

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081919\
 Data File : VD063670.D
 Acq On : 19 Aug 2019 20:55
 Operator : JC/SY
 Sample : K4389-03RE
 Misc : 6.79g/5ml/MSVOA_D/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 T6-E3(2)RE

Quant Time: Aug 20 08:17:50 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	996010	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.21	114	1291326	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	828629	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	195174	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	549856	51.65	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	103.30%	
35) Dibromofluoromethane	6.92	113	639976	58.84	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	117.68%	
50) Toluene-d8	10.40	98	1121918	46.92	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	93.84%	
62) 4-Bromofluorobenzene	13.55	95	269594	24.88	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	49.76%	

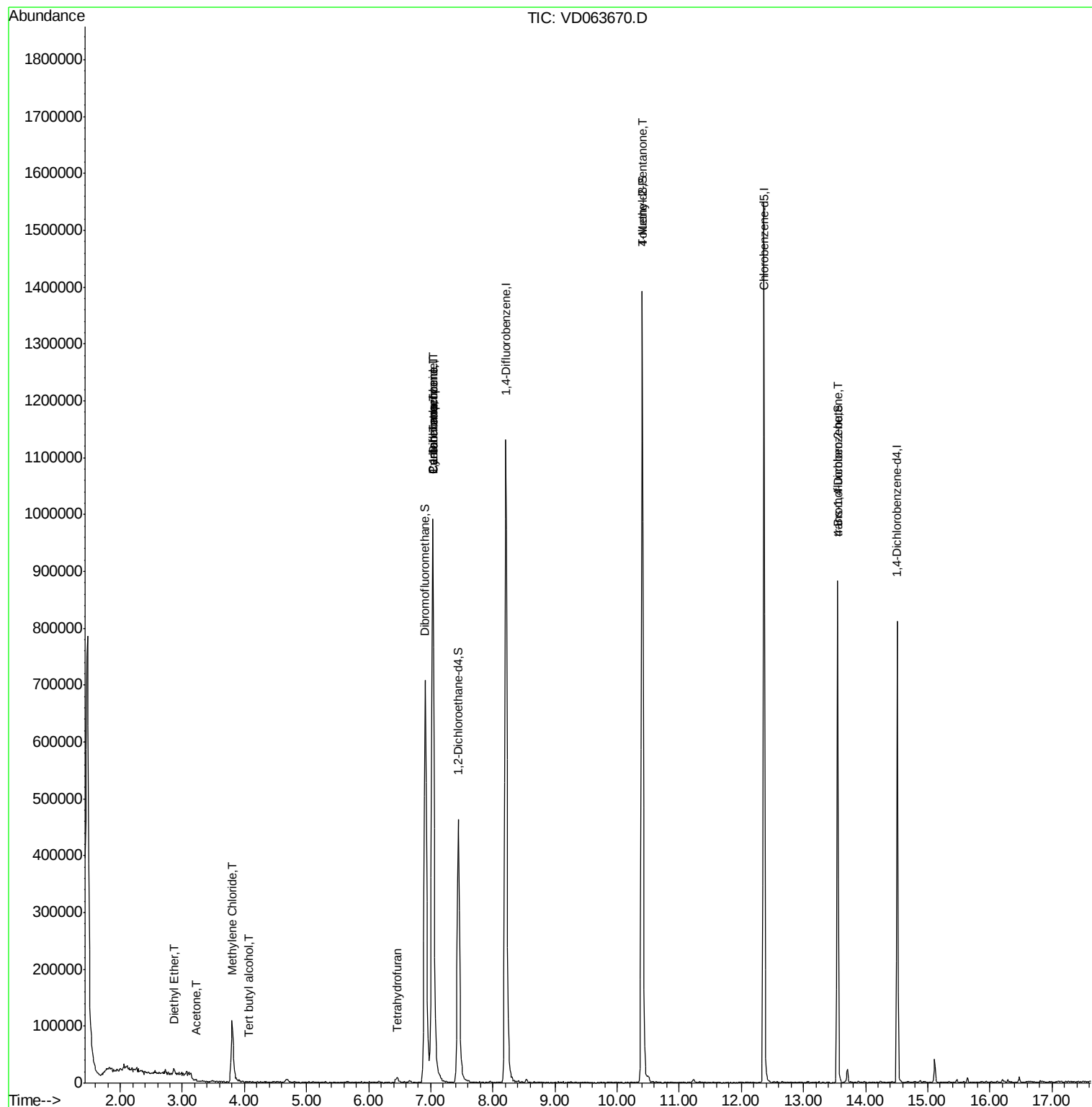
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.86	74	2681	1.036	ug/l	82
11) Tert butyl alcohol	4.06	59	798	1.722	ug/l #	71
16) Acetone	3.23	43	2182	1.008	ug/l #	65
20) Methylene Chloride	3.80	84	66259	7.080	ug/l #	79
29) Tetrahydrofuran	6.46	42	8049	8.081	ug/l	91
31) Cyclohexane	7.04	56	19723	2.052	ug/l #	20
36) 1,1-Dichloropropene	7.03	75	71184	6.236	ug/l #	48
38) Carbon Tetrachloride	7.04	117	94330	5.483	ug/l #	17
51) 4-Methyl-2-Pentanone	10.40	43	5199	1.186	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.54	75	118883	197.467	ug/l #	1

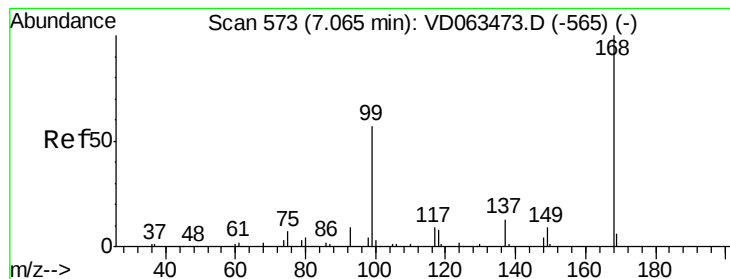
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD081919\
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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. -0.03 min

Lab File: VD063670.D

Acq: 19 Aug 2019 20:55

Instrument :

MSVOA_D

ClientSampleId :

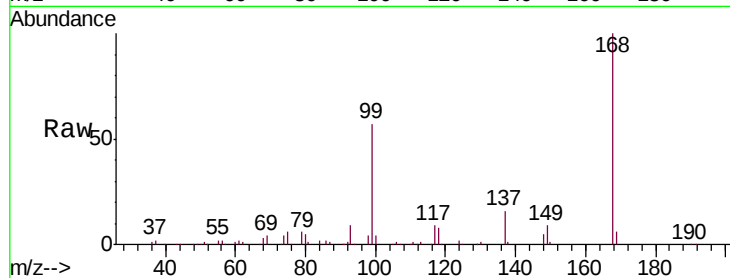
T6-E3(2)RE

Tgt Ion:168 Resp: 996010

Ion Ratio Lower Upper

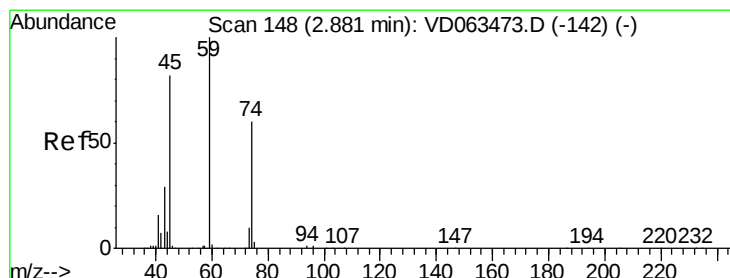
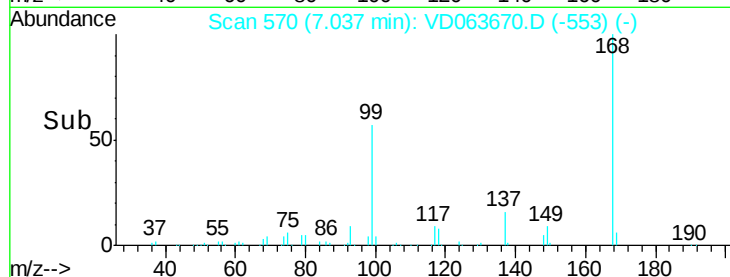
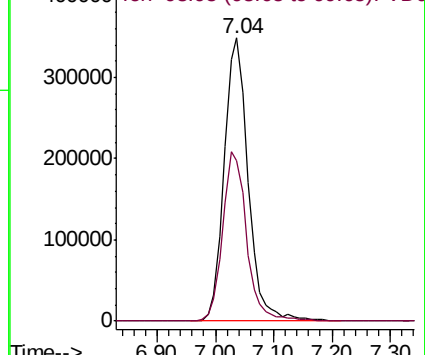
168 100

99 56.8 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: 1.036 ug/l

RT: 2.86 min Scan# 146

Delta R.T. -0.02 min

Lab File: VD063670.D

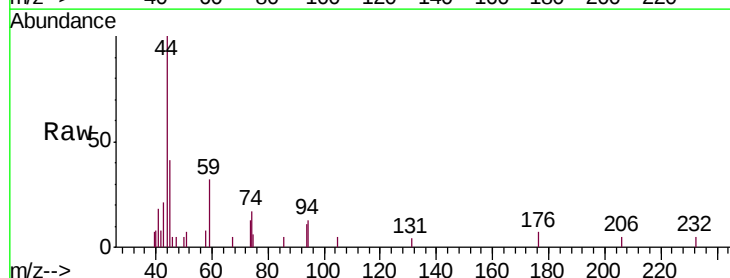
Acq: 19 Aug 2019 20:55

Tgt Ion: 74 Resp: 2681

Ion Ratio Lower Upper

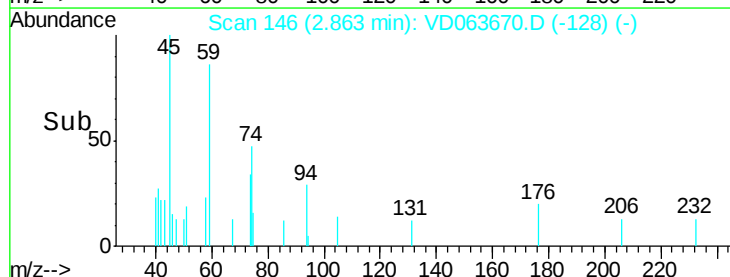
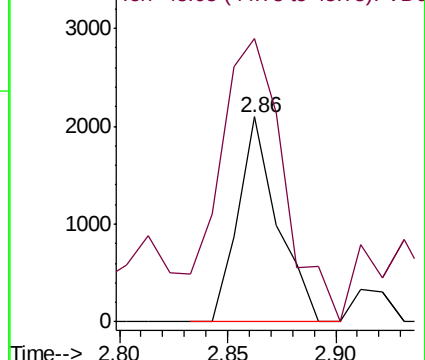
74 100

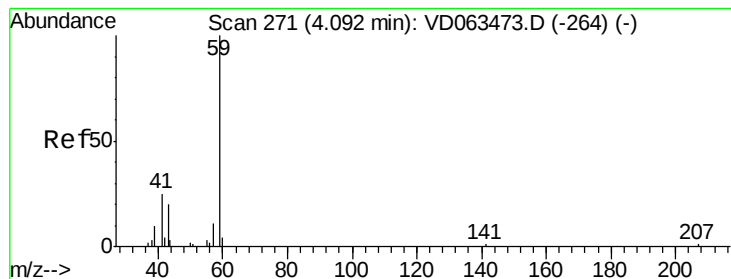
45 115.5 68.5 205.5



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



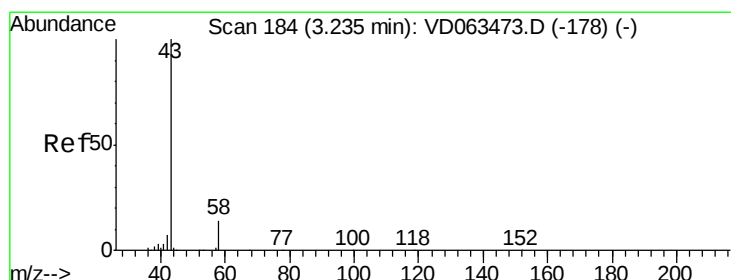
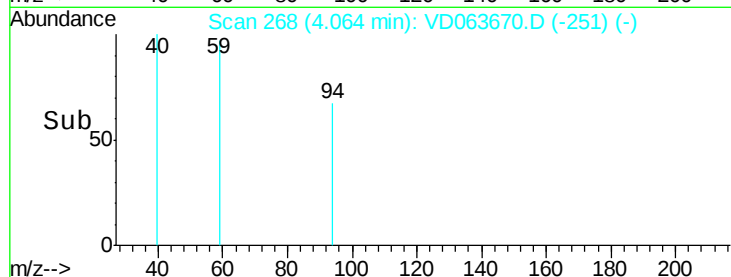
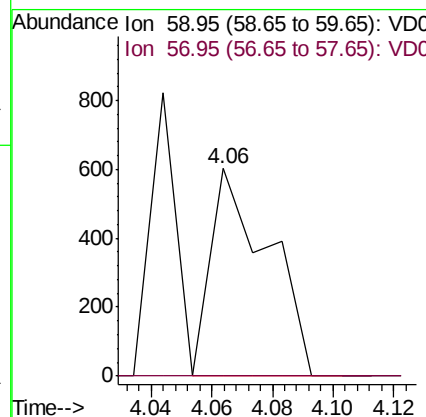
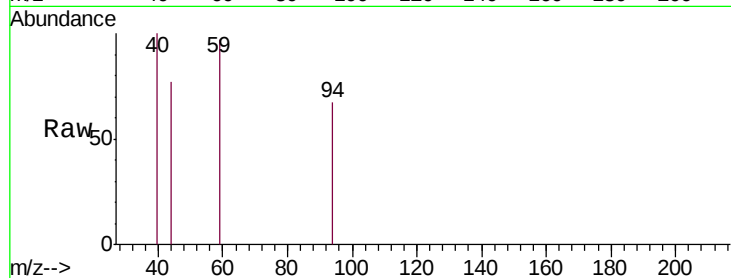


#11

Tert butyl alcohol
 Concen: 1.722 ug/l
 RT: 4.06 min Scan# 268
 Delta R.T. -0.03 min
 Lab File: VD063670.D
 Acq: 19 Aug 2019 20:55

Instrument :
 MSVOA_D
 ClientSampleId :
 T6-E3(2)RE

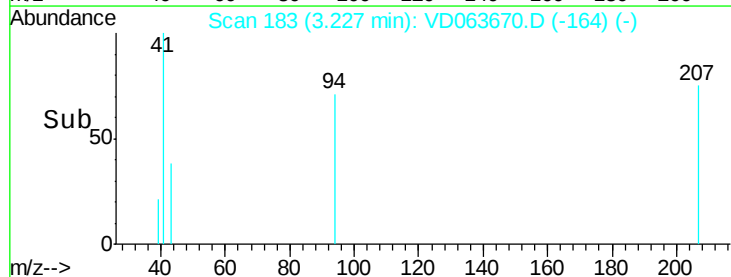
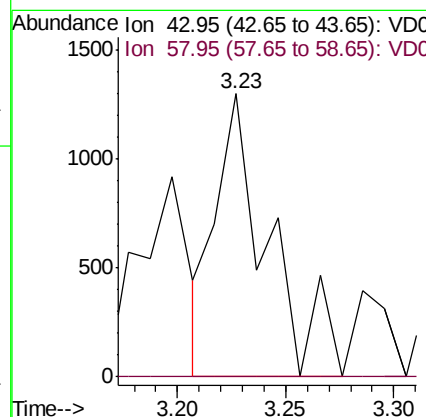
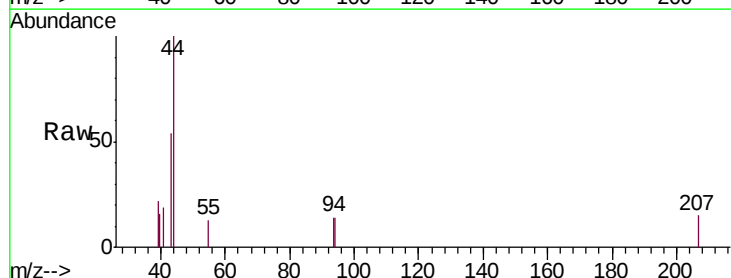
Tgt Ion: 59 Resp: 798
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.7 13.1#

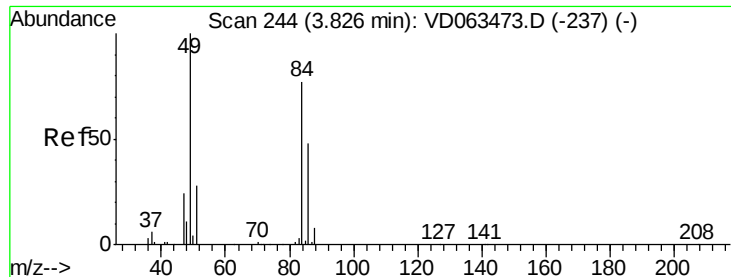


#16

Acetone
 Concen: 1.008 ug/l
 RT: 3.23 min Scan# 183
 Delta R.T. -0.01 min
 Lab File: VD063670.D
 Acq: 19 Aug 2019 20:55

Tgt Ion: 43 Resp: 2182
 Ion Ratio Lower Upper
 43 100
 58 0.0 11.4 17.2#

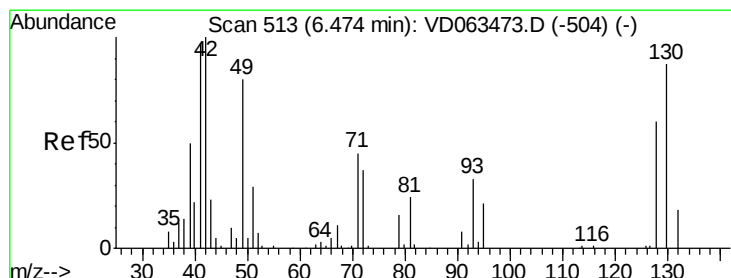
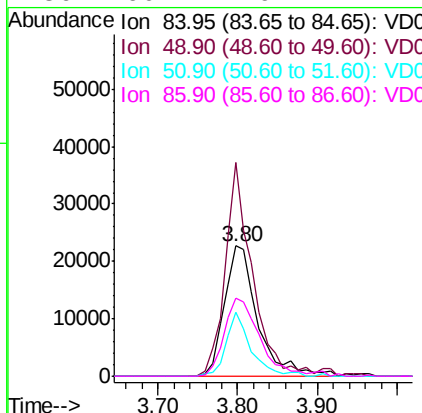
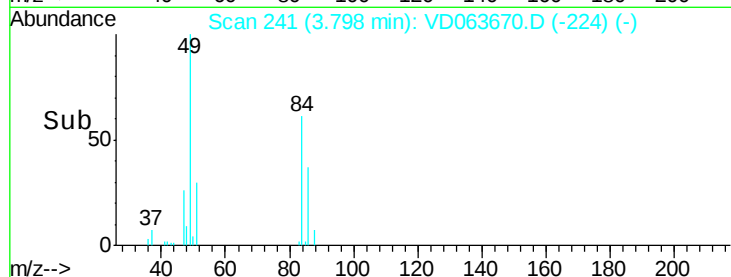
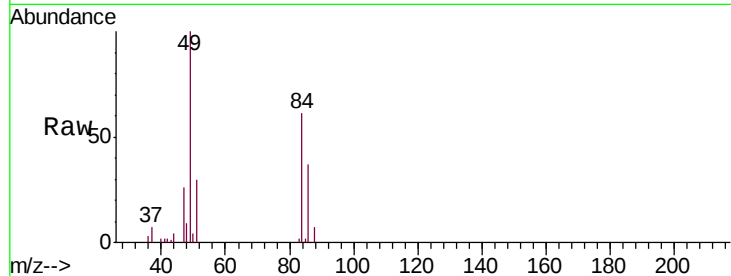




#20
Methylene Chloride
Concen: 7.080 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.03 min
Lab File: VD063670.D
Acq: 19 Aug 2019 20:55

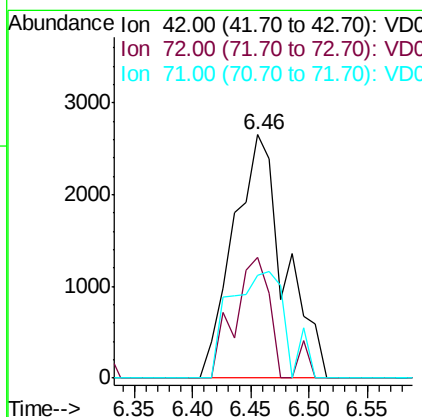
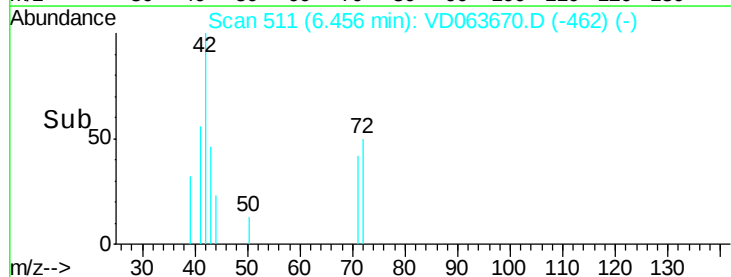
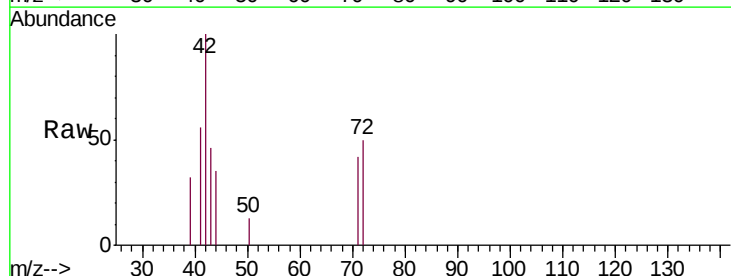
Instrument :
MSVOA_D
ClientSampleId :
T6-E3(2)RE

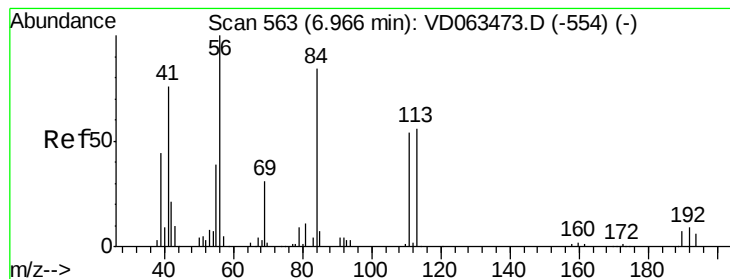
Tgt Ion: 84 Resp: 66259
Ion Ratio Lower Upper
84 100
49 163.7 103.4 155.2#
51 48.7 28.5 42.7#
86 60.2 49.4 74.2



#29
Tetrahydrofuran
Concen: 8.081 ug/l
RT: 6.46 min Scan# 511
Delta R.T. -0.02 min
Lab File: VD063670.D
Acq: 19 Aug 2019 20:55

Tgt Ion: 42 Resp: 8049
Ion Ratio Lower Upper
42 100
72 33.5 31.5 47.3
71 47.9 33.8 50.8





#31

Cyclohexane

Concen: 2.052 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.07 min

Lab File: VD063670.D

Acq: 19 Aug 2019 20:55

Instrument :

MSVOA_D

ClientSampleId :

T6-E3(2)RE

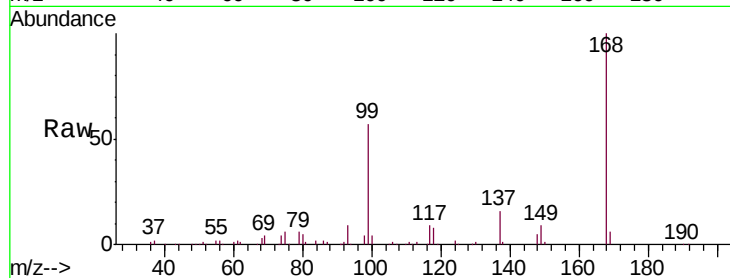
Tgt Ion: 56 Resp: 19723

Ion Ratio Lower Upper

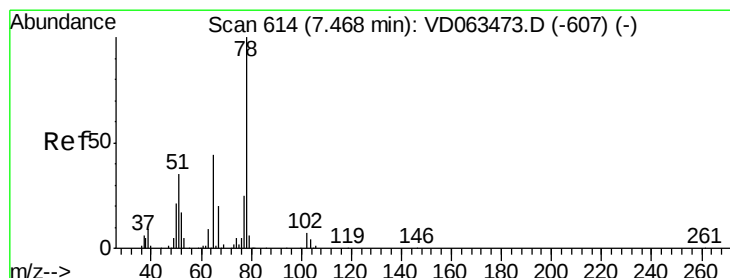
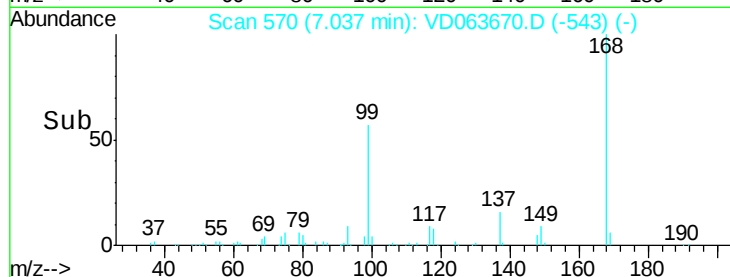
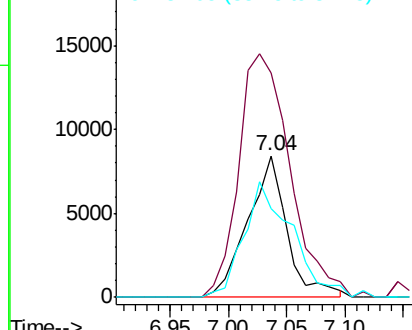
56 100

69 159.0 25.0 37.6#

84 62.9 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: 51.646 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.03 min

Lab File: VD063670.D

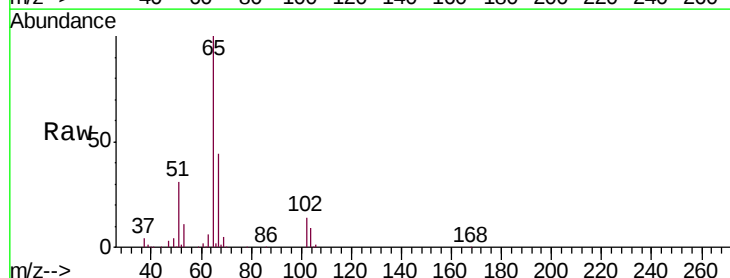
Acq: 19 Aug 2019 20:55

Tgt Ion: 65 Resp: 549856

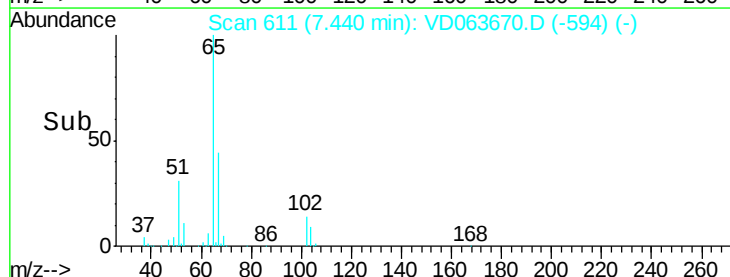
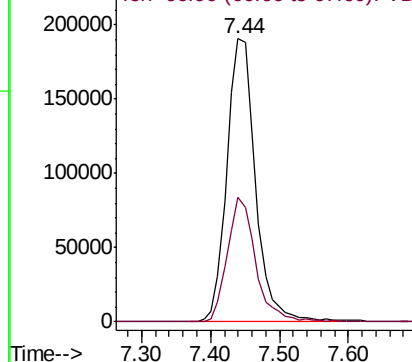
Ion Ratio Lower Upper

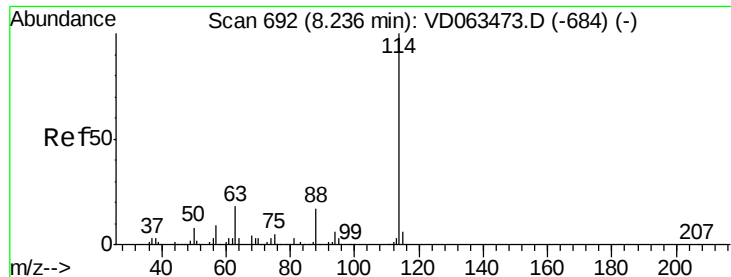
65 100

67 44.0 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. -0.03 min

Lab File: VD063670.D

Acq: 19 Aug 2019 20:55

Instrument :

MSVOA_D

ClientSampleId :

T6-E3(2)RE

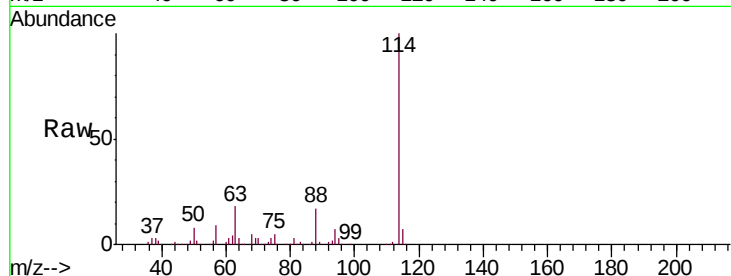
Tgt Ion:114 Resp: 1291326

Ion Ratio Lower Upper

114 100

63 17.6 0.0 36.2

88 16.9 0.0 35.0



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

600000

400000

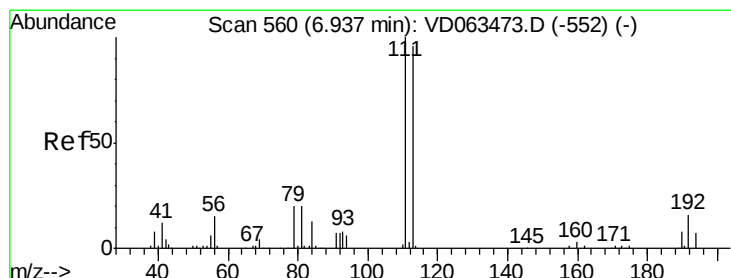
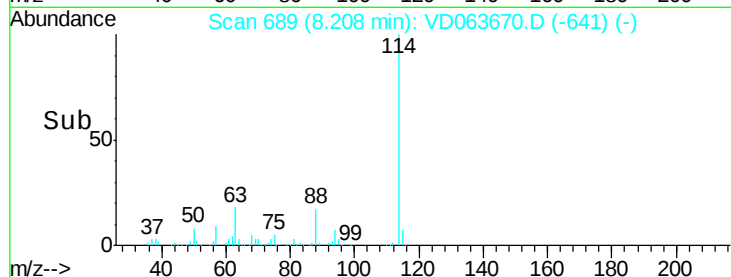
200000

0

8.21

8.10 8.20 8.30 8.40

Time-->



#35

Dibromofluoromethane

Concen: 58.845 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.02 min

Lab File: VD063670.D

Acq: 19 Aug 2019 20:55

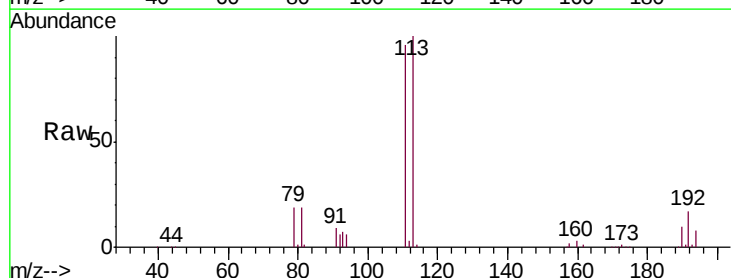
Tgt Ion:113 Resp: 639976

Ion Ratio Lower Upper

113 100

111 95.6 83.1 124.7

192 17.4 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

300000

250000

200000

150000

100000

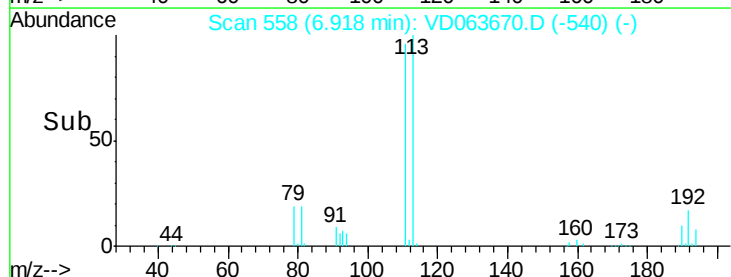
50000

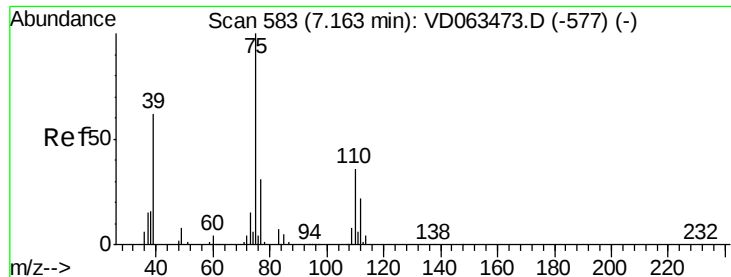
0

6.92

6.80 6.90 7.00 7.10

Time-->

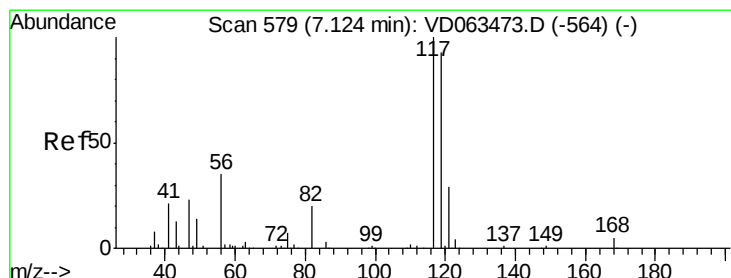
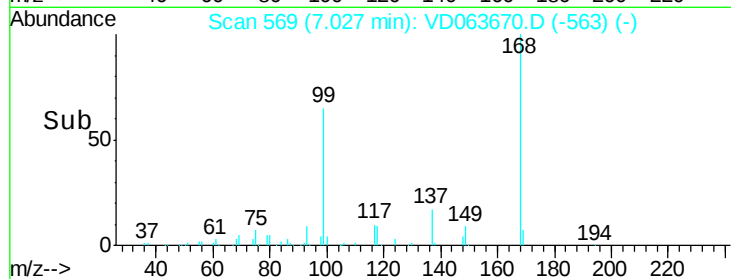
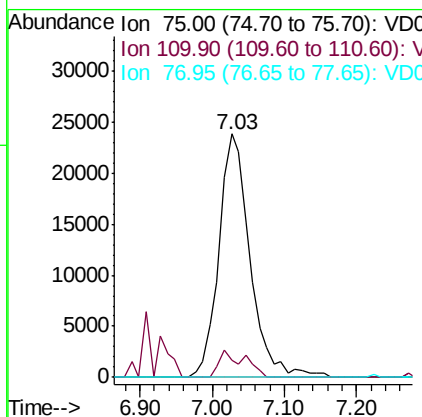
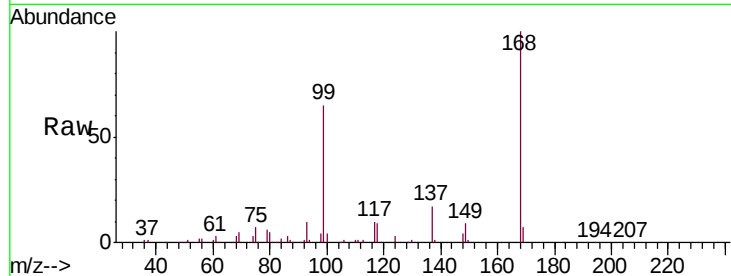




#36
 1,1-Dichloropropene
 Concen: 6.236 ug/l
 RT: 7.03 min Scan# 569
 Delta R.T. -0.14 min
 Lab File: VD063670.D
 Acq: 19 Aug 2019 20:55

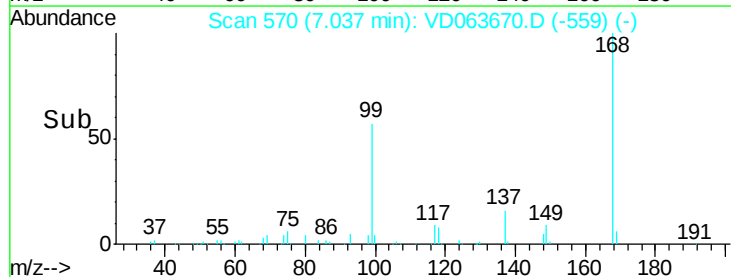
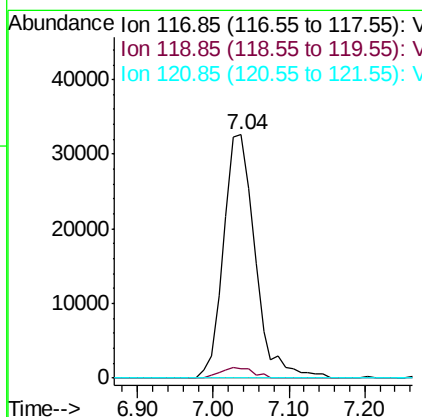
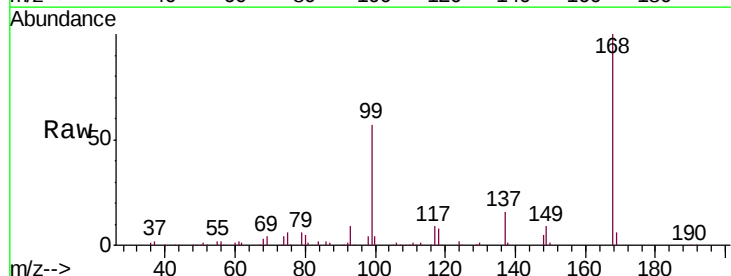
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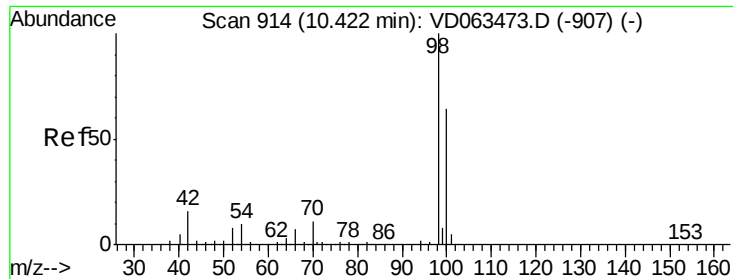
Tgt Ion: 75 Resp: 71184
 Ion Ratio Lower Upper
 75 100
 110 7.1 17.6 52.8#
 77 0.0 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 5.483 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.09 min
 Lab File: VD063670.D
 Acq: 19 Aug 2019 20:55

Tgt Ion: 117 Resp: 94330
 Ion Ratio Lower Upper
 117 100
 119 4.1 74.2 111.2#
 121 0.0 23.1 34.7#

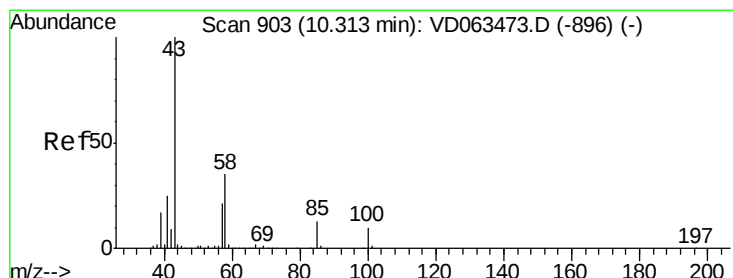
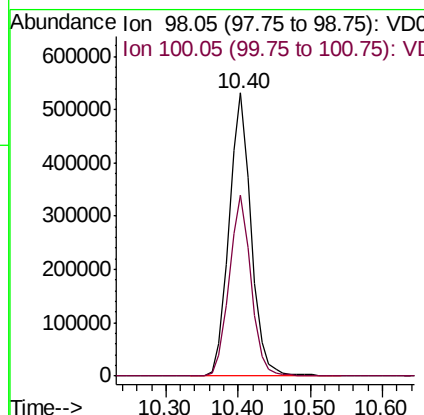
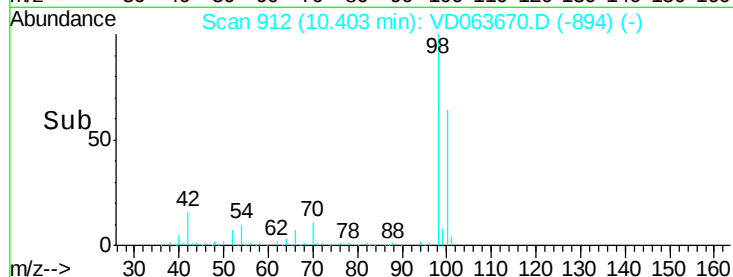
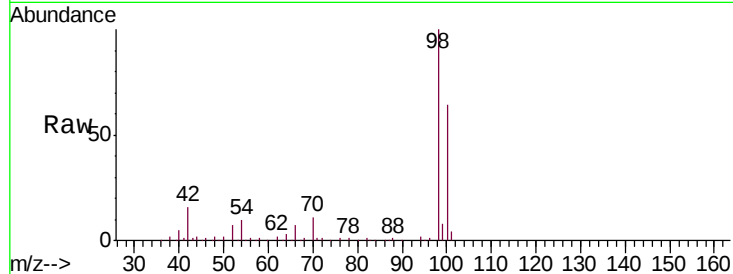




#50
Toluene-d8
Concen: 46.921 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.02 min
Lab File: VD063670.D
Acq: 19 Aug 2019 20:55

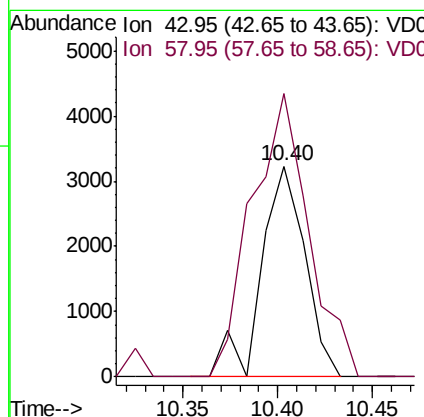
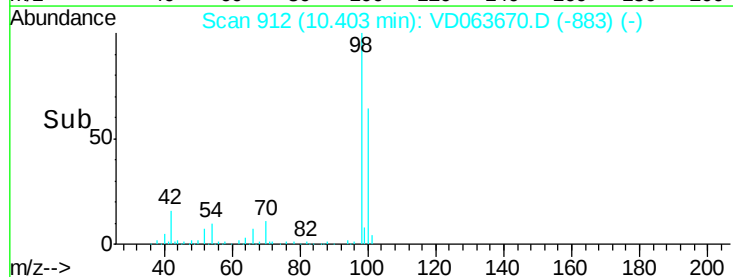
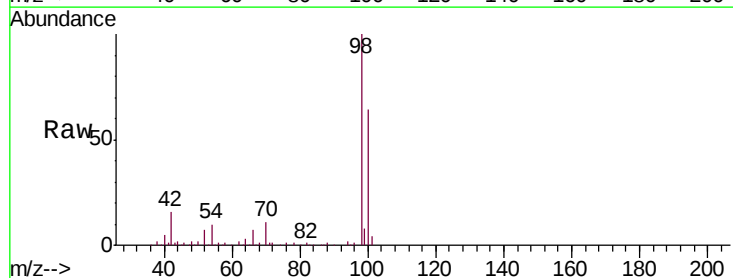
Instrument :
MSVOA_D
ClientSampleId :
T6-E3(2)RE

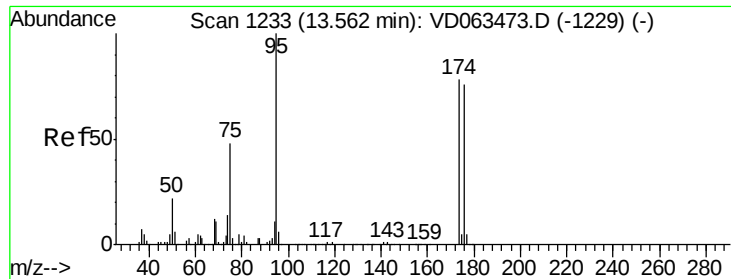
Tgt Ion: 98 Resp: 1121918
Ion Ratio Lower Upper
98 100
100 64.0 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 1.186 ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.09 min
Lab File: VD063670.D
Acq: 19 Aug 2019 20:55

Tgt Ion: 43 Resp: 5199
Ion Ratio Lower Upper
43 100
58 134.4 28.0 42.0#

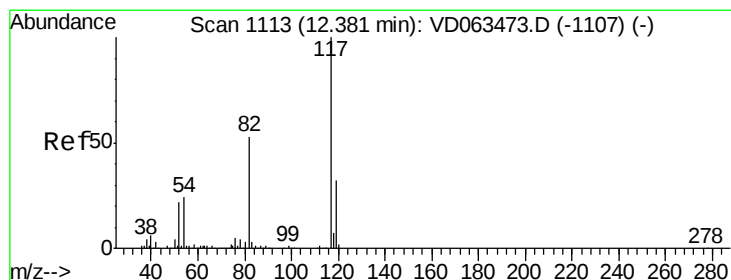
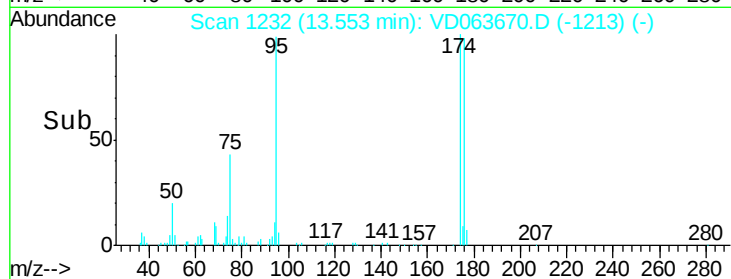
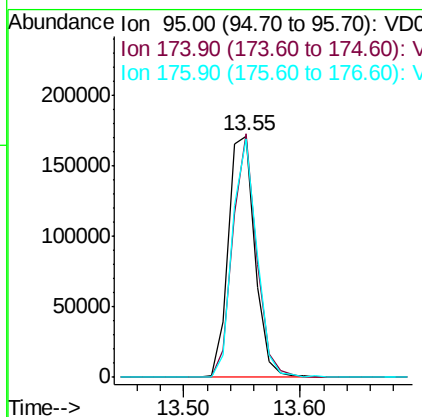
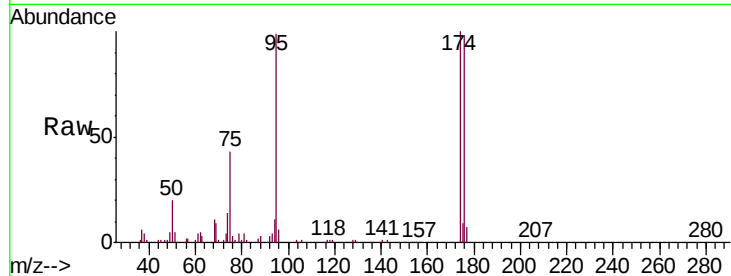




#62
4-Bromofluorobenzene
Concen: 24.877 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD063670.D
Acq: 19 Aug 2019 20:55

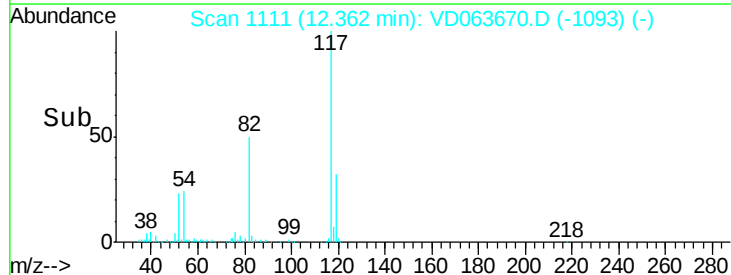
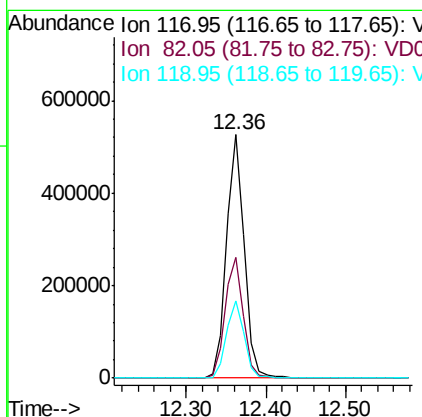
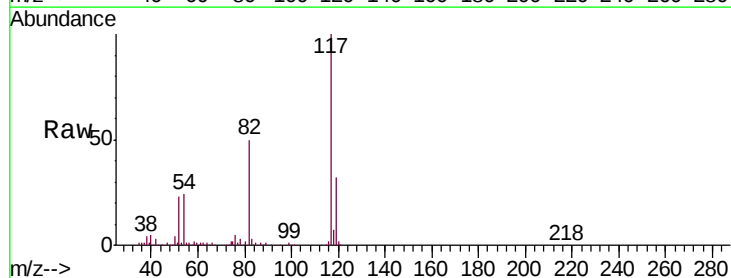
Instrument :
MSVOA_D
ClientSampleId :
T6-E3(2)RE

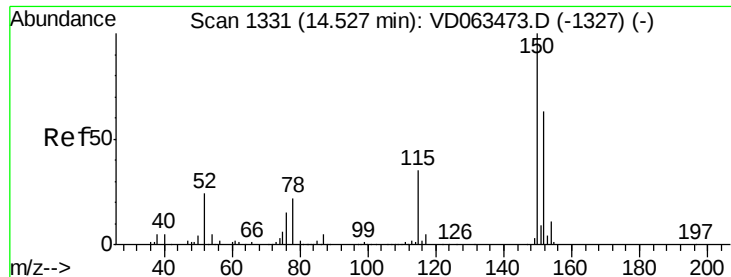
Tgt Ion: 95 Resp: 269594
Ion Ratio Lower Upper
95 100
174 100.8 0.0 155.4
176 98.9 0.0 152.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD063670.D
Acq: 19 Aug 2019 20:55

Tgt Ion: 117 Resp: 828629
Ion Ratio Lower Upper
117 100
82 49.6 42.0 63.0
119 31.8 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.01 min

Lab File: VD063670.D

Acq: 19 Aug 2019 20:55

Instrument :

MSVOA_D

ClientSampleId :

T6-E3(2)RE

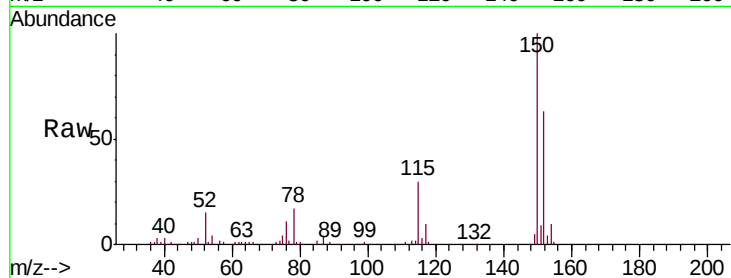
Tgt Ion:152 Resp: 195174

Ion Ratio Lower Upper

152 100

115 47.8 30.9 92.7

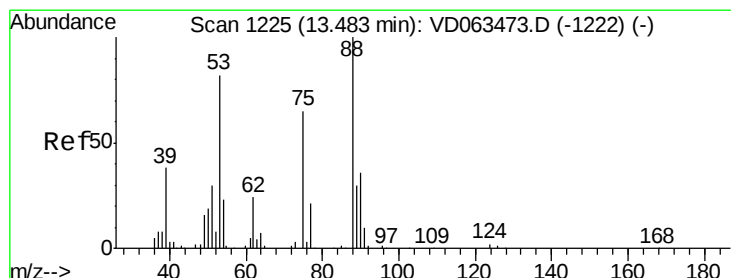
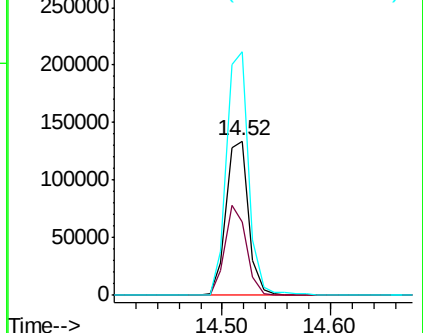
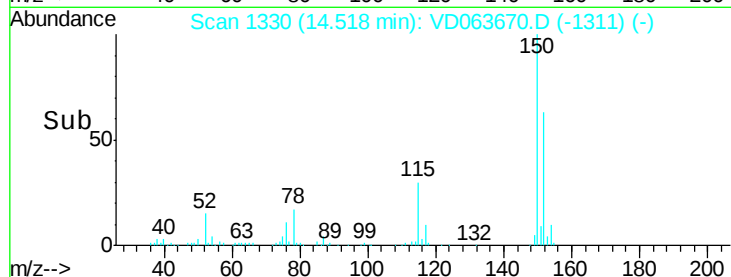
150 157.7 0.0 318.6



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: 197.467 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. 0.06 min

Lab File: VD063670.D

Acq: 19 Aug 2019 20:55

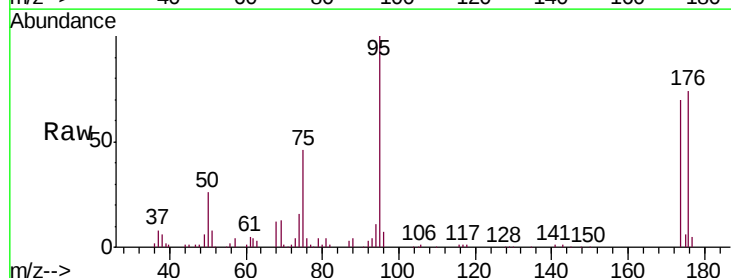
Tgt Ion: 75 Resp: 118883

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

