

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081219\
 Data File : VW011830.D
 Acq On : 09 Aug 2019 23:51
 Operator : SY/VA
 Sample : K4227-17
 Misc : 5.49G/5ML/MSVOA_W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 1S-O-(0)

Quant Time: Aug 11 01:30:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

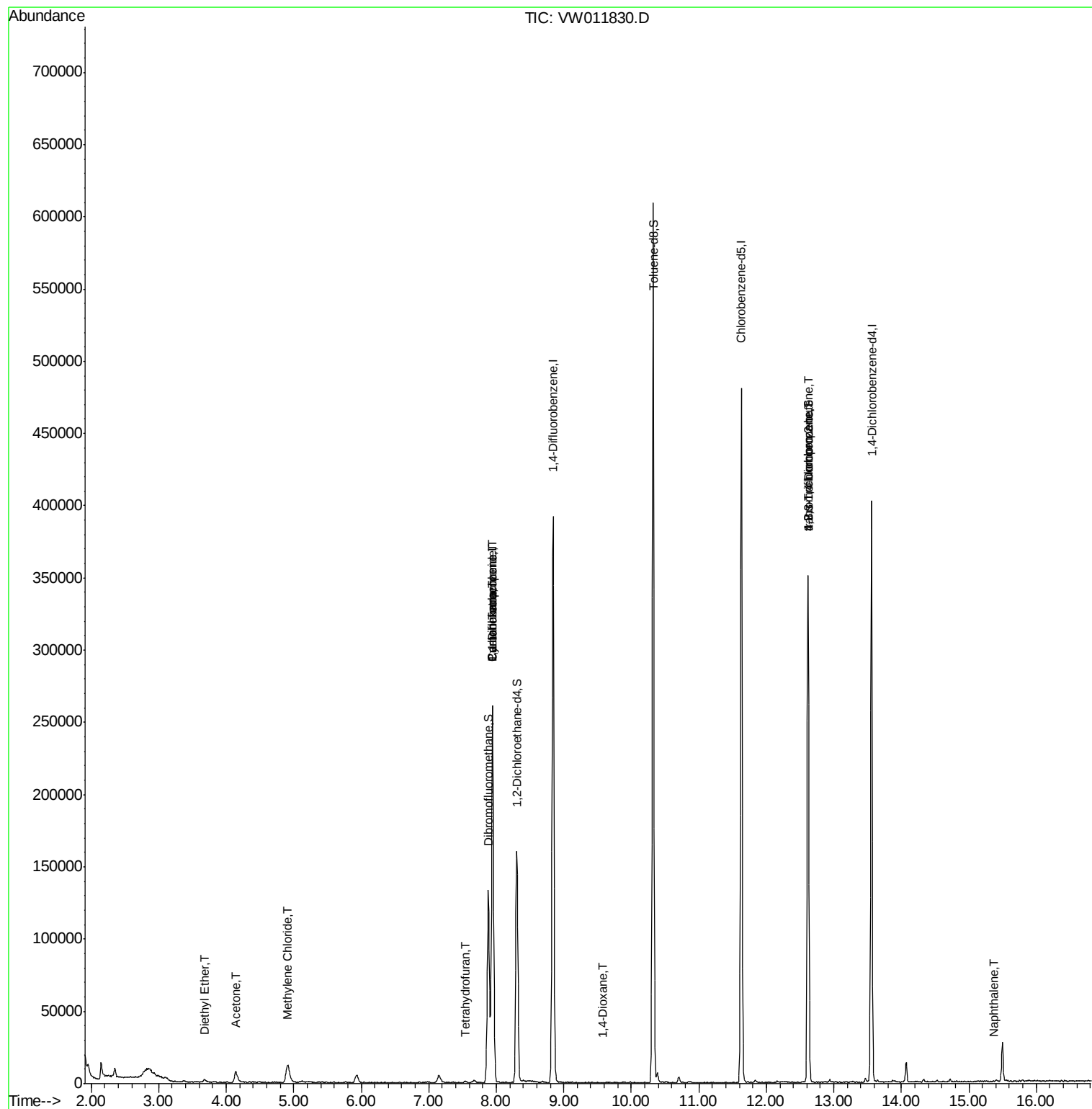
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	184223	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	302860	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	250527	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	98439	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	129292	61.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	122.24%	
35) Dibromofluoromethane	7.88	113	93794	55.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.40%	
50) Toluene-d8	10.32	98	373618	53.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.42%	
62) 4-Bromofluorobenzene	12.62	95	114969	46.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.72%	
Target Compounds						
8) Diethyl Ether	3.68	74	1155	1.063	ug/l	81
11) Tert butyl alcohol	5.18	59	42	Below Cal	#	72
16) Acetone	4.15	43	16196	24.069	ug/l	95
20) Methylene Chloride	4.90	84	9371	4.038	ug/l	97
29) Tetrahydrofuran	7.56	42	714	1.419	ug/l #	59
31) Cyclohexane	7.95	56	4746	1.200	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	16060	5.100	ug/l #	51
38) Carbon Tetrachloride	7.95	117	19060	7.070	ug/l #	17
49) 1,4-Dioxane	9.59	88	26	1.667	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	62344	59.854	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	62344	137.943	ug/l #	6
95) Naphthalene	15.37	128	247	2.127	ug/l #	69

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW081219\
Data File : VW011830.D
Acq On : 09 Aug 2019 23:51
Operator : SY/VA
Sample : K4227-17
Misc : 5.49G/5ML/MSVOA_W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
1S-O-(0)

Quant Time: Aug 11 01:30:48 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:23:30 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW011830.D

Acq: 09 Aug 2019 23:51

Instrument :

MSVOA_W

ClientSampleId :

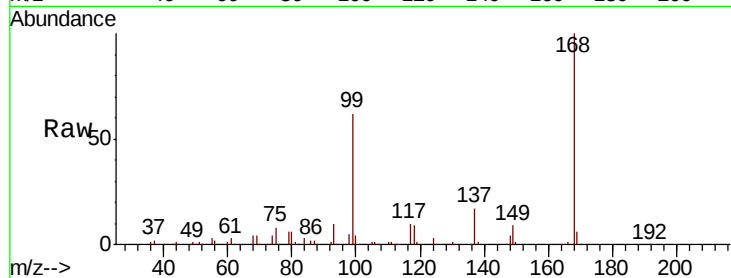
1S-O(0)

Tgt Ion:168 Resp: 184223

Ion Ratio Lower Upper

168 100

99 62.4 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

60000

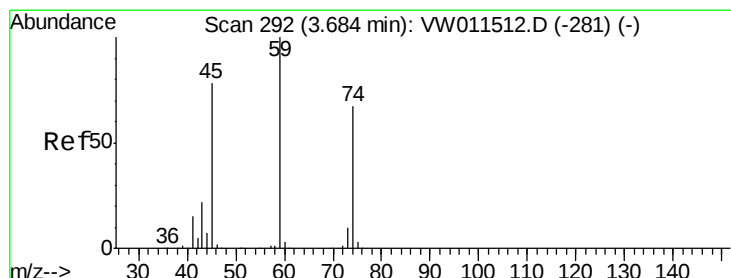
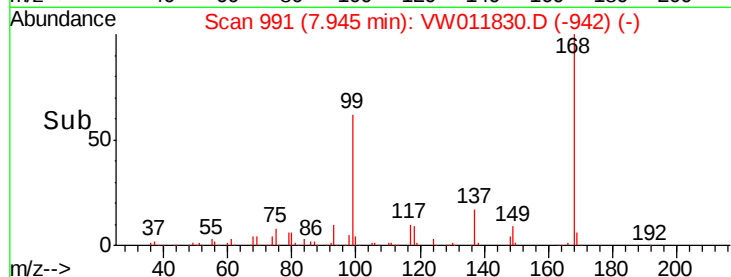
40000

20000

0

7.90 8.00 8.10

Time-->



#8

Diethyl Ether

Concen: 1.063 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.01 min

Lab File: VW011830.D

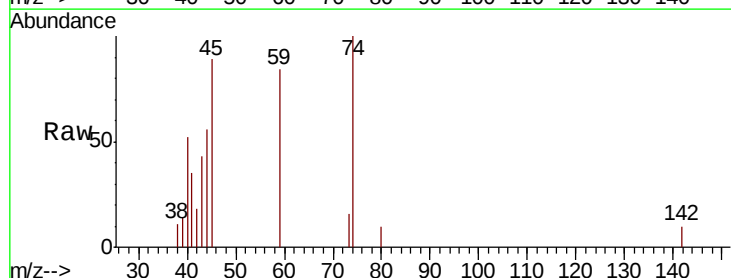
Acq: 09 Aug 2019 23:51

Tgt Ion: 74 Resp: 1155

Ion Ratio Lower Upper

74 100

45 140.6 59.6 178.8



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

600

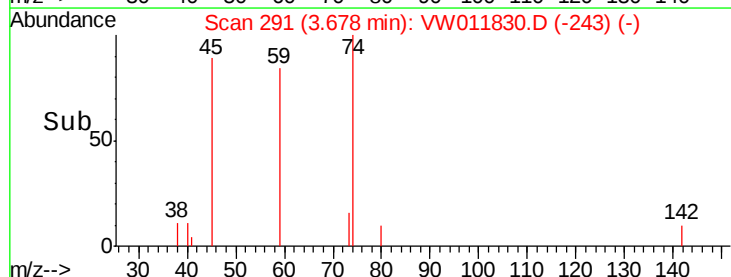
400

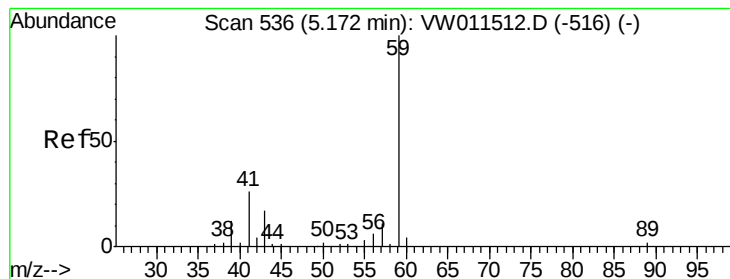
200

0

3.60 3.65 3.70 3.75

Time-->



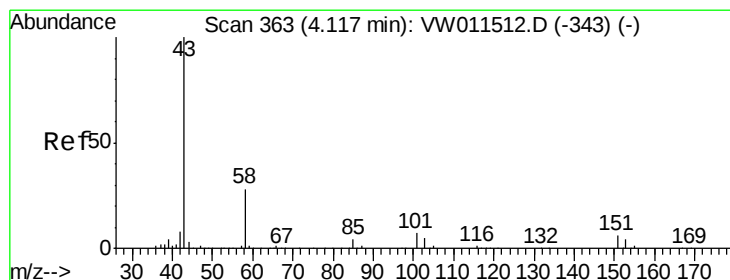
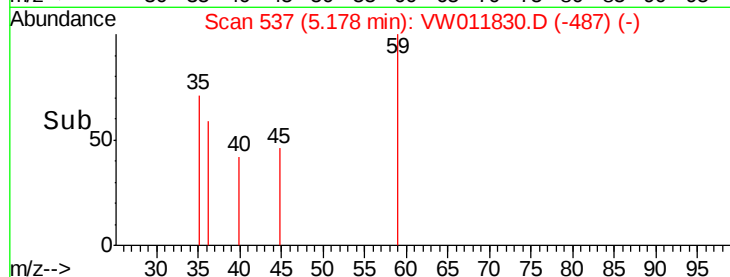
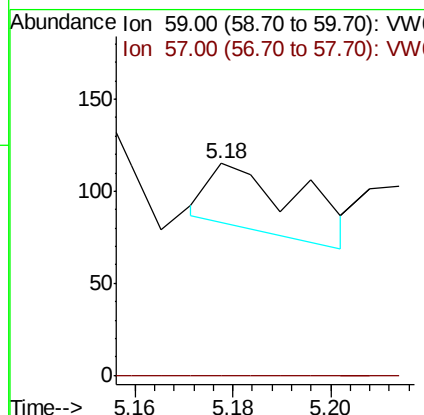
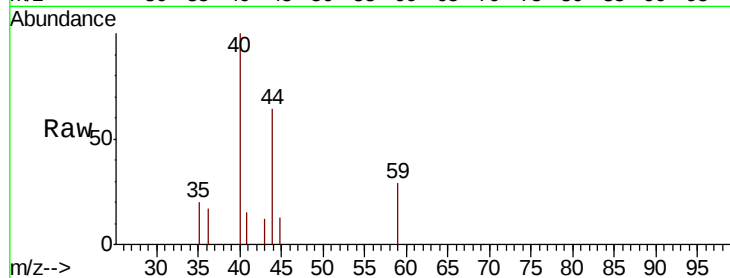


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.18 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VW011830.D
 Acq: 09 Aug 2019 23:51

Instrument :
 MSVOA_W
 ClientSampleId :
 1S-O(0)

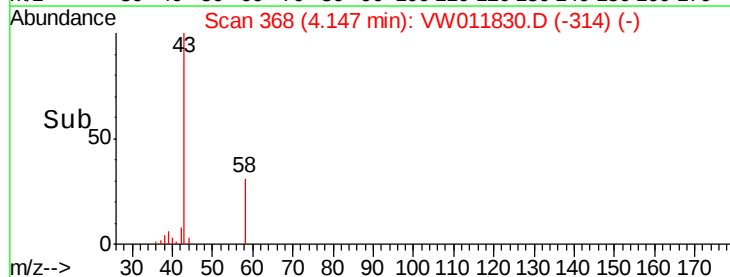
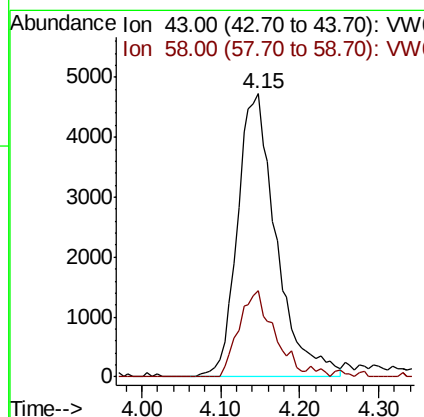
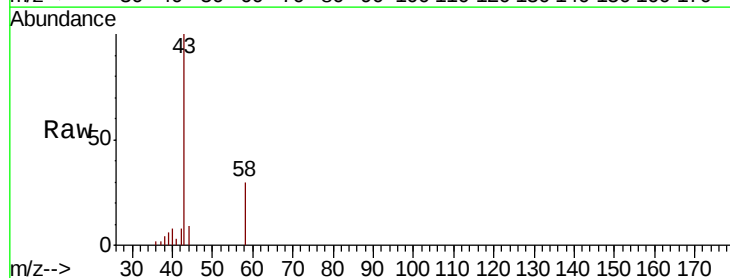
Tgt Ion: 59 Resp: 42
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

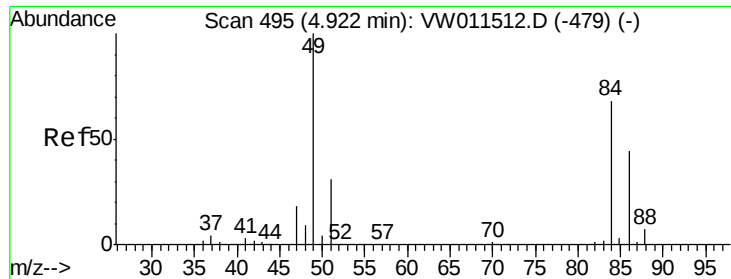


#16

Acetone
 Concen: 24.069 ug/l
 RT: 4.15 min Scan# 368
 Delta R.T. 0.03 min
 Lab File: VW011830.D
 Acq: 09 Aug 2019 23:51

Tgt Ion: 43 Resp: 16196
 Ion Ratio Lower Upper
 43 100
 58 30.4 22.3 33.5





#20

Methylene Chloride

Concen: 4.038 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.02 min

Lab File: VW011830.D

Acq: 09 Aug 2019 23:51

Instrument :

MSVOA_W

ClientSampleId :

1S-O(0)

Tgt Ion: 84 Resp: 9371

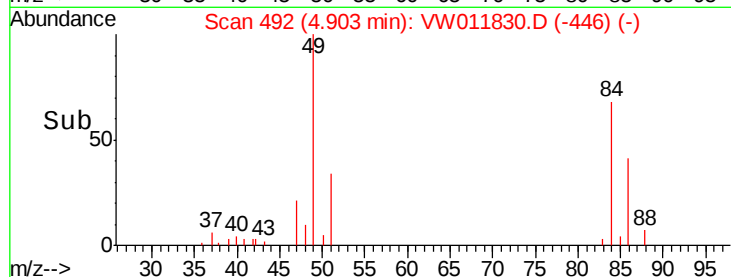
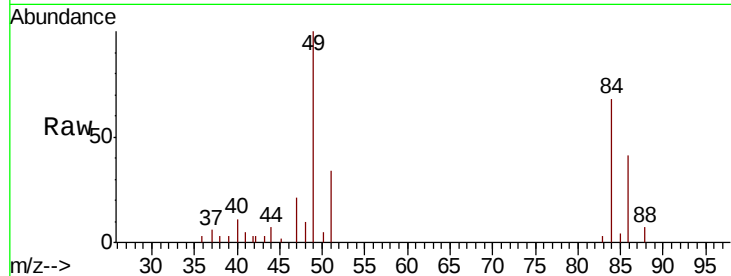
Ion Ratio Lower Upper

84 100

49 145.6 117.8 176.6

51 50.1 37.0 55.4

86 60.7 51.8 77.8



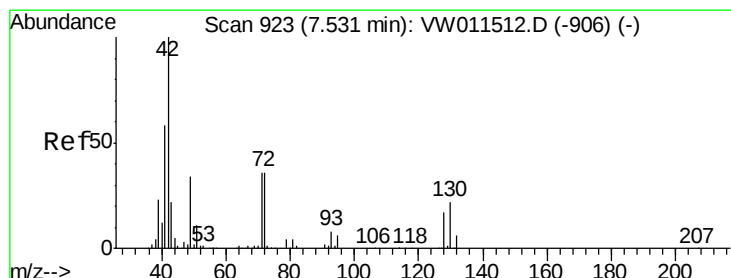
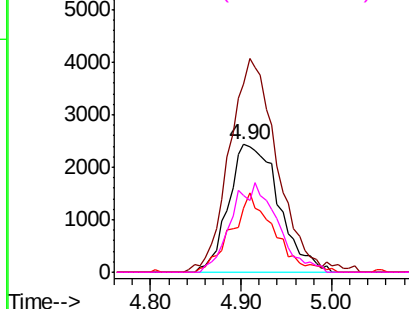
Abundance

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



#29

Tetrahydrofuran

Concen: 1.419 ug/l

RT: 7.56 min Scan# 927

Delta R.T. 0.02 min

Lab File: VW011830.D

Acq: 09 Aug 2019 23:51

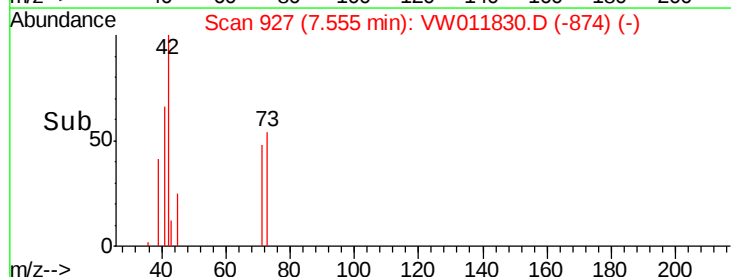
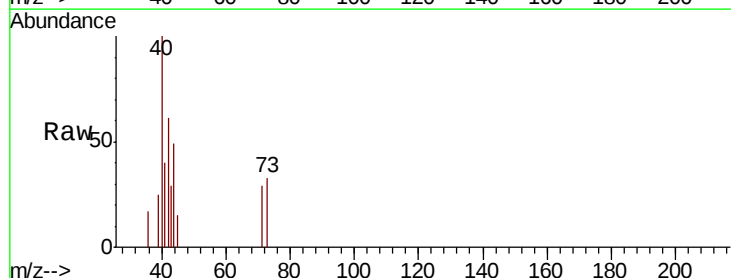
Tgt Ion: 42 Resp: 714

Ion Ratio Lower Upper

42 100

72 0.0 27.1 40.7#

71 20.4 26.2 39.4#

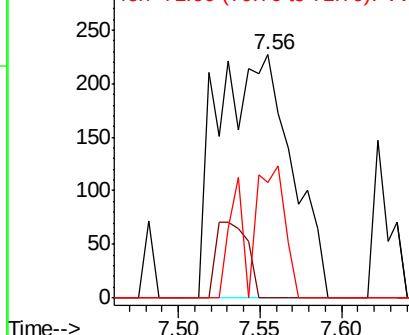


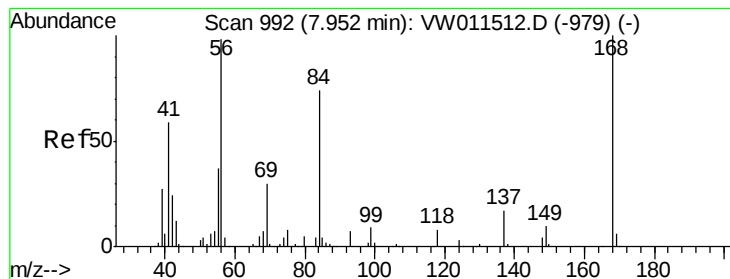
Abundance

Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW





#31

Cyclohexane

Concen: 1.200 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW011830.D

Acq: 09 Aug 2019 23:51

Instrument :

MSVOA_W

ClientSampleId :

1S-O(0)

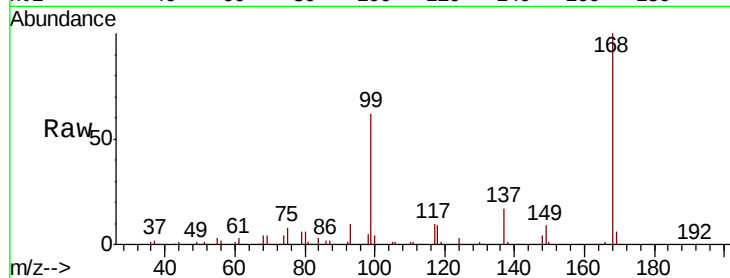
Tgt Ion: 56 Resp: 4746

Ion Ratio Lower Upper

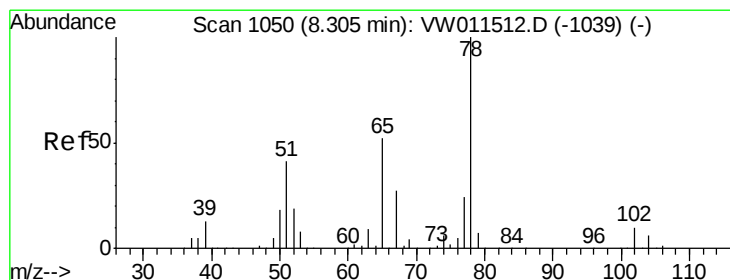
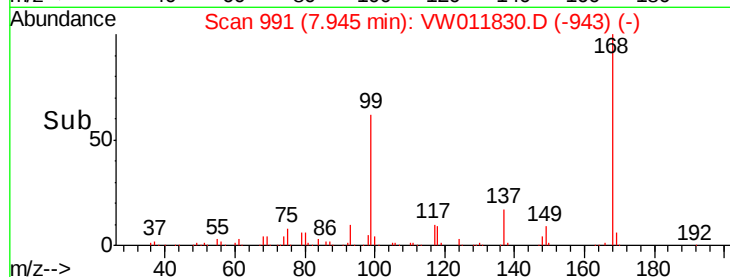
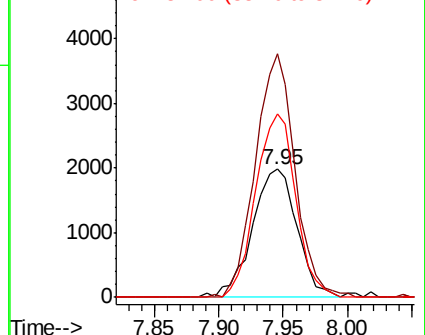
56 100

69 190.3 24.3 36.5#

84 143.7 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: 61.120 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW011830.D

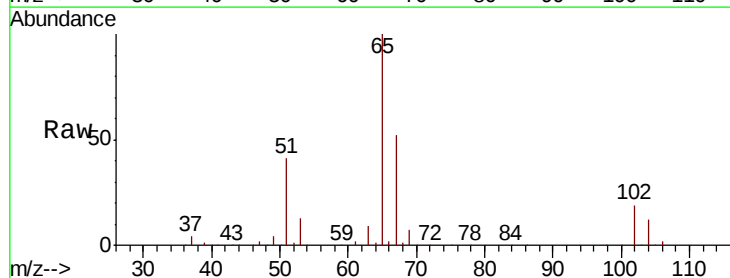
Acq: 09 Aug 2019 23:51

Tgt Ion: 65 Resp: 129292

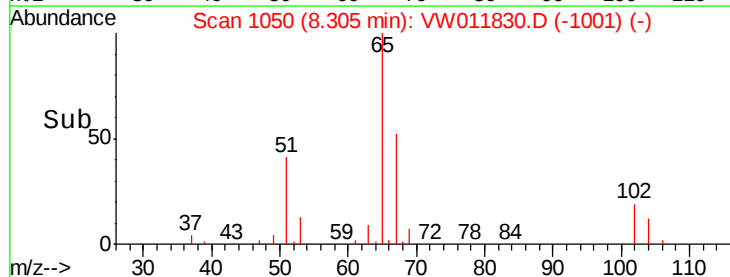
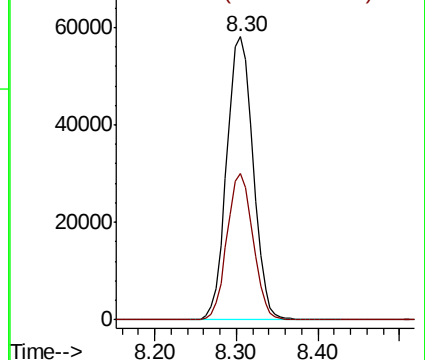
Ion Ratio Lower Upper

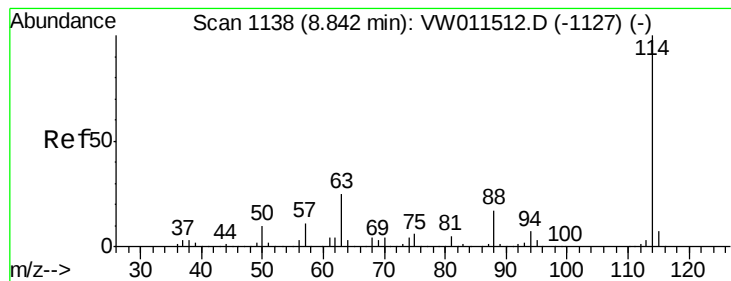
65 100

67 51.1 0.0 105.2



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: VW011830.D

Acq: 09 Aug 2019 23:51

Instrument :

MSVOA_W

ClientSampleId :

1S-O(0)

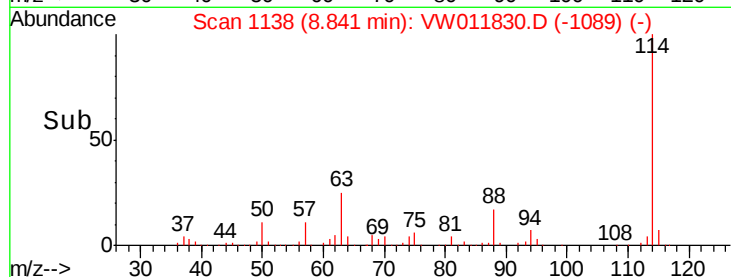
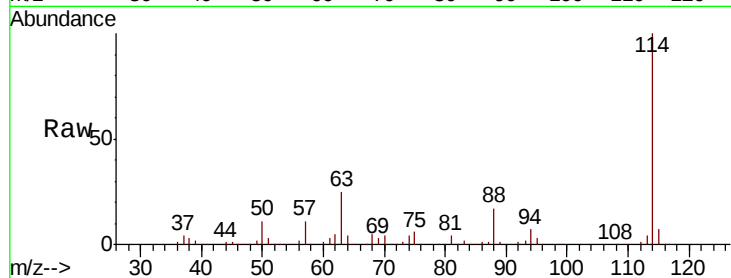
Tgt Ion:114 Resp: 302860

Ion Ratio Lower Upper

114 100

63 24.8 0.0 49.2

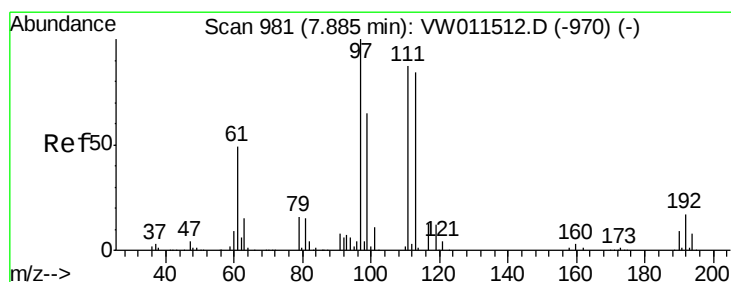
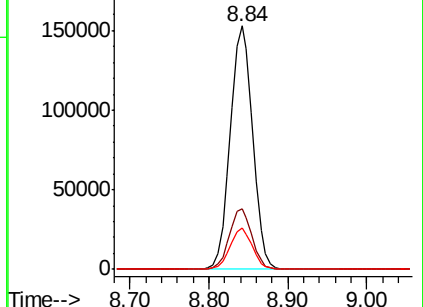
88 16.8 0.0 33.8



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: 55.202 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW011830.D

Acq: 09 Aug 2019 23:51

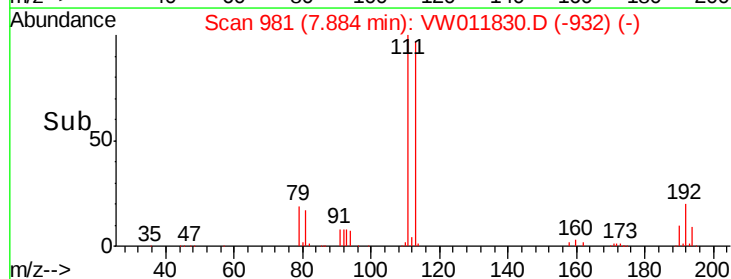
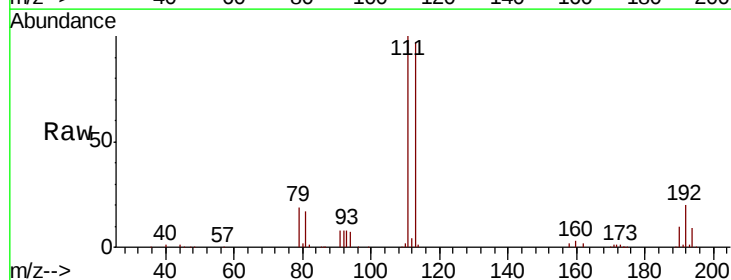
Tgt Ion:113 Resp: 93794

Ion Ratio Lower Upper

113 100

111 103.6 82.7 124.1

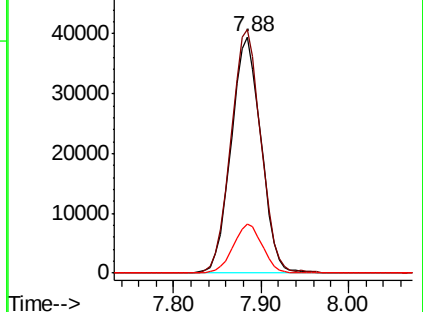
192 20.5 16.1 24.1

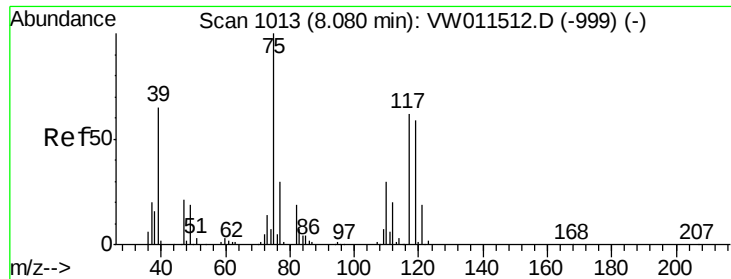


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

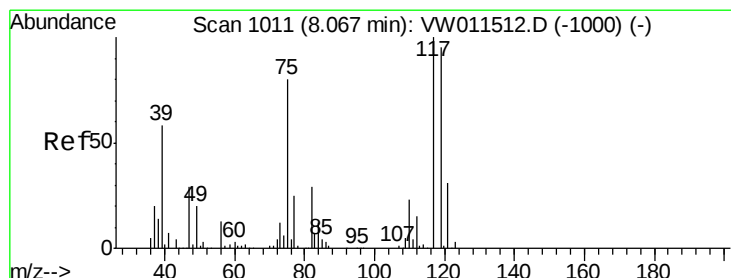
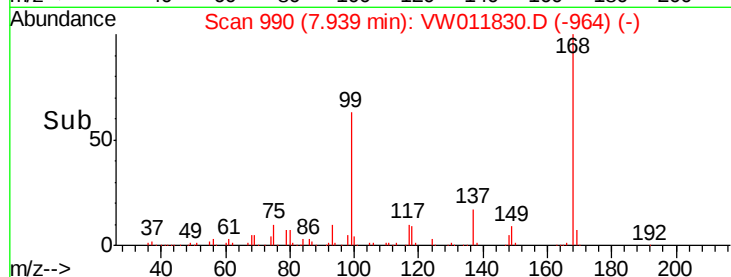
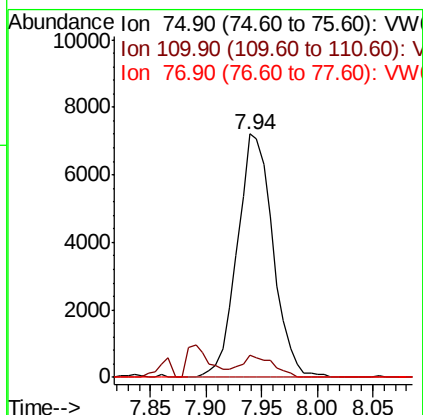
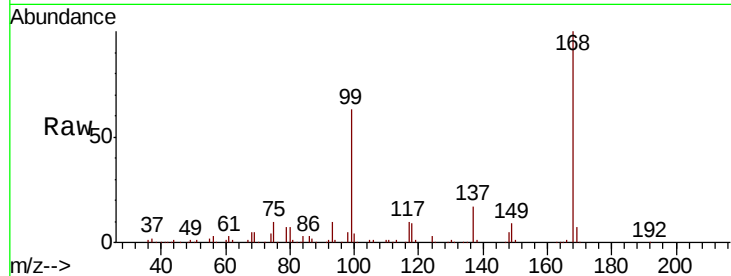




#36
 1,1-Dichloropropene
 Concen: 5.100 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW011830.D
 Acq: 09 Aug 2019 23:51

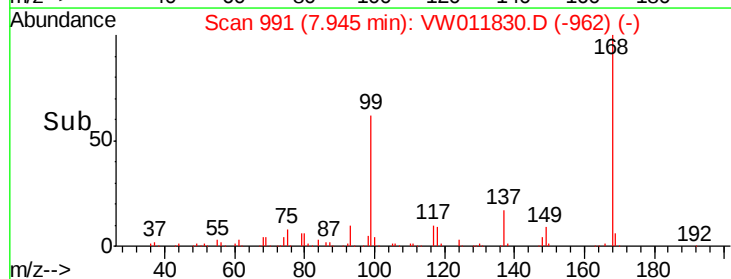
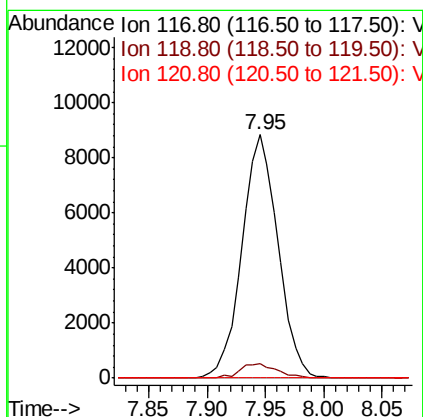
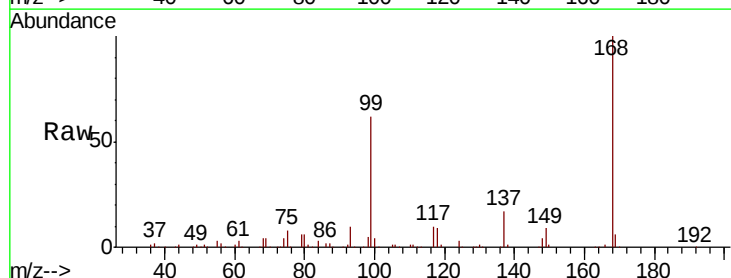
Instrument :
 MSVOA_W
 ClientSampleId :
 1S-O-(0)

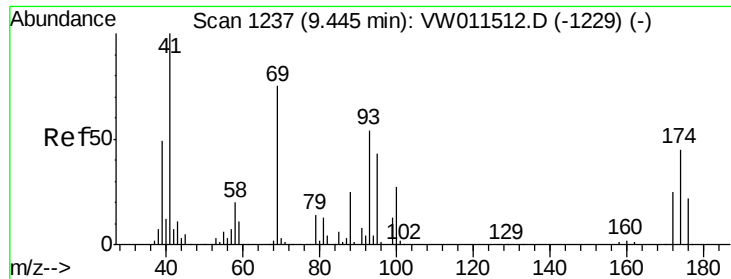
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.1	15.6	46.8#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 7.070 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW011830.D
 Acq: 09 Aug 2019 23:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.1	75.8	113.6#
121	0.0	24.7	37.1#

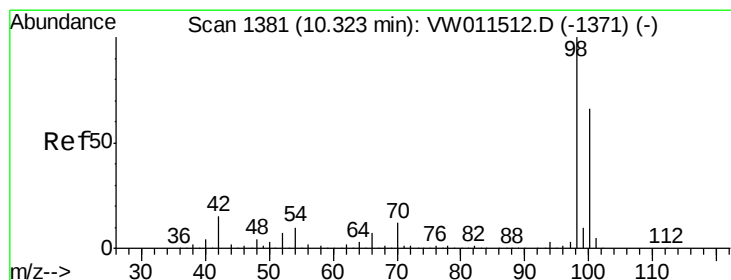
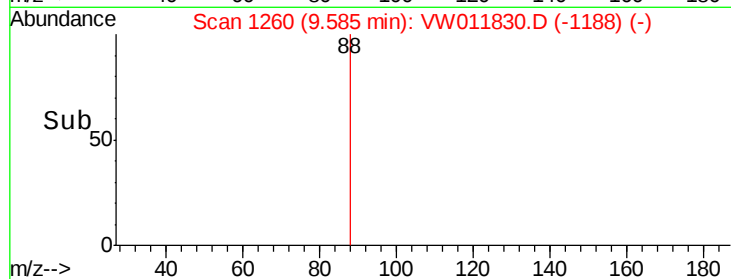
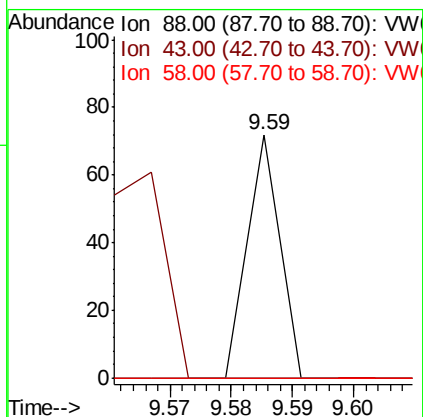
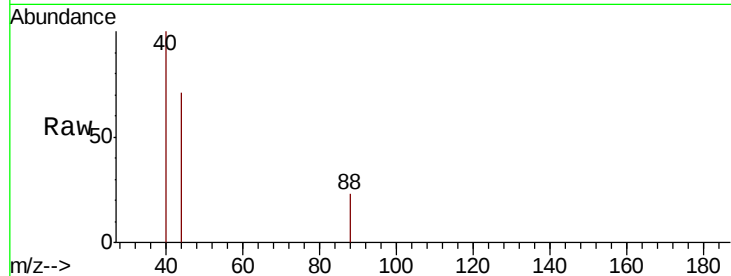




#49
 1,4-Dioxane
 Concen: 1.667 ug/l
 RT: 9.59 min Scan# 1260
 Delta R.T. 0.14 min
 Lab File: VW011830.D
 Acq: 09 Aug 2019 23:51

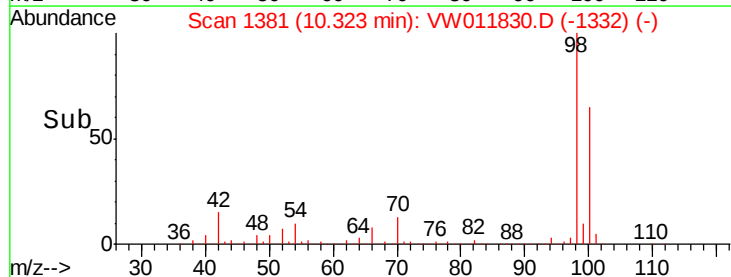
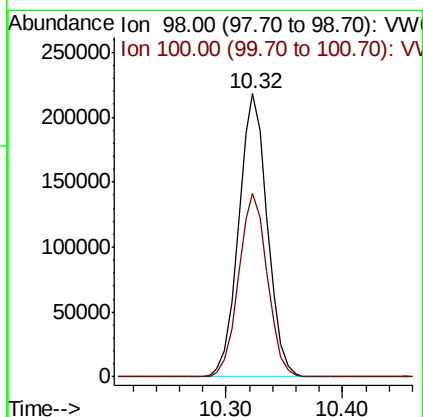
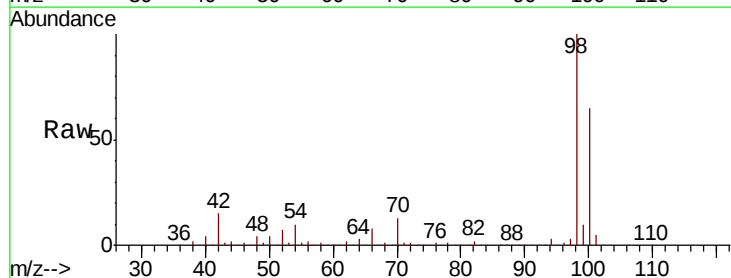
Instrument :
 MSVOA_W
 ClientSampleId :
 1S-O-(0)

Tgt Ion: 88 Resp: 26
 Ion Ratio Lower Upper
 88 100
 43 161.5 34.0 51.0#
 58 0.0 69.7 104.5#



#50
 Toluene-d8
 Concen: 53.707 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW011830.D
 Acq: 09 Aug 2019 23:51

Tgt Ion: 98 Resp: 373618
 Ion Ratio Lower Upper
 98 100
 100 64.9 52.7 79.1

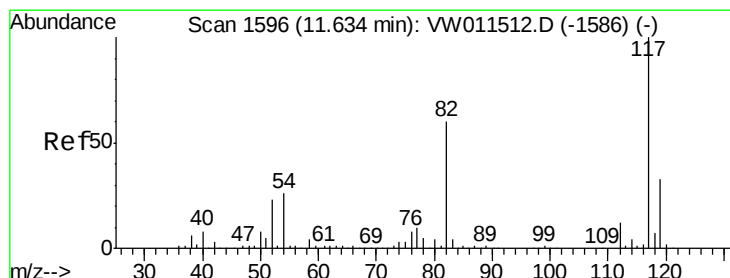
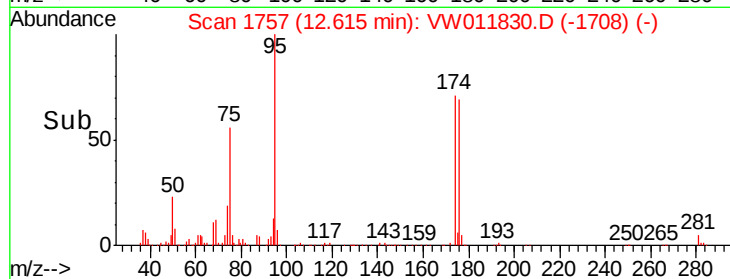
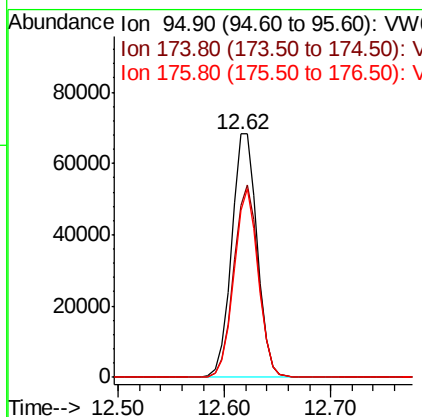
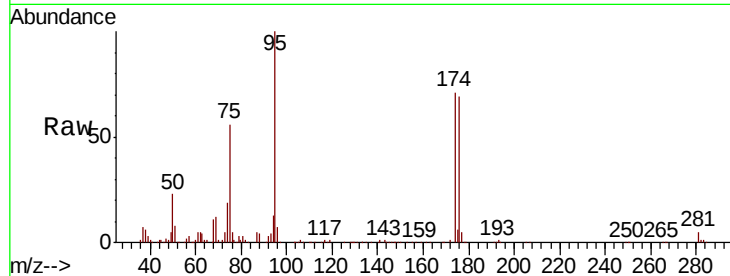




#62
4-Bromofluorobenzene
Concen: 46.355 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW011830.D
Acq: 09 Aug 2019 23:51

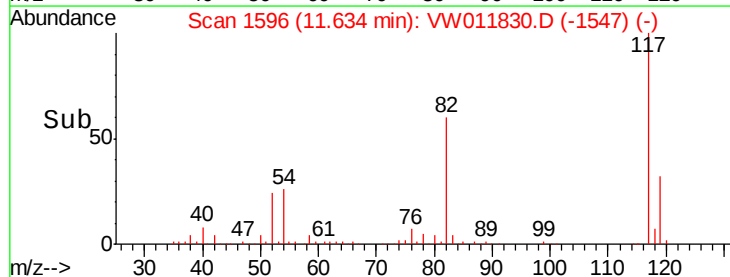
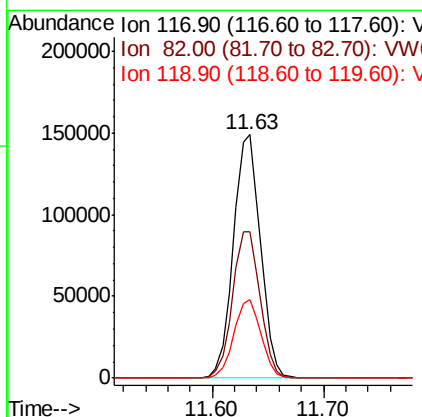
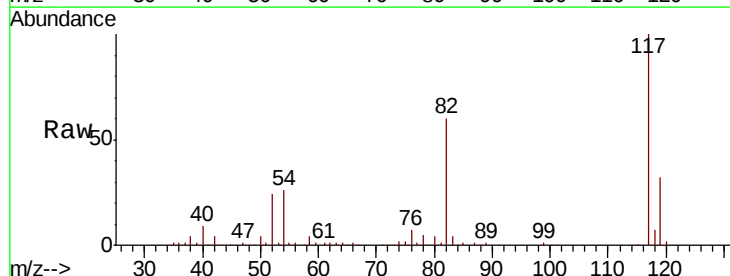
Instrument :
MSVOA_W
ClientSampleId :
1S-O-(0)

Tgt Ion: 95 Resp: 114969
Ion Ratio Lower Upper
95 100
174 76.8 0.0 150.2
176 73.4 0.0 144.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011830.D
Acq: 09 Aug 2019 23:51

Tgt Ion: 117 Resp: 250527
Ion Ratio Lower Upper
117 100
82 60.2 47.9 71.9
119 32.0 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW011830.D

Acq: 09 Aug 2019 23:51

Instrument :

MSVOA_W

ClientSampleId :

1S-O(0)

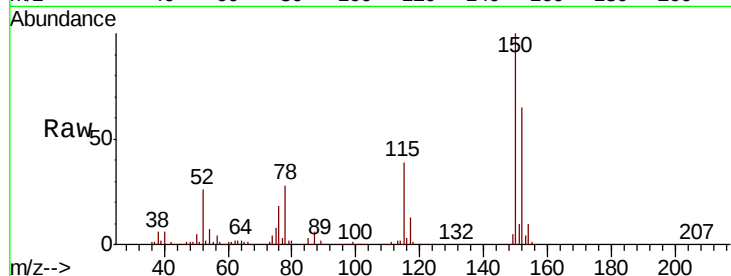
Tgt Ion:152 Resp: 98439

Ion Ratio Lower Upper

152 100

115 61.5 30.5 91.5

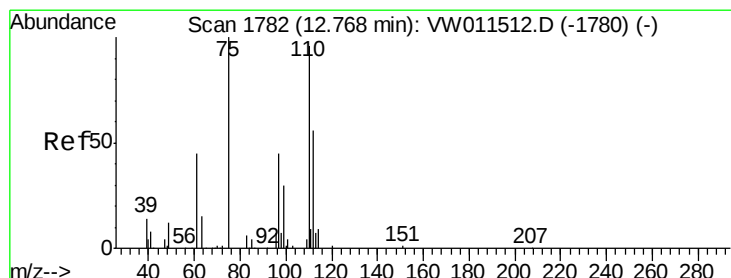
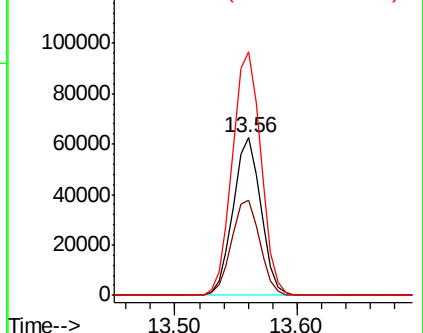
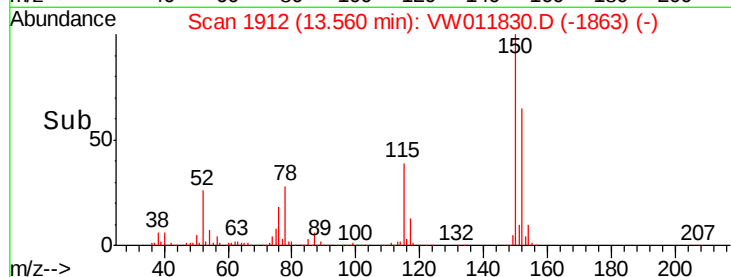
150 158.7 0.0 352.6



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: 59.854 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011830.D

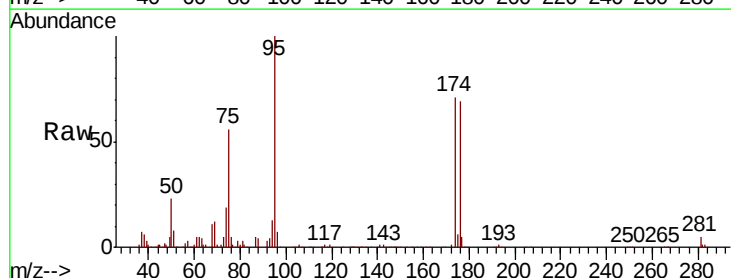
Acq: 09 Aug 2019 23:51

Tgt Ion: 75 Resp: 62344

Ion Ratio Lower Upper

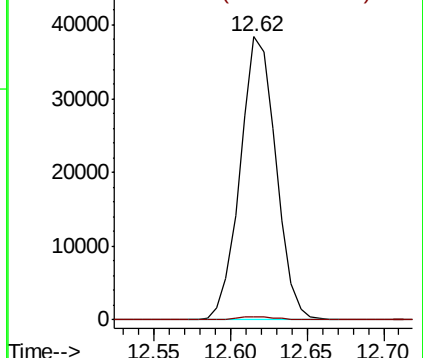
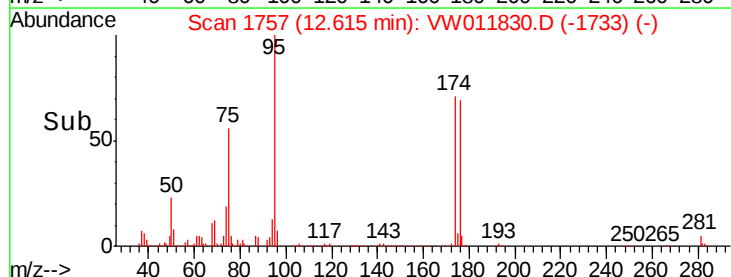
75 100

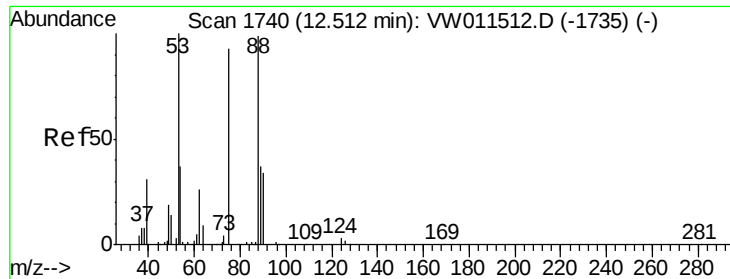
77 1.1 0.0 0.0#



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: 137.943 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011830.D

Acq: 09 Aug 2019 23:51

Instrument :

MSVOA_W

ClientSampleId :

1S-O(0)

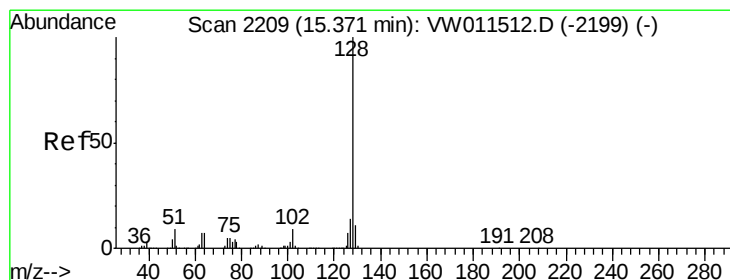
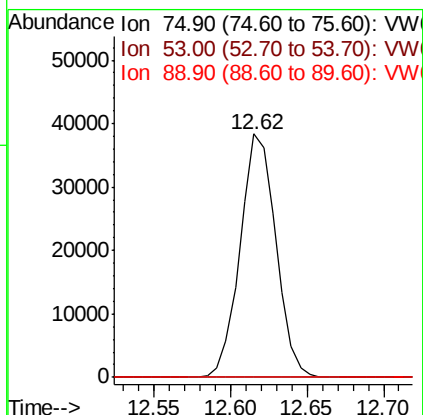
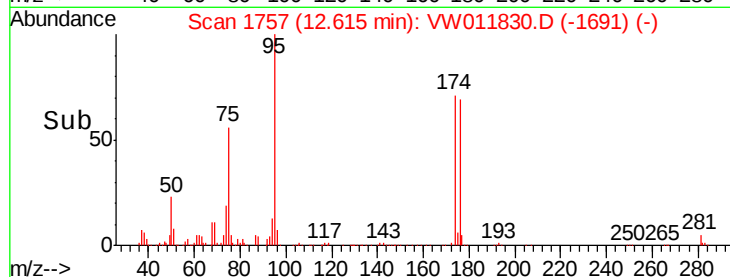
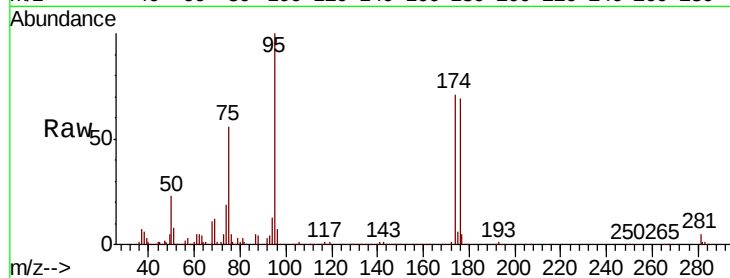
Tgt Ion: 75 Resp: 62344

Ion Ratio Lower Upper

75 100

53 0.0 88.0 132.0#

89 0.1 35.3 52.9#



#95

Naphthalene

Concen: 2.127 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011830.D

Acq: 09 Aug 2019 23:51

Tgt Ion: 128 Resp: 247

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.6 13.0#

