

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081919\
 Data File : VD063658.D
 Acq On : 19 Aug 2019 15:29
 Operator : JC/SY
 Sample : K4389-07
 Misc : 4.84g/5ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 T4-F(2)

Quant Time: Aug 20 08:15:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	656907	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.21	114	897507	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	675059	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	335206	50.00	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	489545	69.72	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	139.44%	
35) Dibromofluoromethane	6.92	113	615170	81.38	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	162.76%	
50) Toluene-d8	10.41	98	1378434	82.95	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	165.90%	
62) 4-Bromofluorobenzene	13.55	95	531234	70.53	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	141.06%	

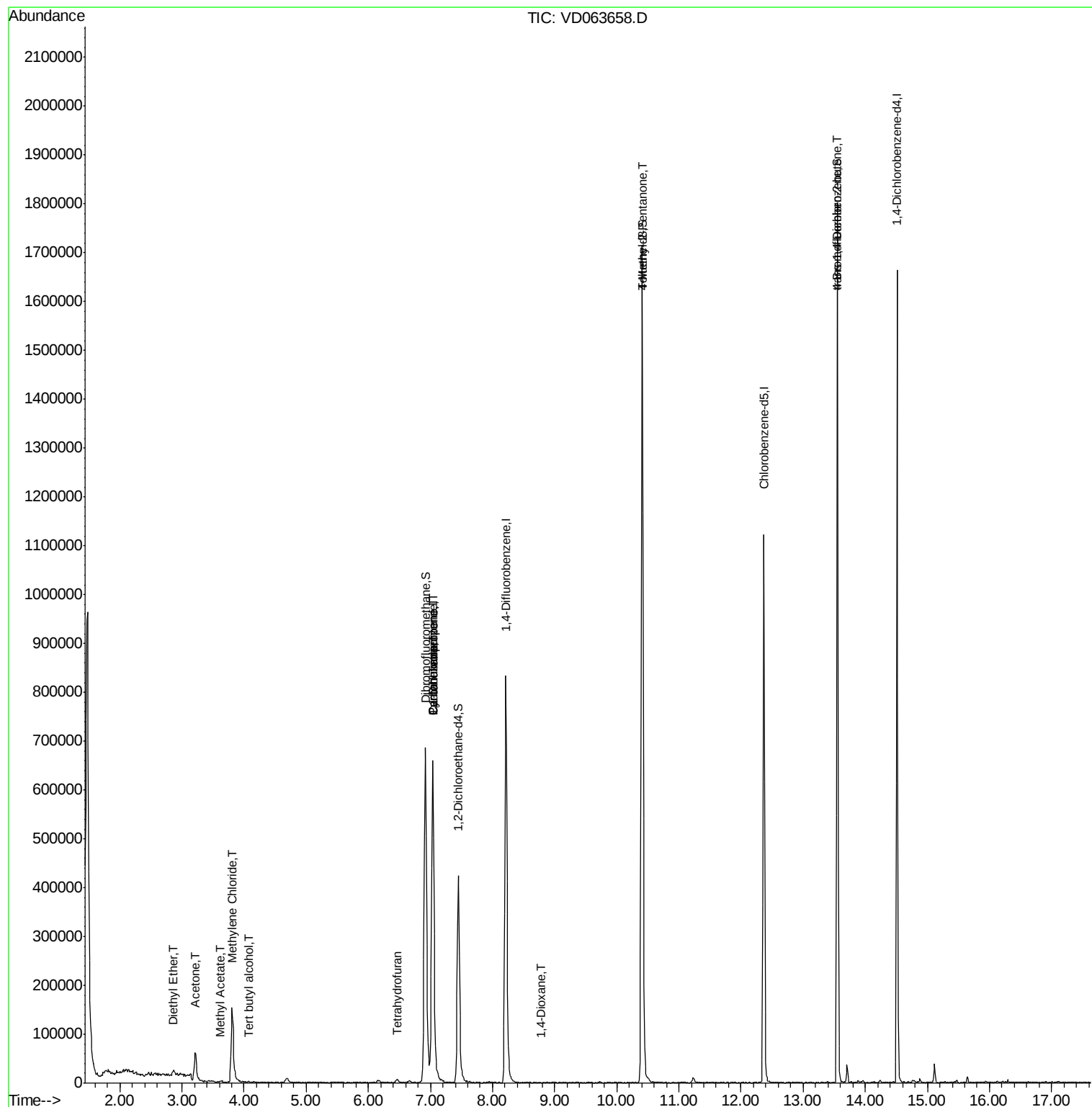
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.87	74	6789	3.977	ug/l	90
11) Tert butyl alcohol	4.07	59	1921	6.284	ug/l #	71
16) Acetone	3.21	43	118054	82.706	ug/l	98
18) Methyl Acetate	3.63	43	2936	1.086	ug/l #	57
20) Methylene Chloride	3.80	84	94844	15.366	ug/l	94
29) Tetrahydrofuran	6.47	42	5382	8.193	ug/l #	73
31) Cyclohexane	7.03	56	14755	2.327	ug/l #	10
36) 1,1-Dichloropropene	7.04	75	49426	6.230	ug/l #	49
38) Carbon Tetrachloride	7.03	117	66548	5.565	ug/l #	17
49) 1,4-Dioxane	8.78	88	229	33.022	ug/l #	34
51) 4-Methyl-2-Pentanone	10.40	43	9129	2.996	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	257643	249.174	ug/l #	1

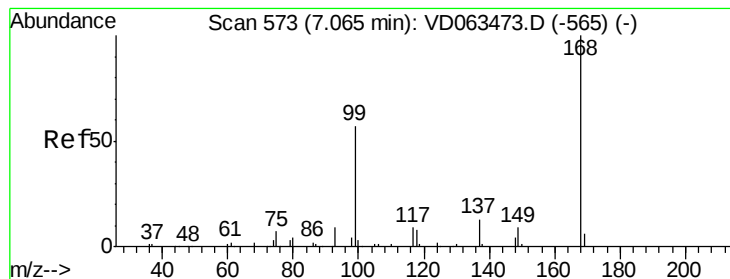
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.02 min

Lab File: VD063658.D

Acq: 19 Aug 2019 15:29

Instrument :

MSVOA_D

ClientSampleId :

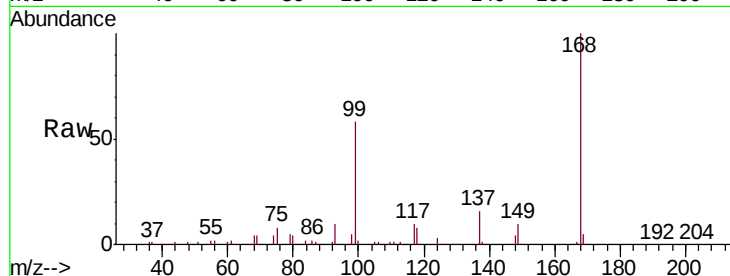
T4-F(2)

Tgt Ion:168 Resp: 656907

Ion Ratio Lower Upper

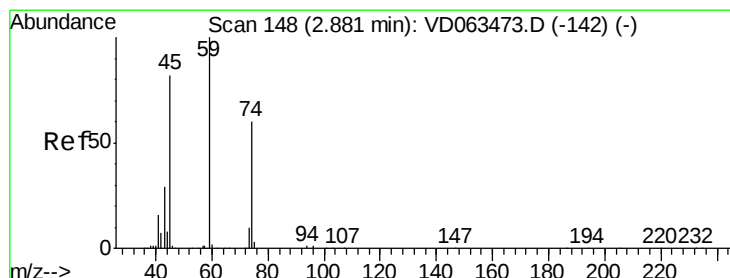
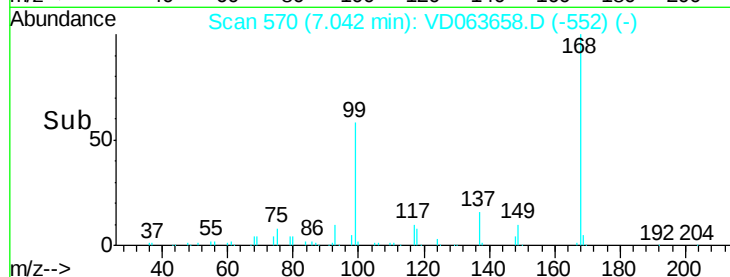
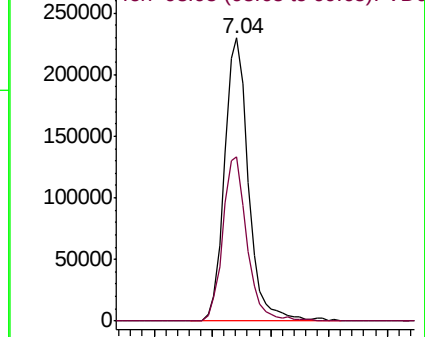
168 100

99 58.1 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#8

Diethyl Ether

Concen: 3.977 ug/l

RT: 2.87 min Scan# 146

Delta R.T. -0.01 min

Lab File: VD063658.D

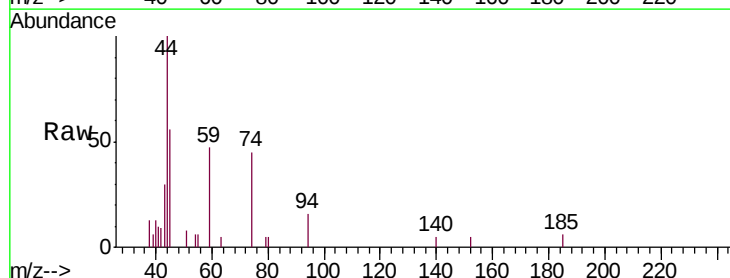
Acq: 19 Aug 2019 15:29

Tgt Ion: 74 Resp: 6789

Ion Ratio Lower Upper

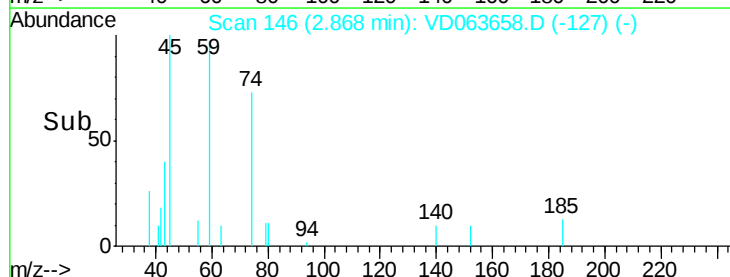
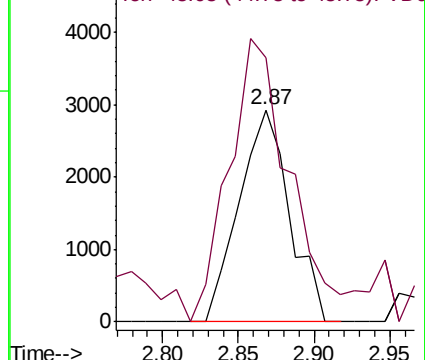
74 100

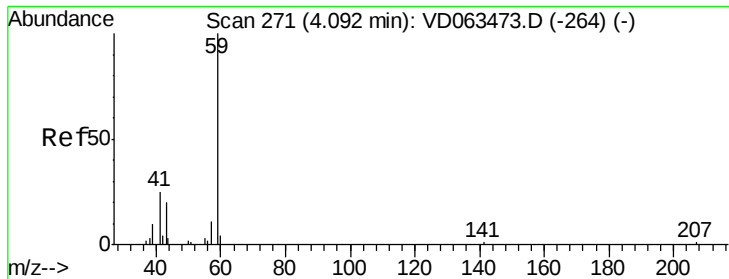
45 124.6 68.5 205.5



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



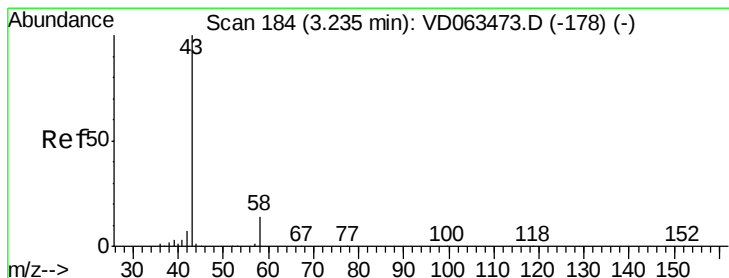
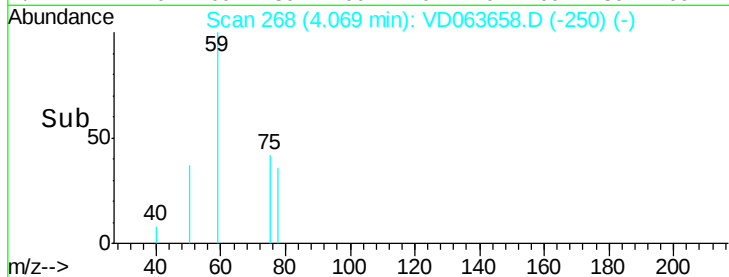
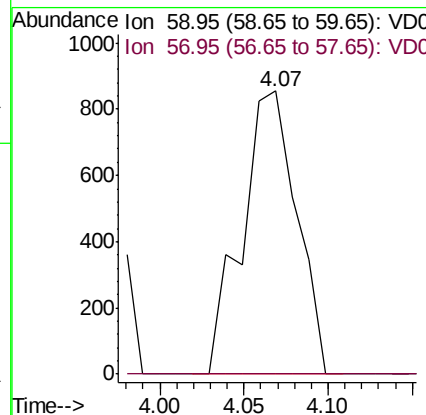
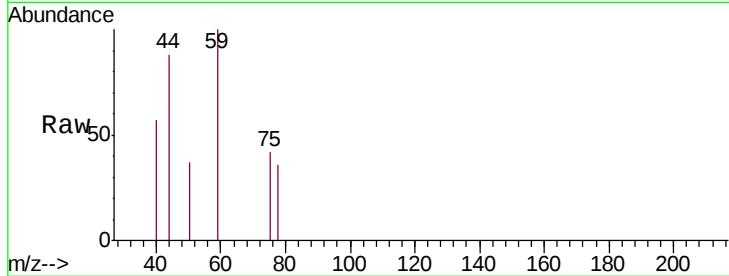


#11

Tert butyl alcohol
Concen: 6.284 ug/l
RT: 4.07 min Scan# 268
Delta R.T. -0.02 min
Lab File: VD063658.D
Acq: 19 Aug 2019 15:29

Instrument :
MSVOA_D
ClientSampleId :
T4-F(2)

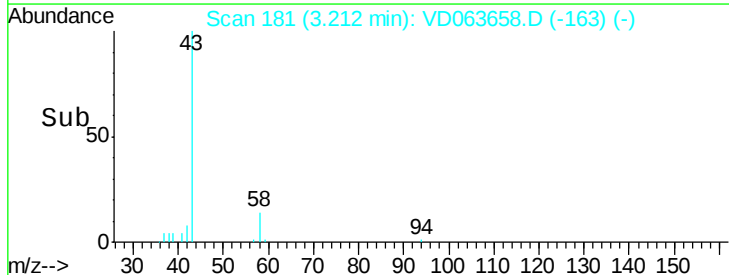
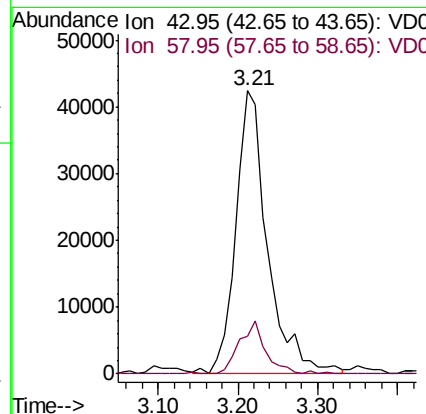
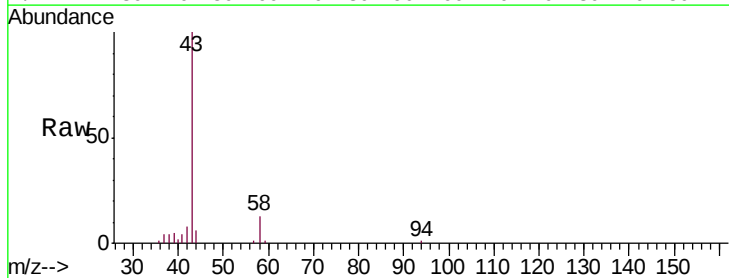
Tgt Ion: 59 Resp: 1921
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

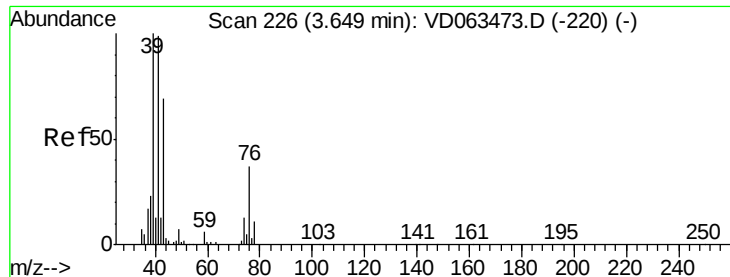


#16

Acetone
Concen: 82.706 ug/l
RT: 3.21 min Scan# 181
Delta R.T. -0.02 min
Lab File: VD063658.D
Acq: 19 Aug 2019 15:29

Tgt Ion: 43 Resp: 118054
Ion Ratio Lower Upper
43 100
58 13.5 11.4 17.2

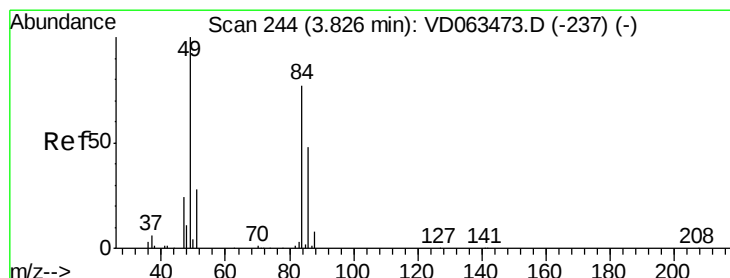
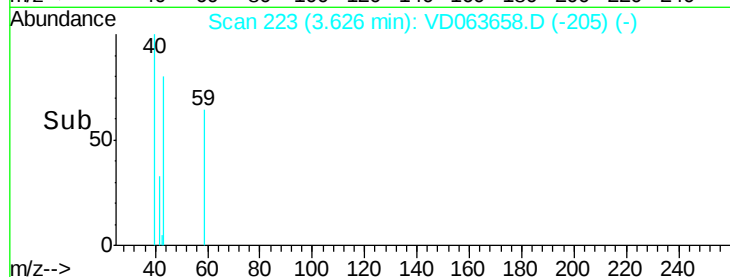
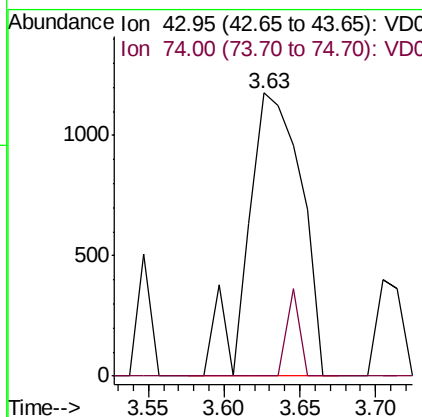
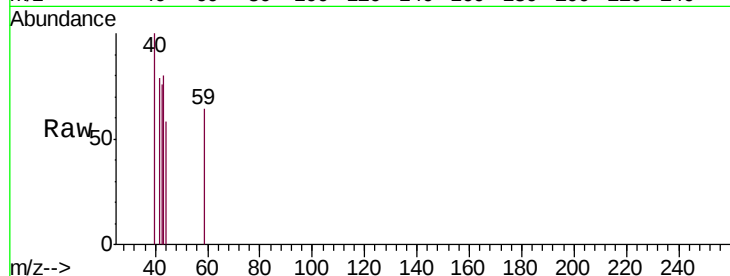




#18
Methyl Acetate
Concen: 1.086 ug/l
RT: 3.63 min Scan# 223
Delta R.T. -0.02 min
Lab File: VD063658.D
Acq: 19 Aug 2019 15:29

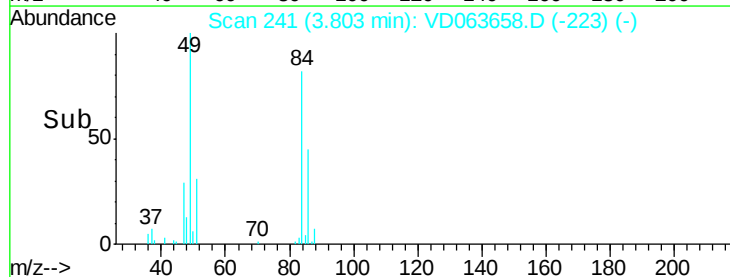
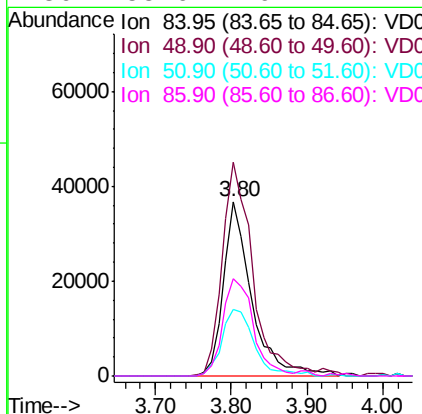
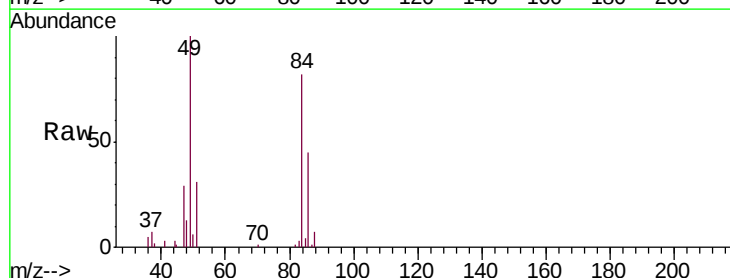
Instrument :
MSVOA_D
ClientSampleId :
T4-F(2)

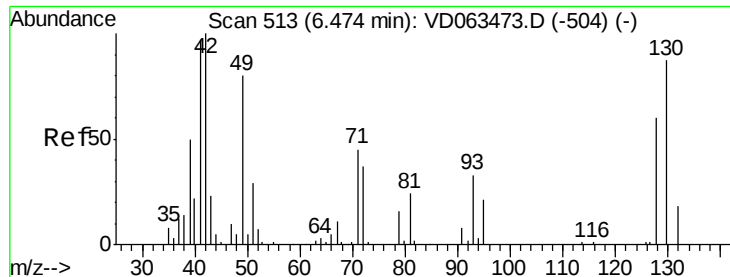
Tgt Ion: 43 Resp: 2936
Ion Ratio Lower Upper
43 100
74 0.0 15.4 23.2#



#20
Methylene Chloride
Concen: 15.366 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.02 min
Lab File: VD063658.D
Acq: 19 Aug 2019 15:29

Tgt Ion: 84 Resp: 94844
Ion Ratio Lower Upper
84 100
49 122.4 103.4 155.2
51 38.0 28.5 42.7
86 55.6 49.4 74.2





#29

Tetrahydrofuran

Concen: 8.193 ug/l

RT: 6.47 min Scan# 512

Delta R.T. -0.00 min

Lab File: VD063658.D

Acq: 19 Aug 2019 15:29

Instrument :

MSVOA_D

ClientSampleId :

T4-F(2)

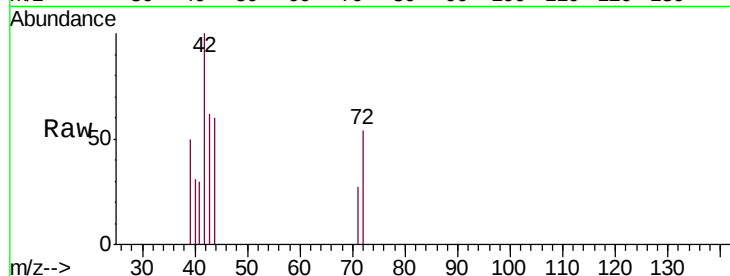
Tgt Ion: 42 Resp: 5382

Ion Ratio Lower Upper

42 100

72 25.4 31.5 47.3#

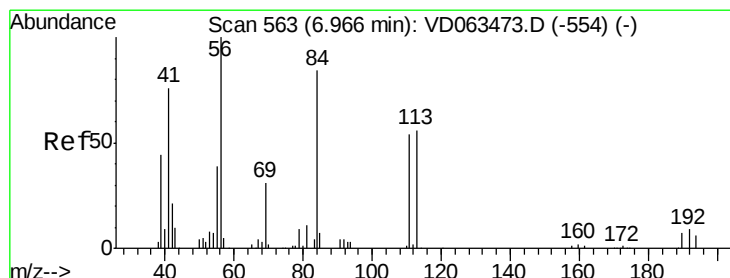
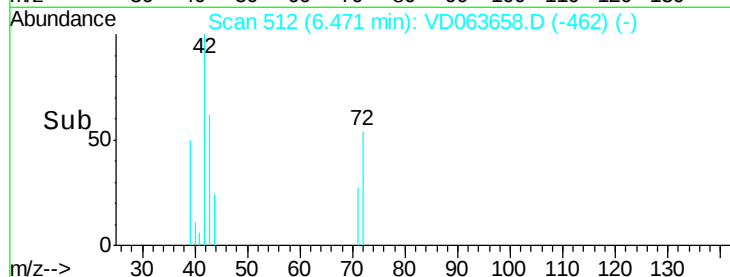
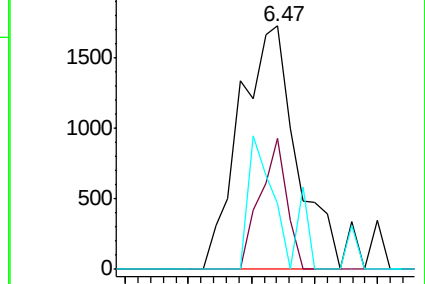
71 22.8 33.8 50.8#



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#31

Cyclohexane

Concen: 2.327 ug/l

RT: 7.03 min Scan# 569

Delta R.T. 0.07 min

Lab File: VD063658.D

Acq: 19 Aug 2019 15:29

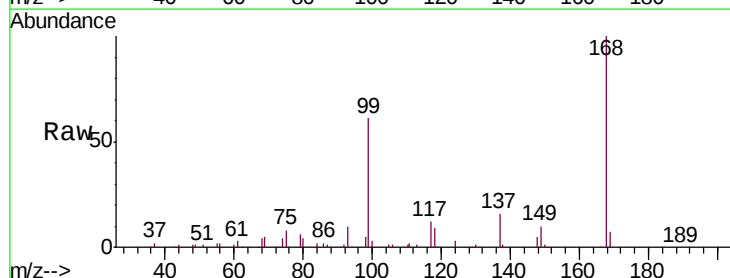
Tgt Ion: 56 Resp: 14755

Ion Ratio Lower Upper

56 100

69 198.4 25.0 37.6#

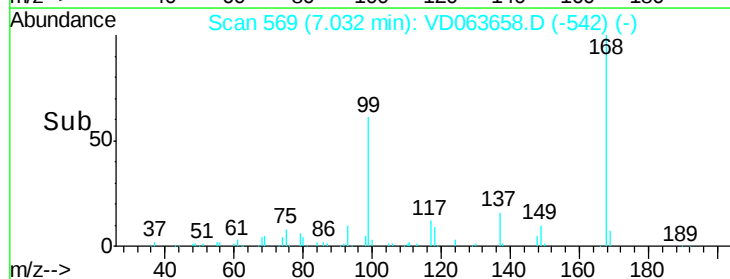
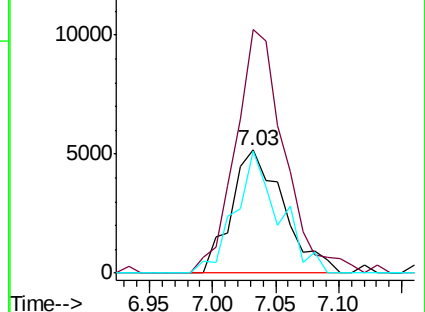
84 99.7 69.7 104.5

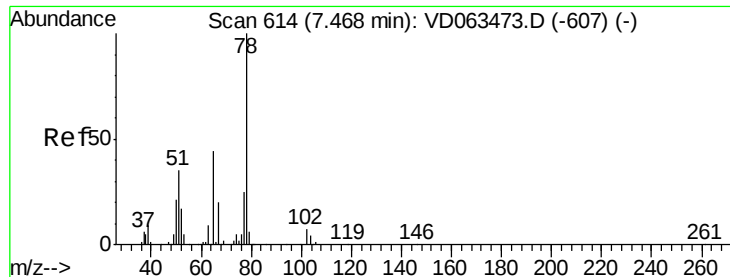


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC





#33

1,2-Dichloroethane-d4

Concen: 69.718 ug/l

RT: 7.45 min Scan# 611

Delta R.T. -0.02 min

Lab File: VD063658.D

Acq: 19 Aug 2019 15:29

Instrument :

MSVOA_D

ClientSampleId :

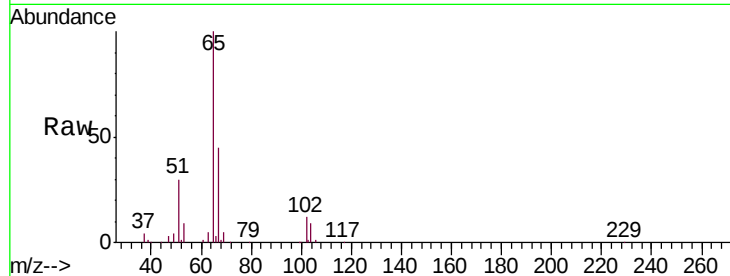
T4-F(2)

Tgt Ion: 65 Resp: 489545

Ion Ratio Lower Upper

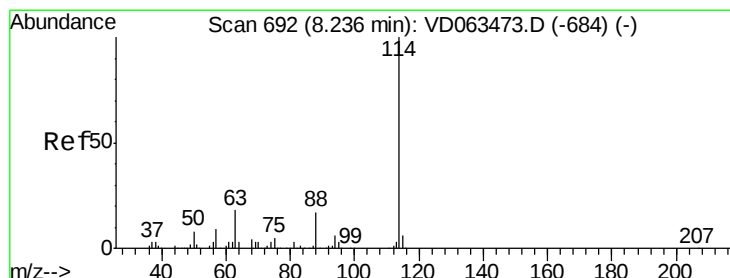
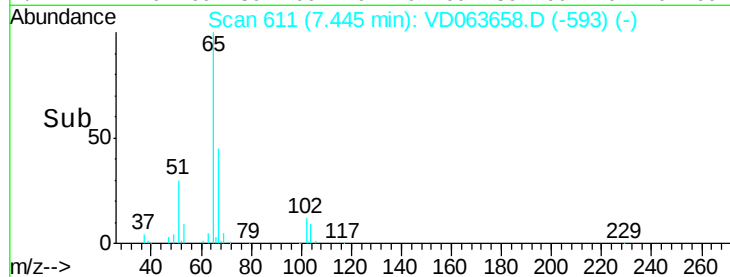
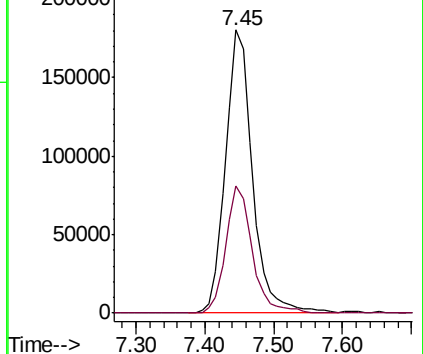
65 100

67 45.0 0.0 89.2



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. -0.02 min

Lab File: VD063658.D

Acq: 19 Aug 2019 15:29

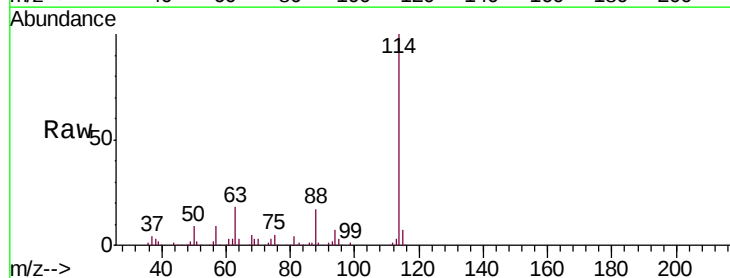
Tgt Ion: 114 Resp: 897507

Ion Ratio Lower Upper

114 100

63 18.2 0.0 36.2

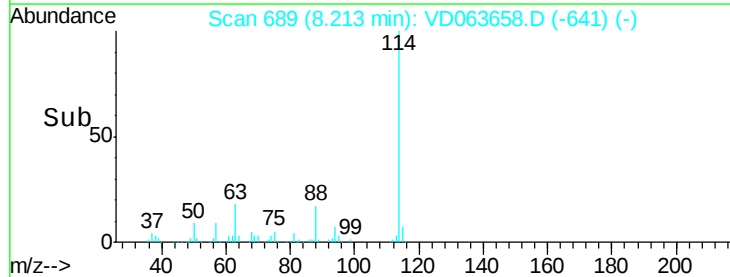
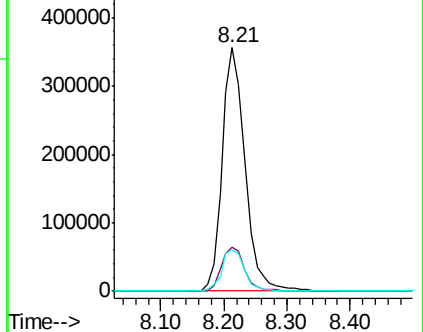
88 16.8 0.0 35.0

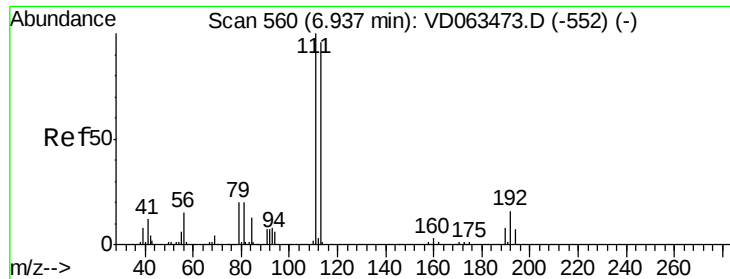


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 81.384 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD063658.D

Acq: 19 Aug 2019 15:29

Instrument :

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ClientSampleId :

T4-F(2)

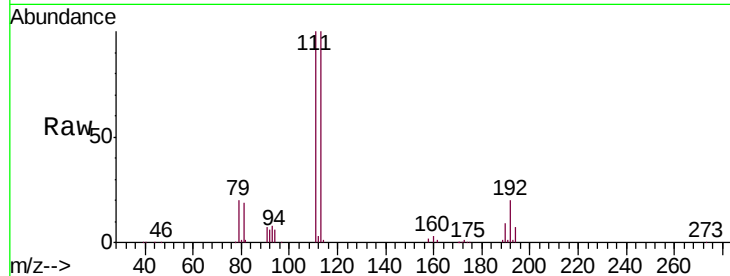
Tgt Ion:113 Resp: 615170

Ion Ratio Lower Upper

113 100

111 100.3 83.1 124.7

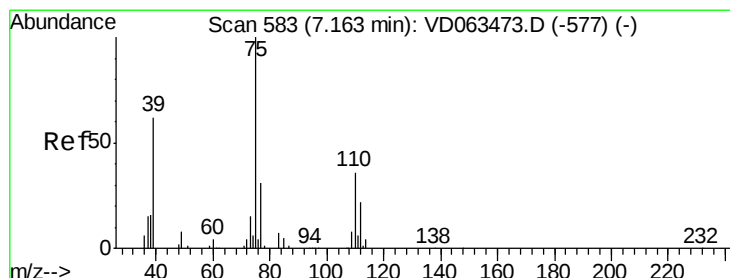
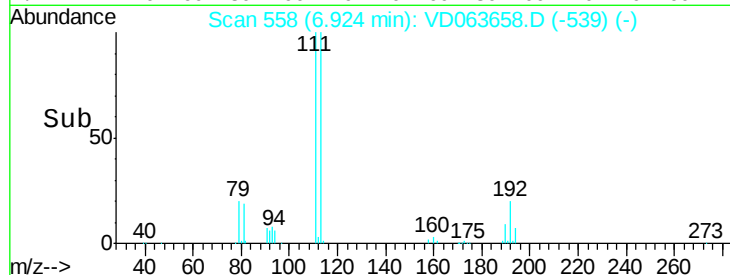
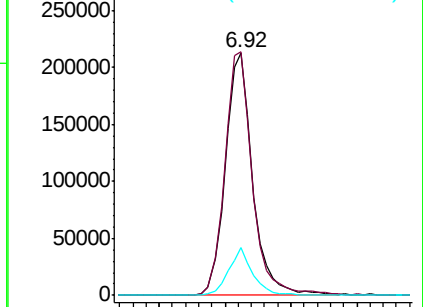
192 19.8 13.1 19.7#



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: 6.230 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.12 min

Lab File: VD063658.D

Acq: 19 Aug 2019 15:29

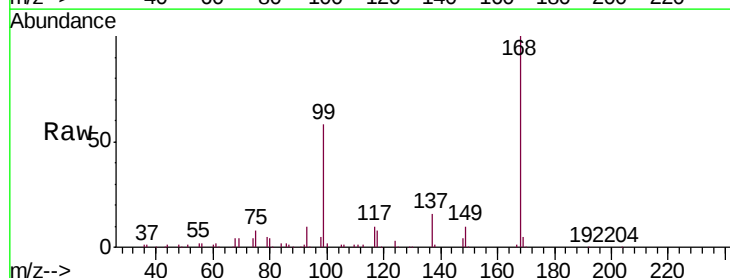
Tgt Ion: 75 Resp: 49426

Ion Ratio Lower Upper

75 100

110 7.8 17.6 52.8#

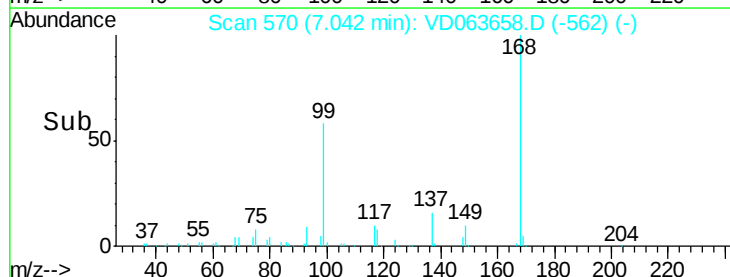
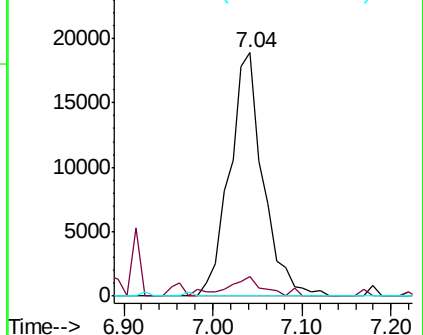
77 0.0 24.3 36.5#

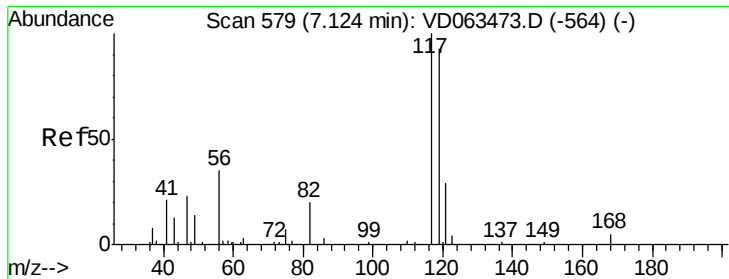


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC





#38

Carbon Tetrachloride

Concen: 5.565 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.09 min

Lab File: VD063658.D

Acq: 19 Aug 2019 15:29

Instrument :

MSVOA_D

ClientSampleId :

T4-F(2)

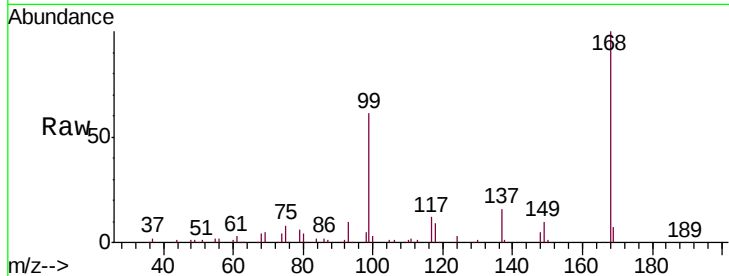
Tgt Ion:117 Resp: 66548

Ion Ratio Lower Upper

117 100

119 4.0 74.2 111.2#

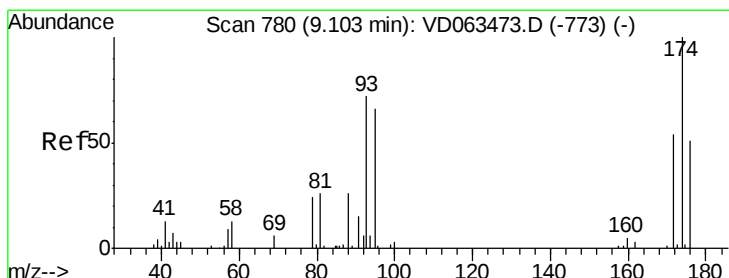
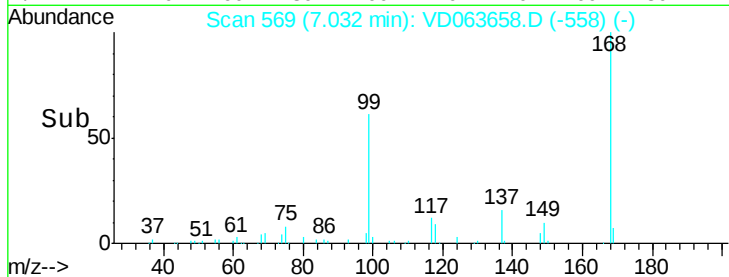
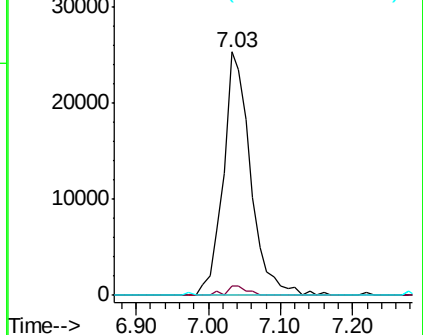
121 0.0 23.1 34.7#



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



#49

1,4-Dioxane

Concen: 33.022 ug/l

RT: 8.78 min Scan# 747

Delta R.T. -0.32 min

Lab File: VD063658.D

Acq: 19 Aug 2019 15:29

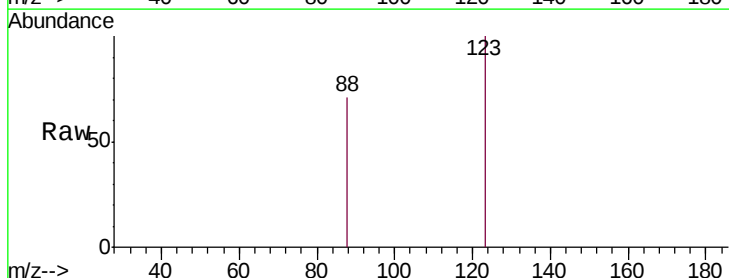
Tgt Ion: 88 Resp: 229

Ion Ratio Lower Upper

88 100

43 0.0 22.9 34.3#

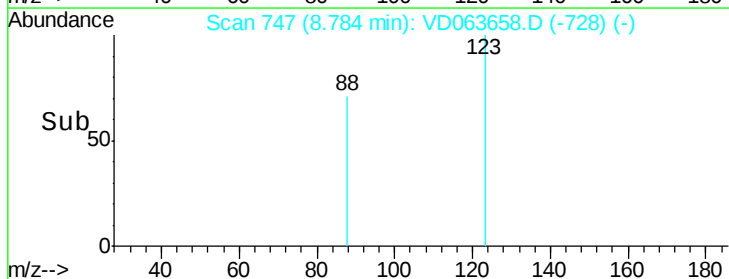
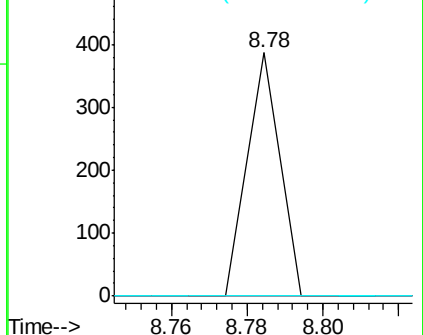
58 0.0 40.1 60.1#

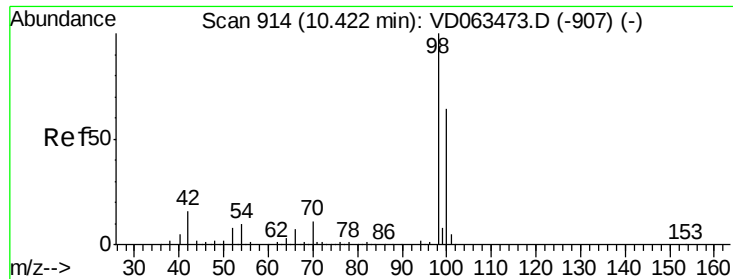


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC

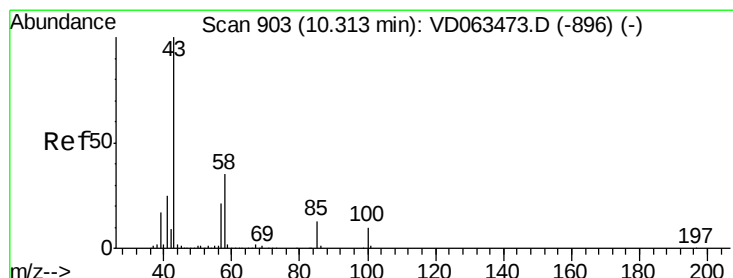
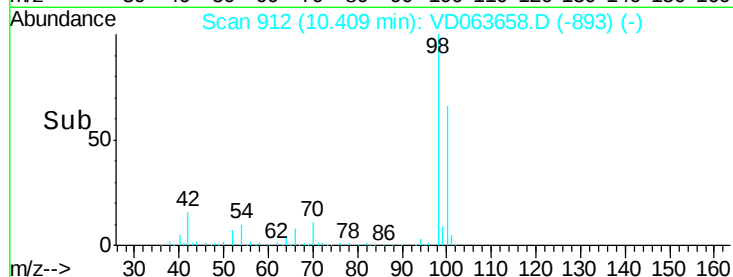
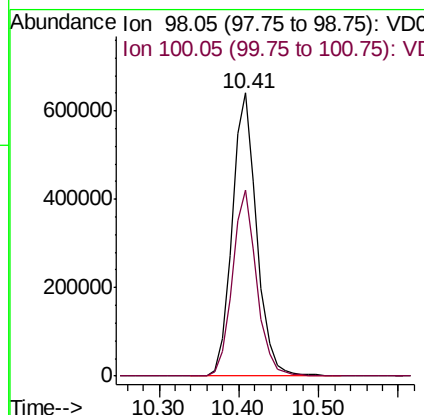
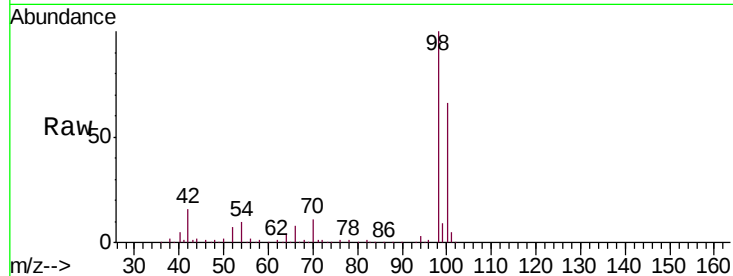




#50
Toluene-d8
Concen: 82.946 ug/l
RT: 10.41 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD063658.D
Acq: 19 Aug 2019 15:29

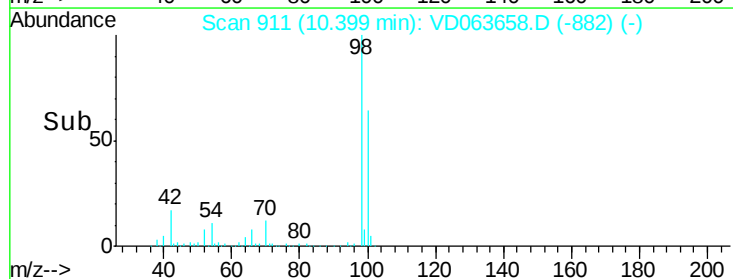
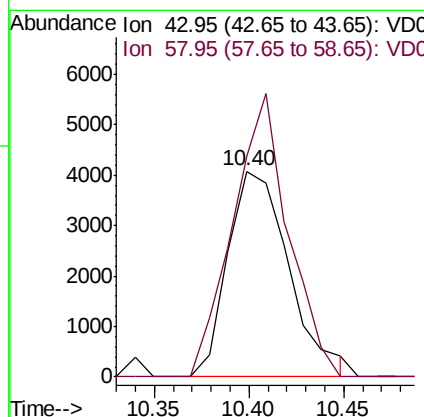
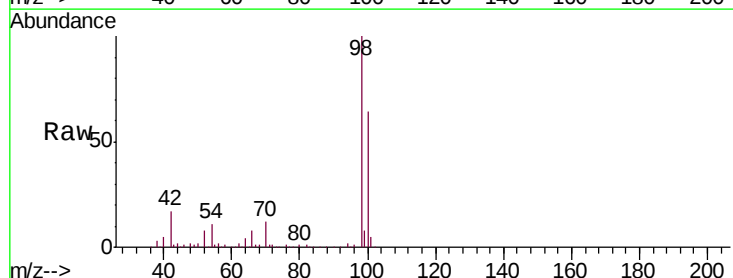
Instrument :
MSVOA_D
ClientSampleId :
T4-F(2)

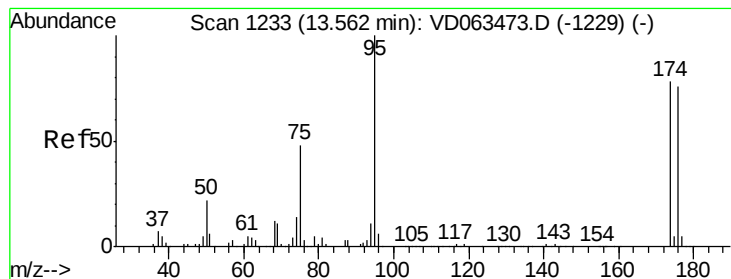
Tgt Ion: 98 Resp: 1378434
Ion Ratio Lower Upper
98 100
100 66.0 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 2.996 ug/l
RT: 10.40 min Scan# 911
Delta R.T. 0.09 min
Lab File: VD063658.D
Acq: 19 Aug 2019 15:29

Tgt Ion: 43 Resp: 9129
Ion Ratio Lower Upper
43 100
58 107.4 28.0 42.0#





#62

4-Bromofluorobenzene

Concen: 70.528 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD063658.D

Acq: 19 Aug 2019 15:29

Instrument :

MSVOA_D

ClientSampleId :

T4-F(2)

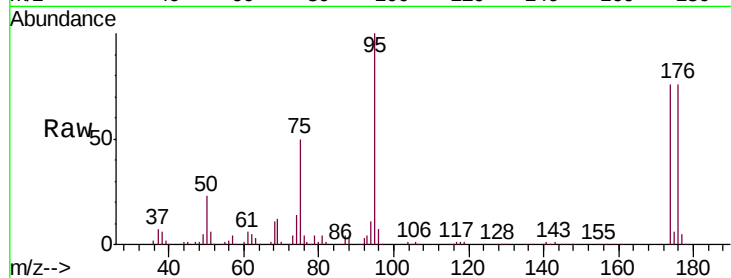
Tgt Ion: 95 Resp: 531234

Ion Ratio Lower Upper

95 100

174 76.4 0.0 155.4

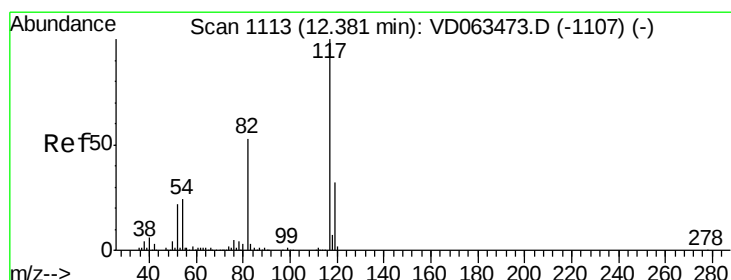
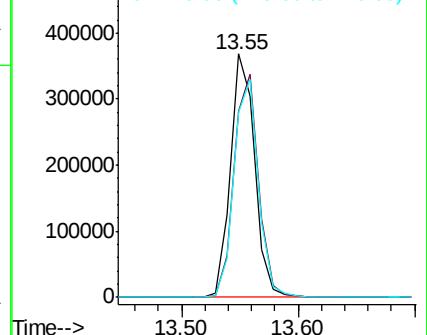
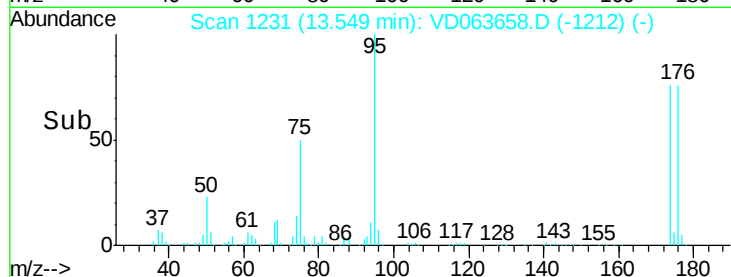
176 76.1 0.0 152.4



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: VD063658.D

Acq: 19 Aug 2019 15:29

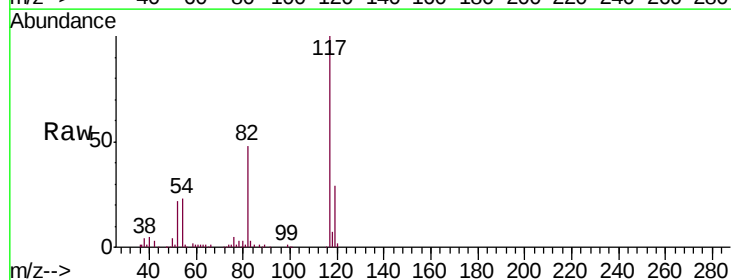
Tgt Ion: 117 Resp: 675059

Ion Ratio Lower Upper

117 100

82 48.4 42.0 63.0

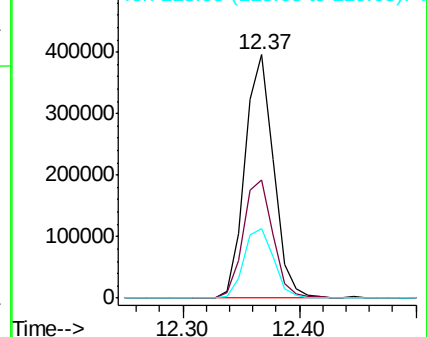
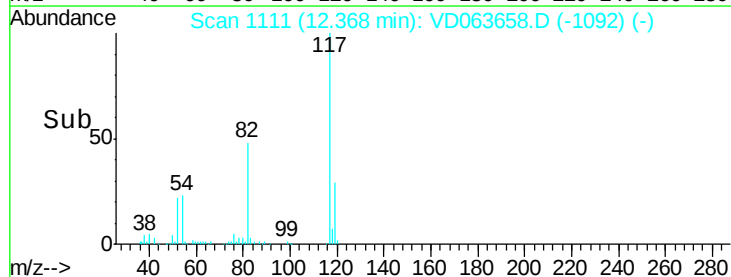
119 28.7 25.4 38.0

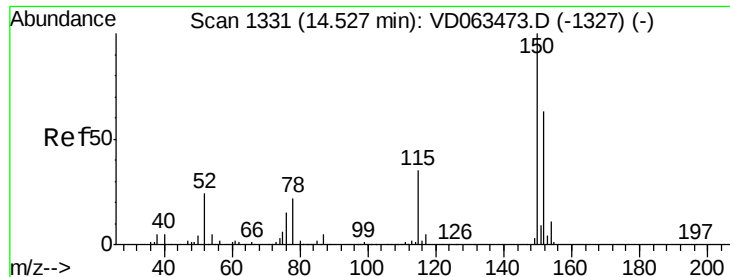


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



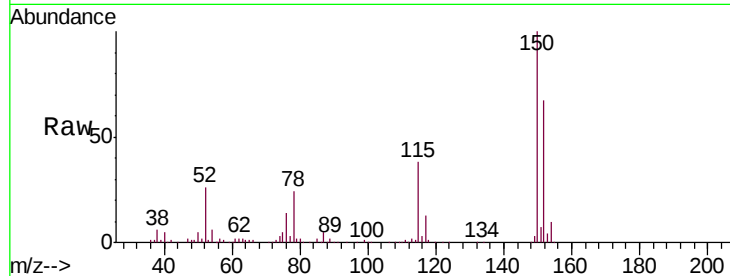


#72

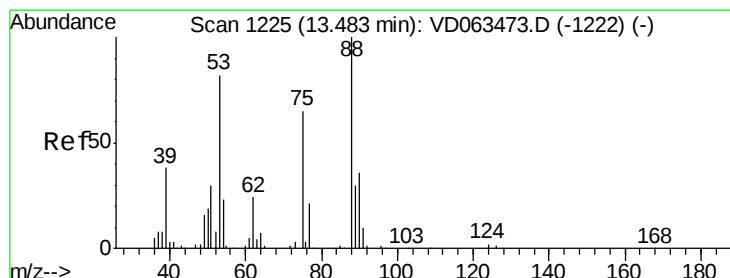
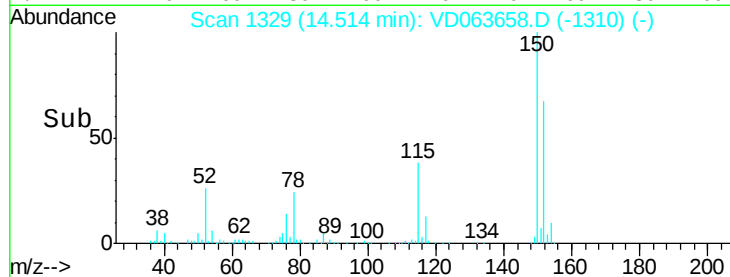
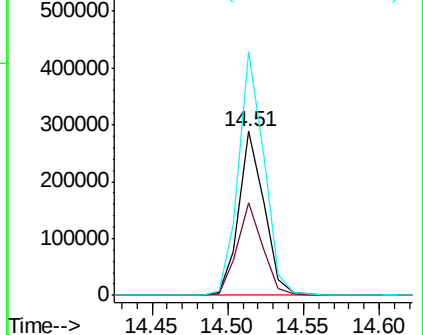
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD063658.D
Acq: 19 Aug 2019 15:29

Instrument :
MSVOA_D
ClientSampled :
T4-F(2)

Tgt Ion: 152 Resp: 335206
Ion Ratio Lower Upper
152 100
115 56.5 30.9 92.7
150 148.6 0.0 318.6



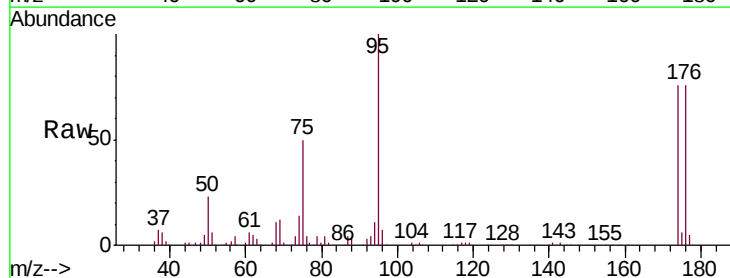
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 249.174 ug/l
RT: 13.55 min Scan# 1231
Delta R.T. 0.07 min
Lab File: VD063658.D
Acq: 19 Aug 2019 15:29

Tgt Ion: 75 Resp: 257643
Ion Ratio Lower Upper
75 100
53 0.0 101.0 151.4#
89 0.0 37.0 55.6#



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

