

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091019\
 Data File : VW012884.D
 Acq On : 10 Sep 2019 22:52
 Operator : SY/VA
 Sample : VW0910SBL02
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0910SBL02

Quant Time: Sep 11 08:21:01 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	221277	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	333001	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	279671	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	122980	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	115235	46.61	ug/l	0.00
Spiked Amount			Recovery	=	93.22%	
35) Dibromofluoromethane	7.88	113	97040	49.02	ug/l	0.00
Spiked Amount			Recovery	=	98.04%	
50) Toluene-d8	10.32	98	390711	50.37	ug/l	0.00
Spiked Amount			Recovery	=	100.74%	
62) 4-Bromofluorobenzene	12.62	95	125237	44.48	ug/l	0.00
Spiked Amount			Recovery	=	88.96%	

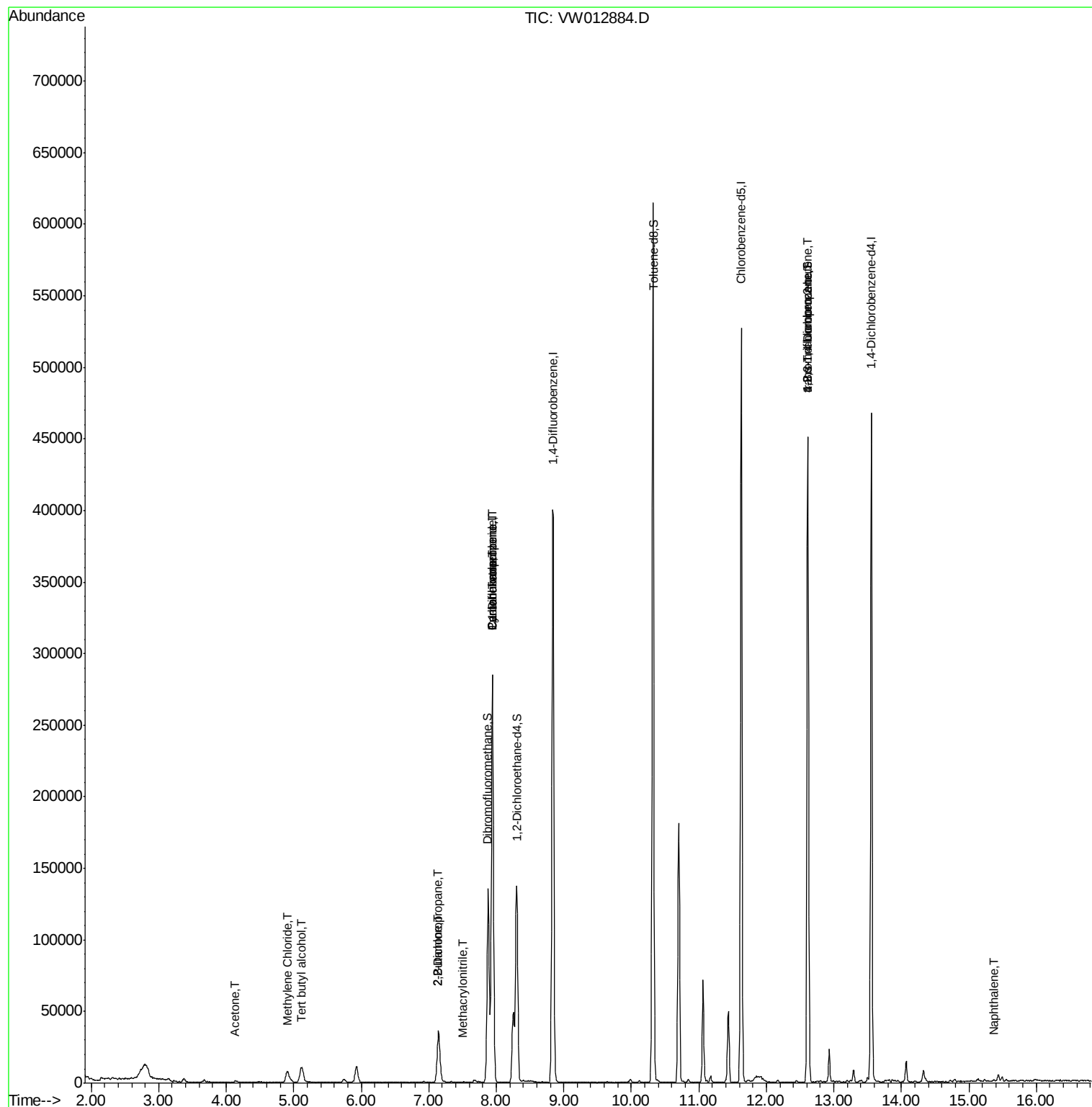
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	10819	57.194	ug/l #	72
16) Acetone	4.13	43	2025	3.004	ug/l #	79
20) Methylene Chloride	4.90	84	5791	2.746	ug/l #	81
25) 2-Butanone	7.15	43	2561	22.058	ug/l #	73
26) 2,2-Dichloropropane	7.15	77	2614	1.025	ug/l #	55
31) Cyclohexane	7.94	56	4950	1.362	ug/l #	3
36) 1,1-Dichloropropene	7.95	75	17027	5.755	ug/l #	52
38) Carbon Tetrachloride	7.95	117	20848	7.148	ug/l #	15
41) Methacrylonitrile	7.51	41	19	3.852	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	66630	52.985	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	66630	112.067	ug/l #	6
95) Naphthalene	15.37	128	1012	4.618	ug/l #	81

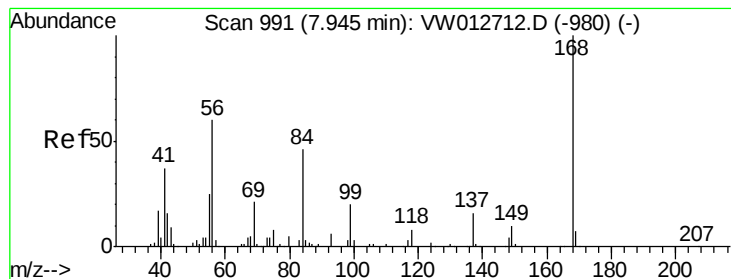
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW091019\
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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: VW012884.D

Acq: 10 Sep 2019 22:52

Instrument :

MSVOA_W

ClientSampleId :

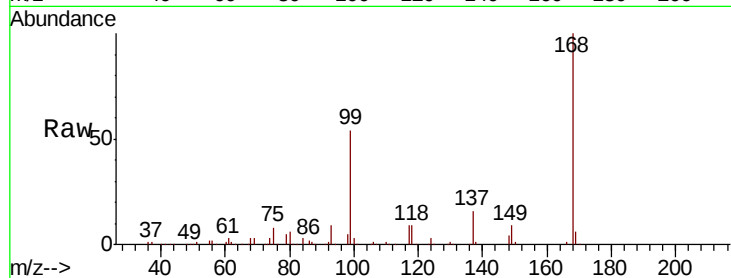
VW0910SBL02

Tgt Ion:168 Resp: 221277

Ion Ratio Lower Upper

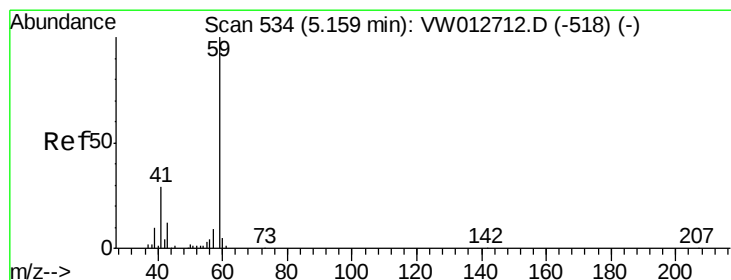
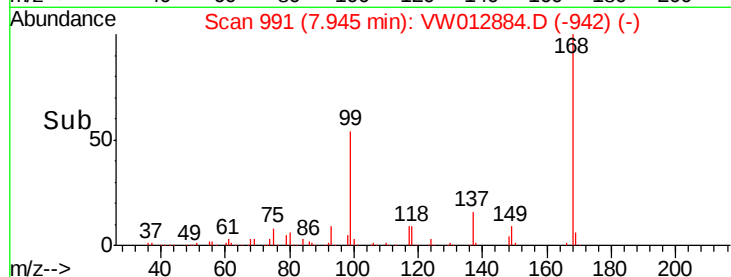
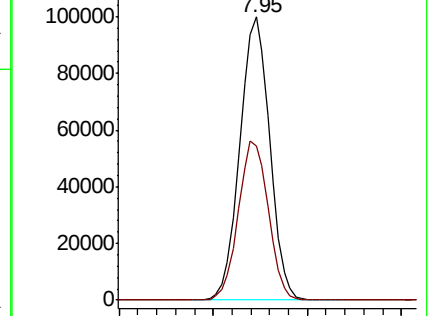
168 100

99 54.3 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 57.194 ug/l

RT: 5.12 min Scan# 527

Delta R.T. -0.04 min

Lab File: VW012884.D

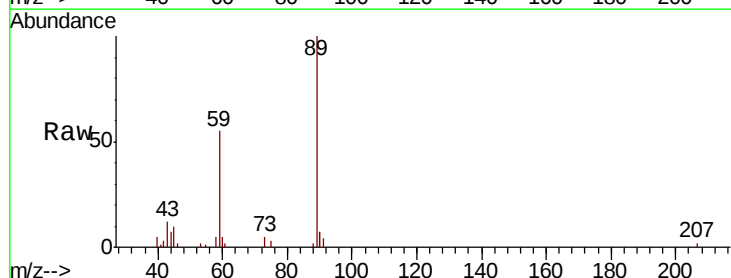
Acq: 10 Sep 2019 22:52

Tgt Ion: 59 Resp: 10819

Ion Ratio Lower Upper

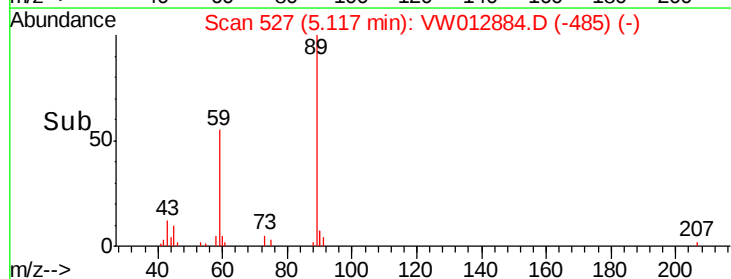
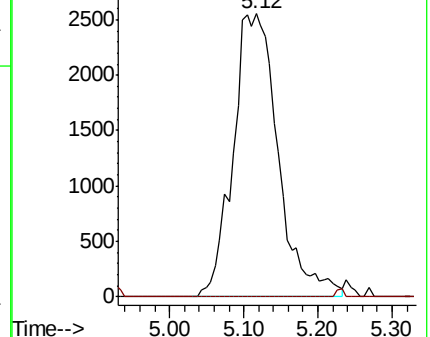
59 100

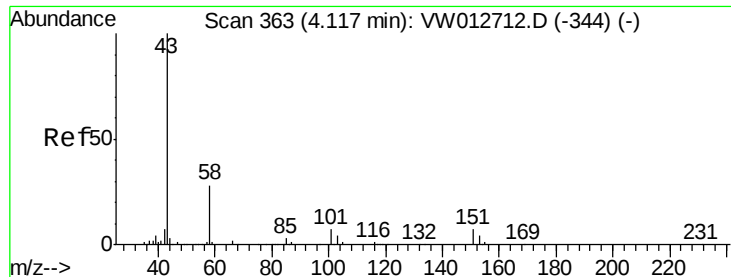
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 3.004 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW012884.D

Acq: 10 Sep 2019 22:52

Instrument :

MSVOA_W

ClientSampleId :

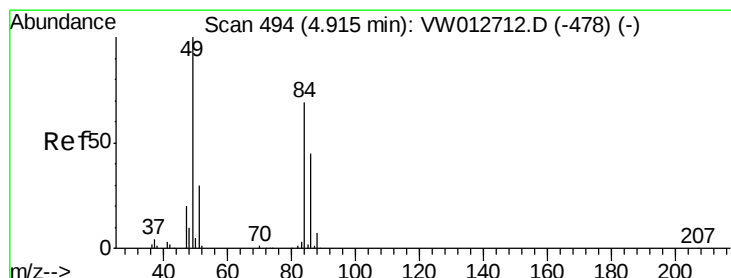
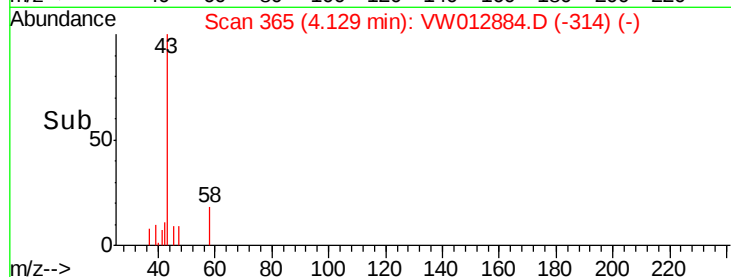
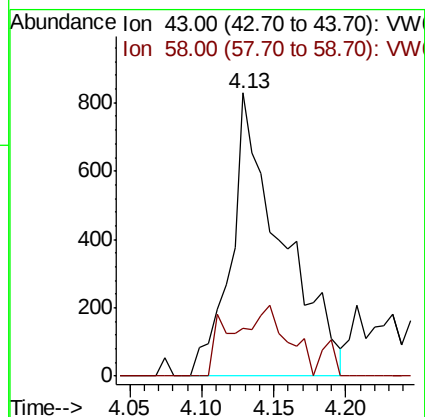
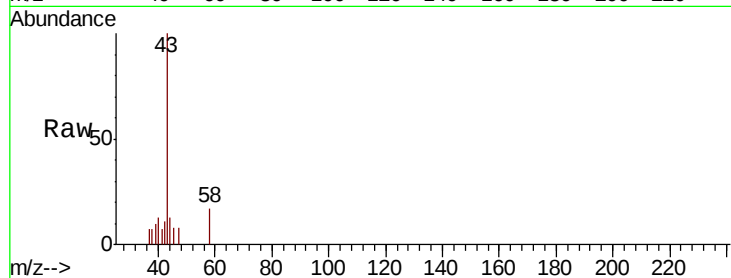
VW0910SBL02

Tgt Ion: 43 Resp: 2025

Ion Ratio Lower Upper

43 100

58 17.0 22.6 33.8#



#20

Methylene Chloride

Concen: 2.746 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW012884.D

Acq: 10 Sep 2019 22:52

Tgt Ion: 84 Resp: 5791

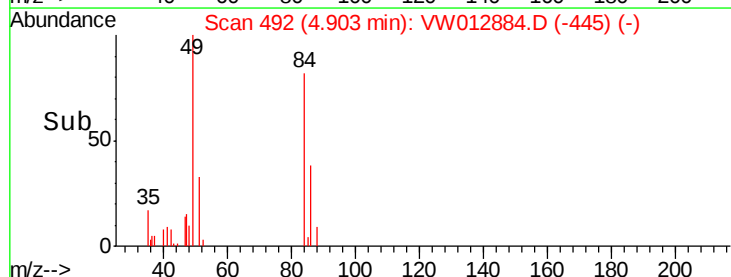
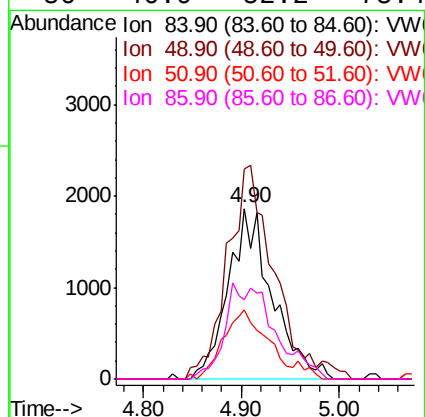
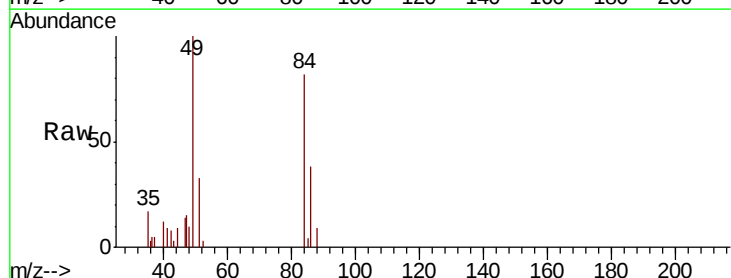
Ion Ratio Lower Upper

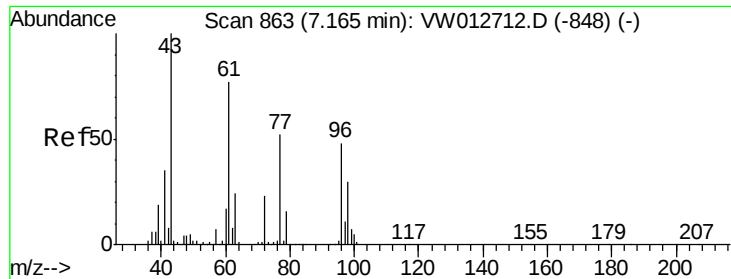
84 100

49 118.2 115.4 173.0

51 40.5 34.9 52.3

86 46.9 52.2 78.4#





#25

2-Butanone

Concen: 22.058 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW012884.D

Acq: 10 Sep 2019 22:52

Instrument :

MSVOA_W

ClientSampleId :

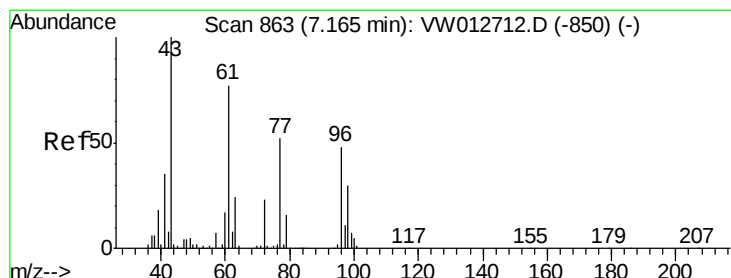
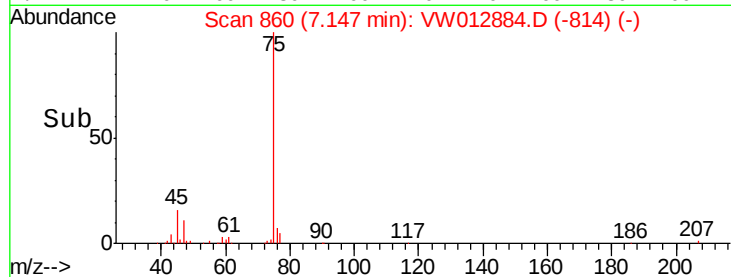
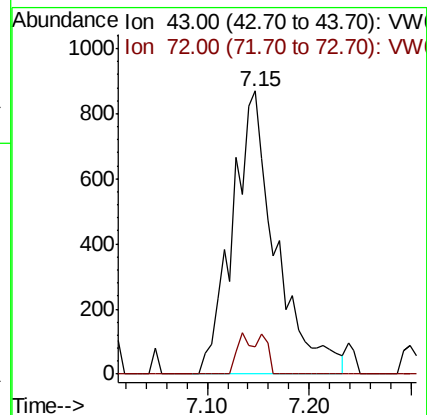
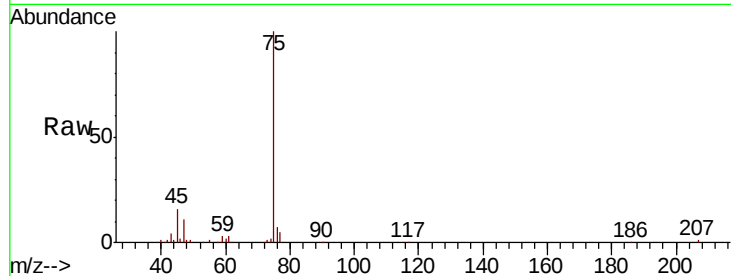
VW0910SBL02

Tgt Ion: 43 Resp: 2561

Ion Ratio Lower Upper

43 100

72 9.6 18.0 27.0#



#26

2,2-Dichloropropane

Concen: 1.025 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW012884.D

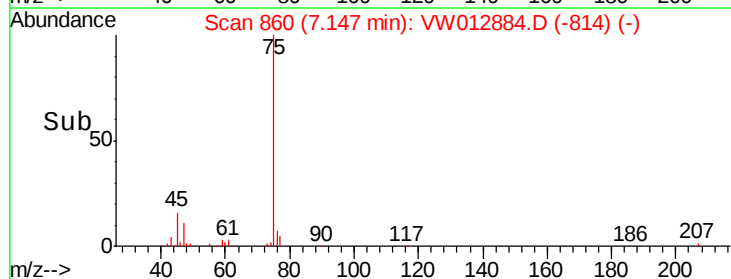
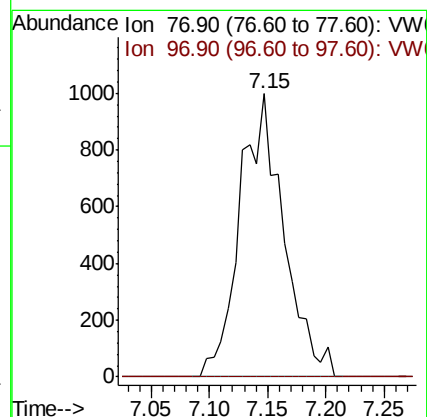
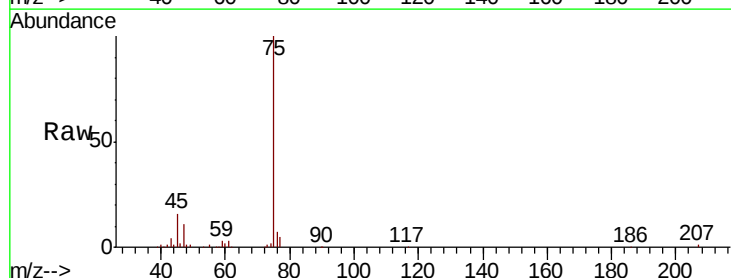
Acq: 10 Sep 2019 22:52

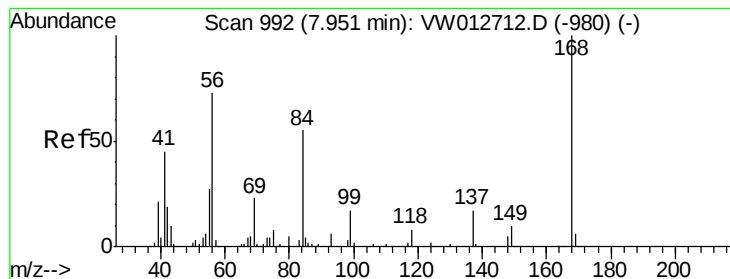
Tgt Ion: 77 Resp: 2614

Ion Ratio Lower Upper

77 100

97 0.0 10.7 32.1#





#31

Cyclohexane

Concen: 1.362 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW012884.D

Acq: 10 Sep 2019 22:52

Instrument :

MSVOA_W

ClientSampleId :

VW0910SBL02

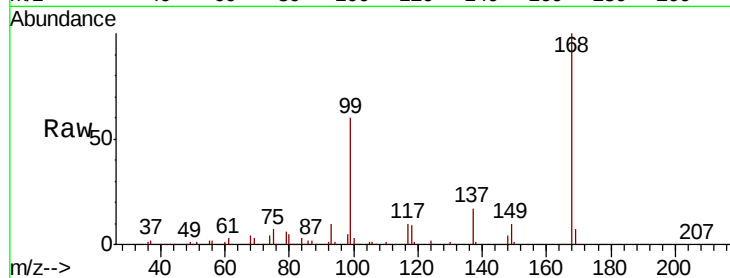
Tgt Ion: 56 Resp: 4950

Ion Ratio Lower Upper

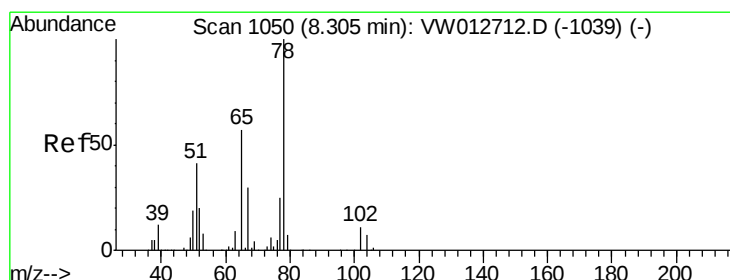
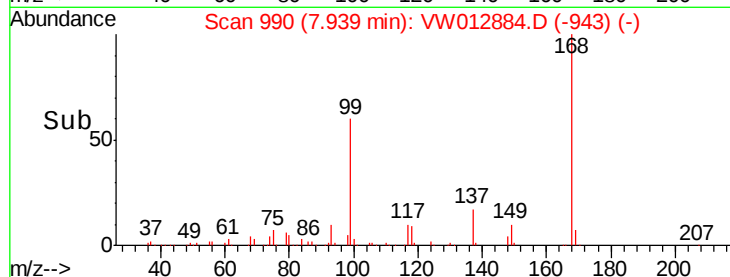
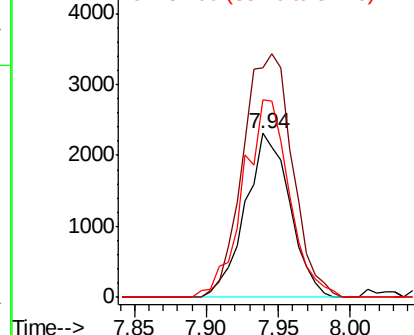
56 100

69 139.8 25.7 38.5#

84 123.3 60.4 90.6#



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: 46.609 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW012884.D

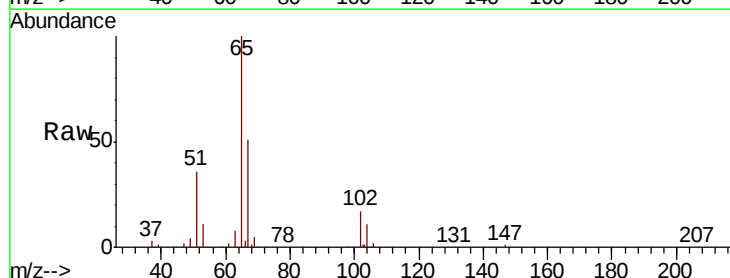
Acq: 10 Sep 2019 22:52

Tgt Ion: 65 Resp: 115235

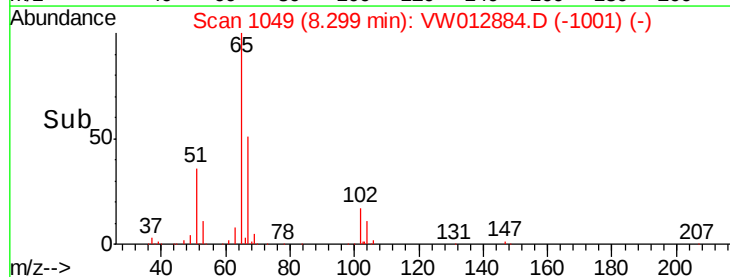
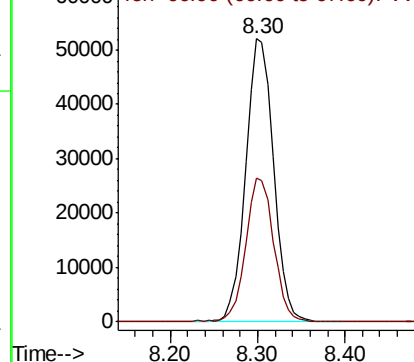
Ion Ratio Lower Upper

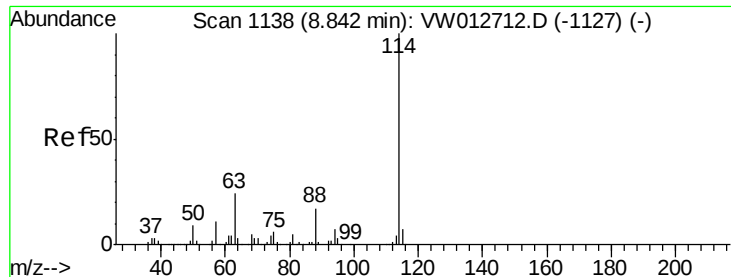
65 100

67 50.9 0.0 101.8



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: VW012884.D

Acq: 10 Sep 2019 22:52

Instrument :

MSVOA_W

ClientSampleId :

VW0910SBL02

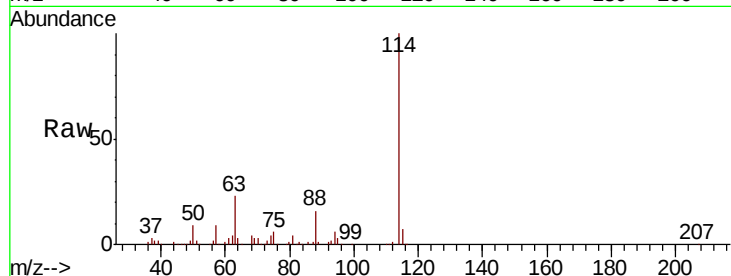
Tgt Ion:114 Resp: 333001

Ion Ratio Lower Upper

114 100

63 22.6 0.0 47.2

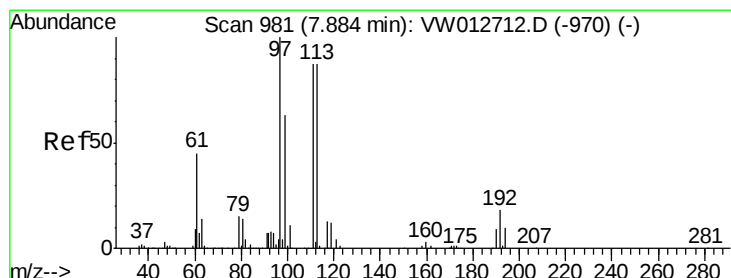
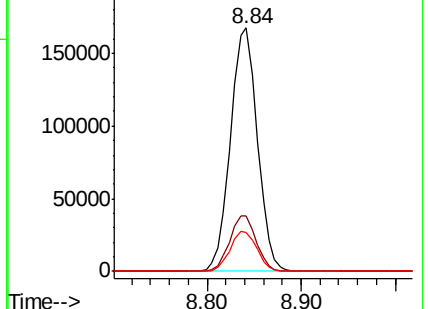
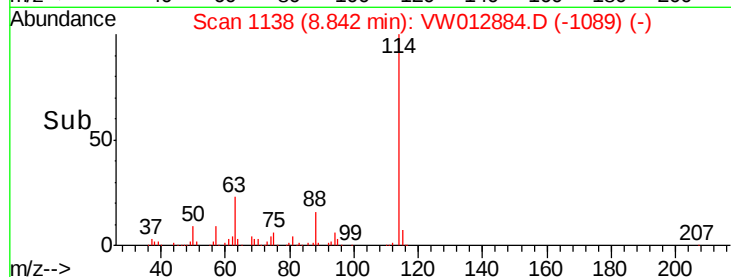
88 16.1 0.0 34.0



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: 49.015 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW012884.D

Acq: 10 Sep 2019 22:52

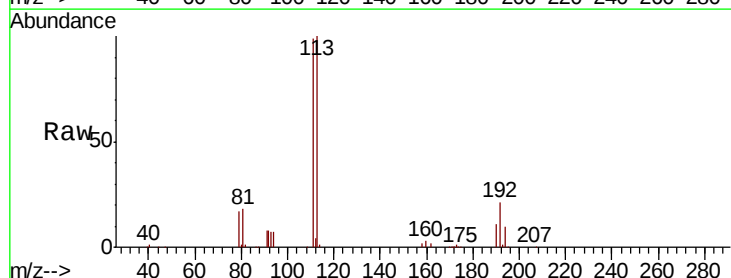
Tgt Ion:113 Resp: 97040

Ion Ratio Lower Upper

113 100

111 103.1 80.2 120.4

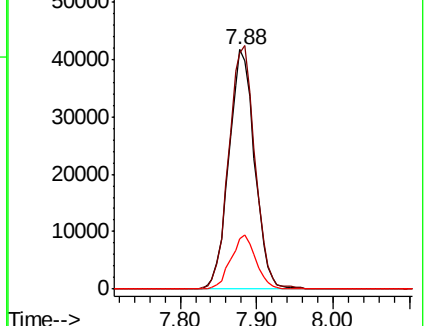
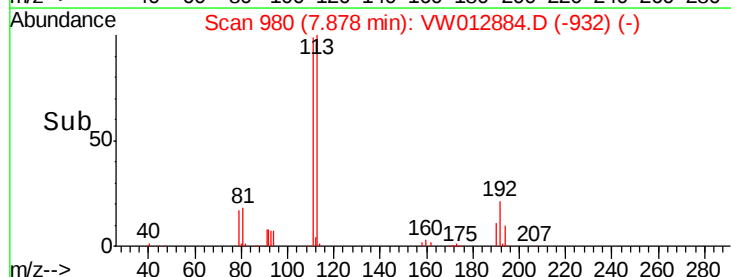
192 21.8 17.3 25.9

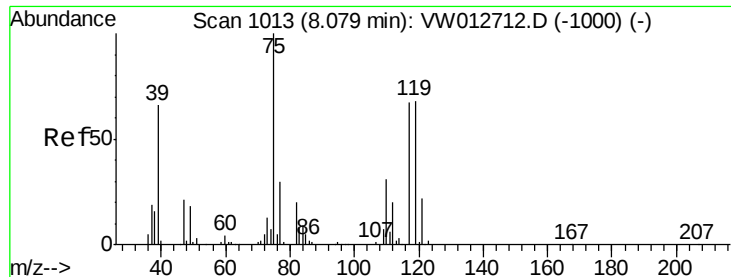


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

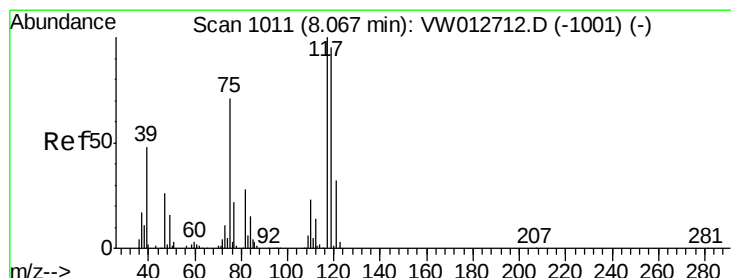
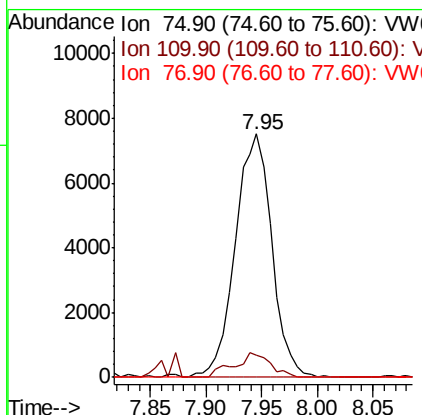
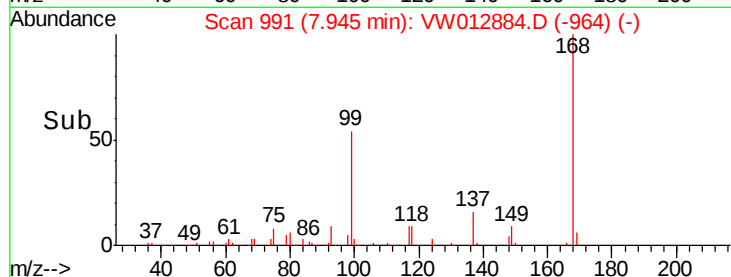
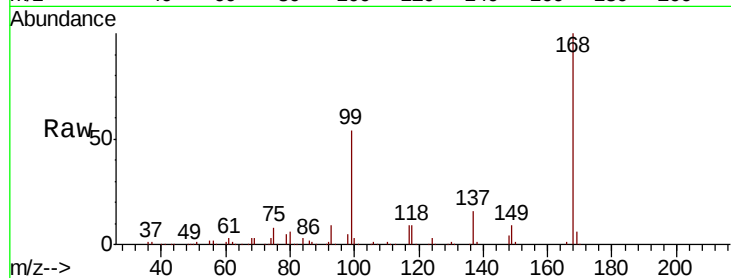




#36
 1,1-Dichloropropene
 Concen: 5.755 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012884.D
 Acq: 10 Sep 2019 22:52

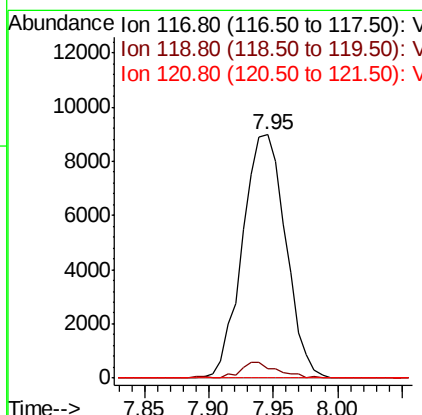
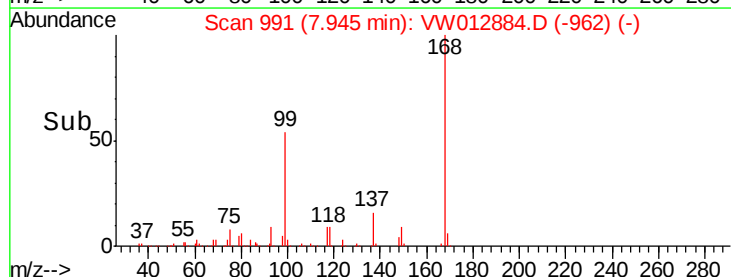
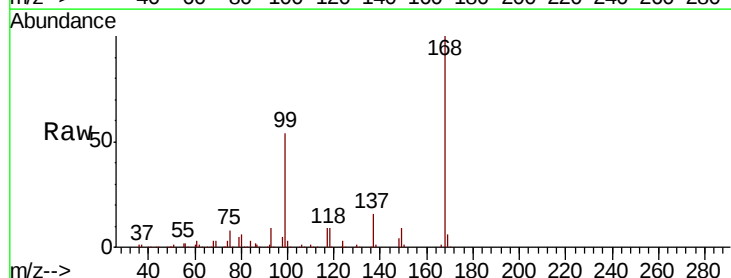
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0910SBL02

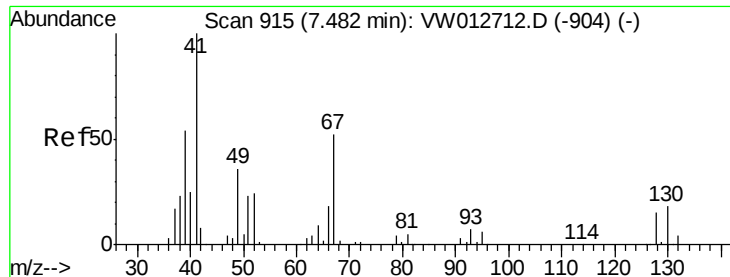
Tgt Ion: 75 Resp: 17027
 Ion Ratio Lower Upper
 75 100
 110 9.9 15.9 47.7#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 7.148 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012884.D
 Acq: 10 Sep 2019 22:52

Tgt Ion: 117 Resp: 20848
 Ion Ratio Lower Upper
 117 100
 119 4.1 76.2 114.2#
 121 0.0 25.4 38.2#





#41

Methacrylonitrile

Concen: 3.852 ug/l

RT: 7.51 min Scan# 919

Delta R.T. 0.02 min

Lab File: VW012884.D

Acq: 10 Sep 2019 22:52

Instrument :

MSVOA_W

ClientSampleId :

VW0910SBL02

Tgt Ion: 41 Resp: 19

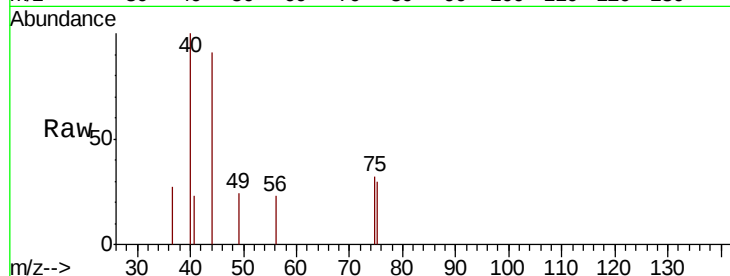
Ion Ratio Lower Upper

41 100

39 252.6 47.5 71.3#

67 0.0 45.1 67.7#

52 0.0 20.2 30.2#

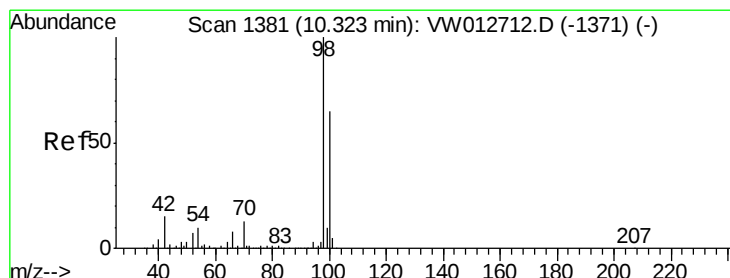
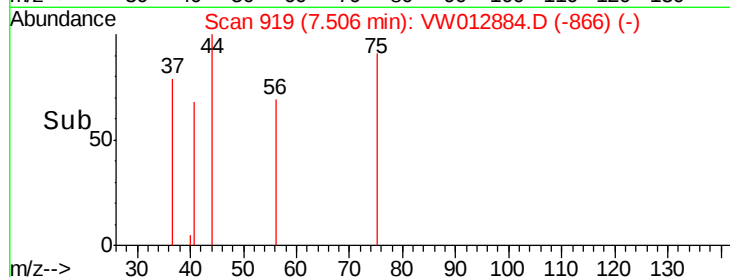
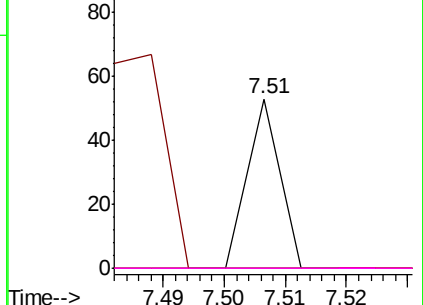


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 50.373 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012884.D

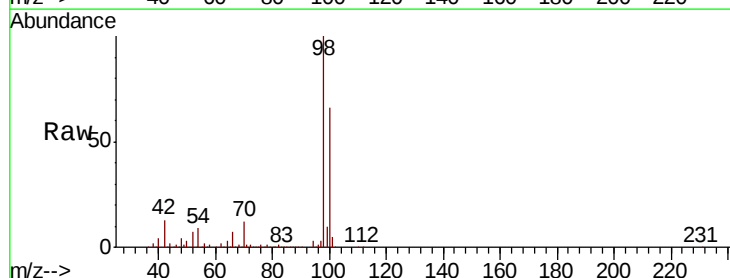
Acq: 10 Sep 2019 22:52

Tgt Ion: 98 Resp: 390711

Ion Ratio Lower Upper

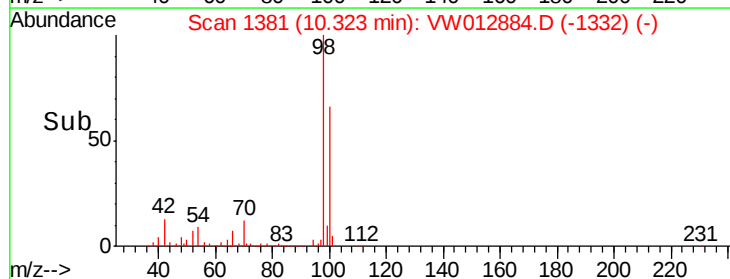
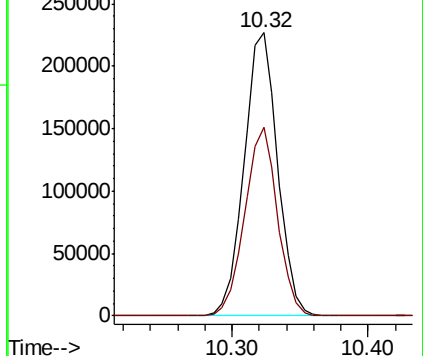
98 100

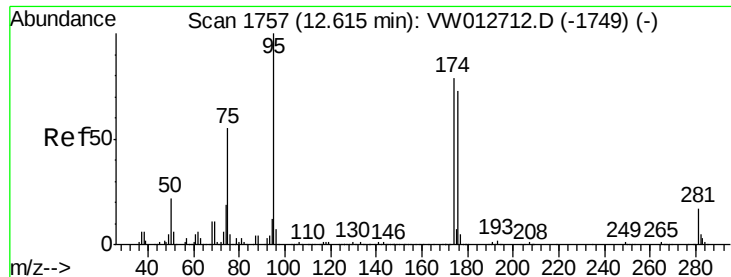
100 65.0 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

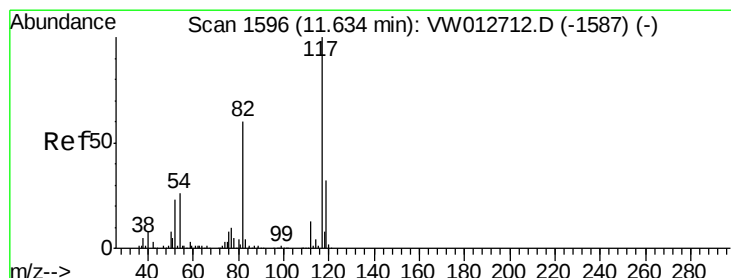
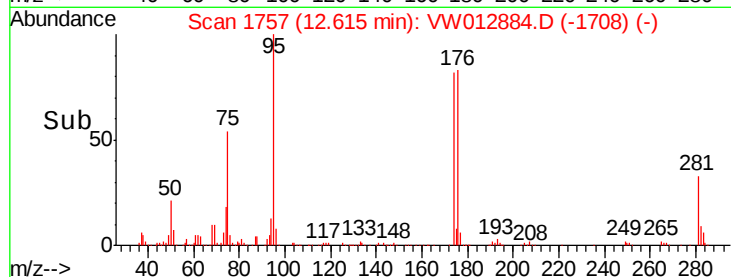
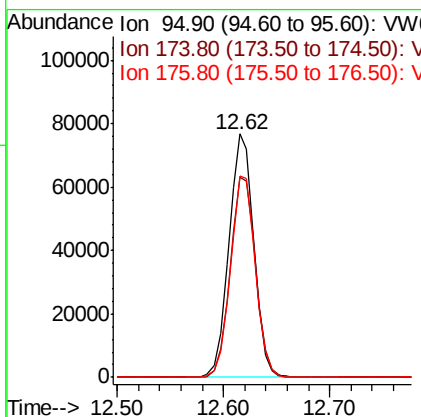
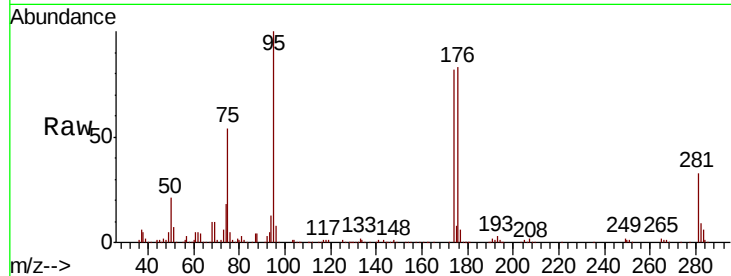




#62
4-Bromofluorobenzene
Concen: 44.477 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012884.D
Acq: 10 Sep 2019 22:52

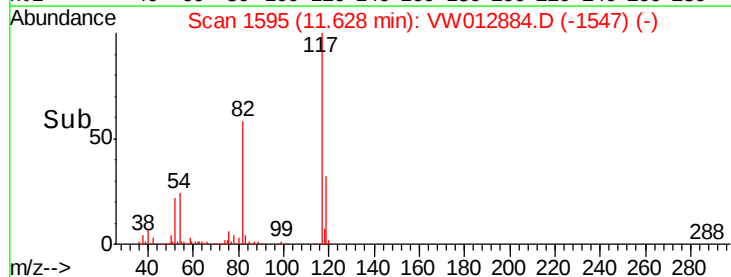
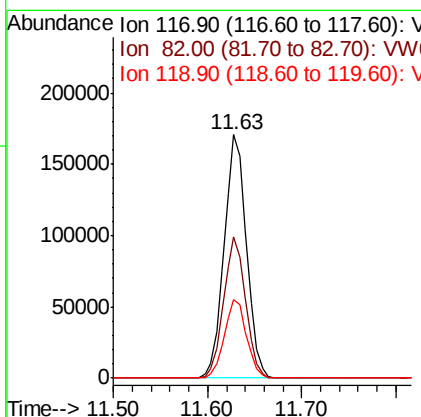
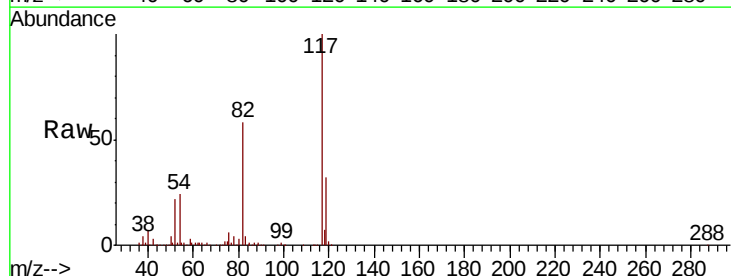
Instrument :
MSVOA_W
ClientSampleId :
VW0910SBL02

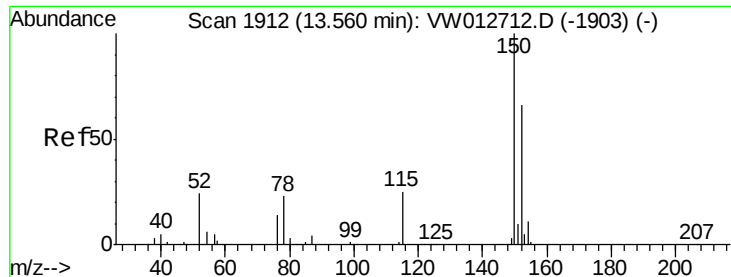
Tgt Ion	Ratio	Resp	Lower	Upper
95	100	125237		
174	83.9	0.0	161.0	
176	82.5	0.0	156.4	



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012884.D
Acq: 10 Sep 2019 22:52

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	279671		
82	58.0	48.2	72.4	
119	32.2	25.8	38.6	





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW012884.D

Acq: 10 Sep 2019 22:52

Instrument :

MSVOA_W

ClientSampleId :

VW0910SBL02

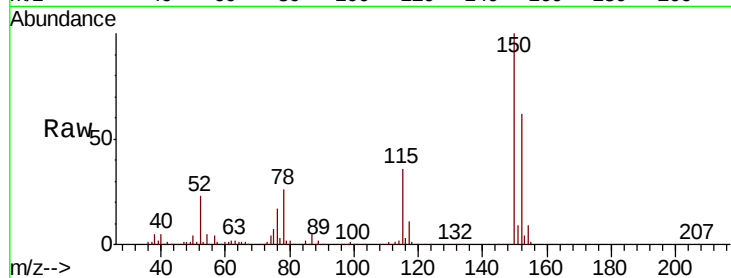
Tgt Ion:152 Resp: 122980

Ion Ratio Lower Upper

152 100

115 56.3 30.0 90.1

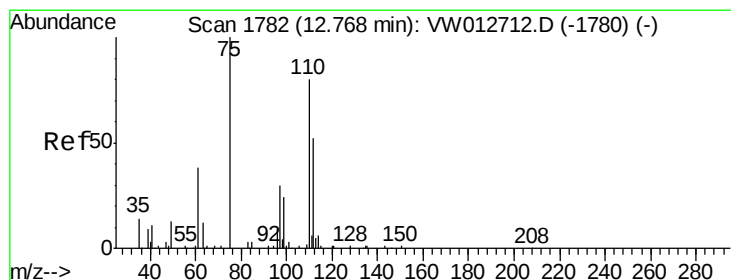
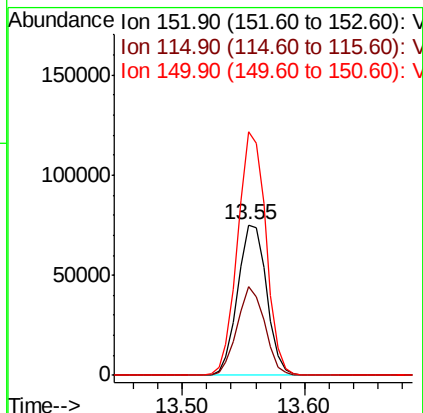
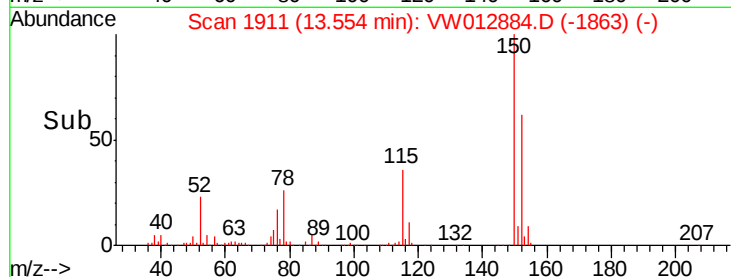
150 158.5 0.0 349.0



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: 52.985 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012884.D

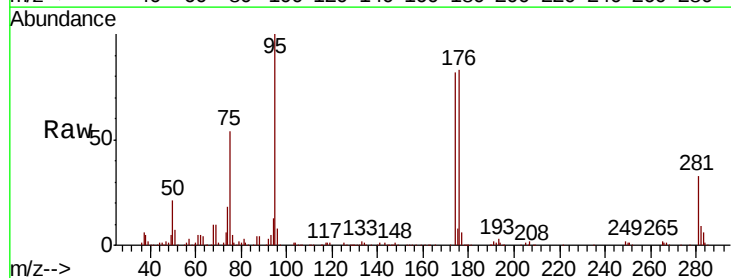
Acq: 10 Sep 2019 22:52

Tgt Ion: 75 Resp: 66630

Ion Ratio Lower Upper

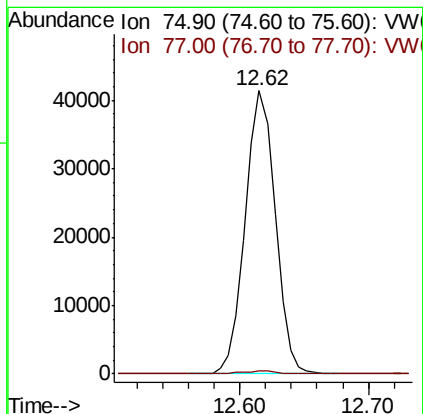
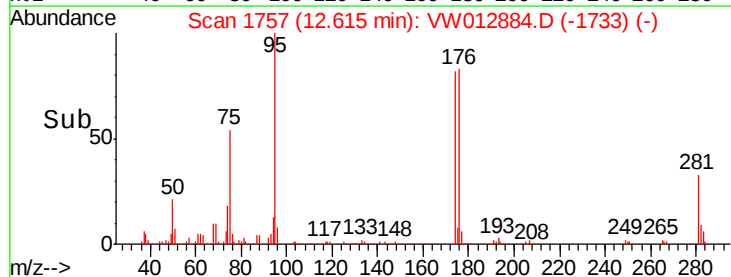
75 100

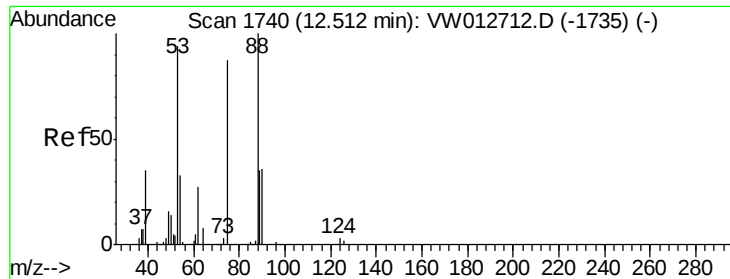
77 1.3 0.0 0.0#



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: 112.067 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012884.D

Acq: 10 Sep 2019 22:52

Instrument :

MSVOA_W

ClientSampleId :

VW0910SBL02

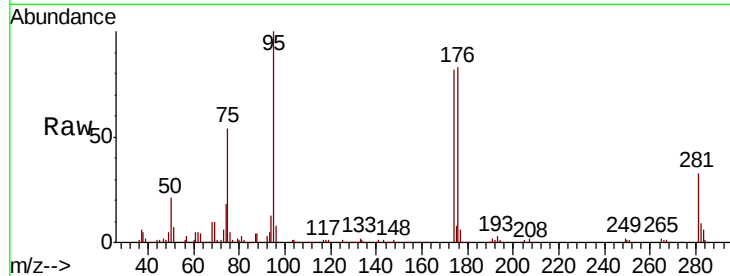
Tgt Ion: 75 Resp: 66630

Ion Ratio Lower Upper

75 100

53 0.0 87.6 131.4#

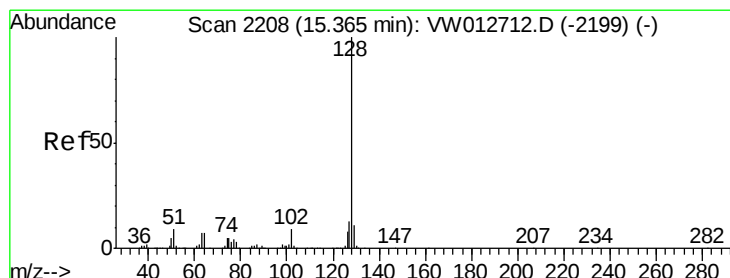
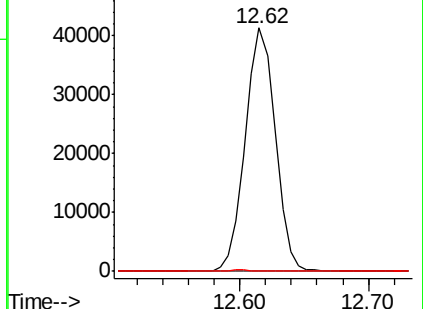
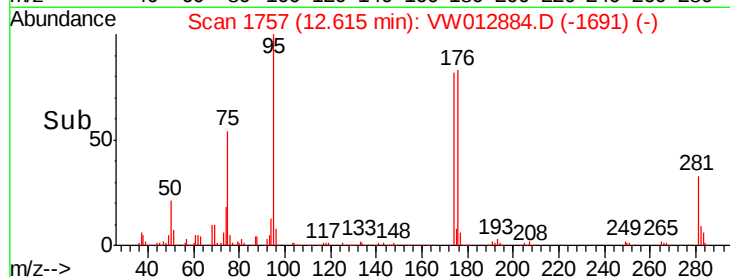
89 0.4 35.5 53.3#



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



#95

Naphthalene

Concen: 4.618 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012884.D

Acq: 10 Sep 2019 22:52

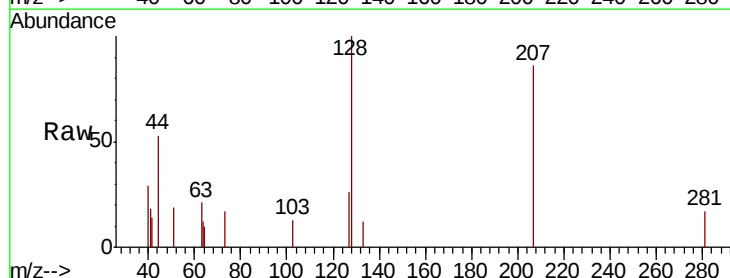
Tgt Ion: 128 Resp: 1012

Ion Ratio Lower Upper

128 100

127 9.1 10.7 16.1#

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

