

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091019\
 Data File : VW012873.D
 Acq On : 10 Sep 2019 16:24
 Operator : SY/VA
 Sample : K4692-03
 Misc : 5.08G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-31-10.5-11.0

Quant Time: Sep 10 17:50:01 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	196083	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	288250	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	217380	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	69931	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	104168	47.55	ug/l	0.00
Spiked Amount			Recovery	=	95.10%	
35) Dibromofluoromethane	7.88	113	86162	50.28	ug/l	0.00
Spiked Amount			Recovery	=	100.56%	
50) Toluene-d8	10.32	98	333881	49.73	ug/l	0.00
Spiked Amount			Recovery	=	99.46%	
62) 4-Bromofluorobenzene	12.62	95	85534	35.09	ug/l	0.00
Spiked Amount			Recovery	=	70.18%	

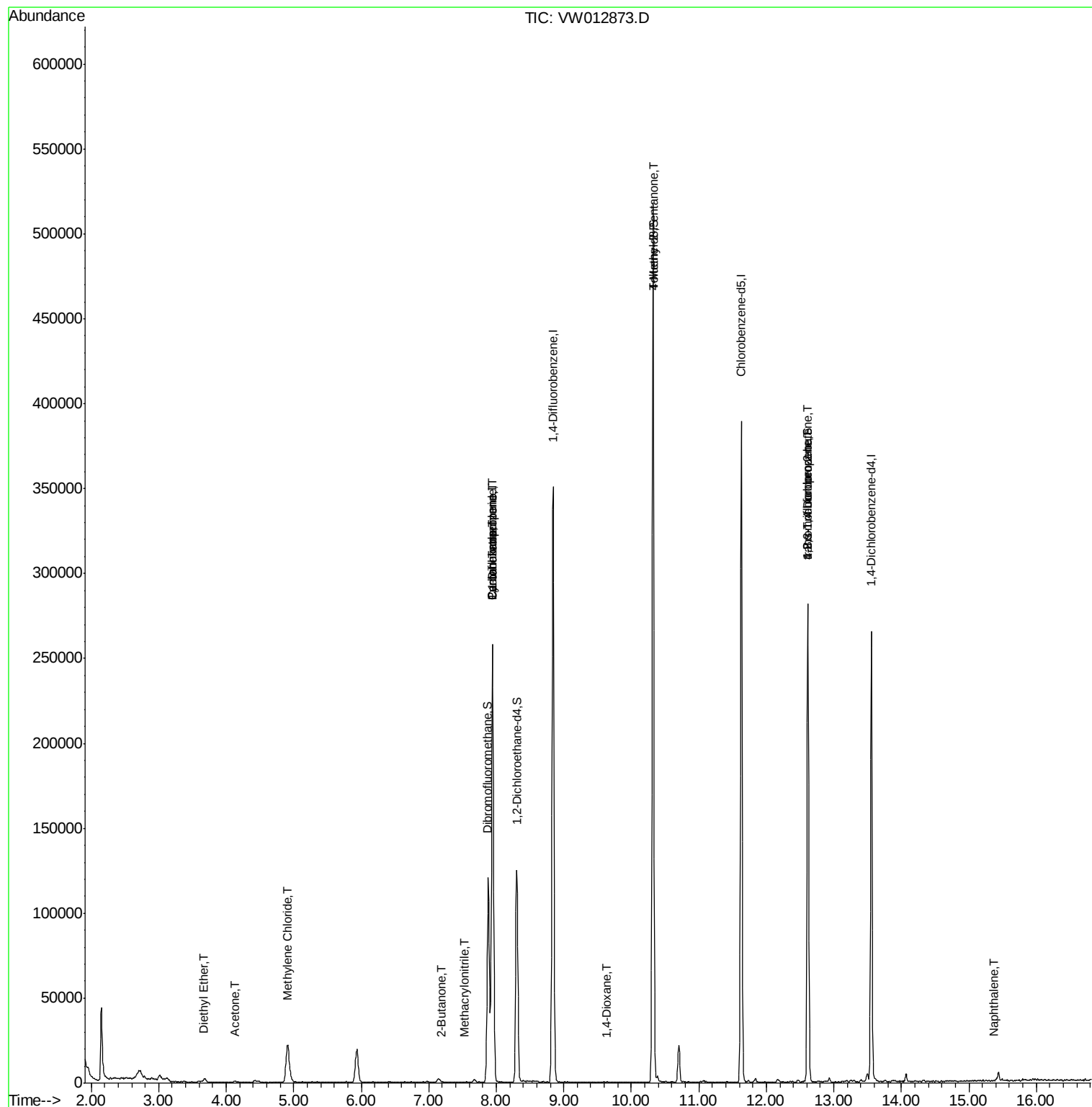
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	1002	1.091	ug/l	66
16) Acetone	4.13	43	1290	2.160	ug/l #	69
20) Methylene Chloride	4.92	84	17708	9.477	ug/l	90
25) 2-Butanone	7.18	43	25	19.706	ug/l #	53
31) Cyclohexane	7.95	56	4117	1.278	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	14109	5.509	ug/l #	52
38) Carbon Tetrachloride	7.95	117	19074	7.555	ug/l #	16
41) Methacrylonitrile	7.52	41	24	3.859	ug/l #	1
49) 1,4-Dioxane	9.63	88	24	1.302	ug/l #	17
51) 4-Methyl-2-Pentanone	10.32	43	1771	1.091	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	45271	63.309	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	45271	133.904	ug/l #	6
95) Naphthalene	15.37	128	258	4.519	ug/l #	69

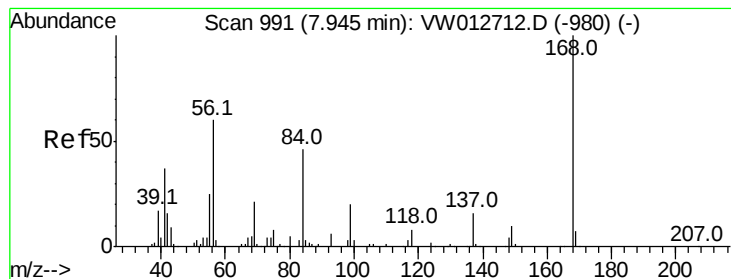
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012873.D

Acq: 10 Sep 2019 16:24

Instrument :

MSVOA_W

ClientSampleId :

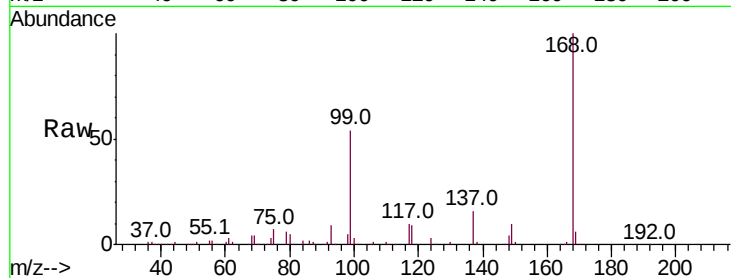
SB-31-10.5-11.0

Tot Ion:168 Resp: 196083

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

7.95

100000

80000

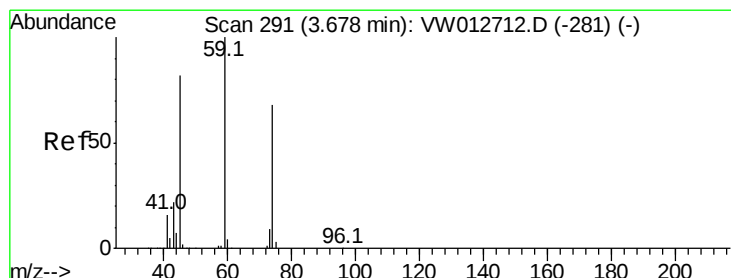
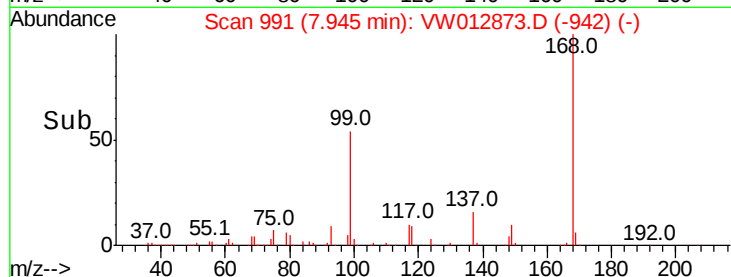
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#8

Diethyl Ether

Concen: 1.091 ug/l

RT: 3.67 min Scan# 289

Delta R.T. -0.01 min

Lab File: VW012873.D

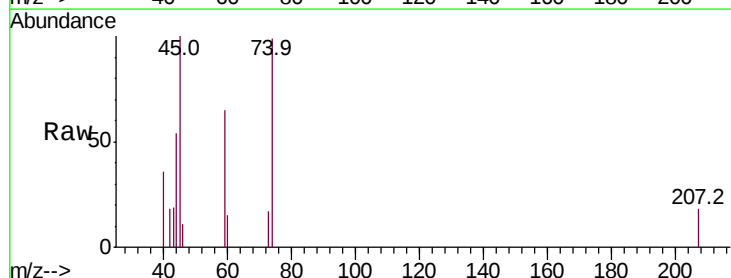
Acq: 10 Sep 2019 16:24

Tgt Ion: 74 Resp: 1002

Ion Ratio Lower Upper

74 100

45 155.1 58.8 176.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.67

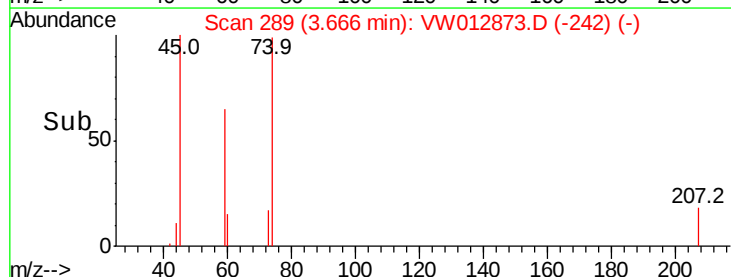
600

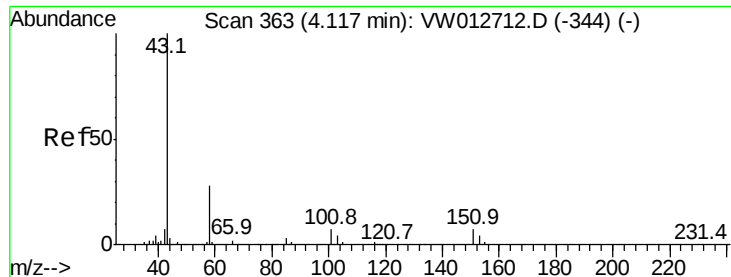
400

200

0

Time--> 3.60 3.65 3.70 3.75





#16

Acetone

Concen: 2.160 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW012873.D

Acq: 10 Sep 2019 16:24

Instrument :

MSVOA_W

ClientSampleId :

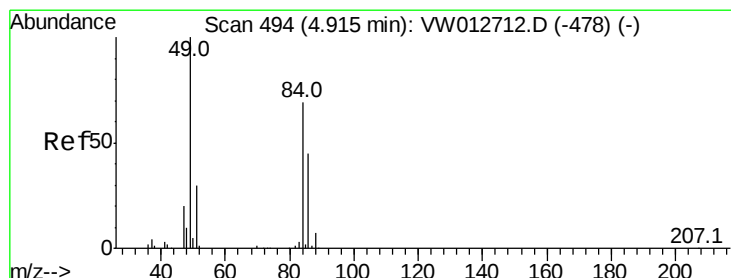
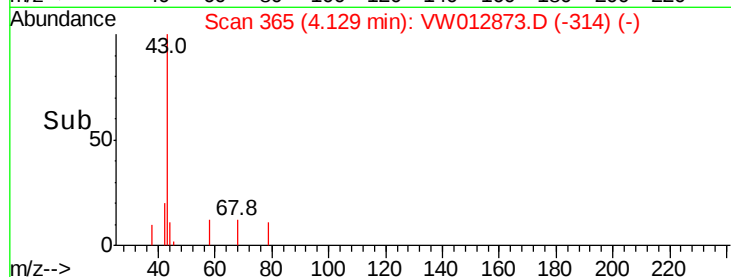
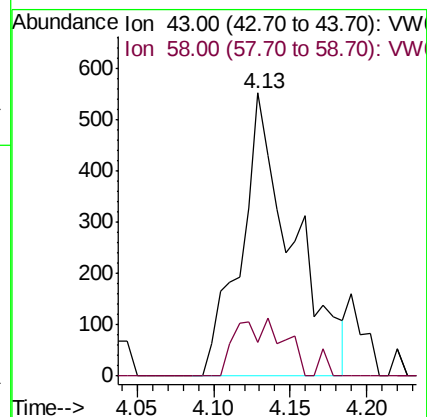
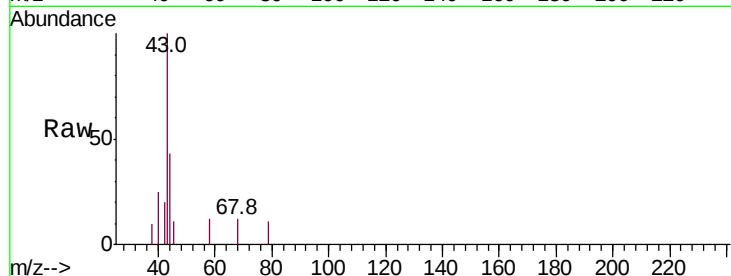
SB-31-10.5-11.0

Tot Ion: 43 Resp: 1290

Ion Ratio Lower Upper

43 100

58 11.8 22.6 33.8#



#20

Methylene Chloride

Concen: 9.477 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW012873.D

Acq: 10 Sep 2019 16:24

Tgt Ion: 84 Resp: 17708

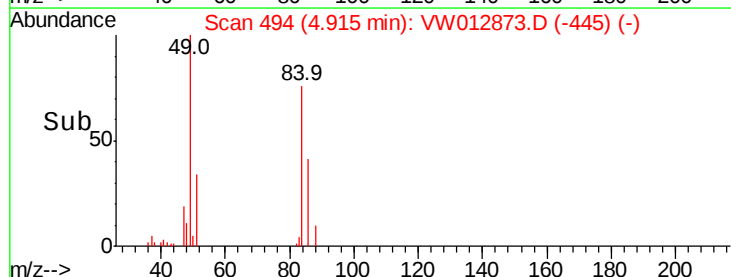
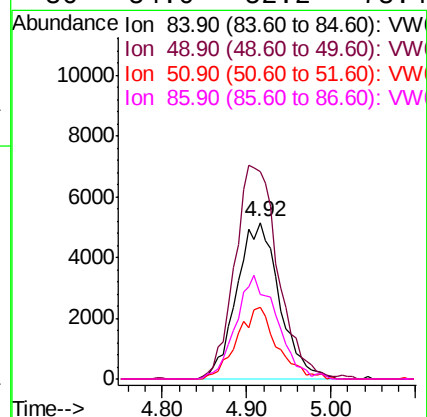
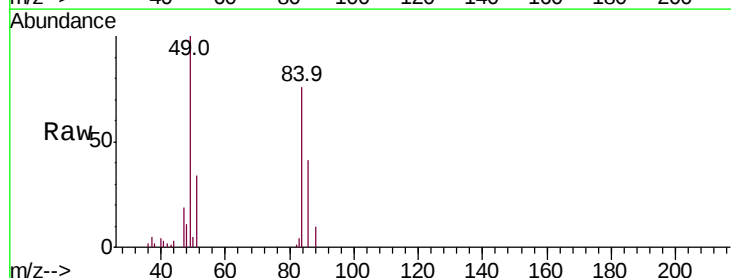
Ion Ratio Lower Upper

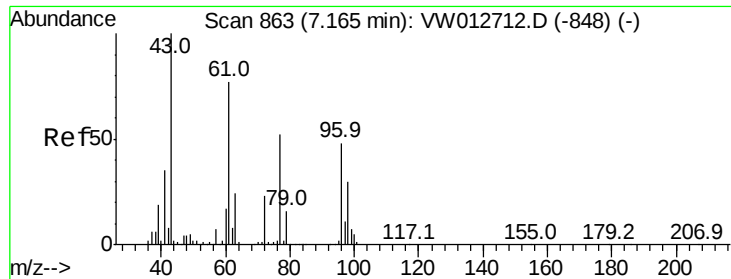
84 100

49 132.1 115.4 173.0

51 45.5 34.9 52.3

86 54.0 52.2 78.4





#25

2-Butanone

Concen: 19.706 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.02 min

Lab File: VW012873.D

Acq: 10 Sep 2019 16:24

Instrument :

MSVOA_W

ClientSampleId :

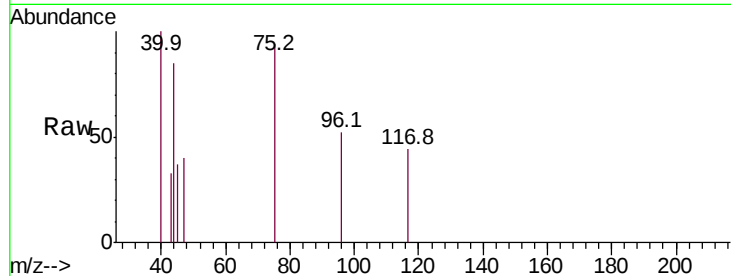
SB-31-10.5-11.0

Tot Ion: 43 Resp: 25

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

7.18

60

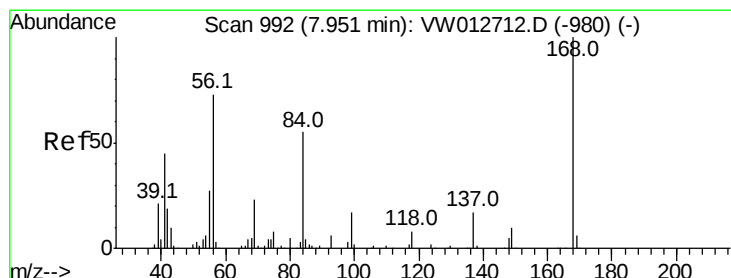
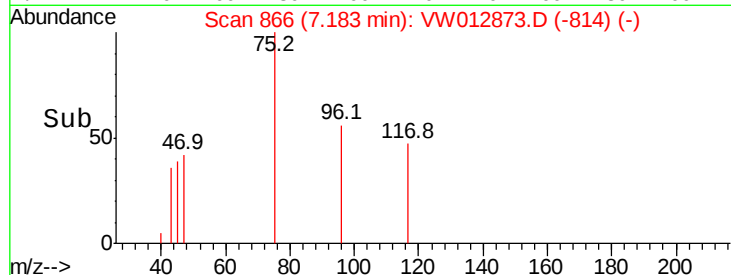
40

20

0

7.17 7.18 7.18 7.19

Time-->



#31

Cyclohexane

Concen: 1.278 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012873.D

Acq: 10 Sep 2019 16:24

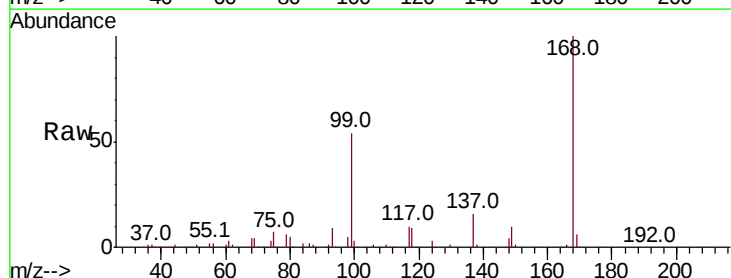
Tgt Ion: 56 Resp: 4117

Ion Ratio Lower Upper

56 100

69 186.4 25.7 38.5#

84 109.8 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

4000

3000

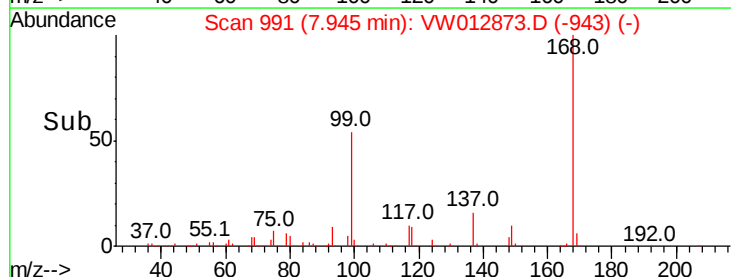
2000

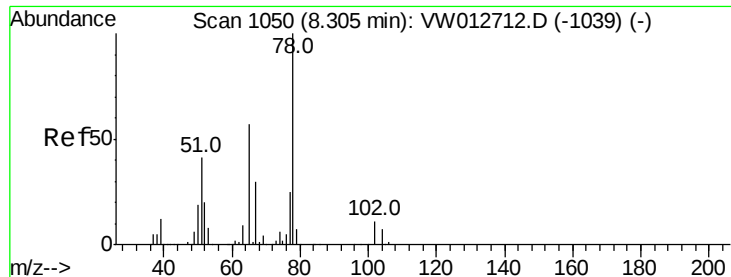
1000

0

7.85 7.90 7.95 8.00

Time-->

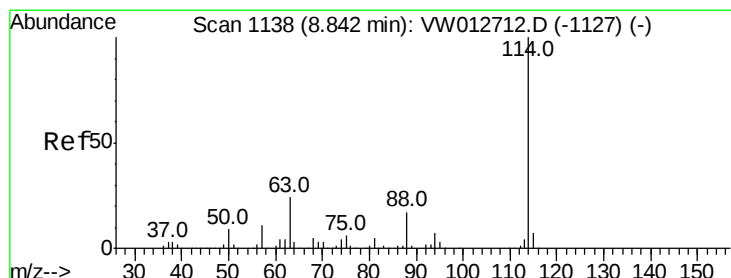
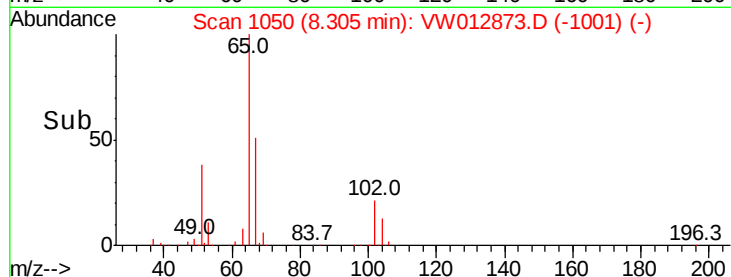
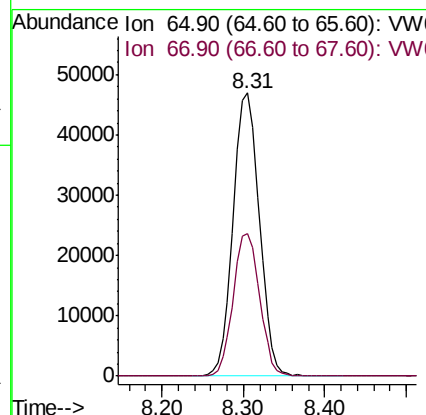
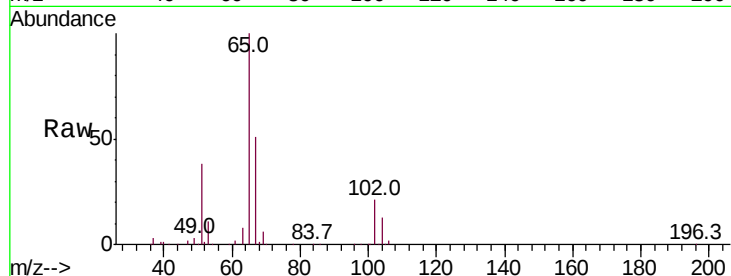




#33
 1,2-Dichloroethane-d4
 Concen: 47.546 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW012873.D
 Acq: 10 Sep 2019 16:24

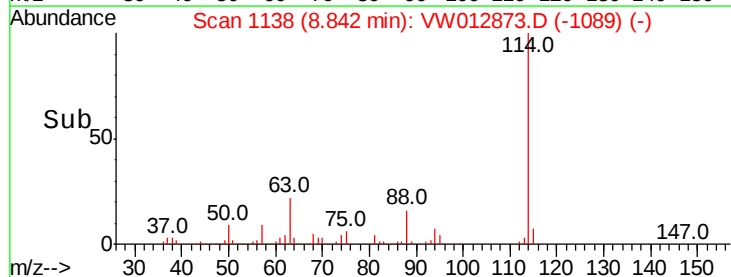
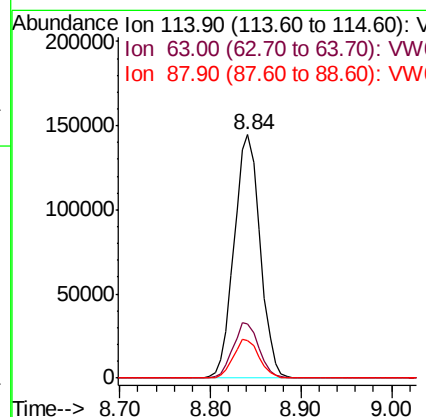
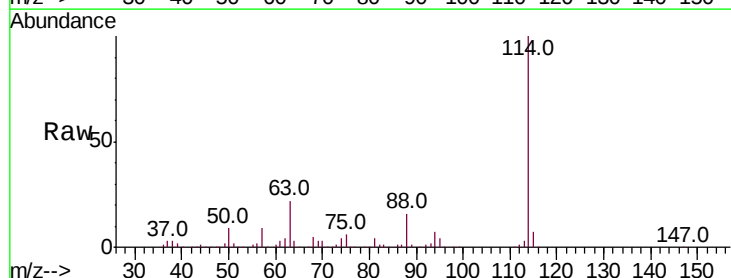
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-31-10.5-11.0

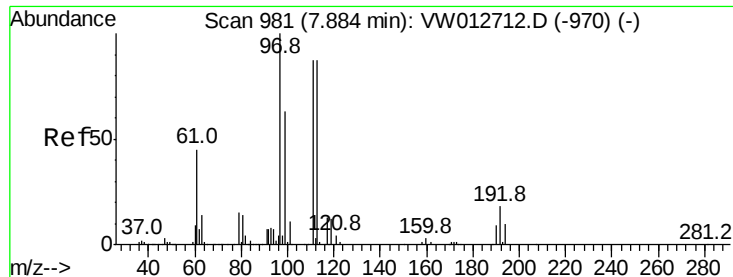
Tot Ion: 65 Resp: 104168
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012873.D
 Acq: 10 Sep 2019 16:24

Tgt Ion: 114 Resp: 288250
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 47.2
 88 15.6 0.0 34.0

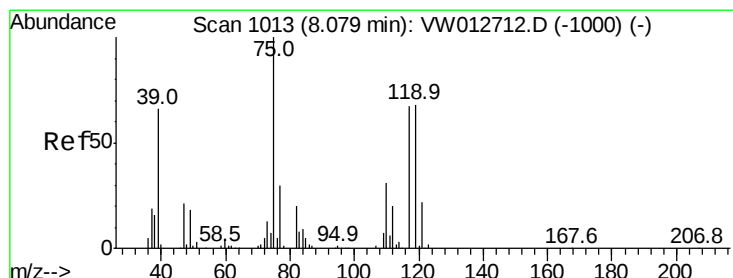
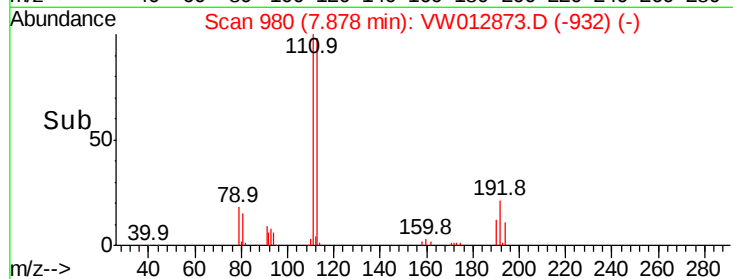
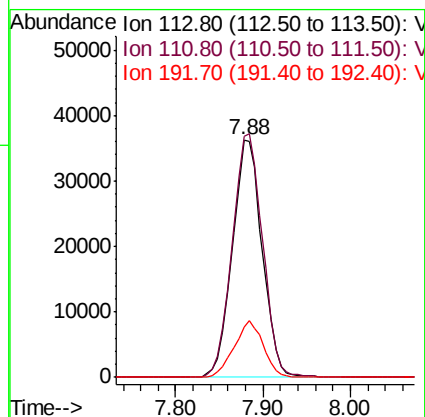
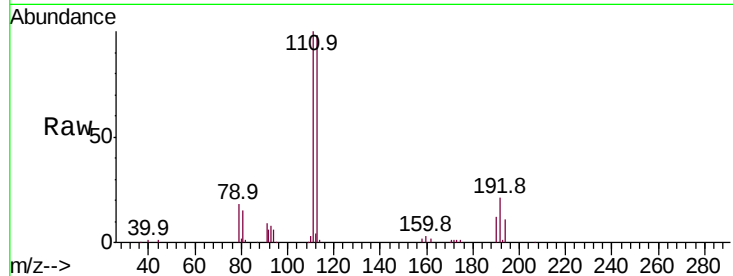




#35
 Dibromofluoromethane
 Concen: 50.278 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012873.D
 Acq: 10 Sep 2019 16:24

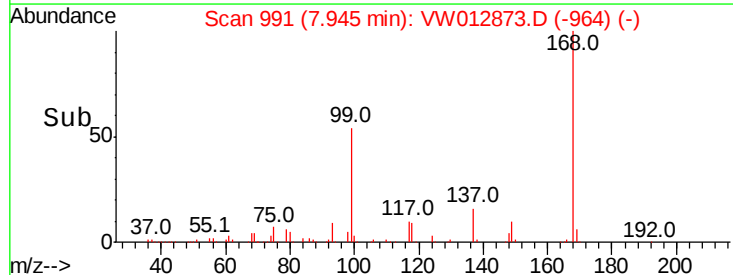
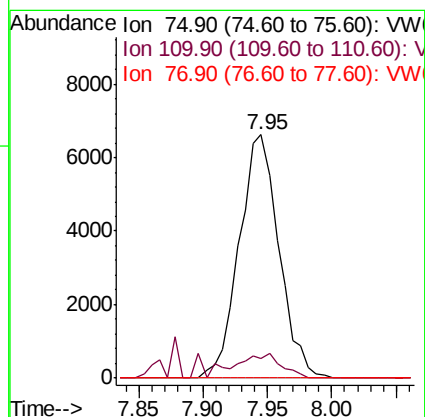
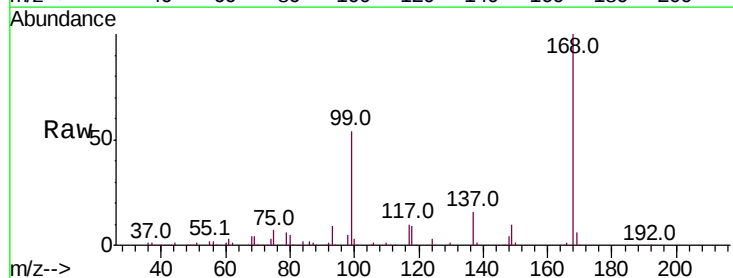
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-31-10.5-11.0

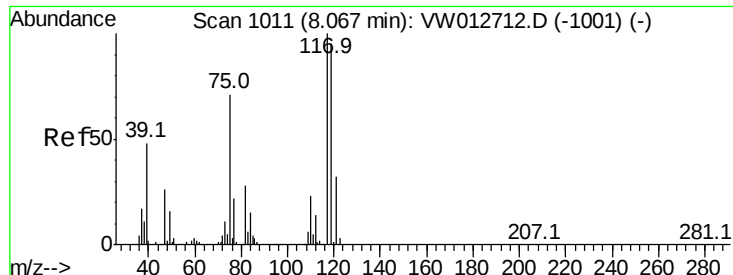
Tot Ion:113 Resp: 86162
 Ion Ratio Lower Upper
 113 100
 111 104.0 80.2 120.4
 192 23.2 17.3 25.9



#36
 1,1-Dichloropropene
 Concen: 5.509 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012873.D
 Acq: 10 Sep 2019 16:24

Tgt Ion: 75 Resp: 14109
 Ion Ratio Lower Upper
 75 100
 110 10.1 15.9 47.7#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 7.555 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012873.D

Acq: 10 Sep 2019 16:24

Instrument :

MSVOA_W

ClientSampleId :

SB-31-10.5-11.0

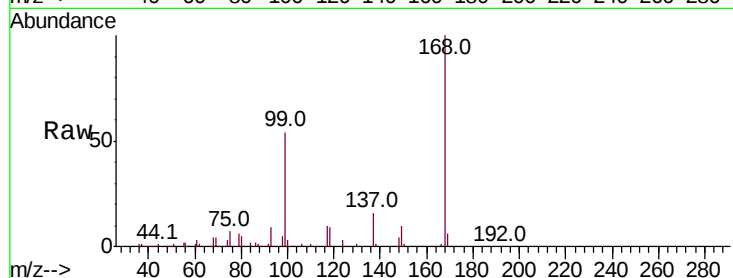
Tot Ion:117 Resp: 19074

Ion Ratio Lower Upper

117 100

119 4.5 76.2 114.2#

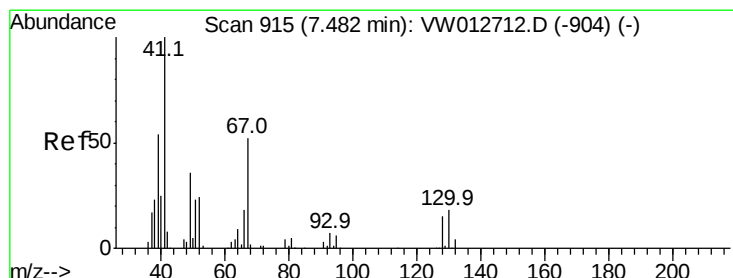
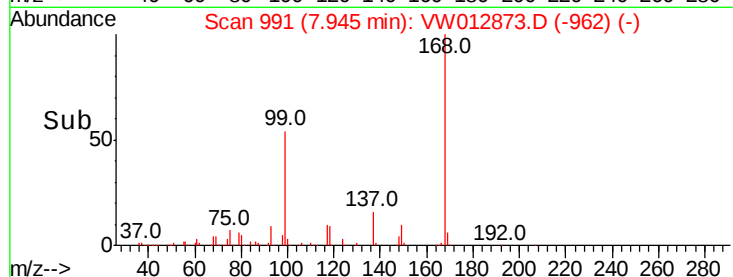
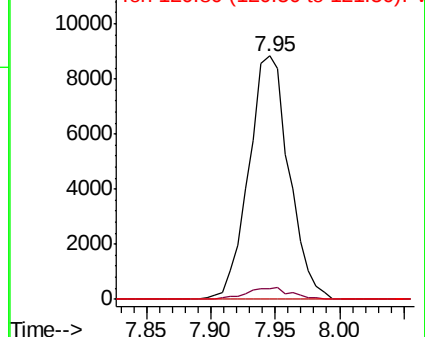
121 0.0 25.4 38.2#



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: 3.859 ug/l

RT: 7.52 min Scan# 922

Delta R.T. 0.04 min

Lab File: VW012873.D

Acq: 10 Sep 2019 16:24

Tgt Ion: 41 Resp: 24

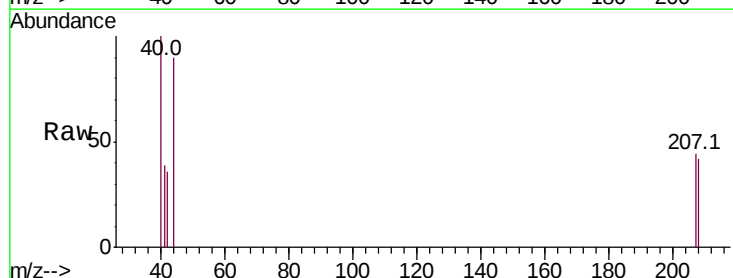
Ion Ratio Lower Upper

41 100

39 395.8 47.5 71.3#

67 0.0 45.1 67.7#

52 0.0 20.2 30.2#

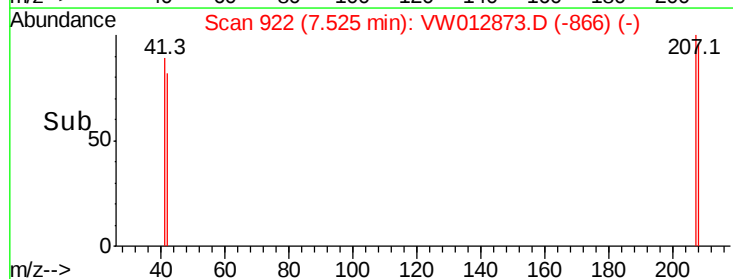
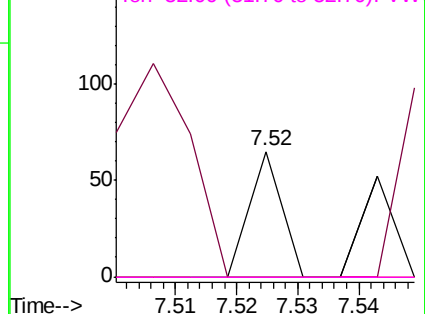


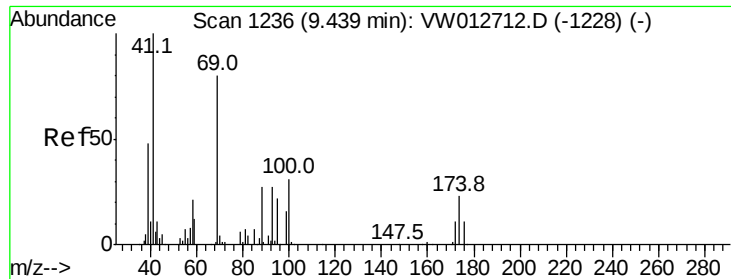
Abundance Ion 41.00 (40.70 to 41.70): VW

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

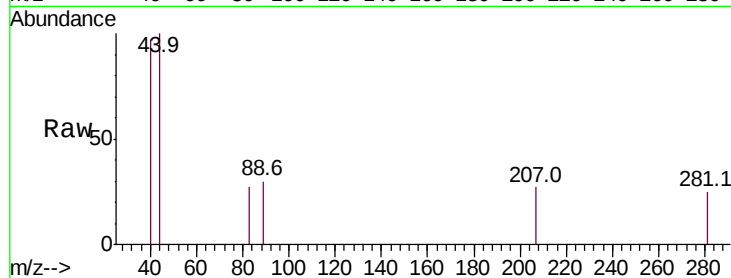




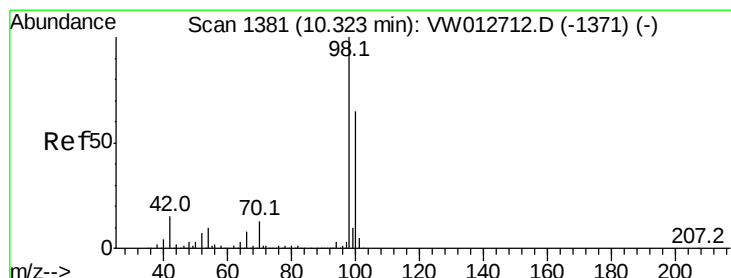
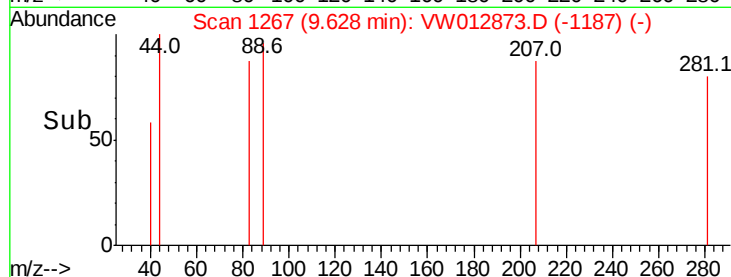
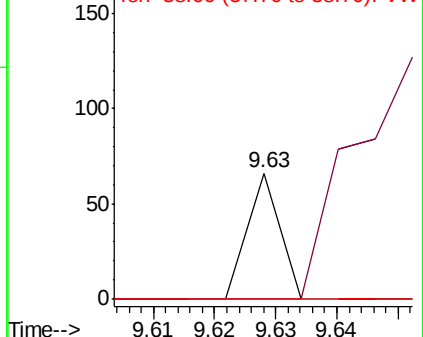
#49
1,4-Dioxane
Concen: 1.302 ug/l
RT: 9.63 min Scan# 1267
Delta R.T. 0.19 min
Lab File: VW012873.D
Acq: 10 Sep 2019 16:24

Instrument :
MSVOA_W
ClientSampleId :
SB-31-10.5-11.0

Tot Ion: 88 Resp: 24
Ion Ratio Lower Upper
88 100
43 0.0 34.8 52.2#
58 0.0 64.1 96.1#

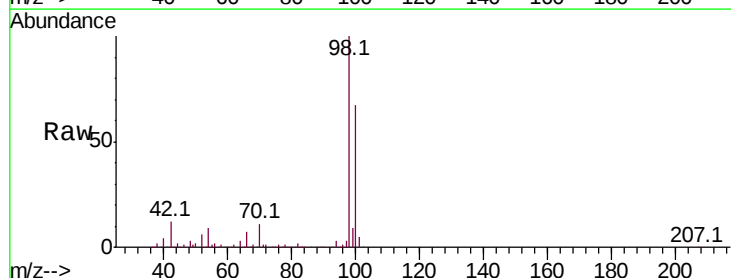


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

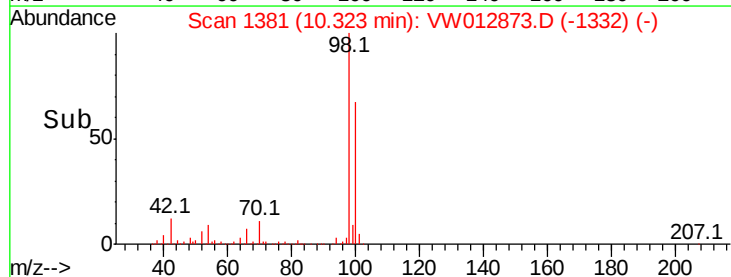
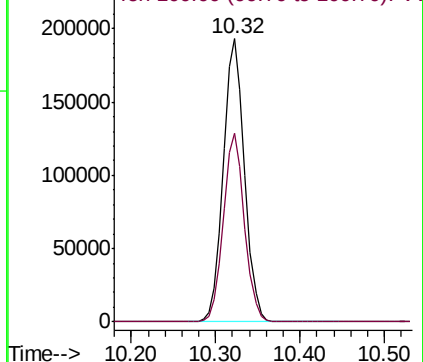


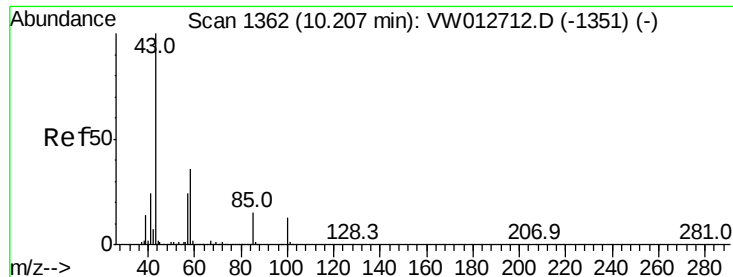
#50
Toluene-d8
Concen: 49.729 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012873.D
Acq: 10 Sep 2019 16:24

Tgt Ion: 98 Resp: 333881
Ion Ratio Lower Upper
98 100
100 66.1 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 1.091 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.12 min

Lab File: VW012873.D

Acq: 10 Sep 2019 16:24

Instrument :

MSVOA_W

ClientSampled :

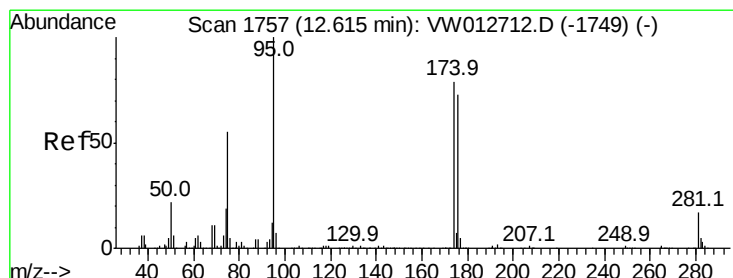
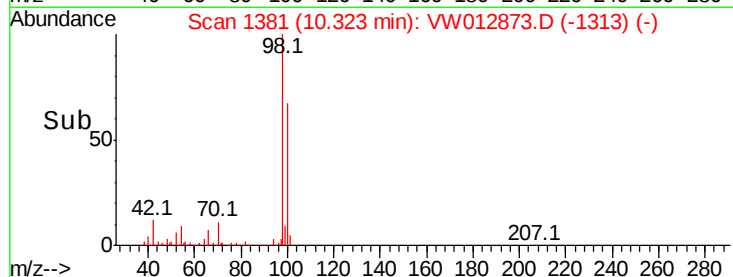
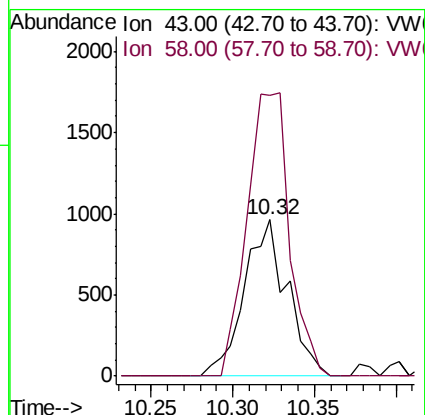
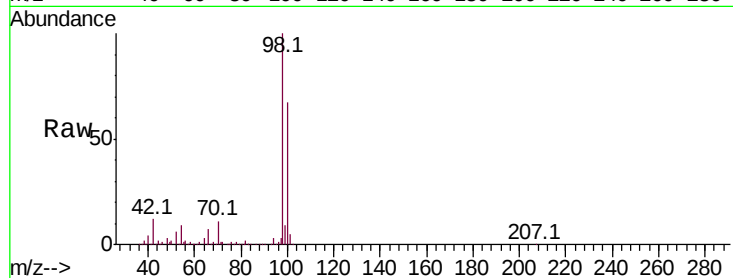
SB-31-10.5-11.0

Tot Ion: 43 Resp: 1771

Ion Ratio Lower Upper

43 100

58 178.8 28.4 42.6#



#62

4-Bromofluorobenzene

Concen: 35.093 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012873.D

Acq: 10 Sep 2019 16:24

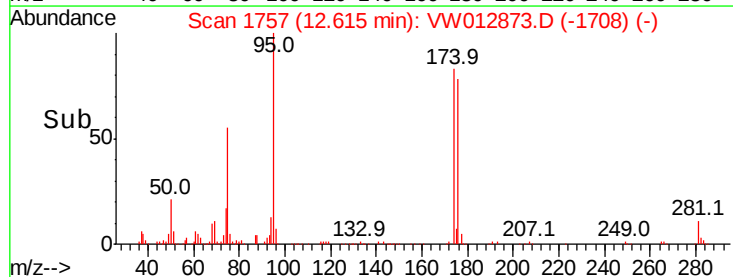
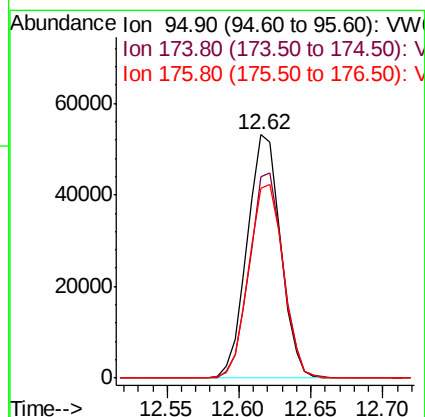
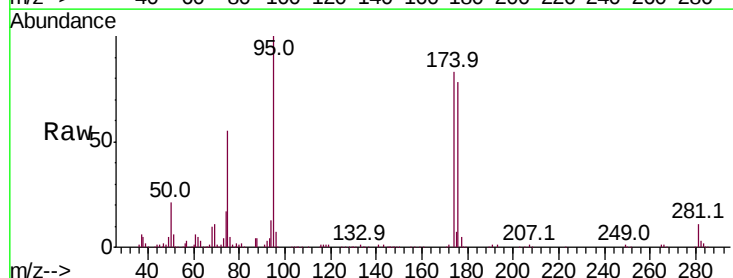
Tgt Ion: 95 Resp: 85534

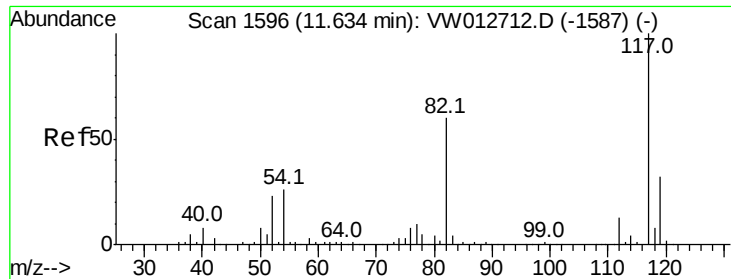
Ion Ratio Lower Upper

95 100

174 84.4 0.0 161.0

176 82.1 0.0 156.4

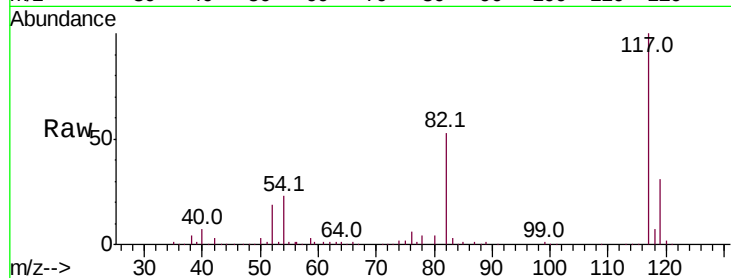




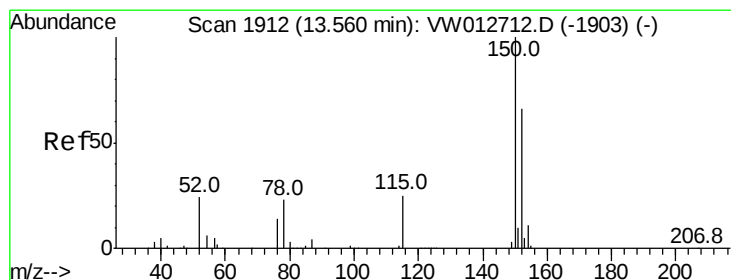
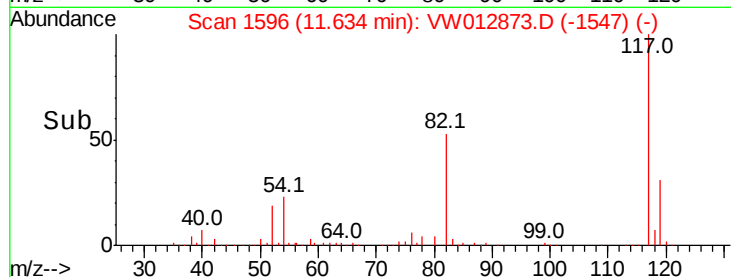
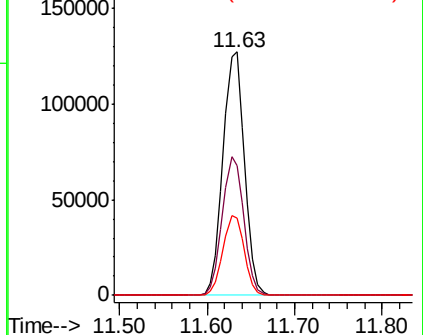
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW012873.D
Acq: 10 Sep 2019 16:24

Instrument :
MSVOA_W
ClientSampleId :
SB-31-10.5-11.0

Tot Ion:117 Resp: 217380
Ion Ratio Lower Upper
117 100
82 53.3 48.2 72.4
119 31.5 25.8 38.6

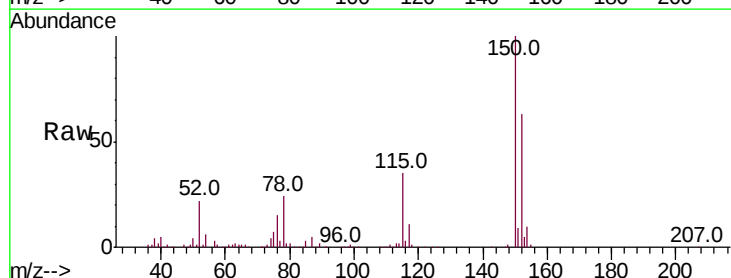


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

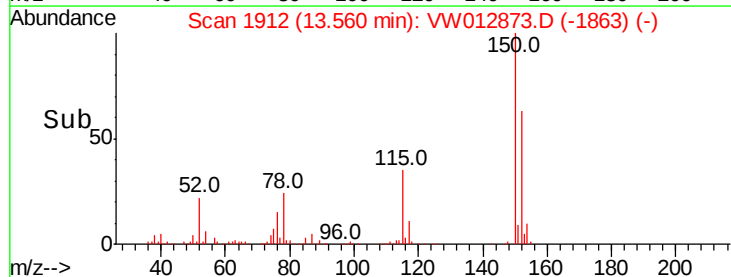
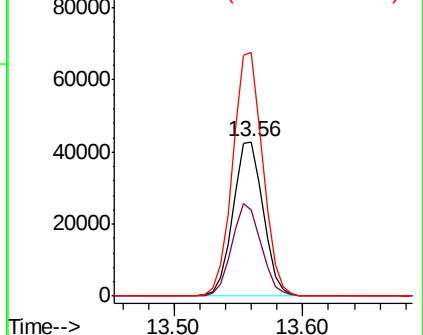


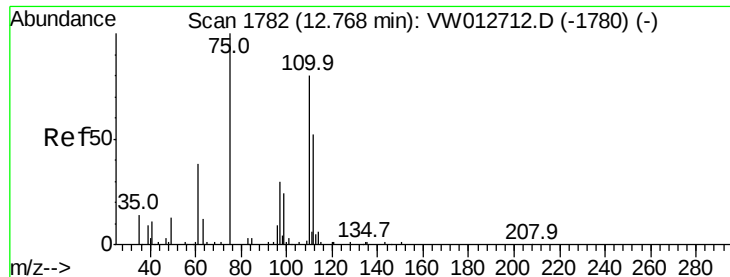
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW012873.D
Acq: 10 Sep 2019 16:24

Tgt Ion:152 Resp: 69931
Ion Ratio Lower Upper
152 100
115 58.5 30.0 90.1
150 156.7 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: 63.309 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012873.D

Acq: 10 Sep 2019 16:24

Instrument :

MSVOA_W

ClientSampleId :

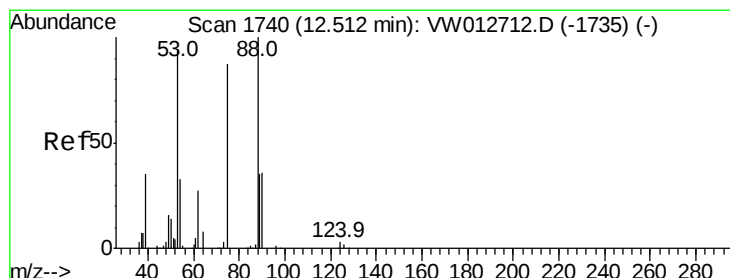
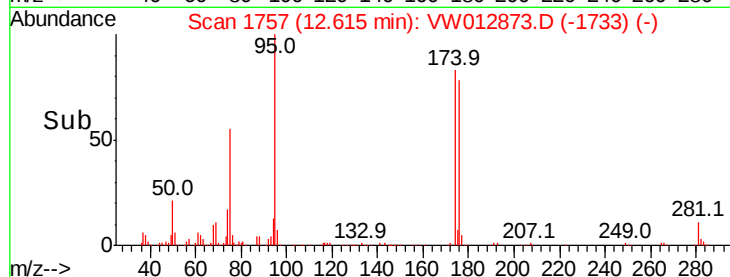
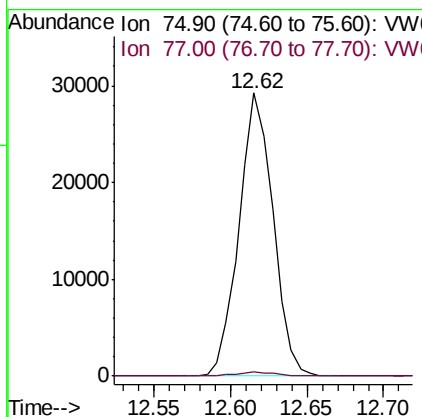
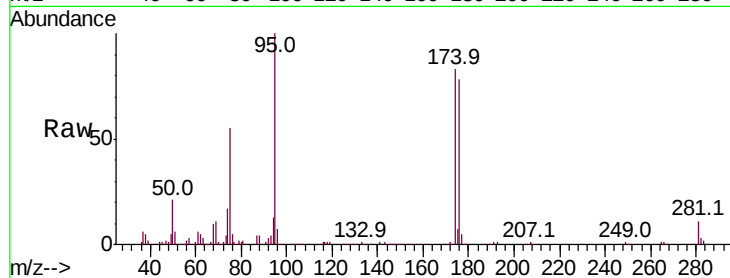
SB-31-10.5-11.0

Tot Ion: 75 Resp: 45271

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 133.904 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012873.D

Acq: 10 Sep 2019 16:24

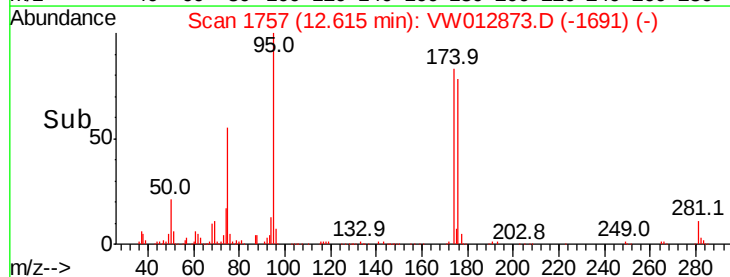
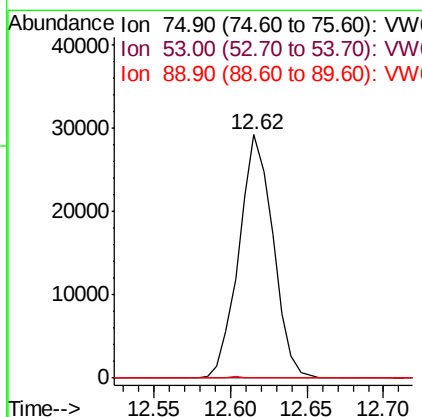
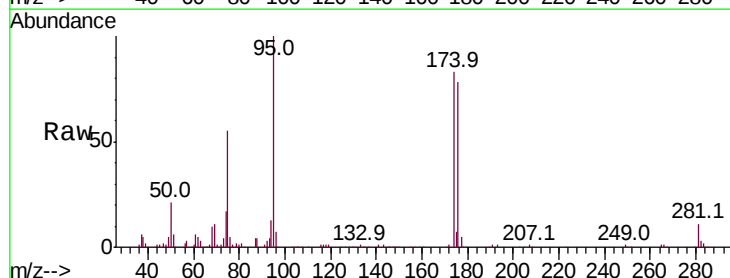
Tgt Ion: 75 Resp: 45271

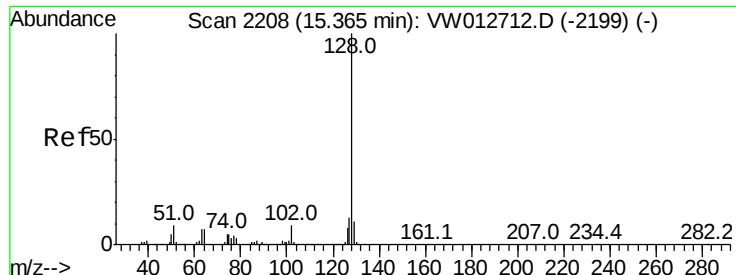
Ion Ratio Lower Upper

75 100

53 0.1 87.6 131.4#

89 0.2 35.5 53.3#





#95

Naphthalene

Concen: 4.519 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012873.D

Acq: 10 Sep 2019 16:24

Instrument :

MSVOA_W

ClientSampleId :

SB-31-10.5-11.0

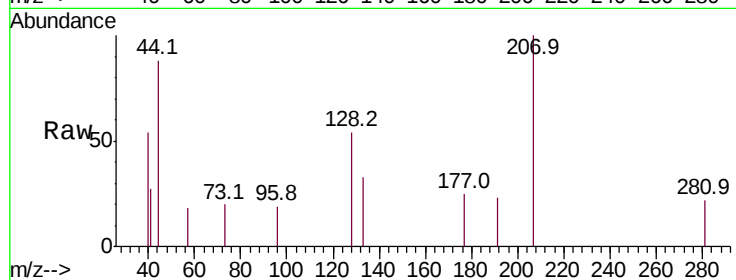
Tot Ion:128 Resp: 258

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

