

Data File : VW010639.D
Acq On : 31 May 2019 16:23
Operator : SY/VA
Sample : K3105-09
Misc : 5.64G/5ML/MSVOA_W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
66-67-TRACK

Quant Time: Jun 01 04:51:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260
QLast Update : Tue May 21 06:38:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	161329	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	287858	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	252159	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	107168	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	87577	52.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.18%	
35) Dibromofluoromethane	7.88	113	84720	48.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.00%	
50) Toluene-d8	10.32	98	349765	52.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.84%	
62) 4-Bromofluorobenzene	12.62	95	125448	47.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.40%	

Target Compounds

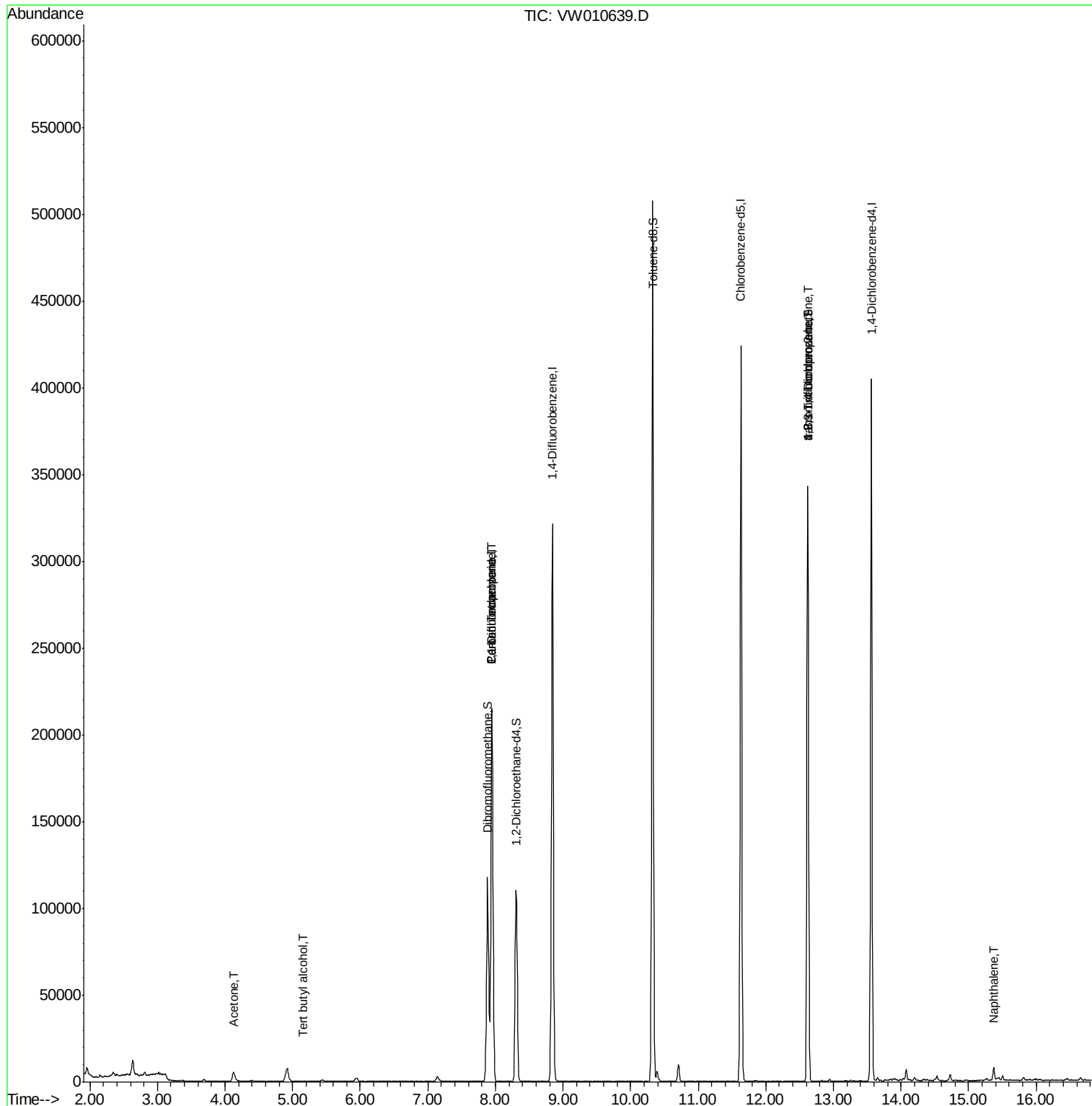
						Qvalue
11) Tert butyl alcohol	5.15	59	384	2.564	ug/l #	71
16) Acetone	4.13	43	9675	28.464	ug/l	98
20) Methylene Chloride	4.92	84	6412	Below Cal		93
36) 1,1-Dichloropropene	7.95	75	11871	4.427	ug/l #	48
38) Carbon Tetrachloride	7.95	117	16891	5.839	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	57930	53.253	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	57930	111.141	ug/l #	14
95) Naphthalene	15.37	128	6434	1.324	ug/l	99

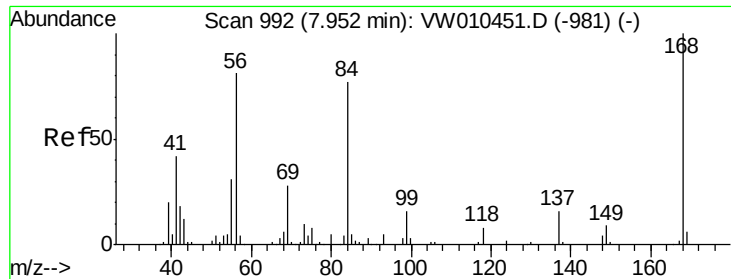
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010639.D

Acq: 31 May 2019 16:23

Instrument :

MSVOA_W

ClientSampleId :

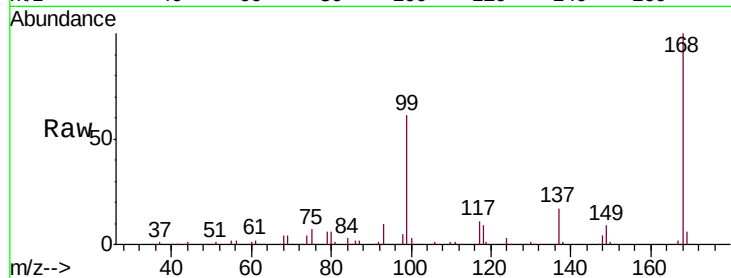
66-67-TRACK

Tgt Ion:168 Resp: 161329

Ion Ratio Lower Upper

168 100

99 61.4 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

60000

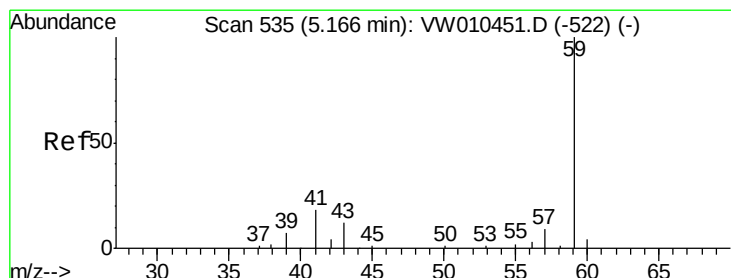
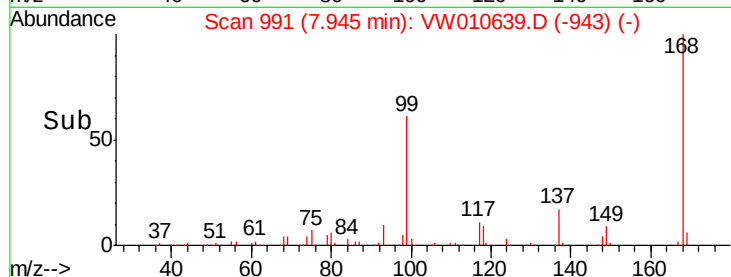
40000

20000

0

7.90 8.00

Time-->



#11

Tert butyl alcohol

Concen: 2.564 ug/l

RT: 5.15 min Scan# 533

Delta R.T. -0.01 min

Lab File: VW010639.D

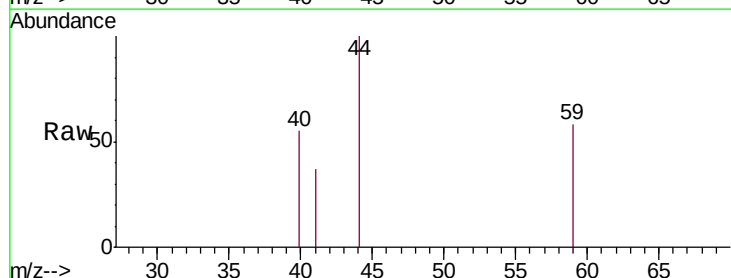
Acq: 31 May 2019 16:23

Tgt Ion: 59 Resp: 384

Ion Ratio Lower Upper

59 100

57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.15

150

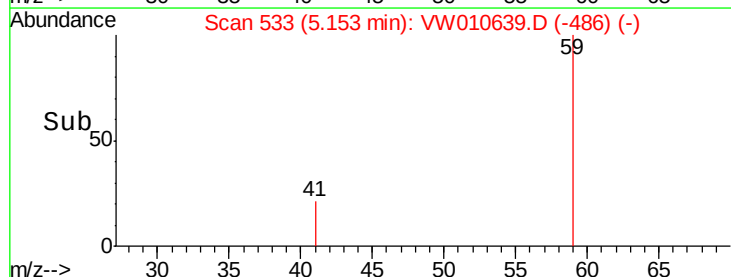
100

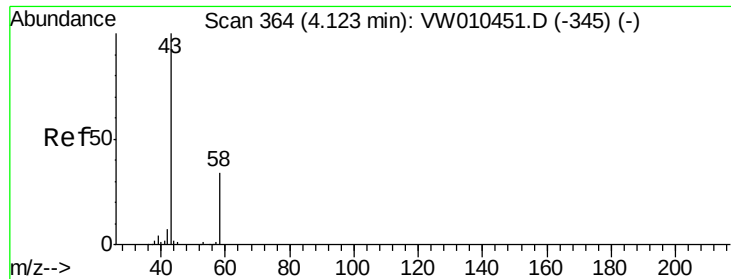
50

0

5.10 5.15 5.20

Time-->





#16

Acetone

Concen: 28.464 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW010639.D

Acq: 31 May 2019 16:23

Instrument :

MSVOA_W

ClientSampleId :

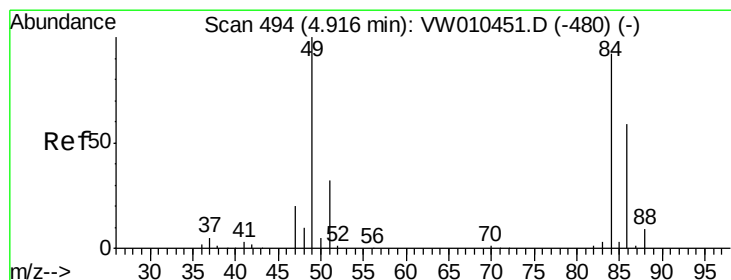
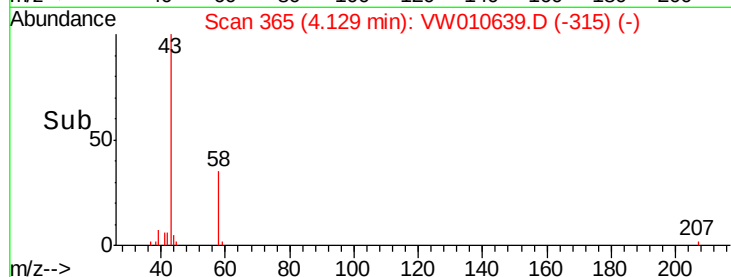
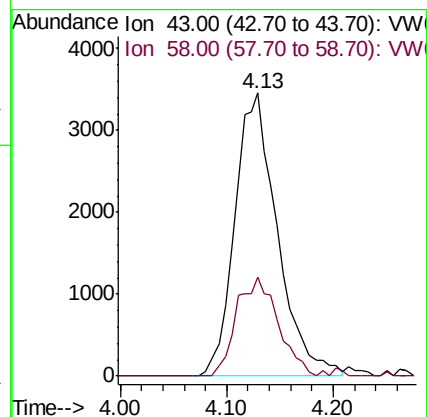
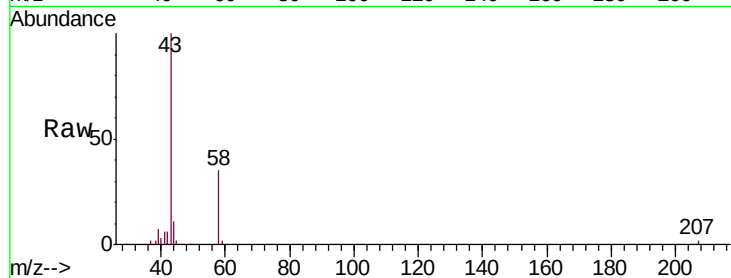
66-67-TRACK

Tgt Ion: 43 Resp: 9675

Ion Ratio Lower Upper

43 100

58 35.0 27.0 40.4



#20

Methylene Chloride

Concen: Below Cal

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW010639.D

Acq: 31 May 2019 16:23

Tgt Ion: 84 Resp: 6412

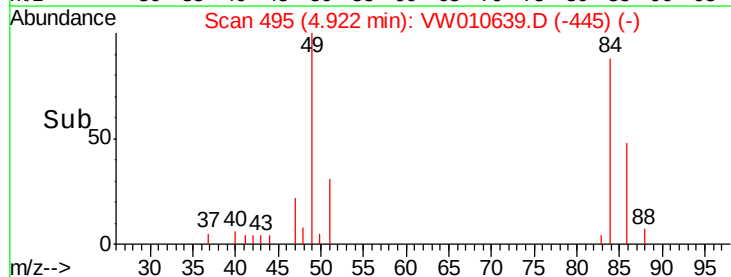
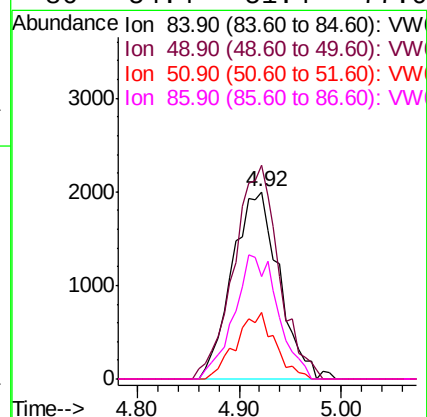
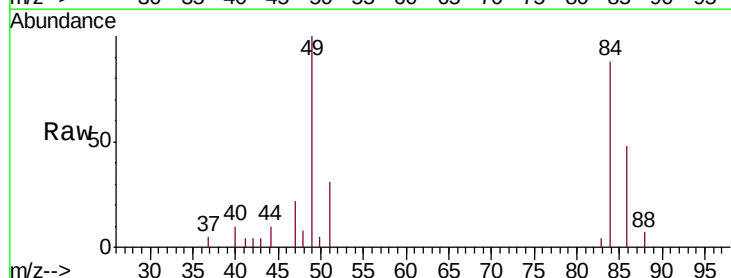
Ion Ratio Lower Upper

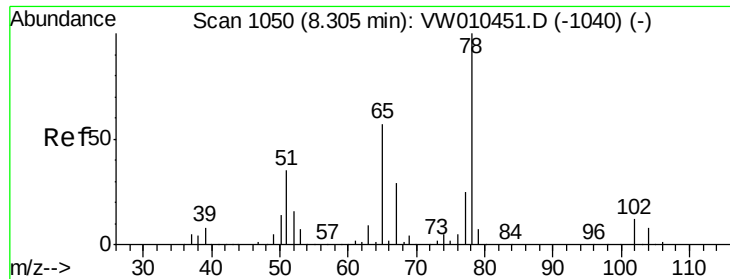
84 100

49 113.9 87.2 130.8

51 35.3 27.7 41.5

86 54.4 51.4 77.0

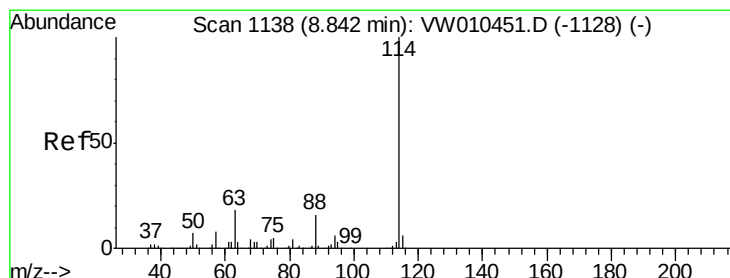
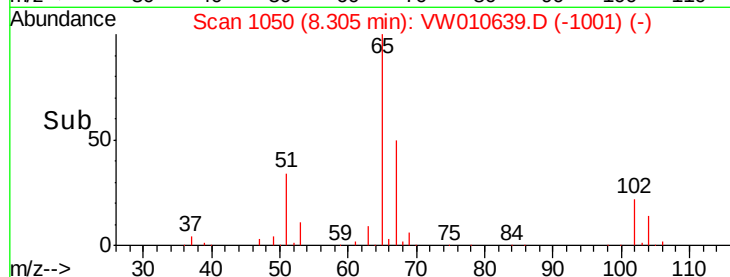
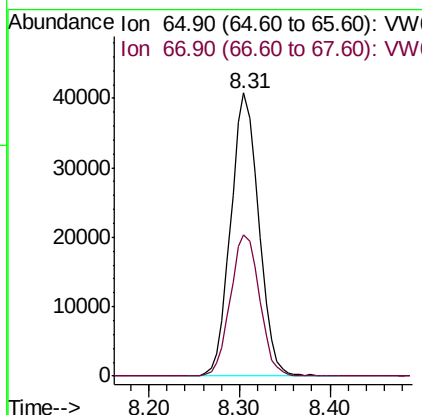
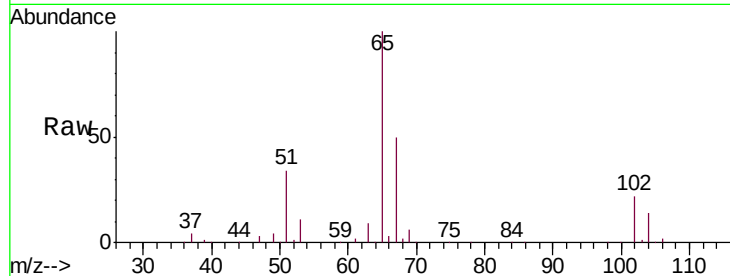




#33
 1,2-Dichloroethane-d4
 Concen: 52.593 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010639.D
 Acq: 31 May 2019 16:23

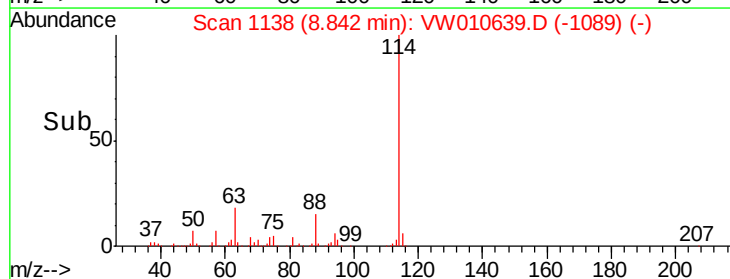
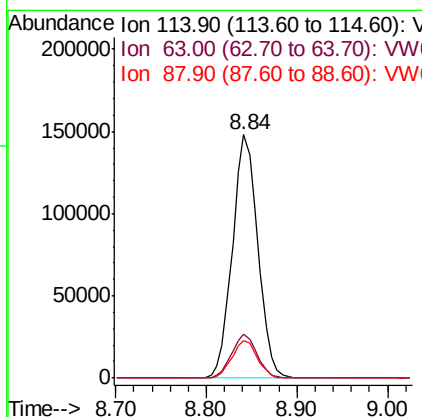
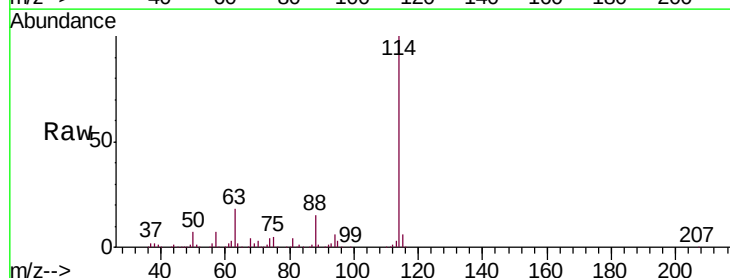
Instrument :
 MSVOA_W
 ClientSampleId :
 66-67-TRACK

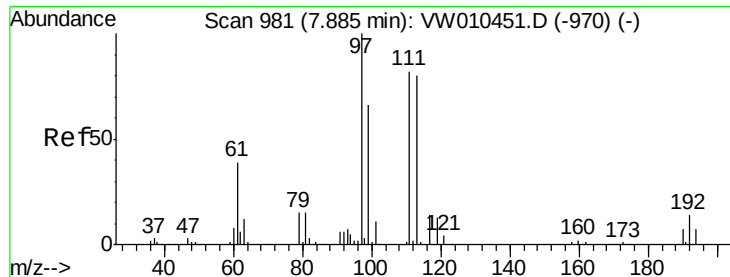
Tgt Ion: 65 Resp: 87577
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010639.D
 Acq: 31 May 2019 16:23

Tgt Ion: 114 Resp: 287858
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 36.0
 88 15.3 0.0 32.0





#35

Dibromofluoromethane

Concen: 48.504 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010639.D

Acq: 31 May 2019 16:23

Instrument :

MSVOA_W

ClientSampleId :

66-67-TRACK

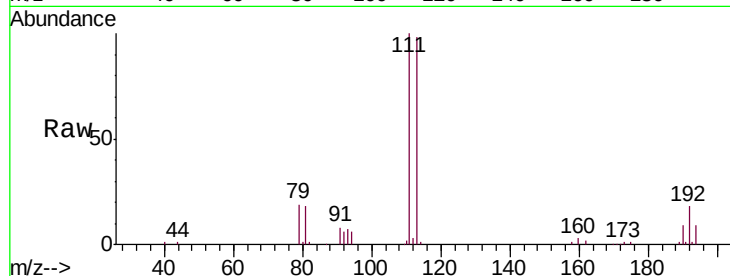
Tgt Ion:113 Resp: 84720

Ion Ratio Lower Upper

113 100

111 103.9 82.2 123.4

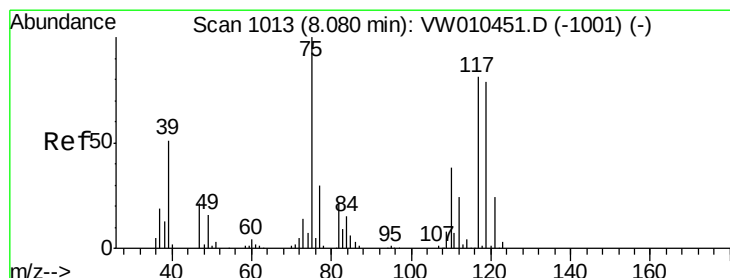
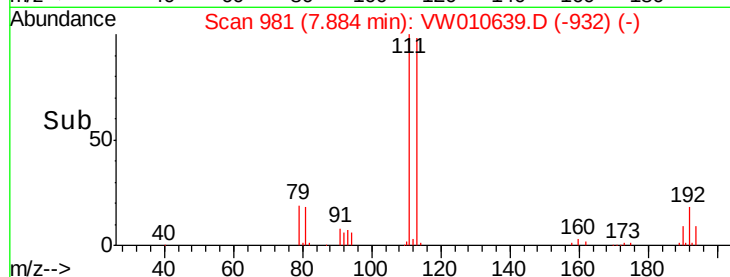
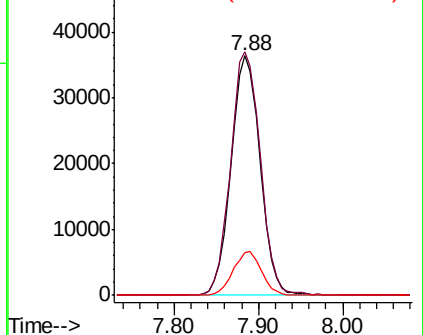
192 17.7 14.3 21.5



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.427 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW010639.D

Acq: 31 May 2019 16:23

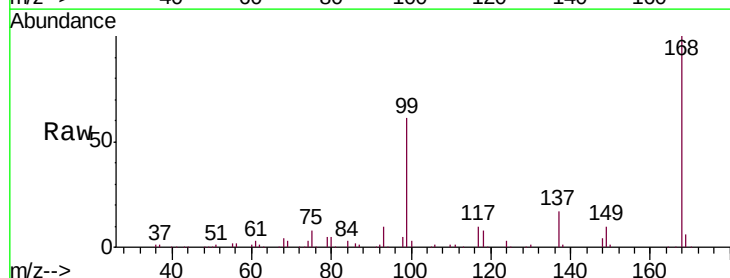
Tgt Ion: 75 Resp: 11871

Ion Ratio Lower Upper

75 100

110 9.6 19.2 57.6#

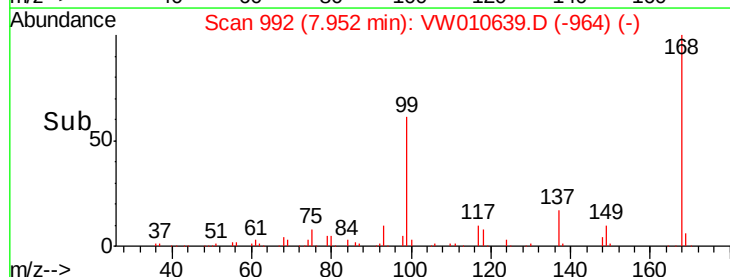
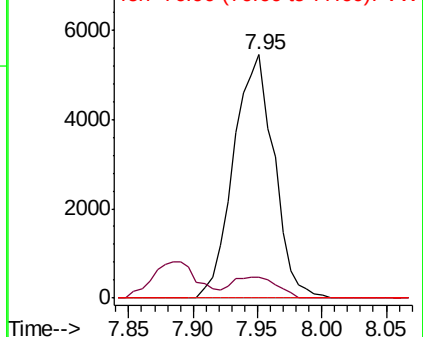
77 0.0 25.2 37.8#

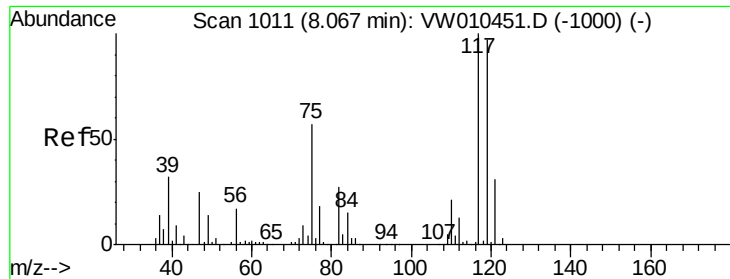


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

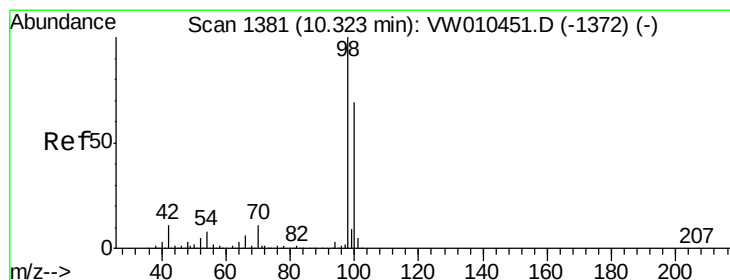
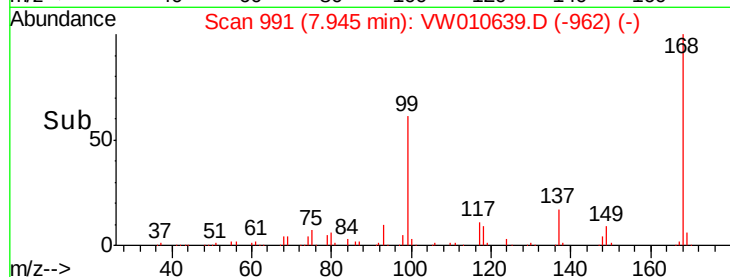
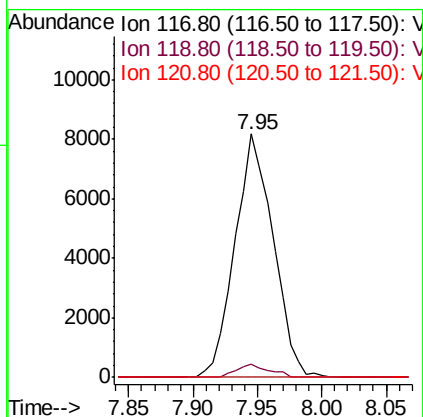
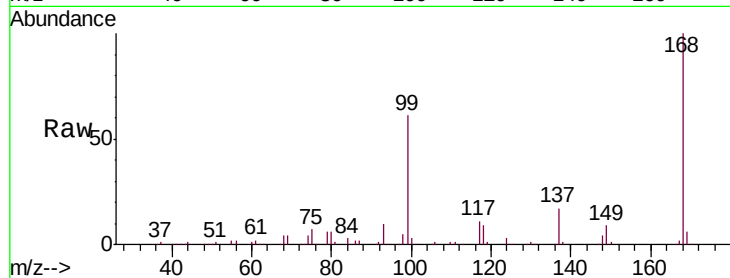




#38
Carbon Tetrachloride
Concen: 5.839 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW010639.D
Acq: 31 May 2019 16:23

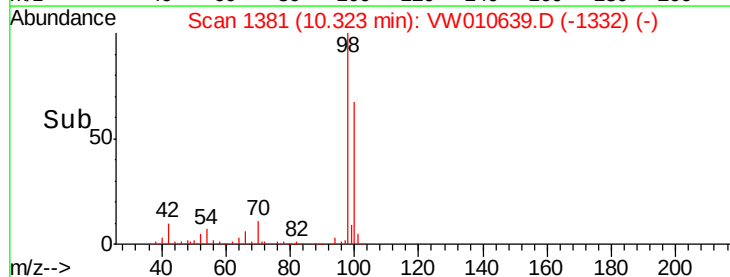
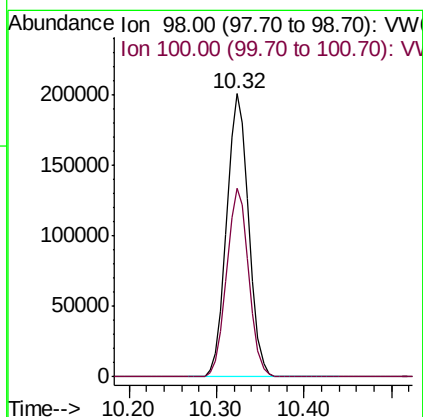
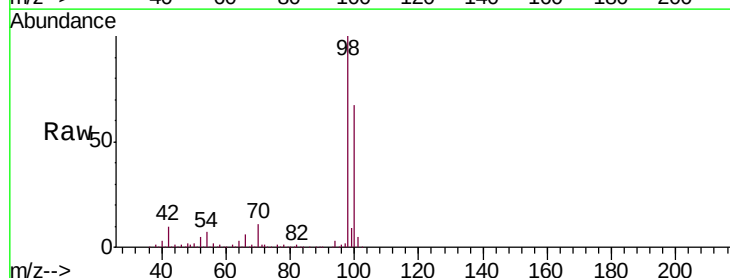
Instrument :
MSVOA_W
ClientSampleId :
66-67-TRACK

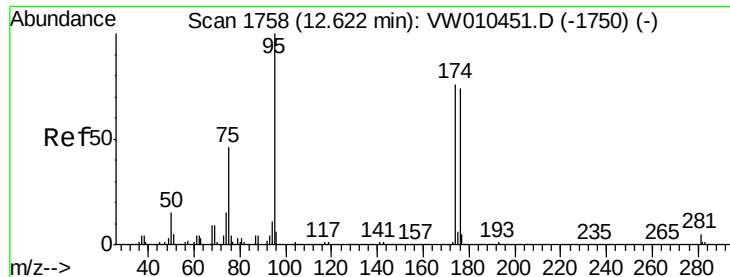
Tgt Ion: 117 Resp: 16891
Ion Ratio Lower Upper
117 100
119 5.5 77.4 116.0#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 52.417 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010639.D
Acq: 31 May 2019 16:23

Tgt Ion: 98 Resp: 349765
Ion Ratio Lower Upper
98 100
100 66.8 53.7 80.5

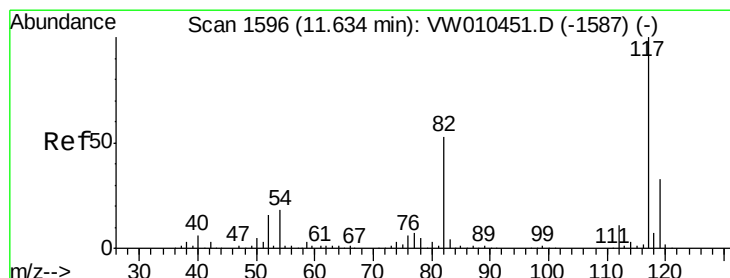
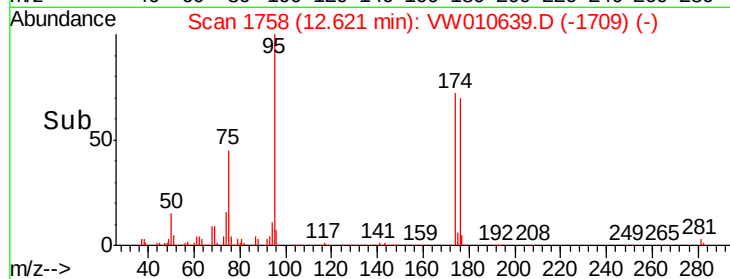
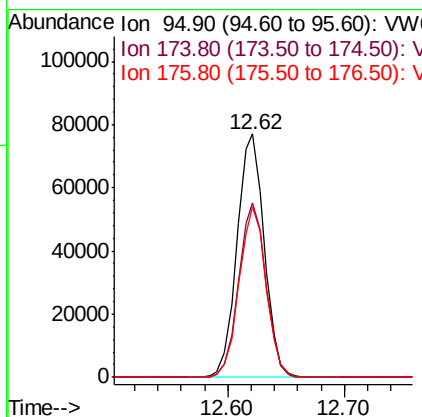
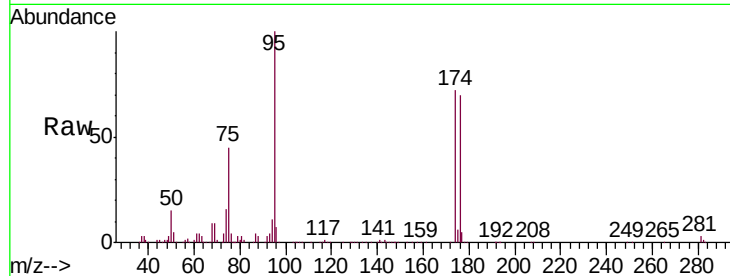




#62
4-Bromofluorobenzene
Concen: 47.199 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW010639.D
Acq: 31 May 2019 16:23

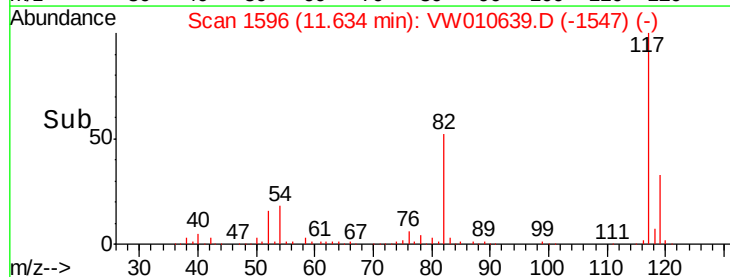
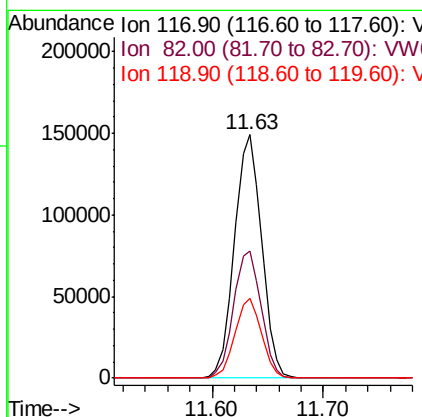
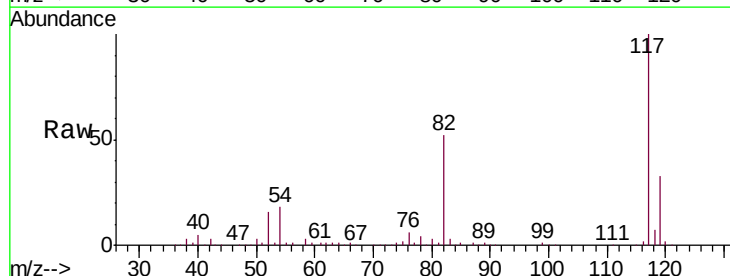
Instrument :
MSVOA_W
ClientSampleId :
66-67-TRACK

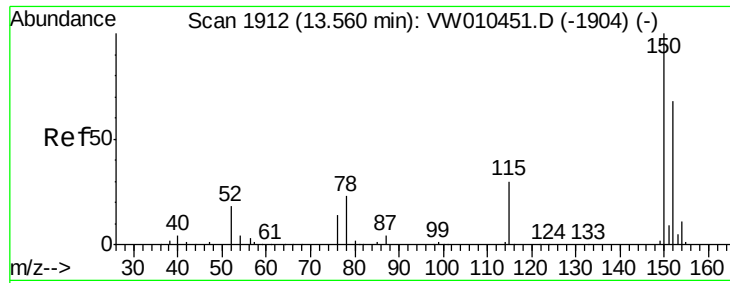
Tgt Ion	Ratio	Lower	Upper
95	100		
174	71.8	0.0	148.6
176	69.5	0.0	144.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010639.D
Acq: 31 May 2019 16:23

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.3	42.8	64.2
119	32.6	26.3	39.5



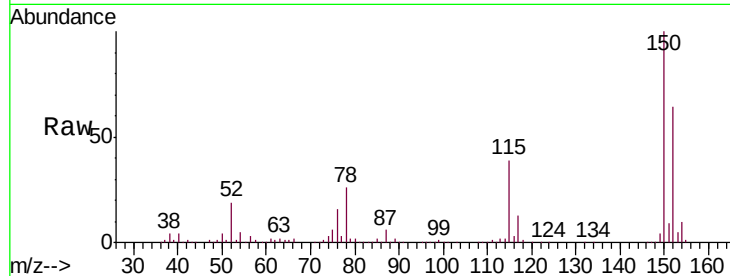


#72

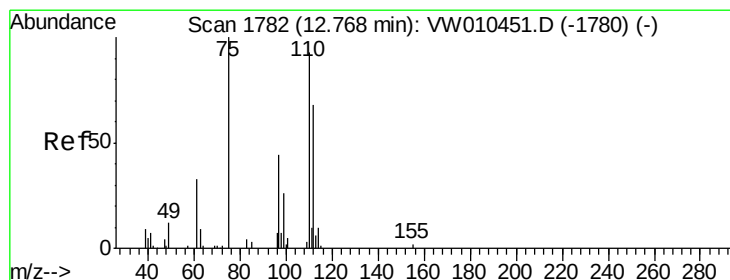
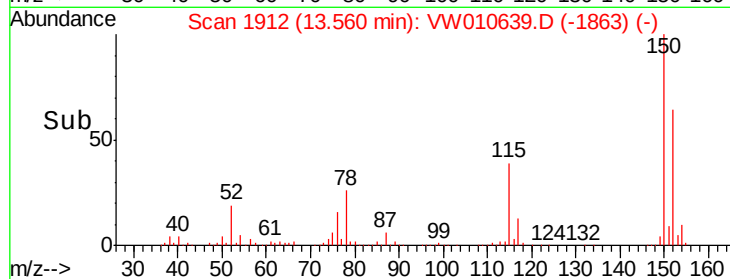
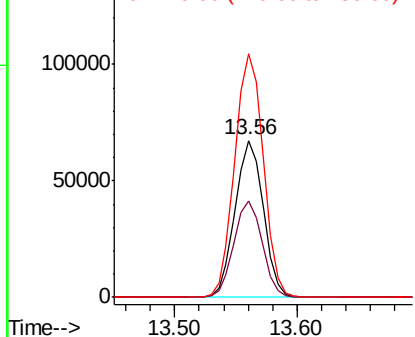
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010639.D
Acq: 31 May 2019 16:23

Instrument :
MSVOA_W
ClientSampleId :
66-67-TRACK

Tgt Ion:152 Resp: 107168
Ion Ratio Lower Upper
152 100
115 61.5 30.3 91.0
150 157.1 0.0 349.8



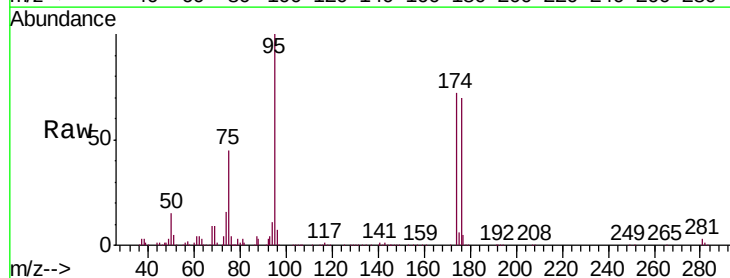
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



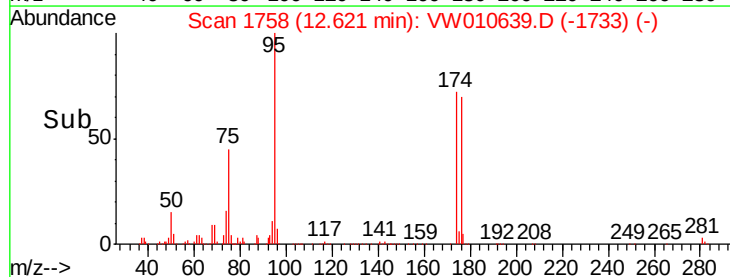
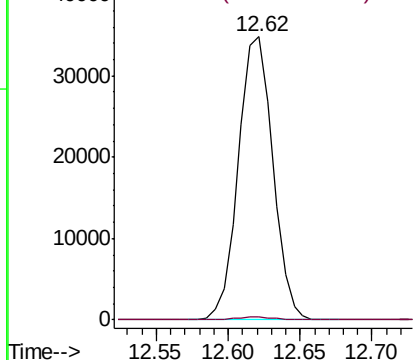
#76

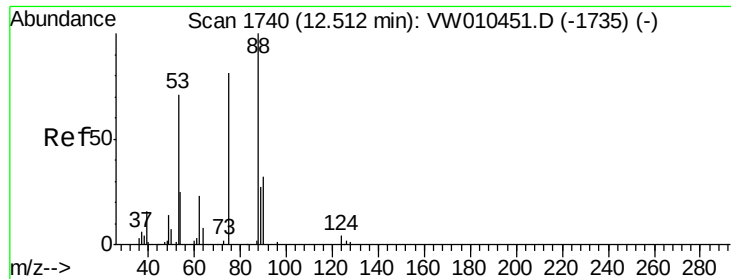
1,2,3-Trichloropropane
Concen: 53.253 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW010639.D
Acq: 31 May 2019 16:23

Tgt Ion: 75 Resp: 57930
Ion Ratio Lower Upper
75 100
77 1.1 170.0 510.1#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW

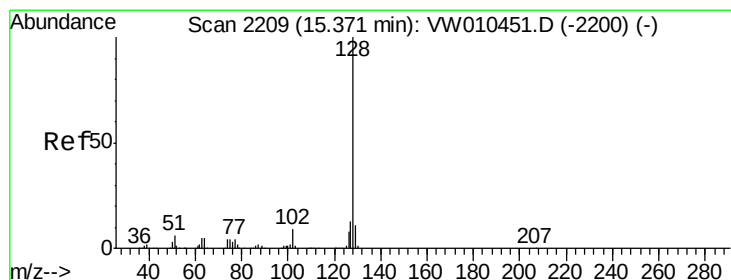
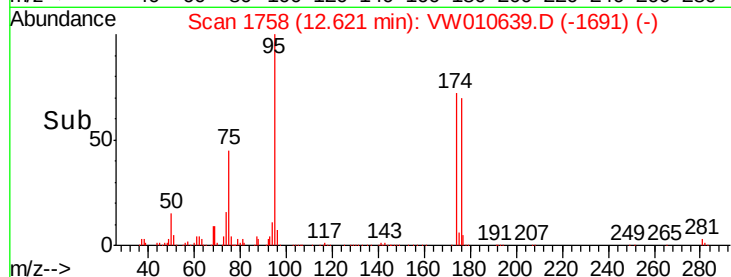
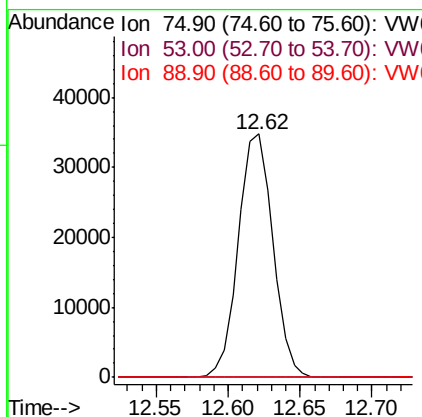
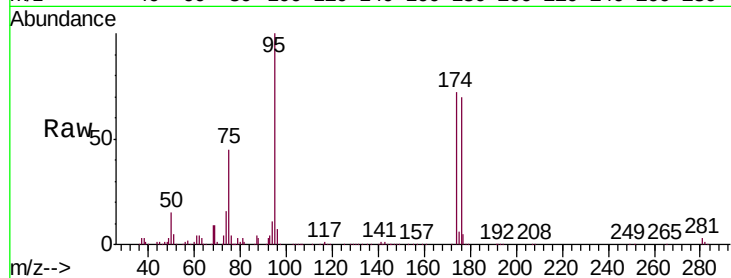




#81
trans-1,4-Dichloro-2-butene
Concen: 111.141 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.11 min
Lab File: VW010639.D
Acq: 31 May 2019 16:23

Instrument :
MSVOA_W
ClientSampleId :
66-67-TRACK

Tgt Ion: 75 Resp: 57930
Ion Ratio Lower Upper
75 100
53 0.0 69.8 104.8#
89 0.0 39.5 59.3#



#95
Naphthalene
Concen: 1.324 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010639.D
Acq: 31 May 2019 16:23

Tgt Ion: 128 Resp: 6434
Ion Ratio Lower Upper
128 100
127 12.8 10.6 15.8
129 11.5 8.9 13.3

