

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091119\
 Data File : VW012921.D
 Acq On : 11 Sep 2019 16:53
 Operator : SY/VA
 Sample : K4694-03
 Misc : 3.67G/5ML/MSVOA_W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T1-1-(1.5)

Quant Time: Sep 12 07:53:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
 Quant Title : SW846 8260
 QLast Update : Sun Sep 08 05:04:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	241352	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	364269	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	267348	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	77859	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	129310	47.95	ug/l	0.00
Spiked Amount			Recovery	=	95.90%	
35) Dibromofluoromethane	7.88	113	107190	49.49	ug/l	0.00
Spiked Amount			Recovery	=	98.98%	
50) Toluene-d8	10.32	98	409444	48.26	ug/l	0.00
Spiked Amount			Recovery	=	96.52%	
62) 4-Bromofluorobenzene	12.62	95	106573	34.60	ug/l	0.00
Spiked Amount			Recovery	=	69.20%	

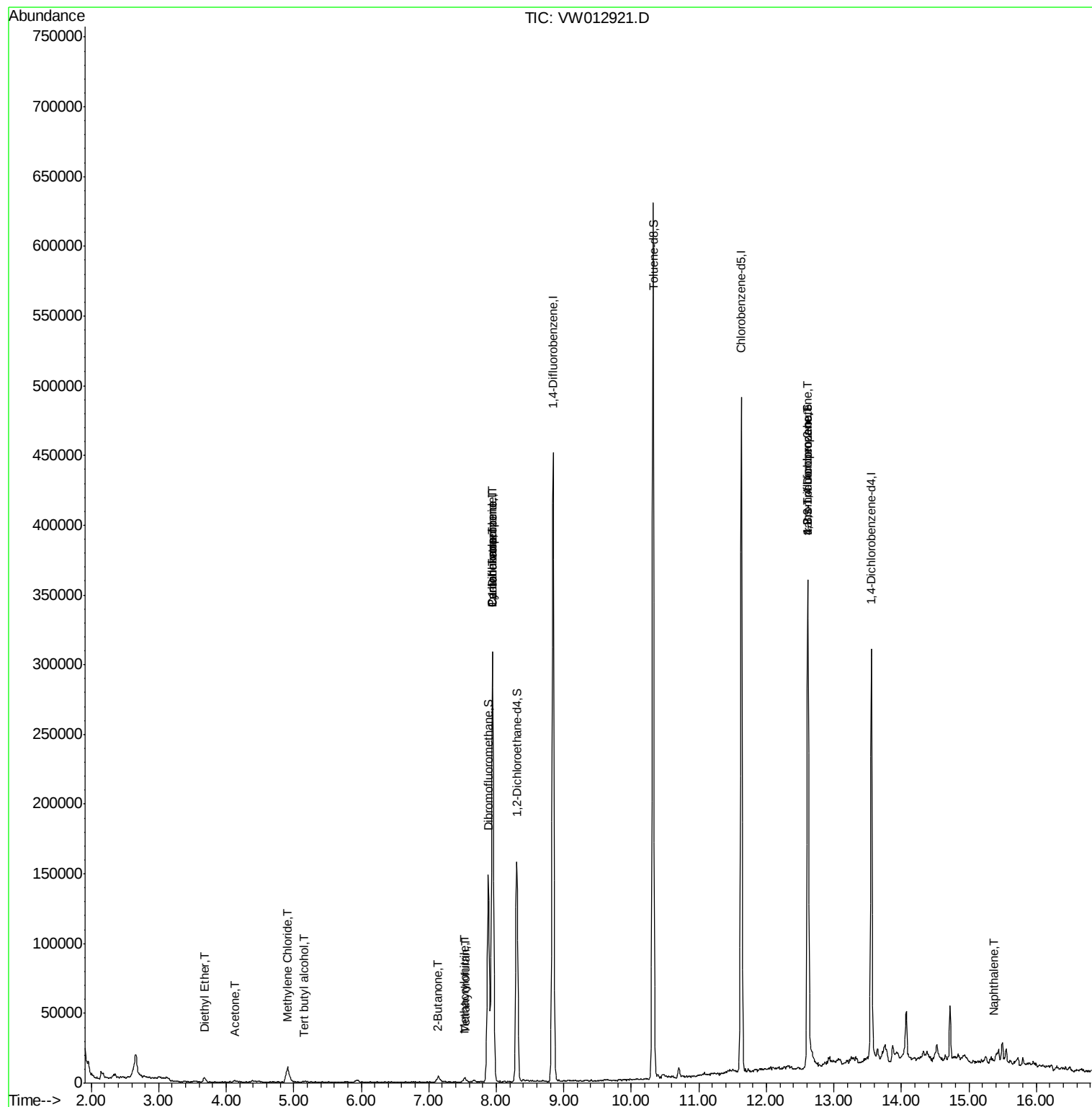
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	1845	1.632	ug/l	94
11) Tert butyl alcohol	5.16	59	944	4.575	ug/l #	87
16) Acetone	4.13	43	2439	3.318	ug/l #	88
20) Methylene Chloride	4.91	84	8530	3.709	ug/l	89
25) 2-Butanone	7.14	43	188	19.840	ug/l #	53
29) Tetrahydrofuran	7.54	42	2668	4.494	ug/l #	68
31) Cyclohexane	7.95	56	5124	1.293	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18619	5.753	ug/l #	52
38) Carbon Tetrachloride	7.95	117	22828	7.155	ug/l #	16
41) Methacrylonitrile	7.52	41	1952	5.124	ug/l #	47
76) 1,2,3-Trichloropropane	12.62	75	55036	69.128	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	55036	146.211	ug/l #	7
95) Naphthalene	15.36	128	676	4.628	ug/l #	80

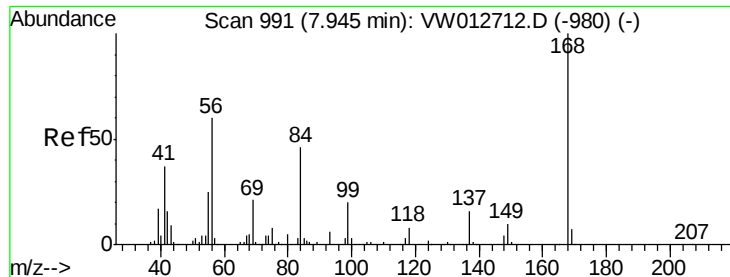
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW091119\
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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: VW012921.D

Acq: 11 Sep 2019 16:53

Instrument :

MSVOA_W

ClientSampleId :

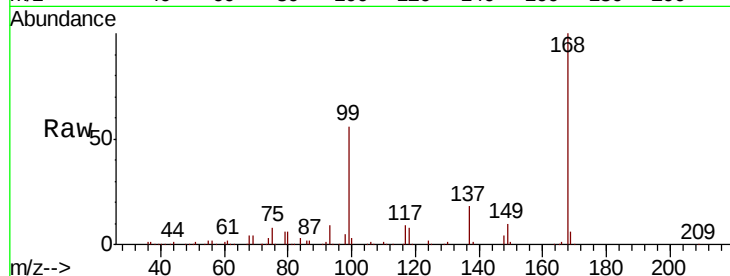
T1-1-(1.5)

Tgt Ion:168 Resp: 241352

Ion Ratio Lower Upper

168 100

99 56.3 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

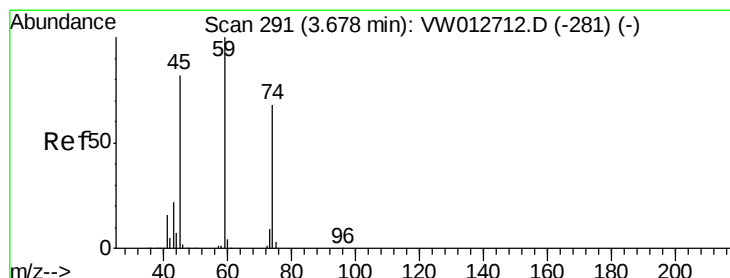
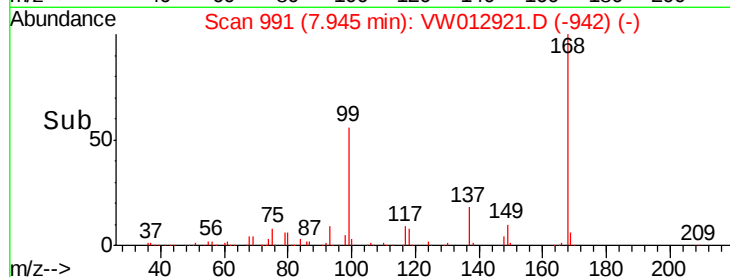
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#8

Diethyl Ether

Concen: 1.632 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012921.D

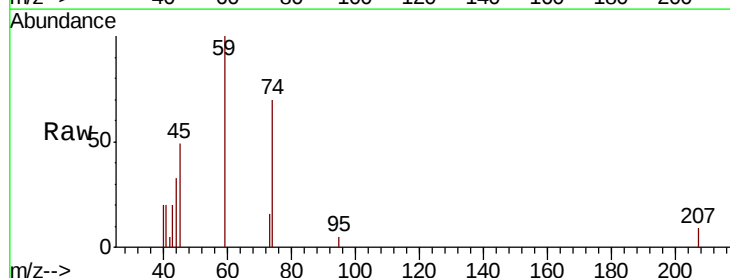
Acq: 11 Sep 2019 16:53

Tgt Ion: 74 Resp: 1845

Ion Ratio Lower Upper

74 100

45 123.8 58.8 176.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.67

1000

800

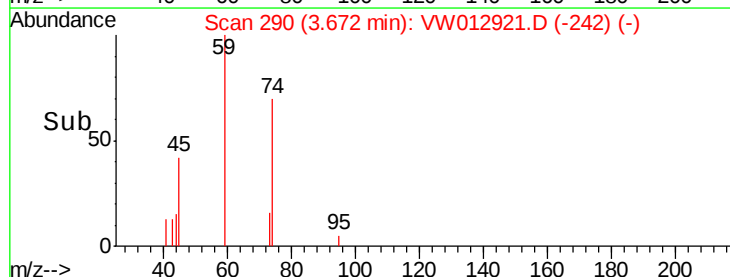
600

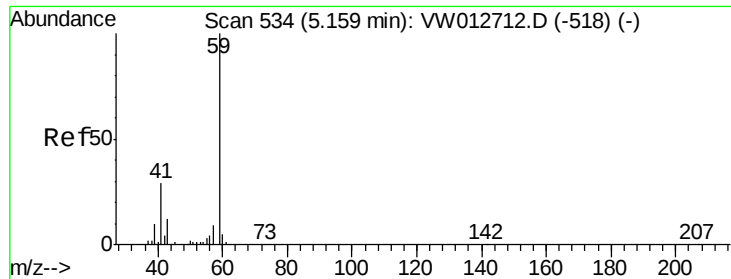
400

200

0

Time--> 3.60 3.65 3.70 3.75

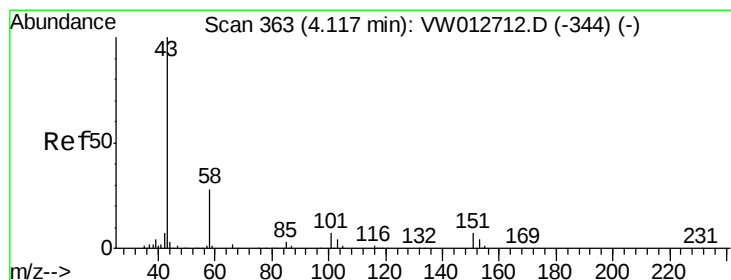
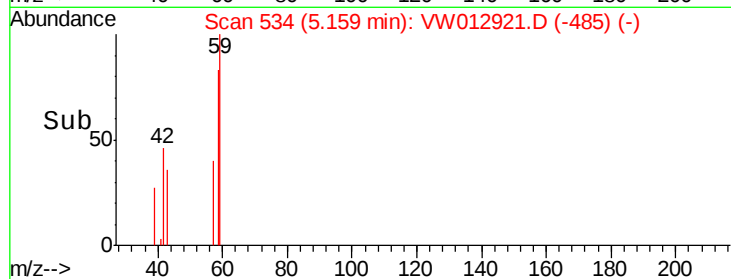
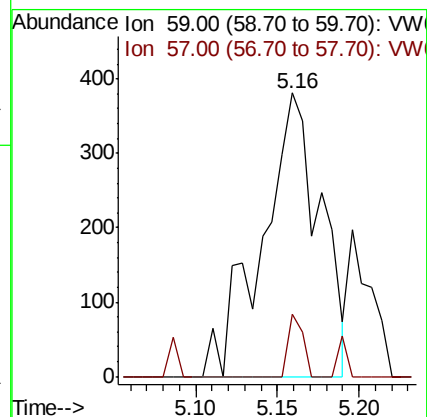
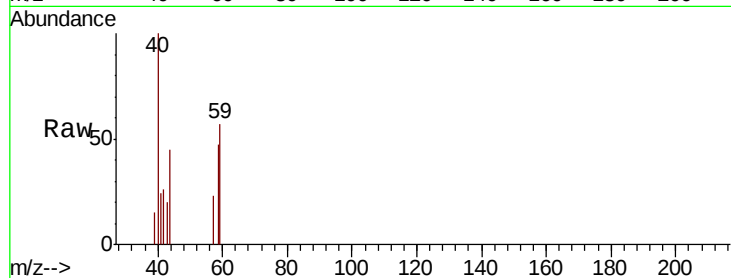




#11
Tert butyl alcohol
Concen: 4.575 ug/l
RT: 5.16 min Scan# 534
Delta R.T. -0.00 min
Lab File: VW012921.D
Acq: 11 Sep 2019 16:53

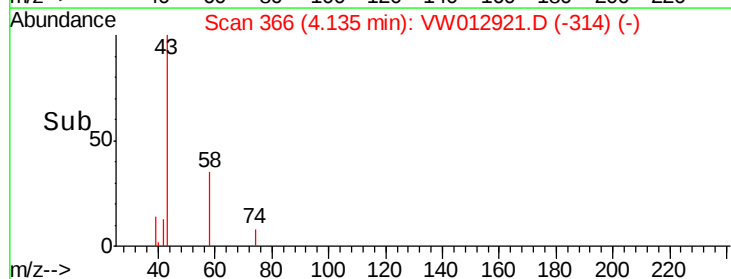
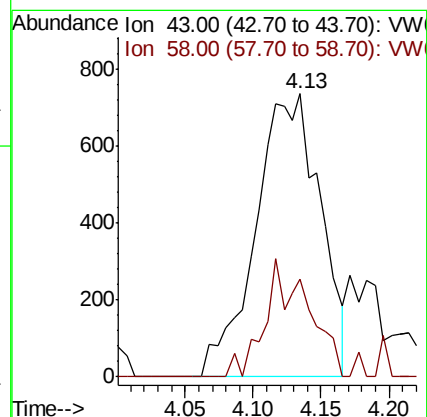
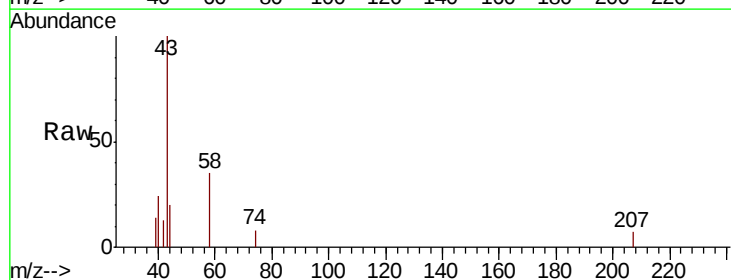
Instrument :
MSVOA_W
ClientSampled :
T1-1-(1.5)

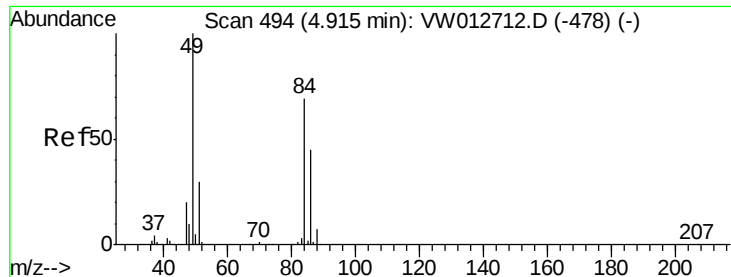
Tgt Ion: 59 Resp: 944
Ion Ratio Lower Upper
59 100
57 5.5 8.2 12.4#



#16
Acetone
Concen: 3.318 ug/l
RT: 4.13 min Scan# 366
Delta R.T. 0.02 min
Lab File: VW012921.D
Acq: 11 Sep 2019 16:53

Tgt Ion: 43 Resp: 2439
Ion Ratio Lower Upper
43 100
58 34.5 22.6 33.8#

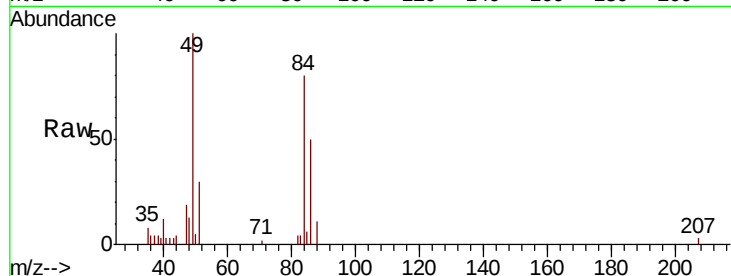




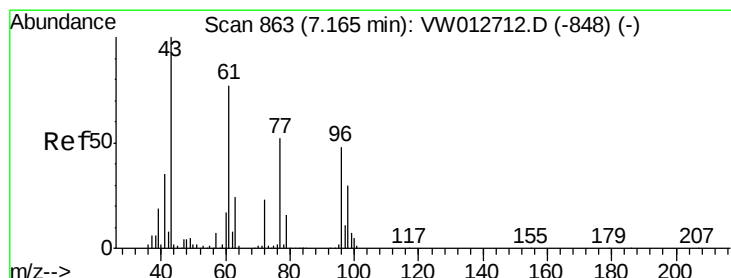
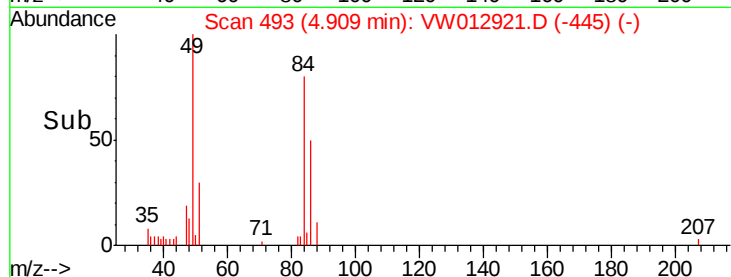
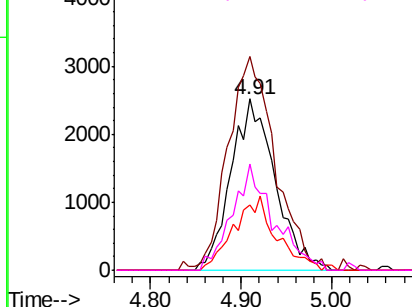
#20
Methylene Chloride
Concen: 3.709 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012921.D
Acq: 11 Sep 2019 16:53

Instrument :
MSVOA_W
ClientSampleId :
T1-1-(1.5)

Tgt Ion: 84 Resp: 8530
Ion Ratio Lower Upper
84 100
49 124.9 115.4 173.0
51 37.9 34.9 52.3
86 62.3 52.2 78.4

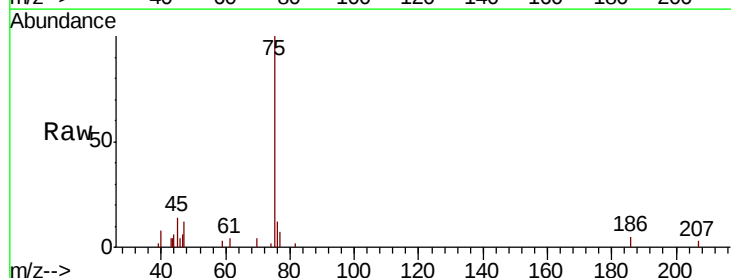


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

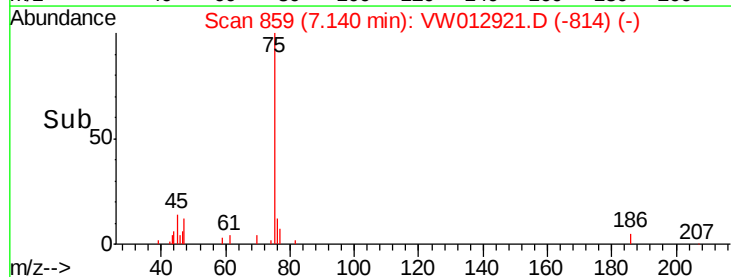
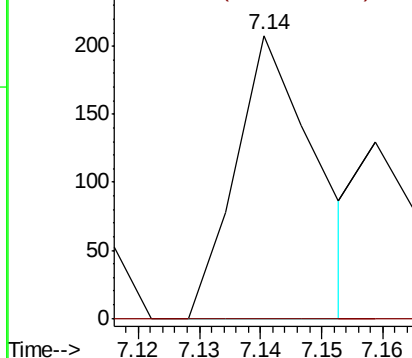


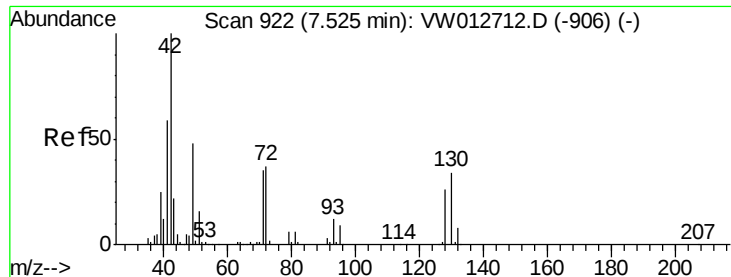
#25
2-Butanone
Concen: 19.840 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.02 min
Lab File: VW012921.D
Acq: 11 Sep 2019 16:53

Tgt Ion: 43 Resp: 188
Ion Ratio Lower Upper
43 100
72 0.0 18.0 27.0#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW

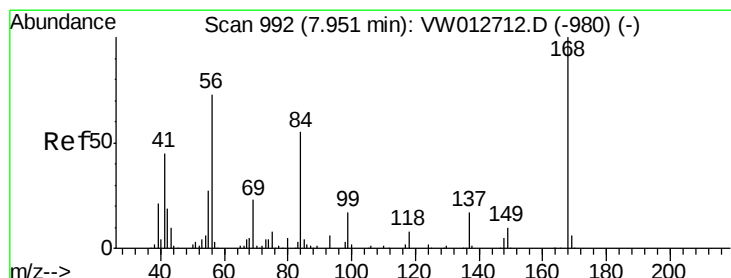
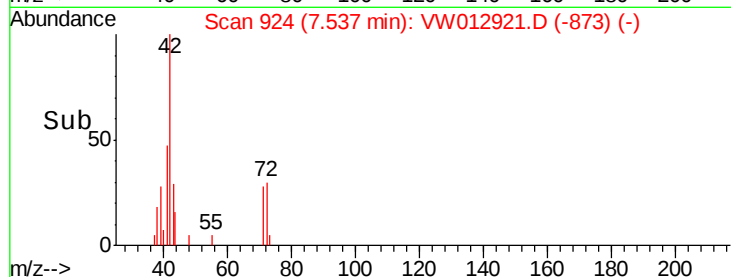
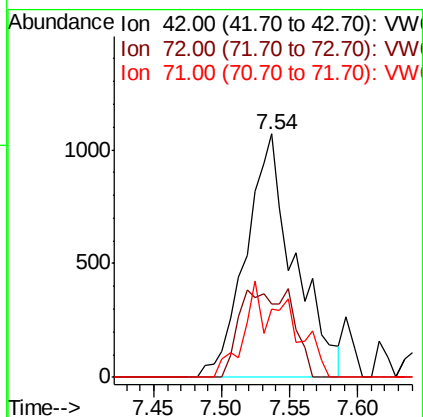
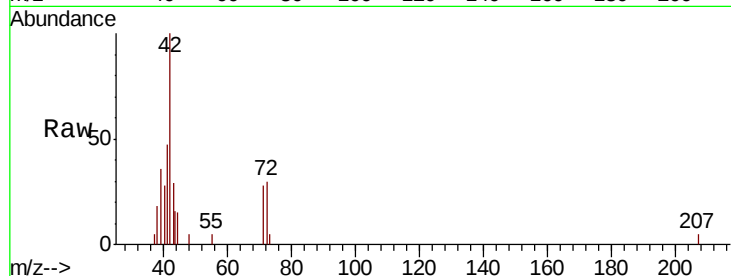




#29
Tetrahydrofuran
Concen: 4.494 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012921.D
Acq: 11 Sep 2019 16:53

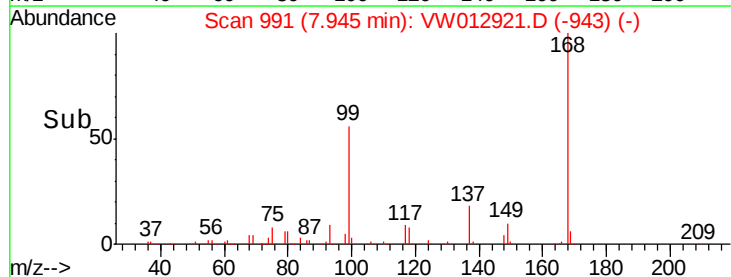
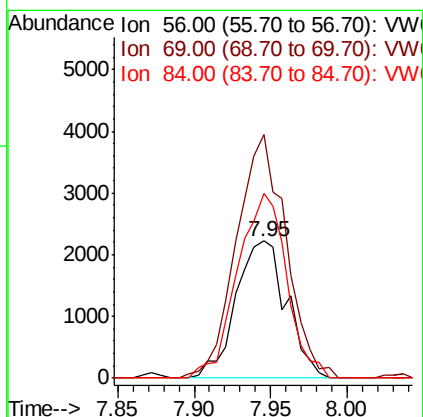
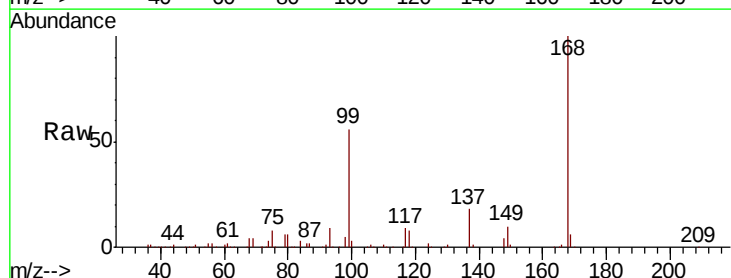
Instrument :
MSVOA_W
ClientSampled :
T1-1-(1.5)

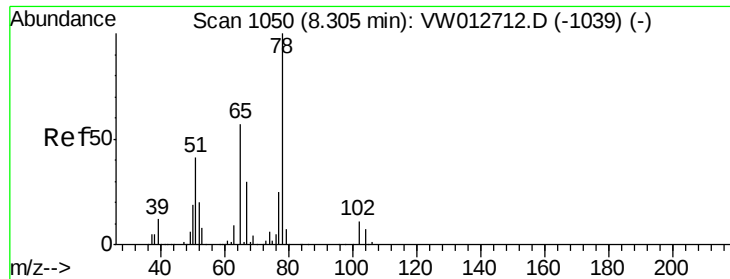
Tgt Ion: 42 Resp: 2668
Ion Ratio Lower Upper
42 100
72 38.9 28.4 42.6
71 0.0 27.1 40.7#



#31
Cyclohexane
Concen: 1.293 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012921.D
Acq: 11 Sep 2019 16:53

Tgt Ion: 56 Resp: 5124
Ion Ratio Lower Upper
56 100
69 177.9 25.7 38.5#
84 134.9 60.4 90.6#

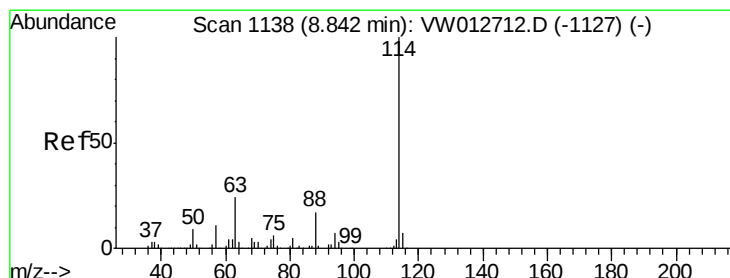
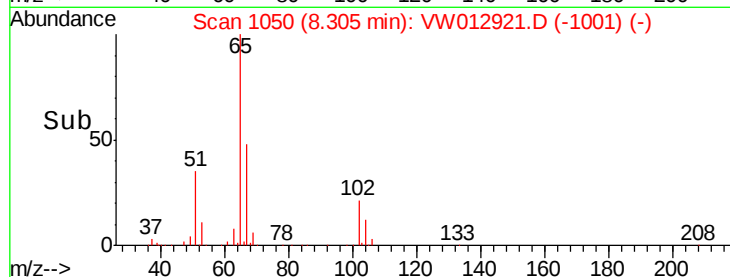
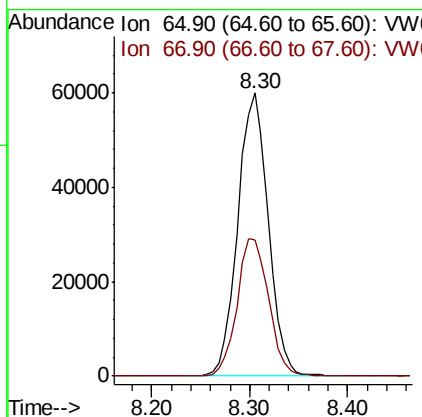
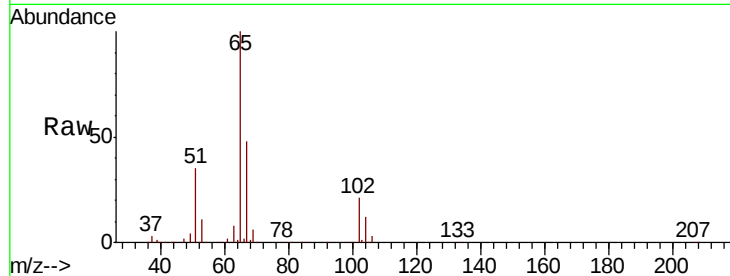




#33
 1,2-Dichloroethane-d4
 Concen: 47.951 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012921.D
 Acq: 11 Sep 2019 16:53

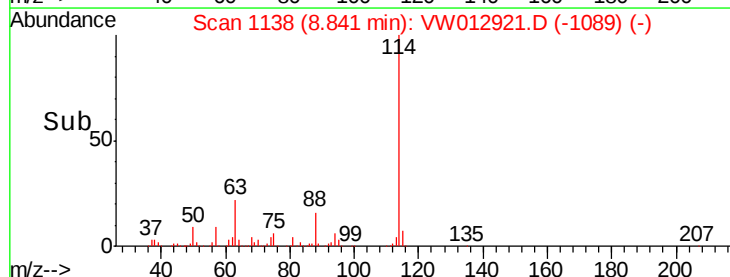
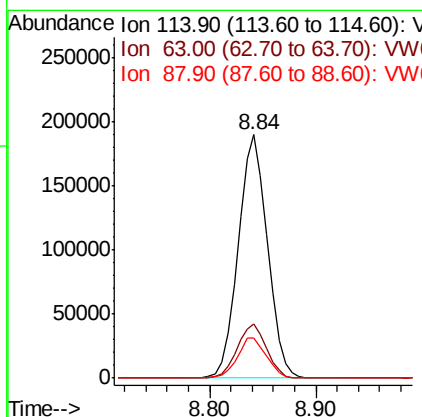
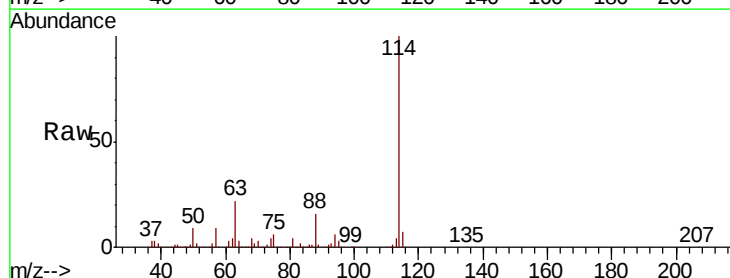
Instrument :
 MSVOA_W
 ClientSampleId :
 T1-1-(1.5)

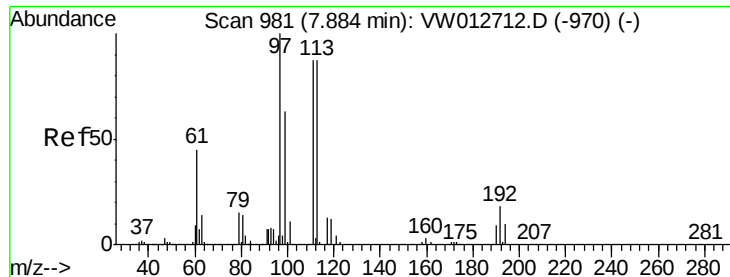
Tgt Ion: 65 Resp: 129310
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012921.D
 Acq: 11 Sep 2019 16:53

Tgt Ion: 114 Resp: 364269
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 47.2
 88 16.5 0.0 34.0

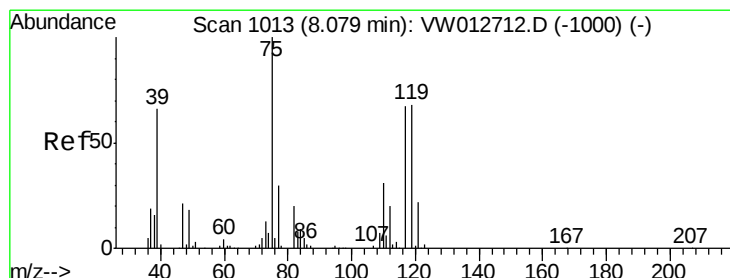
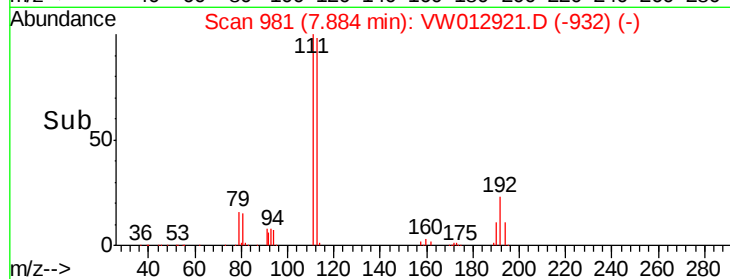
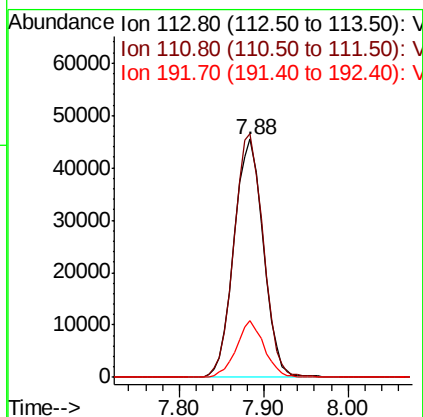
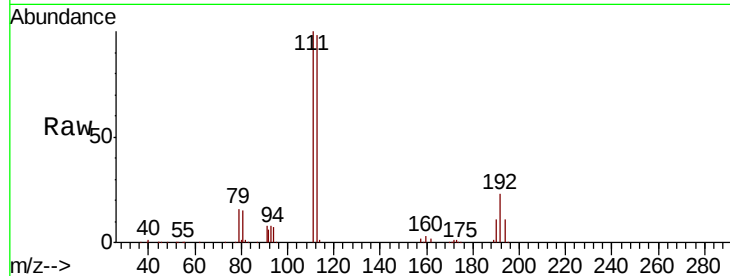




#35
 Dibromofluoromethane
 Concen: 49.495 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012921.D
 Acq: 11 Sep 2019 16:53

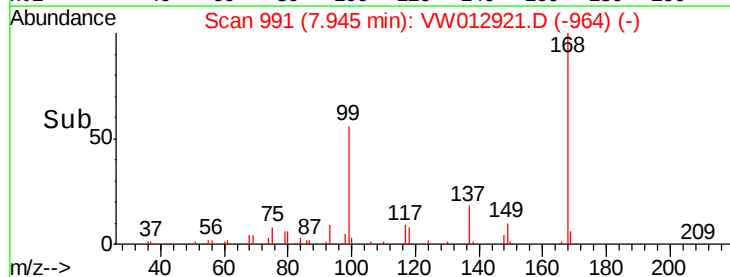
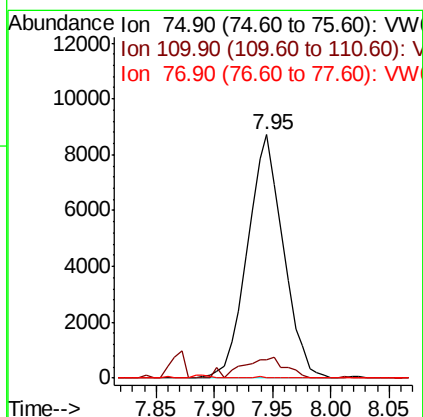
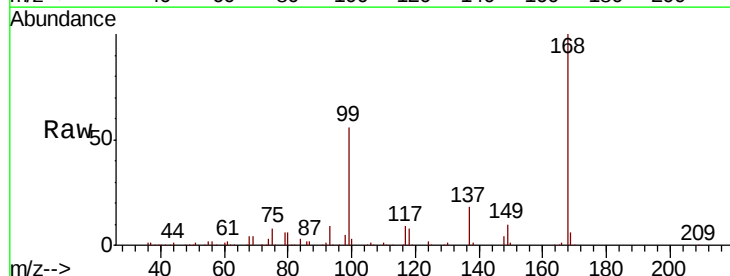
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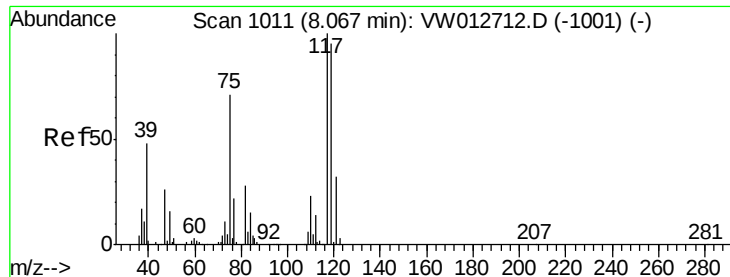
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.8	80.2	120.4
192	22.3	17.3	25.9



#36
 1,1-Dichloropropene
 Concen: 5.753 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012921.D
 Acq: 11 Sep 2019 16:53

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.6	15.9	47.7#
77	0.1	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 7.155 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012921.D

Acq: 11 Sep 2019 16:53

Instrument :

MSVOA_W

ClientSampleId :

T1-1-(1.5)

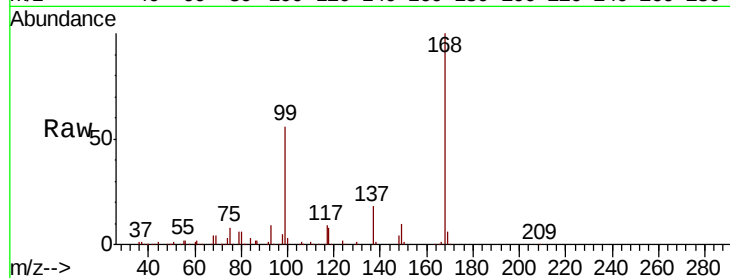
Tgt Ion:117 Resp: 22828

Ion Ratio Lower Upper

117 100

119 5.1 76.2 114.2#

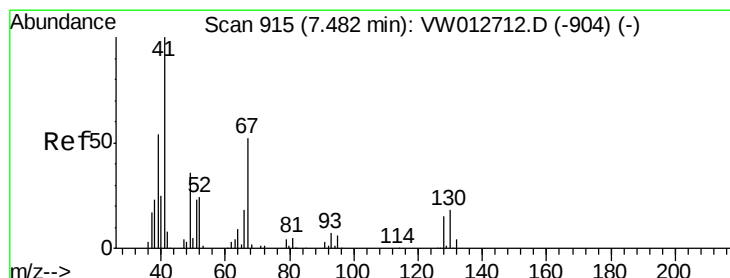
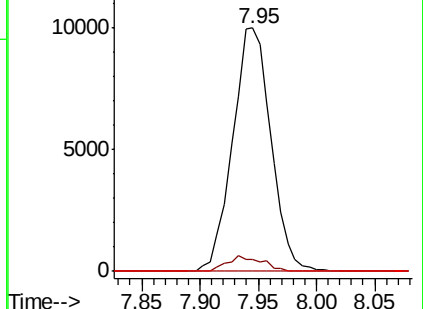
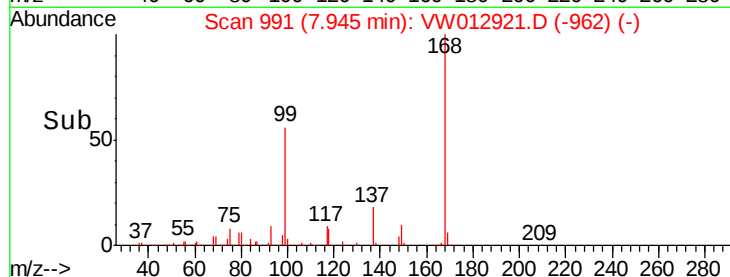
121 0.0 25.4 38.2#



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



#41

Methacrylonitrile

Concen: 5.124 ug/l

RT: 7.52 min Scan# 922

Delta R.T. 0.04 min

Lab File: VW012921.D

Acq: 11 Sep 2019 16:53

Tgt Ion: 41 Resp: 1952

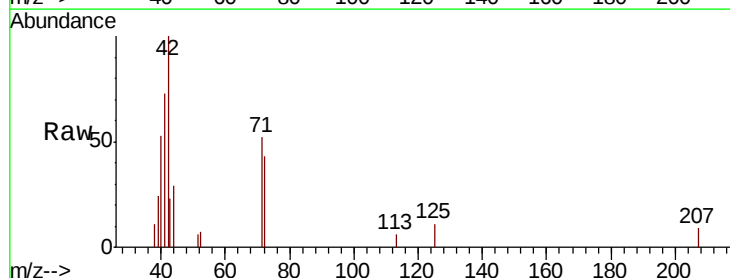
Ion Ratio Lower Upper

41 100

39 34.2 47.5 71.3#

67 0.0 45.1 67.7#

52 1.0 20.2 30.2#

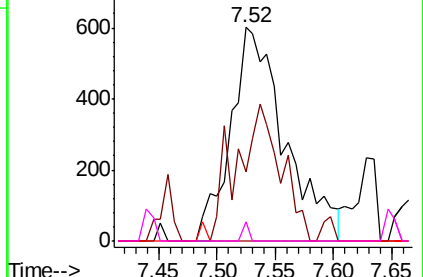
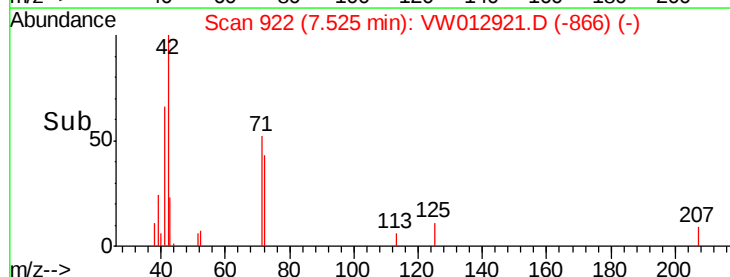


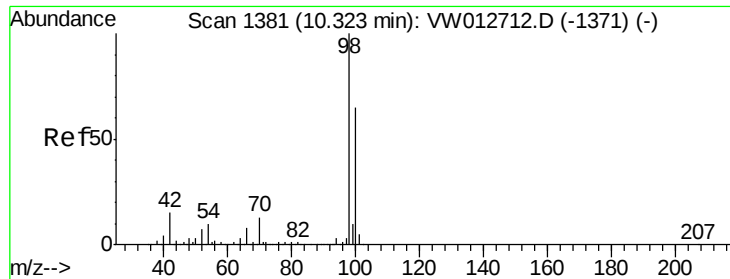
Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW





#50

Toluene-d8

Concen: 48.257 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012921.D

Acq: 11 Sep 2019 16:53

Instrument :

MSVOA_W

ClientSampleId :

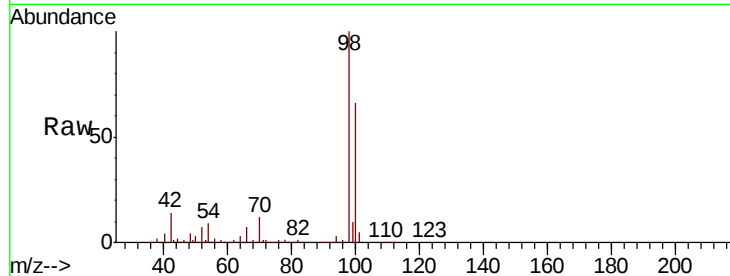
T1-1-(1.5)

Tgt Ion: 98 Resp: 409444

Ion Ratio Lower Upper

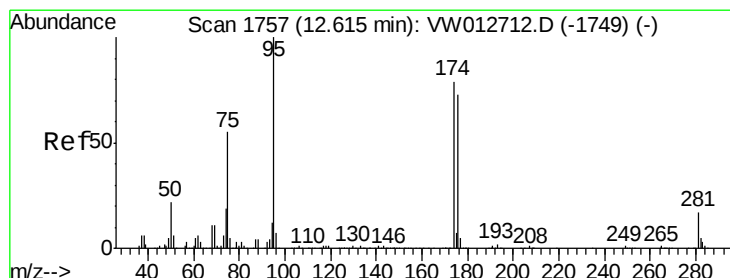
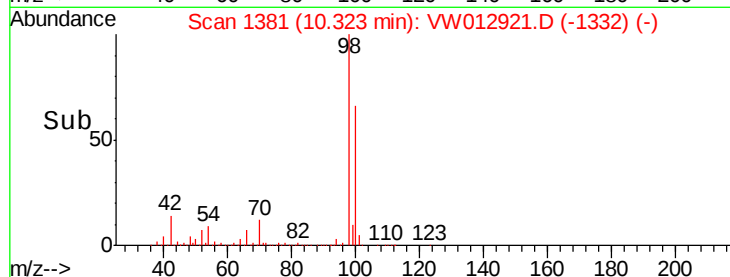
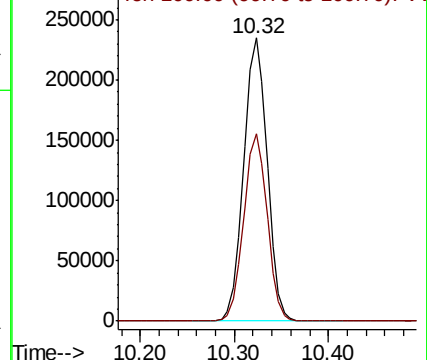
98 100

100 65.9 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 34.600 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012921.D

Acq: 11 Sep 2019 16:53

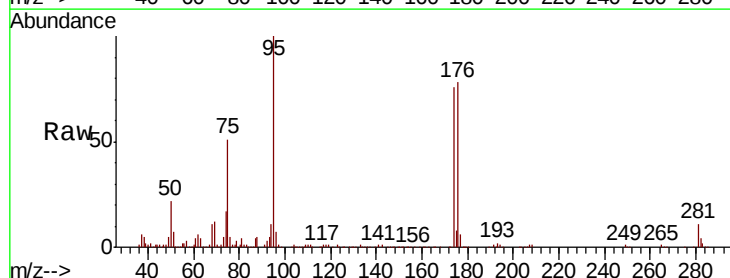
Tgt Ion: 95 Resp: 106573

Ion Ratio Lower Upper

95 100

174 82.1 0.0 161.0

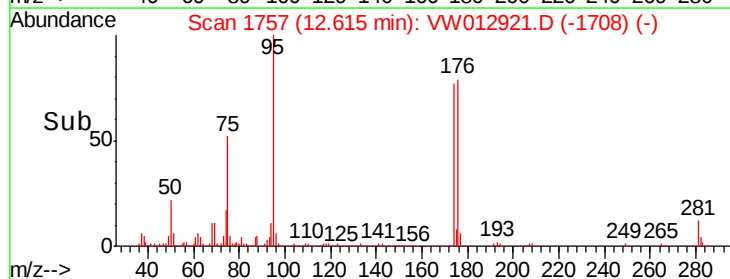
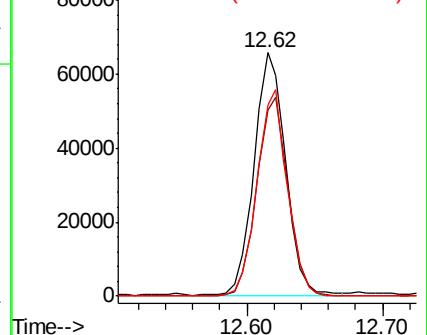
176 81.9 0.0 156.4

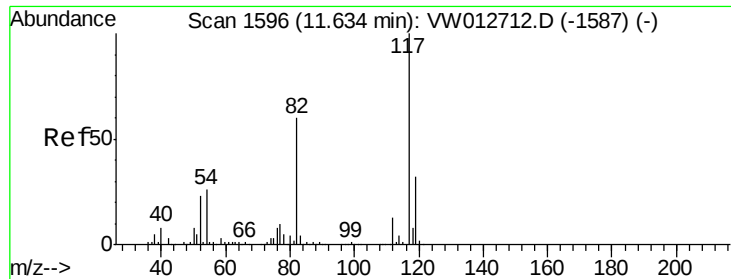


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW

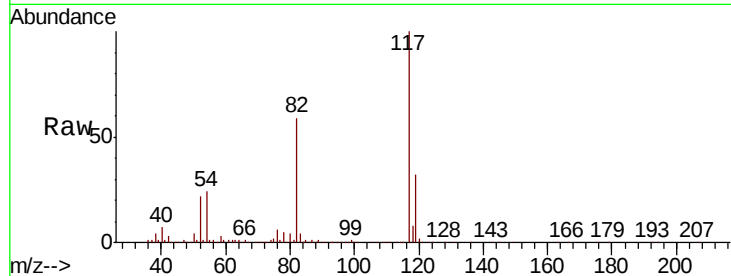




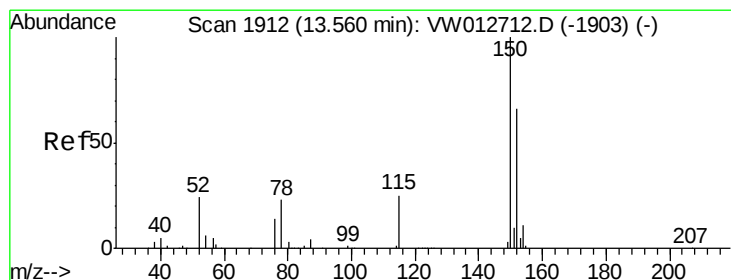
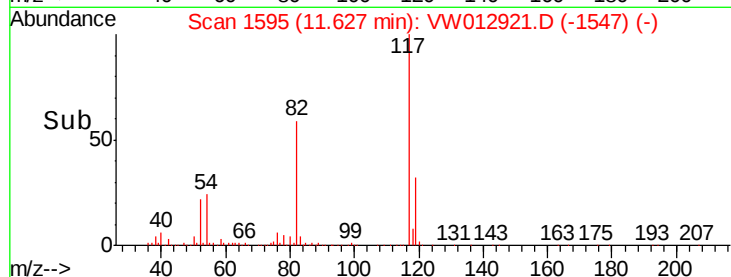
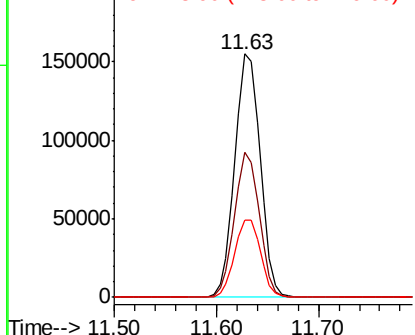
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012921.D
Acq: 11 Sep 2019 16:53

Instrument :
MSVOA_W
ClientSampleId :
T1-1-(1.5)

Tgt Ion:117 Resp: 267348
Ion Ratio Lower Upper
117 100
82 59.3 48.2 72.4
119 31.9 25.8 38.6

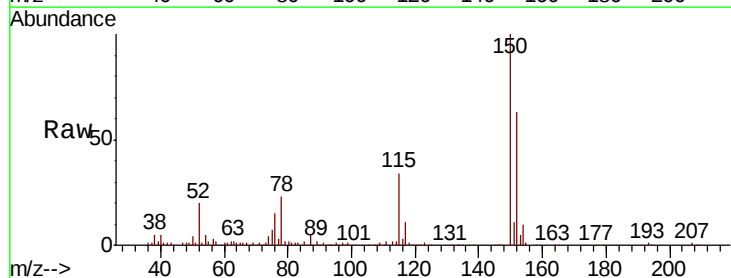


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

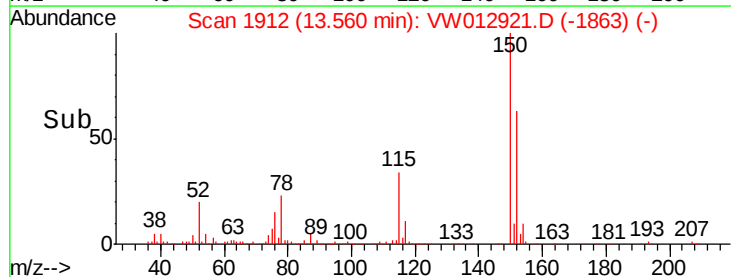
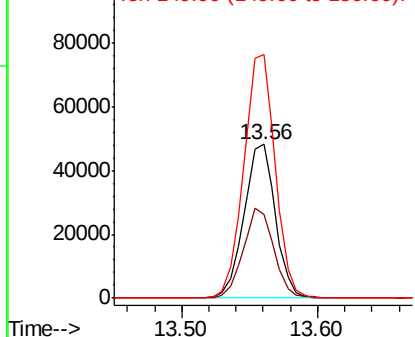


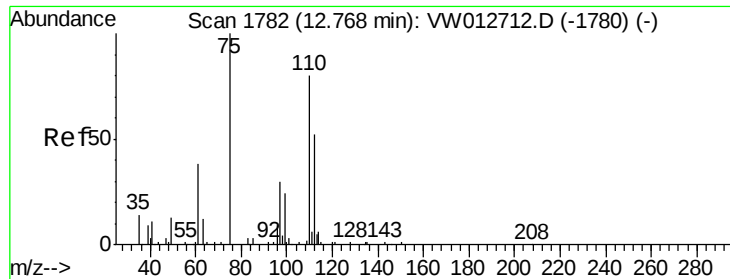
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012921.D
Acq: 11 Sep 2019 16:53

Tgt Ion:152 Resp: 77859
Ion Ratio Lower Upper
152 100
115 57.0 30.0 90.1
150 158.6 0.0 349.0



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: 69.128 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012921.D

Acq: 11 Sep 2019 16:53

Instrument :

MSVOA_W

ClientSampleId :

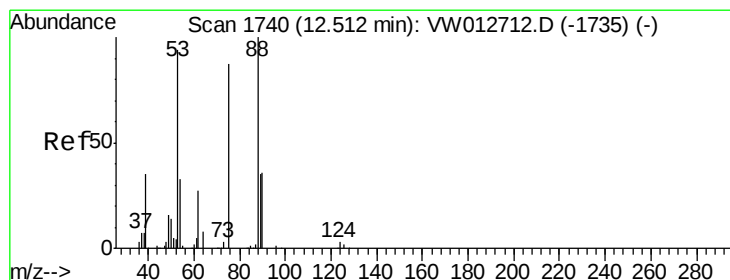
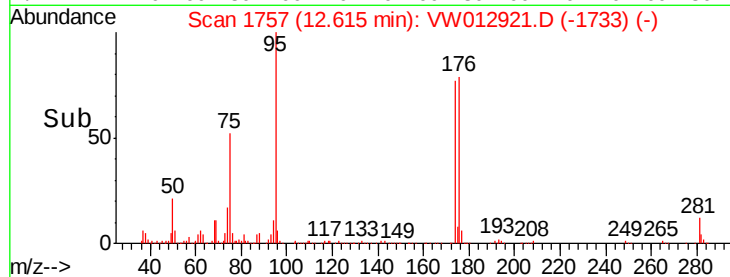
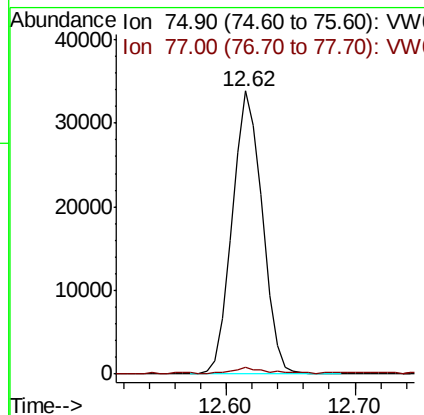
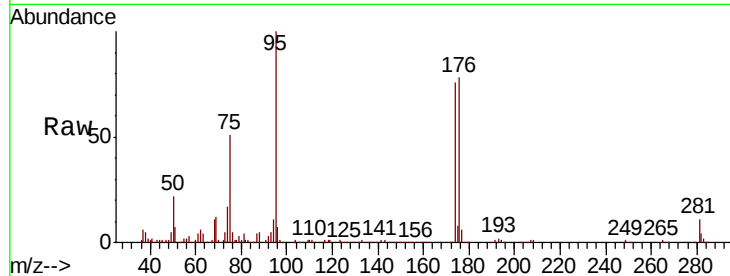
T1-1-(1.5)

Tgt Ion: 75 Resp: 55036

Ion Ratio Lower Upper

75 100

77 2.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 146.211 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012921.D

Acq: 11 Sep 2019 16:53

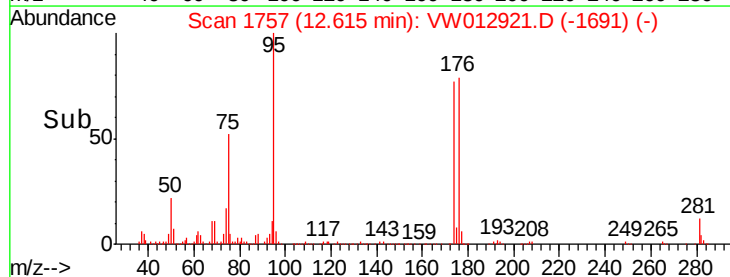
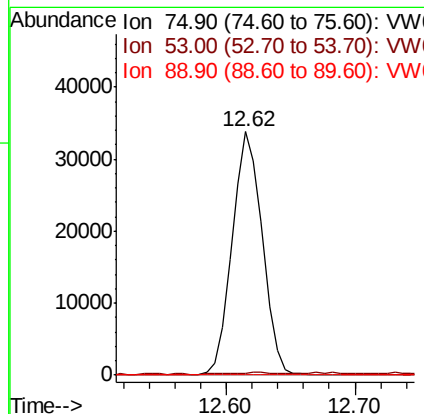
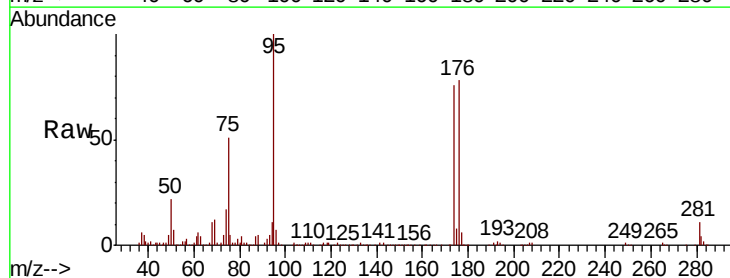
Tgt Ion: 75 Resp: 55036

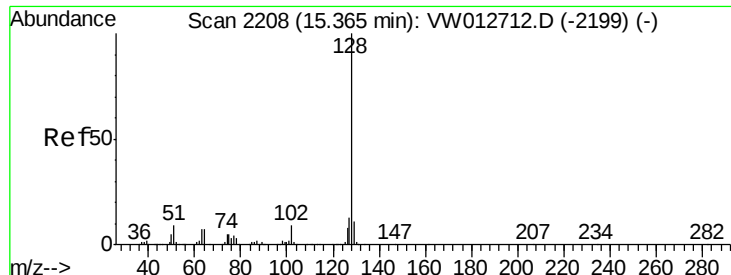
Ion Ratio Lower Upper

75 100

53 1.1 87.6 131.4#

89 0.0 35.5 53.3#





#95
Naphthalene
Concen: 4.628 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012921.D
Acq: 11 Sep 2019 16:53

Instrument :
MSVOA_W
ClientSampleId :
T1-1-(1.5)

Tgt Ion:128 Resp: 676
Ion Ratio Lower Upper
128 100
127 18.2 10.7 16.1#
129 0.0 8.7 13.1#

