

Data File : VW012787.D
Acq On : 08 Sep 2019 23:31
Operator : SY/VA
Sample : VW0908SBL02
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0908SBL02

Quant Time: Sep 09 06:04:00 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	195804	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	292807	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	243777	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	101705	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	106326	48.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.20%	
35) Dibromofluoromethane	7.88	113	86962	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	
50) Toluene-d8	10.32	98	347464	50.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.90%	
62) 4-Bromofluorobenzene	12.62	95	108795	43.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.88%	

Target Compounds

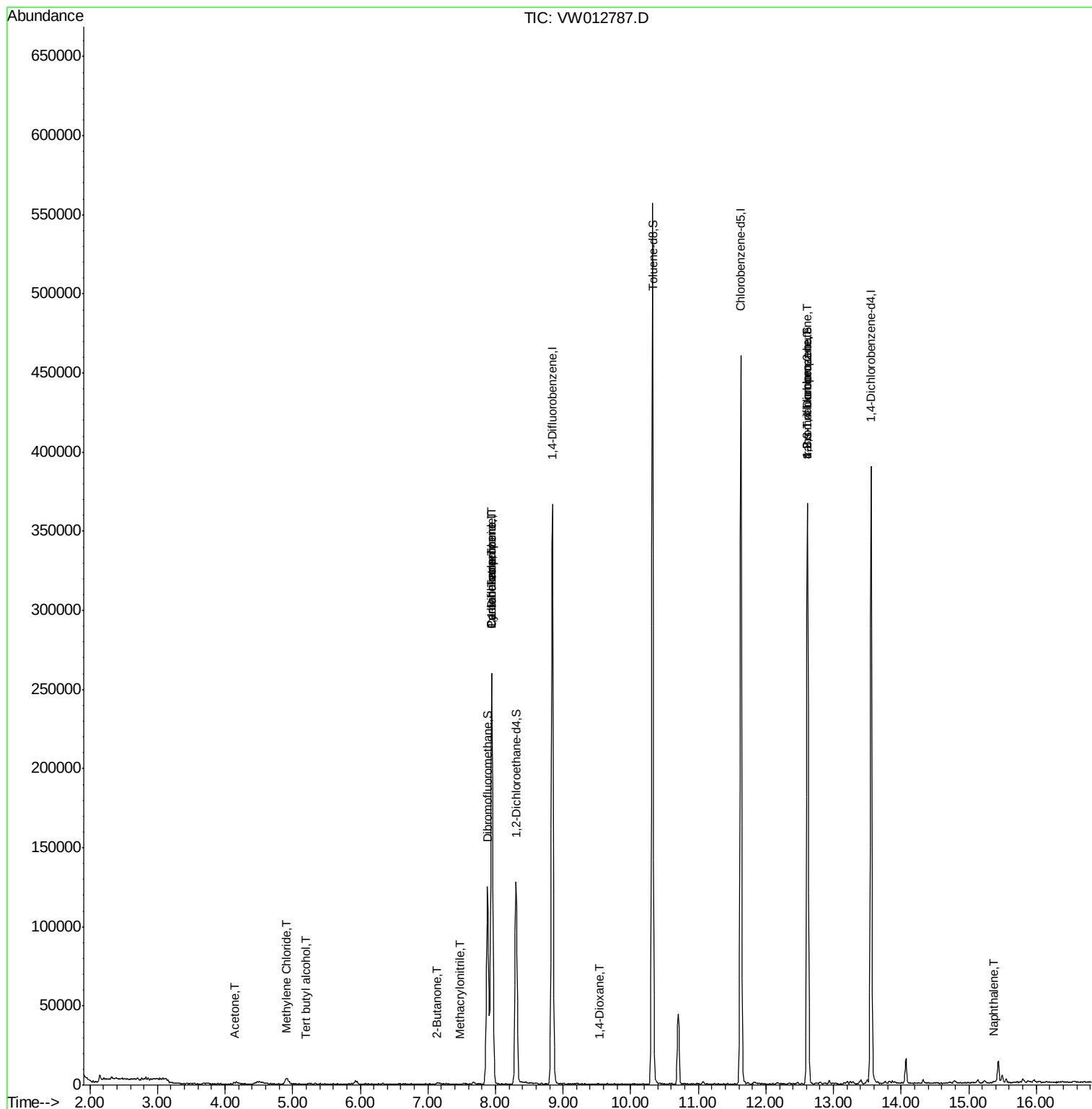
						Qvalue
11) Tert butyl alcohol	5.20	59	172	1.028	ug/l #	72
16) Acetone	4.14	43	915	1.534	ug/l	98
20) Methylene Chloride	4.91	84	2879	1.543	ug/l	90
25) 2-Butanone	7.14	43	287	19.981	ug/l #	53
31) Cyclohexane	7.95	56	4376	1.361	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	15519	5.965	ug/l #	54
38) Carbon Tetrachloride	7.95	117	19925	7.769	ug/l #	15
41) Methacrylonitrile	7.48	41	42	3.873	ug/l #	1
49) 1,4-Dioxane	9.54	88	26	1.388	ug/l #	19
76) 1,2,3-Trichloropropane	12.62	75	59932	57.628	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	59932	121.887	ug/l #	7
95) Naphthalene	15.37	128	1228	4.701	ug/l #	85

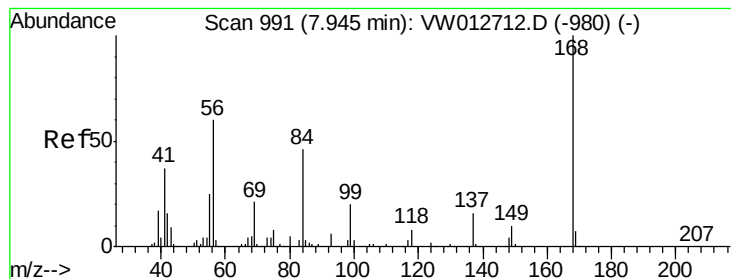
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012787.D

Acq: 08 Sep 2019 23:31

Instrument :

MSVOA_W

ClientSampleId :

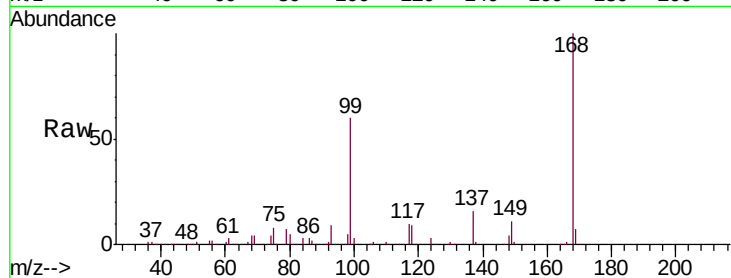
VW0908SBL02

Tgt Ion:168 Resp: 195804

Ion Ratio Lower Upper

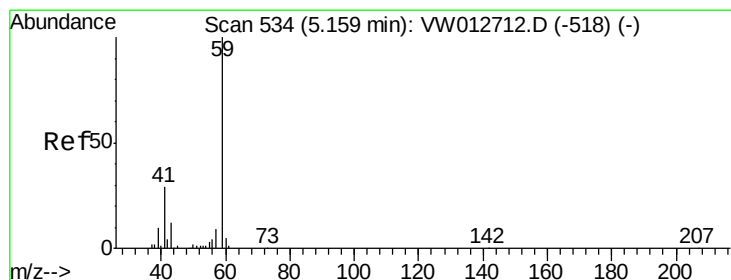
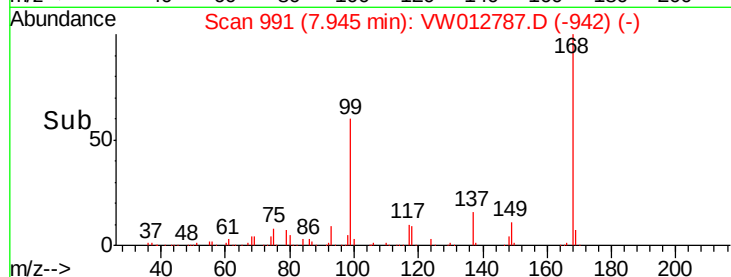
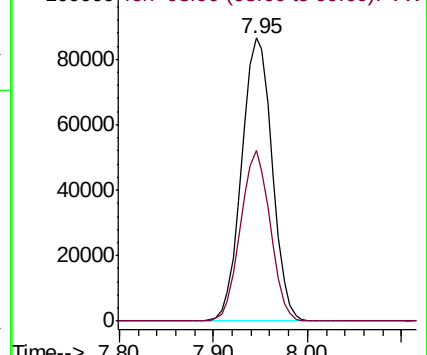
168 100

99 60.4 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: 1.028 ug/l

RT: 5.20 min Scan# 541

Delta R.T. 0.04 min

Lab File: VW012787.D

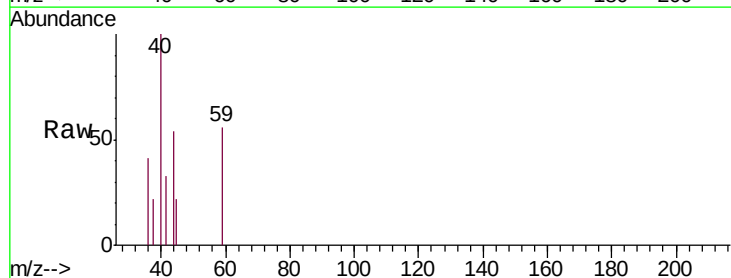
Acq: 08 Sep 2019 23:31

Tgt Ion: 59 Resp: 172

Ion Ratio Lower Upper

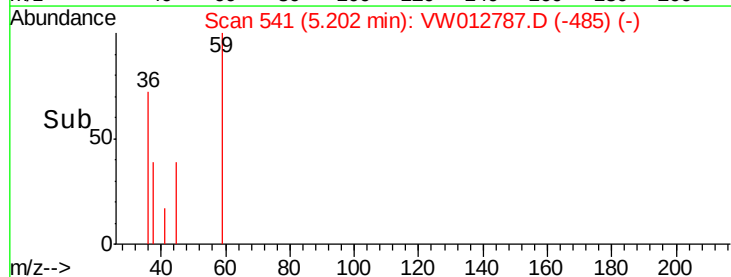
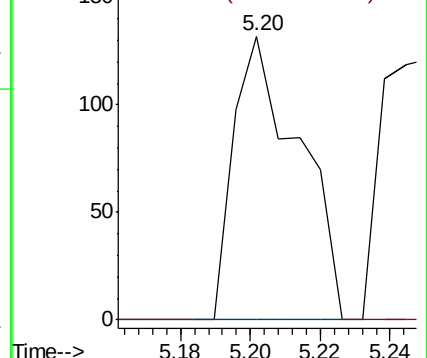
59 100

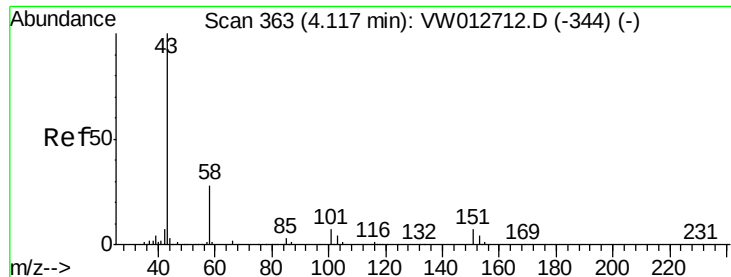
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 1.534 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW012787.D

Acq: 08 Sep 2019 23:31

Instrument :

MSVOA_W

ClientSampleId :

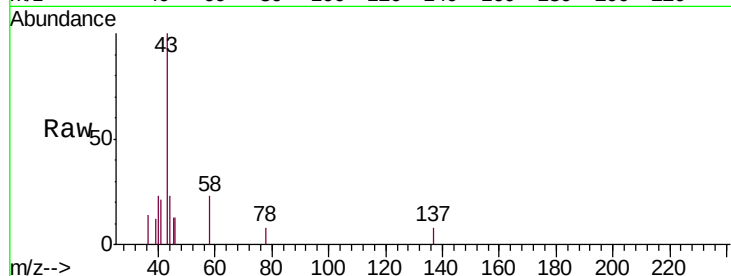
VW0908SBL02

Tgt Ion: 43 Resp: 915

Ion Ratio Lower Upper

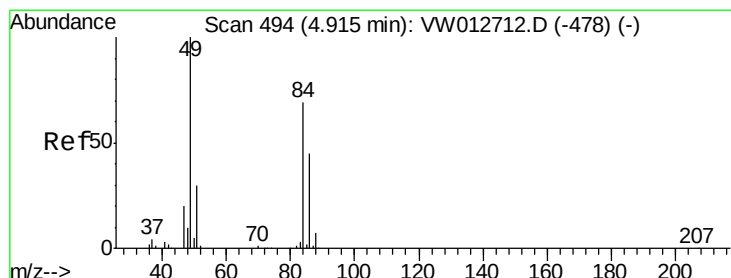
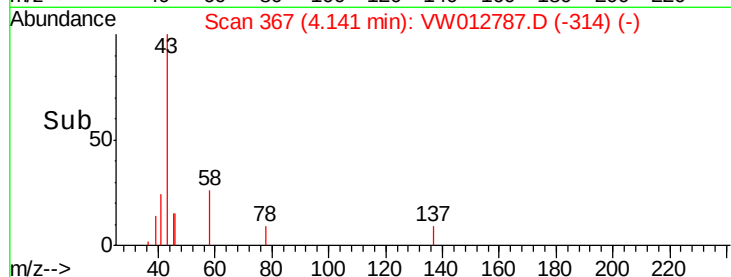
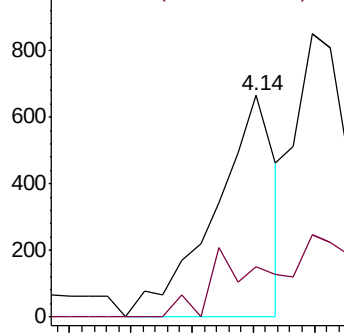
43 100

58 27.0 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 1.543 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW012787.D

Acq: 08 Sep 2019 23:31

Tgt Ion: 84 Resp: 2879

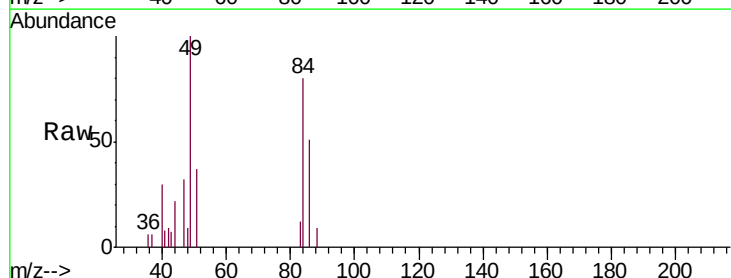
Ion Ratio Lower Upper

84 100

49 125.6 115.4 173.0

51 45.9 34.9 52.3

86 63.9 52.2 78.4

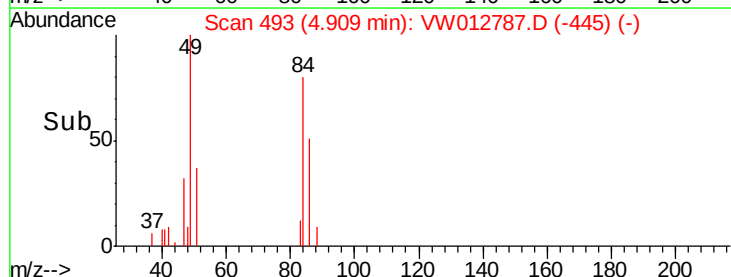
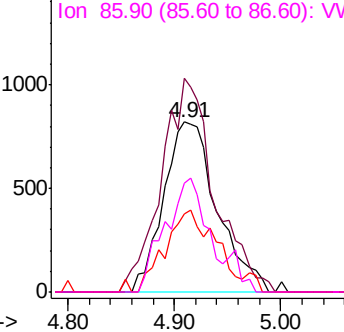


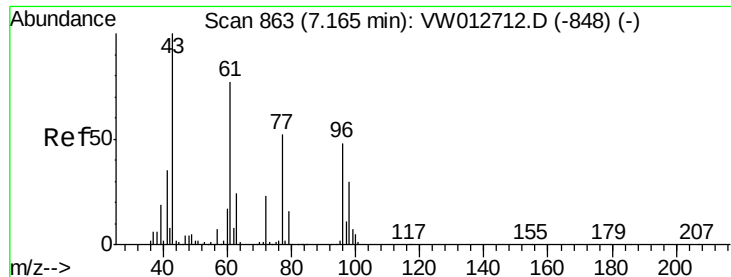
Abundance Ion 83.90 (83.60 to 84.60): VW

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: 19.981 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW012787.D

Acq: 08 Sep 2019 23:31

Instrument :

MSVOA_W

ClientSampleId :

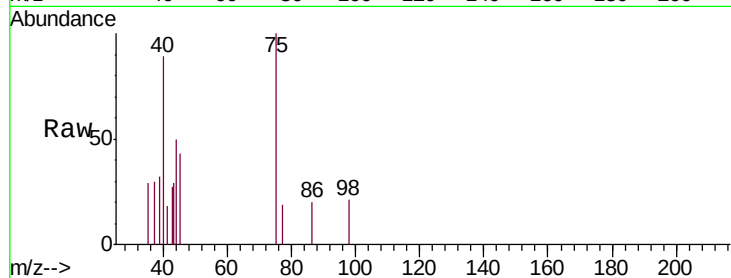
VW0908SBL02

Tgt Ion: 43 Resp: 287

Ion Ratio Lower Upper

43 100

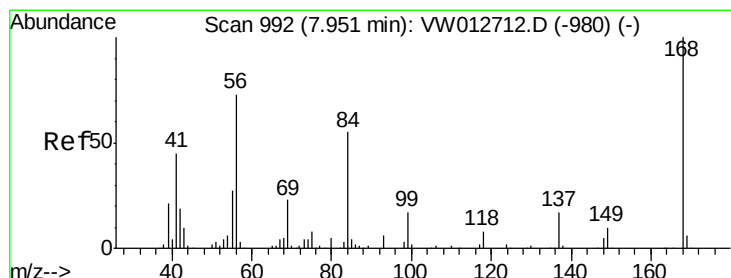
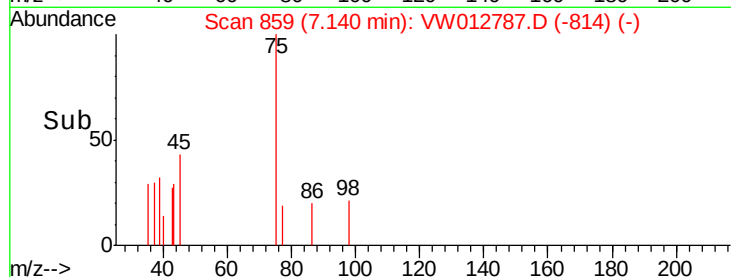
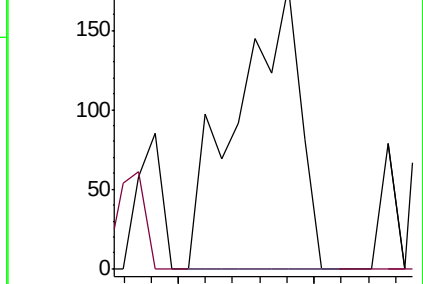
72 0.0 18.0 27.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.14



#31

Cyclohexane

Concen: 1.361 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012787.D

Acq: 08 Sep 2019 23:31

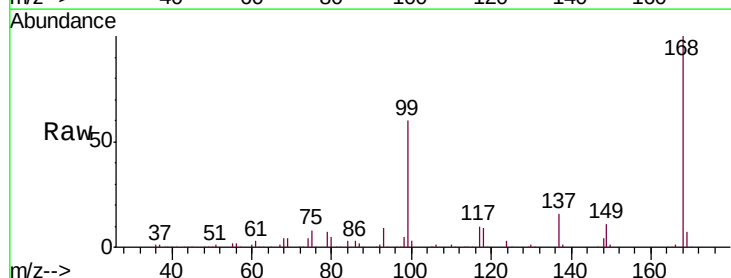
Tgt Ion: 56 Resp: 4376

Ion Ratio Lower Upper

56 100

69 173.0 25.7 38.5#

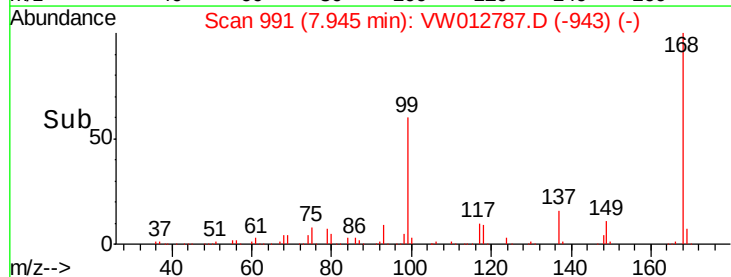
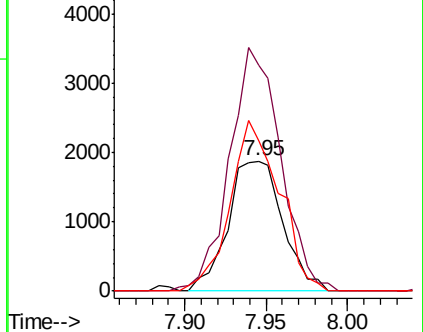
84 115.2 60.4 90.6#

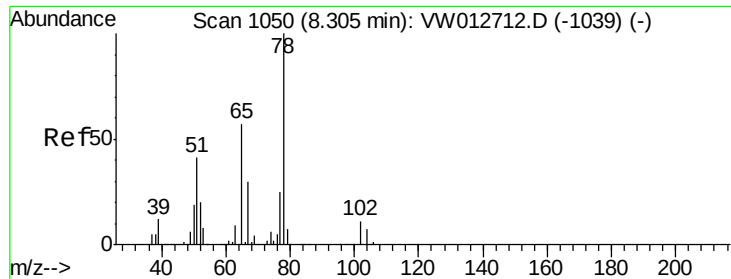


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

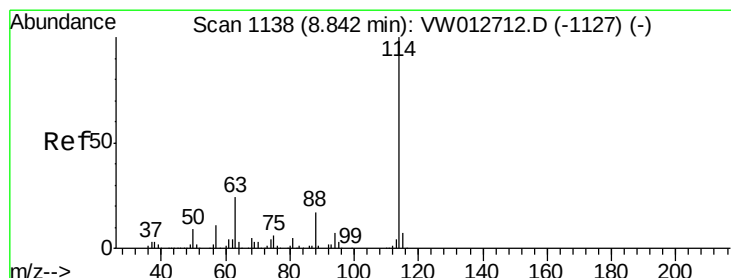
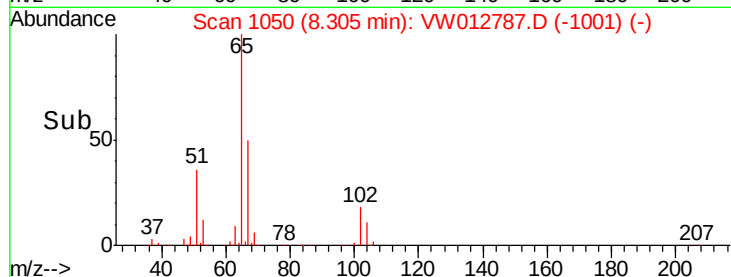
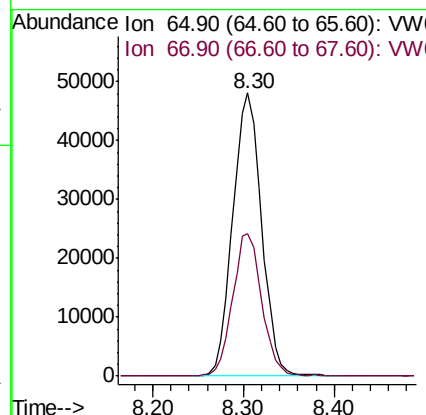
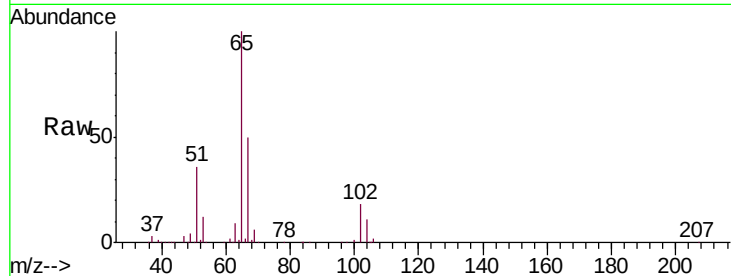




#33
 1,2-Dichloroethane-d4
 Concen: 48.600 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012787.D
 Acq: 08 Sep 2019 23:31

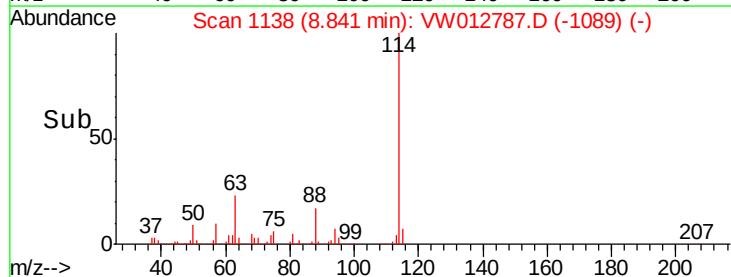
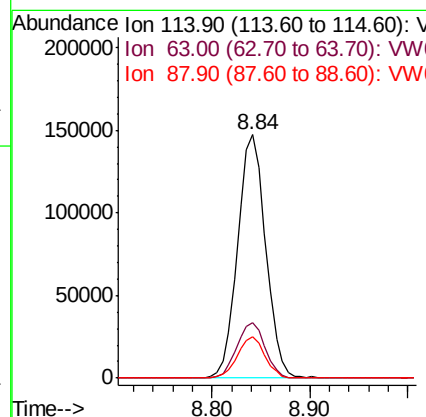
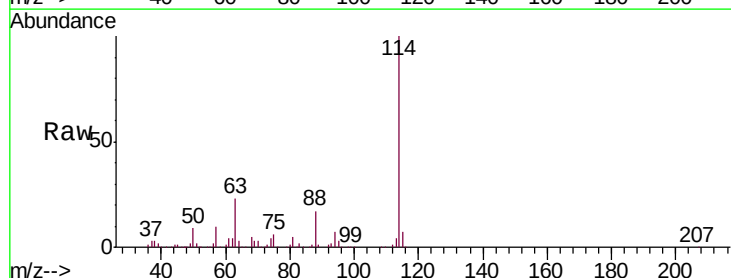
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0908SBL02

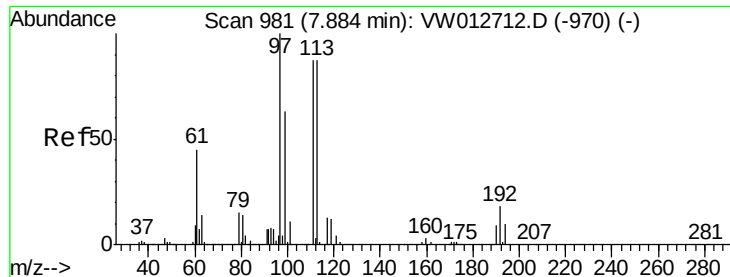
Tgt Ion: 65 Resp: 106326
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012787.D
 Acq: 08 Sep 2019 23:31

Tgt Ion: 114 Resp: 292807
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 47.2
 88 17.0 0.0 34.0

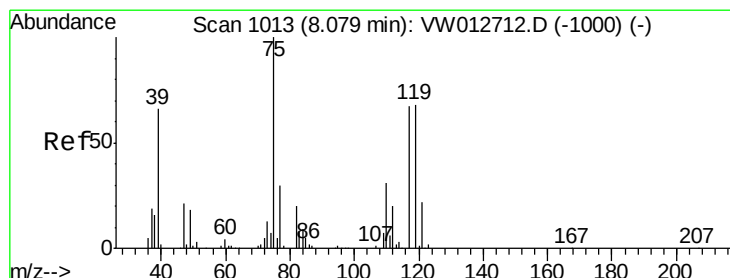
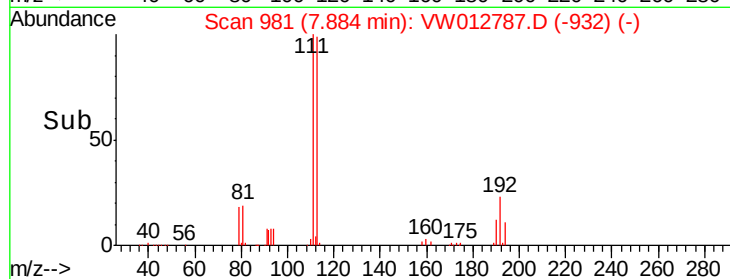
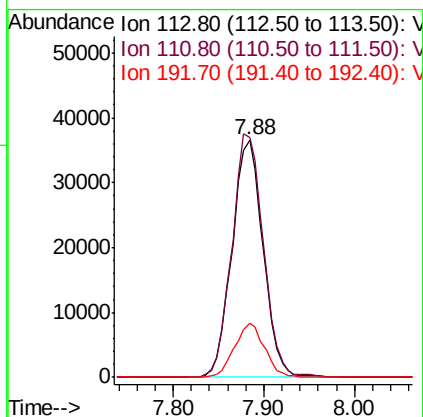
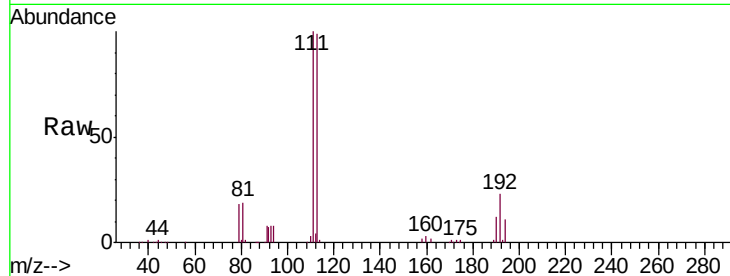




#35
 Dibromofluoromethane
 Concen: 49.955 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012787.D
 Acq: 08 Sep 2019 23:31

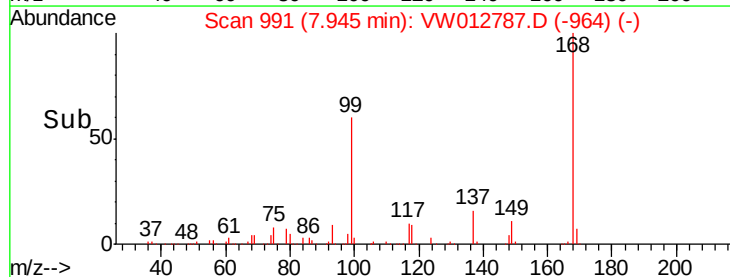
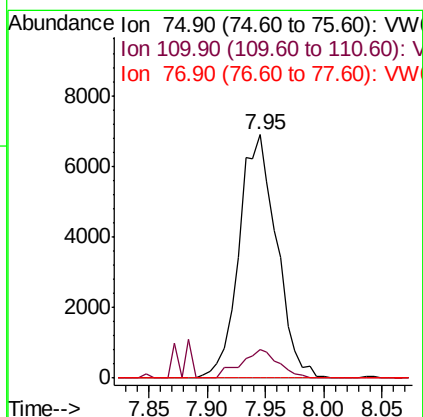
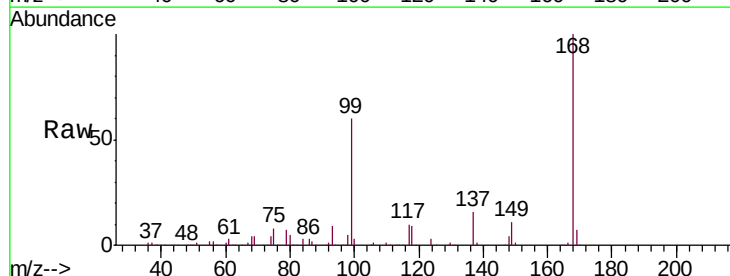
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0908SBL02

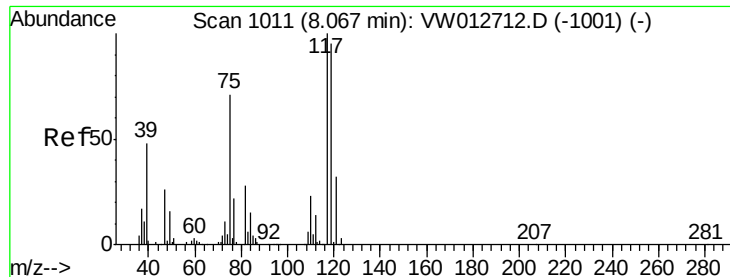
Tgt Ion: 113 Resp: 86962
 Ion Ratio Lower Upper
 113 100
 111 103.9 80.2 120.4
 192 21.9 17.3 25.9



#36
 1,1-Dichloropropene
 Concen: 5.965 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012787.D
 Acq: 08 Sep 2019 23:31

Tgt Ion: 75 Resp: 15519
 Ion Ratio Lower Upper
 75 100
 110 11.7 15.9 47.7#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 7.769 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012787.D

Acq: 08 Sep 2019 23:31

Instrument :

MSVOA_W

ClientSampleId :

VW0908SBL02

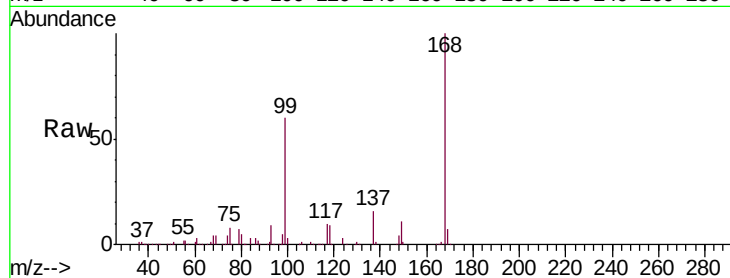
Tgt Ion: 117 Resp: 19925

Ion Ratio Lower Upper

117 100

119 3.4 76.2 114.2#

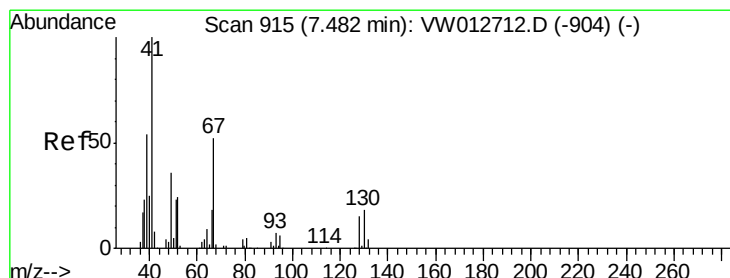
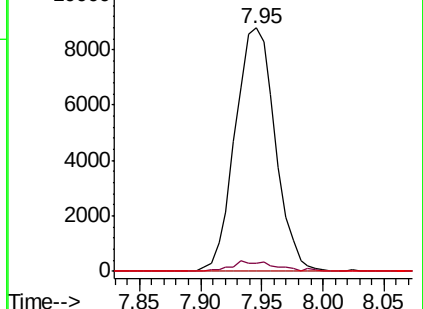
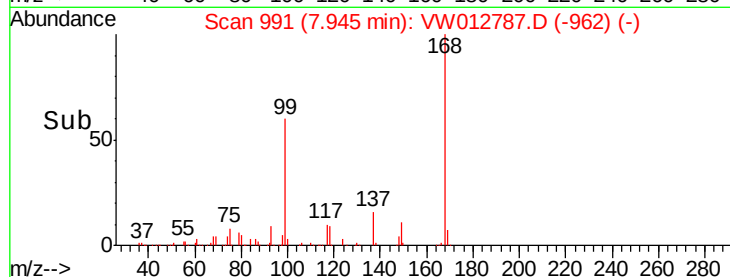
121 0.0 25.4 38.2#



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



#41

Methacrylonitrile

Concen: 3.873 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW012787.D

Acq: 08 Sep 2019 23:31

Tgt Ion: 41 Resp: 42

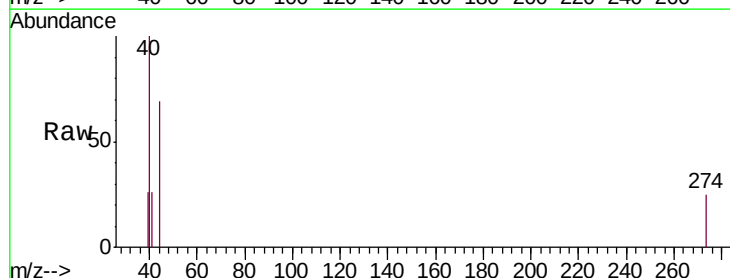
Ion Ratio Lower Upper

41 100

39 173.8 47.5 71.3#

67 0.0 45.1 67.7#

52 0.0 20.2 30.2#

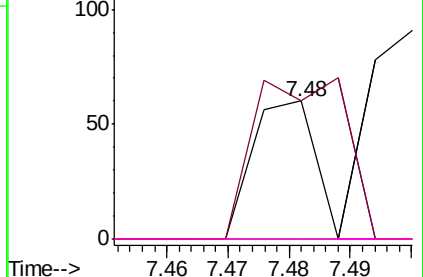
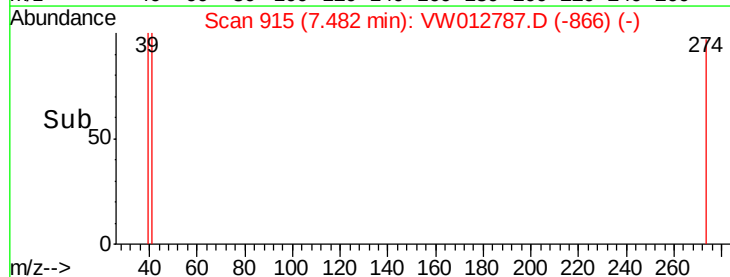


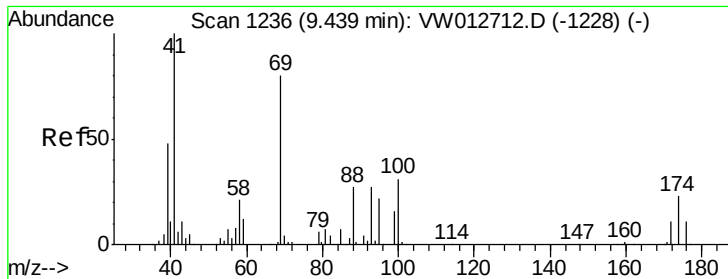
Abundance Ion 41.00 (40.70 to 41.70): VW

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





#49

1,4-Dioxane

Concen: 1.388 ug/l

RT: 9.54 min Scan# 1253

Delta R.T. 0.10 min

Lab File: VW012787.D

Acq: 08 Sep 2019 23:31

Instrument :

MSVOA_W

ClientSampleId :

VW0908SBL02

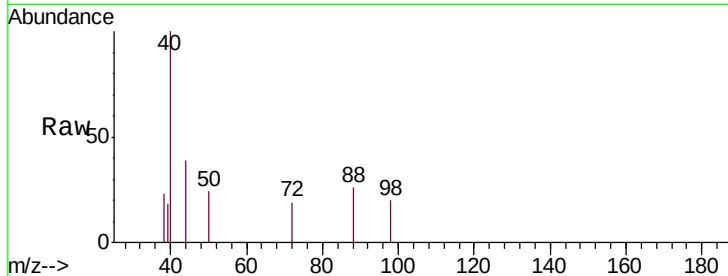
Tgt Ion: 88 Resp: 26

Ion Ratio Lower Upper

88 100

43 84.6 34.8 52.2#

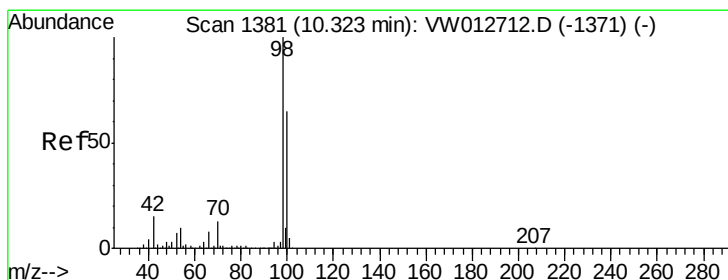
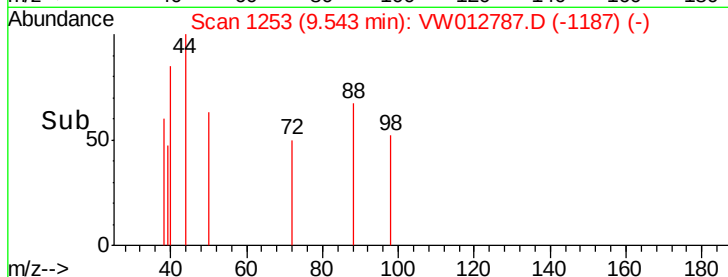
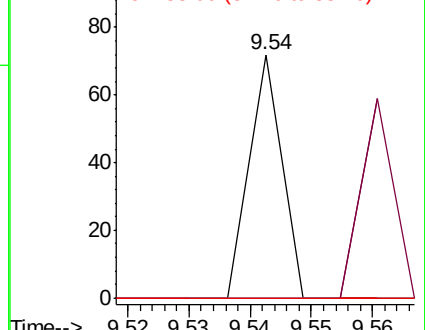
58 0.0 64.1 96.1#



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: 50.947 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012787.D

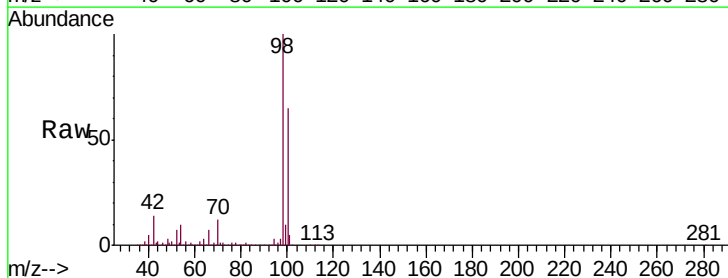
Acq: 08 Sep 2019 23:31

Tgt Ion: 98 Resp: 347464

Ion Ratio Lower Upper

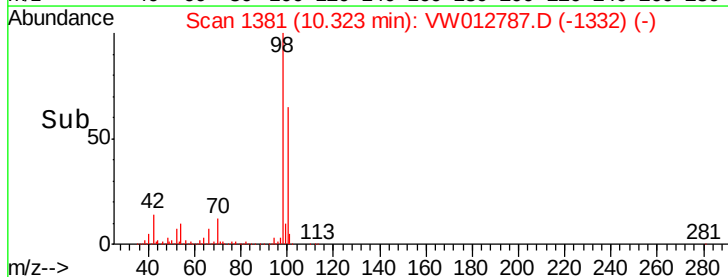
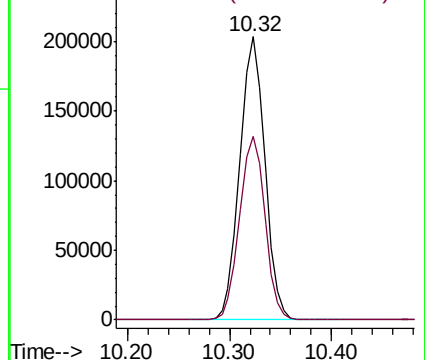
98 100

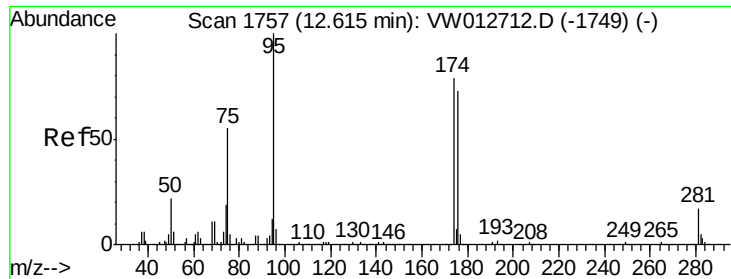
100 65.5 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

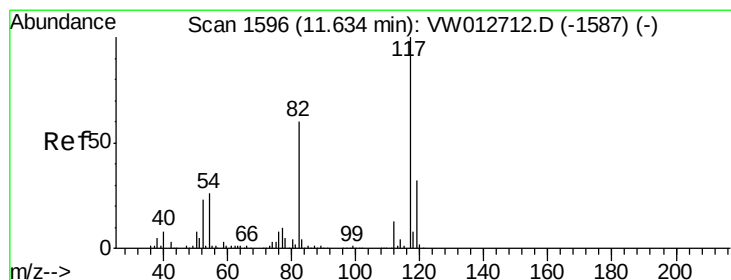
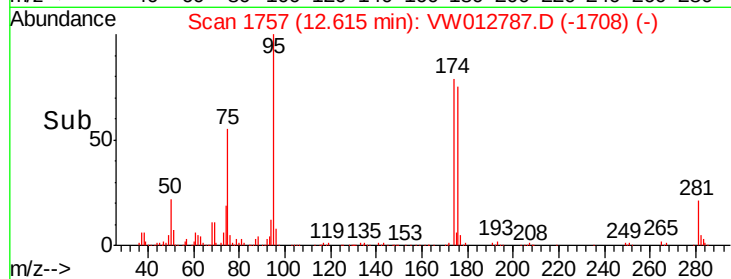
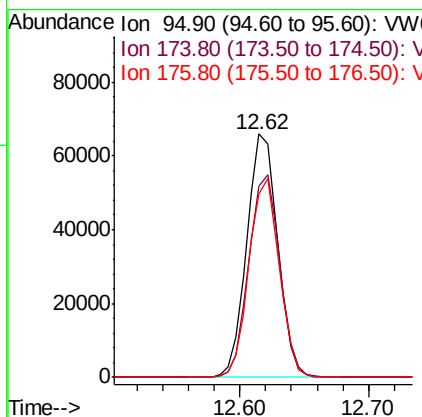
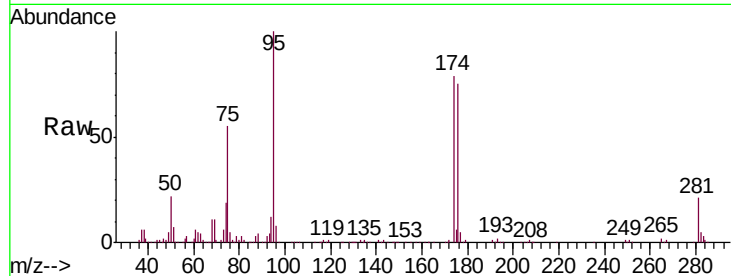




#62
4-Bromofluorobenzene
Concen: 43.941 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012787.D
Acq: 08 Sep 2019 23:31

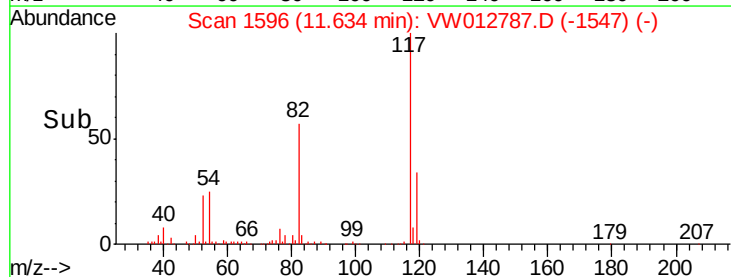
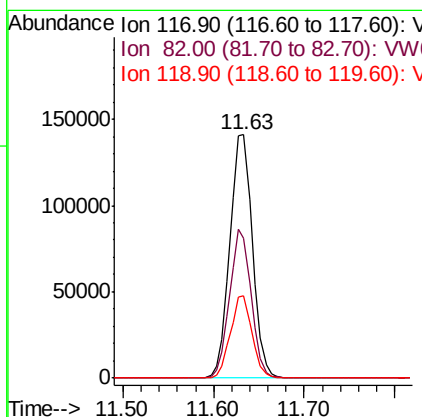
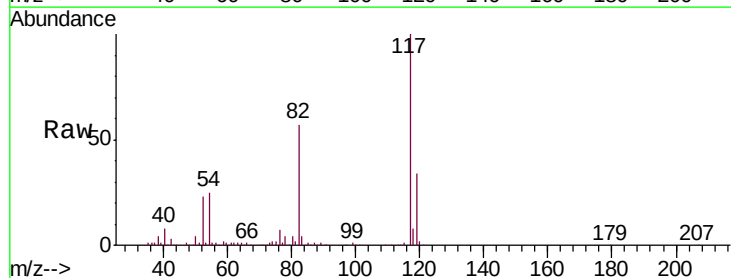
Instrument :
MSVOA_W
ClientSampleId :
VW0908SBL02

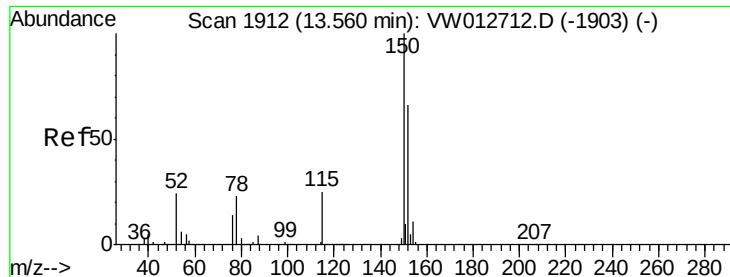
Tgt Ion: 95 Resp: 108795
Ion Ratio Lower Upper
95 100
174 83.6 0.0 161.0
176 80.3 0.0 156.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012787.D
Acq: 08 Sep 2019 23:31

Tgt Ion: 117 Resp: 243777
Ion Ratio Lower Upper
117 100
82 57.4 48.2 72.4
119 33.7 25.8 38.6



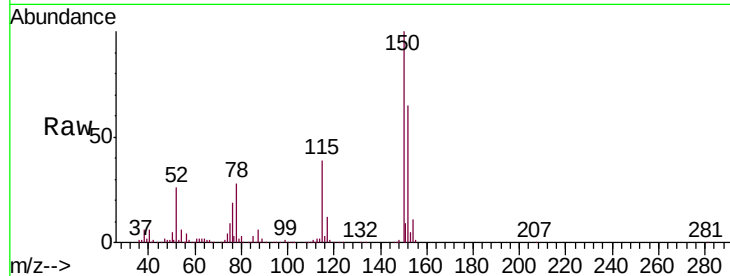


#72

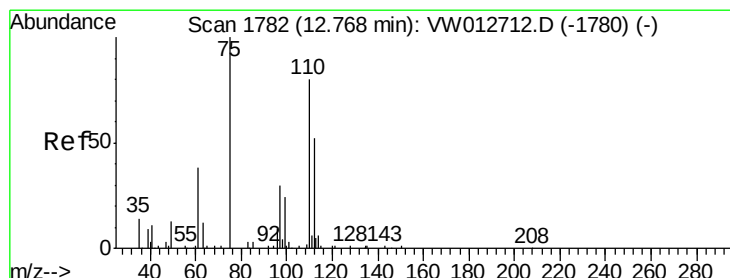
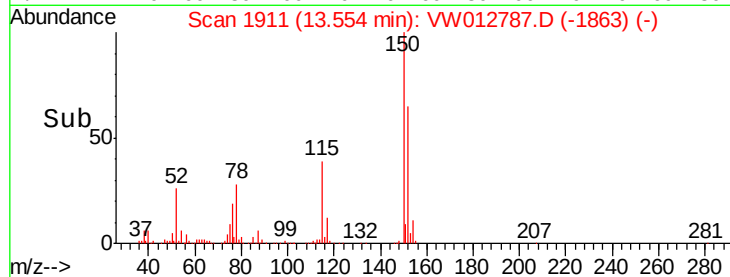
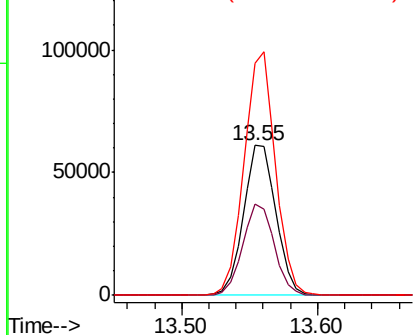
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW012787.D
Acq: 08 Sep 2019 23:31

Instrument :
MSVOA_W
ClientSampleId :
VW0908SBL02

Tgt Ion:152 Resp: 101705
Ion Ratio Lower Upper
152 100
115 59.2 30.0 90.1
150 156.9 0.0 349.0



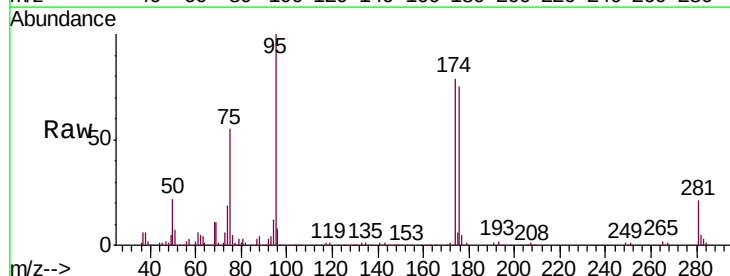
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



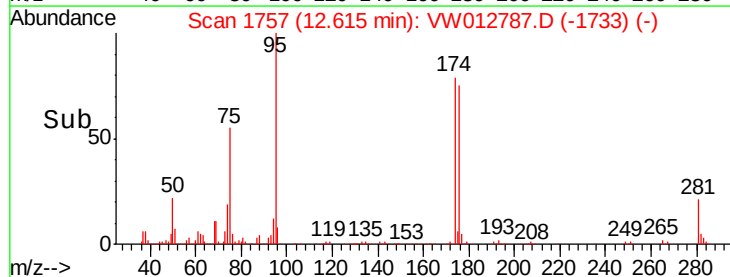
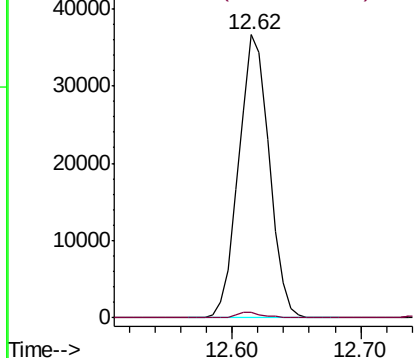
#76

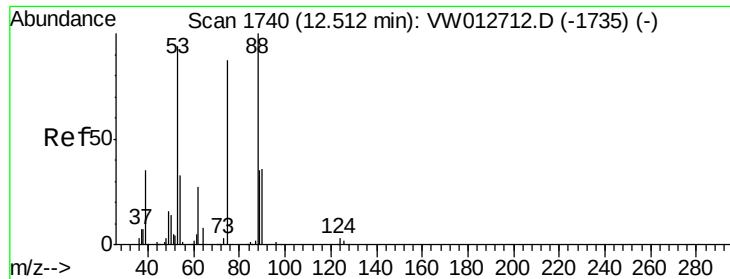
1,2,3-Trichloropropane
Concen: 57.628 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW012787.D
Acq: 08 Sep 2019 23:31

Tgt Ion: 75 Resp: 59932
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW

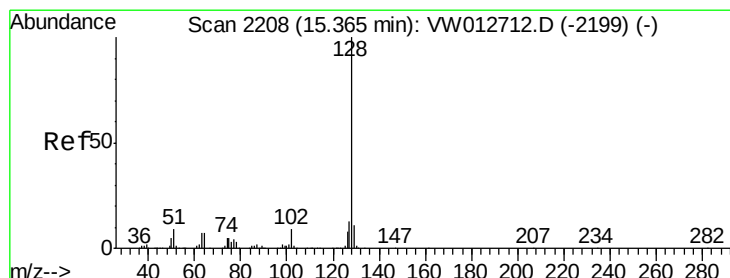
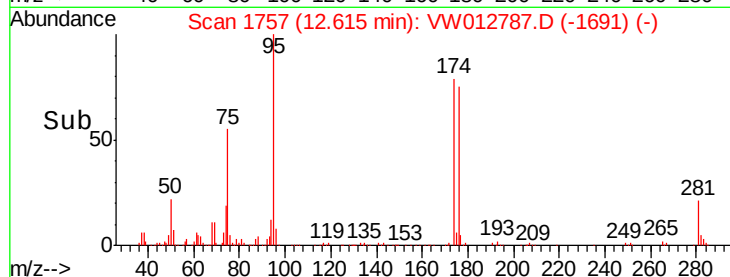
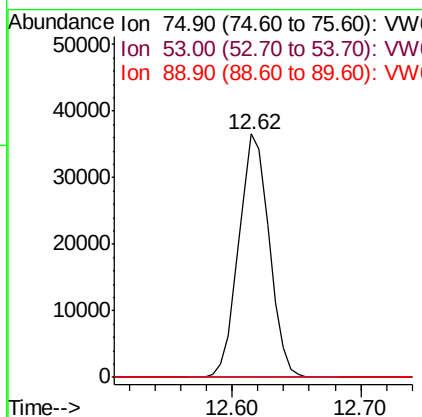
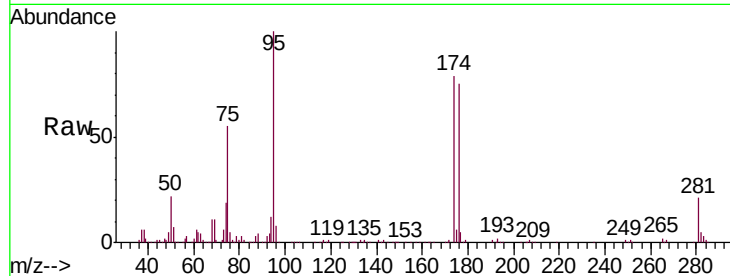




#81
trans-1,4-Dichloro-2-butene
Concen: 121.887 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012787.D
Acq: 08 Sep 2019 23:31

Instrument :
MSVOA_W
ClientSampleId :
VW0908SBL02

Tgt Ion: 75 Resp: 59932
Ion Ratio Lower Upper
75 100
53 0.2 87.6 131.4#
89 0.2 35.5 53.3#



#95
Naphthalene
Concen: 4.701 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW012787.D
Acq: 08 Sep 2019 23:31

Tgt Ion: 128 Resp: 1228
Ion Ratio Lower Upper
128 100
127 3.8 10.7 16.1#
129 9.0 8.7 13.1

