

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062719\
 Data File : VD062935.D
 Acq On : 27 Jun 2019 16:55
 Operator : VA/AP
 Sample : K3530-04RE
 Misc : 6.52g/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 28 02:21:39 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

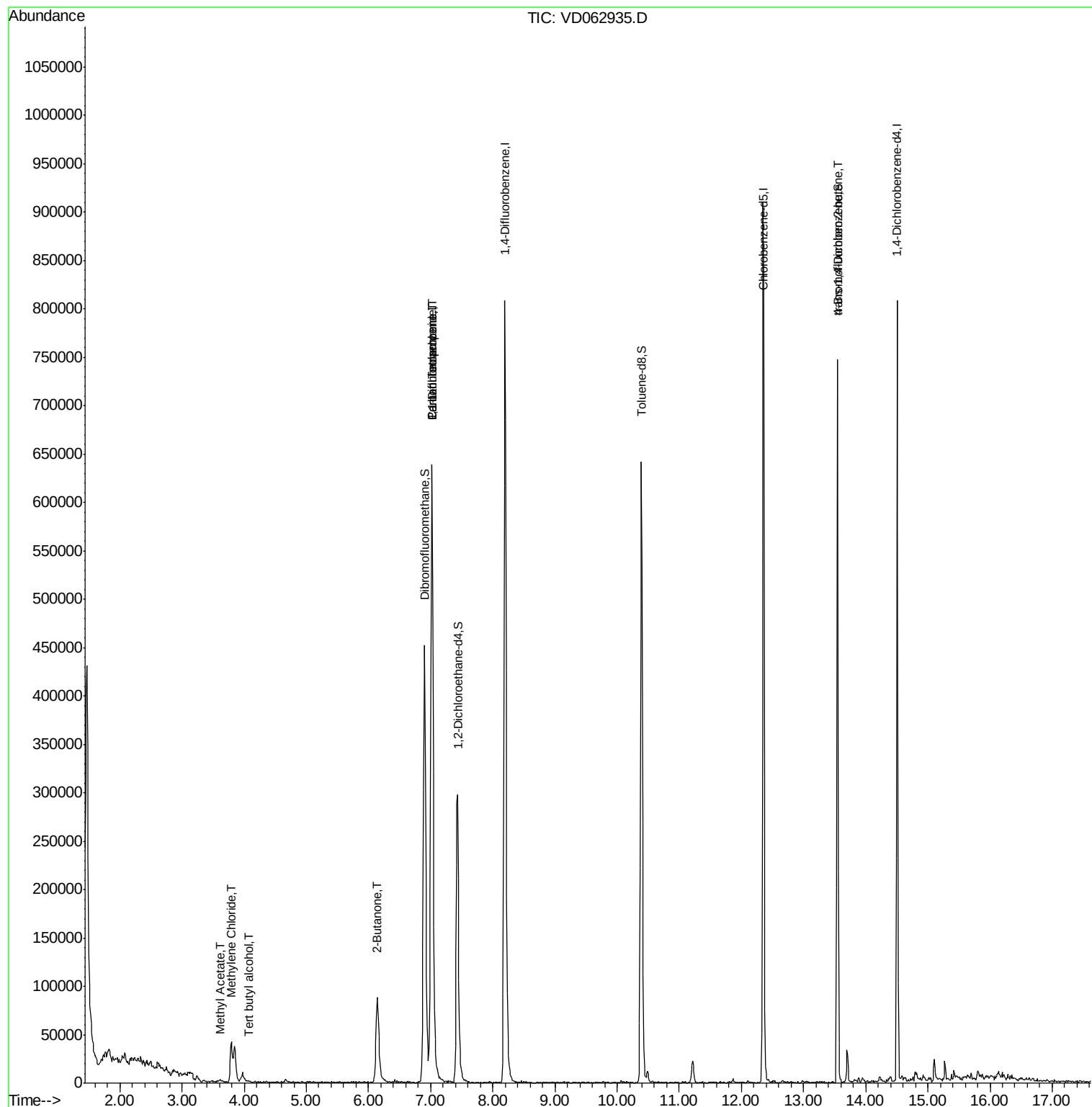
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	614196	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.19	114	828371	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	489715	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.50	152	167746	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	357975	53.62	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	107.24%	
35) Dibromofluoromethane	6.90	113	395564	56.63	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	113.26%	
50) Toluene-d8	10.39	98	505503	33.25	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	66.50%	
62) 4-Bromofluorobenzene	13.54	95	225418	32.61	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	65.22%	
Target Compounds				Qvalue		
11) Tert butyl alcohol	4.08	59	1161	3.818	ug/l #	77
16) Acetone	3.21	43	3134	Below Cal	#	64
18) Methyl Acetate	3.62	43	4491	2.228	ug/l #	58
20) Methylene Chloride	3.79	84	25923	5.091	ug/l #	70
25) 2-Butanone	6.14	43	5943	4.760	ug/l #	64
36) 1,1-Dichloropropene	7.01	75	50880	6.488	ug/l #	51
38) Carbon Tetrachloride	7.02	117	62527	5.302	ug/l #	17
81) trans-1,4-Dichloro-2-buten	13.54	75	102120	201.210	ug/l #	2

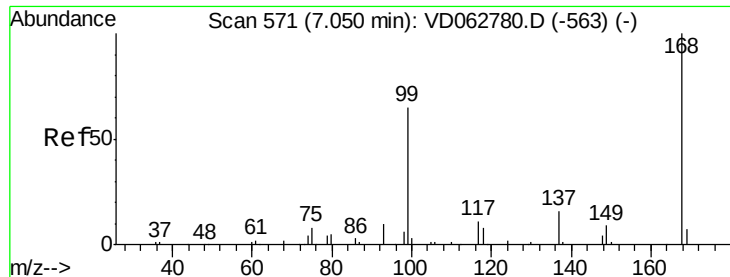
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062719\
Data File : VD062935.D
Acq On : 27 Jun 2019 16:55
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Quant Time: Jun 28 02:21:39 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: 7.02 min Scan# 568

Delta R.T. -0.03 min

Lab File: VD062935.D

Acq: 27 Jun 2019 16:55

Instrument :

MSVOA_D

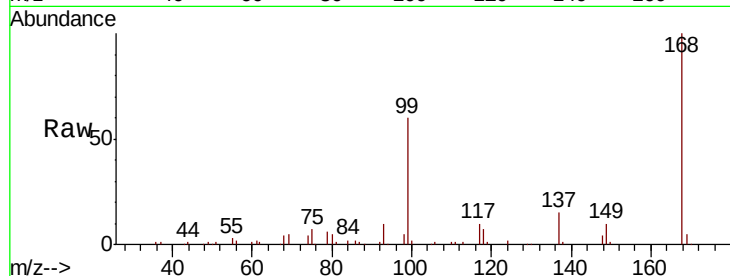
ClientSampleId :

Tot Ion:168 Resp: 614196

Ion Ratio Lower Upper

168 100

99 60.2 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.02

250000

200000

150000

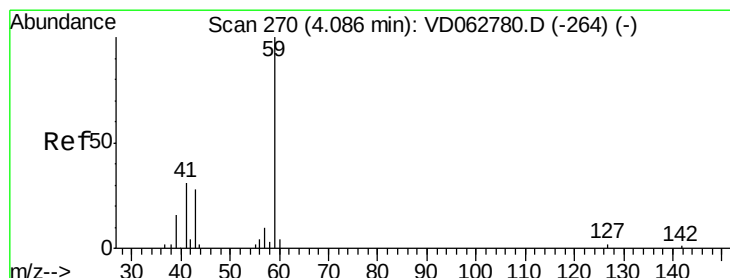
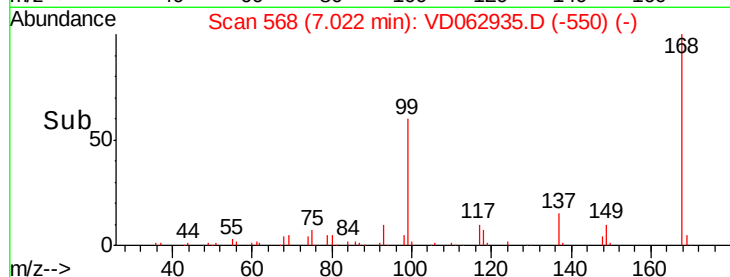
100000

50000

0

6.90 7.00 7.10 7.20 7.30

Time-->



#11

Tert butyl alcohol

Concen: 3.818 ug/l

RT: 4.08 min Scan# 269

Delta R.T. -0.01 min

Lab File: VD062935.D

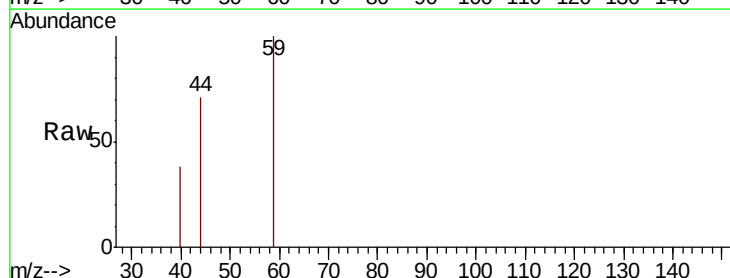
Acq: 27 Jun 2019 16:55

Tgt Ion: 59 Resp: 1161

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

4.08

1000

800

600

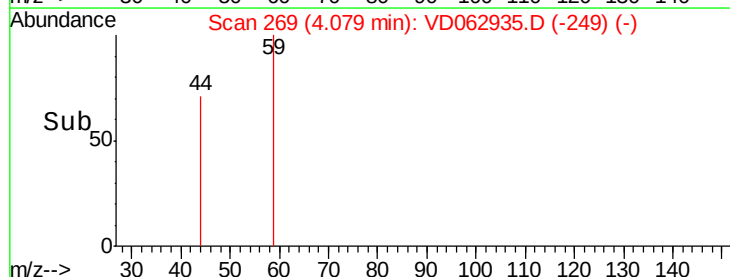
400

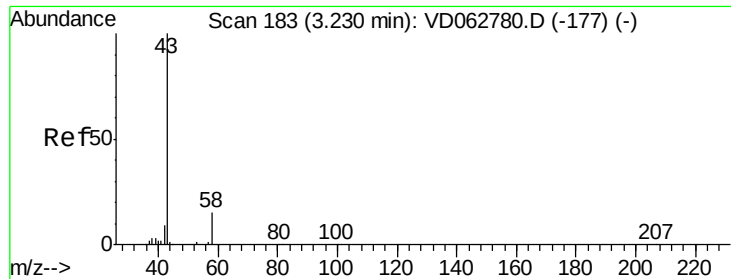
200

0

4.05 4.10

Time-->

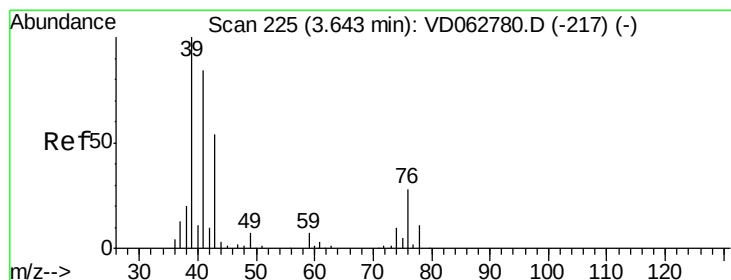
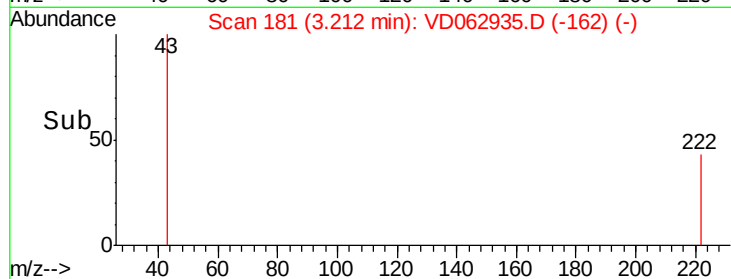
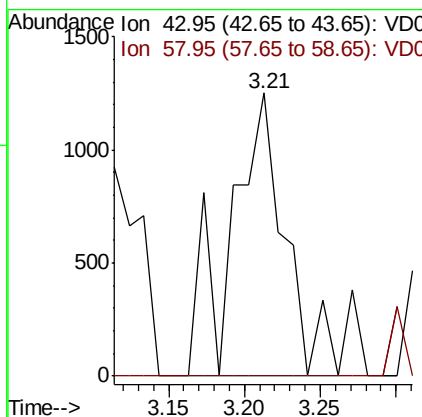
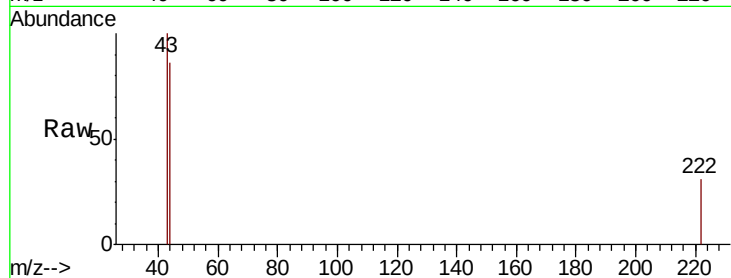




#16
Acetone
Concen: Below Cal
RT: 3.21 min Scan# 181
Delta R.T. -0.02 min
Lab File: VD062935.D
Acq: 27 Jun 2019 16:55

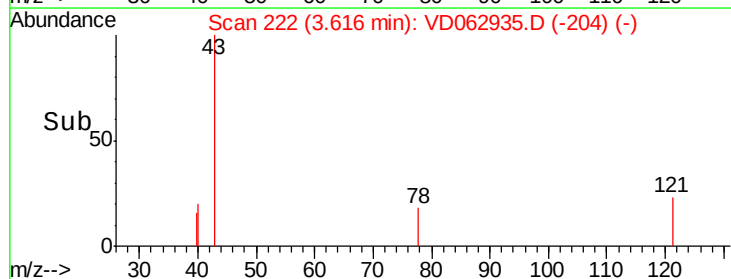
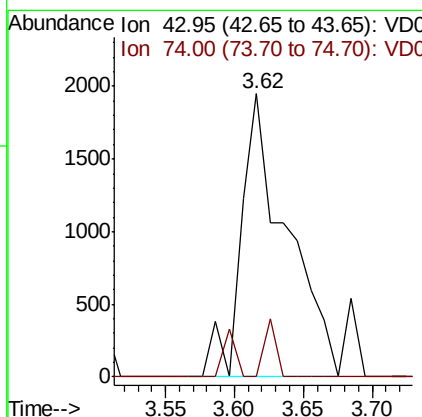
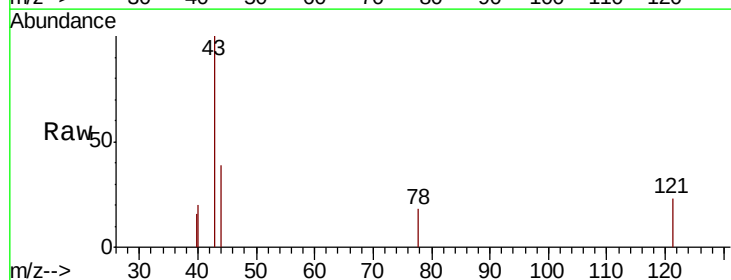
Instrument :
MSVOA_D
ClientSampled :

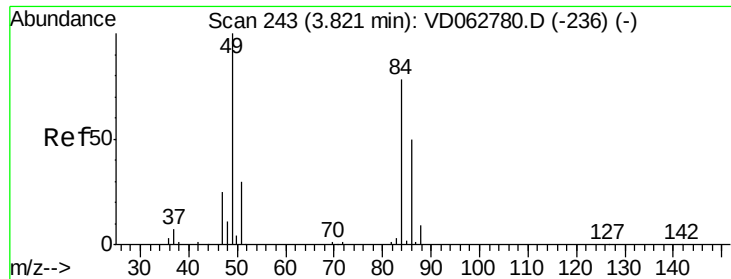
Tot Ion: 43 Resp: 3134
Ion Ratio Lower Upper
43 100
58 0.0 11.9 17.9#



#18
Methyl Acetate
Concen: 2.228 ug/l
RT: 3.62 min Scan# 222
Delta R.T. -0.03 min
Lab File: VD062935.D
Acq: 27 Jun 2019 16:55

Tgt Ion: 43 Resp: 4491
Ion Ratio Lower Upper
43 100
74 0.0 15.2 22.8#

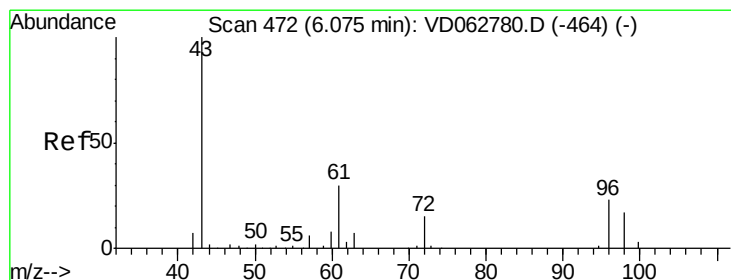
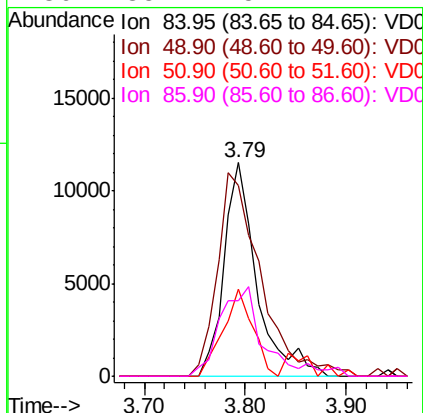
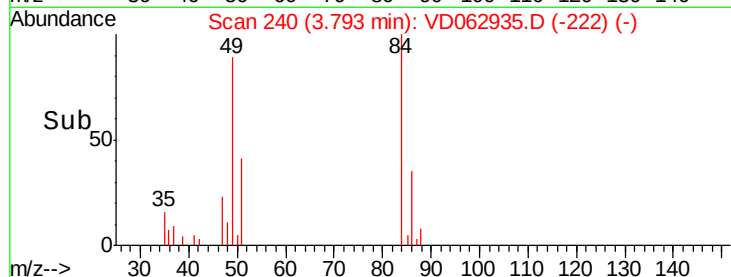
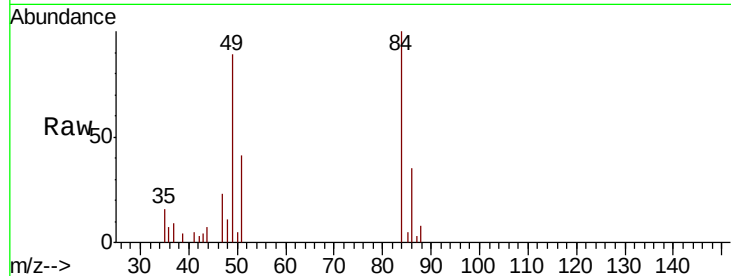




#20
Methylene Chloride
Concen: 5.091 ug/l
RT: 3.79 min Scan# 240
Delta R.T. -0.03 min
Lab File: VD062935.D
Acq: 27 Jun 2019 16:55

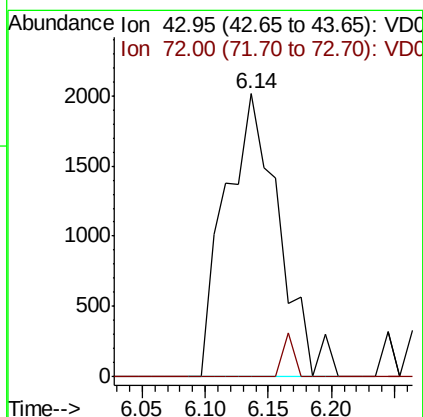
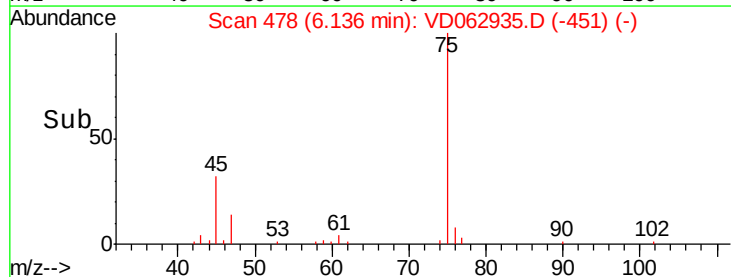
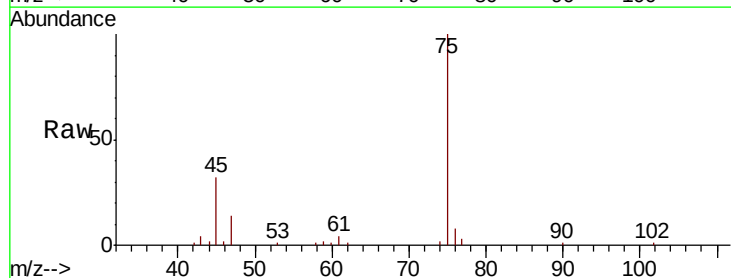
Instrument :
MSVOA_D
ClientSampleId :

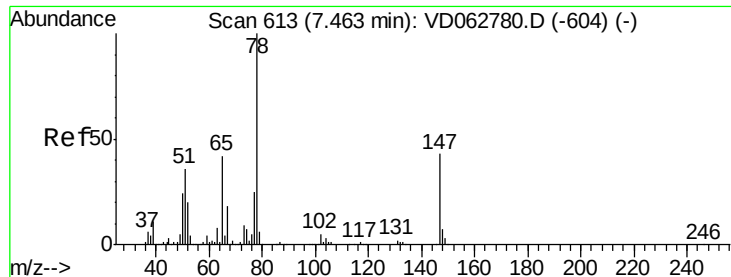
Tot Ion: 84 Resp: 25923
Ion Ratio Lower Upper
84 100
49 89.2 102.9 154.3#
51 40.6 31.2 46.8
86 35.2 51.4 77.2#



#25
2-Butanone
Concen: 4.760 ug/l
RT: 6.14 min Scan# 478
Delta R.T. 0.06 min
Lab File: VD062935.D
Acq: 27 Jun 2019 16:55

Tgt Ion: 43 Resp: 5943
Ion Ratio Lower Upper
43 100
72 0.0 11.9 17.9#





#33

1,2-Dichloroethane-d4

Concen: 53.619 ug/l

RT: 7.44 min Scan# 610

Delta R.T. -0.03 min

Lab File: VD062935.D

Acq: 27 Jun 2019 16:55

Instrument :

MSVOA_D

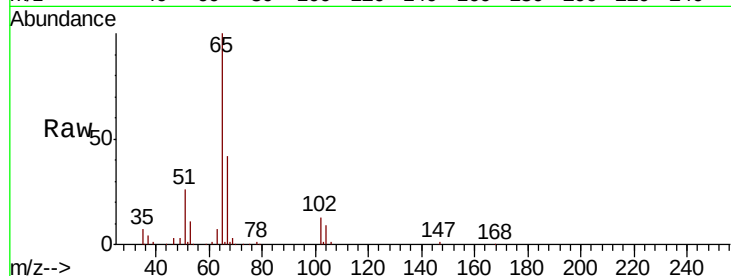
ClientSampled :

Tot Ion: 65 Resp: 357975

Ion Ratio Lower Upper

65 100

67 42.1 0.0 87.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

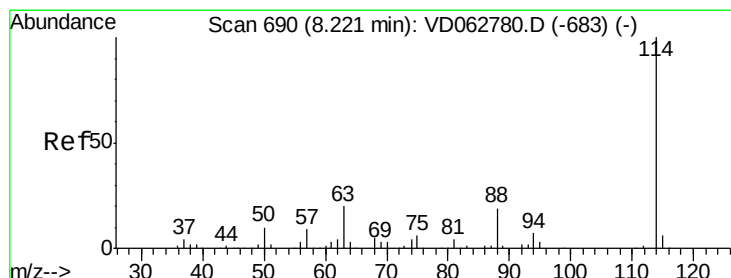
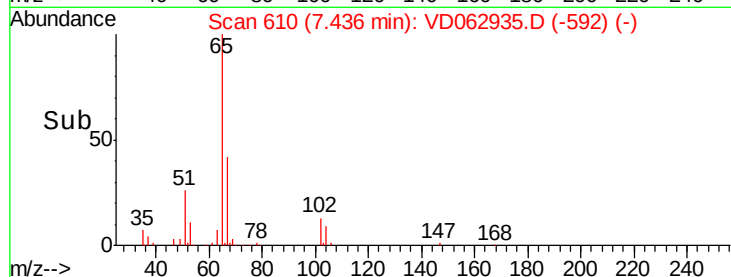
7.44

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.19 min Scan# 687

Delta R.T. -0.03 min

Lab File: VD062935.D

Acq: 27 Jun 2019 16:55

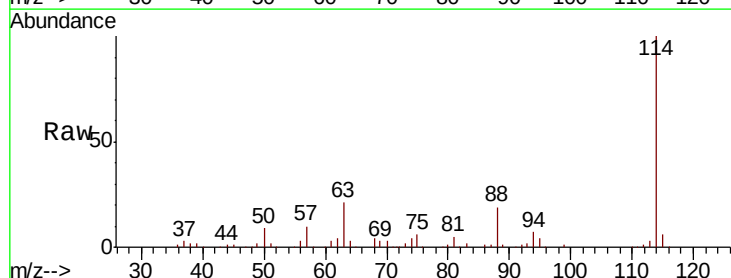
Tgt Ion: 114 Resp: 828371

Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.0

88 18.9 0.0 38.8



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

8.19

400000

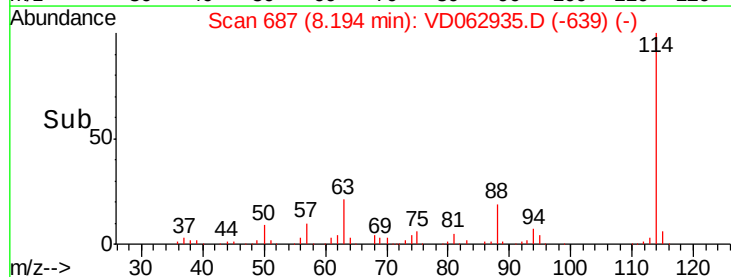
300000

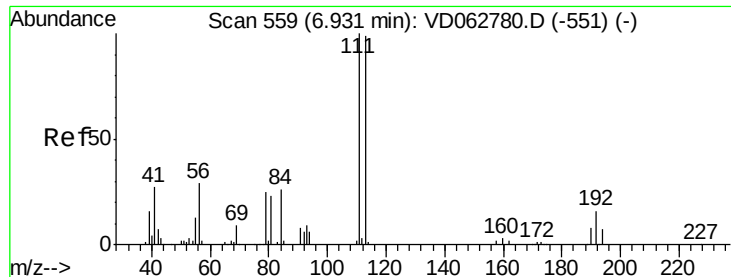
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 56.632 ug/l

RT: 6.90 min Scan# 556

Delta R.T. -0.03 min

Lab File: VD062935.D

Acq: 27 Jun 2019 16:55

Instrument :

MSVOA_D

ClientSampleId :

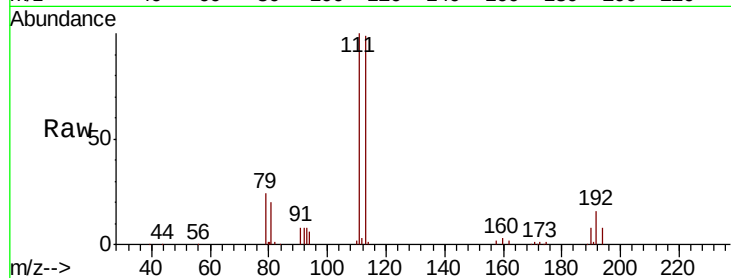
Tot Ion:113 Resp: 395564

Ion Ratio Lower Upper

113 100

111 101.3 81.2 121.8

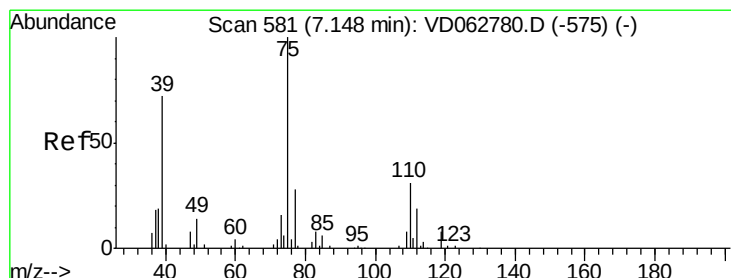
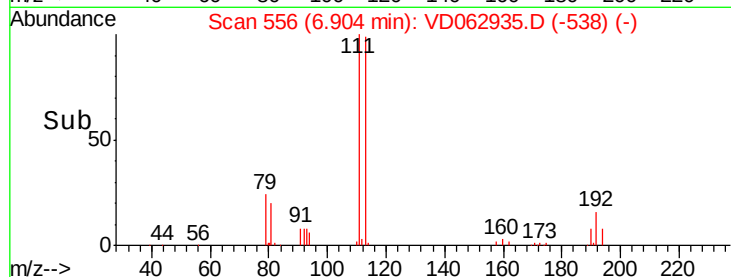
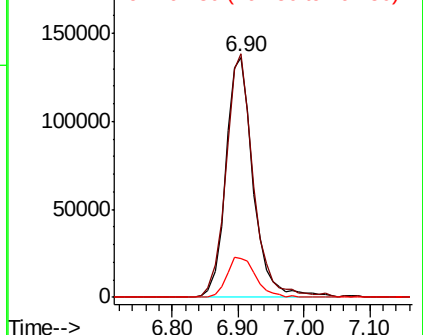
192 16.1 12.9 19.3



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



#36

1,1-Dichloropropene

Concen: 6.488 ug/l

RT: 7.01 min Scan# 567

Delta R.T. -0.14 min

Lab File: VD062935.D

Acq: 27 Jun 2019 16:55

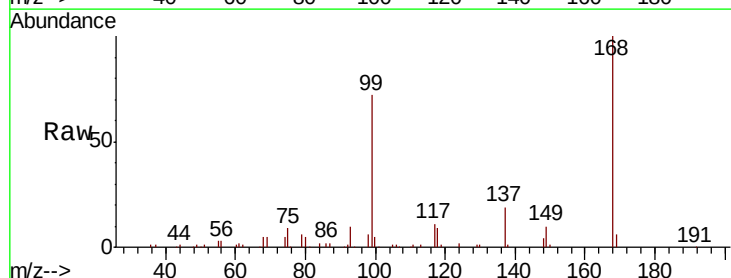
Tgt Ion: 75 Resp: 50880

Ion Ratio Lower Upper

75 100

110 5.0 15.0 45.1#

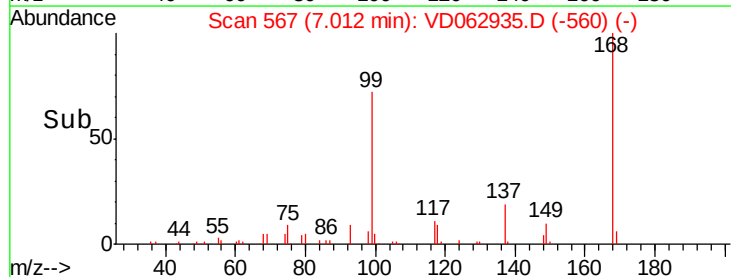
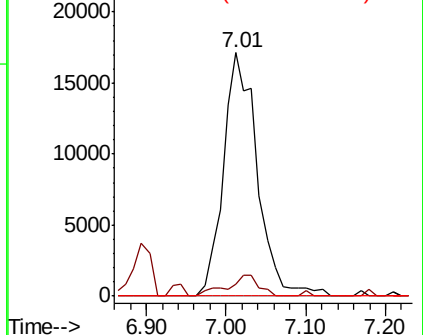
77 0.0 22.2 33.2#

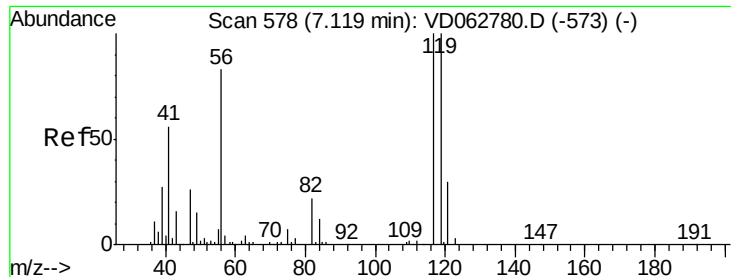


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#38

Carbon Tetrachloride

Concen: 5.302 ug/l

RT: 7.02 min Scan# 568

Delta R.T. -0.10 min

Lab File: VD062935.D

Acq: 27 Jun 2019 16:55

Instrument :
MSVOA_D
ClientSampleId :

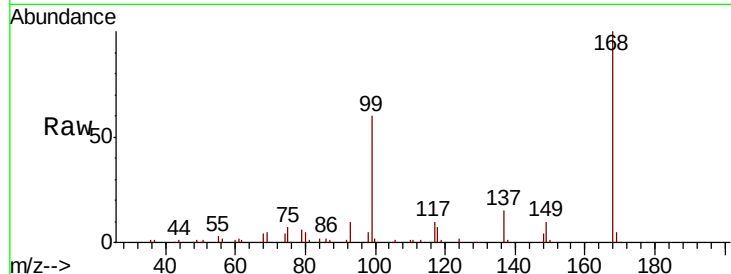
Tot Ion:117 Resp: 62527

Ion Ratio Lower Upper

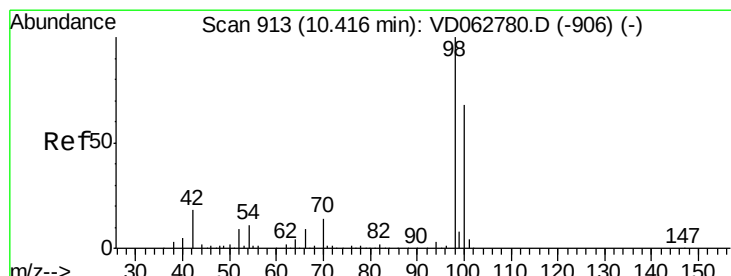
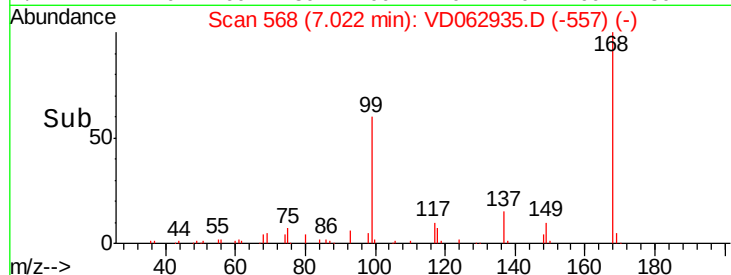
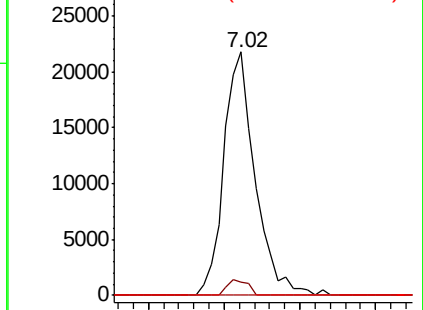
117 100

119 5.5 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: 33.252 ug/l

RT: 10.39 min Scan# 910

Delta R.T. -0.03 min

Lab File: VD062935.D

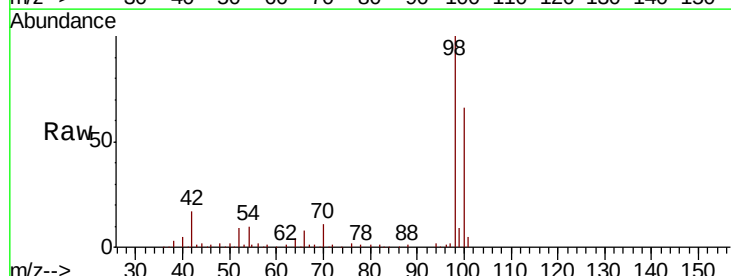
Acq: 27 Jun 2019 16:55

Tgt Ion: 98 Resp: 505503

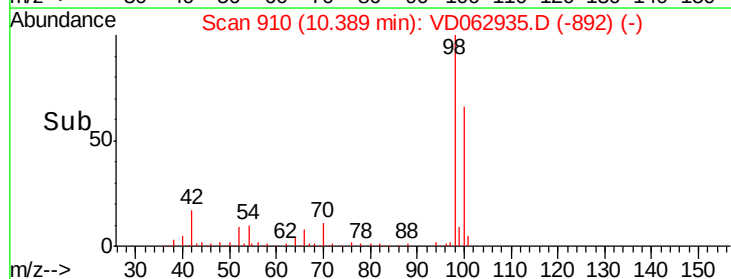
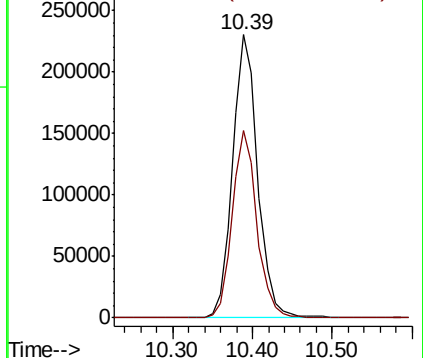
Ion Ratio Lower Upper

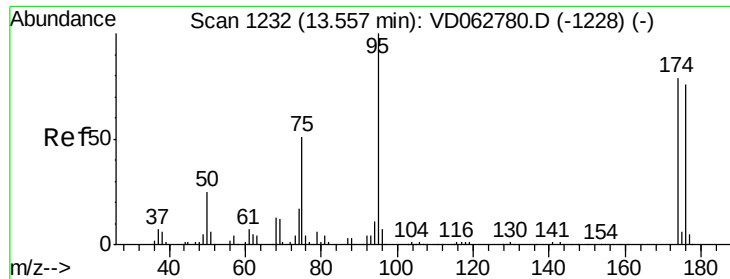
98 100

100 66.1 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: 32.610 ug/l

RT: 13.54 min Scan# 1230

Delta R.T. -0.02 min

Lab File: VD062935.D

Acq: 27 Jun 2019 16:55

Instrument :

MSVOA_D

ClientSampled :

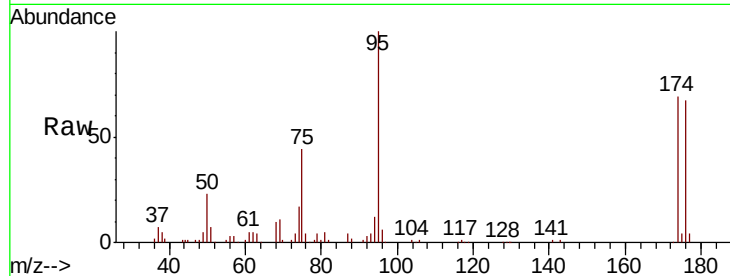
Tot Ion: 95 Resp: 225418

Ion Ratio Lower Upper

95 100

174 68.6 0.0 158.0

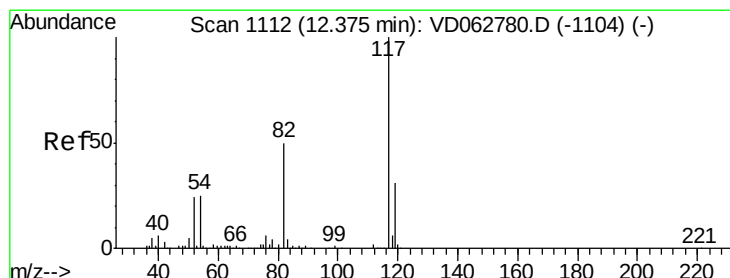
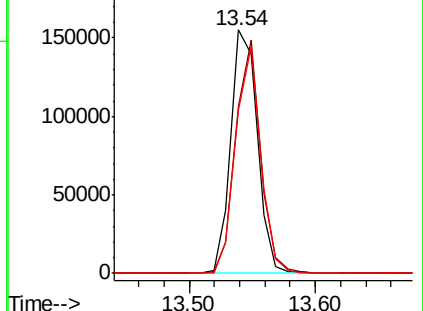
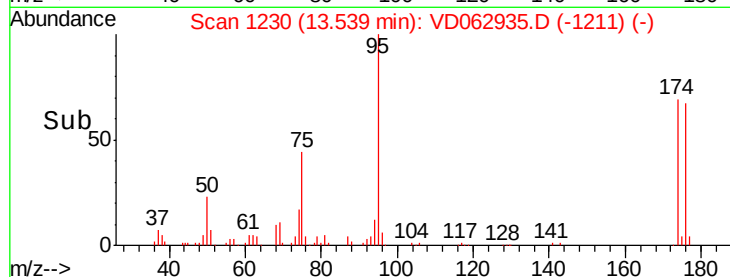
176 66.8 0.0 151.6



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: 12.36 min Scan# 1110

Delta R.T. -0.02 min

Lab File: VD062935.D

Acq: 27 Jun 2019 16:55

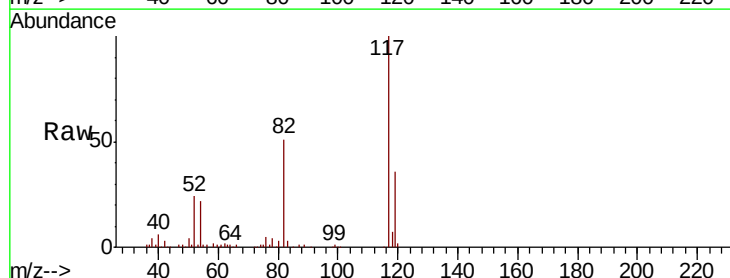
Tgt Ion: 117 Resp: 489715

Ion Ratio Lower Upper

117 100

82 50.9 40.4 60.6

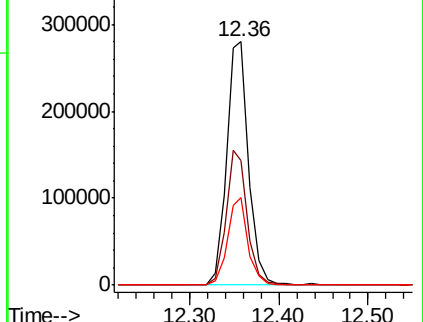
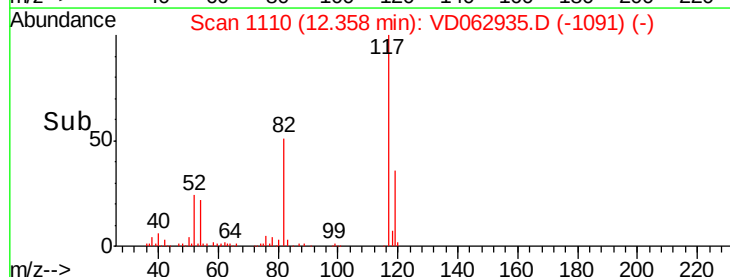
119 35.9 25.2 37.8

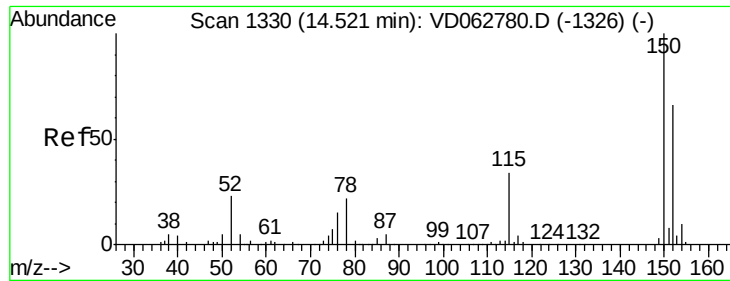


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



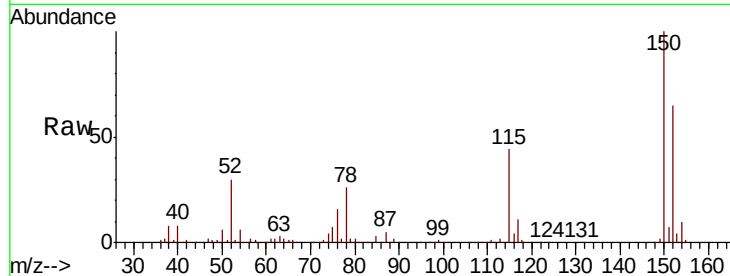


#72

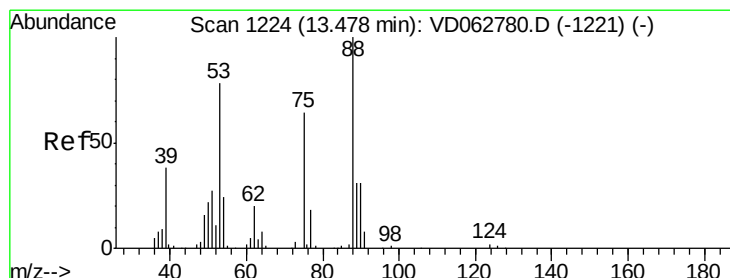
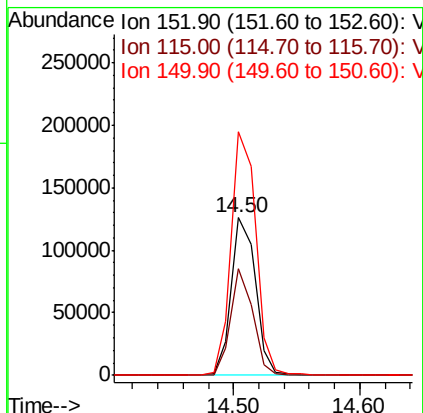
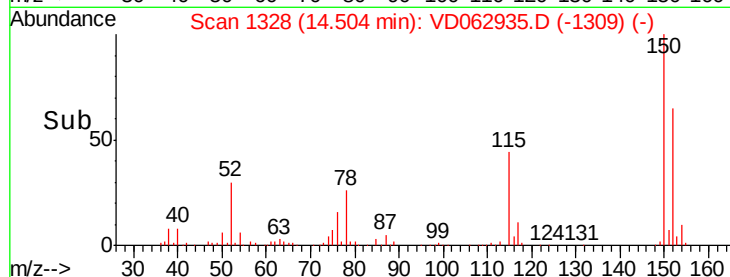
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.50 min Scan# 1328
Delta R.T. -0.02 min
Lab File: VD062935.D
Acq: 27 Jun 2019 16:55

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:152 Resp: 167746
Ion Ratio Lower Upper
152 100
115 67.4 29.2 87.6
150 154.8 0.0 305.8



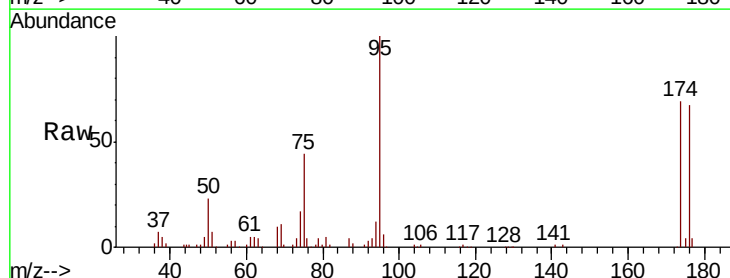
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 201.210 ug/l
RT: 13.54 min Scan# 1230
Delta R.T. 0.06 min
Lab File: VD062935.D
Acq: 27 Jun 2019 16:55

Tgt Ion: 75 Resp: 102120
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

