

Data File : VW013438.D
Acq On : 04 Oct 2019 14:54
Operator : SY/VA
Sample : K5213-02
Misc : 5.09G/5ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
S-1(5-10)

Quant Time: Oct 05 04:53:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 02 11:49:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	95828	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	130599	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	108401	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	45616	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	34252	47.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.74%	
35) Dibromofluoromethane	7.88	113	34944	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	
50) Toluene-d8	10.32	98	151653	53.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.66%	
62) 4-Bromofluorobenzene	12.62	95	46079	48.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.04%	

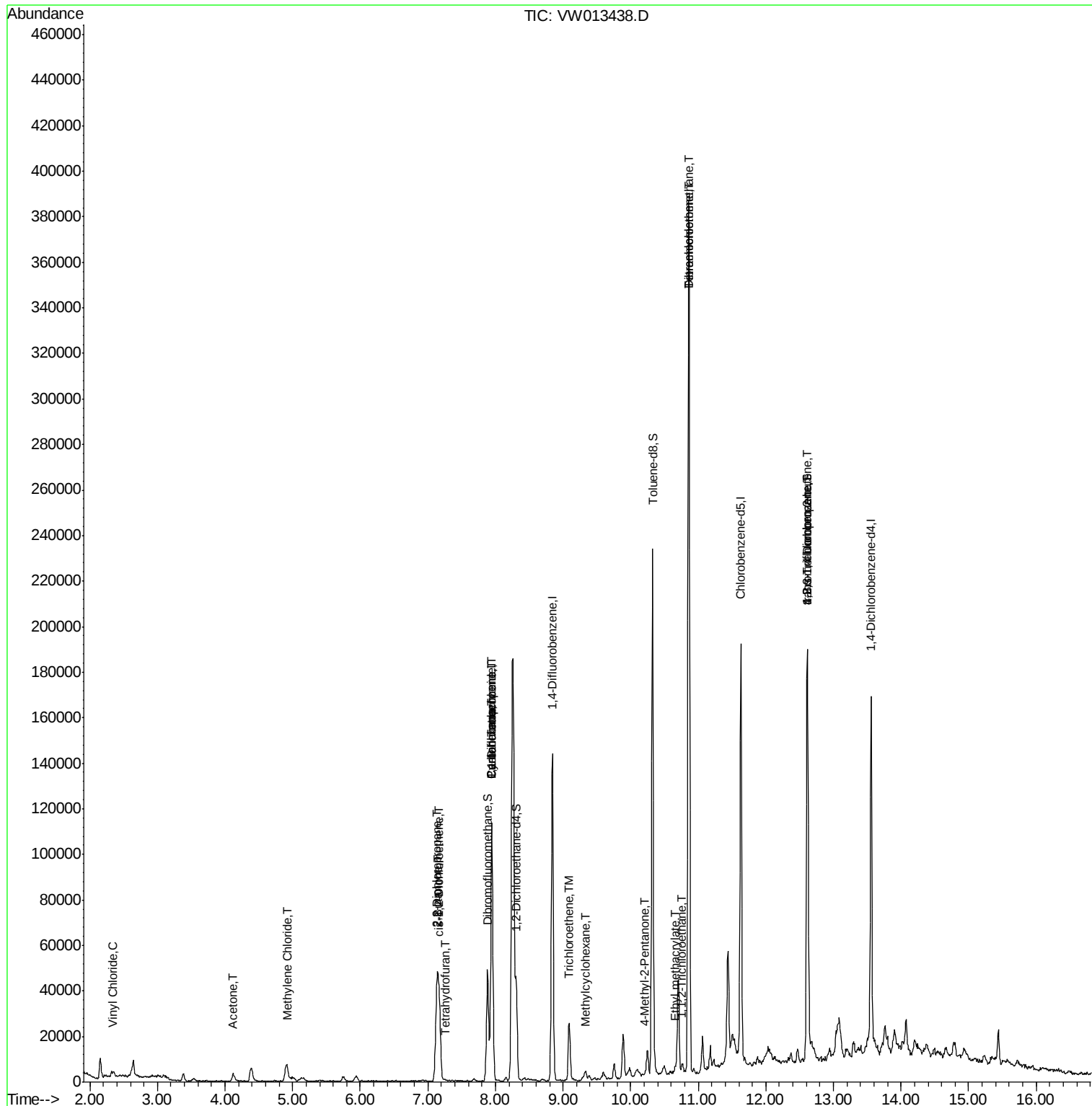
Target Compounds					Qvalue	
4) Vinyl Chloride	2.35	62	1577	1.817	ug/l	100
11) Tert butyl alcohol	5.17	59	1598	Below	Cal #	87
16) Acetone	4.12	43	6170	28.132	ug/l #	81
20) Methylene Chloride	4.91	84	5791	4.703	ug/l	87
25) 2-Butanone	7.15	43	520	1.853	ug/l #	65
26) 2,2-Dichloropropane	7.14	77	2892	1.651	ug/l #	52
27) cis-1,2-Dichloroethene	7.17	96	19029	19.352	ug/l	93
29) Tetrahydrofuran	7.25	42	50	9.988	ug/l #	34
31) Cyclohexane	7.95	56	1809	1.105	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	6567	5.414	ug/l #	47
38) Carbon Tetrachloride	7.95	117	8040	7.652	ug/l #	16
39) Methylcyclohexane	9.34	83	1756	1.099	ug/l #	53
44) Trichloroethene	9.09	130	9862	10.199	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	853	1.611	ug/l #	69
55) 1,1,2-Trichloroethane	10.76	97	1426	2.328	ug/l #	36
56) Ethyl methacrylate	10.65	69	907	1.100	ug/l #	72
60) Dibromochloromethane	10.86	129	77236	110.209	ug/l #	11
64) Tetrachloroethene	10.86	164	95588	115.906	ug/l	94
76) 1,2,3-Trichloropropane	12.62	75	21633	53.359	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	21633	108.137	ug/l #	13

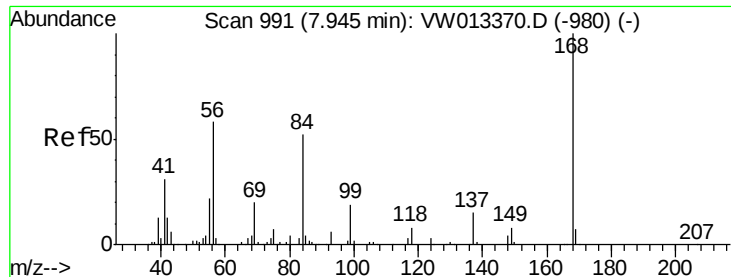
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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S-1(5-10)

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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: VW013438.D

Acq: 04 Oct 2019 14:54

Instrument :

MSVOA_W

ClientSampleId :

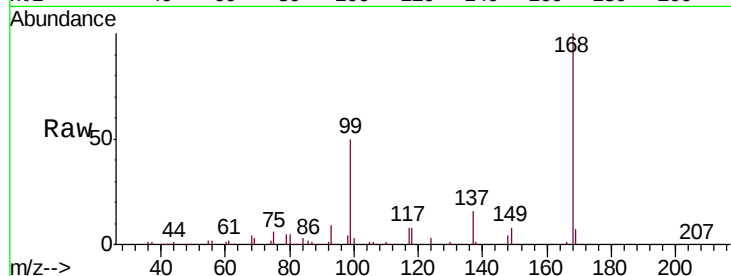
S-1(5-10)

Tgt Ion:168 Resp: 95828

Ion Ratio Lower Upper

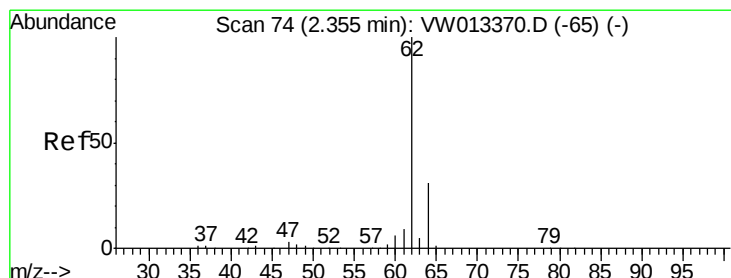
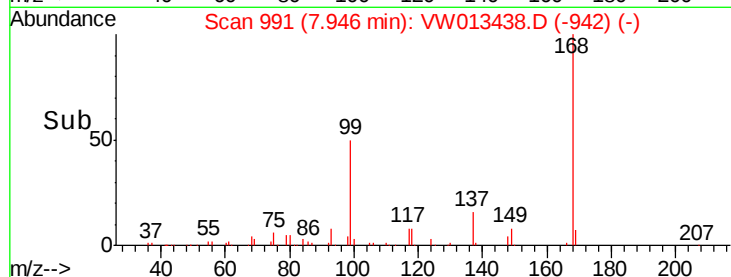
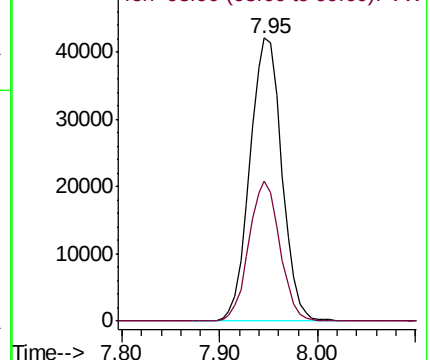
168 100

99 49.6 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#4

Vinyl Chloride

Concen: 1.817 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.01 min

Lab File: VW013438.D

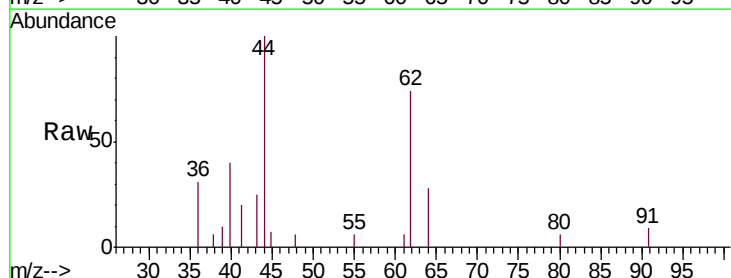
Acq: 04 Oct 2019 14:54

Tgt Ion: 62 Resp: 1577

Ion Ratio Lower Upper

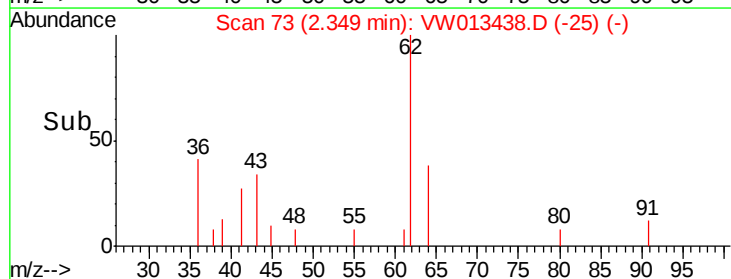
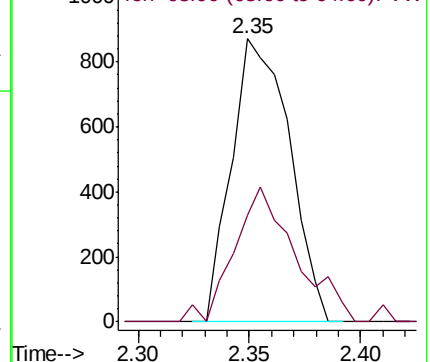
62 100

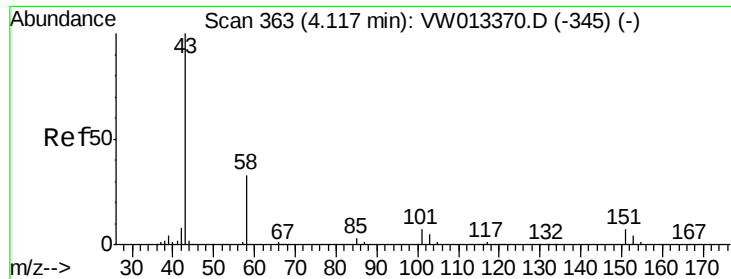
64 31.5 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#16

Acetone

Concen: 28.132 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW013438.D

Acq: 04 Oct 2019 14:54

Instrument :

MSVOA_W

ClientSampleId :

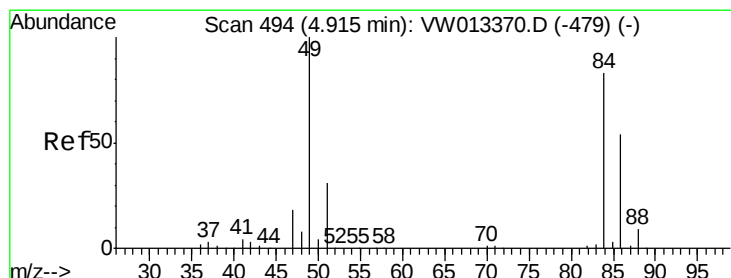
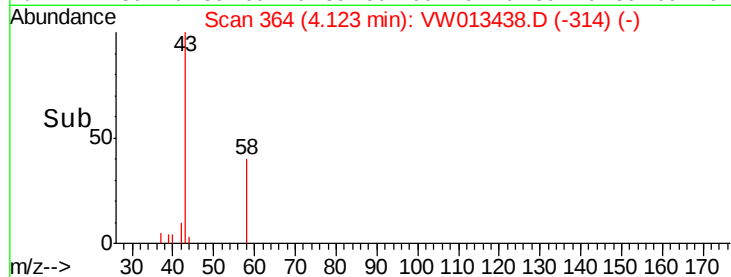
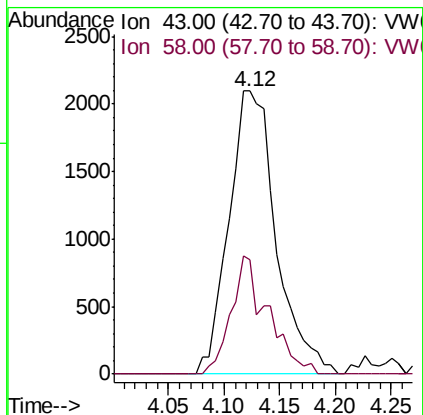
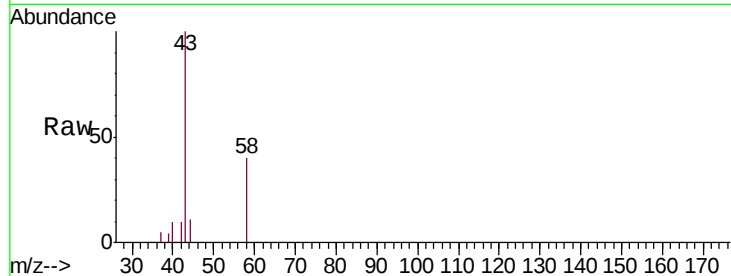
S-1(5-10)

Tgt Ion: 43 Resp: 6170

Ion Ratio Lower Upper

43 100

58 40.3 24.1 36.1#



#20

Methylene Chloride

Concen: 4.703 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW013438.D

Acq: 04 Oct 2019 14:54

Tgt Ion: 84 Resp: 5791

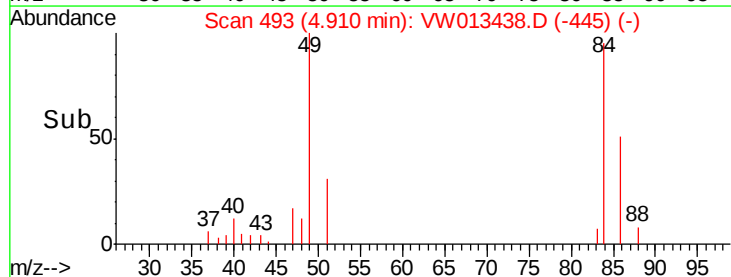
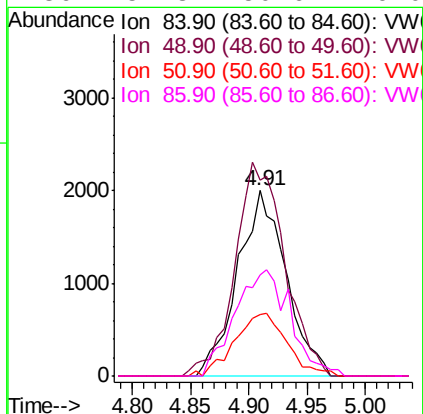
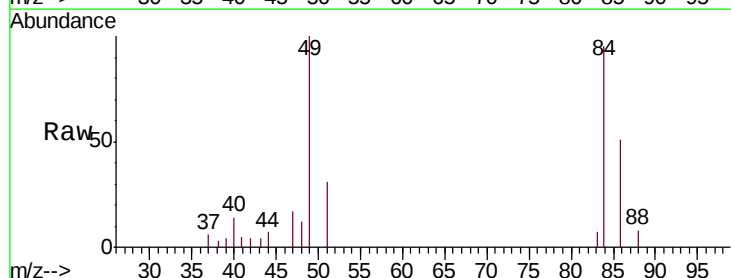
Ion Ratio Lower Upper

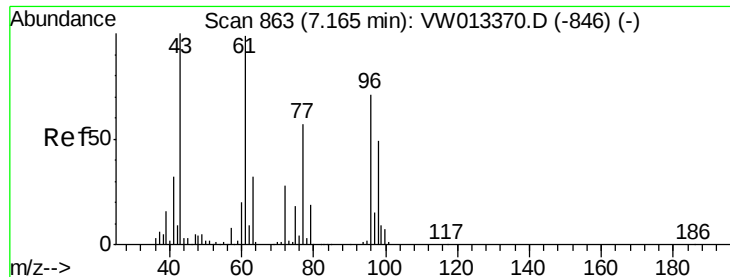
84 100

49 105.6 97.6 146.4

51 33.1 30.2 45.2

86 54.3 50.6 76.0





#25

2-Butanone

Concen: 1.853 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.01 min

Lab File: VW013438.D

Acq: 04 Oct 2019 14:54

Instrument :

MSVOA_W

ClientSampleId :

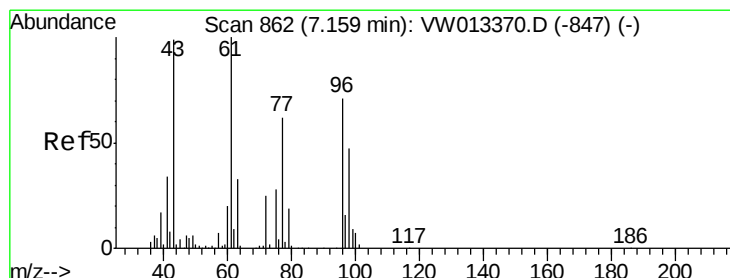
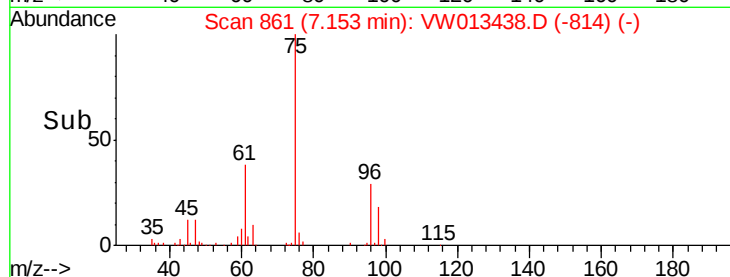
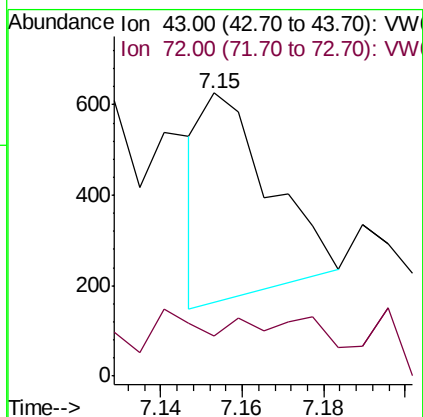
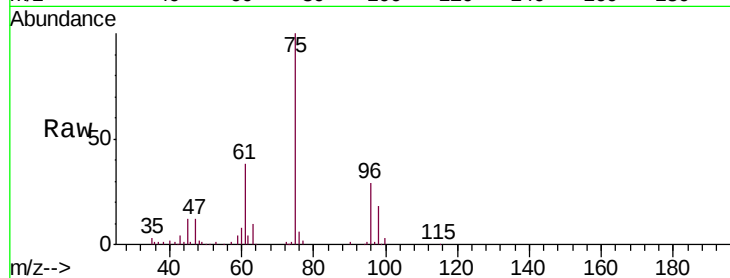
S-1(5-10)

Tgt Ion: 43 Resp: 520

Ion Ratio Lower Upper

43 100

72 6.7 19.4 29.0#



#26

2,2-Dichloropropane

Concen: 1.651 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW013438.D

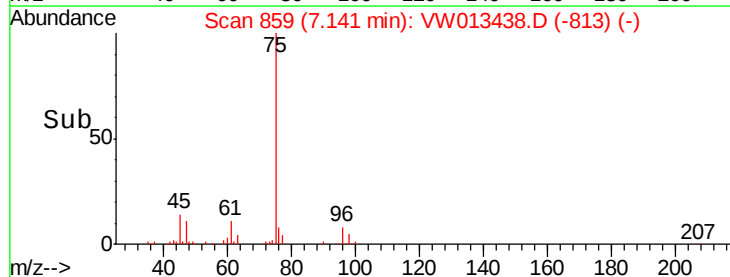
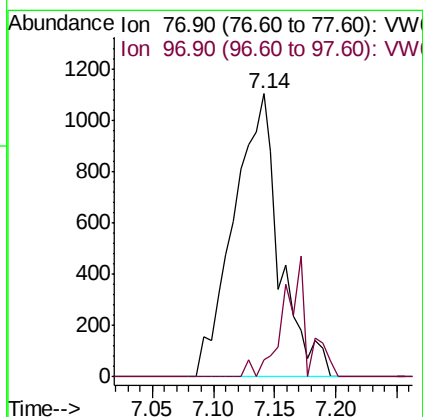
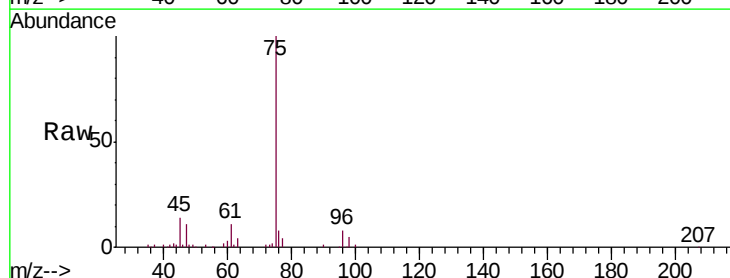
Acq: 04 Oct 2019 14:54

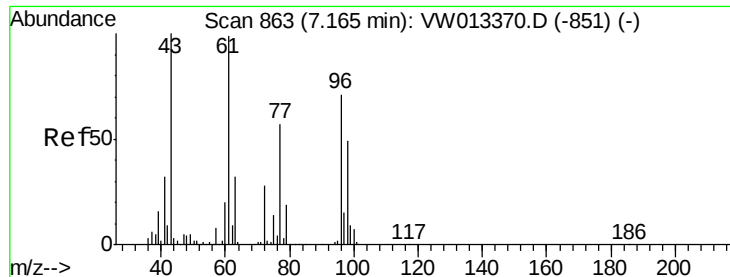
Tgt Ion: 77 Resp: 2892

Ion Ratio Lower Upper

77 100

97 0.0 11.8 35.4#



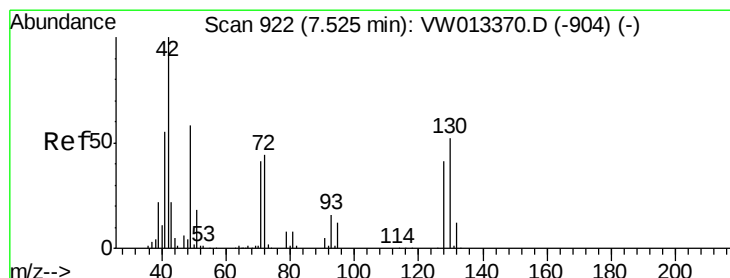
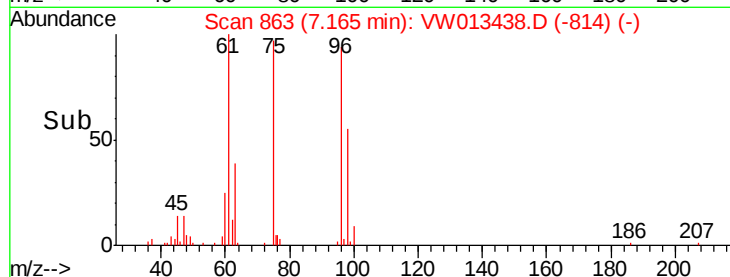
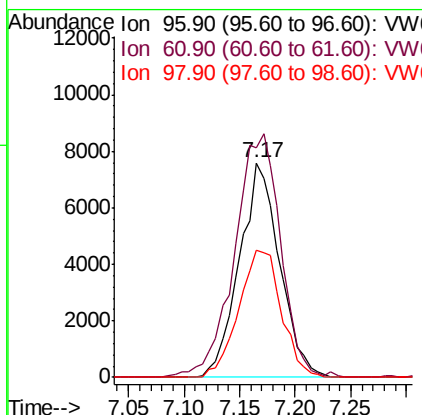
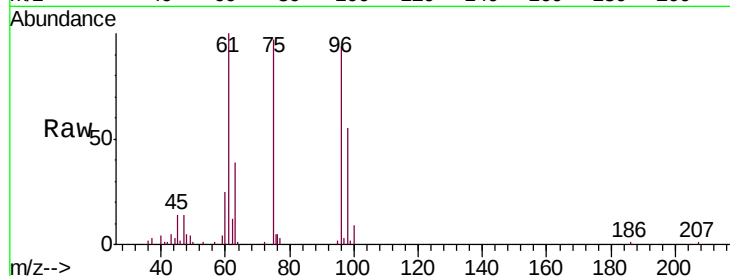


#27

cis-1,2-Dichloroethene
Concen: 19.352 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW013438.D
Acq: 04 Oct 2019 14:54

Instrument :
MSVOA_W
ClientSampled :
S-1(5-10)

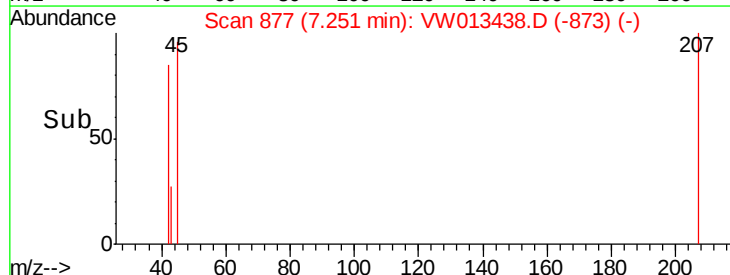
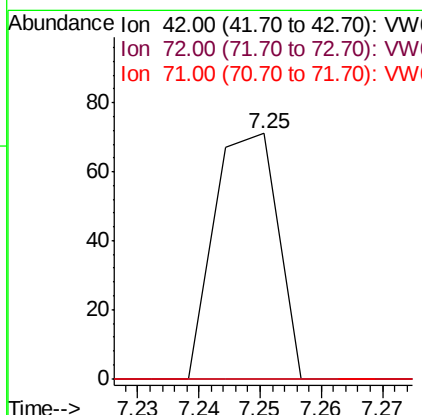
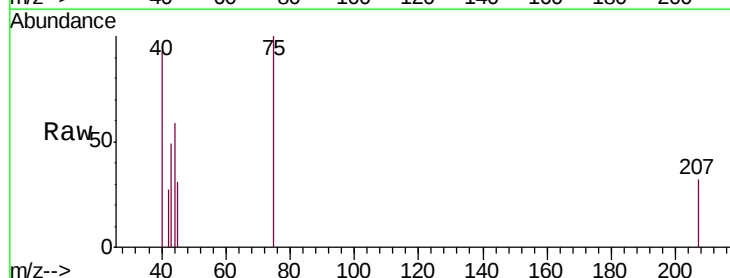
Tgt Ion: 96 Resp: 19029
Ion Ratio Lower Upper
96 100
61 130.2 0.0 282.4
98 62.6 0.0 128.2

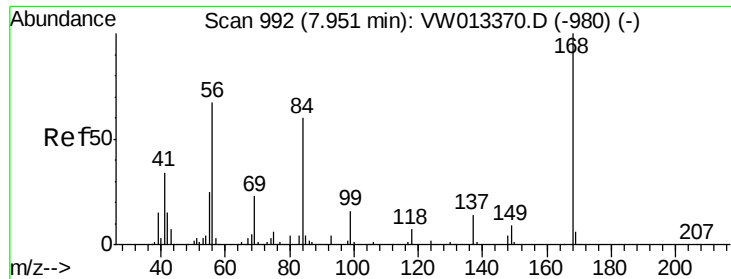


#29

Tetrahydrofuran
Concen: 9.988 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.27 min
Lab File: VW013438.D
Acq: 04 Oct 2019 14:54

Tgt Ion: 42 Resp: 50
Ion Ratio Lower Upper
42 100
72 0.0 33.9 50.9#
71 0.0 31.9 47.9#

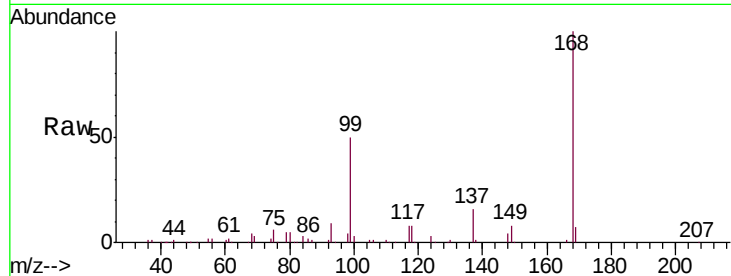




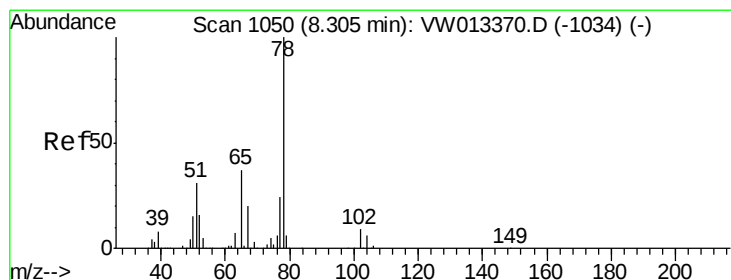
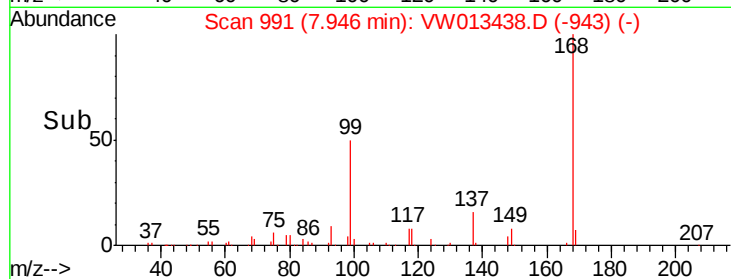
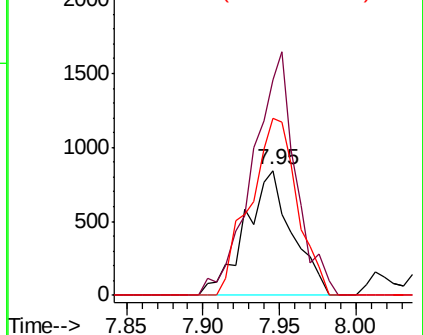
#31
Cyclohexane
Concen: 1.105 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW013438.D
Acq: 04 Oct 2019 14:54

Instrument :
MSVOA_W
ClientSampleId :
S-1(5-10)

Tgt Ion: 56 Resp: 1809
Ion Ratio Lower Upper
56 100
69 172.5 27.2 40.8#
84 141.7 70.8 106.2#

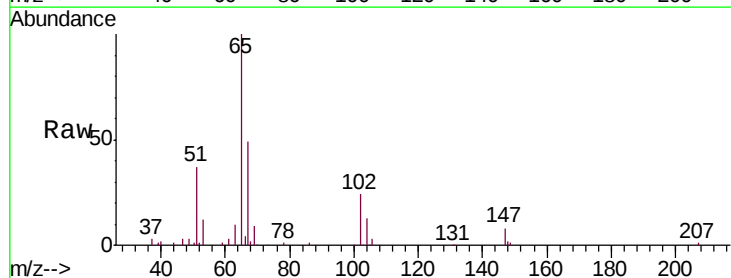


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

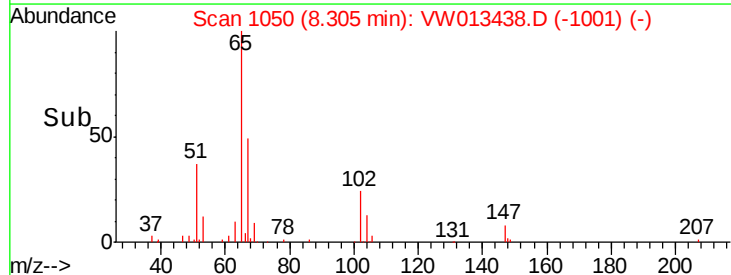
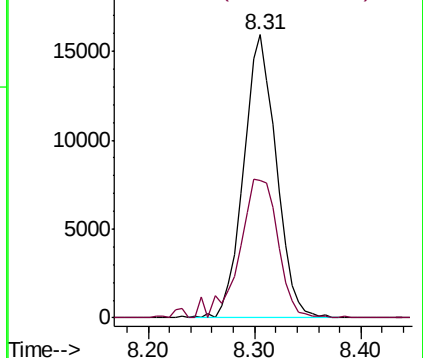


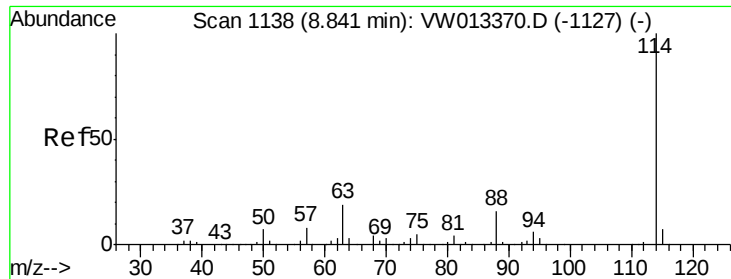
#33
1,2-Dichloroethane-d4
Concen: 47.870 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW013438.D
Acq: 04 Oct 2019 14:54

Tgt Ion: 65 Resp: 34252
Ion Ratio Lower Upper
65 100
67 57.9 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

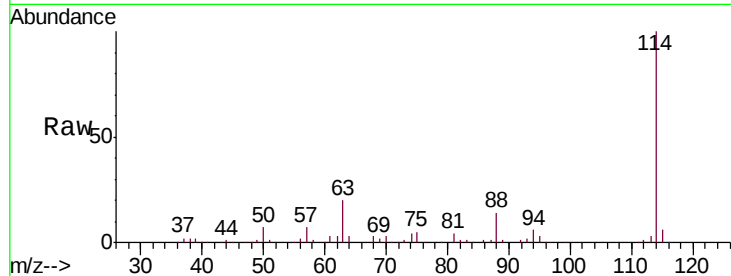




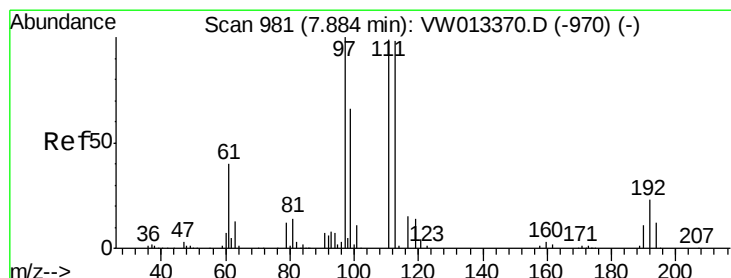
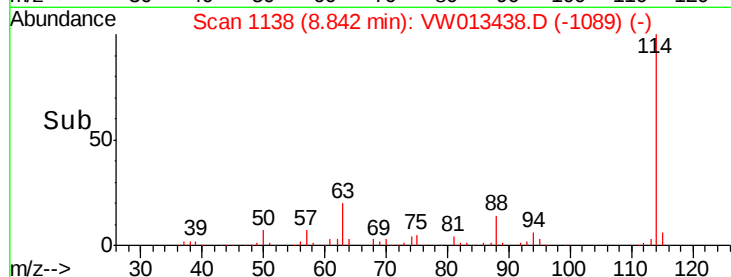
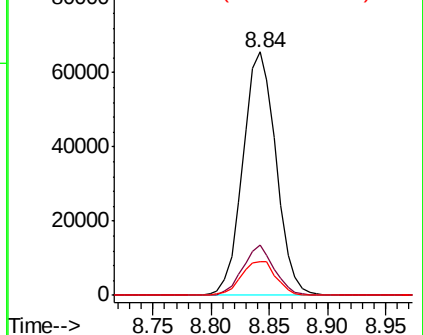
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW013438.D
Acq: 04 Oct 2019 14:54

Instrument :
MSVOA_W
ClientSampleId :
S-1(5-10)

Tgt Ion:114 Resp: 130599
Ion Ratio Lower Upper
114 100
63 20.5 0.0 41.4
88 13.9 0.0 32.0

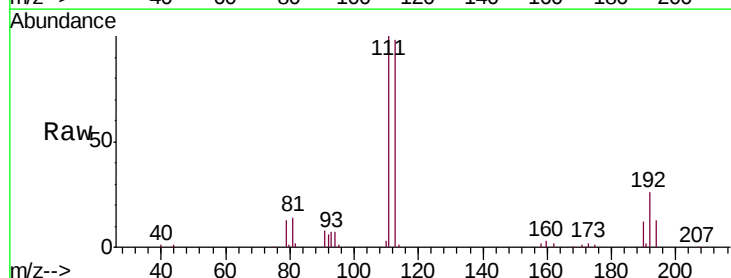


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

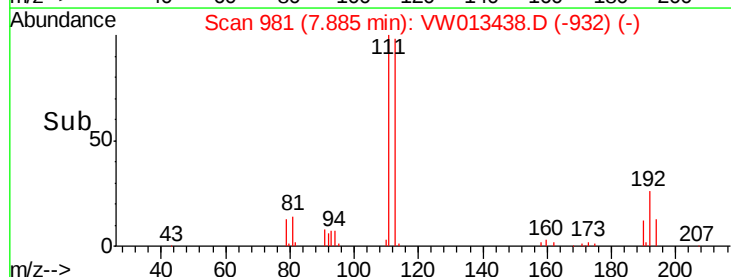
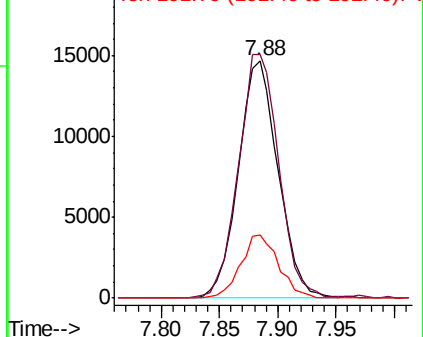


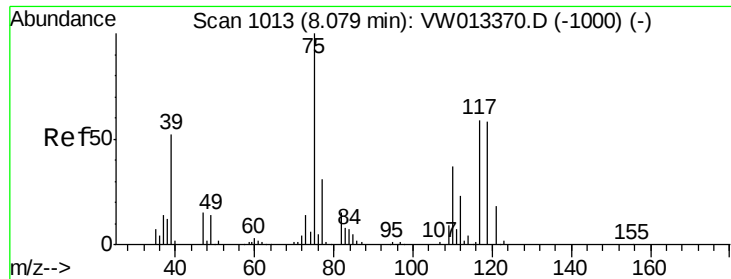
#35
Dibromofluoromethane
Concen: 50.992 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW013438.D
Acq: 04 Oct 2019 14:54

Tgt Ion:113 Resp: 34944
Ion Ratio Lower Upper
113 100
111 104.2 81.9 122.9
192 25.2 19.1 28.7



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

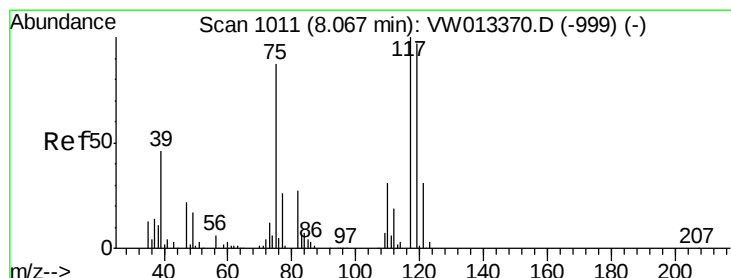
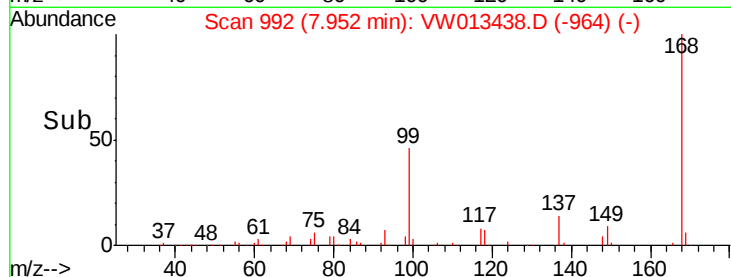
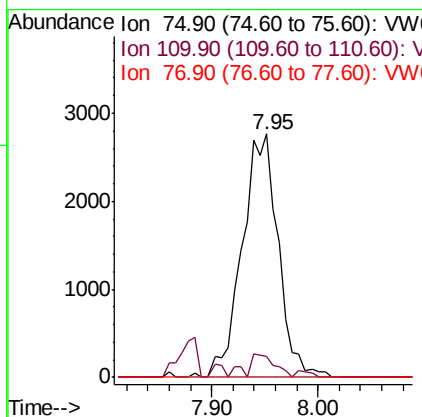
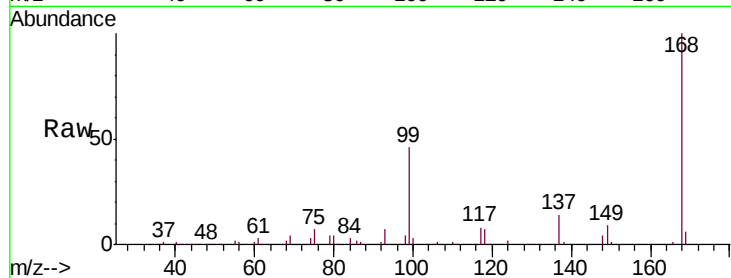




#36
 1,1-Dichloropropene
 Concen: 5.414 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW013438.D
 Acq: 04 Oct 2019 14:54

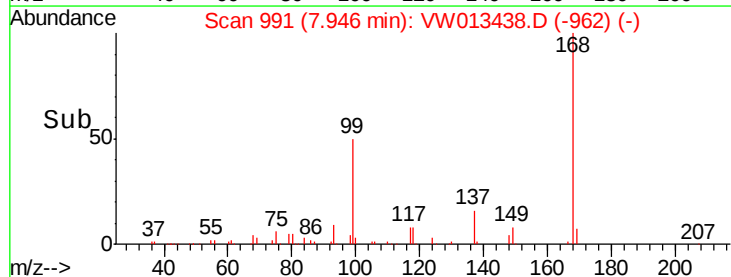
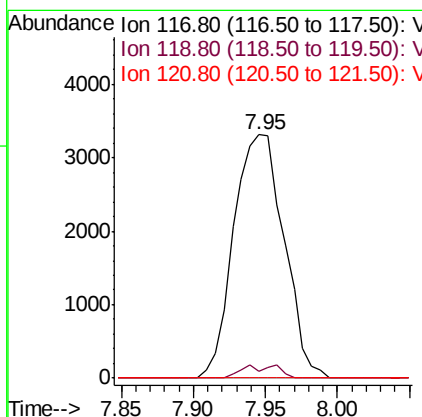
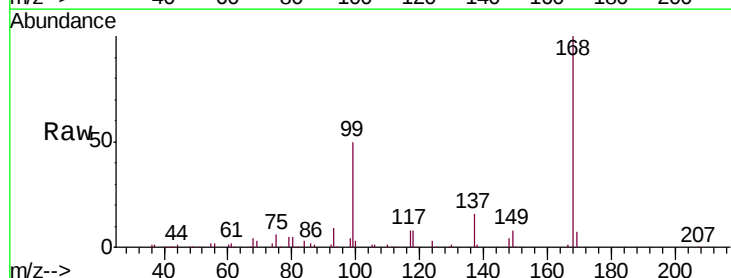
Instrument :
 MSVOA_W
 ClientSampleId :
 S-1(5-10)

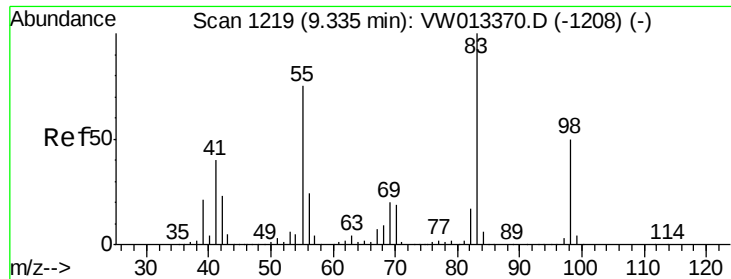
Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.4	18.1	54.3#
77	0.0	25.8	38.6#



#38
 Carbon Tetrachloride
 Concen: 7.652 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW013438.D
 Acq: 04 Oct 2019 14:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	2.6	73.5	110.3#
121	0.0	25.0	37.6#

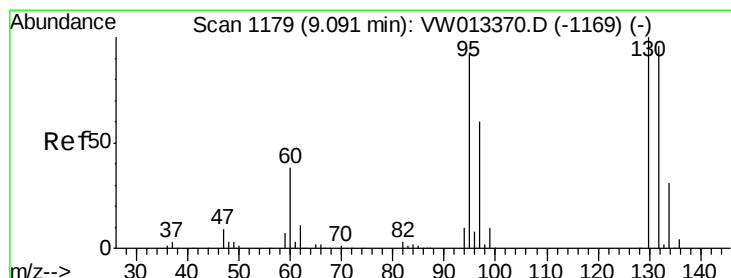
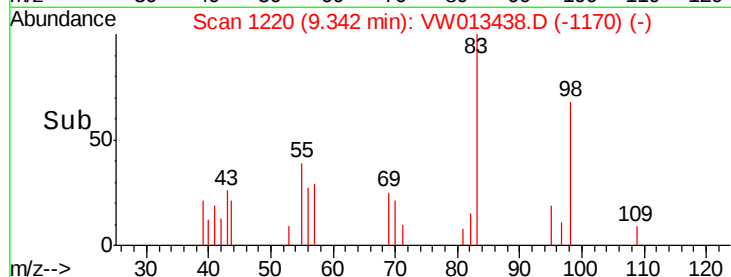
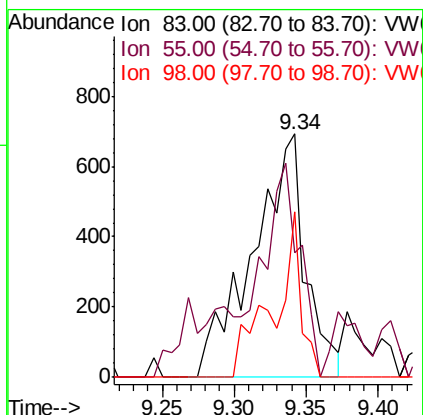
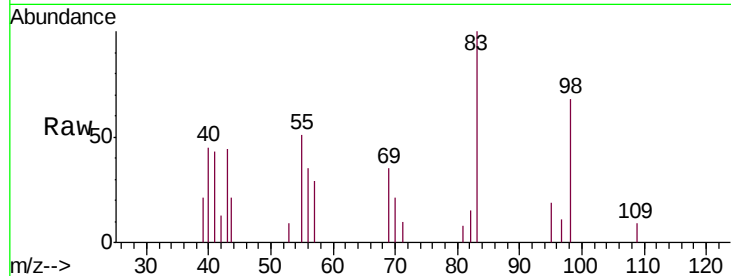




#39
Methylcyclohexane
Concen: 1.099 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. 0.01 min
Lab File: VW013438.D
Acq: 04 Oct 2019 14:54

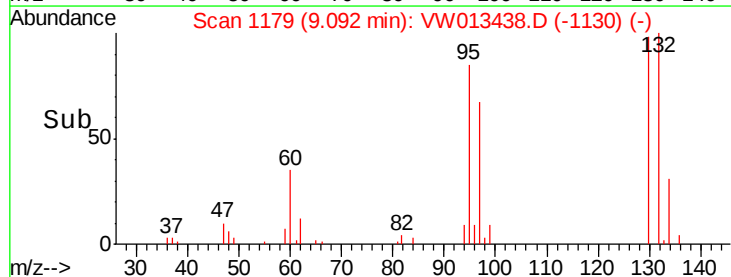
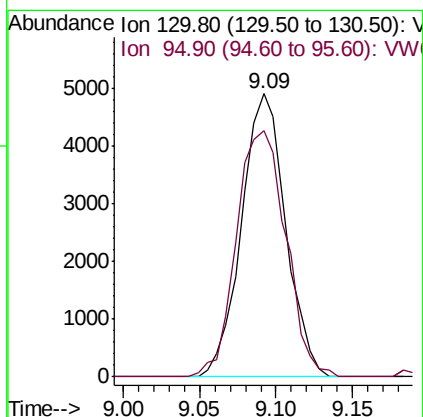
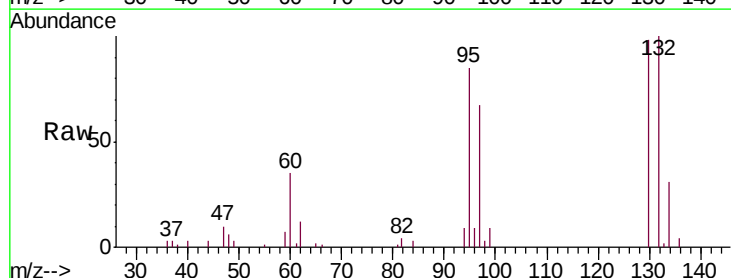
Instrument :
MSVOA_W
ClientSampleId :
S-1(5-10)

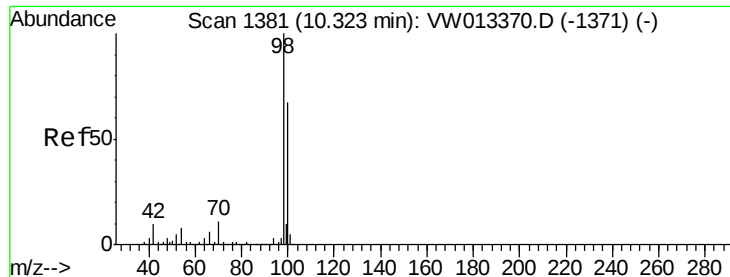
Tgt Ion: 83 Resp: 1756
Ion Ratio Lower Upper
83 100
55 24.0 60.4 90.6#
98 68.1 40.0 60.0#



#44
Trichloroethene
Concen: 10.199 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VW013438.D
Acq: 04 Oct 2019 14:54

Tgt Ion: 130 Resp: 9862
Ion Ratio Lower Upper
130 100
95 87.1 0.0 188.0





#50

Toluene-d8

Concen: 53.328 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW013438.D

Acq: 04 Oct 2019 14:54

Instrument :

MSVOA_W

ClientSampleId :

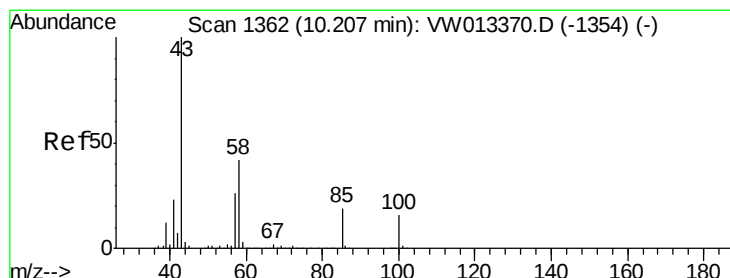
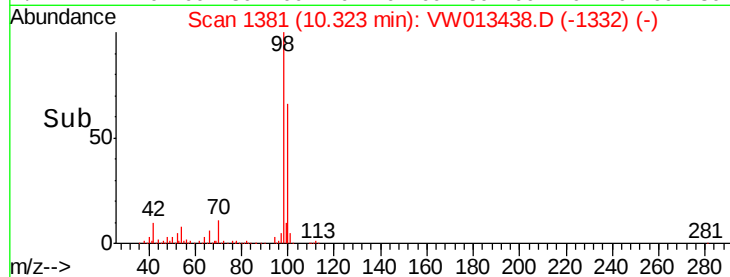
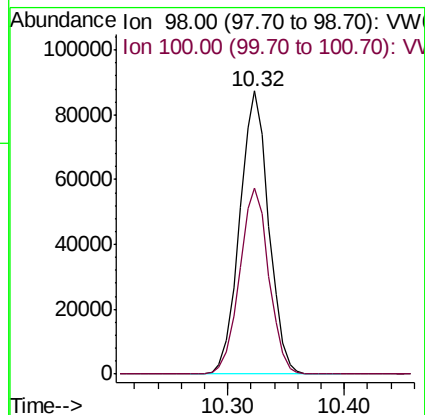
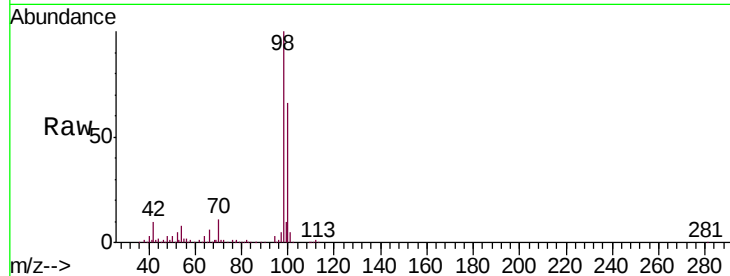
S-1(5-10)

Tgt Ion: 98 Resp: 151653

Ion Ratio Lower Upper

98 100

100 66.3 52.9 79.3



#51

4-Methyl-2-Pentanone

Concen: 1.611 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW013438.D

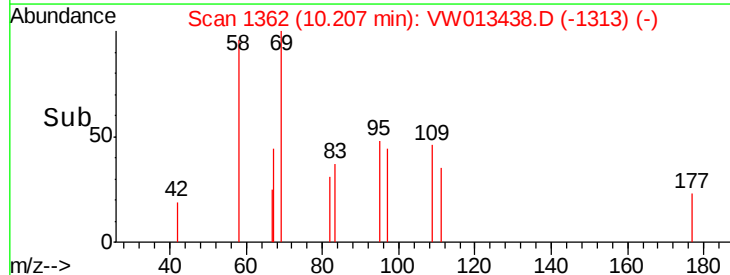
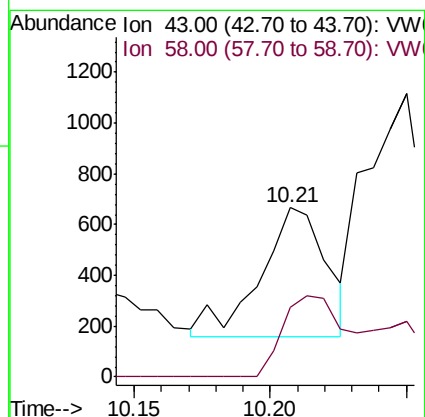
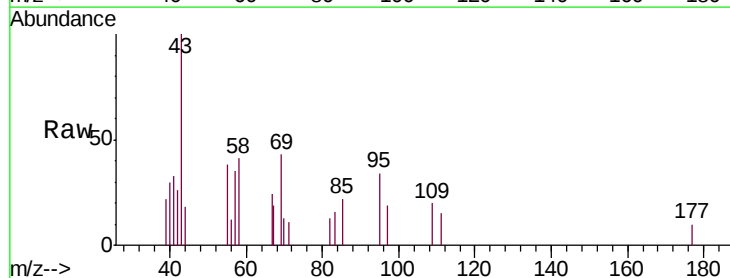
Acq: 04 Oct 2019 14:54

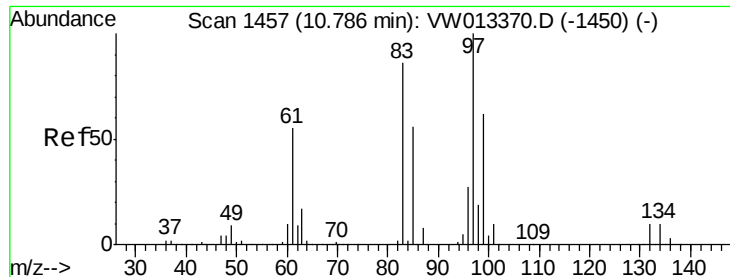
Tgt Ion: 43 Resp: 853

Ion Ratio Lower Upper

43 100

58 58.9 31.7 47.5#





#55

1,1,2-Trichloroethane

Concen: 2.328 ug/l

RT: 10.76 min Scan# 1453

Delta R.T. -0.02 min

Lab File: VW013438.D

Acq: 04 Oct 2019 14:54

Instrument :

MSVOA_W

ClientSampled :

S-1(5-10)

Tgt Ion: 97 Resp: 1426

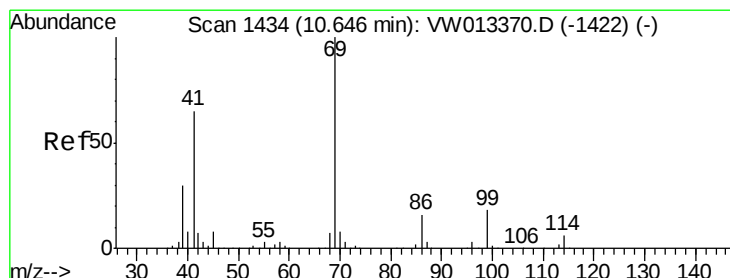
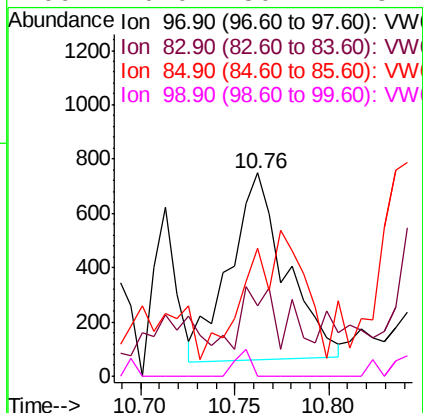
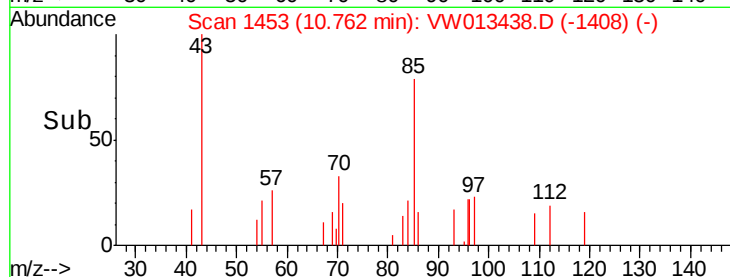
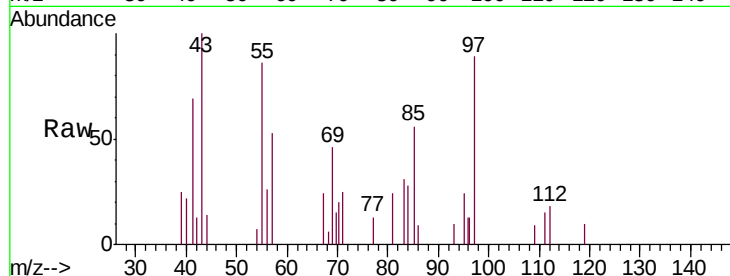
Ion Ratio Lower Upper

97 100

83 15.3 67.6 101.4#

85 34.2 41.9 62.9#

99 0.0 50.1 75.1#



#56

Ethyl methacrylate

Concen: 1.100 ug/l

RT: 10.65 min Scan# 1435

Delta R.T. 0.01 min

Lab File: VW013438.D

Acq: 04 Oct 2019 14:54

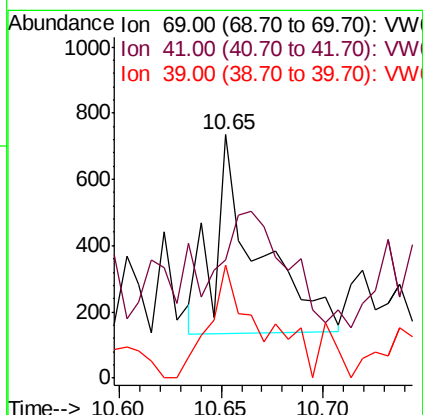
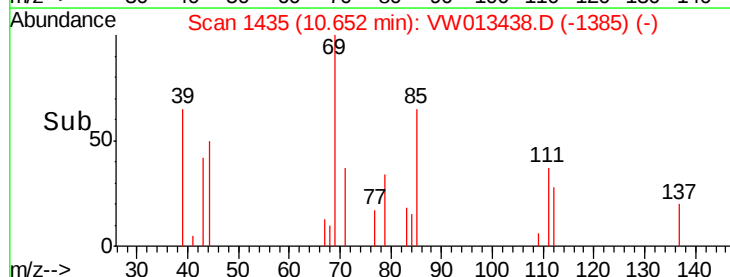
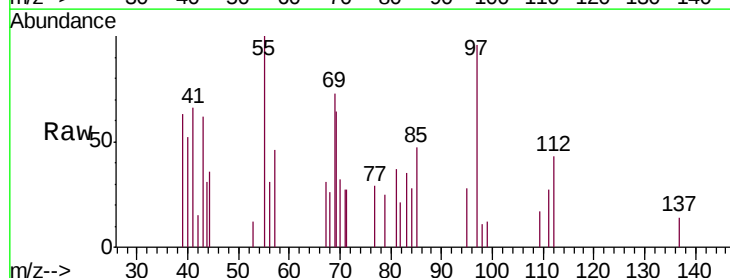
Tgt Ion: 69 Resp: 907

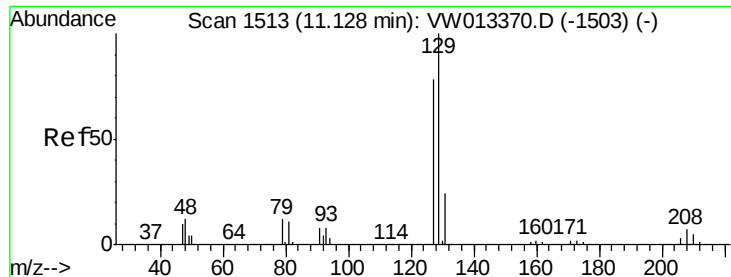
Ion Ratio Lower Upper

69 100

41 75.9 53.9 80.9

39 65.9 23.8 35.6#

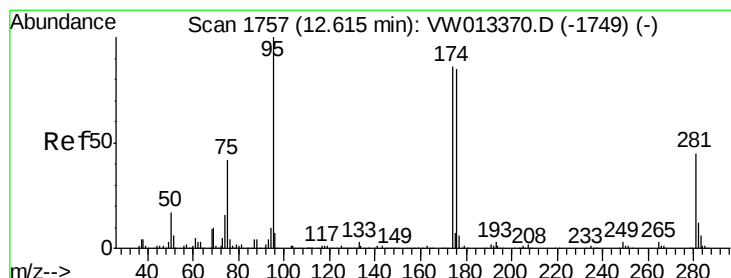
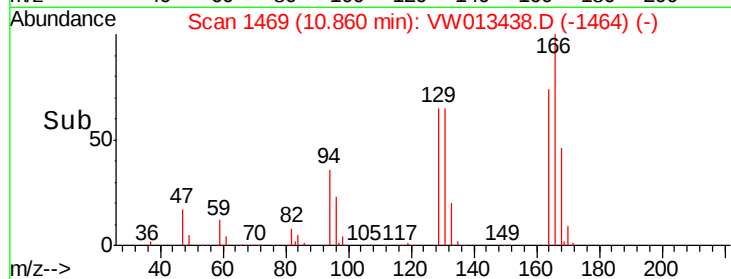
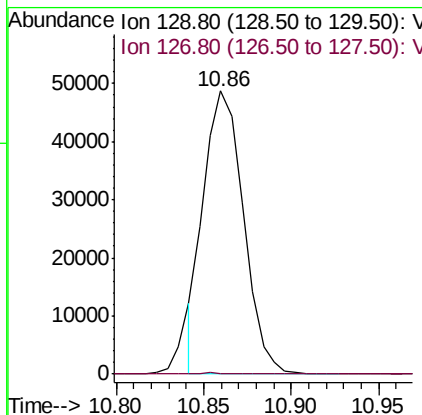
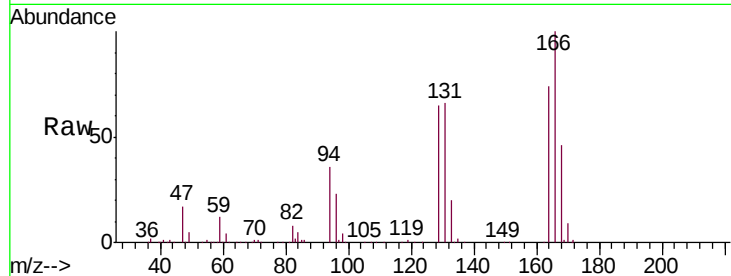




#60
 Dibromochloromethane
 Concen: 110.209 ug/l
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.27 min
 Lab File: VW013438.D
 Acq: 04 Oct 2019 14:54

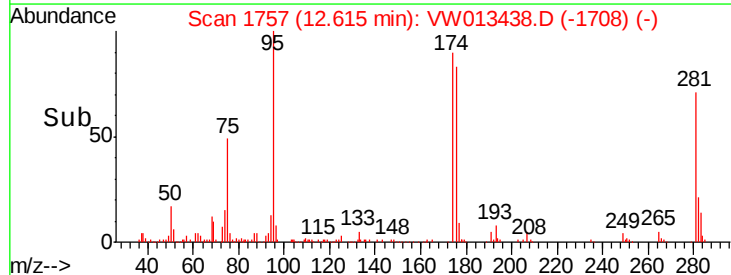
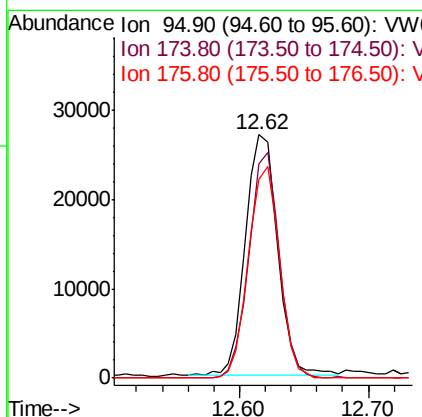
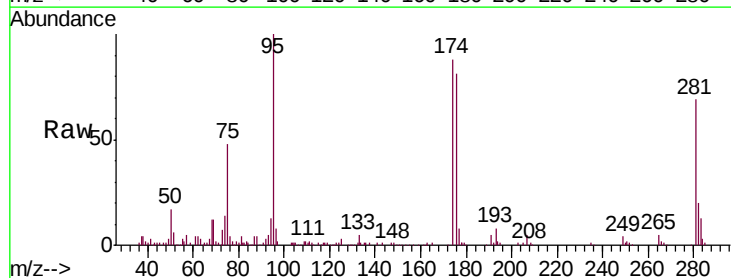
Instrument :
 MSVOA_W
 ClientSampled :
 S-1(5-10)

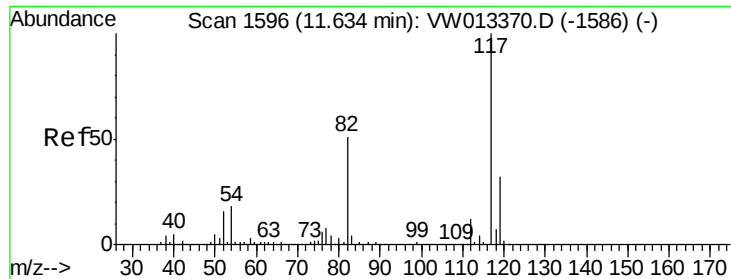
Tgt Ion: 129 Resp: 77236
 Ion Ratio Lower Upper
 129 100
 127 0.1 38.8 116.4#



#62
 4-Bromofluorobenzene
 Concen: 48.522 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW013438.D
 Acq: 04 Oct 2019 14:54

Tgt Ion: 95 Resp: 46079
 Ion Ratio Lower Upper
 95 100
 174 89.1 0.0 178.4
 176 85.8 0.0 172.2

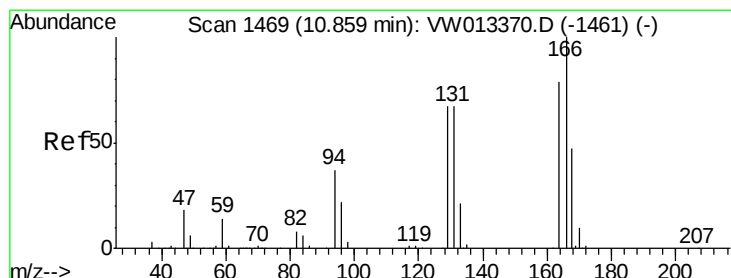
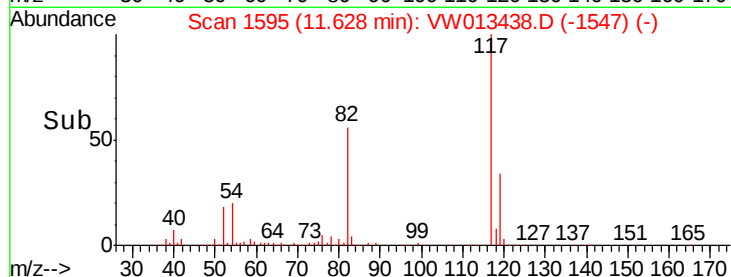
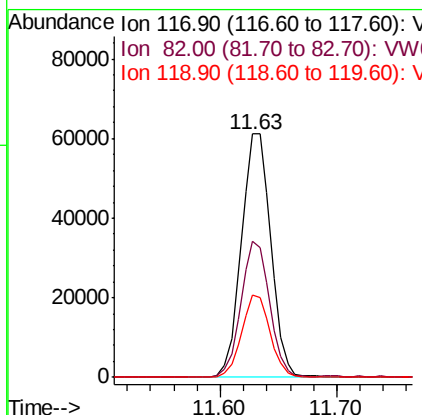
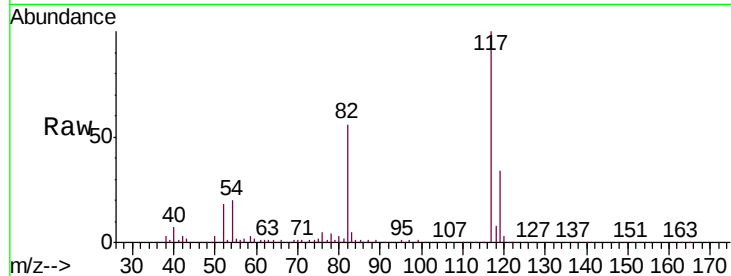




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013438.D
Acq: 04 Oct 2019 14:54

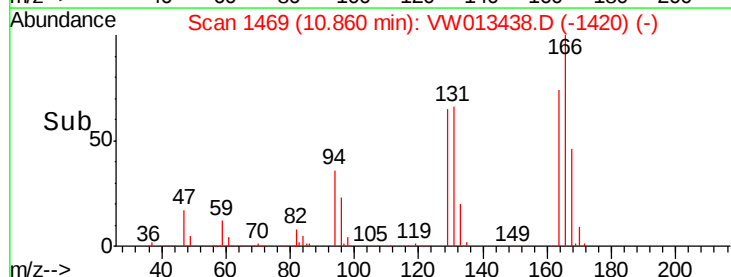
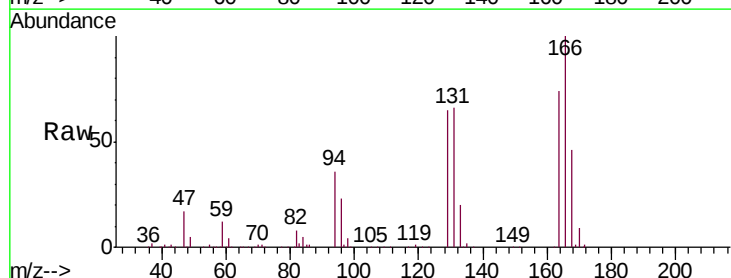
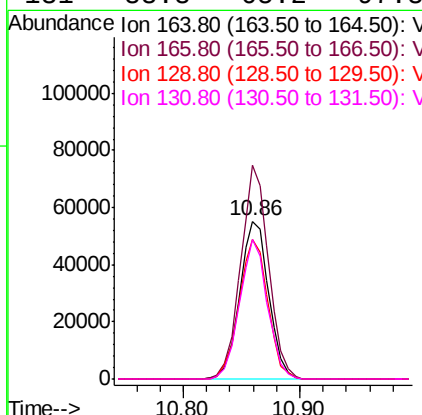
Instrument :
MSVOA_W
ClientSampleId :
S-1(5-10)

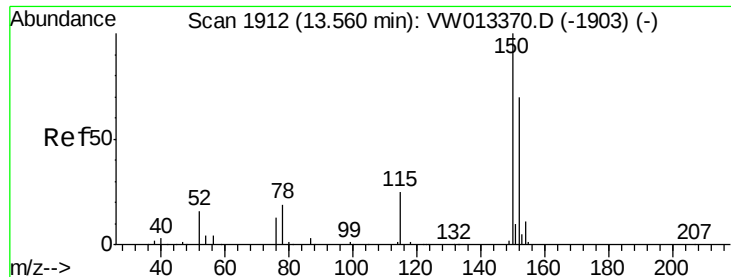
Tgt Ion:117 Resp: 108401
Ion Ratio Lower Upper
117 100
82 55.5 45.9 68.9
119 34.0 26.2 39.2



#64
Tetrachloroethene
Concen: 115.906 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW013438.D
Acq: 04 Oct 2019 14:54

Tgt Ion:164 Resp: 95588
Ion Ratio Lower Upper
164 100
166 135.5 101.2 151.8
129 88.2 68.8 103.2
131 88.8 65.2 97.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW013438.D

Acq: 04 Oct 2019 14:54

Instrument :

MSVOA_W

ClientSampleId :

S-1(5-10)

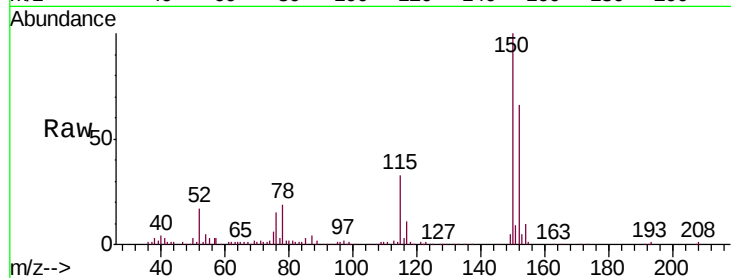
Tgt Ion:152 Resp: 45616

Ion Ratio Lower Upper

152 100

115 53.7 27.3 81.9

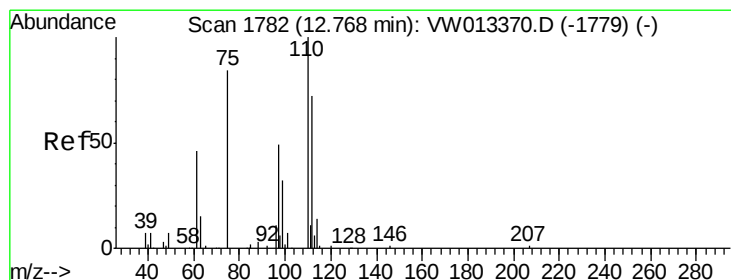
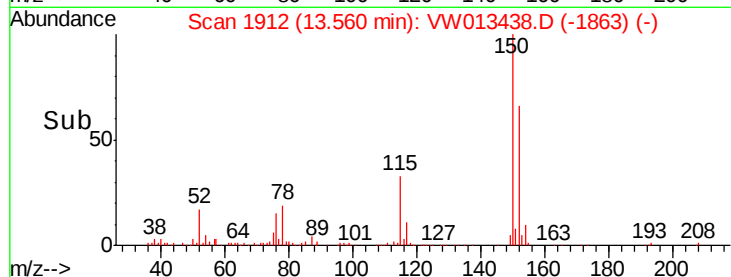
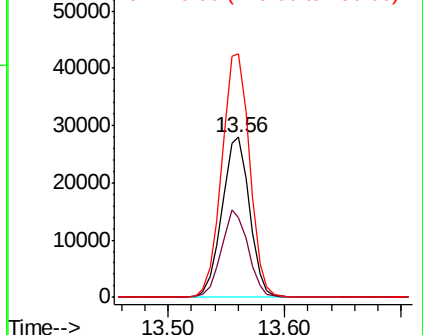
150 154.8 0.0 349.0



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: 53.359 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013438.D

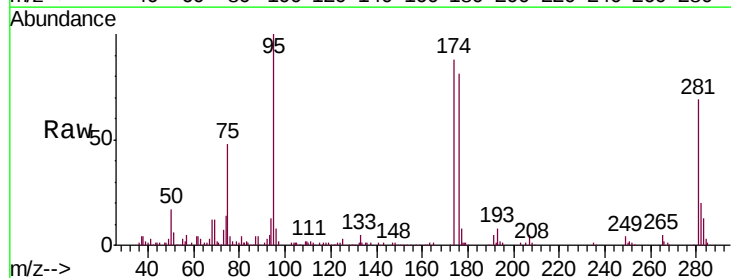
Acq: 04 Oct 2019 14:54

Tgt Ion: 75 Resp: 21633

Ion Ratio Lower Upper

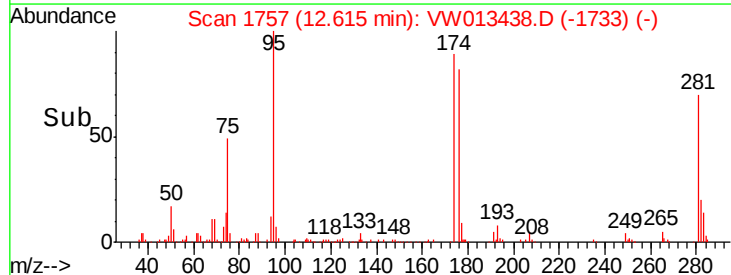
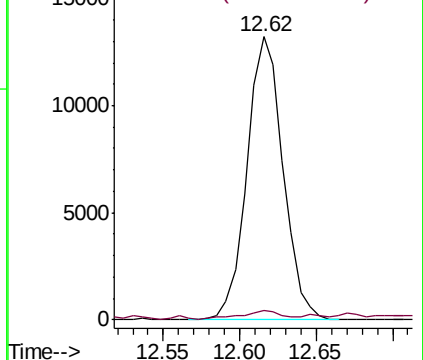
75 100

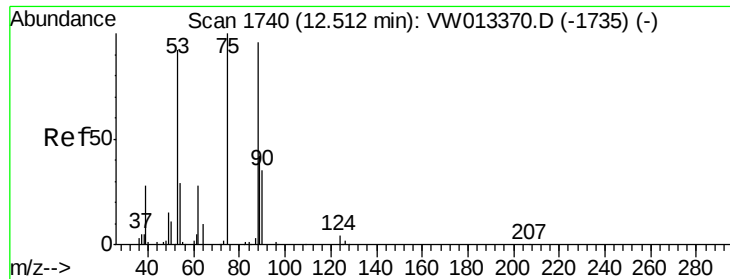
77 4.0 0.0 0.0#



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: 108.137 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013438.D

Acq: 04 Oct 2019 14:54

Instrument :

MSVOA_W

ClientSampleId :

S-1(5-10)

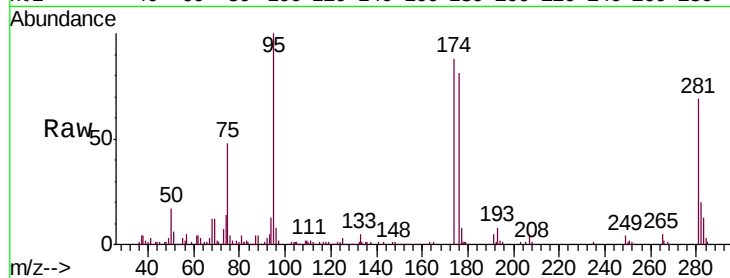
Tgt Ion: 75 Resp: 21633

Ion Ratio Lower Upper

75 100

53 2.1 76.6 114.8#

89 0.9 33.5 50.3#



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

