

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061319\
 Data File : VW010800.D
 Acq On : 13 Jun 2019 16:24
 Operator : SY/VA
 Sample : K3369-04
 Misc : 6.50G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 14 07:57:49 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	184214	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	306106	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	270285	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	124201	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	97163	44.75	ug/l	0.00
Spiked Amount			Recovery	=	89.50%	
35) Dibromofluoromethane	7.88	113	71638	43.12	ug/l	0.00
Spiked Amount			Recovery	=	86.24%	
50) Toluene-d8	10.32	98	287625	39.48	ug/l	0.00
Spiked Amount			Recovery	=	78.96%	
62) 4-Bromofluorobenzene	12.62	95	115070	43.40	ug/l	0.00
Spiked Amount			Recovery	=	86.80%	

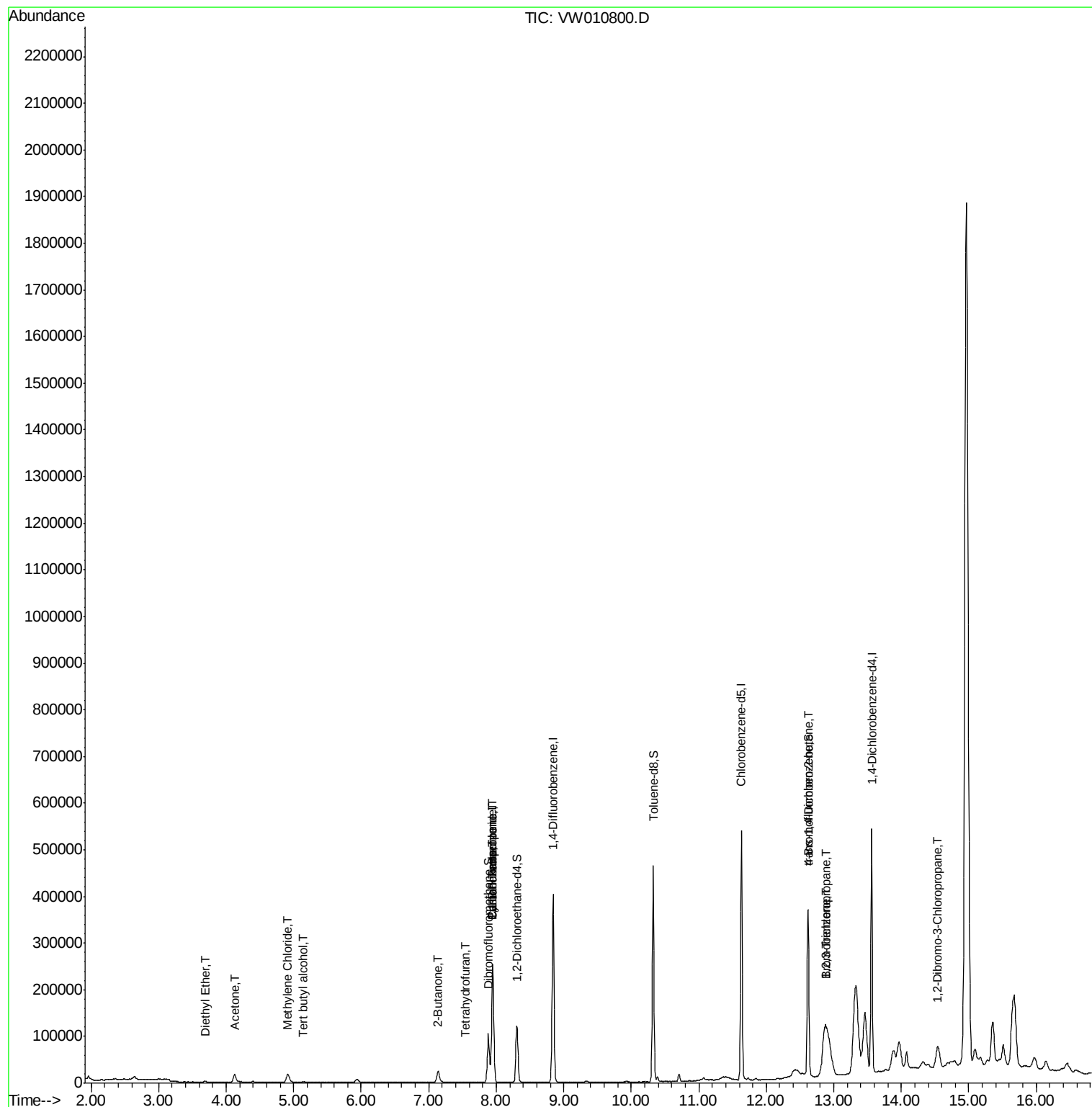
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.70	74	1219	1.136	ug/l	79
11) Tert butyl alcohol	5.13	59	802	4.534	ug/l #	72
16) Acetone	4.12	43	32155	55.269	ug/l	98
20) Methylene Chloride	4.91	84	11888	5.825	ug/l	94
25) 2-Butanone	7.14	43	1738	2.154	ug/l #	86
29) Tetrahydrofuran	7.54	42	575	1.133	ug/l #	44
31) Cyclohexane	7.95	56	5276	1.204	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	16595	5.296	ug/l #	51
38) Carbon Tetrachloride	7.95	117	18702	6.914	ug/l #	18
76) 1,2,3-Trichloropropane	12.88	75	3631	2.784	ug/l #	100
77) Bromobenzene	12.88	156	175686	86.235	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	62311	109.801	ug/l #	5
92) 1,2-Dibromo-3-Chloropropan	14.52	75	4154	13.615	ug/l #	7

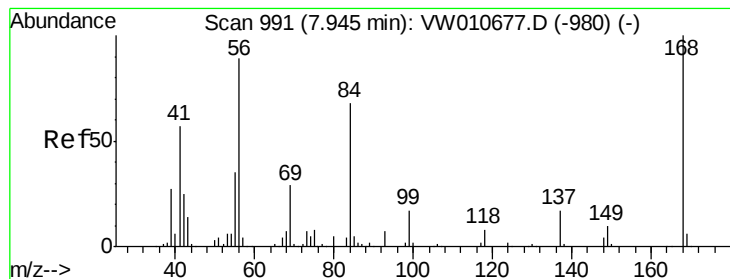
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW061319\
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Quant Title : SW846 8260
QLast Update : Wed Jun 05 03:21:19 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW010800.D

Acq: 13 Jun 2019 16:24

Instrument :

MSVOA_W

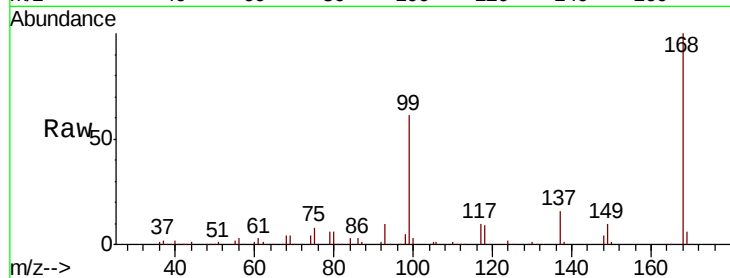
ClientSampled :

Tot Ion:168 Resp: 184214

Ion Ratio Lower Upper

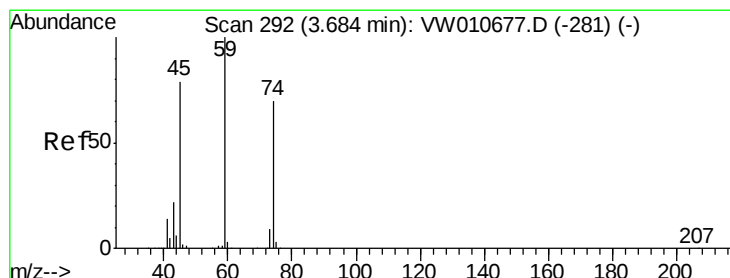
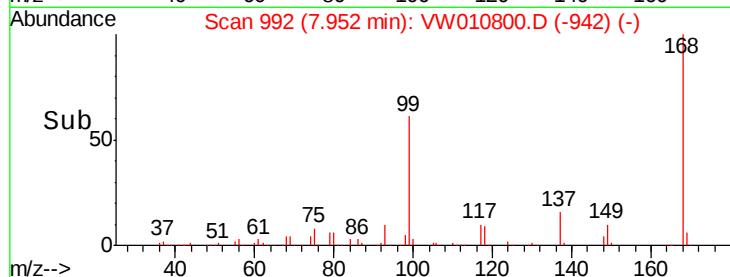
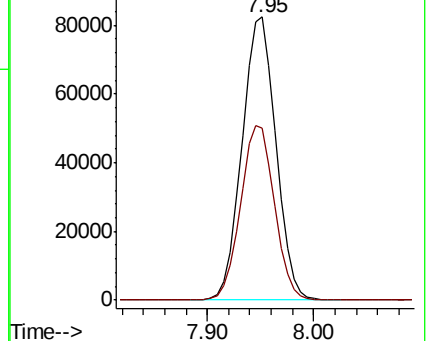
168 100

99 60.9 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.136 ug/l

RT: 3.70 min Scan# 294

Delta R.T. 0.01 min

Lab File: VW010800.D

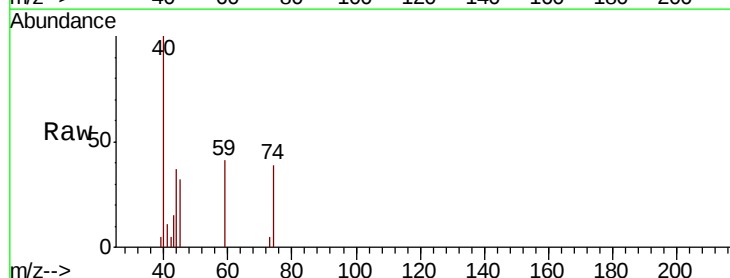
Acq: 13 Jun 2019 16:24

Tgt Ion: 74 Resp: 1219

Ion Ratio Lower Upper

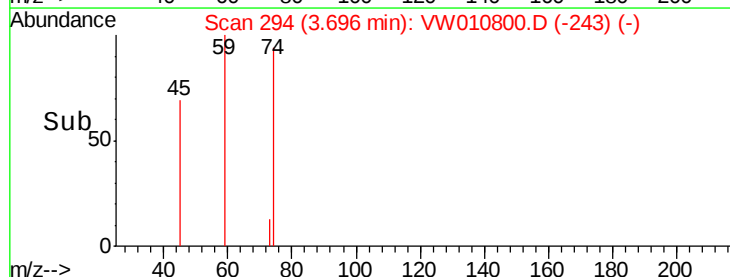
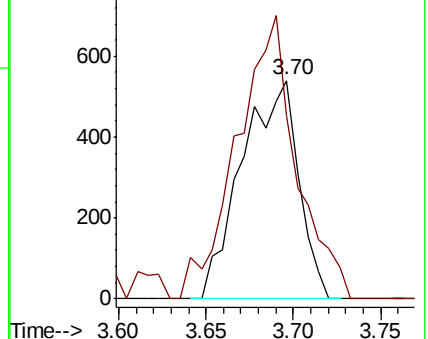
74 100

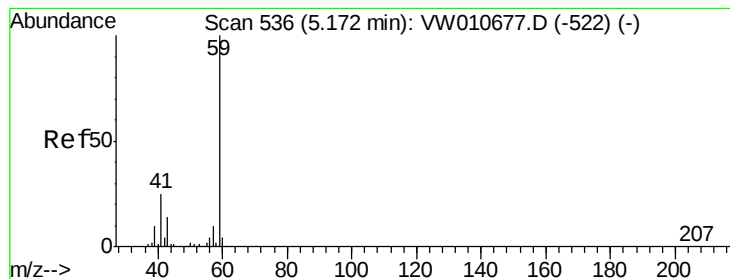
45 136.0 56.9 170.7



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



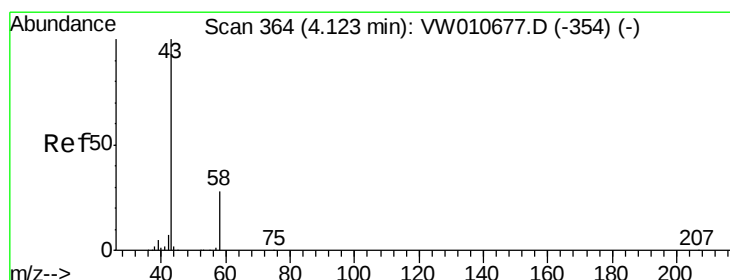
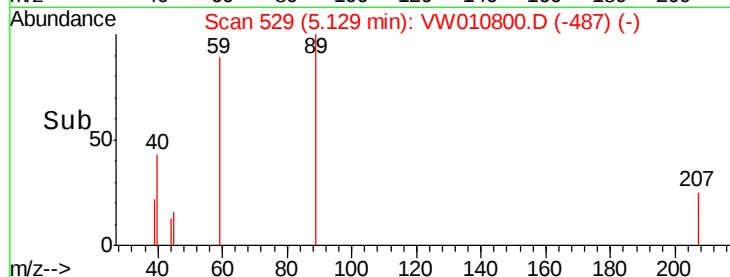
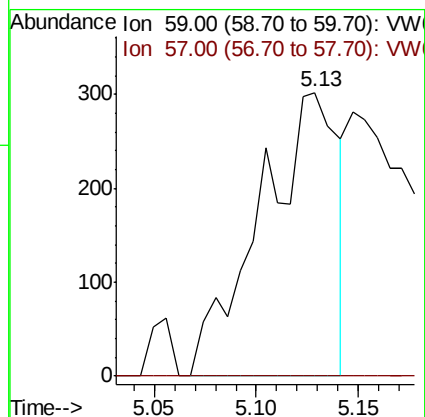
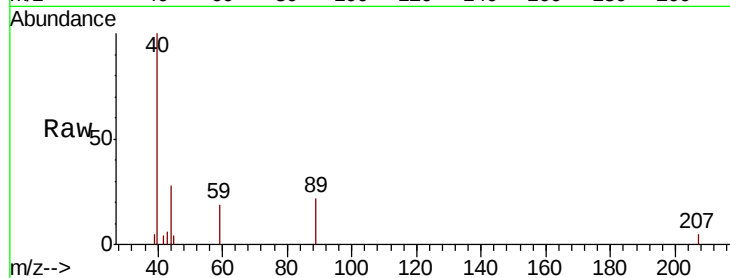


#11

Tert butyl alcohol
 Concen: 4.534 ug/l
 RT: 5.13 min Scan# 529
 Delta R.T. -0.04 min
 Lab File: VW010800.D
 Acq: 13 Jun 2019 16:24

Instrument :
 MSVOA_W
 ClientSampled :

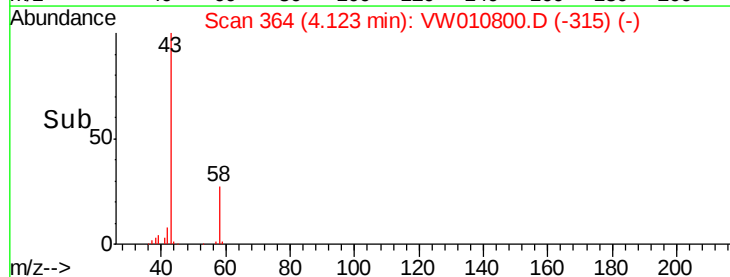
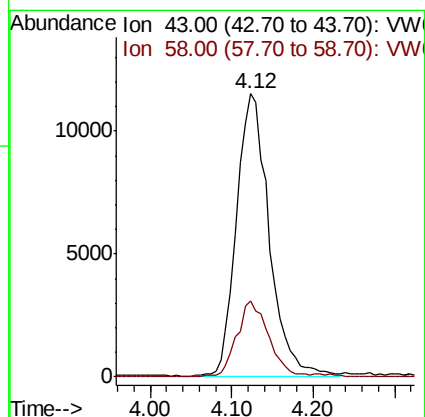
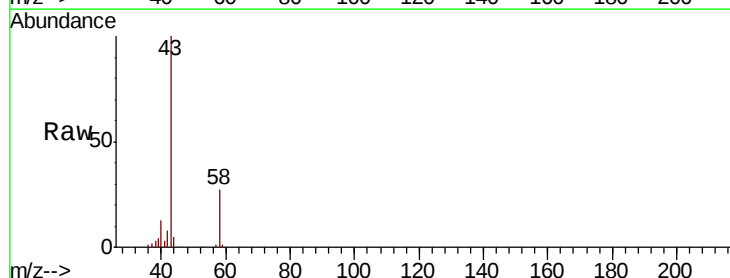
Tot Ion: 59 Resp: 802
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.6 12.8#

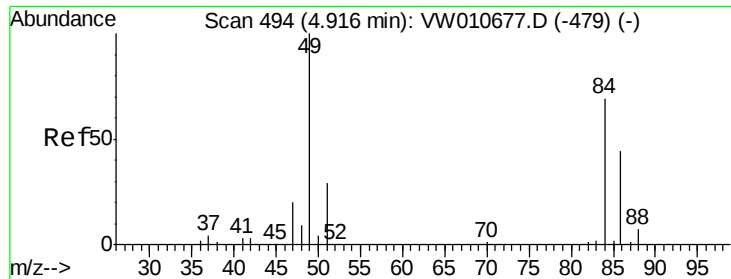


#16

Acetone
 Concen: 55.269 ug/l
 RT: 4.12 min Scan# 364
 Delta R.T. -0.00 min
 Lab File: VW010800.D
 Acq: 13 Jun 2019 16:24

Tgt Ion: 43 Resp: 32155
 Ion Ratio Lower Upper
 43 100
 58 26.7 22.1 33.1

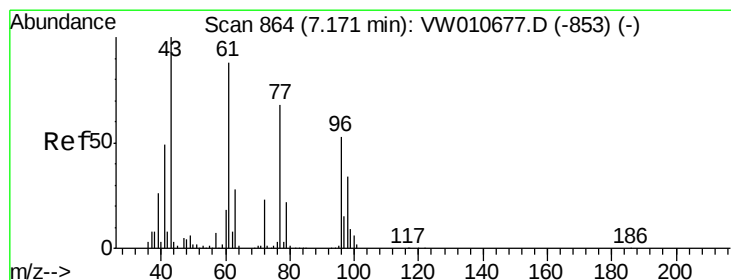
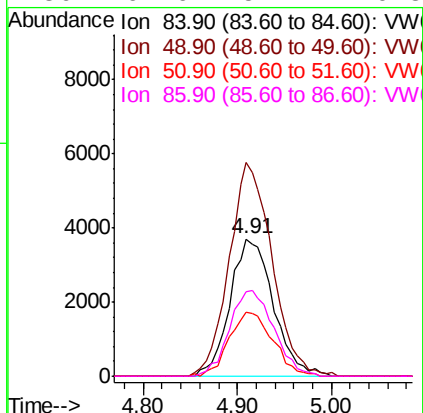
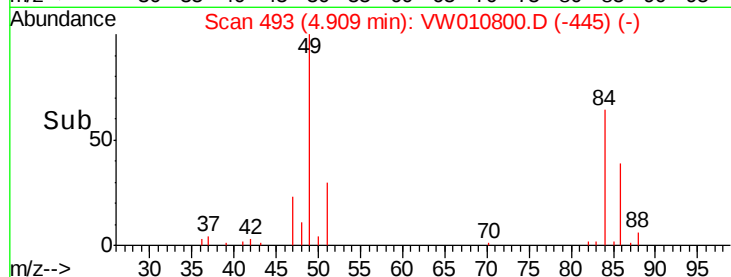
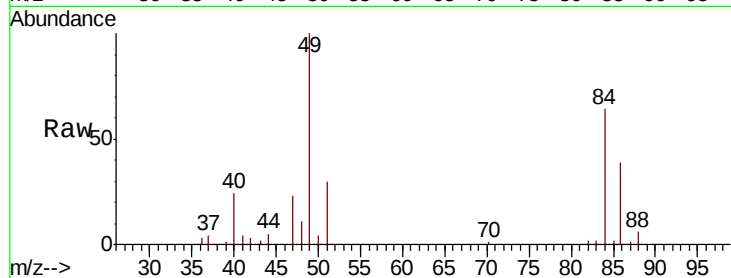




#20
Methvlene Chloride
Concen: 5.825 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW010800.D
Acq: 13 Jun 2019 16:24

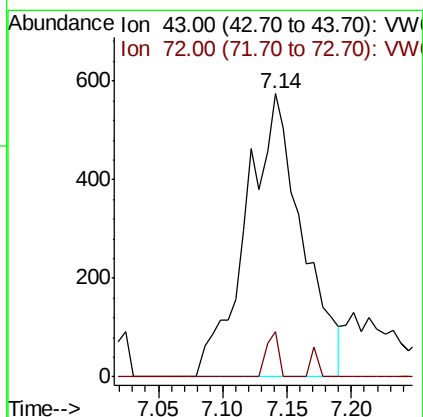
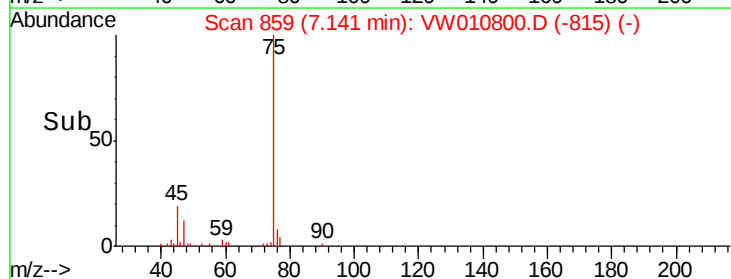
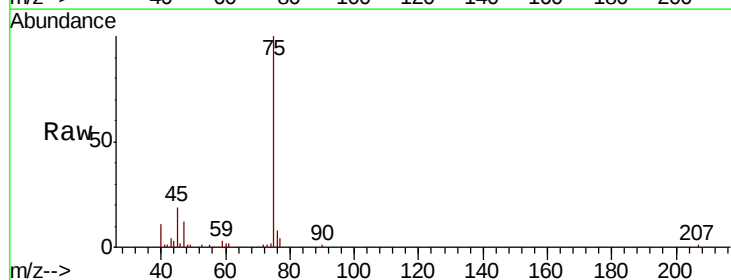
Instrument :
MSVOA_W
ClientSampleId :

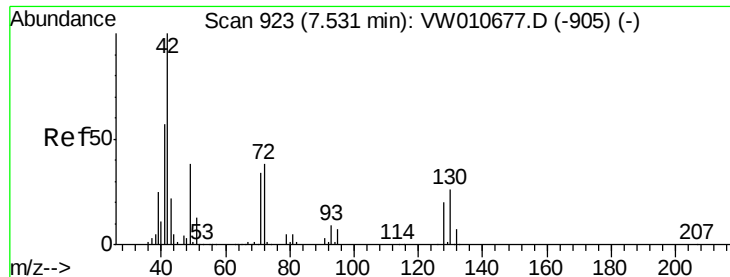
Tot Ion: 84 Resp: 11888
Ion Ratio Lower Upper
84 100
49 155.9 116.7 175.1
51 46.4 34.2 51.2
86 61.6 51.2 76.8



#25
2-Butanone
Concen: 2.154 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.03 min
Lab File: VW010800.D
Acq: 13 Jun 2019 16:24

Tgt Ion: 43 Resp: 1738
Ion Ratio Lower Upper
43 100
72 16.0 18.1 27.1#

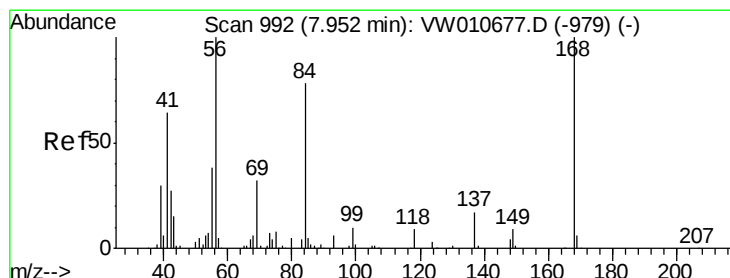
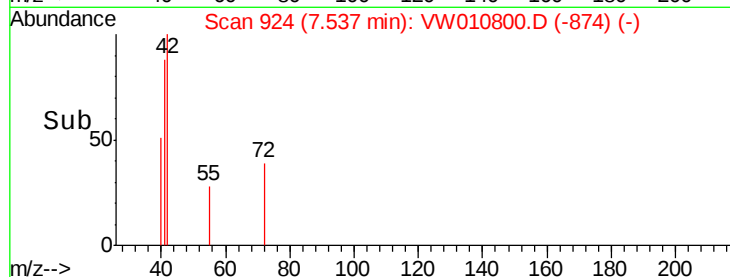
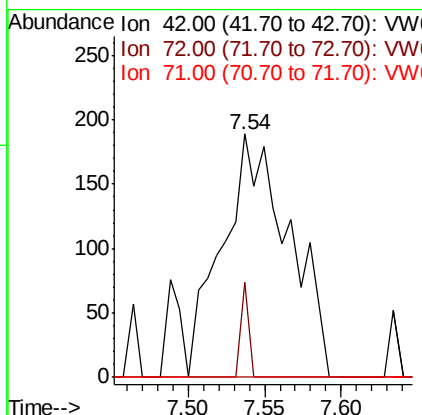
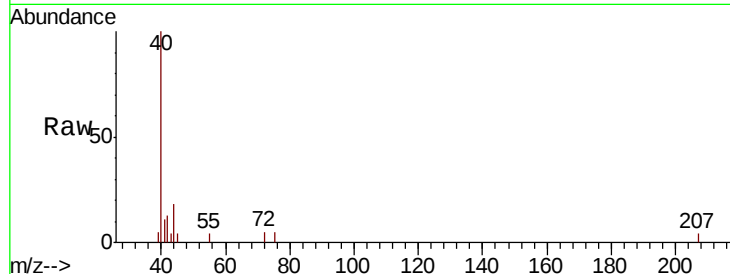




#29
Tetrahydrofuran
Concen: 1.133 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW010800.D
Acq: 13 Jun 2019 16:24

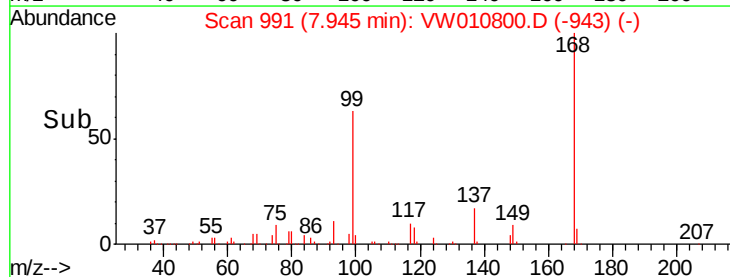
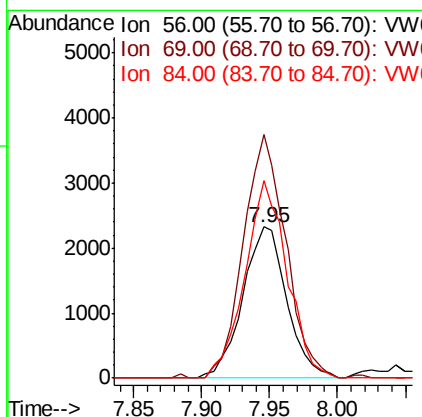
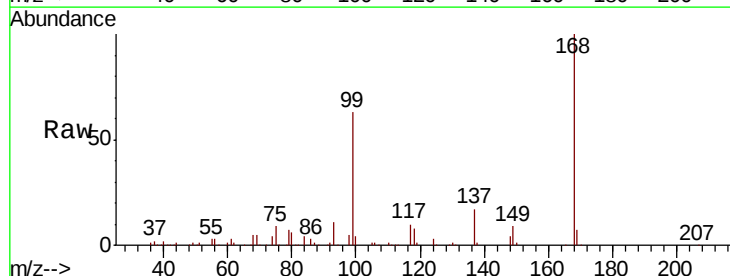
Instrument :
MSVOA_W
ClientSampled :

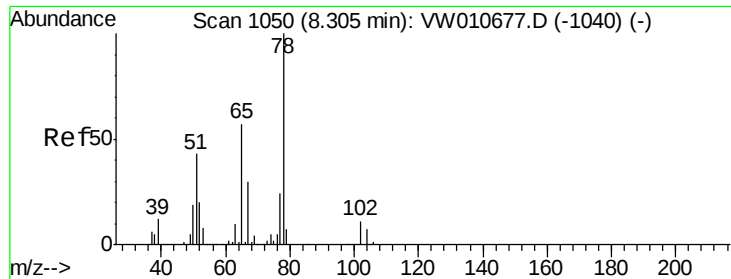
Tot Ion: 42 Resp: 575
Ion Ratio Lower Upper
42 100
72 4.7 28.7 43.1#
71 0.0 26.6 39.8#



#31
Cyclohexane
Concen: 1.204 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW010800.D
Acq: 13 Jun 2019 16:24

Tgt Ion: 56 Resp: 5276
Ion Ratio Lower Upper
56 100
69 161.2 25.2 37.8#
84 130.7 62.2 93.2#

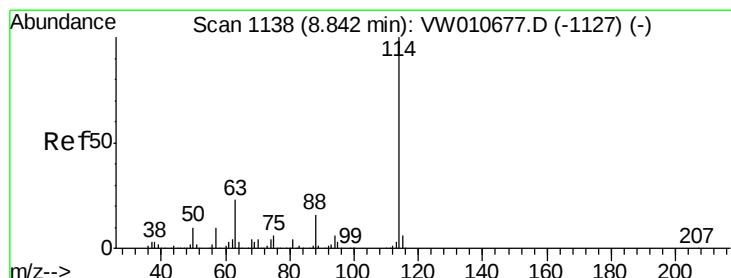
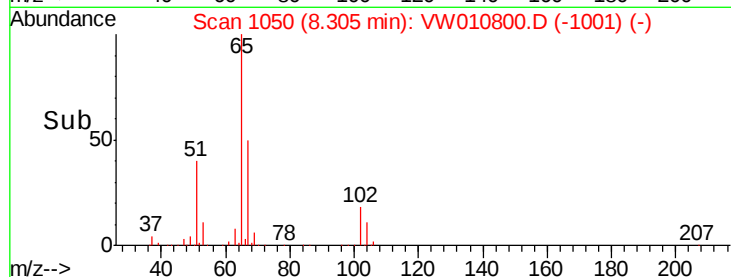
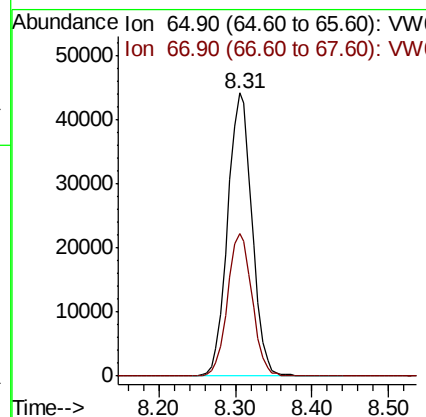
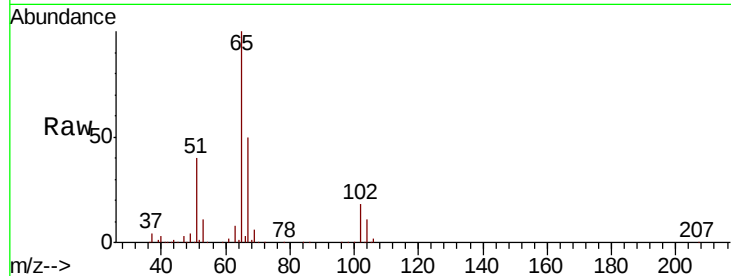




#33
 1,2-Dichloroethane-d4
 Concen: 44.749 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010800.D
 Acq: 13 Jun 2019 16:24

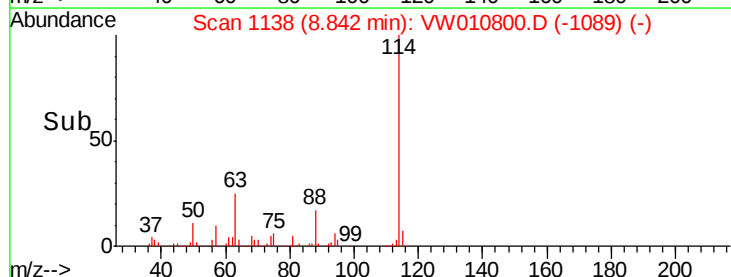
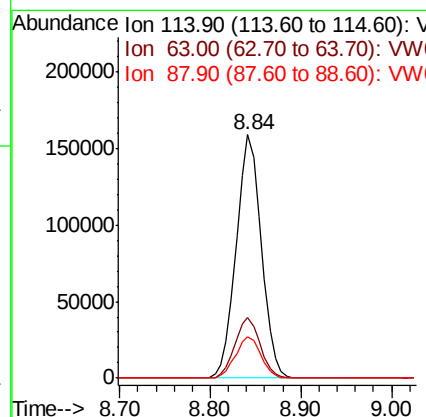
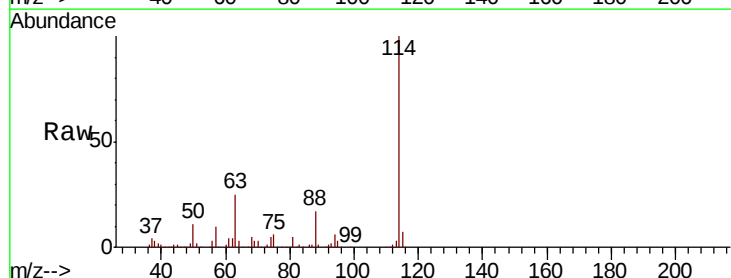
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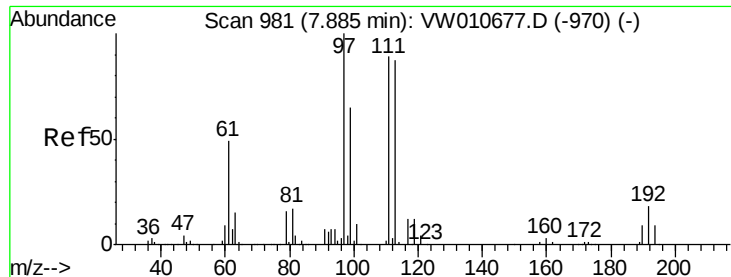
Tot Ion: 65 Resp: 97163
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010800.D
 Acq: 13 Jun 2019 16:24

Tgt Ion: 114 Resp: 306106
 Ion Ratio Lower Upper
 114 100
 63 25.0 0.0 46.4
 88 17.1 0.0 32.2

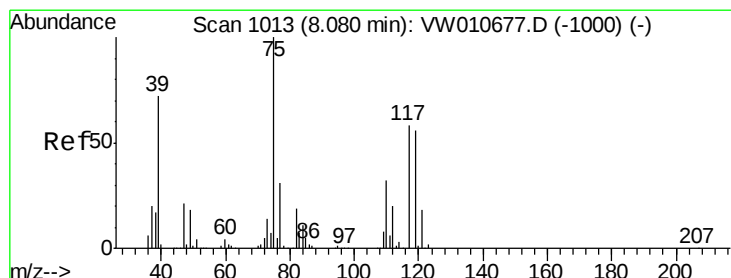
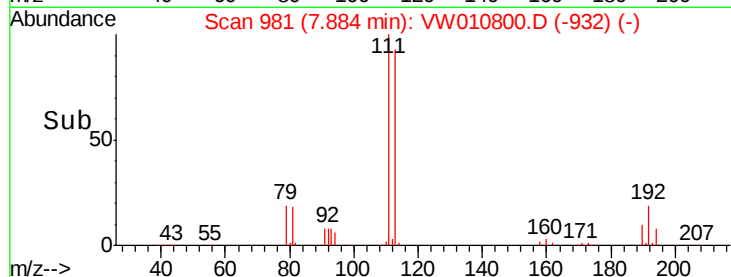
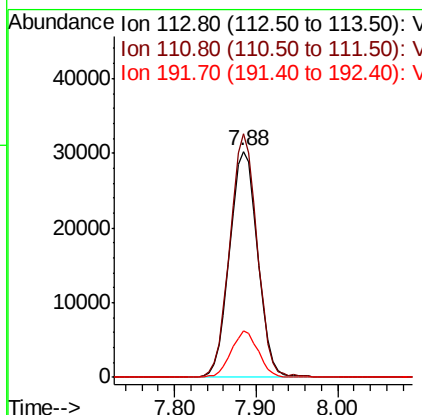
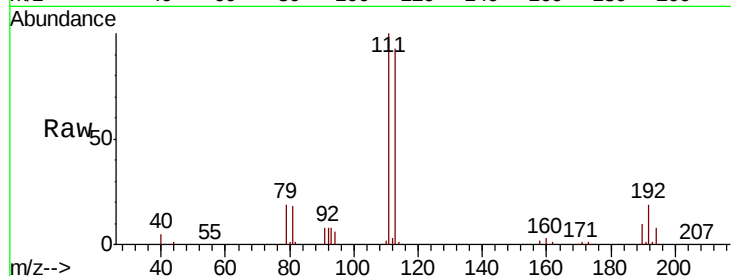




#35
 Dibromofluoromethane
 Concen: 43.117 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010800.D
 Acq: 13 Jun 2019 16:24

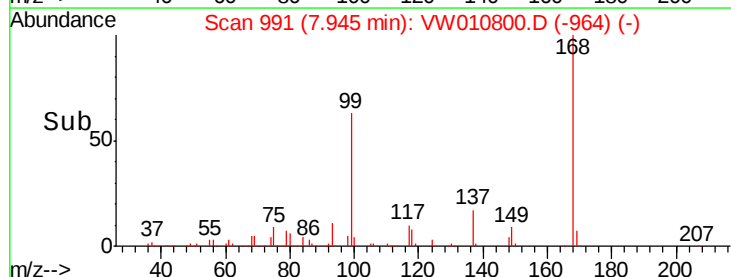
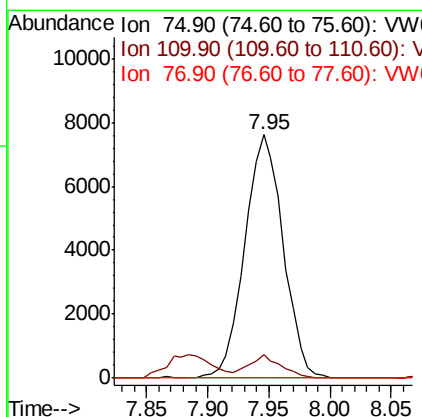
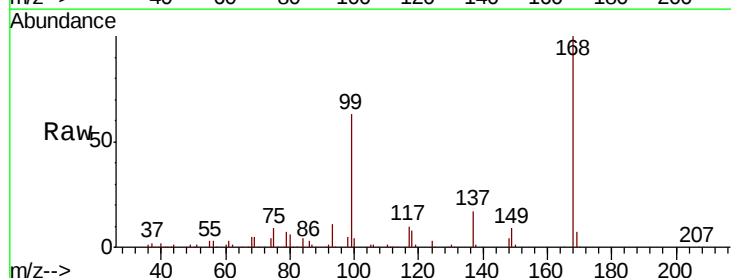
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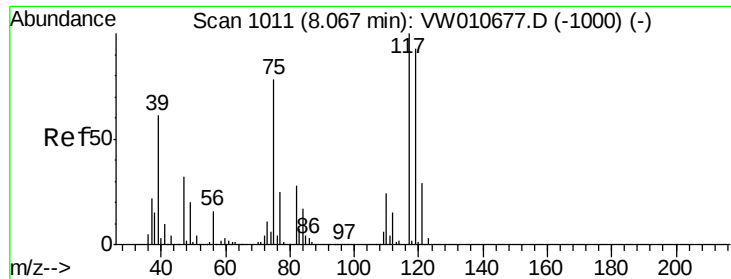
Tot Ion:113 Resp: 71638
 Ion Ratio Lower Upper
 113 100
 111 104.4 82.6 123.8
 192 19.7 16.4 24.6



#36
 1,1-Dichloropropene
 Concen: 5.296 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010800.D
 Acq: 13 Jun 2019 16:24

Tgt Ion: 75 Resp: 16595
 Ion Ratio Lower Upper
 75 100
 110 7.9 15.8 47.3#
 77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.914 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW010800.D

Acq: 13 Jun 2019 16:24

Instrument :

MSVOA_W

ClientSampled :

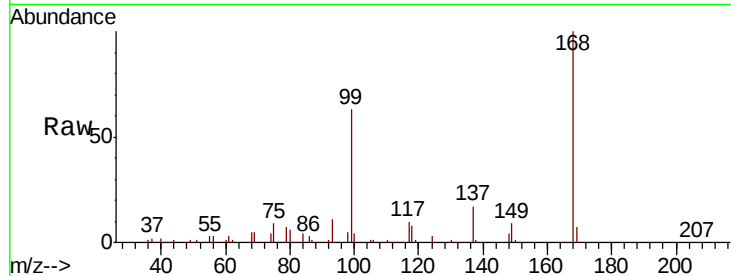
Tot Ion:117 Resp: 18702

Ion Ratio Lower Upper

117 100

119 5.4 74.2 111.4#

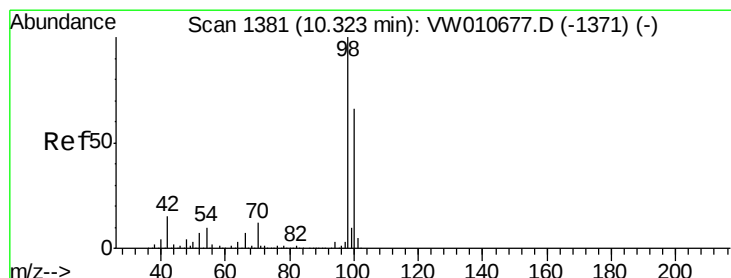
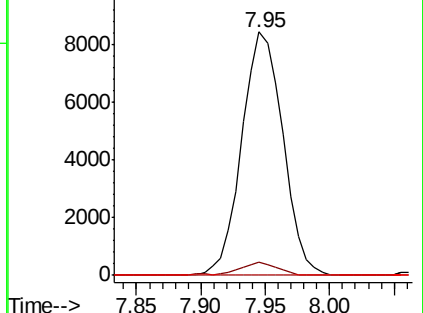
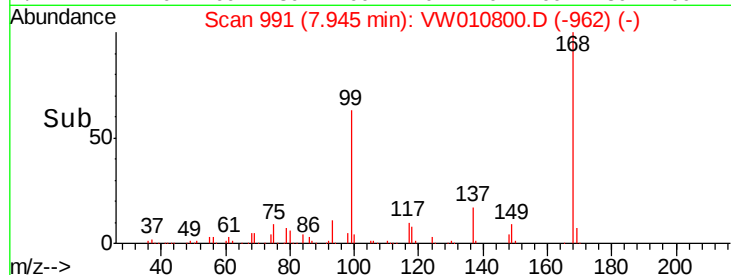
121 0.0 22.9 34.3#



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



#50

Toluene-d8

Concen: 39.478 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010800.D

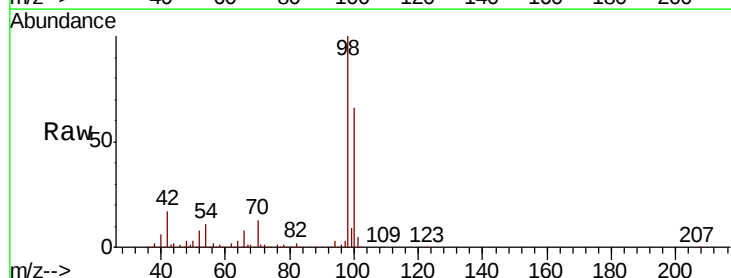
Acq: 13 Jun 2019 16:24

Tgt Ion: 98 Resp: 287625

Ion Ratio Lower Upper

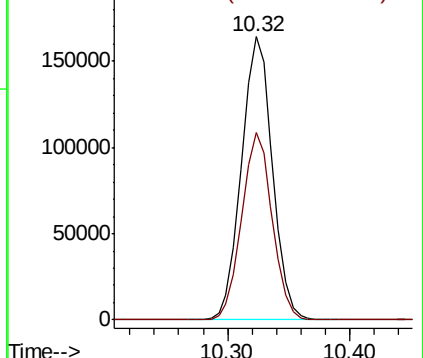
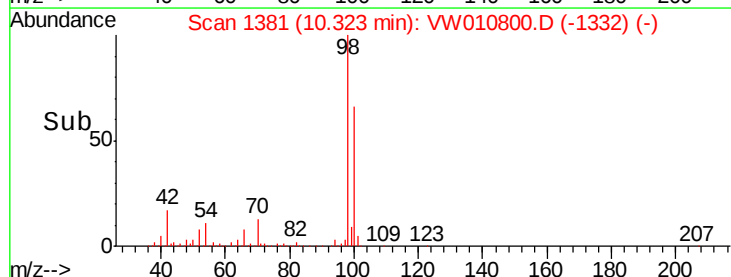
98 100

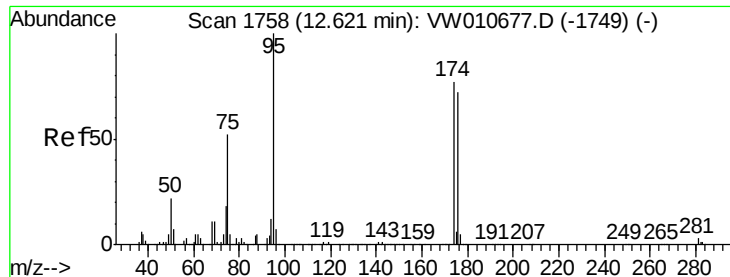
100 65.4 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

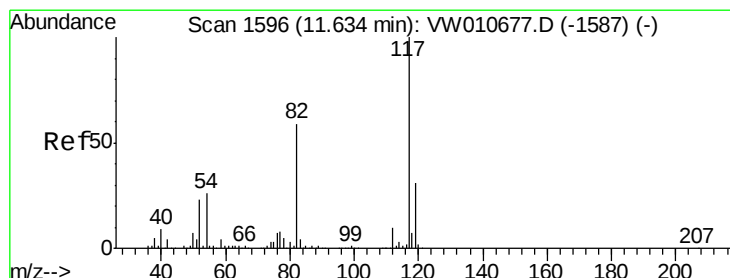
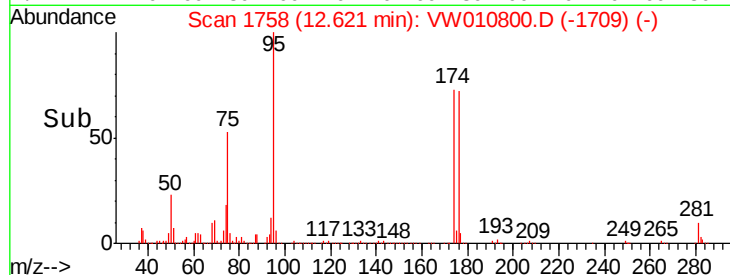
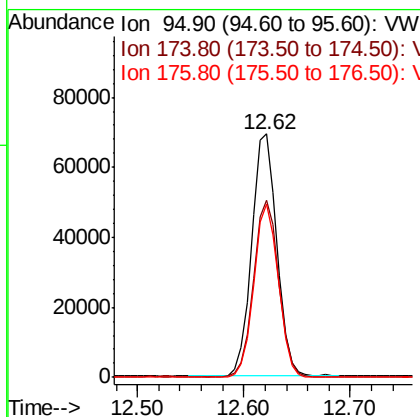
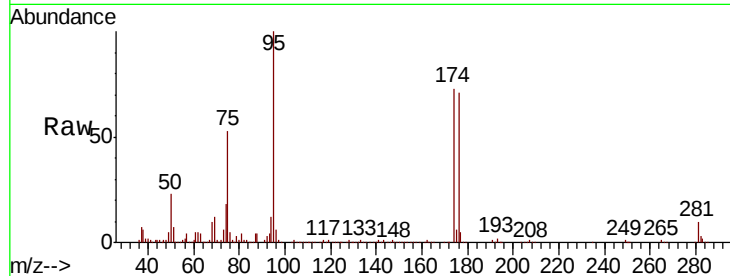




#62
4-Bromofluorobenzene
Concen: 43.403 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW010800.D
Acq: 13 Jun 2019 16:24

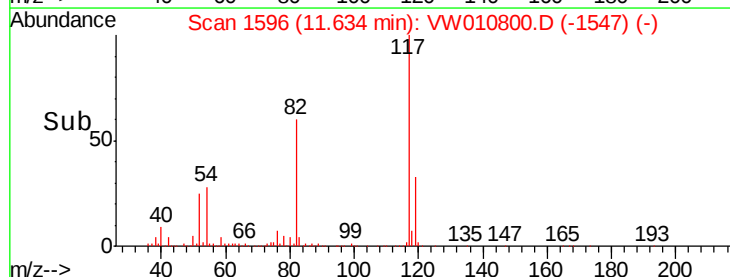
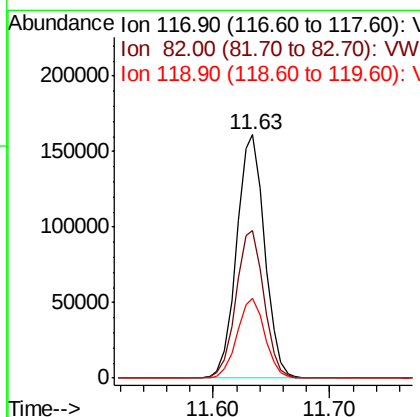
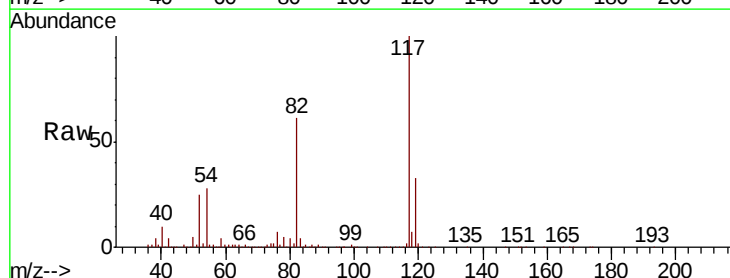
Instrument :
MSVOA_W
ClientSampleId :

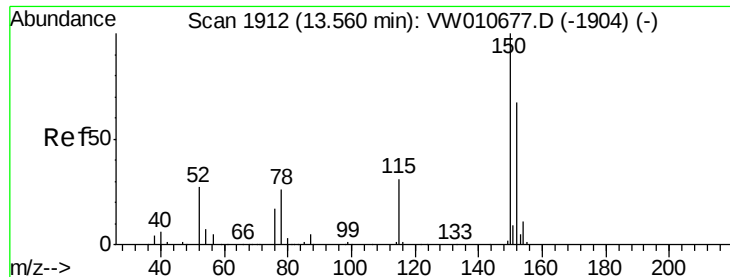
Tot Ion: 95 Resp: 115070
Ion Ratio Lower Upper
95 100
174 72.5 0.0 150.4
176 69.6 0.0 144.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010800.D
Acq: 13 Jun 2019 16:24

Tgt Ion: 117 Resp: 270285
Ion Ratio Lower Upper
117 100
82 60.5 47.0 70.4
119 32.9 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: VW010800.D

Acq: 13 Jun 2019 16:24

Instrument :

MSVOA_W

ClientSampleId :

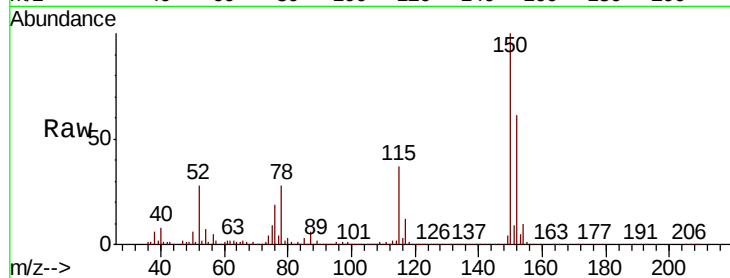
Tot Ion:152 Resp: 124201

Ion Ratio Lower Upper

152 100

115 60.5 29.8 89.3

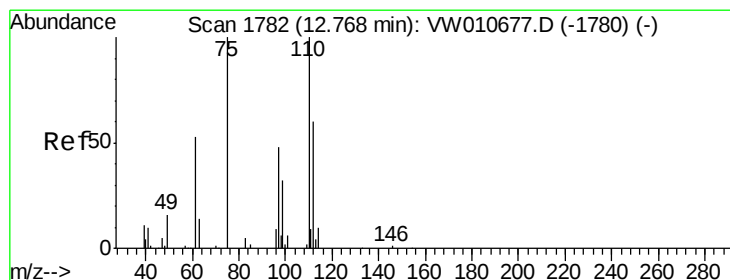
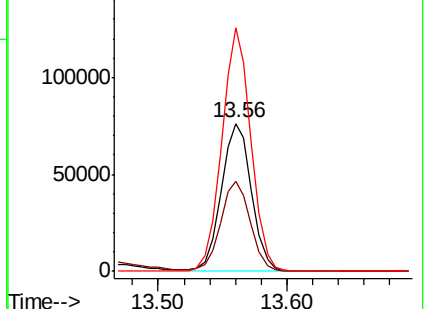
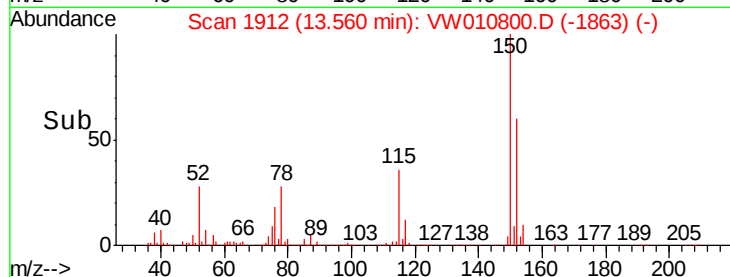
150 158.7 0.0 345.0



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: 2.784 ug/l

RT: 12.88 min Scan# 1800

Delta R.T. 0.11 min

Lab File: VW010800.D

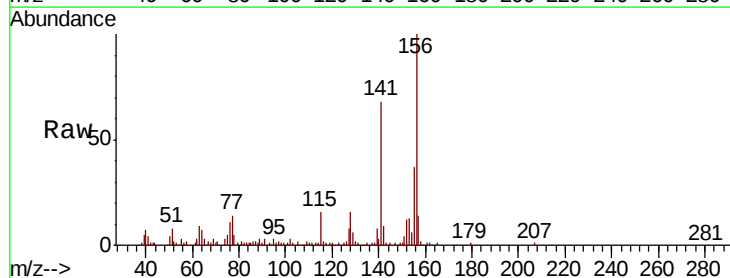
Acq: 13 Jun 2019 16:24

Tgt Ion: 75 Resp: 3631

Ion Ratio Lower Upper

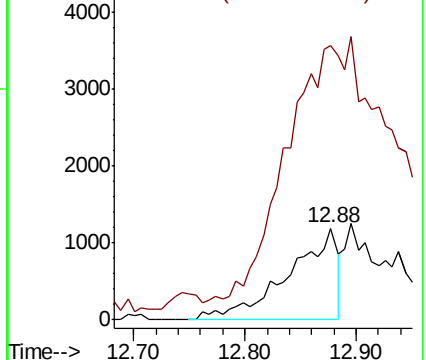
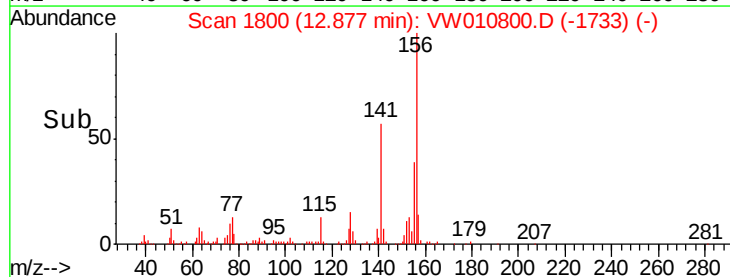
75 100

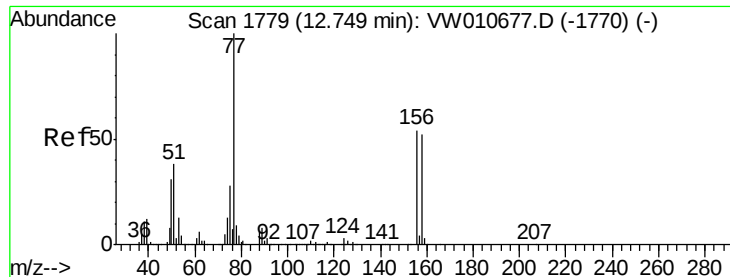
77 655.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 86.235 ug/l

RT: 12.88 min Scan# 1800

Delta R.T. 0.13 min

Lab File: VW010800.D

Acq: 13 Jun 2019 16:24

Instrument :

MSVOA_W

ClientSampleId :

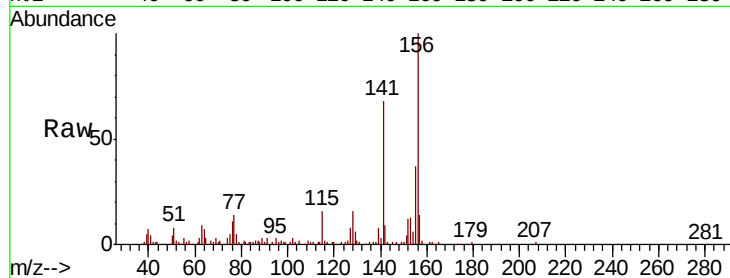
Tot Ion:156 Resp: 175686

Ion Ratio Lower Upper

156 100

77 13.5 106.5 319.4#

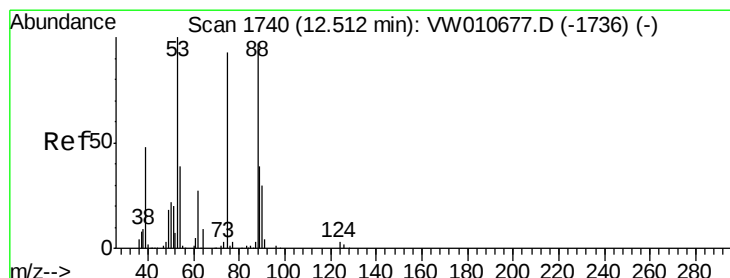
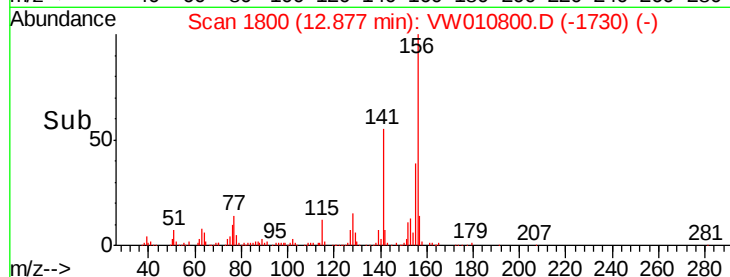
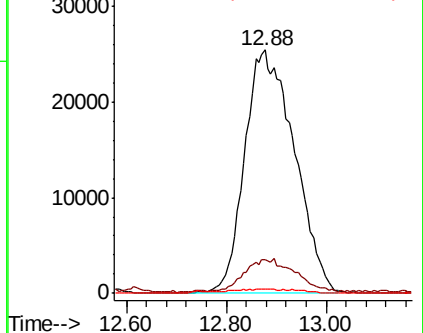
158 0.3 48.3 144.9#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 109.801 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010800.D

Acq: 13 Jun 2019 16:24

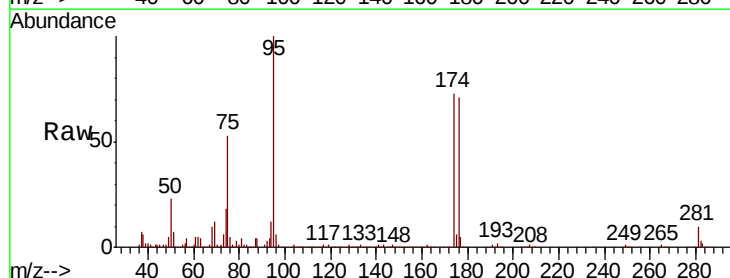
Tgt Ion: 75 Resp: 62311

Ion Ratio Lower Upper

75 100

53 0.2 90.1 135.1#

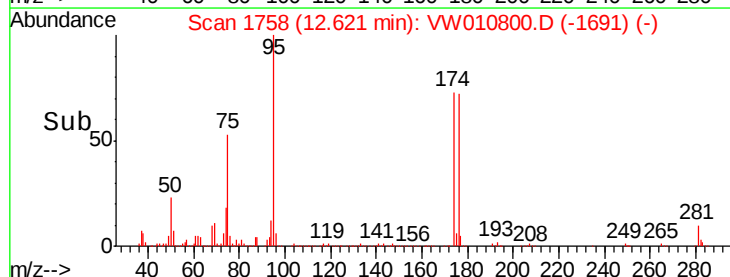
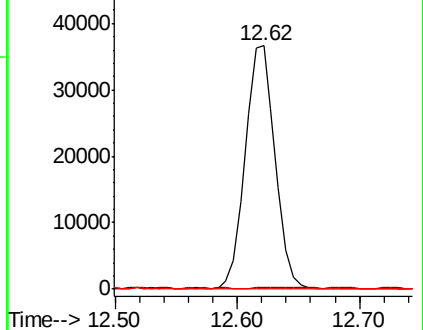
89 0.0 34.6 52.0#

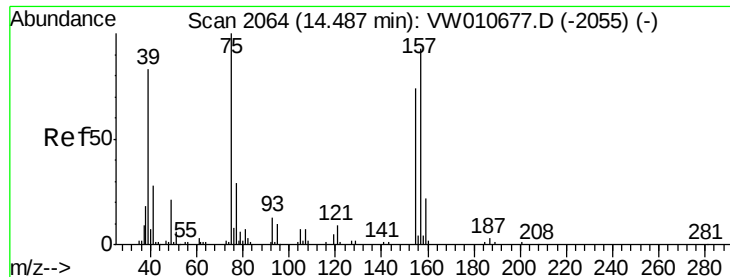


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#92

1,2-Dibromo-3-Chloropropane

Concen: 13.615 ug/l

RT: 14.52 min Scan# 2070

Delta R.T. 0.04 min

Lab File: VW010800.D

Acq: 13 Jun 2019 16:24

Instrument :

MSVOA_W

ClientSampleId :

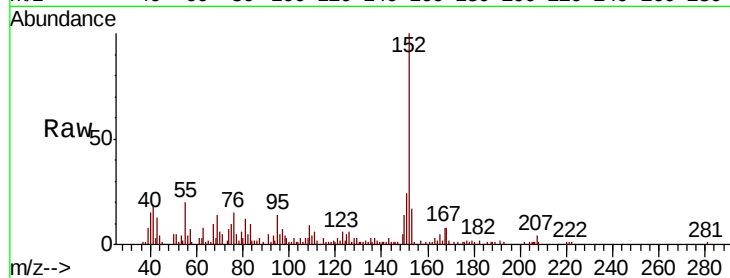
Tot Ion: 75 Resp: 4154

Ion Ratio Lower Upper

75 100

155 0.0 38.8 116.4#

157 3.0 48.4 145.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

