

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061919\
 Data File : VW010867.D
 Acq On : 20 Jun 2019 00:54
 Operator : SY/VA
 Sample : VW0619SBL02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0619SBL02

Quant Time: Jun 20 05:50:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 05 03:21:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	227089	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	396671	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	355551	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	165214	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	155507	58.10	ug/l	0.00
Spiked Amount			Recovery	=	116.20%	
35) Dibromofluoromethane	7.88	113	110188	51.18	ug/l	0.00
Spiked Amount			Recovery	=	102.36%	
50) Toluene-d8	10.32	98	464006	49.15	ug/l	0.00
Spiked Amount			Recovery	=	98.30%	
62) 4-Bromofluorobenzene	12.62	95	171920	50.04	ug/l	0.00
Spiked Amount			Recovery	=	100.08%	

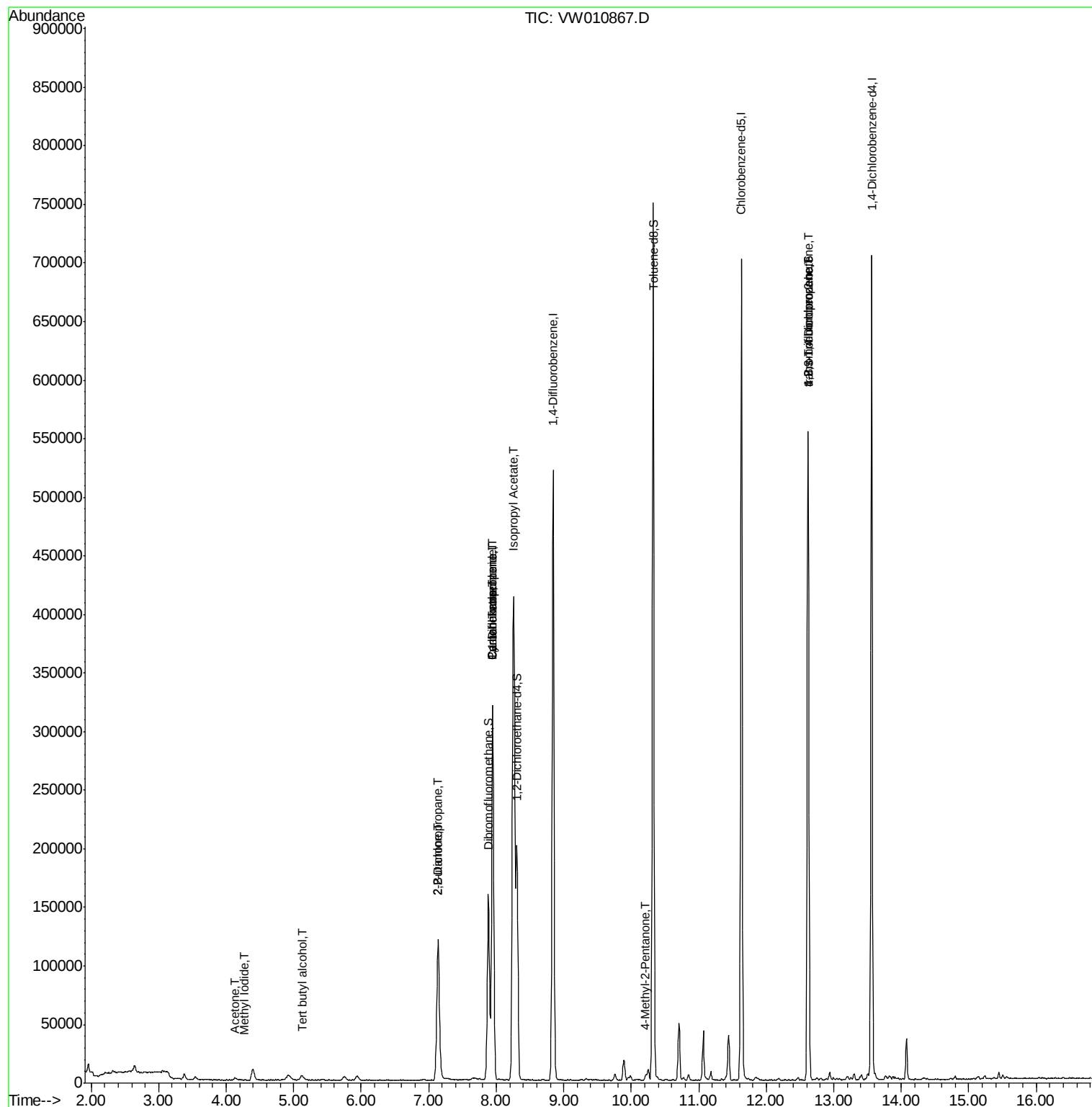
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.28	142	168	4.863	ug/l #	56
11) Tert butyl alcohol	5.13	59	4013	18.403	ug/l #	72
16) Acetone	4.13	43	4109	5.729	ug/l	96
25) 2-Butanone	7.14	43	7520	7.562	ug/l #	71
26) 2,2-Dichloropropane	7.14	77	7662	1.938	ug/l #	55
31) Cyclohexane	7.95	56	6342	1.174	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	21165	5.213	ug/l #	51
38) Carbon Tetrachloride	7.95	117	23709	6.764	ug/l #	17
43) Isopropyl Acetate	8.26	43	14190	3.264	ug/l #	50
51) 4-Methyl-2-Pentanone	10.21	43	2957	1.332	ug/l	90
76) 1,2,3-Trichloropropane	12.62	75	95013	54.763	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	95013	125.864	ug/l #	5

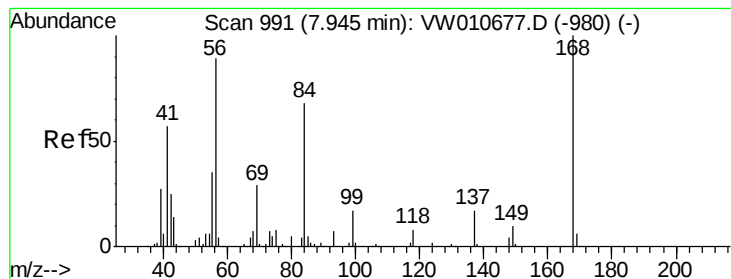
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW061919\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW010867.D

Acq: 20 Jun 2019 00:54

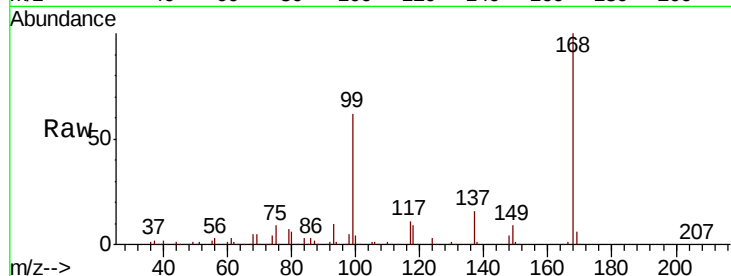
Instrument :
MSVOA_W
ClientSampleId :
VW0619SBL02

Tot Ion:168 Resp: 227089

Ion Ratio Lower Upper

168 100

99 61.9 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

60000

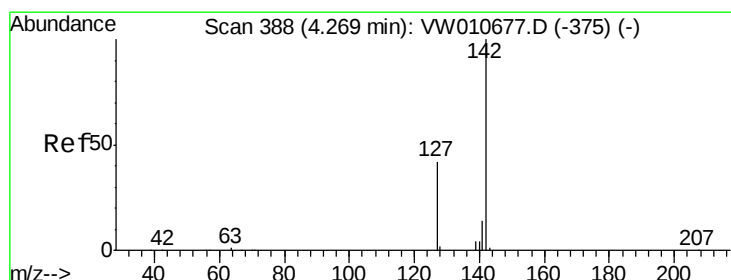
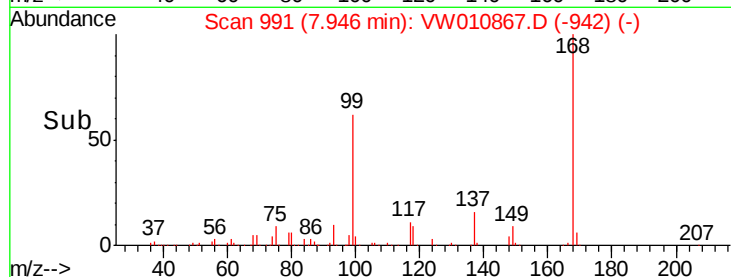
40000

20000

0

Time-->

7.85 7.90 7.95 8.00 8.05



#10

Methyl Iodide

Concen: 4.863 ug/l

RT: 4.28 min Scan# 389

Delta R.T. 0.01 min

Lab File: VW010867.D

Acq: 20 Jun 2019 00:54

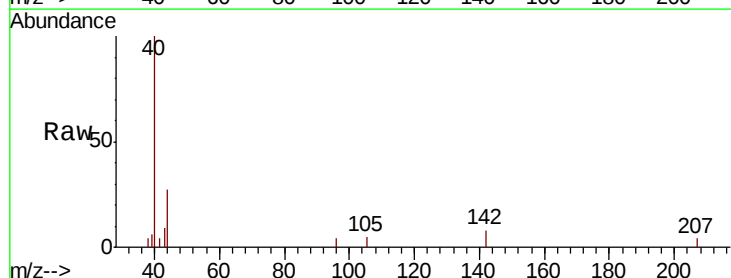
Tgt Ion:142 Resp: 168

Ion Ratio Lower Upper

142 100

127 13.1 34.6 51.8#

141 0.0 11.6 17.4#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

4.28

150

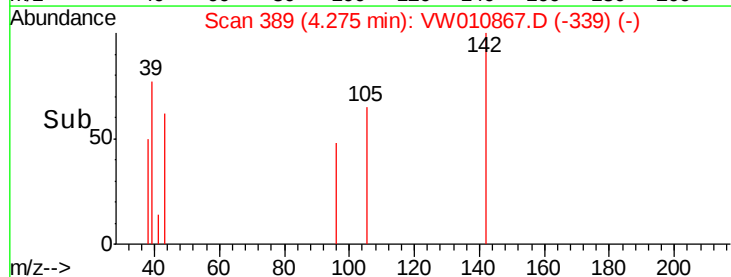
100

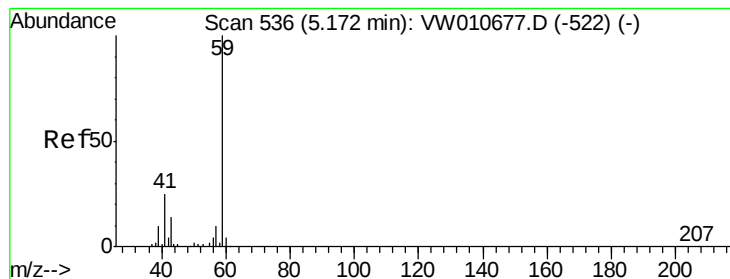
50

0

Time-->

4.25 4.30



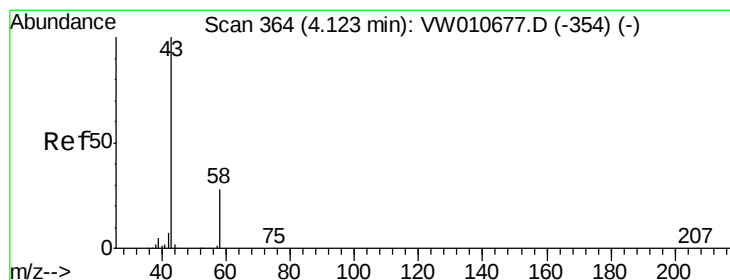
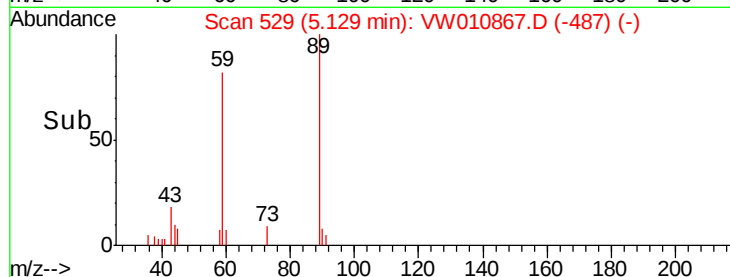
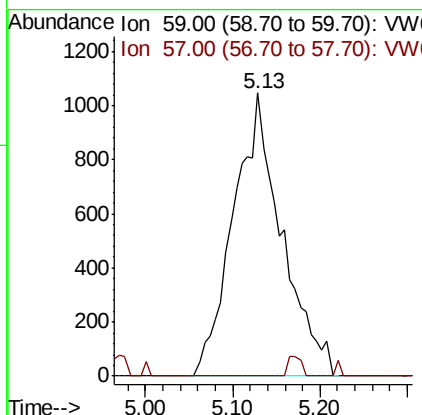
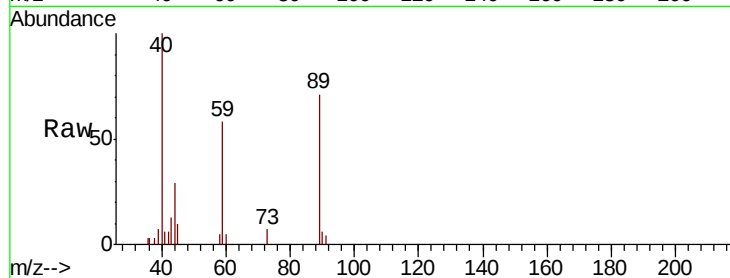


#11

Tert butyl alcohol
 Concen: 18.403 ug/l
 RT: 5.13 min Scan# 529
 Delta R.T. -0.04 min
 Lab File: VW010867.D
 Acq: 20 Jun 2019 00:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0619SBL02

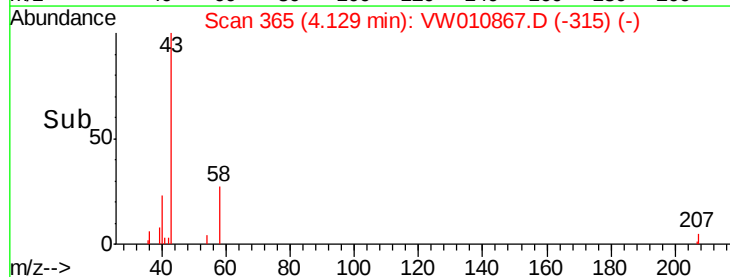
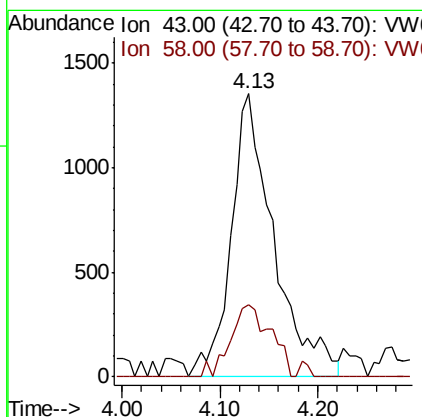
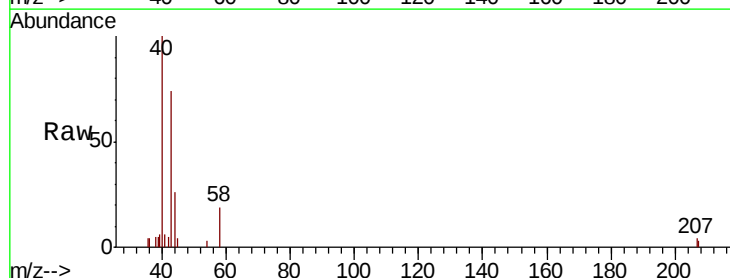
Tot Ion: 59 Resp: 4013
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.6 12.8#

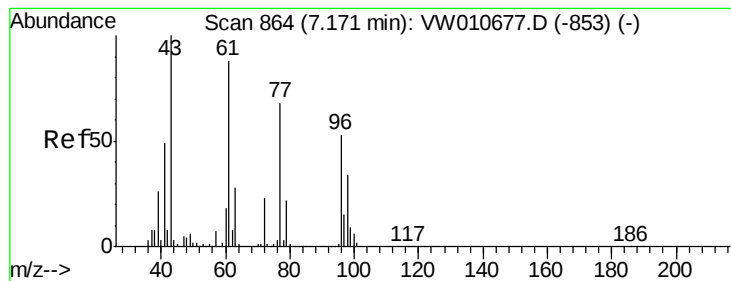


#16

Acetone
 Concen: 5.729 ug/l
 RT: 4.13 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VW010867.D
 Acq: 20 Jun 2019 00:54

Tgt Ion: 43 Resp: 4109
 Ion Ratio Lower Upper
 43 100
 58 25.3 22.1 33.1





#25

2-Butanone

Concen: 7.562 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW010867.D

Acq: 20 Jun 2019 00:54

Instrument :

MSVOA_W

ClientSampleId :

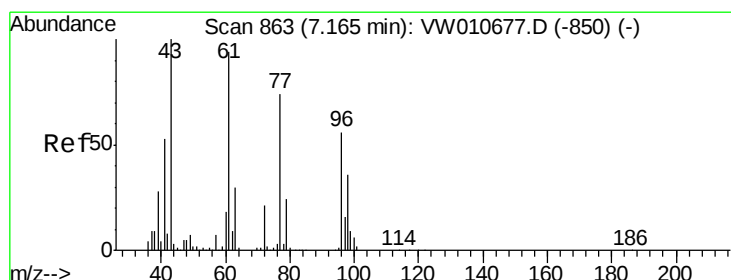
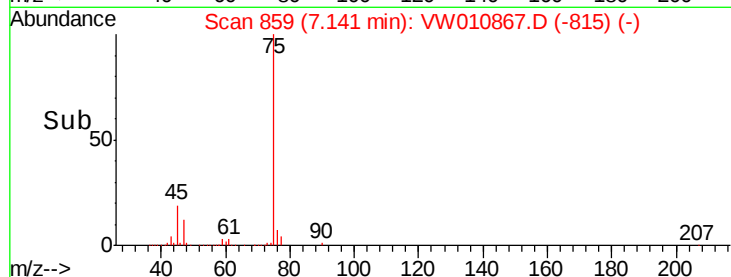
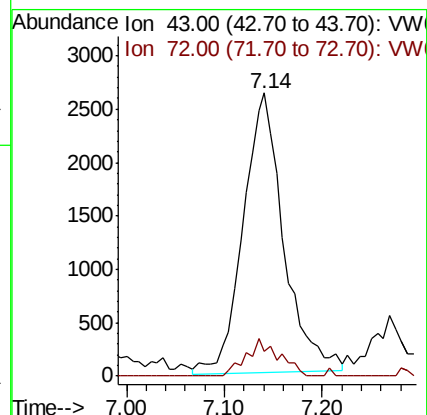
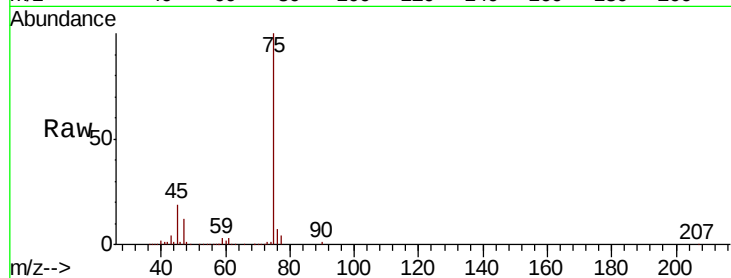
VW0619SBL02

Tot Ion: 43 Resp: 7520

Ion Ratio Lower Upper

43 100

72 8.8 18.1 27.1#



#26

2,2-Dichloropropane

Concen: 1.938 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW010867.D

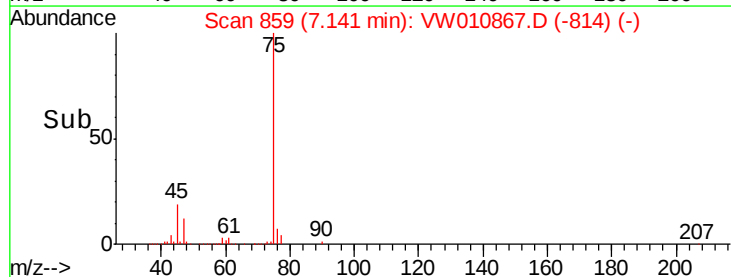
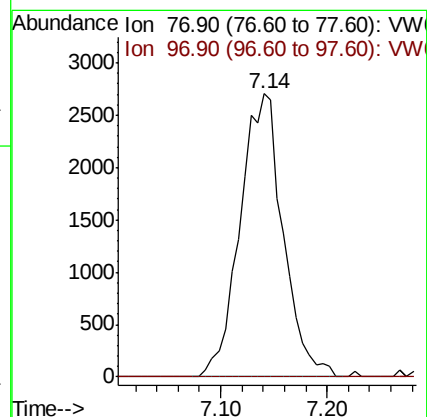
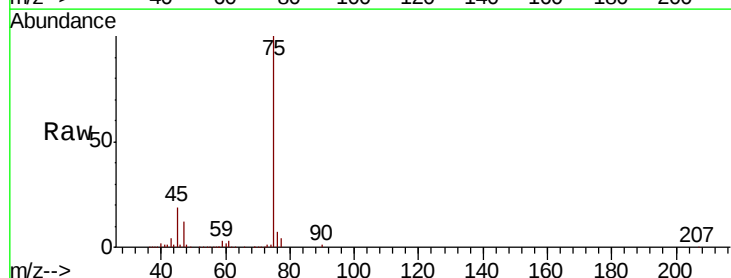
Acq: 20 Jun 2019 00:54

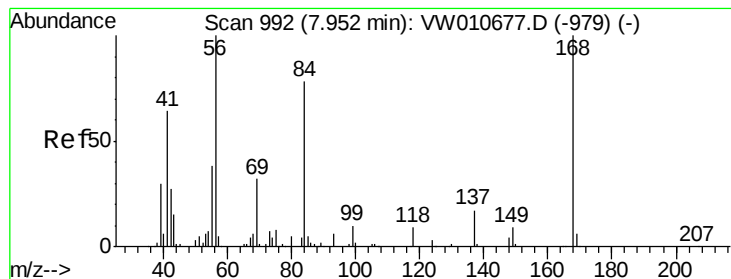
Tgt Ion: 77 Resp: 7662

Ion Ratio Lower Upper

77 100

97 0.0 10.5 31.6#





#31

Cyclohexane

Concen: 1.174 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

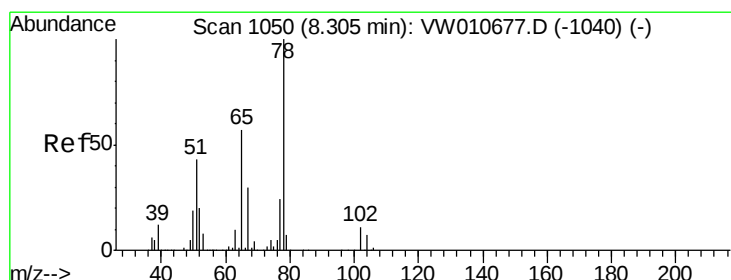
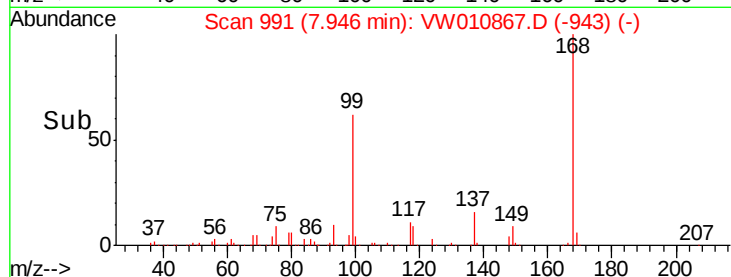
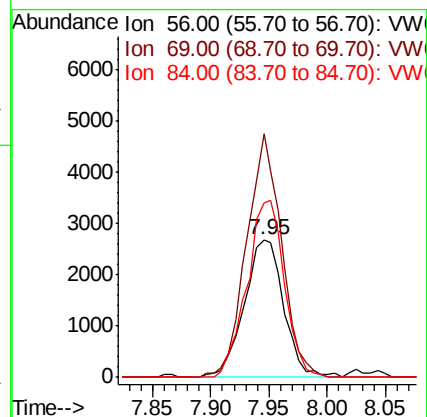
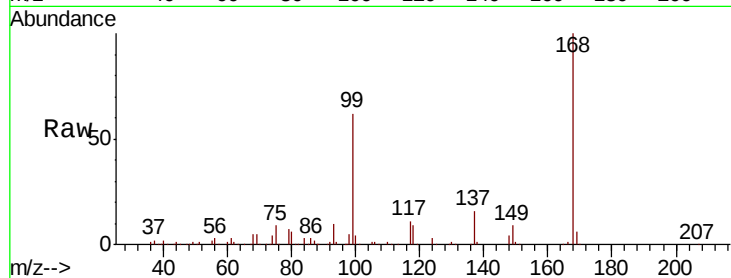
Lab File: VW010867.D

Acq: 20 Jun 2019 00:54

Instrument :
MSVOA_W
ClientSampleId :
VW0619SBL02

Tot Ion: 56 Resp: 6342

Ion	Ratio	Lower	Upper
56	100		
69	176.9	25.2	37.8#
84	126.9	62.2	93.2#



#33

1,2-Dichloroethane-d4

Concen: 58.098 ug/l

RT: 8.31 min Scan# 1050

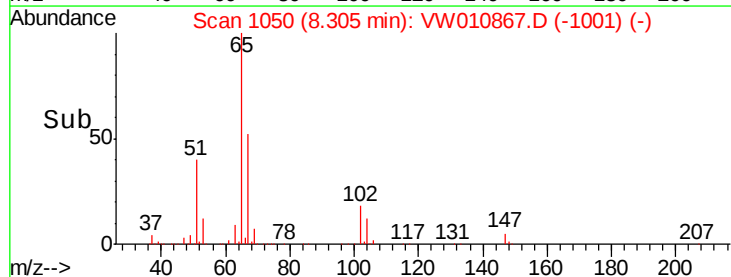
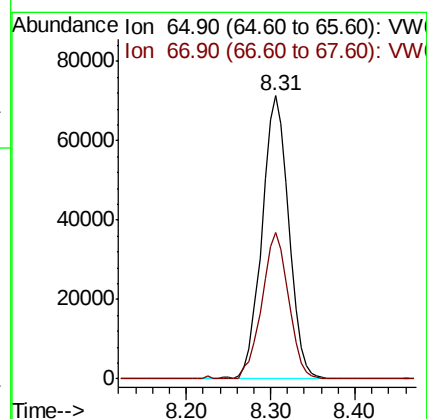
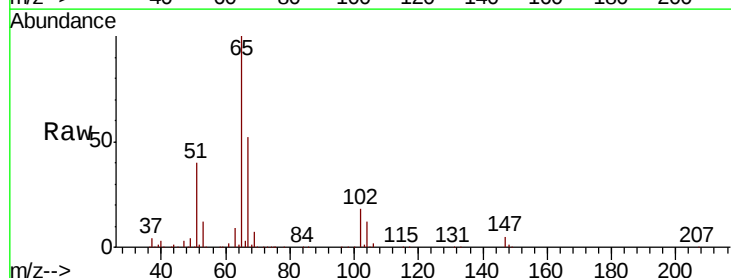
Delta R.T. 0.00 min

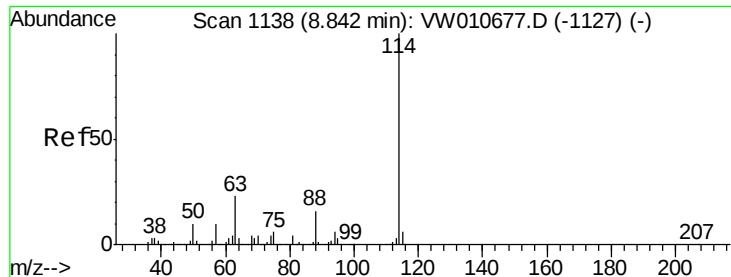
Lab File: VW010867.D

Acq: 20 Jun 2019 00:54

Tgt Ion: 65 Resp: 155507

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	102.6

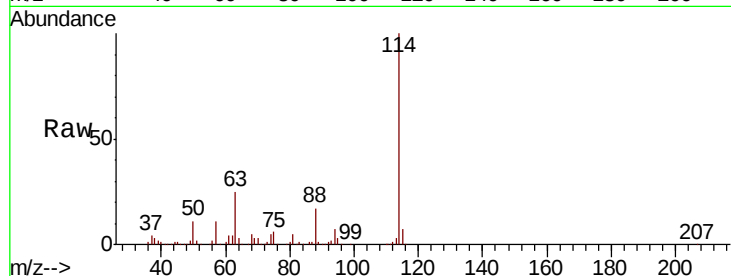




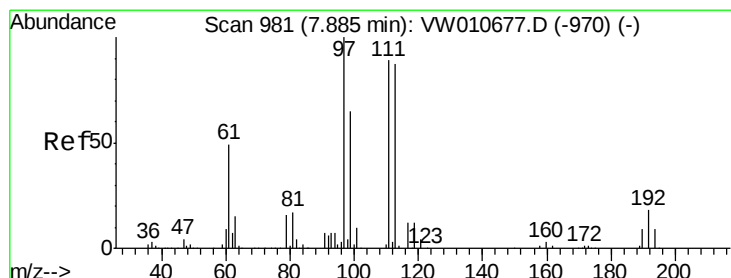
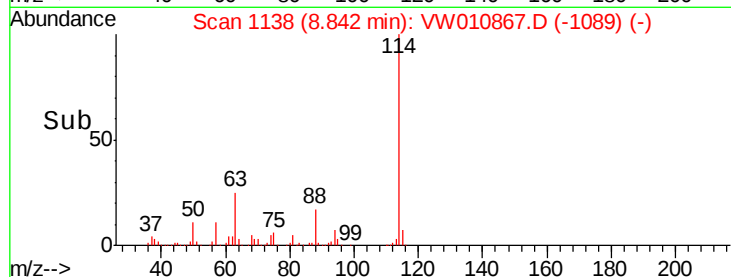
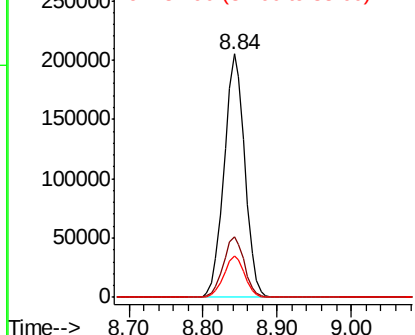
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW010867.D
 Acq: 20 Jun 2019 00:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0619SBL02

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.9	0.0	46.4
88	16.9	0.0	32.2

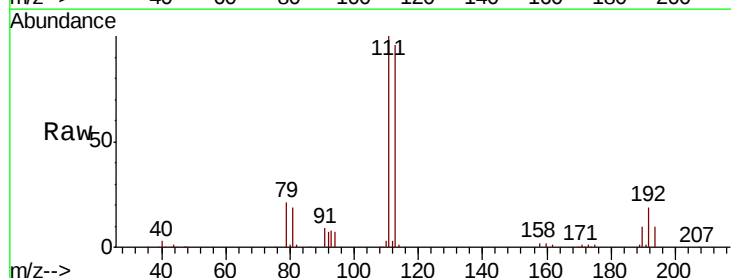


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

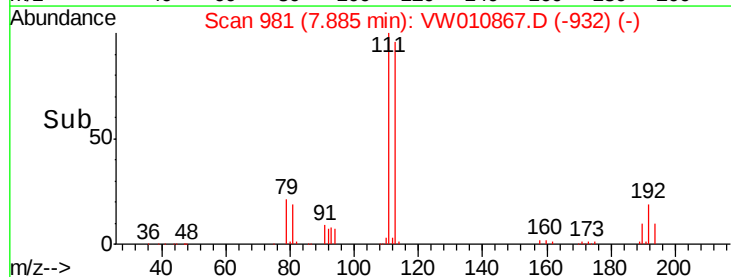
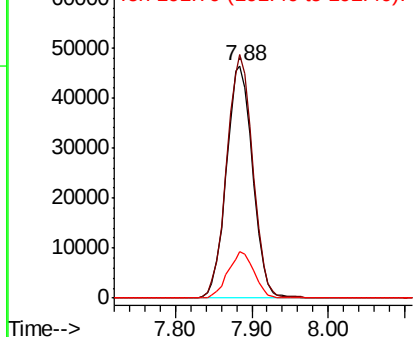


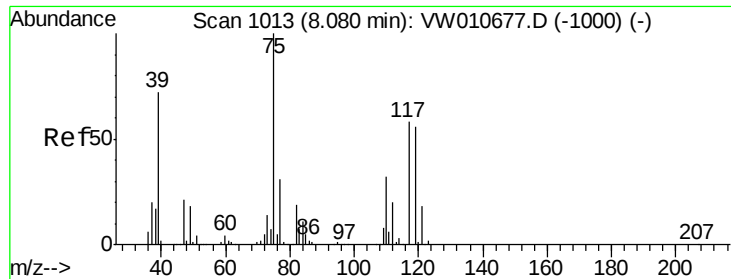
#35
 Dibromofluoromethane
 Concen: 51.178 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW010867.D
 Acq: 20 Jun 2019 00:54

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.6	123.8
192	19.7	16.4	24.6



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: 5.213 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW010867.D

Acq: 20 Jun 2019 00:54

Instrument :

MSVOA_W

ClientSampleId :

VW0619SBL02

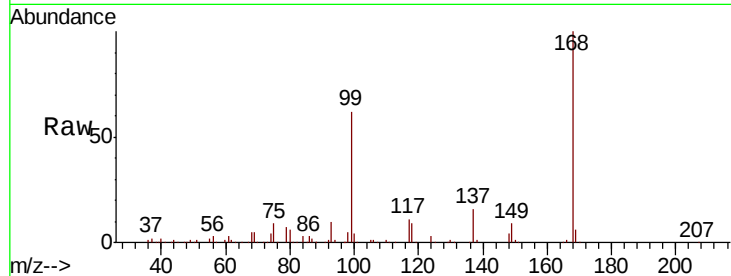
Tot Ion: 75 Resp: 21165

Ion Ratio Lower Upper

75 100

110 8.2 15.8 47.3#

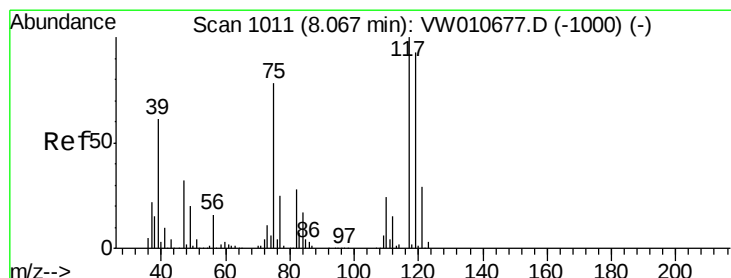
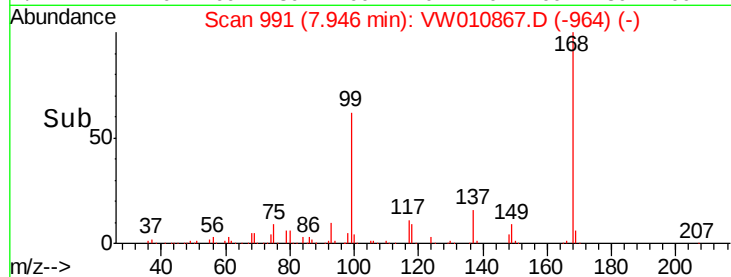
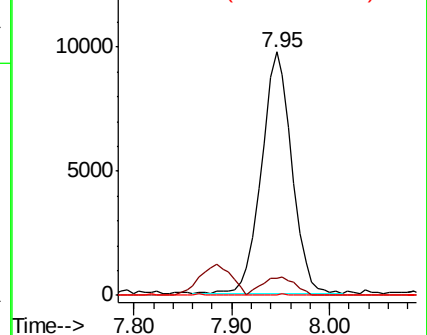
77 0.1 24.7 37.1#



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: 6.764 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW010867.D

Acq: 20 Jun 2019 00:54

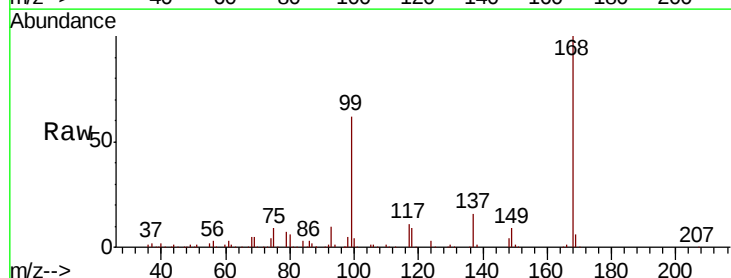
Tgt Ion: 117 Resp: 23709

Ion Ratio Lower Upper

117 100

119 4.2 74.2 111.4#

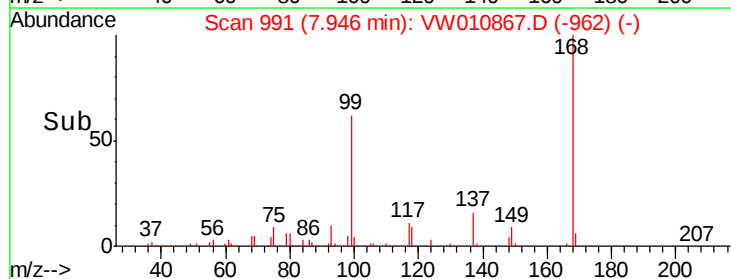
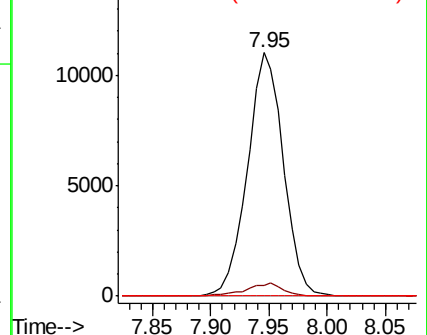
121 0.0 22.9 34.3#

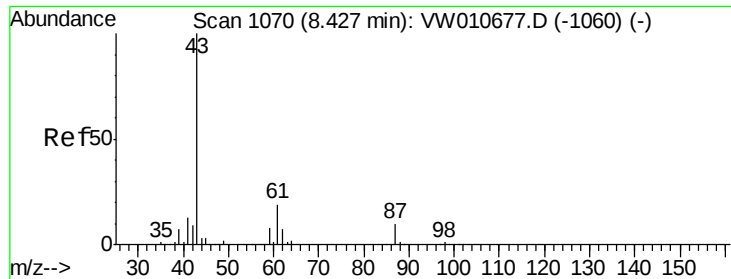


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#43

Isopropyl Acetate

Concen: 3.264 ug/l

RT: 8.26 min Scan# 1042

Delta R.T. -0.17 min

Lab File: VW010867.D

Acq: 20 Jun 2019 00:54

Instrument :

MSVOA_W

ClientSampleId :

VW0619SBL02

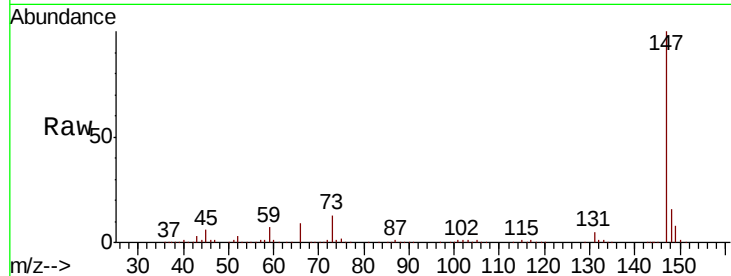
Tot Ion: 43 Resp: 14190

Ion Ratio Lower Upper

43 100

61 16.9 21.2 31.8#

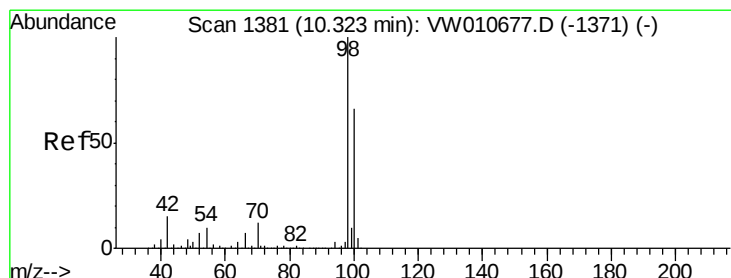
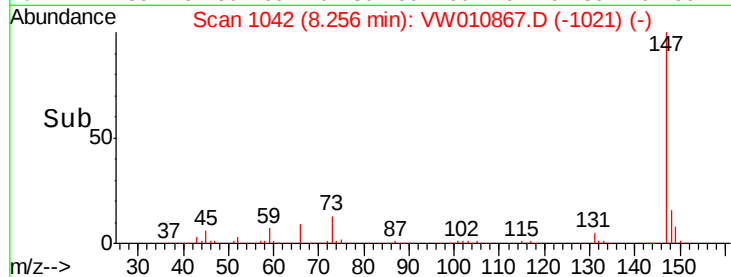
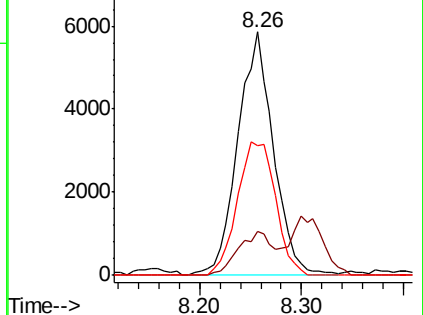
87 58.8 8.3 12.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#50

Toluene-d8

Concen: 49.146 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW010867.D

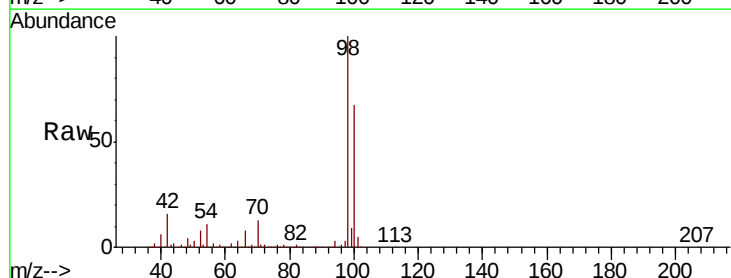
Acq: 20 Jun 2019 00:54

Tgt Ion: 98 Resp: 464006

Ion Ratio Lower Upper

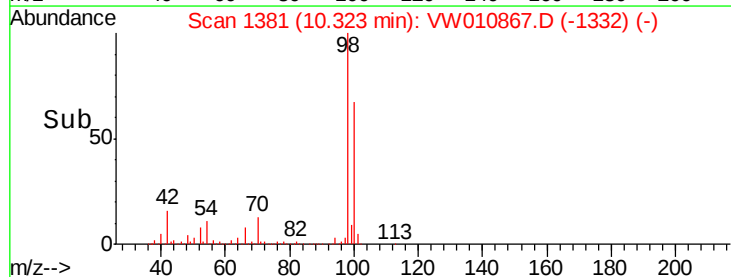
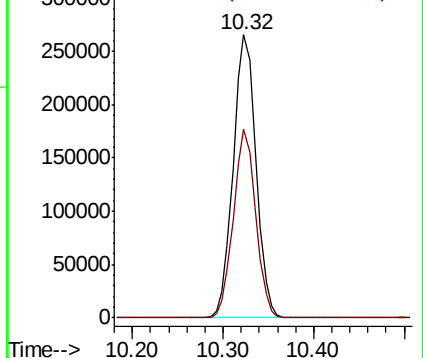
98 100

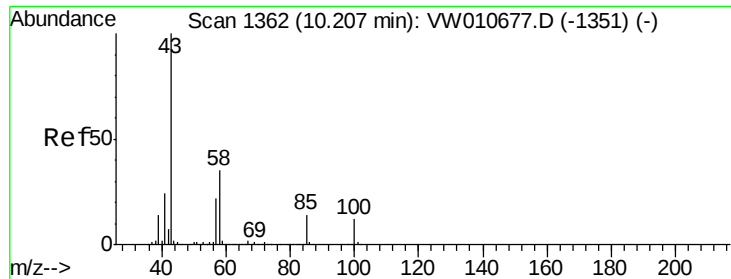
100 65.4 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 1.332 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW010867.D

Acq: 20 Jun 2019 00:54

Instrument :

MSVOA_W

ClientSampleId :

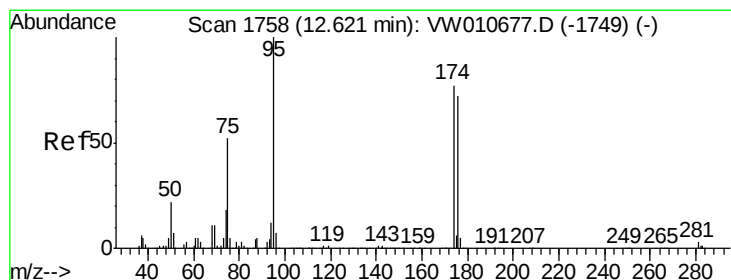
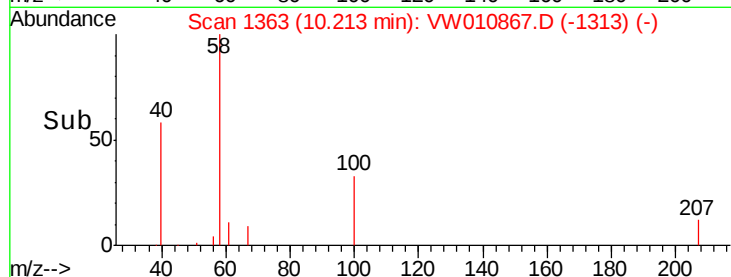
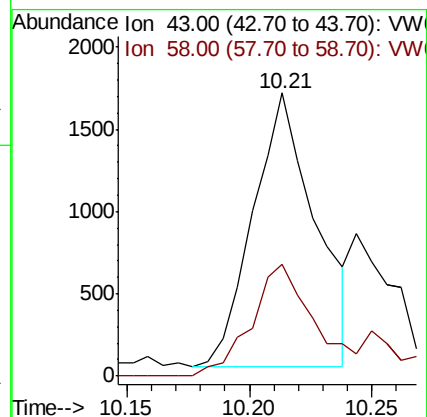
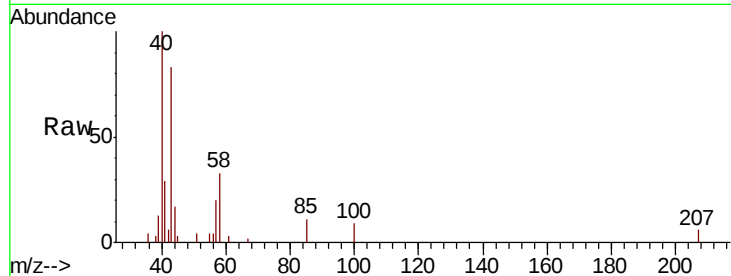
VW0619SBL02

Tot Ion: 43 Resp: 2957

Ion Ratio Lower Upper

43 100

58 41.1 28.4 42.6



#62

4-Bromofluorobenzene

Concen: 50.041 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW010867.D

Acq: 20 Jun 2019 00:54

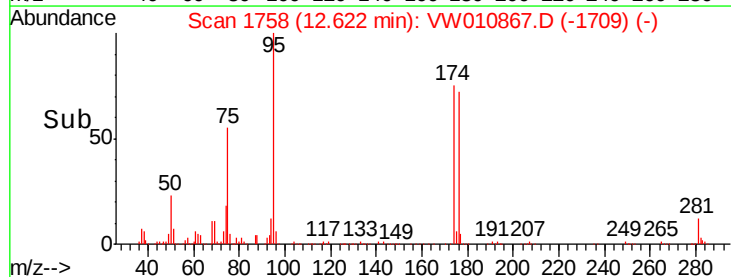
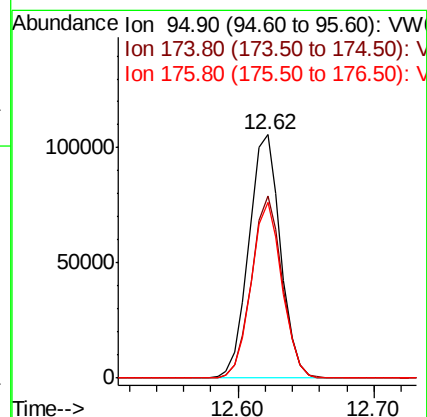
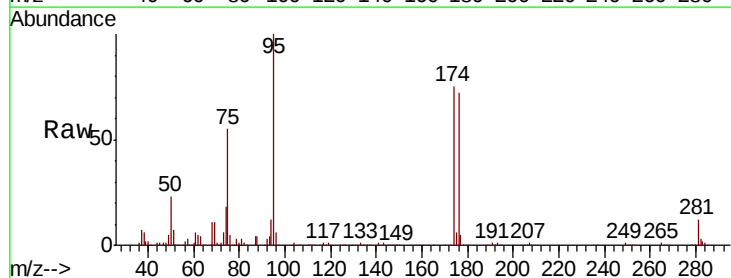
Tgt Ion: 95 Resp: 171920

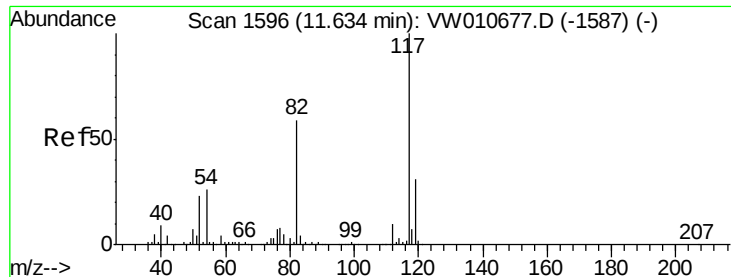
Ion Ratio Lower Upper

95 100

174 73.2 0.0 150.4

176 70.7 0.0 144.8

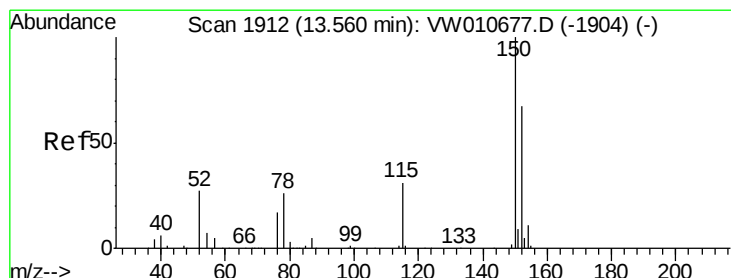
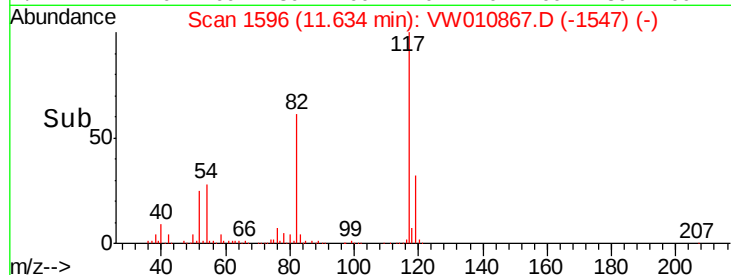
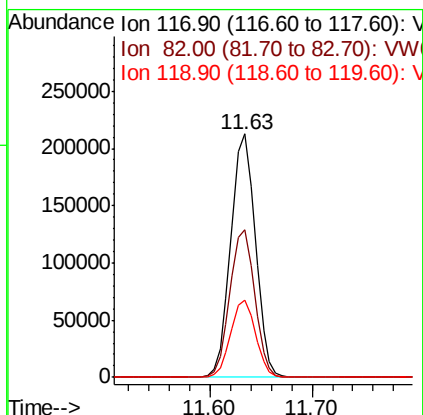
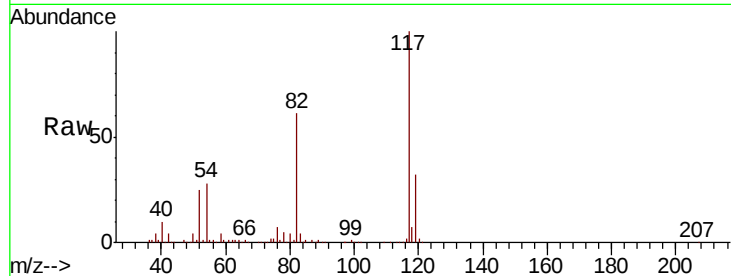




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010867.D
Acq: 20 Jun 2019 00:54

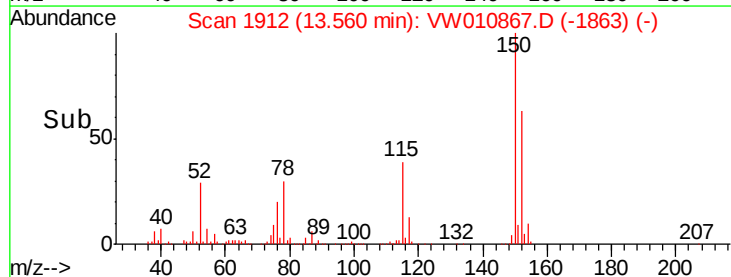
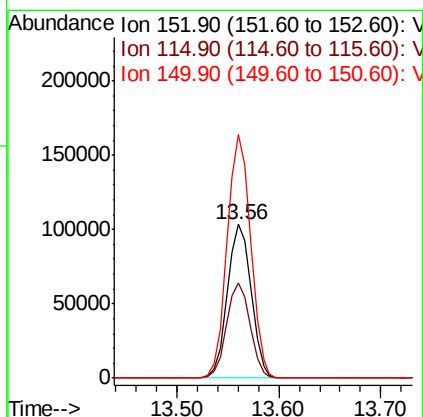
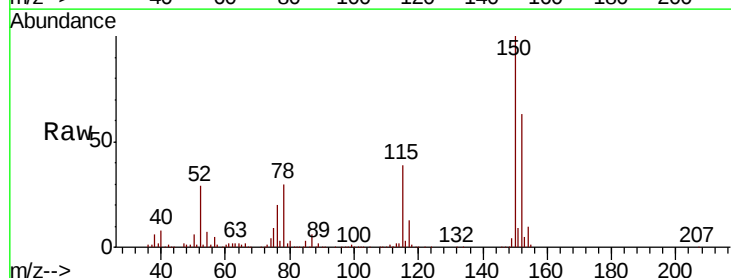
Instrument :
MSVOA_W
ClientSampleId :
VW0619SBL02

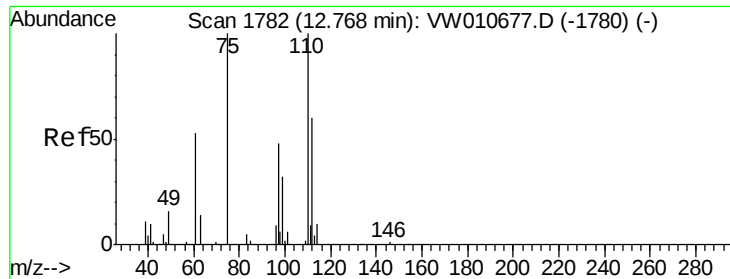
Tot Ion:117 Resp: 355551
Ion Ratio Lower Upper
117 100
82 60.9 47.0 70.4
119 31.5 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW010867.D
Acq: 20 Jun 2019 00:54

Tgt Ion:152 Resp: 165214
Ion Ratio Lower Upper
152 100
115 61.8 29.8 89.3
150 157.5 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 54.763 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010867.D

Acq: 20 Jun 2019 00:54

Instrument :

MSVOA_W

ClientSampleId :

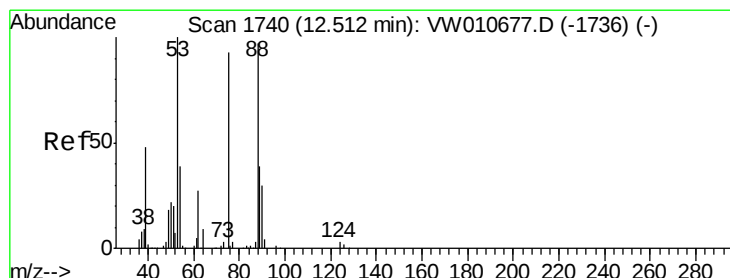
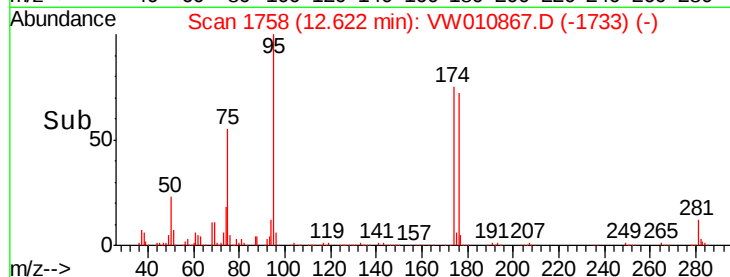
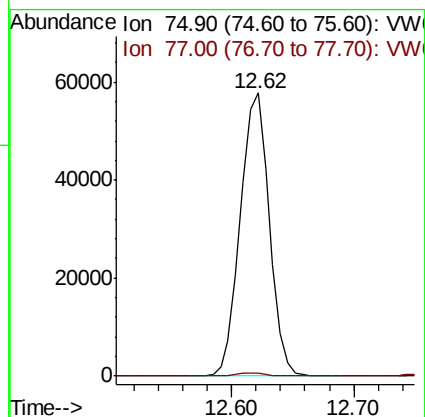
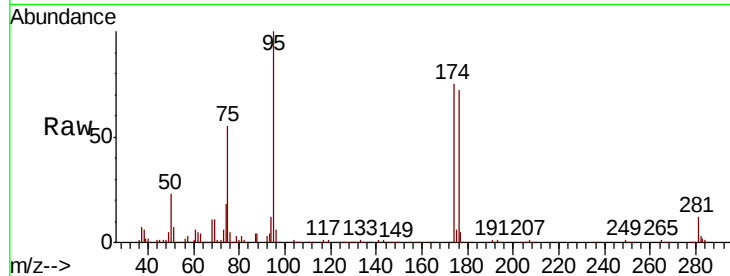
VW0619SBL02

Tot Ion: 75 Resp: 95013

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 125.864 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010867.D

Acq: 20 Jun 2019 00:54

Tgt Ion: 75 Resp: 95013

Ion Ratio Lower Upper

75 100

53 0.0 90.1 135.1#

89 0.0 34.6 52.0#

