

Data File : VW012852.D
Acq On : 10 Sep 2019 05:22
Operator : SY/VA
Sample : K4644-12
Misc : 6.49G/5ML/MSVOA_W/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T11-E4-(0)

Quant Time: Sep 10 07:11:10 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	258609	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	392754	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	289203	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	77872	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	139769	48.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.74%	
35) Dibromofluoromethane	7.88	113	114496	49.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.06%	
50) Toluene-d8	10.32	98	449403	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	
62) 4-Bromofluorobenzene	12.62	95	113079	34.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	68.10%	

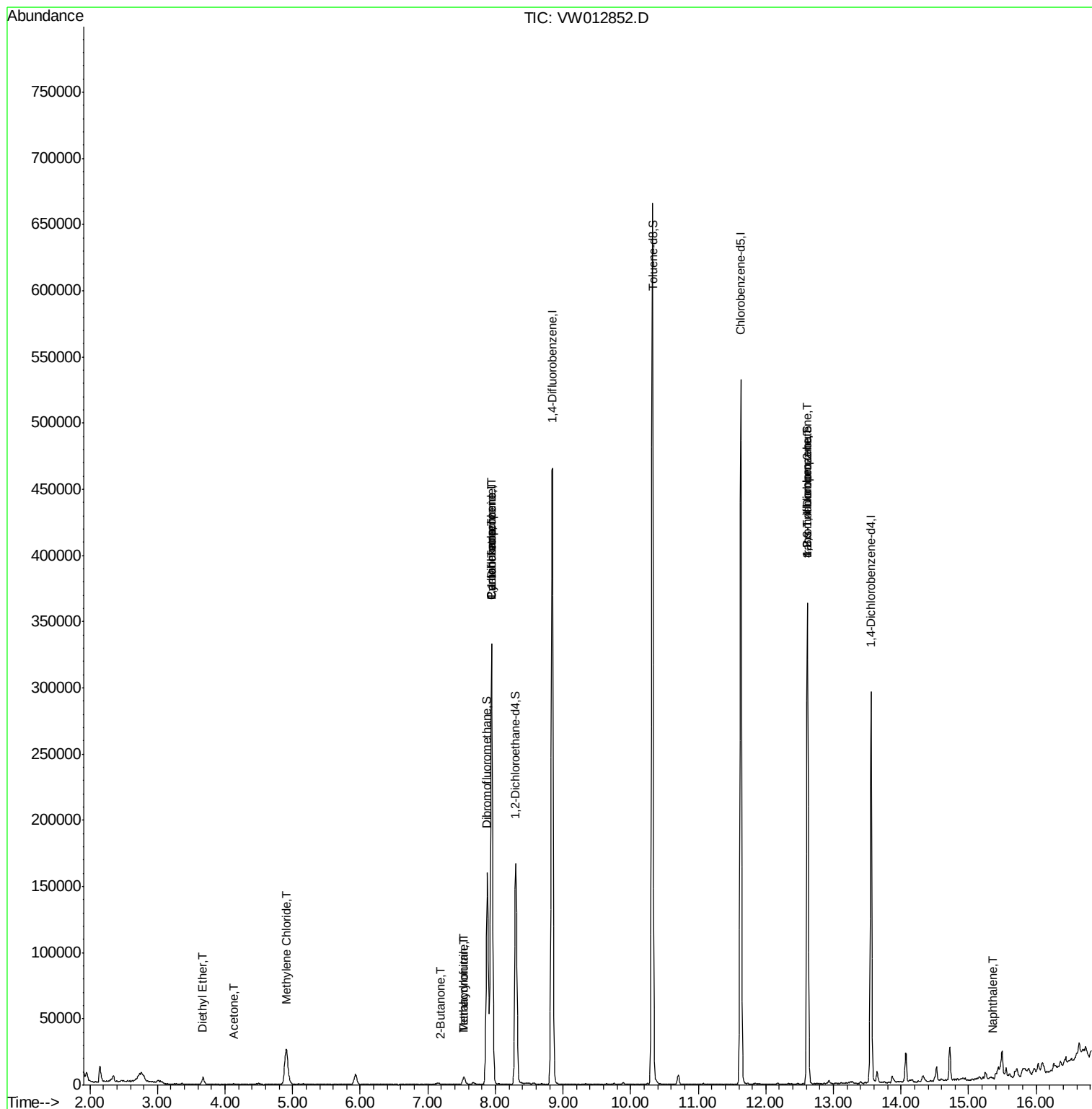
Target Compounds				Qvalue		
8) Diethyl Ether	3.67	74	2748	2.268	ug/l	98
16) Acetone	4.13	43	1184	1.503	ug/l	93
20) Methylene Chloride	4.90	84	20444	8.296	ug/l	94
25) 2-Butanone	7.20	43	70	19.736	ug/l #	53
29) Tetrahydrofuran	7.52	42	4931	7.752	ug/l	97
31) Cyclohexane	7.94	56	5319	1.252	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	19233	5.511	ug/l #	51
38) Carbon Tetrachloride	7.95	117	24847	7.223	ug/l #	17
41) Methacrylonitrile	7.52	41	2959	5.645	ug/l #	59
76) 1,2,3-Trichloropropane	12.62	75	58310	73.228	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	58310	154.883	ug/l #	6
95) Naphthalene	15.36	128	230	4.503	ug/l #	69

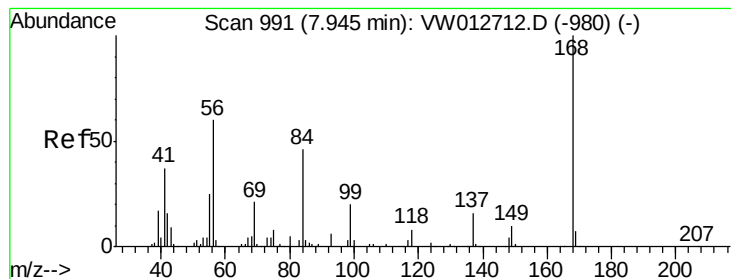
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012852.D

Acq: 10 Sep 2019 05:22

Instrument :

MSVOA_W

ClientSampleId :

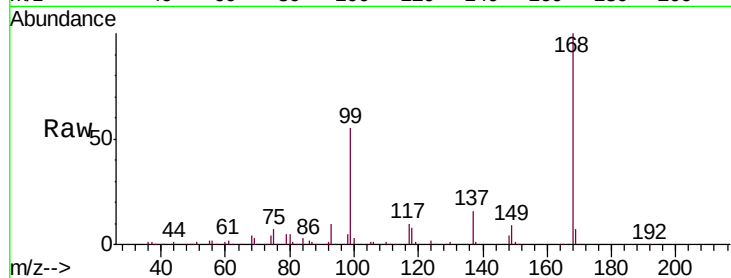
T11-E4-(0)

Tgt Ion:168 Resp: 258609

Ion Ratio Lower Upper

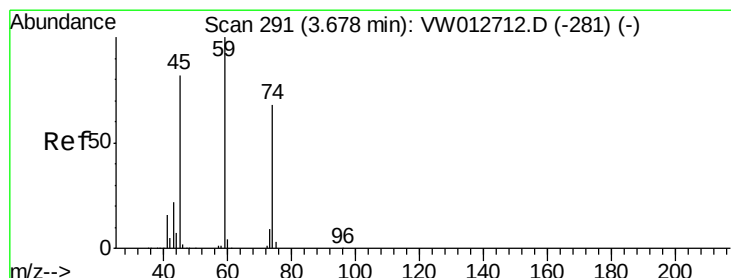
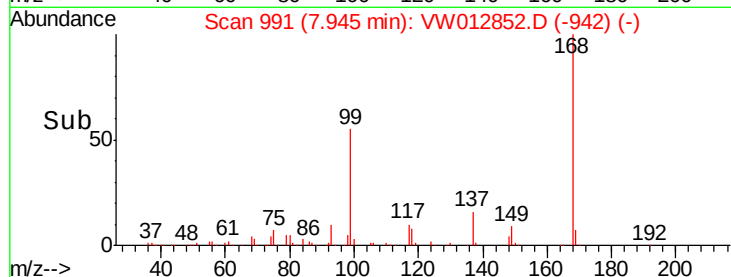
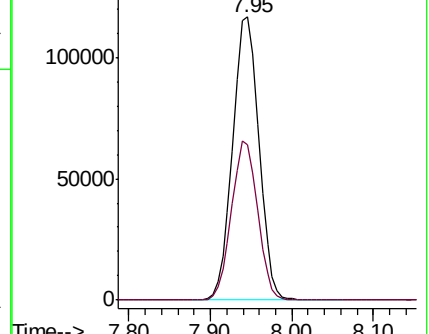
168 100

99 55.1 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 2.268 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012852.D

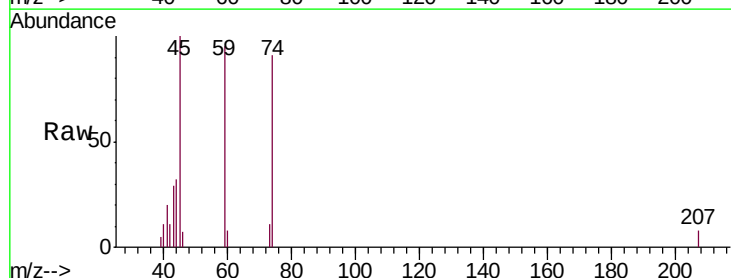
Acq: 10 Sep 2019 05:22

Tgt Ion: 74 Resp: 2748

Ion Ratio Lower Upper

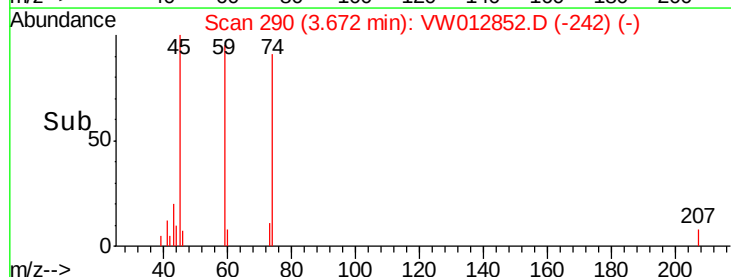
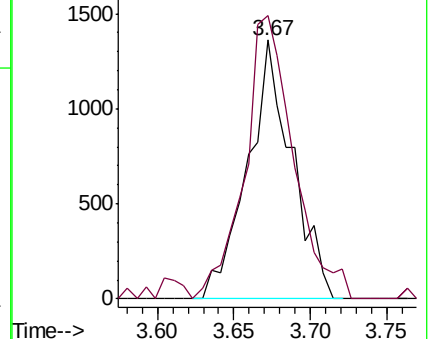
74 100

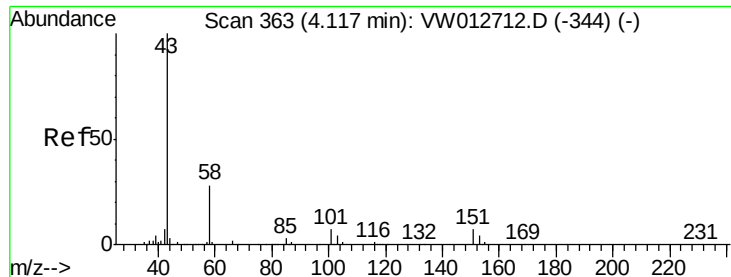
45 120.3 58.8 176.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#16

Acetone

Concen: 1.503 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW012852.D

Acq: 10 Sep 2019 05:22

Instrument :

MSVOA_W

ClientSampleId :

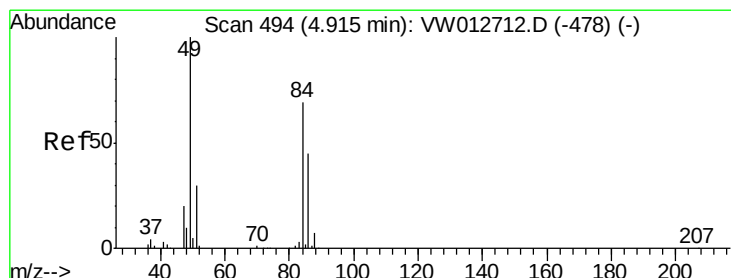
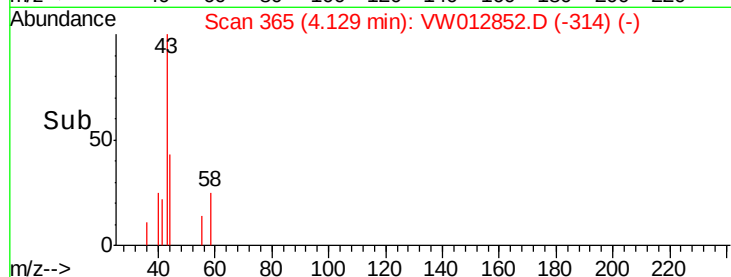
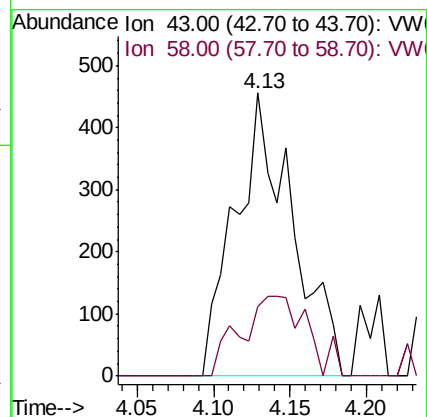
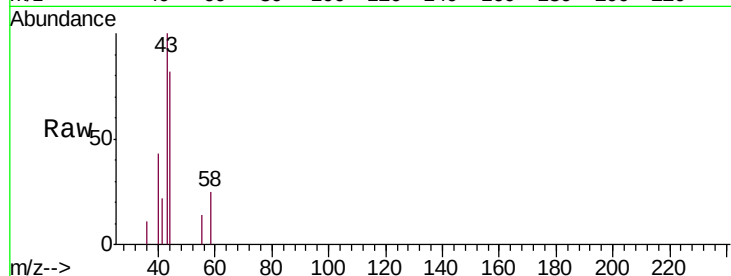
T11-E4-(0)

Tgt Ion: 43 Resp: 1184

Ion Ratio Lower Upper

43 100

58 24.6 22.6 33.8



#20

Methylene Chloride

Concen: 8.296 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW012852.D

Acq: 10 Sep 2019 05:22

Tgt Ion: 84 Resp: 20444

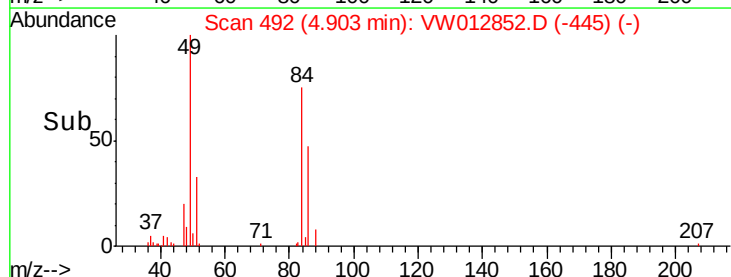
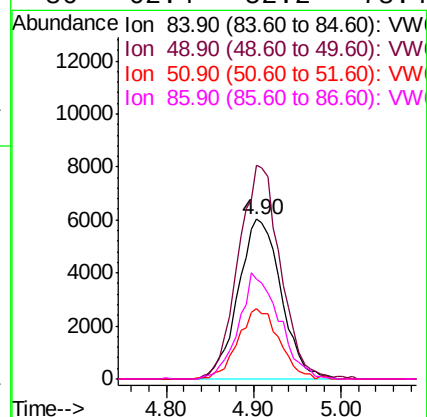
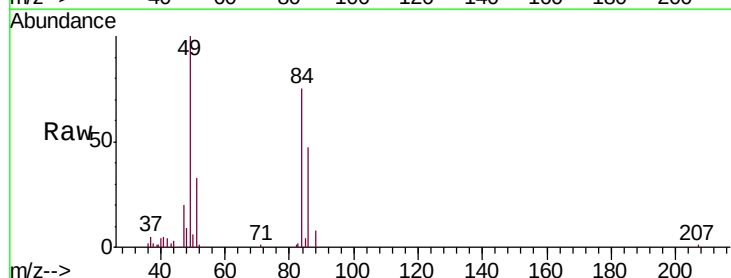
Ion Ratio Lower Upper

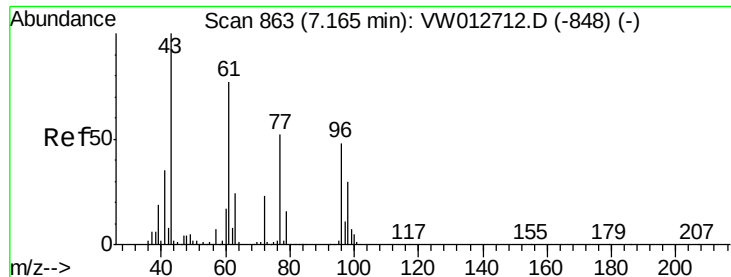
84 100

49 134.0 115.4 173.0

51 44.6 34.9 52.3

86 62.4 52.2 78.4





#25

2-Butanone

Concen: 19.736 ug/l

RT: 7.20 min Scan# 868

Delta R.T. 0.03 min

Lab File: VW012852.D

Acq: 10 Sep 2019 05:22

Instrument :

MSVOA_W

ClientSampleId :

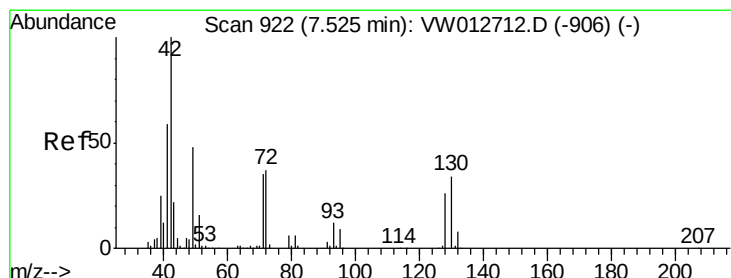
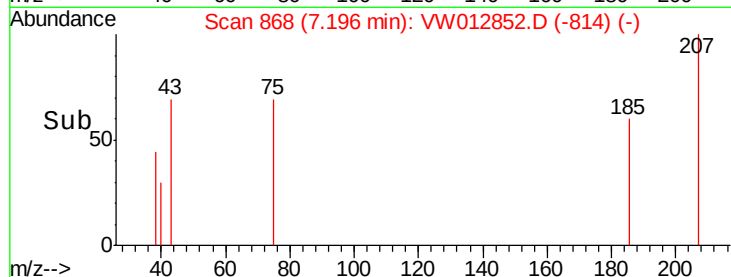
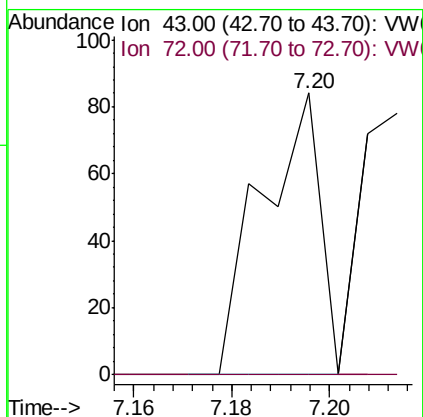
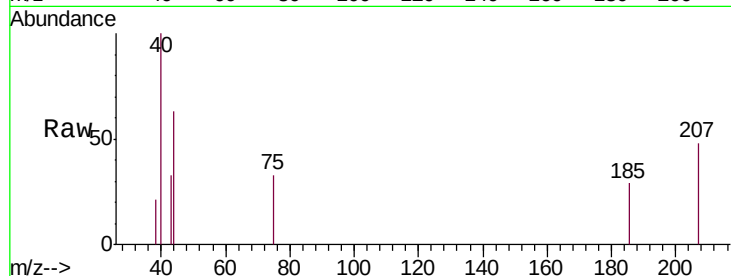
T11-E4-(0)

Tgt Ion: 43 Resp: 70

Ion Ratio Lower Upper

43 100

72 0.0 18.0 27.0#



#29

Tetrahydrofuran

Concen: 7.752 ug/l

RT: 7.52 min Scan# 922

Delta R.T. 0.00 min

Lab File: VW012852.D

Acq: 10 Sep 2019 05:22

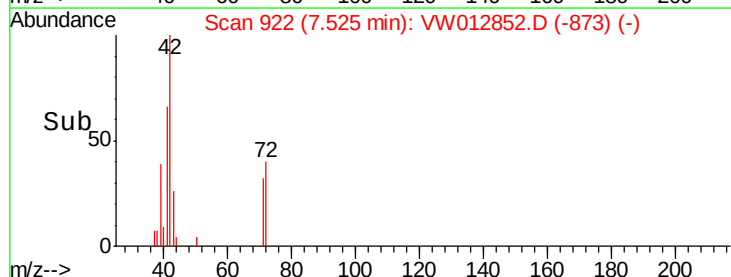
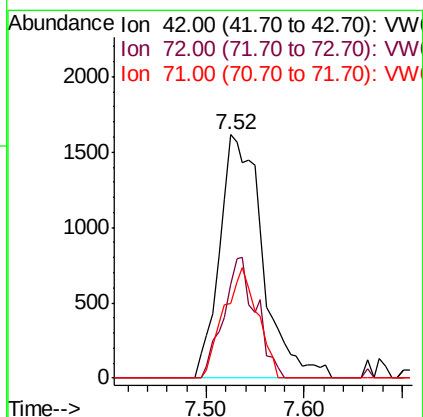
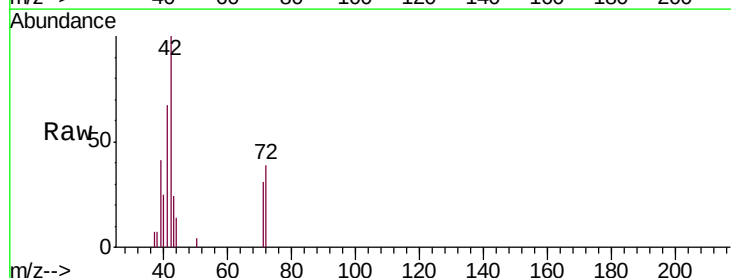
Tgt Ion: 42 Resp: 4931

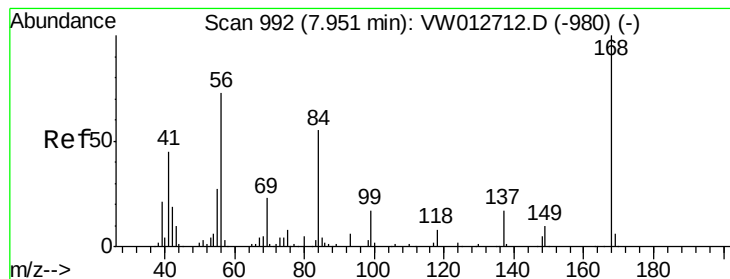
Ion Ratio Lower Upper

42 100

72 37.5 28.4 42.6

71 35.7 27.1 40.7





#31

Cyclohexane

Concen: 1.252 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW012852.D

Acq: 10 Sep 2019 05:22

Instrument :

MSVOA_W

ClientSampleId :

T11-E4-(0)

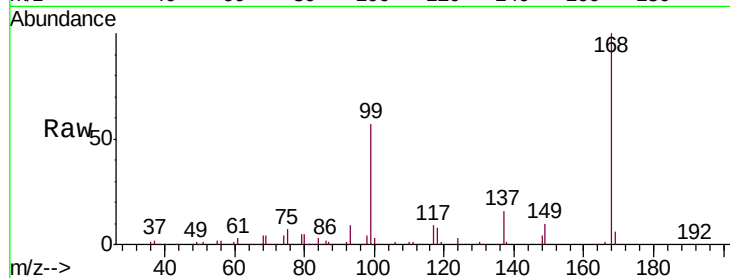
Tgt Ion: 56 Resp: 5319

Ion Ratio Lower Upper

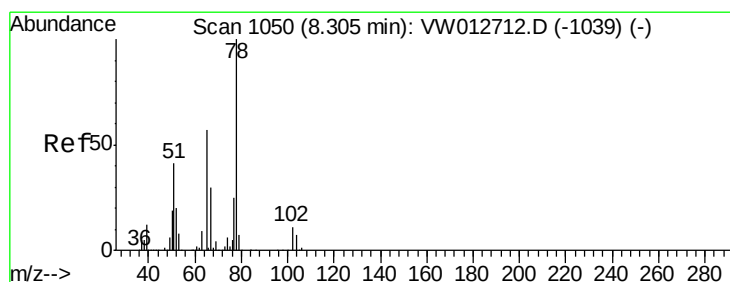
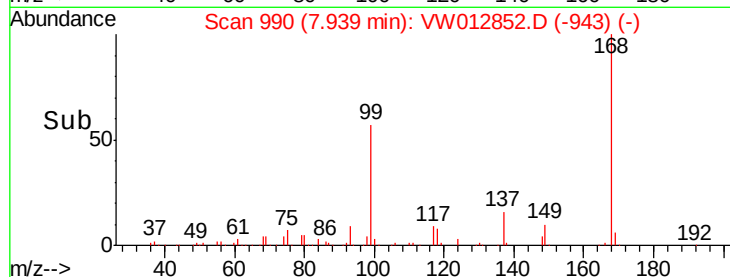
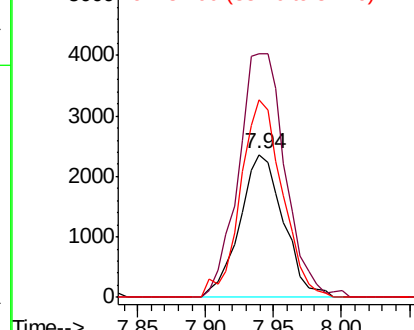
56 100

69 170.6 25.7 38.5#

84 138.7 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: 48.371 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW012852.D

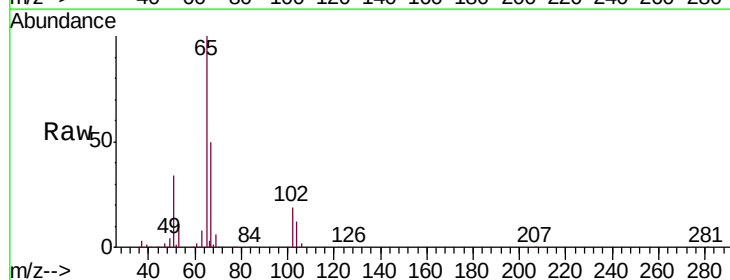
Acq: 10 Sep 2019 05:22

Tgt Ion: 65 Resp: 139769

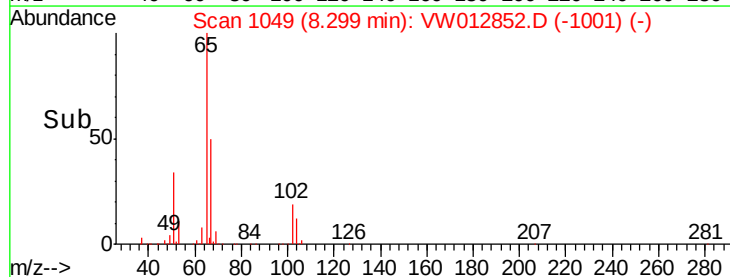
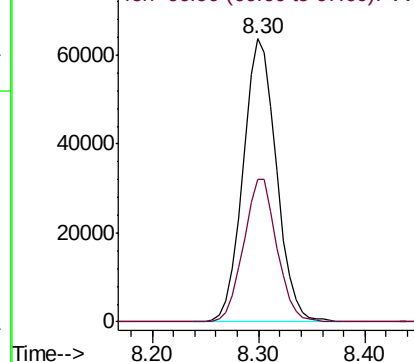
Ion Ratio Lower Upper

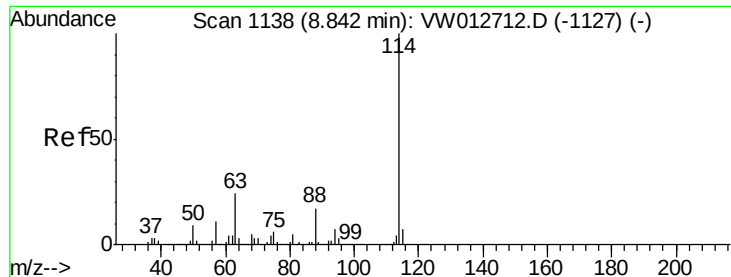
65 100

67 50.5 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# 1137

Delta R.T. -0.01 min

Lab File: VW012852.D

Acq: 10 Sep 2019 05:22

Instrument :

MSVOA_W

ClientSampleId :

T11-E4-(0)

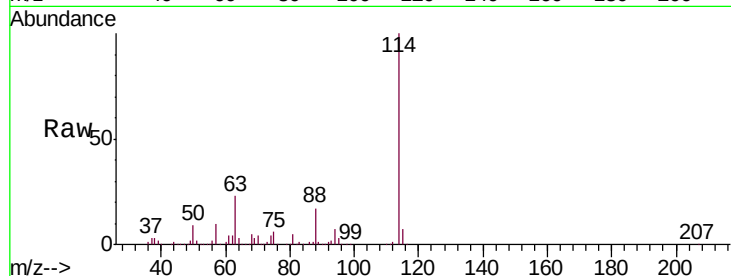
Tgt Ion:114 Resp: 392754

Ion Ratio Lower Upper

114 100

63 23.3 0.0 47.2

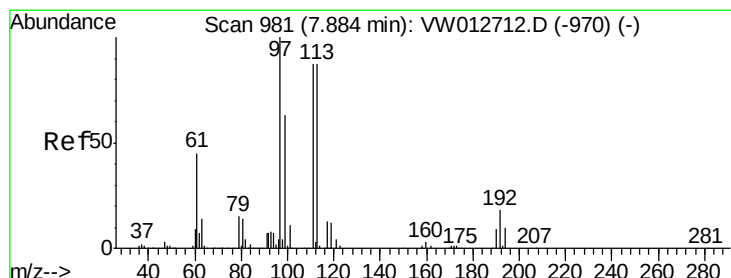
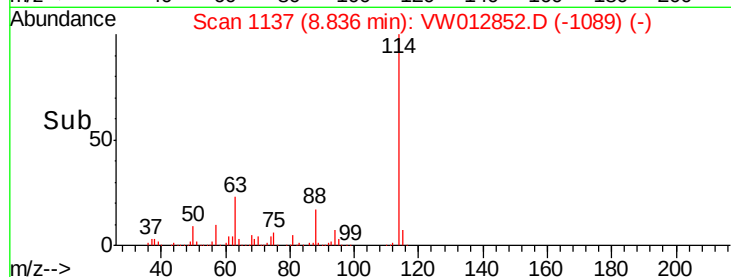
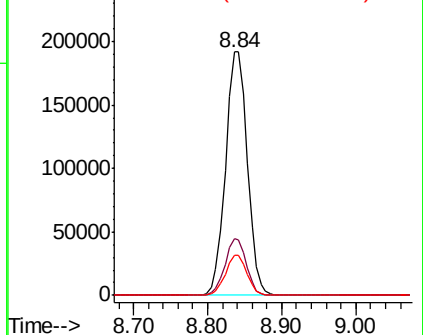
88 16.6 0.0 34.0



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: 49.034 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW012852.D

Acq: 10 Sep 2019 05:22

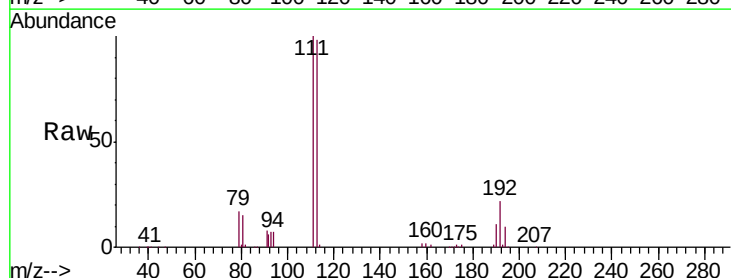
Tgt Ion:113 Resp: 114496

Ion Ratio Lower Upper

113 100

111 102.8 80.2 120.4

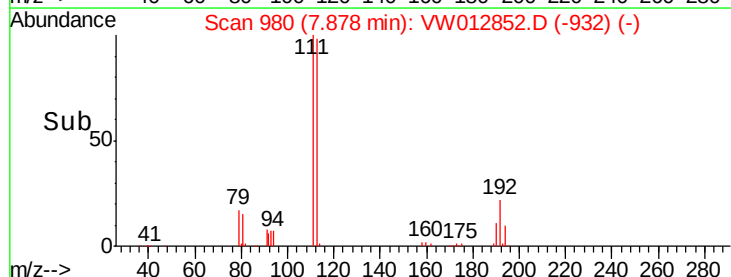
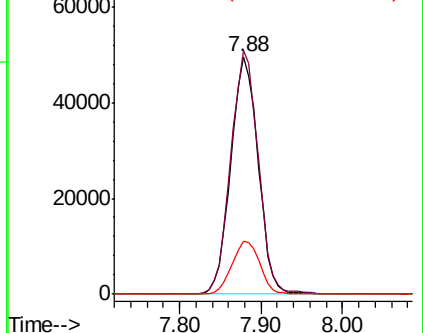
192 22.7 17.3 25.9

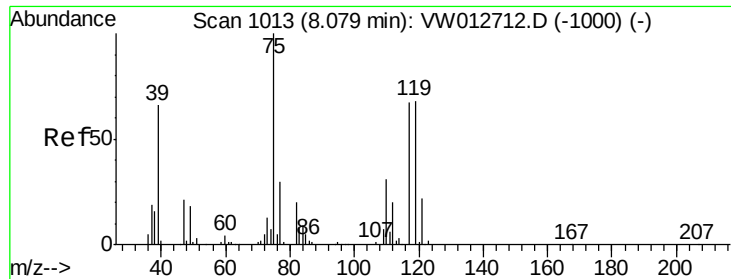


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

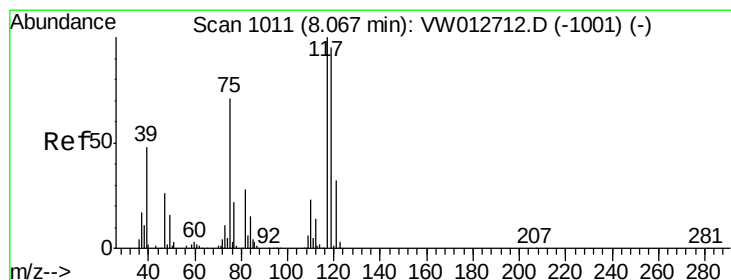
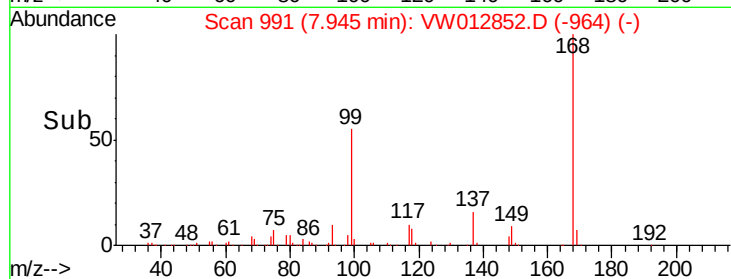
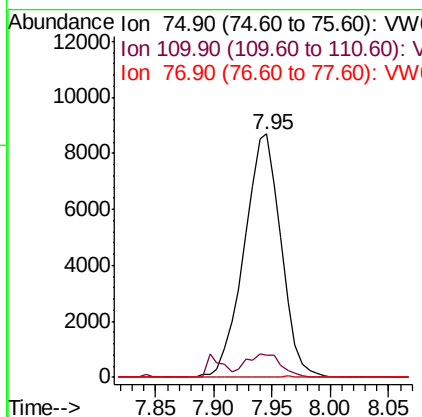
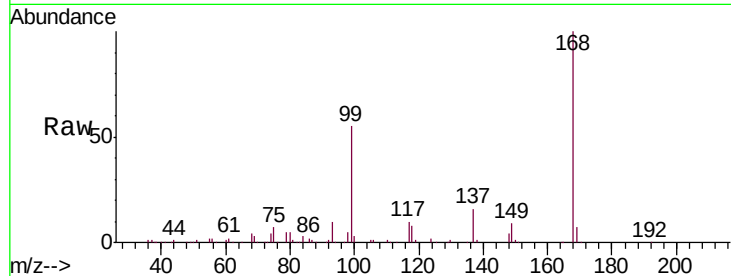




#36
 1,1-Dichloropropene
 Concen: 5.511 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012852.D
 Acq: 10 Sep 2019 05:22

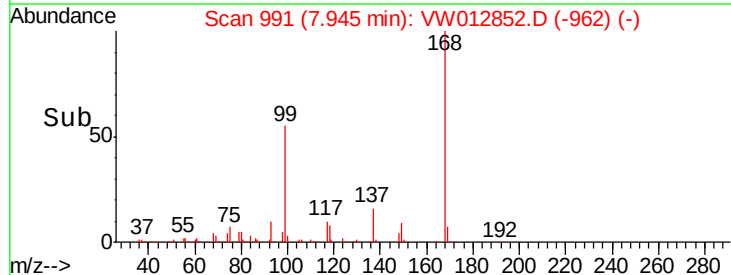
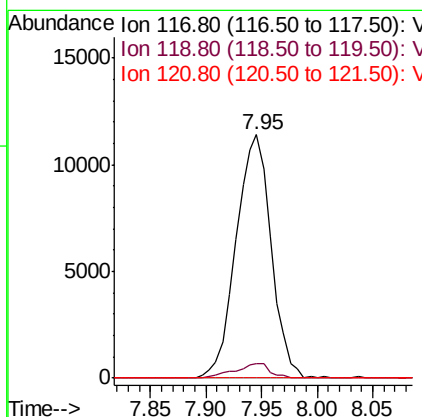
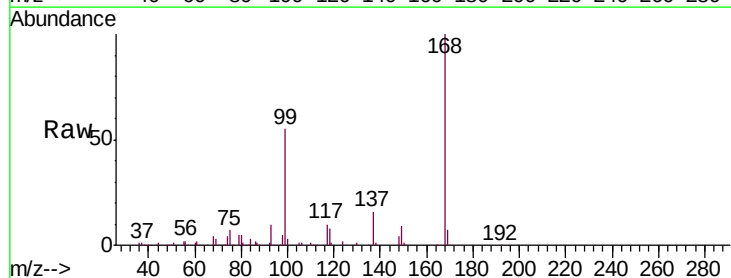
Instrument :
 MSVOA_W
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 T11-E4-(0)

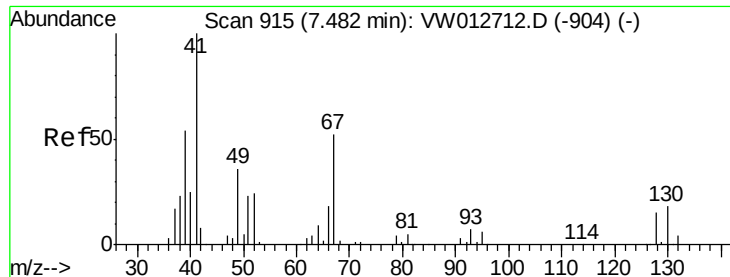
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.2	15.9	47.7#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 7.223 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012852.D
 Acq: 10 Sep 2019 05:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.0	76.2	114.2#
121	0.0	25.4	38.2#

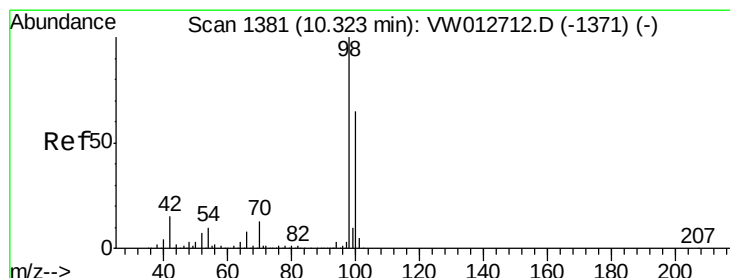
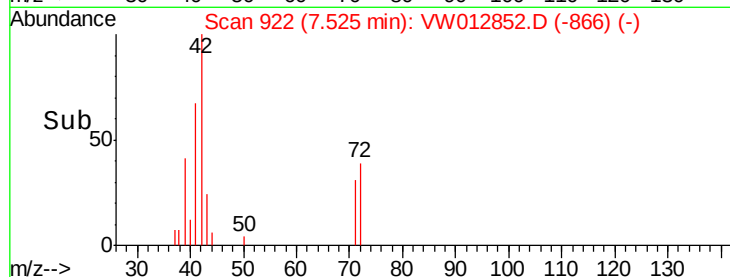
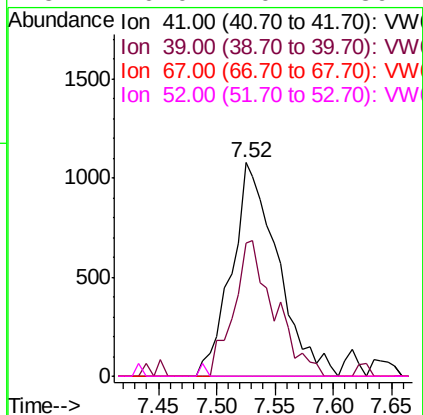
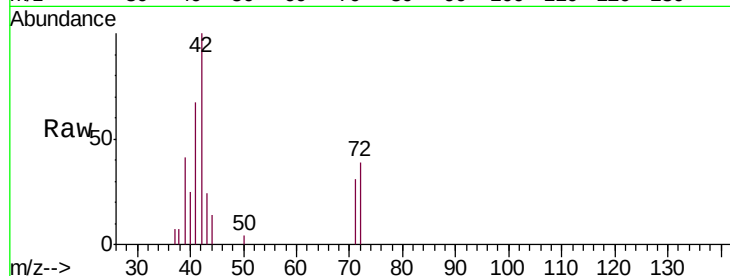




#41
Methacrylonitrile
Concen: 5.645 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.04 min
Lab File: VW012852.D
Acq: 10 Sep 2019 05:22

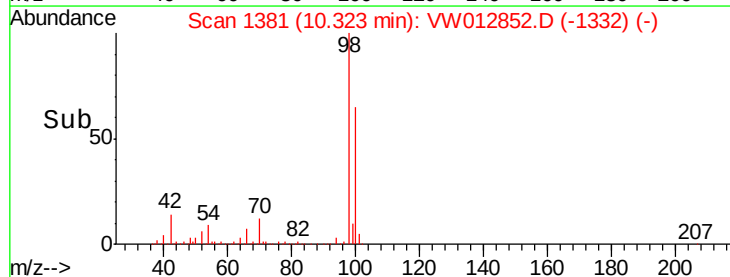
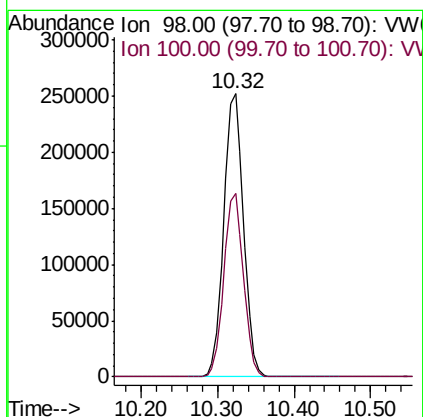
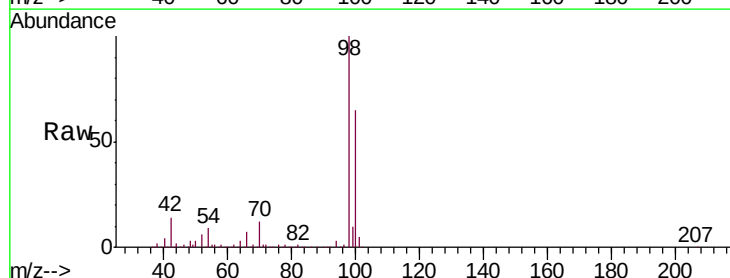
Instrument :
MSVOA_W
ClientSampleId :
T11-E4-(0)

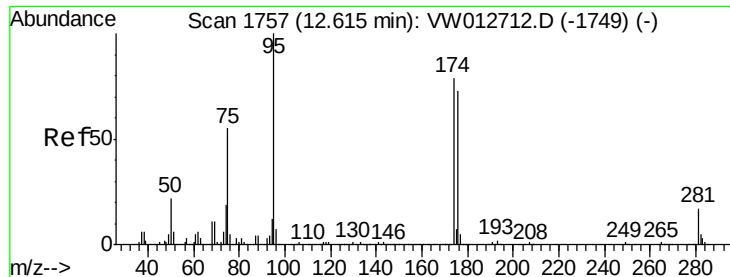
Tgt Ion: 41 Resp: 2959
Ion Ratio Lower Upper
41 100
39 56.7 47.5 71.3
67 0.0 45.1 67.7#
52 0.0 20.2 30.2#



#50
Toluene-d8
Concen: 49.125 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012852.D
Acq: 10 Sep 2019 05:22

Tgt Ion: 98 Resp: 449403
Ion Ratio Lower Upper
98 100
100 64.3 52.2 78.4

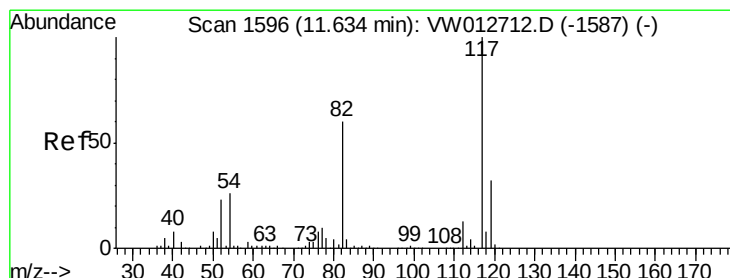
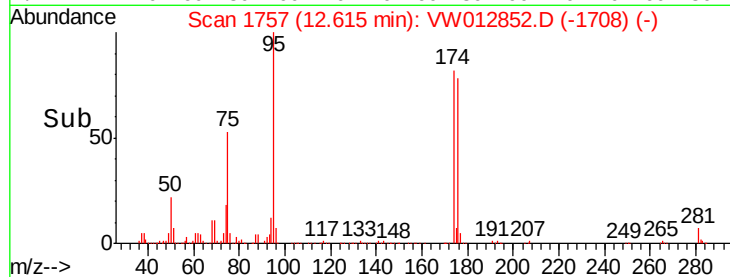
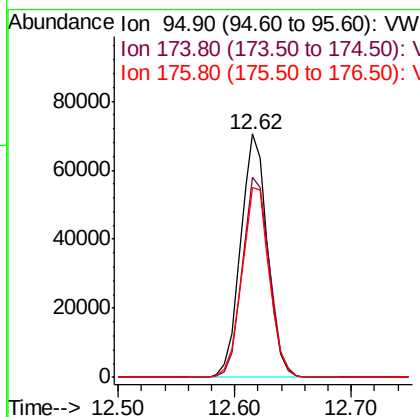
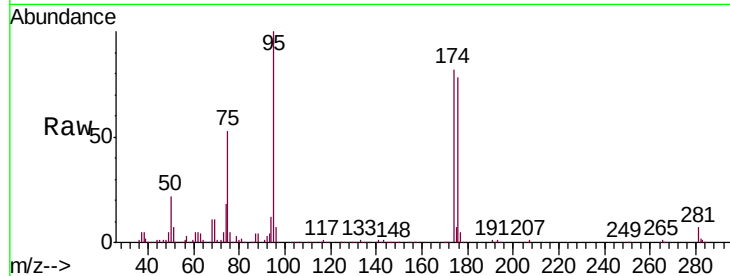




#62
4-Bromofluorobenzene
Concen: 34.049 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW012852.D
Acq: 10 Sep 2019 05:22

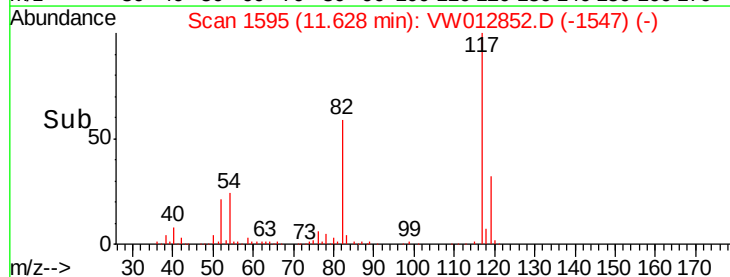
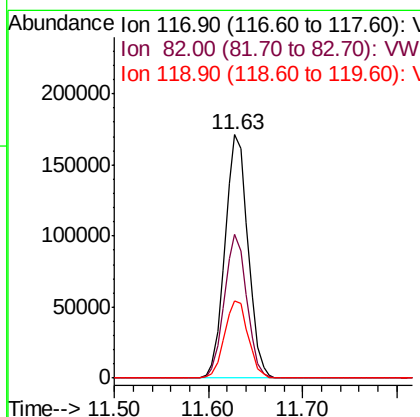
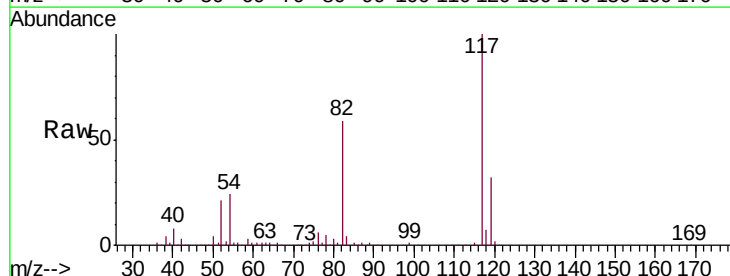
Instrument :
MSVOA_W
ClientSampleId :
T11-E4-(0)

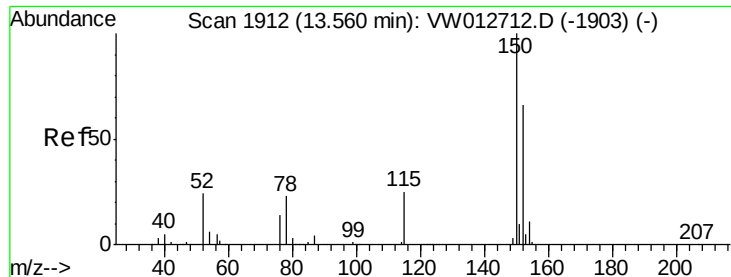
Tgt Ion: 95 Resp: 113079
Ion Ratio Lower Upper
95 100
174 83.1 0.0 161.0
176 80.0 0.0 156.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012852.D
Acq: 10 Sep 2019 05:22

Tgt Ion: 117 Resp: 289203
Ion Ratio Lower Upper
117 100
82 59.0 48.2 72.4
119 31.8 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: VW012852.D

Acq: 10 Sep 2019 05:22

Instrument :

MSVOA_W

ClientSampleId :

T11-E4-(0)

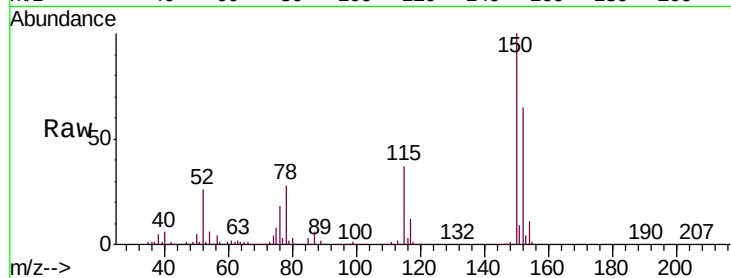
Tgt Ion:152 Resp: 77872

Ion Ratio Lower Upper

152 100

115 57.0 30.0 90.1

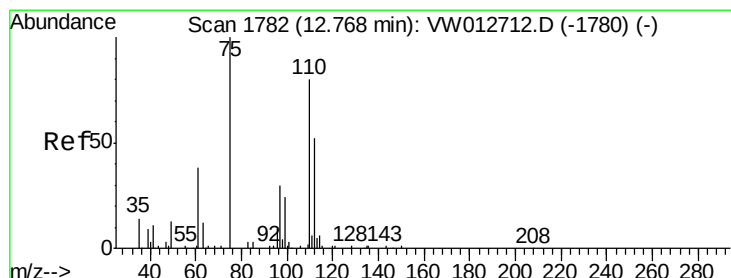
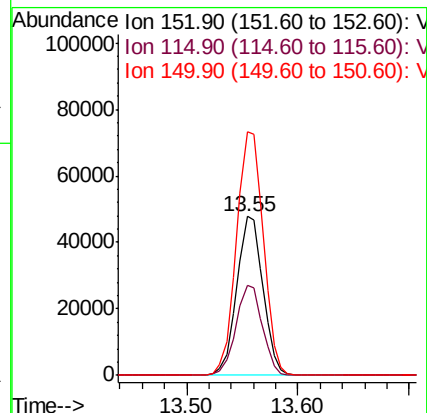
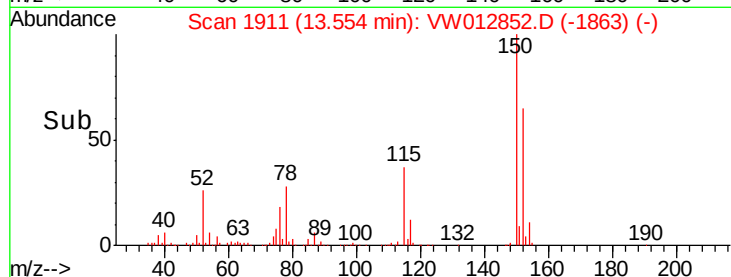
150 157.3 0.0 349.0



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: 73.228 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012852.D

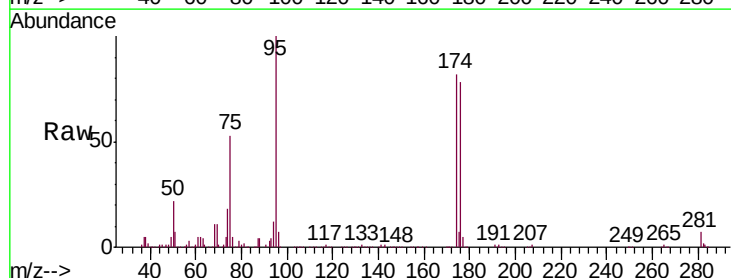
Acq: 10 Sep 2019 05:22

Tgt Ion: 75 Resp: 58310

Ion Ratio Lower Upper

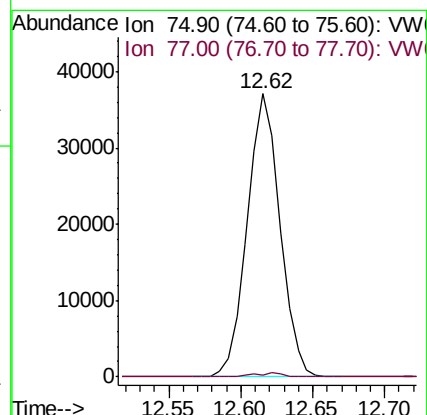
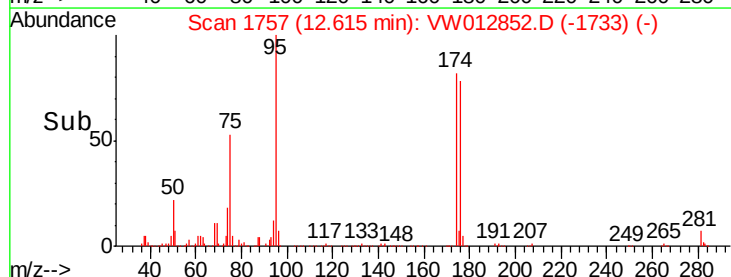
75 100

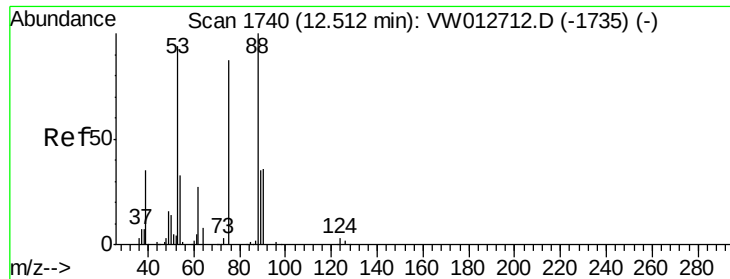
77 1.4 0.0 0.0#



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: 154.883 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012852.D

Acq: 10 Sep 2019 05:22

Instrument :

MSVOA_W

ClientSampleId :

T11-E4-(0)

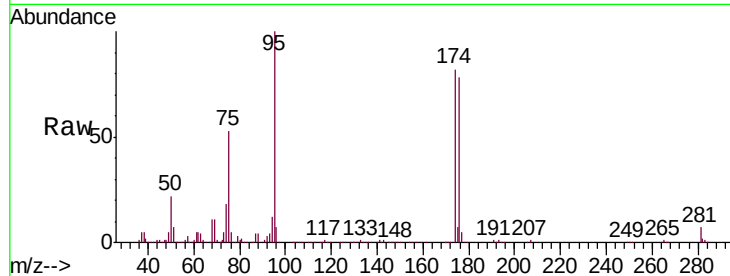
Tgt Ion: 75 Resp: 58310

Ion Ratio Lower Upper

75 100

53 0.2 87.6 131.4#

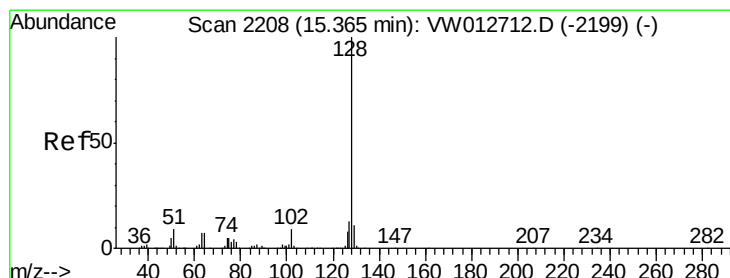
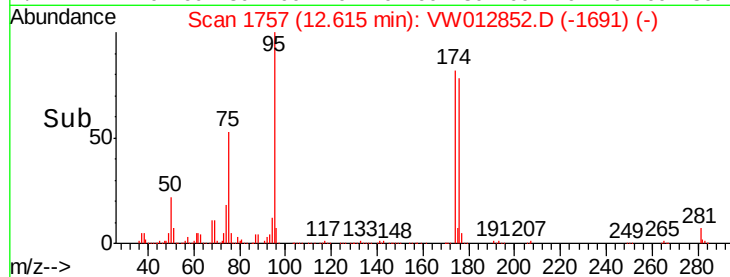
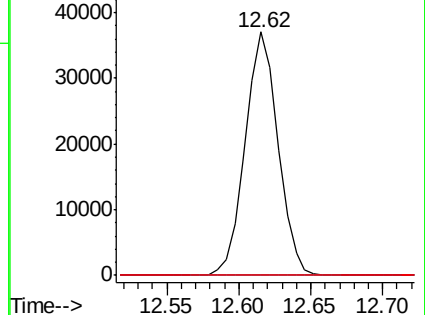
89 0.0 35.5 53.3#



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: 4.503 ug/l

RT: 15.36 min Scan# 2207

Delta R.T. -0.01 min

Lab File: VW012852.D

Acq: 10 Sep 2019 05:22

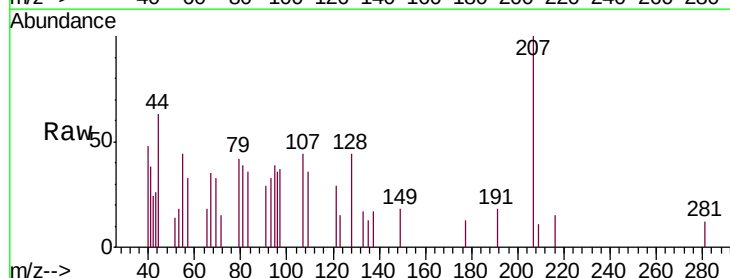
Tgt Ion: 128 Resp: 230

Ion Ratio Lower Upper

128 100

127 0.0 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

