

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062819\
 Data File : VW011046.D
 Acq On : 28 Jun 2019 05:33
 Operator : SY/VA
 Sample : K3552-18
 Misc : 5.02G/5ML/MSVOA W/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 M-9A

Quant Time: Jun 28 08:36:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062819S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 28 01:55:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	215551	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	366761	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	309040	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	130436	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	139872	49.64	ug/l	0.00
Spiked Amount			Recovery	=	99.28%	
35) Dibromofluoromethane	7.88	113	109812	49.03	ug/l	0.00
Spiked Amount			Recovery	=	98.06%	
50) Toluene-d8	10.32	98	456261	49.49	ug/l	0.00
Spiked Amount			Recovery	=	98.98%	
62) 4-Bromofluorobenzene	12.62	95	147878	43.86	ug/l	0.00
Spiked Amount			Recovery	=	87.72%	

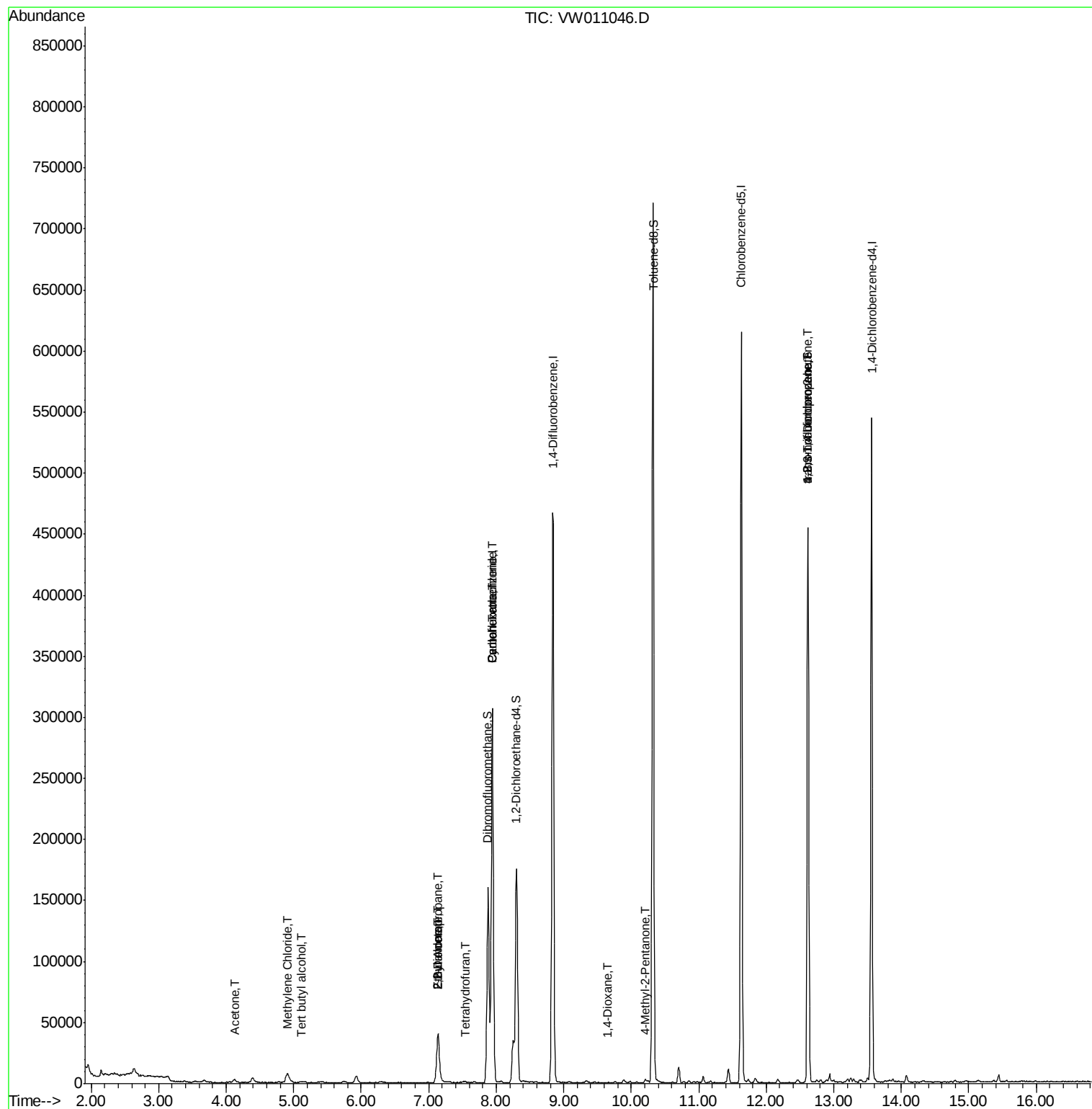
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	926	4.525	ug/l #	71
16) Acetone	4.12	43	5041	7.329	ug/l	100
20) Methylene Chloride	4.91	84	5681	2.033	ug/l	94
25) 2-Butanone	7.13	43	3689	3.528	ug/l #	88
26) 2,2-Dichloropropane	7.13	77	2815	1.087	ug/l #	54
29) Tetrahydrofuran	7.53	42	709	1.089	ug/l #	88
31) Cyclohexane	7.94	56	6494	1.205	ug/l #	22
37) Ethyl Acetate	7.13	43	3689	1.609	ug/l #	19
38) Carbon Tetrachloride	7.94	117	22292	6.867	ug/l #	16
49) 1,4-Dioxane	9.65	88	24	1.037	ug/l #	1
51) 4-Methyl-2-Pentanone	10.21	43	2597	1.137	ug/l #	86
76) 1,2,3-Trichloropropane	12.62	75	81501	59.185	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	81501	119.699	ug/l #	3

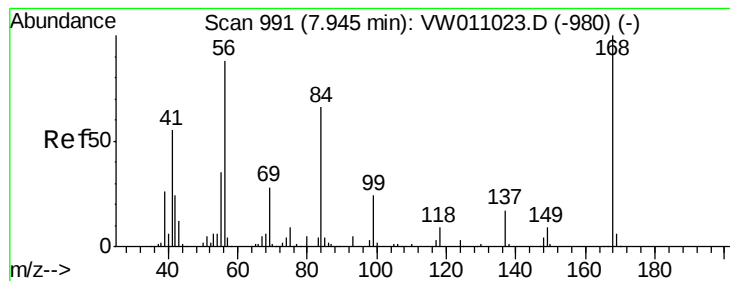
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW011046.D

Acq: 28 Jun 2019 05:33

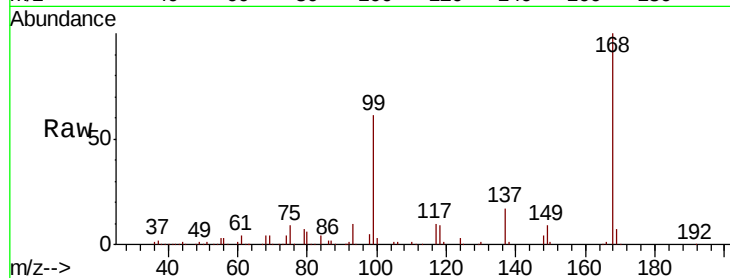
Instrument :
MSVOA_W
ClientSampled :
M-9A

Tot Ion:168 Resp: 215551

Ion Ratio Lower Upper

168 100

99 60.5 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

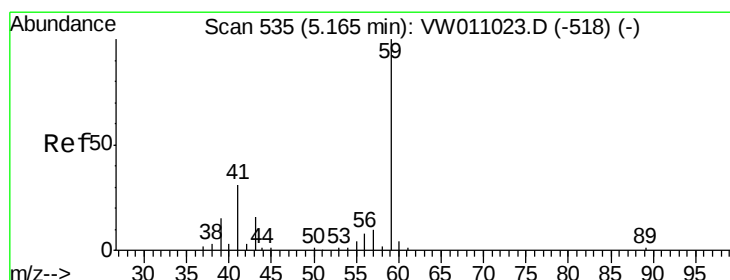
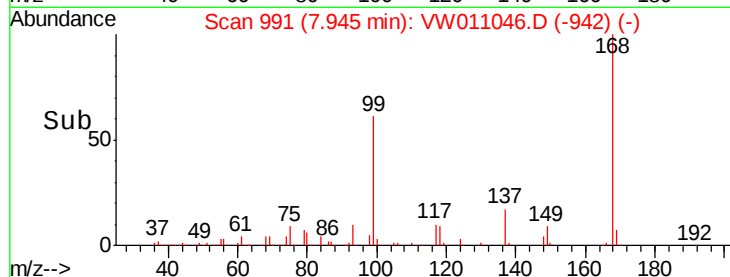
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#11

Tert butyl alcohol

Concen: 4.525 ug/l

RT: 5.12 min Scan# 527

Delta R.T. -0.05 min

Lab File: VW011046.D

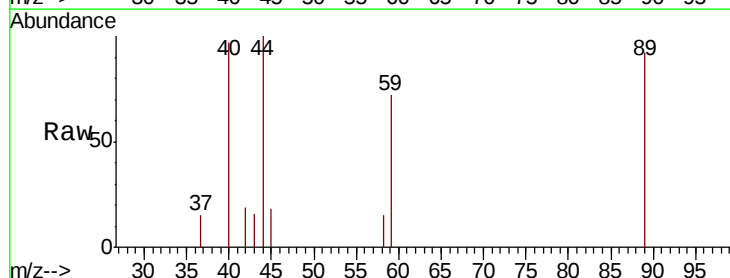
Acq: 28 Jun 2019 05:33

Tgt Ion: 59 Resp: 926

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.12

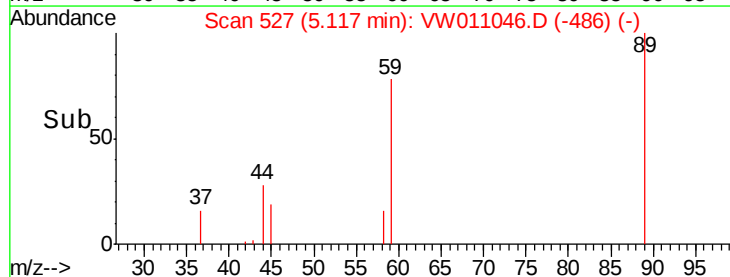
300

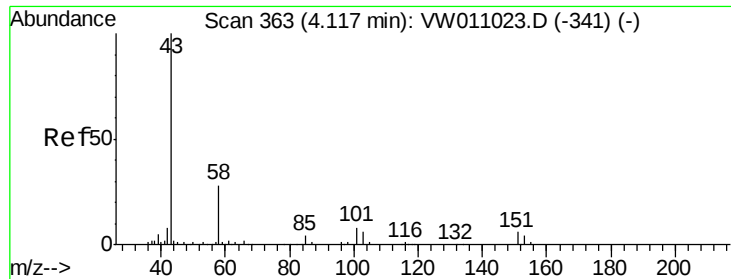
200

100

0

Time--> 5.05 5.10 5.15





#16

Acetone

Concen: 7.329 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW011046.D

Acq: 28 Jun 2019 05:33

Instrument :

MSVOA_W

ClientSampleId :

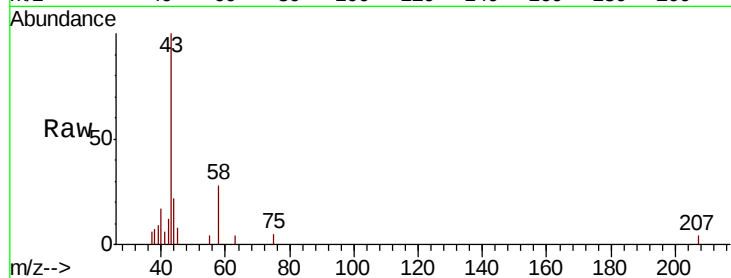
M-9A

Tot Ion: 43 Resp: 5041

Ion Ratio Lower Upper

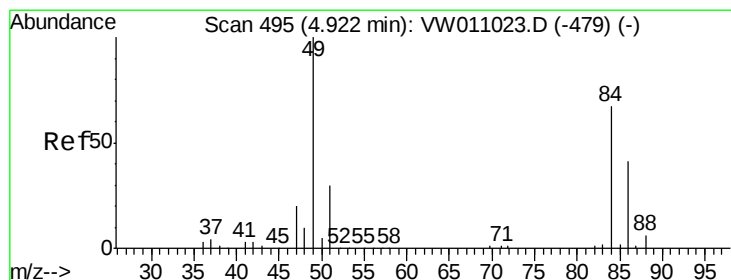
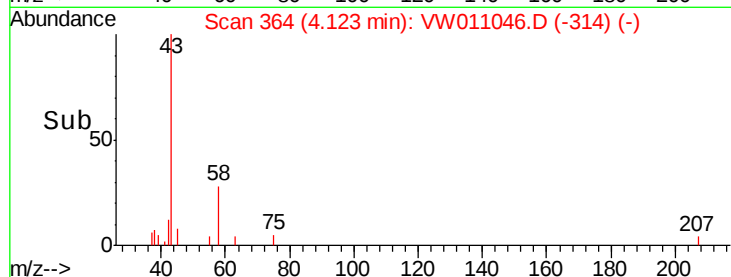
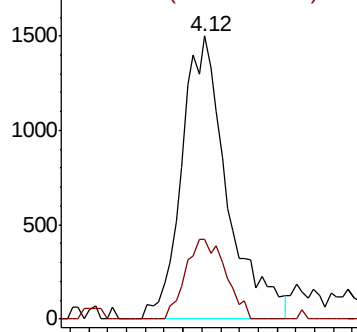
43 100

58 28.2 22.5 33.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 2.033 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW011046.D

Acq: 28 Jun 2019 05:33

Tgt Ion: 84 Resp: 5681

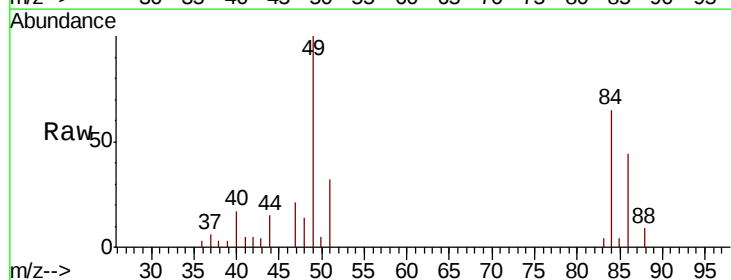
Ion Ratio Lower Upper

84 100

49 154.6 119.6 179.4

51 49.6 35.6 53.4

86 67.8 49.0 73.6

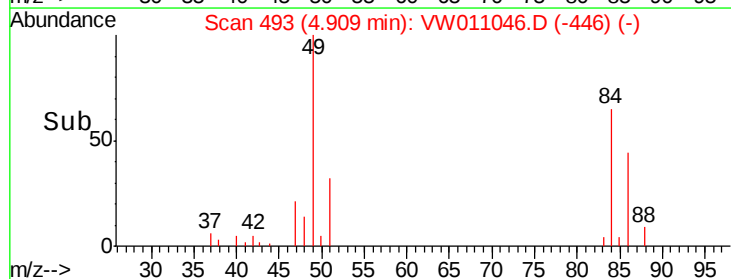
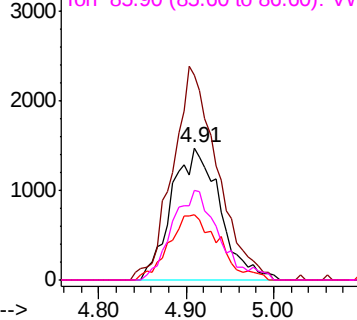


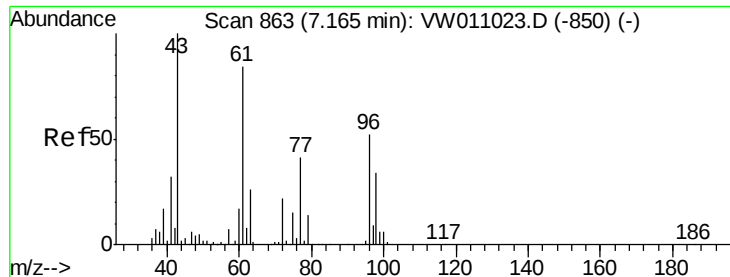
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW





#25

2-Butanone

Concen: 3.528 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.03 min

Lab File: VW011046.D

Acq: 28 Jun 2019 05:33

Instrument :

MSVOA_W

ClientSampled :

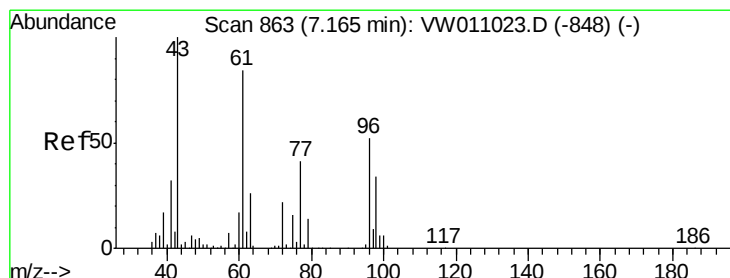
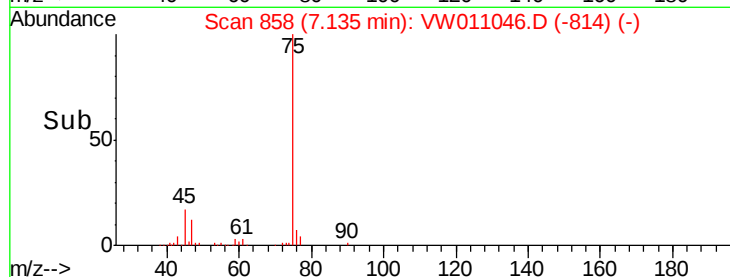
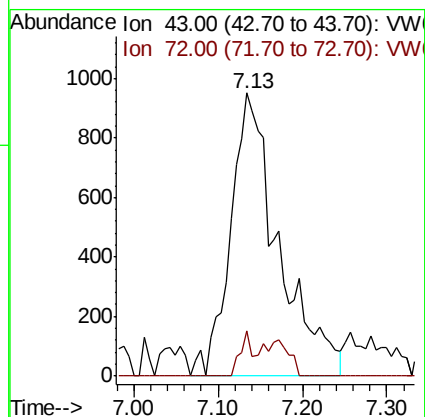
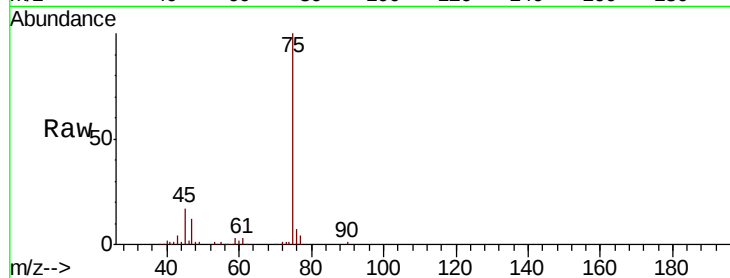
M-9A

Tot Ion: 43 Resp: 3689

Ion Ratio Lower Upper

43 100

72 15.9 17.2 25.8#



#26

2,2-Dichloropropane

Concen: 1.087 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.03 min

Lab File: VW011046.D

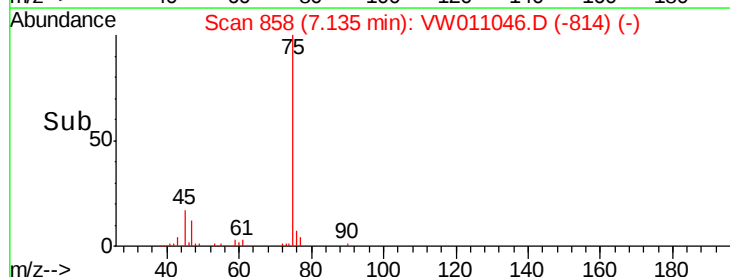
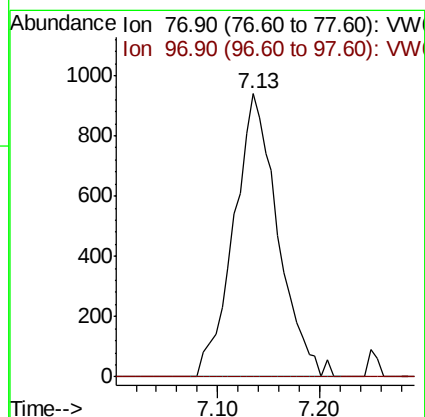
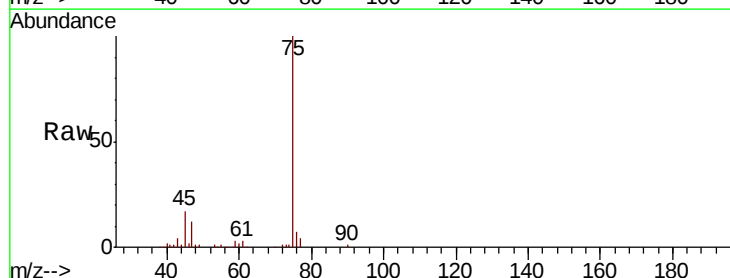
Acq: 28 Jun 2019 05:33

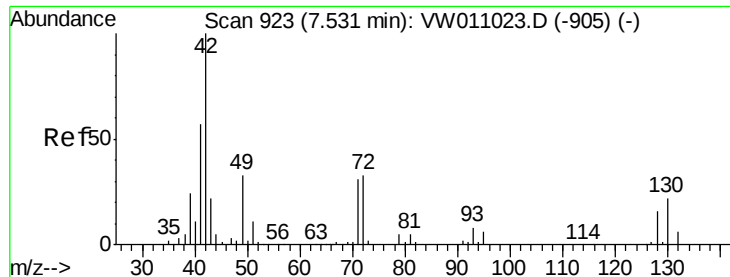
Tgt Ion: 77 Resp: 2815

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.7#

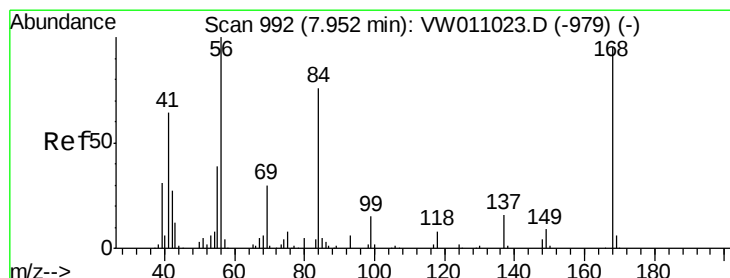
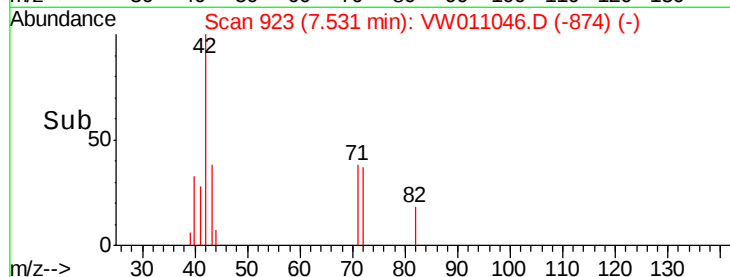
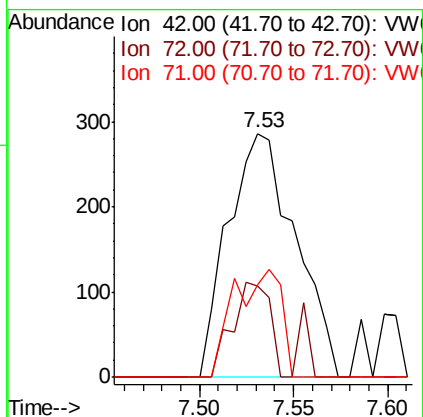
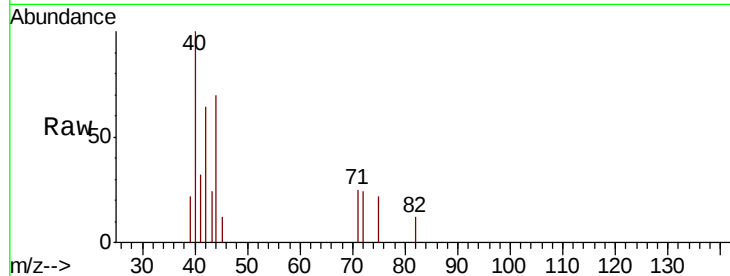




#29
Tetrahydrofuran
Concen: 1.089 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW011046.D
Acq: 28 Jun 2019 05:33

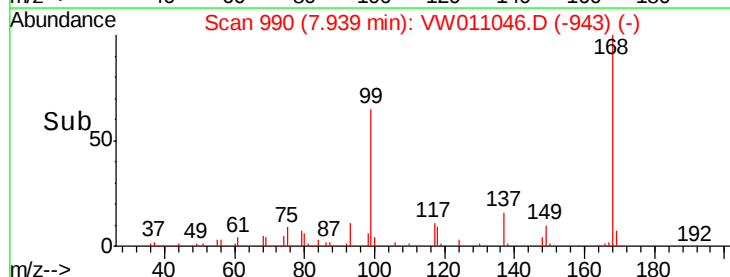
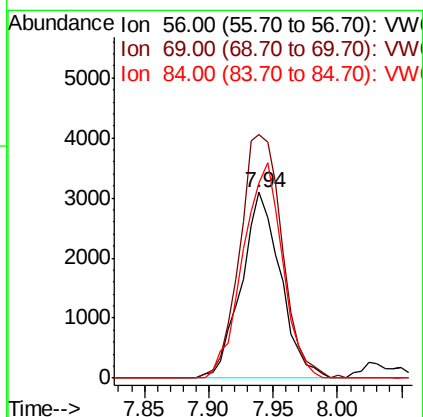
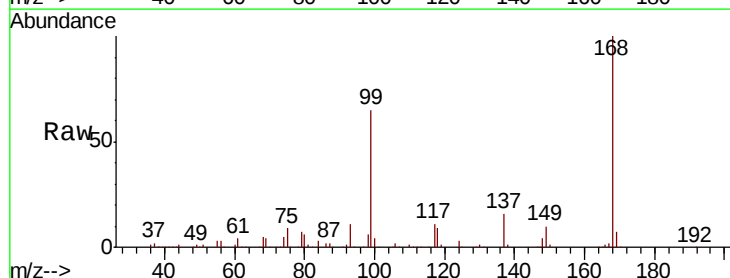
Instrument :
MSVOA_W
ClientSampleId :
M-9A

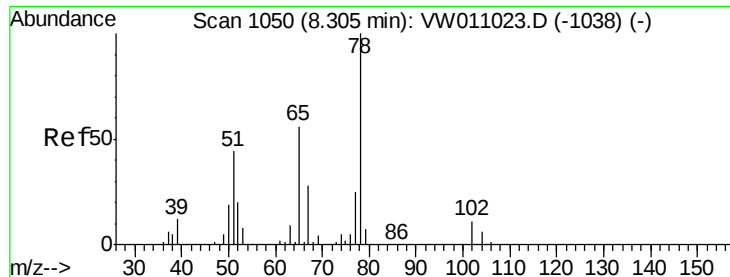
Tot Ion: 42 Resp: 709
Ion Ratio Lower Upper
42 100
72 21.7 27.4 41.0#
71 31.0 25.6 38.4



#31
Cyclohexane
Concen: 1.205 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW011046.D
Acq: 28 Jun 2019 05:33

Tgt Ion: 56 Resp: 6494
Ion Ratio Lower Upper
56 100
69 131.2 24.2 36.2#
84 105.1 60.6 90.8#





#33

1,2-Dichloroethane-d4

Concen: 49.638 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW011046.D

Acq: 28 Jun 2019 05:33

Instrument :

MSVOA_W

ClientSampleId :

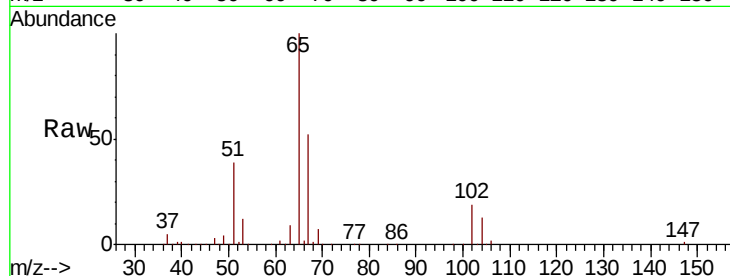
M-9A

Tot Ion: 65 Resp: 139872

Ion Ratio Lower Upper

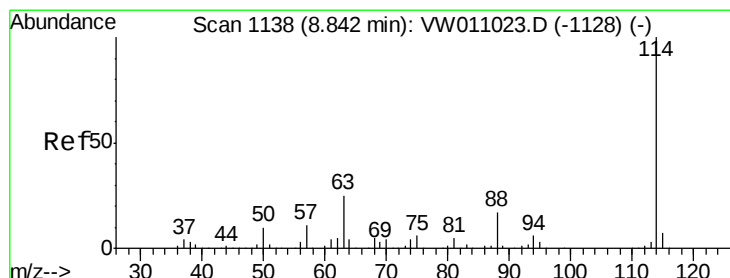
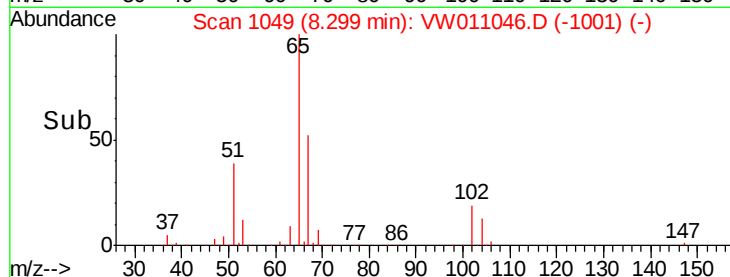
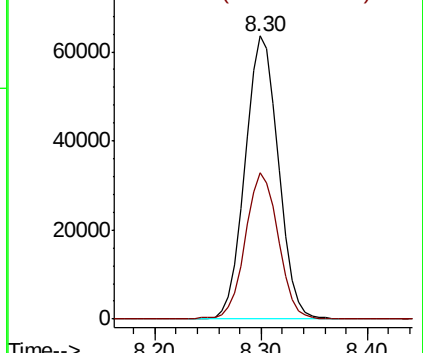
65 100

67 51.4 0.0 102.4



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: VW011046.D

Acq: 28 Jun 2019 05:33

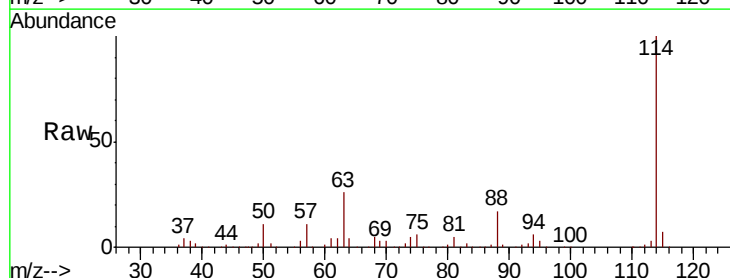
Tgt Ion: 114 Resp: 366761

Ion Ratio Lower Upper

114 100

63 25.6 0.0 50.6

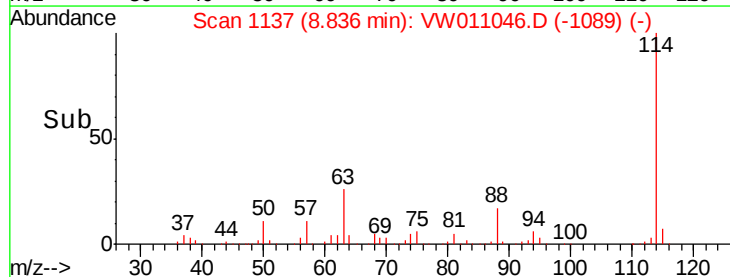
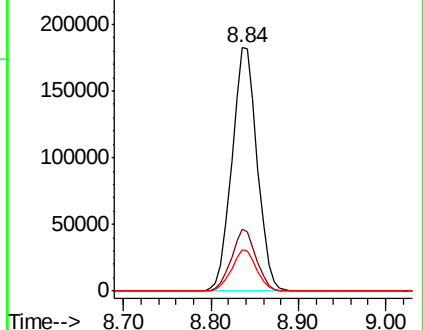
88 17.0 0.0 34.0

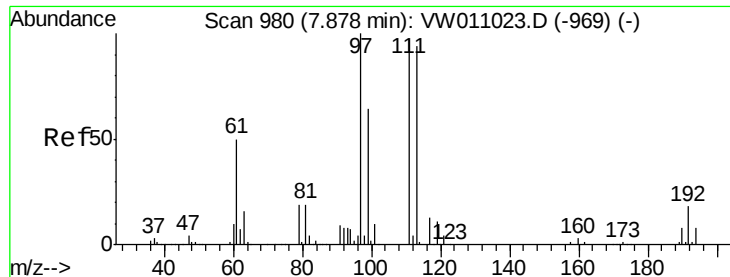


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

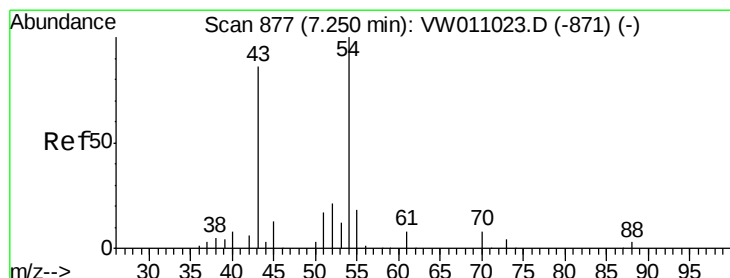
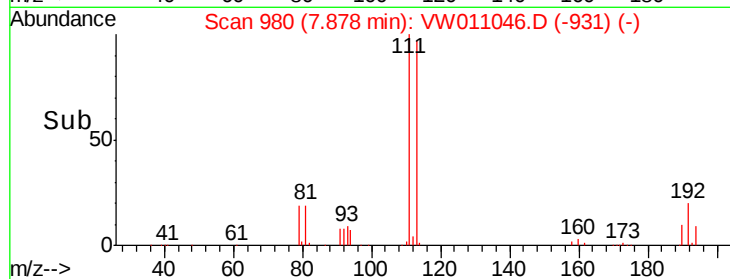
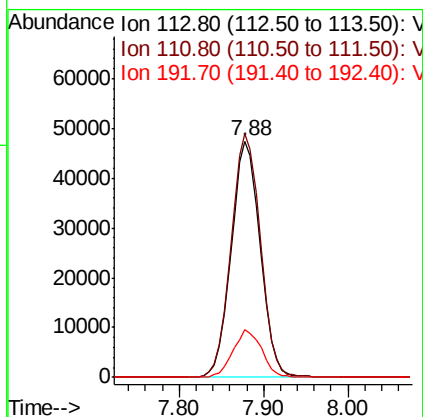
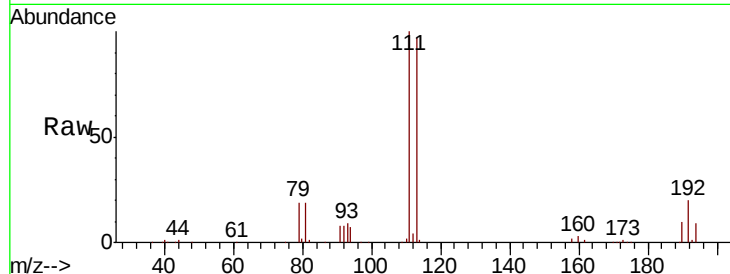




#35
 Dibromofluoromethane
 Concen: 49.032 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW011046.D
 Acq: 28 Jun 2019 05:33

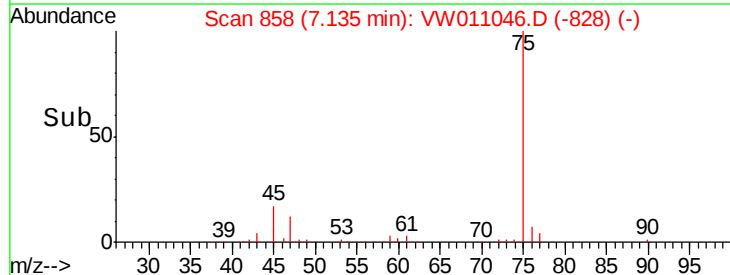
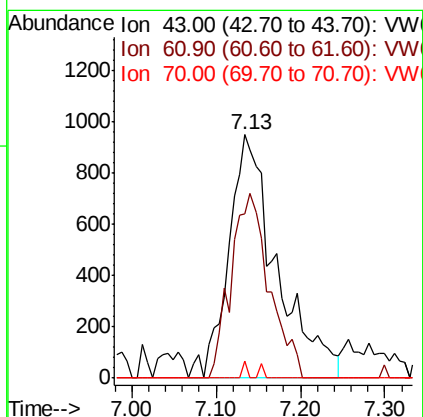
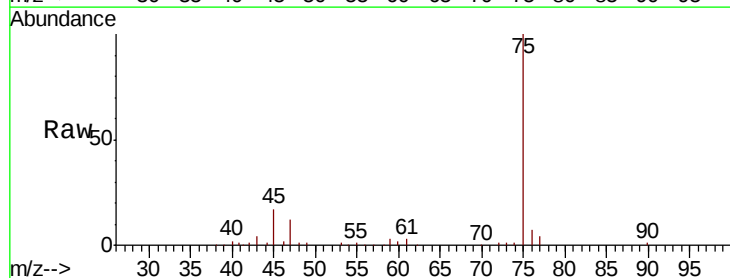
Instrument :
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 ClientSampleId :
 M-9A

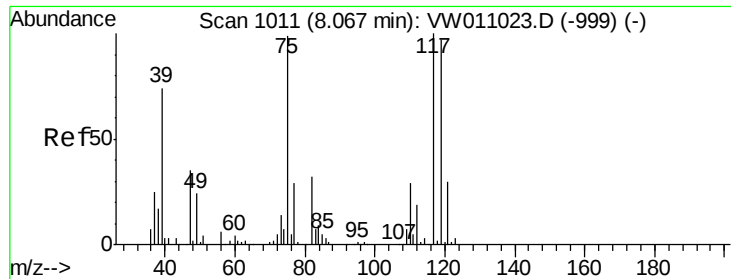
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.4	83.8	125.6
192	19.9	16.0	24.0



#37
 Ethyl Acetate
 Concen: 1.609 ug/l
 RT: 7.13 min Scan# 858
 Delta R.T. -0.12 min
 Lab File: VW011046.D
 Acq: 28 Jun 2019 05:33

Tgt Ion	Ratio	Lower	Upper
43	100		
61	60.2	9.0	13.4#
70	0.7	7.2	10.8#





#38

Carbon Tetrachloride

Concen: 6.867 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW011046.D

Acq: 28 Jun 2019 05:33

Instrument :

MSVOA_W

ClientSampled :

M-9A

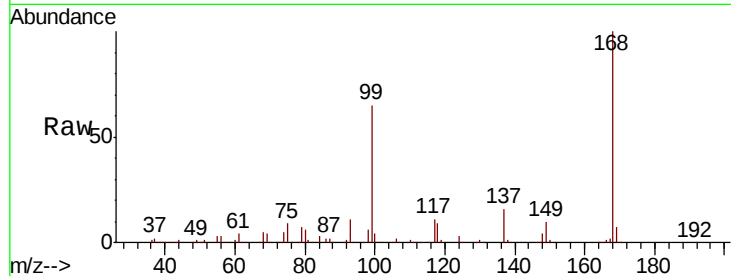
Tot Ion:117 Resp: 22292

Ion Ratio Lower Upper

117 100

119 5.8 77.7 116.5#

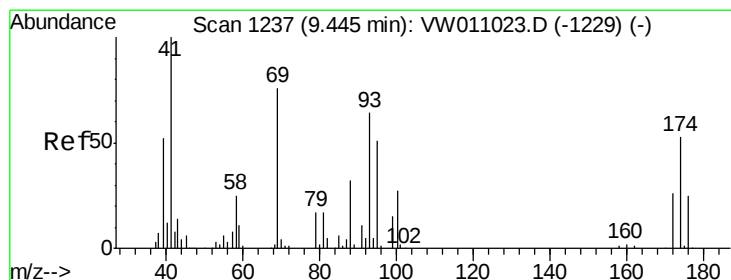
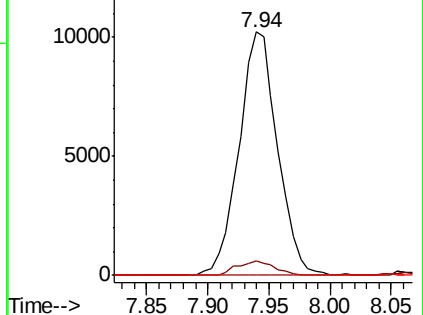
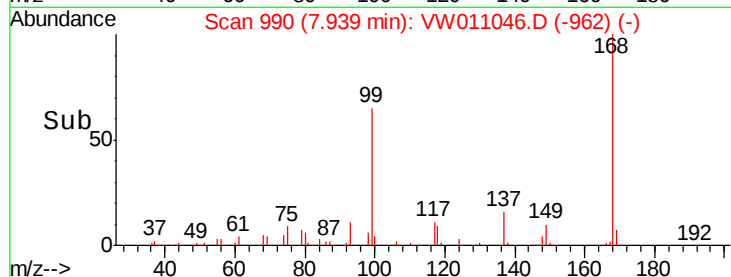
121 0.0 23.9 35.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 1.037 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.20 min

Lab File: VW011046.D

Acq: 28 Jun 2019 05:33

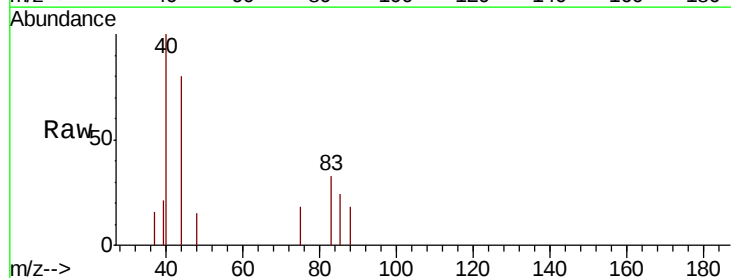
Tgt Ion: 88 Resp: 24

Ion Ratio Lower Upper

88 100

43 312.5 34.4 51.6#

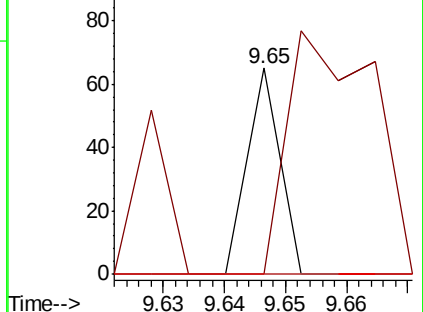
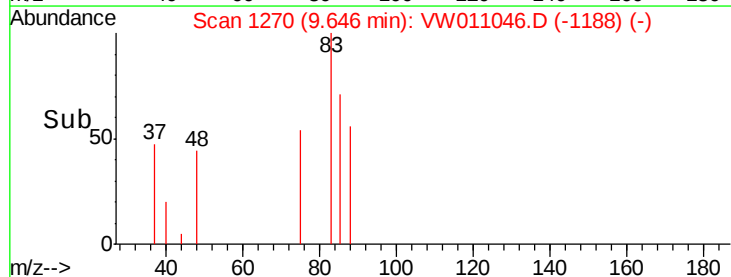
58 0.0 65.2 97.8#

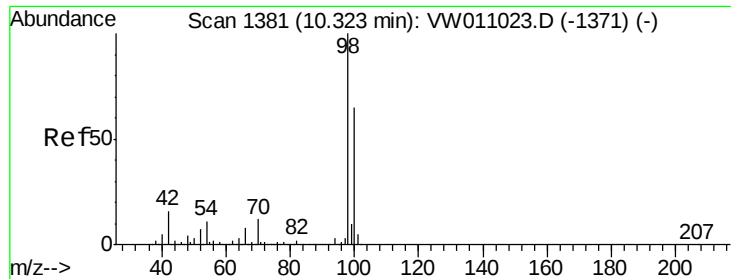


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

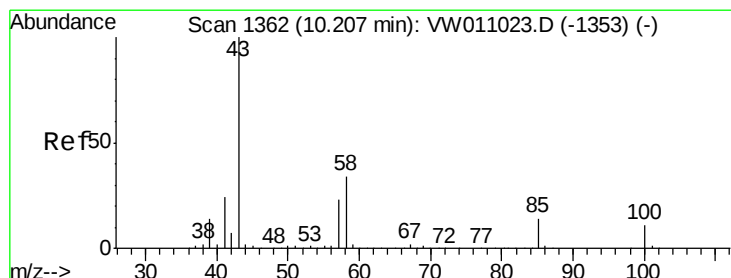
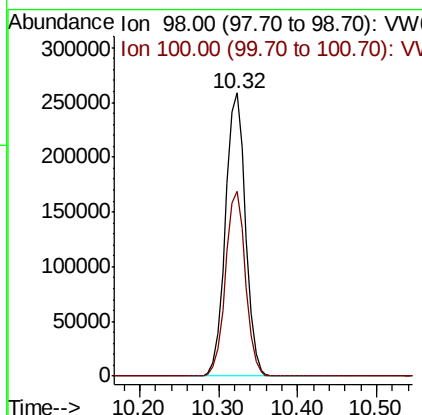
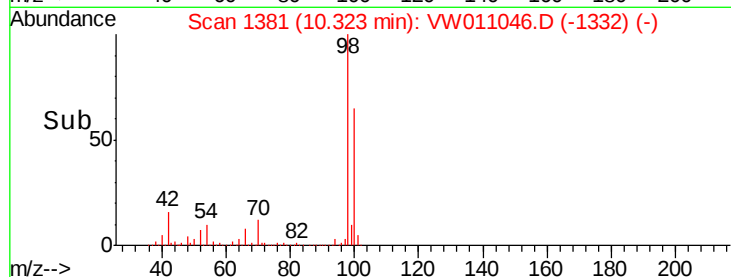
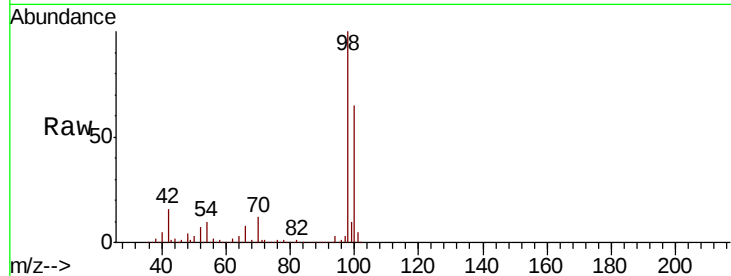




#50
Toluene-d8
Concen: 49.493 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011046.D
Acq: 28 Jun 2019 05:33

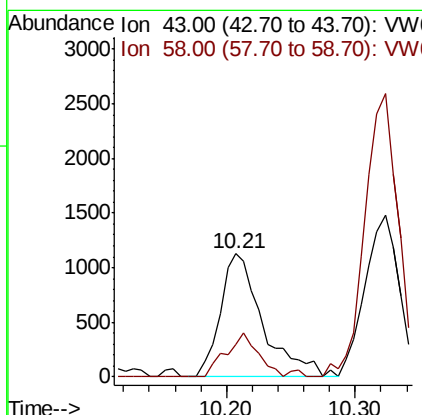
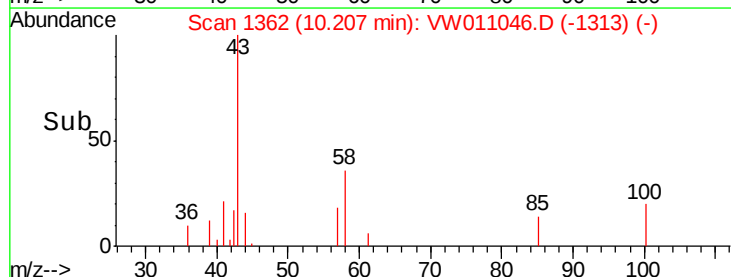
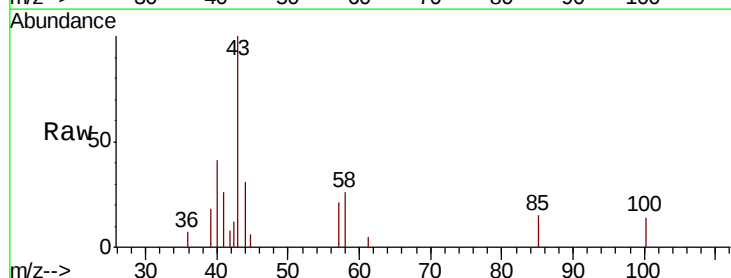
Instrument :
MSVOA_W
ClientSampleId :
M-9A

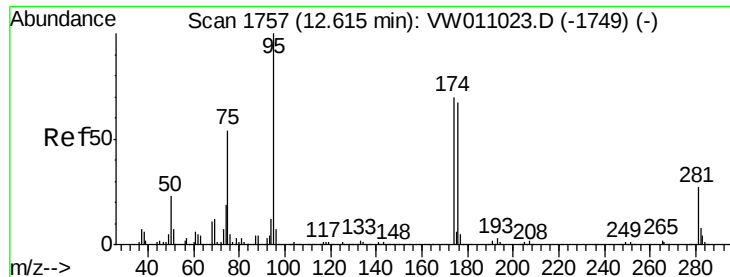
Tot Ion: 98 Resp: 456261
Ion Ratio Lower Upper
98 100
100 64.9 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 1.137 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW011046.D
Acq: 28 Jun 2019 05:33

Tgt Ion: 43 Resp: 2597
Ion Ratio Lower Upper
43 100
58 26.9 27.8 41.6#

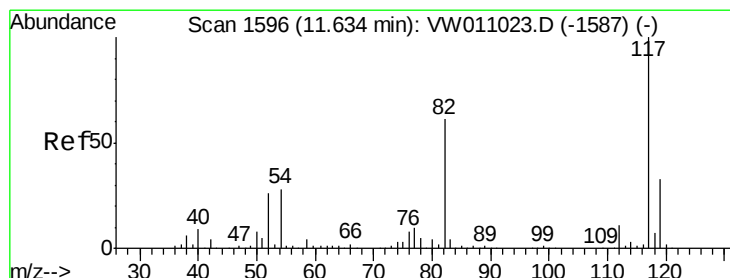
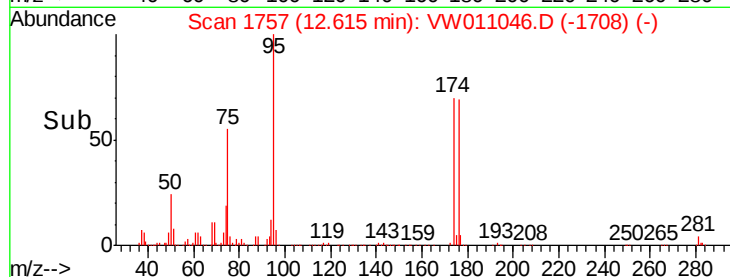
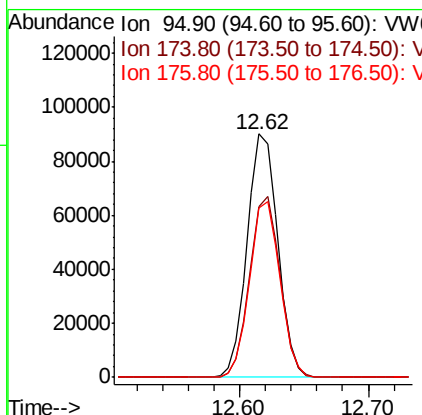
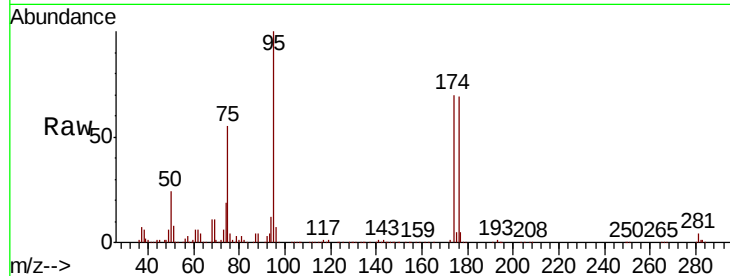




#62
4-Bromofluorobenzene
Concen: 43.858 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW011046.D
Acq: 28 Jun 2019 05:33

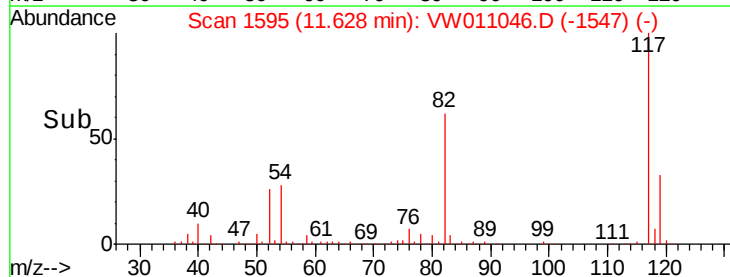
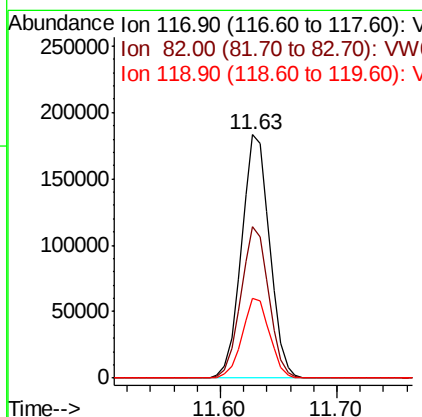
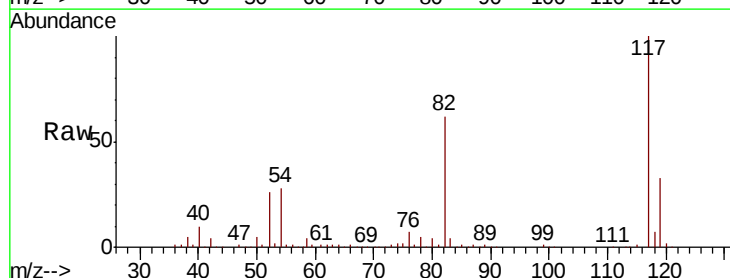
Instrument :
MSVOA_W
ClientSampleId :
M-9A

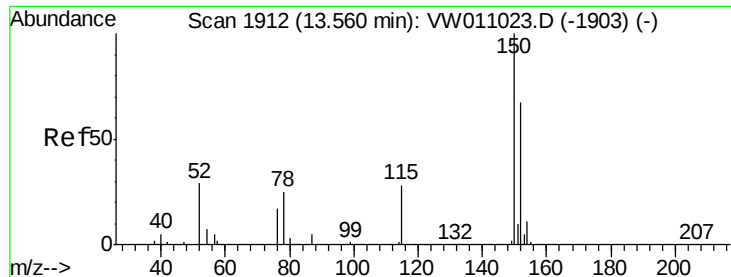
Tot Ion: 95 Resp: 147878
Ion Ratio Lower Upper
95 100
174 73.7 0.0 149.2
176 71.5 0.0 143.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW011046.D
Acq: 28 Jun 2019 05:33

Tgt Ion: 117 Resp: 309040
Ion Ratio Lower Upper
117 100
82 62.0 48.6 73.0
119 33.0 26.1 39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW011046.D

Acq: 28 Jun 2019 05:33

Instrument :

MSVOA_W

ClientSampleId :

M-9A

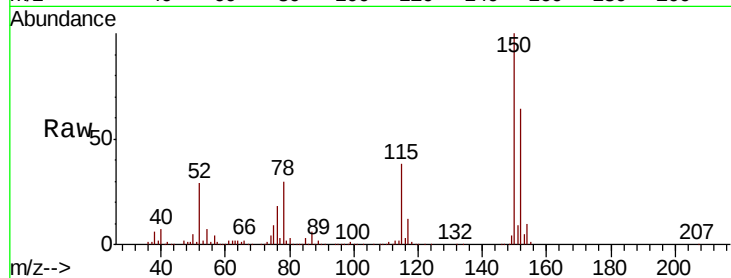
Tot Ion:152 Resp: 130436

Ion Ratio Lower Upper

152 100

115 59.9 30.7 92.1

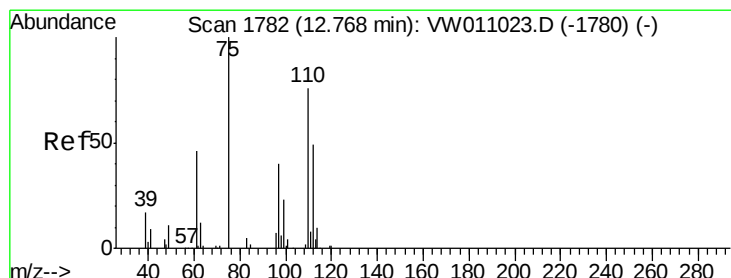
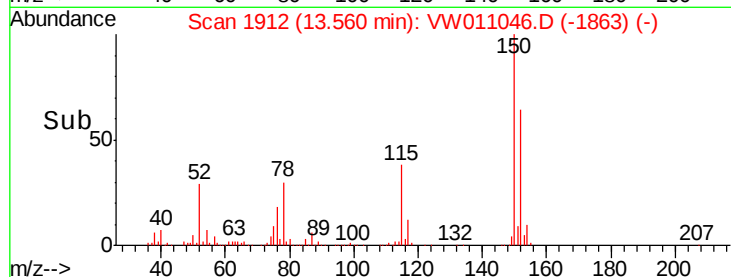
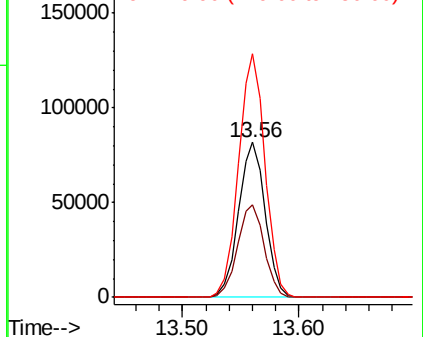
150 155.7 0.0 341.8



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: 59.185 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011046.D

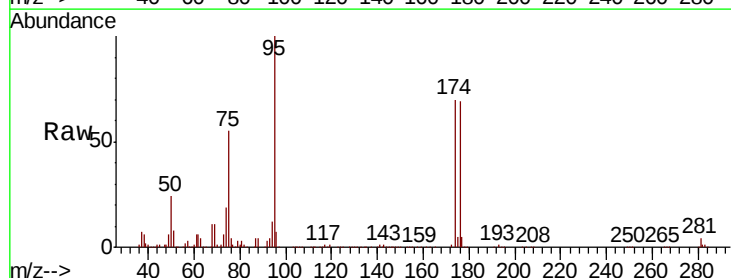
Acq: 28 Jun 2019 05:33

Tgt Ion: 75 Resp: 81501

Ion Ratio Lower Upper

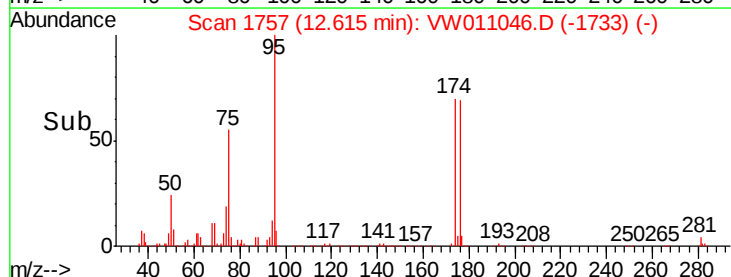
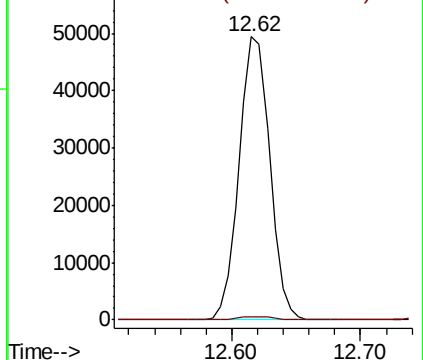
75 100

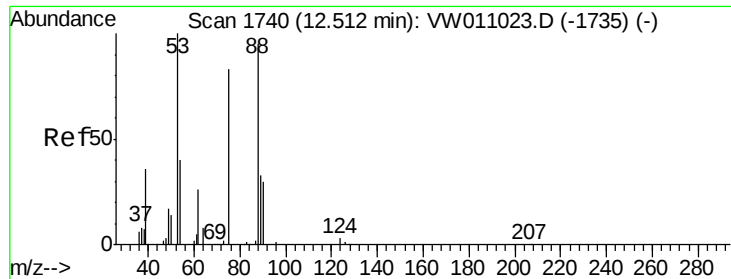
77 1.3 0.0 0.0#



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: 119.699 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011046.D

Acq: 28 Jun 2019 05:33

Instrument :

MSVOA_W

ClientSampleId :

M-9A

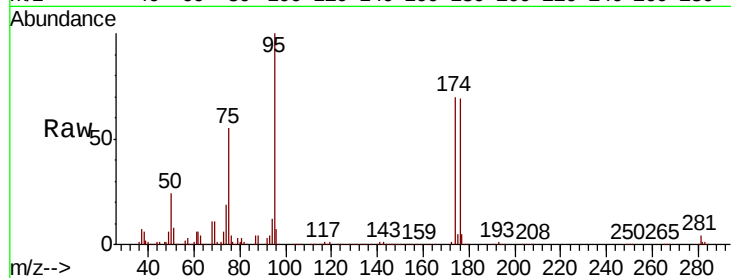
Tot Ion: 75 Resp: 81501

Ion Ratio Lower Upper

75 100

53 0.1 95.6 143.4#

89 0.0 34.4 51.6#



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

