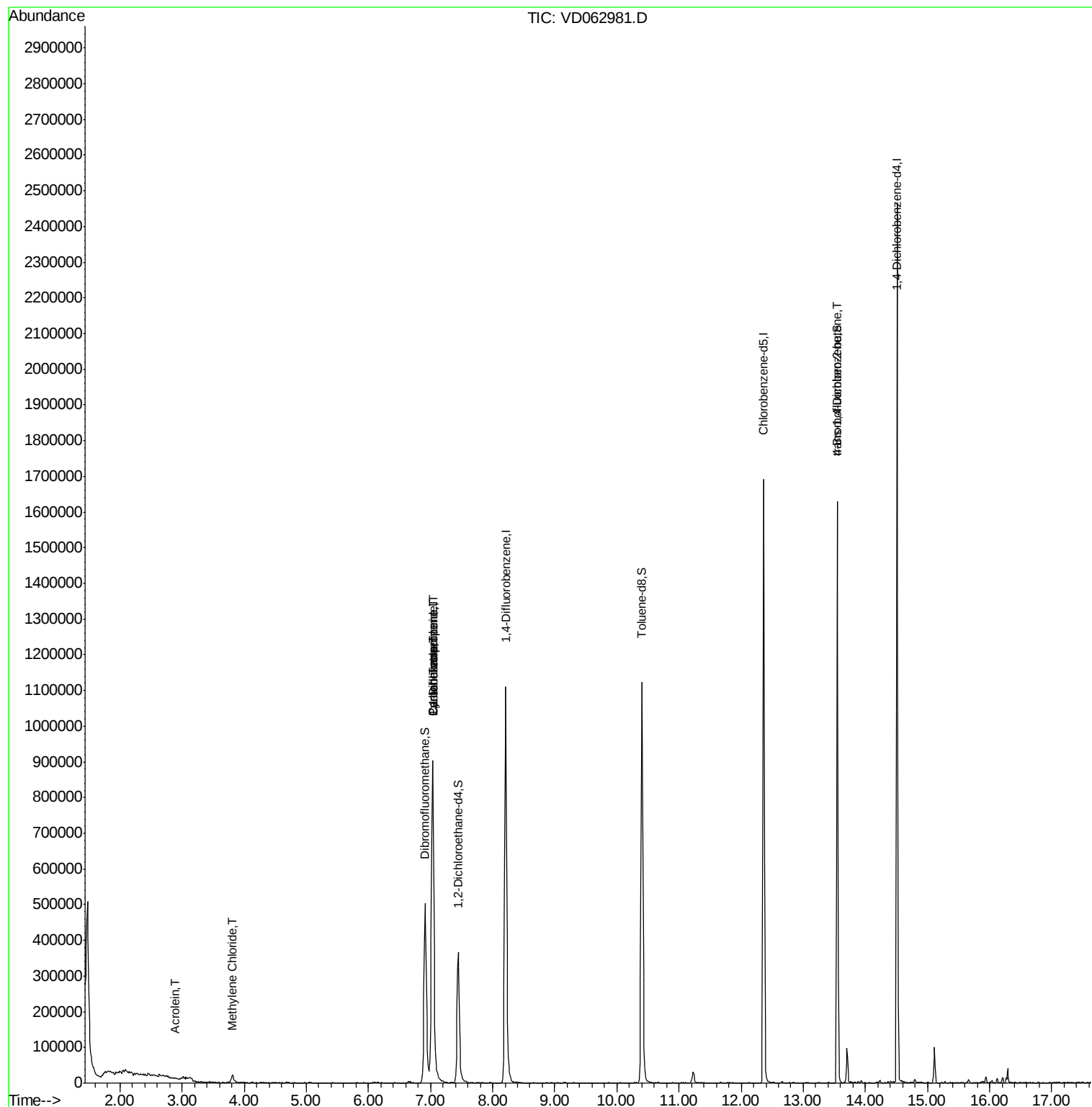
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	874624	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1139036	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	937995	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	495432	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	423059	44.50	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	89.00%	
35) Dibromofluoromethane	6.91	113	438661	45.67	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	91.34%	
50) Toluene-d8	10.40	98	924281	44.22	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	88.44%	
62) 4-Bromofluorobenzene	13.55	95	442229	46.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.06%	
Target Compounds						
					Qvalue	
13) Acrolein	2.88	56	467	1.056	ug/l	100
16) Acetone	3.21	43	4406	Below Cal	#	60
20) Methylene Chloride	3.80	84	13593	1.875	ug/l #	80
31) Cyclohexane	7.03	56	20439	2.289	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	70185	6.509	ug/l #	58
37) Ethyl Acetate	6.16	43	195	Below Cal	#	69
38) Carbon Tetrachloride	7.03	117	93079	5.740	ug/l #	16
81) trans-1,4-Dichloro-2-buten	13.55	75	220508	147.106	ug/l #	2

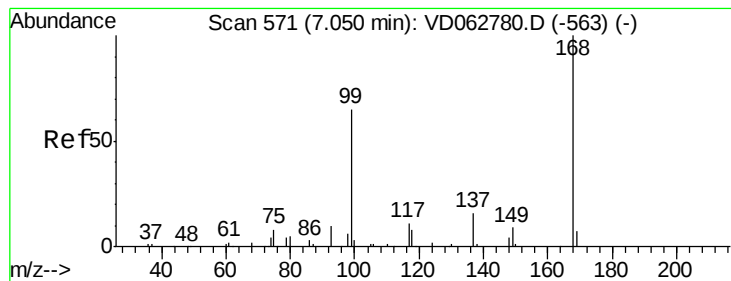
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD070119\
Data File : VD062981.D
Acq On : 1 Jul 2019 10:50
Operator : VA/AP
Sample : VD0701SBL01
Misc : 5.00µl/5ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0701SBL01

Quant Time: Jul 02 07:32:57 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: 7.04 min Scan# 570

Delta R.T. -0.01 min

Lab File: VD062981.D

Acq: 1 Jul 2019 10:50

Instrument :

MSVOA_D

ClientSampleId :

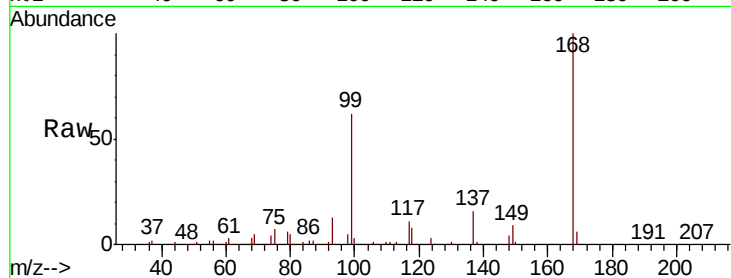
VD0701SBL01

Tot Ion:168 Resp: 874624

Ion Ratio Lower Upper

168 100

99 61.6 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

300000

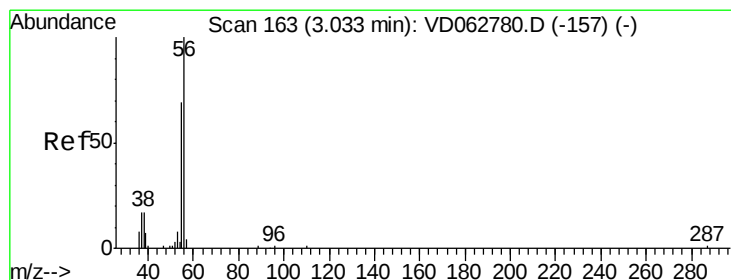
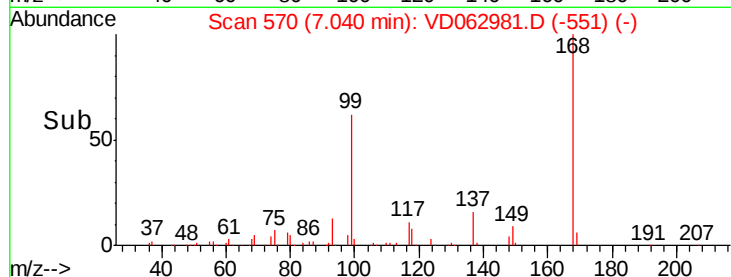
200000

100000

0

Time-->

6.90 7.00 7.10 7.20 7.30



#13

Acrolein

Concen: 1.056 ug/l

RT: 2.88 min Scan# 147

Delta R.T. -0.16 min

Lab File: VD062981.D

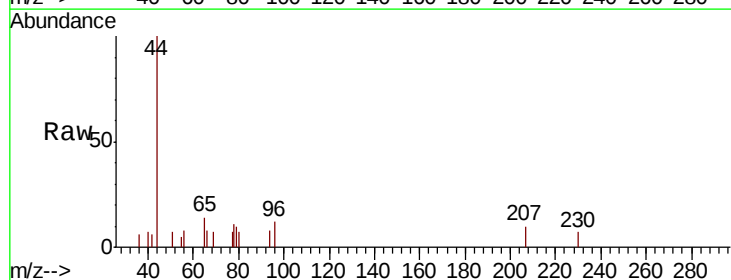
Acq: 1 Jul 2019 10:50

Tgt Ion: 56 Resp: 467

Ion Ratio Lower Upper

56 100

55 69.2 55.4 83.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

800

600

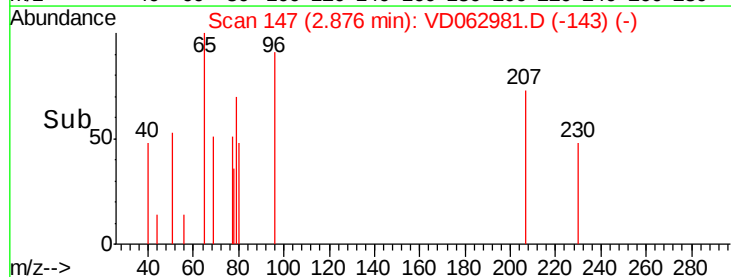
400

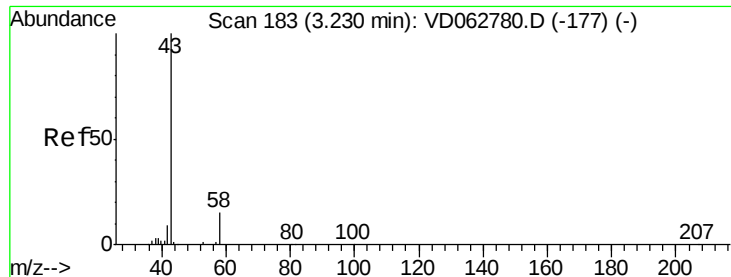
200

0

Time-->

2.85 2.90





#16

Acetone

Concen: Below Cal

RT: 3.21 min Scan# 181

Delta R.T. -0.02 min

Lab File: VD062981.D

Acq: 1 Jul 2019 10:50

Instrument :

MSVOA_D

ClientSampleId :

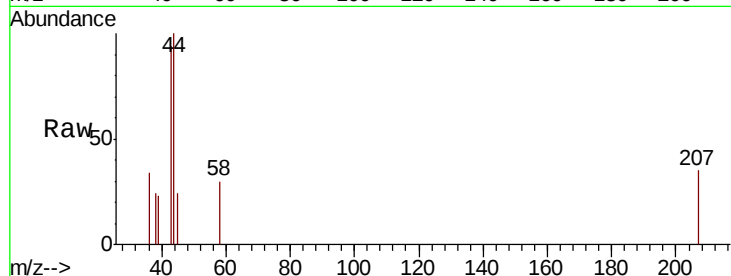
VD0701SBL01

Tot Ion: 43 Resp: 4406

Ion Ratio Lower Upper

43 100

58 31.5 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.21

1500

1000

500

0

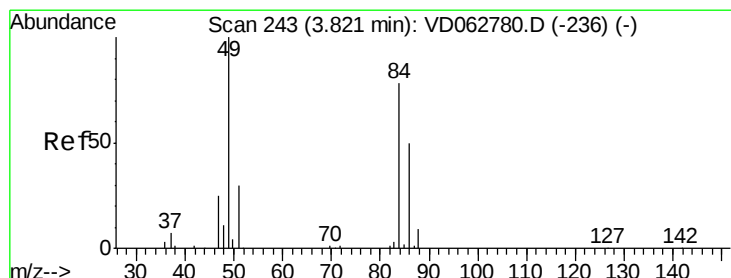
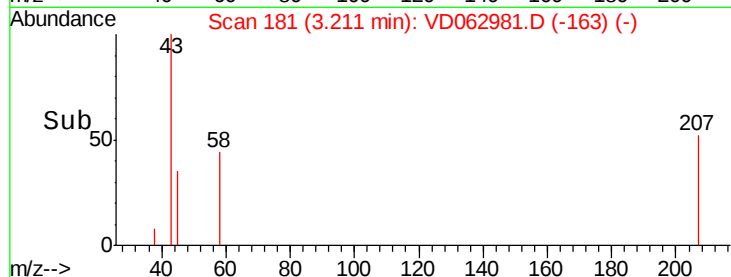
Time-->

3.15

3.20

3.25

3.30



#20

Methylene Chloride

Concen: 1.875 ug/l

RT: 3.80 min Scan# 241

Delta R.T. -0.02 min

Lab File: VD062981.D

Acq: 1 Jul 2019 10:50

Tgt Ion: 84 Resp: 13593

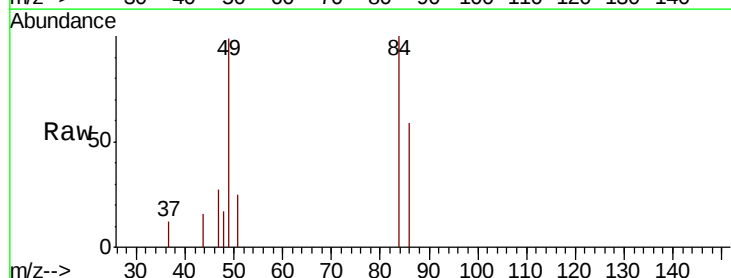
Ion Ratio Lower Upper

84 100

49 99.0 102.9 154.3#

51 24.5 31.2 46.8#

86 58.9 51.4 77.2



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

8000

6000

4000

2000

0

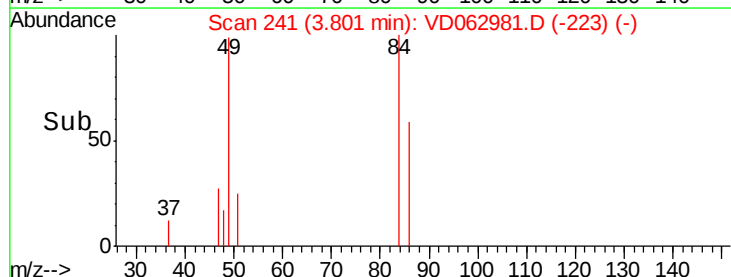
Time-->

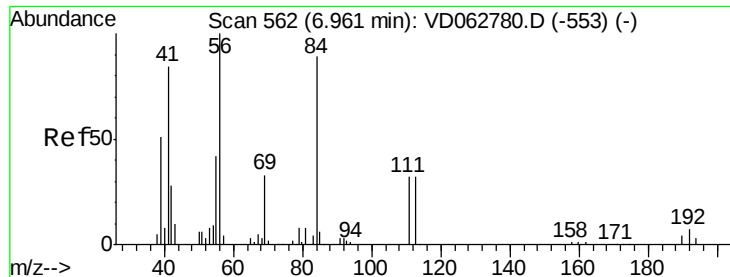
3.75

3.80

3.85

3.90

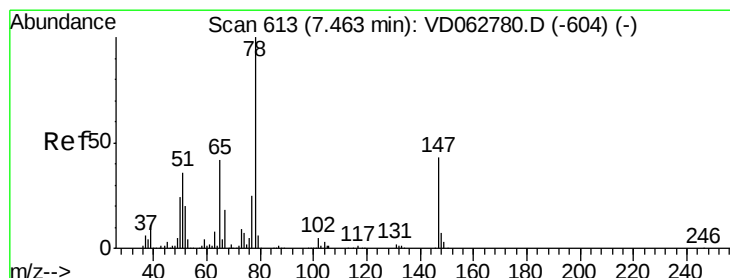
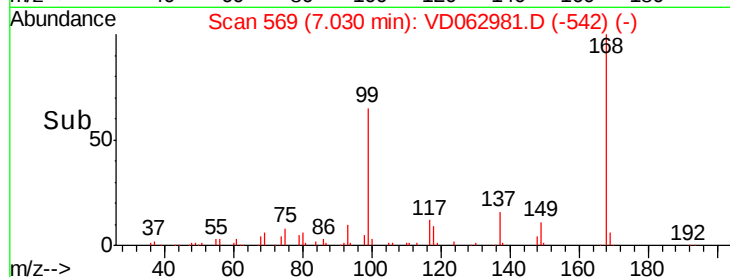
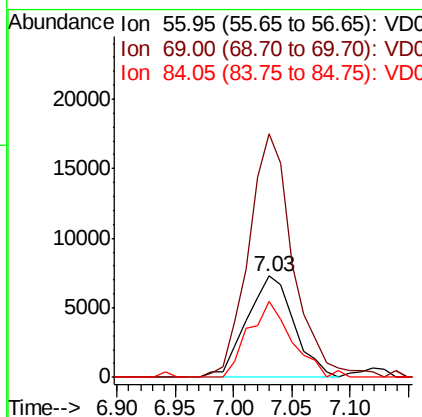
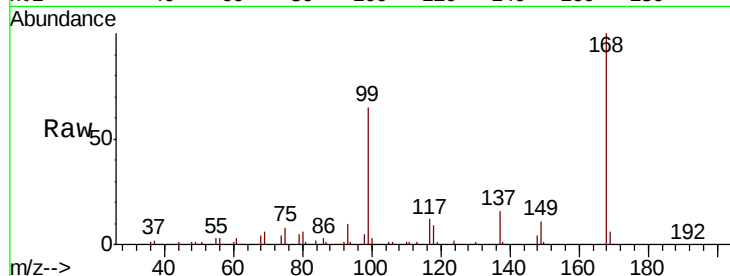




#31
Cyclohexane
Concen: 2.289 ug/l
RT: 7.03 min Scan# 569
Delta R.T. 0.07 min
Lab File: VD062981.D
Acq: 1 Jul 2019 10:50

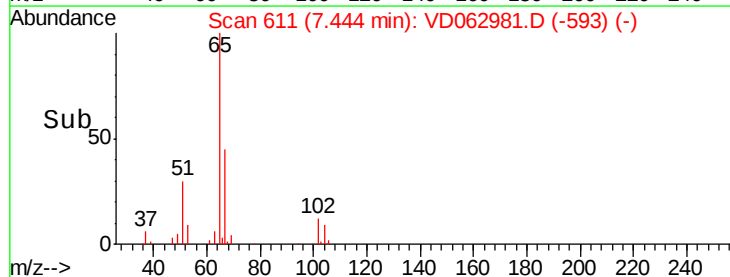
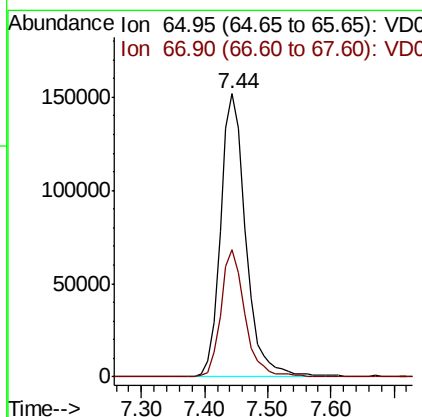
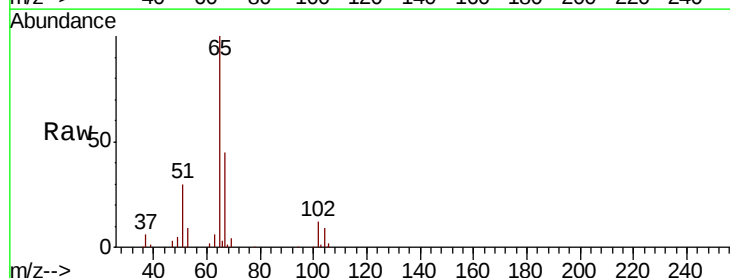
Instrument :
MSVOA_D
ClientSampleId :
VD0701SBL01

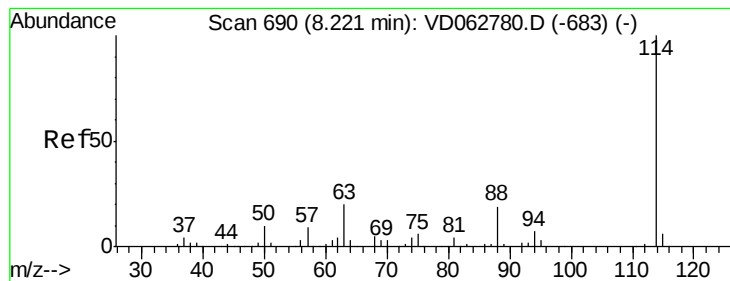
Tot Ion: 56 Resp: 20439
Ion Ratio Lower Upper
56 100
69 240.3 26.6 39.8#
84 75.1 75.5 113.3#



#33
1,2-Dichloroethane-d4
Concen: 44.500 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.02 min
Lab File: VD062981.D
Acq: 1 Jul 2019 10:50

Tgt Ion: 65 Resp: 423059
Ion Ratio Lower Upper
65 100
67 44.9 0.0 87.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. -0.01 min

Lab File: VD062981.D

Acq: 1 Jul 2019 10:50

Instrument :

MSVOA_D

ClientSampleId :

VD0701SBL01

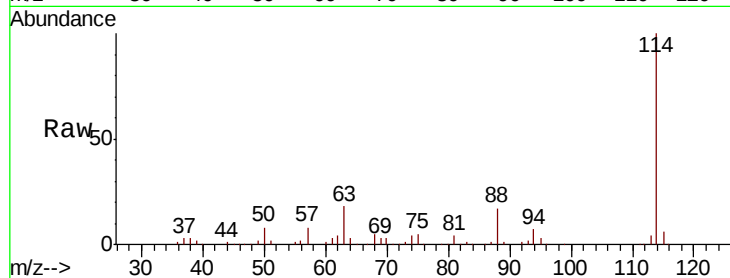
Tot Ion:114 Resp: 1139036

Ion Ratio Lower Upper

114 100

63 17.9 0.0 40.0

88 16.6 0.0 38.8



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

600000

500000

400000

300000

200000

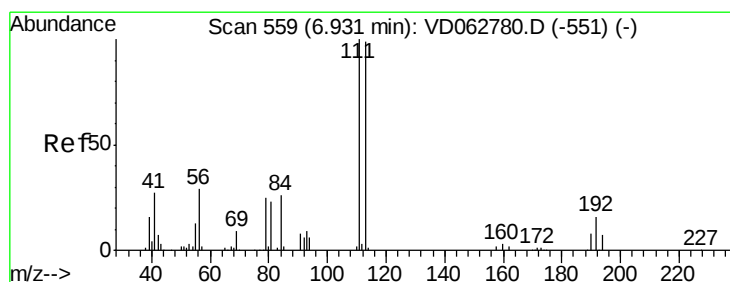
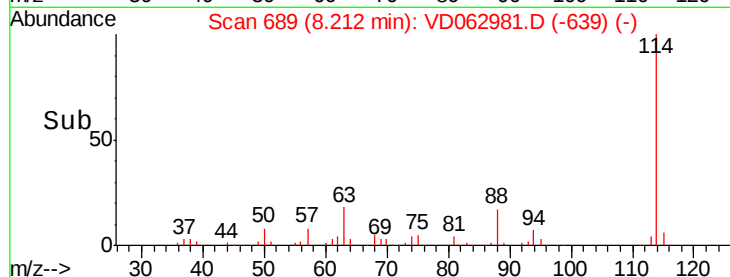
100000

0

8.21

8.10 8.20 8.30 8.40

Time-->



#35

Dibromofluoromethane

Concen: 45.673 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.02 min

Lab File: VD062981.D

Acq: 1 Jul 2019 10:50

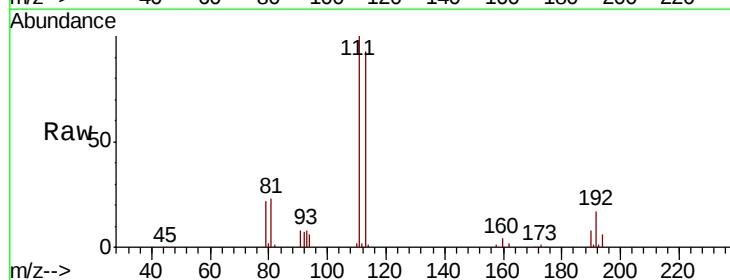
Tgt Ion:113 Resp: 438661

Ion Ratio Lower Upper

113 100

111 107.4 81.2 121.8

192 17.9 12.9 19.3



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

200000

150000

100000

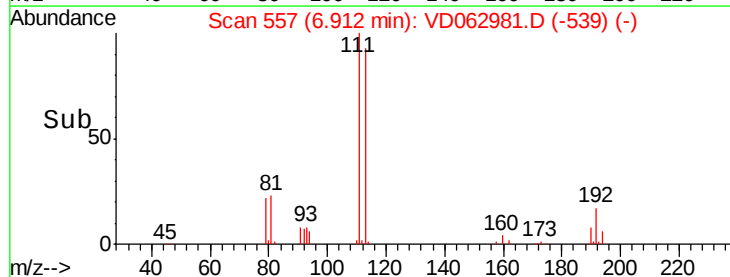
50000

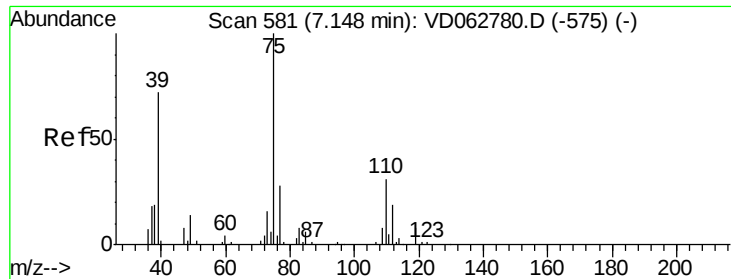
0

6.91

6.80 6.90 7.00 7.10

Time-->





#36

1,1-Dichloropropene

Concen: 6.509 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.11 min

Lab File: VD062981.D

Acq: 1 Jul 2019 10:50

Instrument :

MSVOA_D

ClientSampleId :

VD0701SBL01

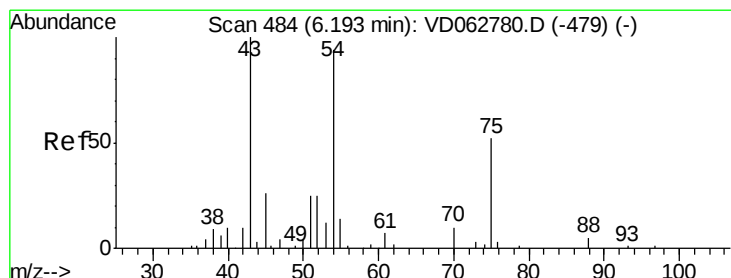
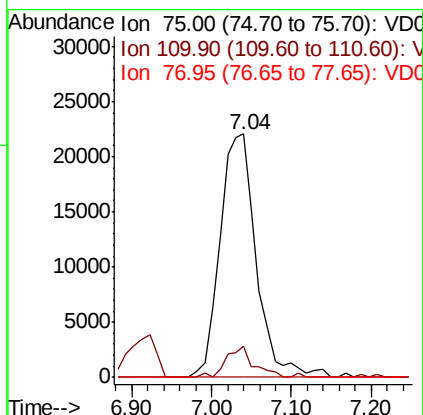
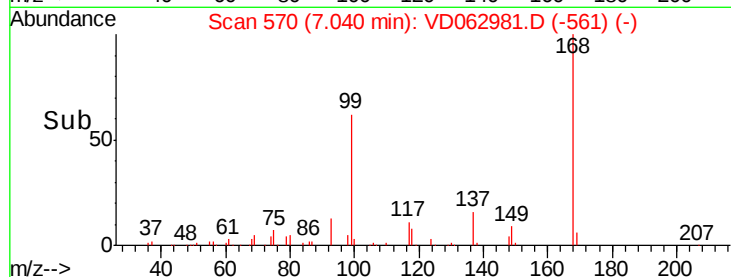
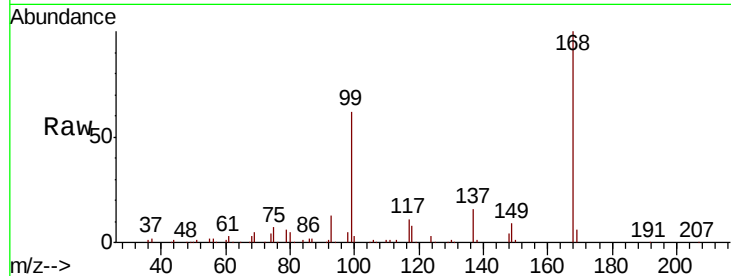
Tot Ion: 75 Resp: 70185

Ion Ratio Lower Upper

75 100

110 12.6 15.0 45.1#

77 0.0 22.2 33.2#



#37

Ethyl Acetate

Concen: Below Cal

RT: 6.16 min Scan# 481

Delta R.T. -0.03 min

Lab File: VD062981.D

Acq: 1 Jul 2019 10:50

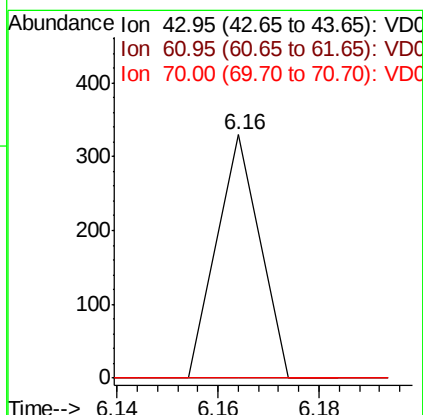
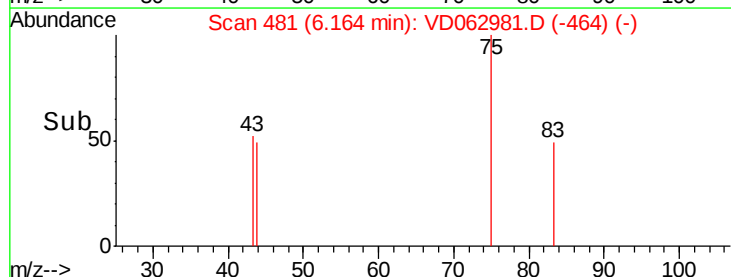
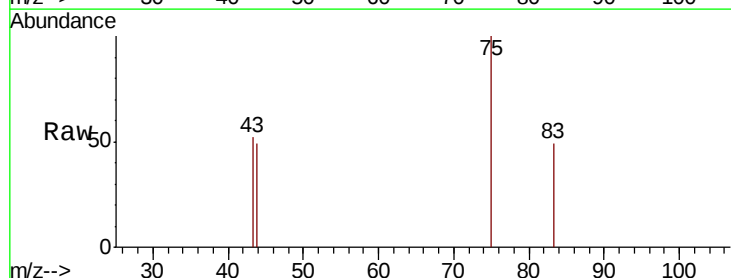
Tgt Ion: 43 Resp: 195

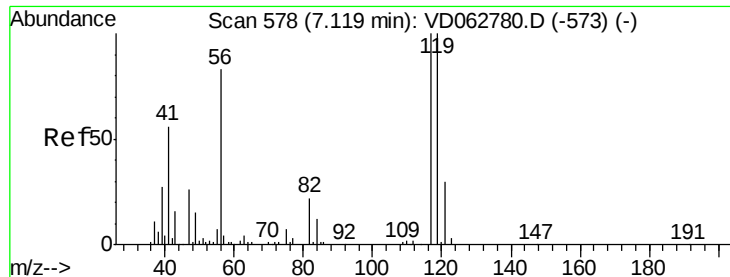
Ion Ratio Lower Upper

43 100

61 0.0 11.6 17.4#

70 0.0 6.4 9.6#





#38

Carbon Tetrachloride

Concen: 5.740 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.09 min

Lab File: VD062981.D

Acq: 1 Jul 2019 10:50

Instrument :

MSVOA_D

ClientSampleId :

VD0701SBL01

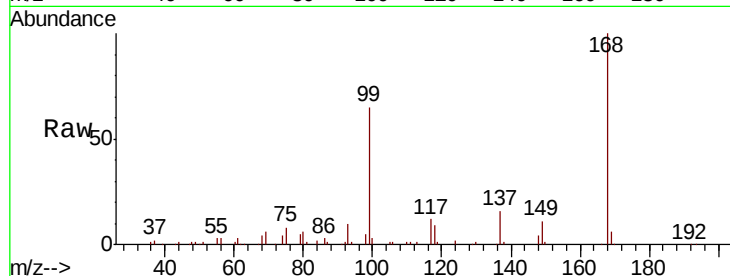
Tot Ion:117 Resp: 93079

Ion Ratio Lower Upper

117 100

119 4.5 75.4 113.2#

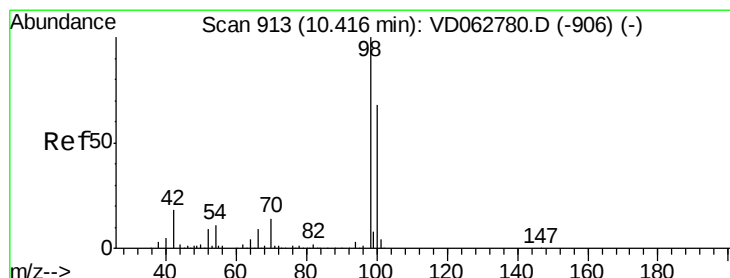
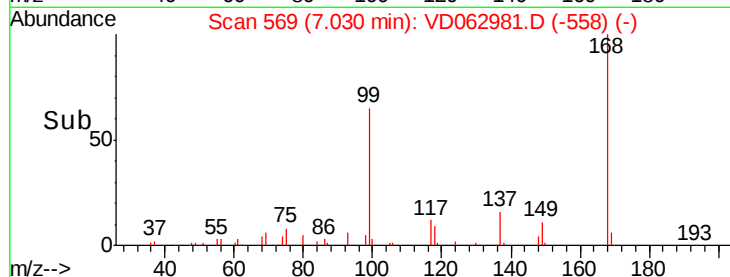
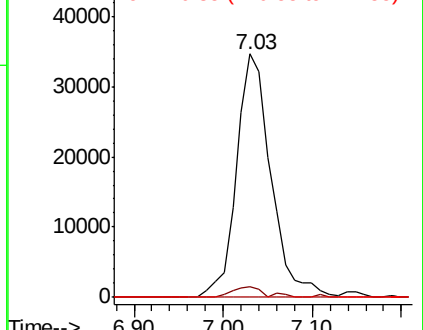
121 0.0 22.3 33.5#



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: 44.217 ug/l

RT: 10.40 min Scan# 911

Delta R.T. -0.02 min

Lab File: VD062981.D

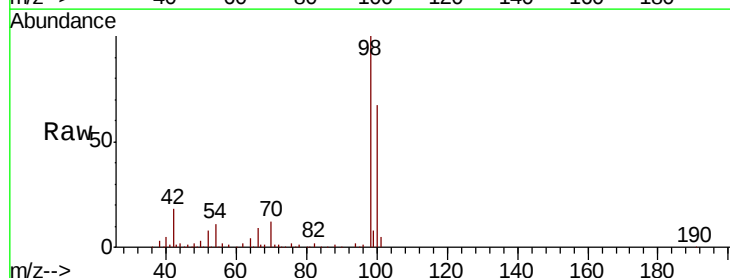
Acq: 1 Jul 2019 10:50

Tgt Ion: 98 Resp: 924281

Ion Ratio Lower Upper

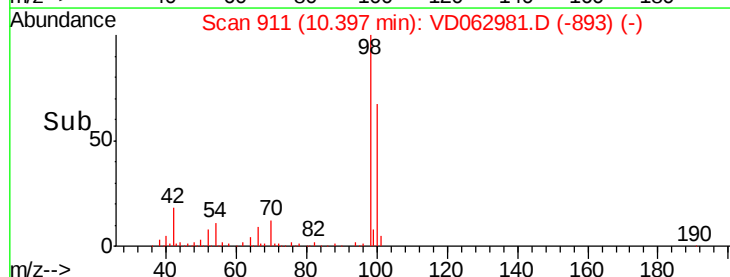
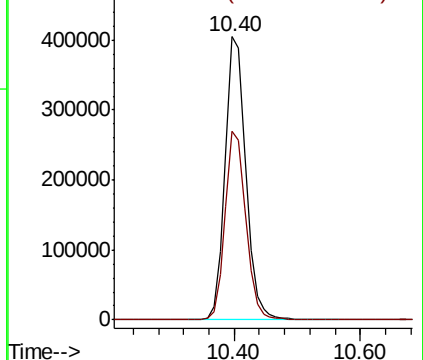
98 100

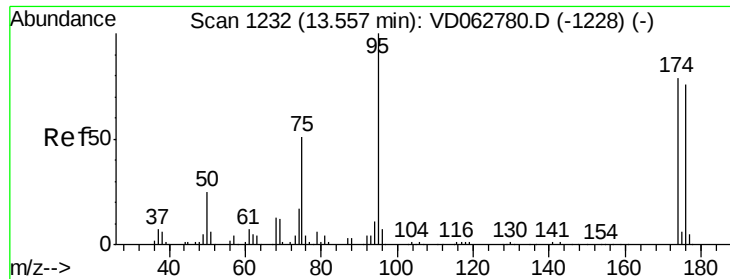
100 66.8 54.7 82.1



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 46.526 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD062981.D

Acq: 1 Jul 2019 10:50

Instrument :

MSVOA_D

ClientSampleId :

VD0701SBL01

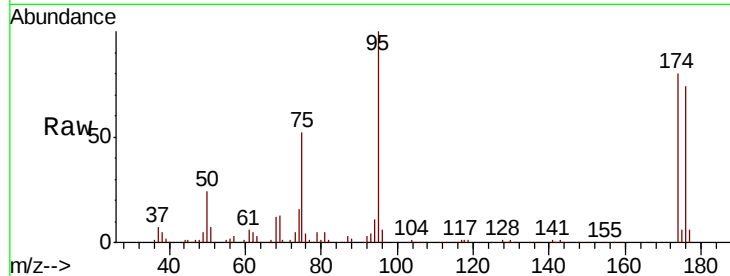
Tot Ion: 95 Resp: 442229

Ion Ratio Lower Upper

95 100

174 79.8 0.0 158.0

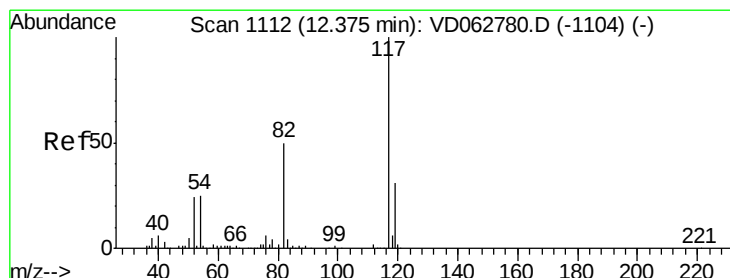
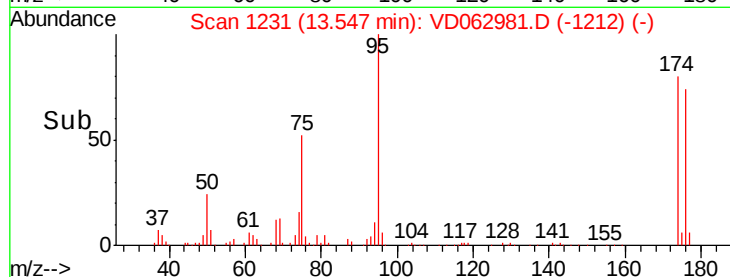
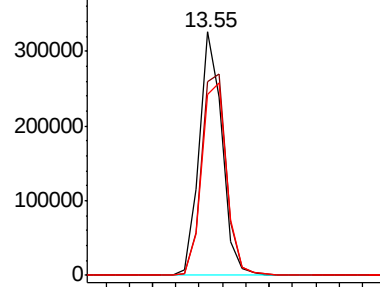
176 74.3 0.0 151.6



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# 1111

Delta R.T. -0.01 min

Lab File: VD062981.D

Acq: 1 Jul 2019 10:50

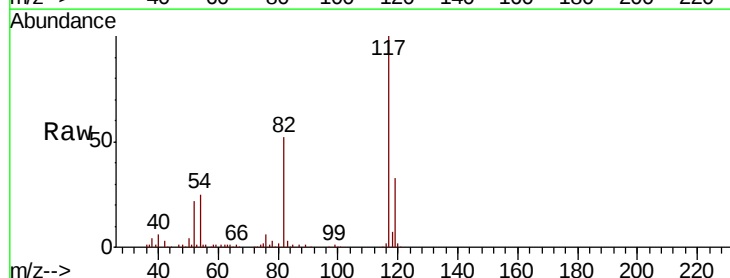
Tgt Ion: 117 Resp: 937995

Ion Ratio Lower Upper

117 100

82 52.3 40.4 60.6

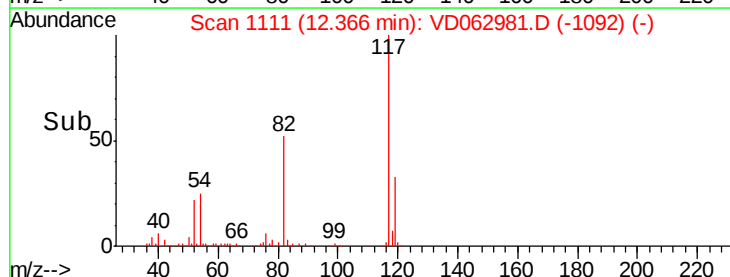
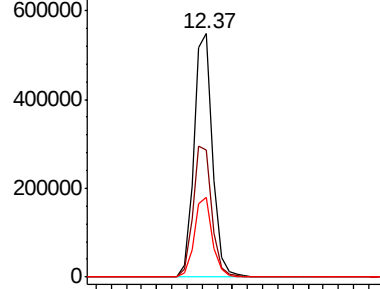
119 32.9 25.2 37.8

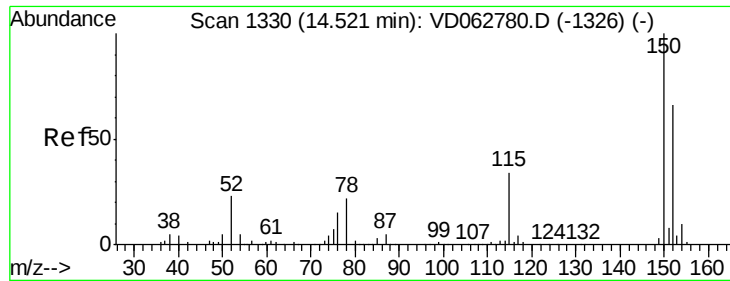


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



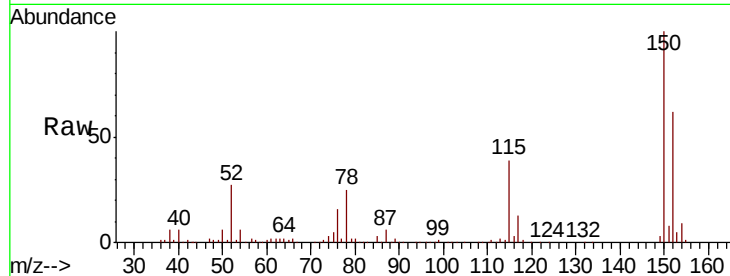


#72

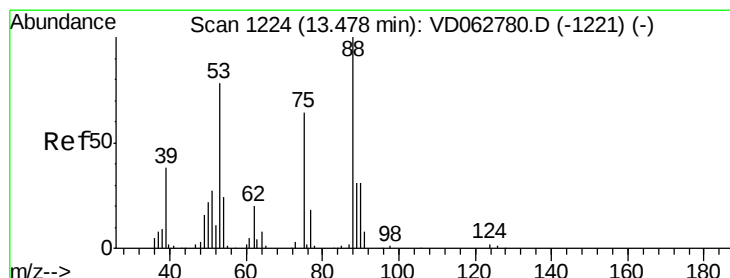
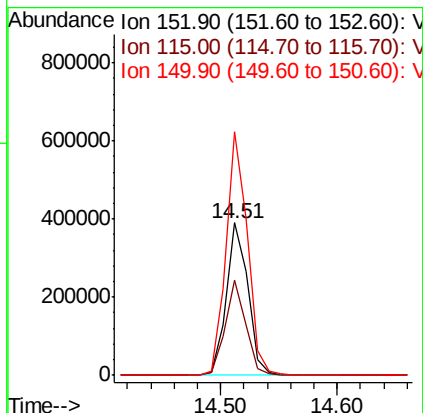
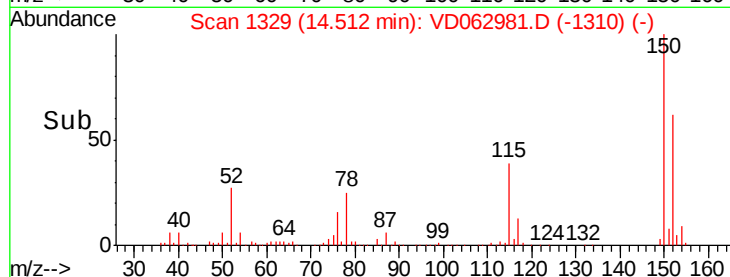
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD062981.D
Acq: 1 Jul 2019 10:50

Instrument :
MSVOA_D
ClientSampleId :
VD0701SBL01

Tot Ion:152 Resp: 495432
Ion Ratio Lower Upper
152 100
115 62.8 29.2 87.6
150 160.1 0.0 305.8



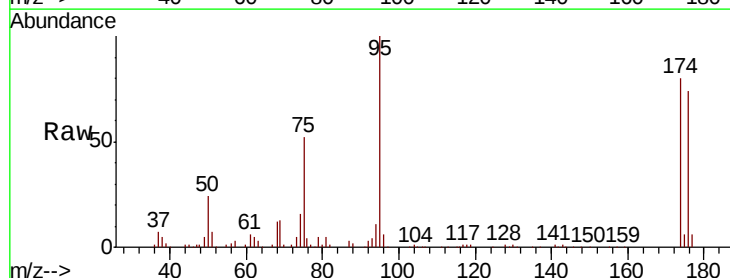
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 147.106 ug/l
RT: 13.55 min Scan# 1231
Delta R.T. 0.07 min
Lab File: VD062981.D
Acq: 1 Jul 2019 10:50

Tgt Ion: 75 Resp: 220508
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

