

Data File : VW012839.D
Acq On : 09 Sep 2019 23:45
Operator : SY/VA
Sample : VW0909SBL02
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0909SBL02

Quant Time: Sep 10 07:06:16 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	232579	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	347619	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	286156	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	124215	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	118265	45.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.02%	
35) Dibromofluoromethane	7.88	113	99811	48.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.60%	
50) Toluene-d8	10.32	98	405922	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
62) 4-Bromofluorobenzene	12.62	95	127966	43.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.06%	

Target Compounds

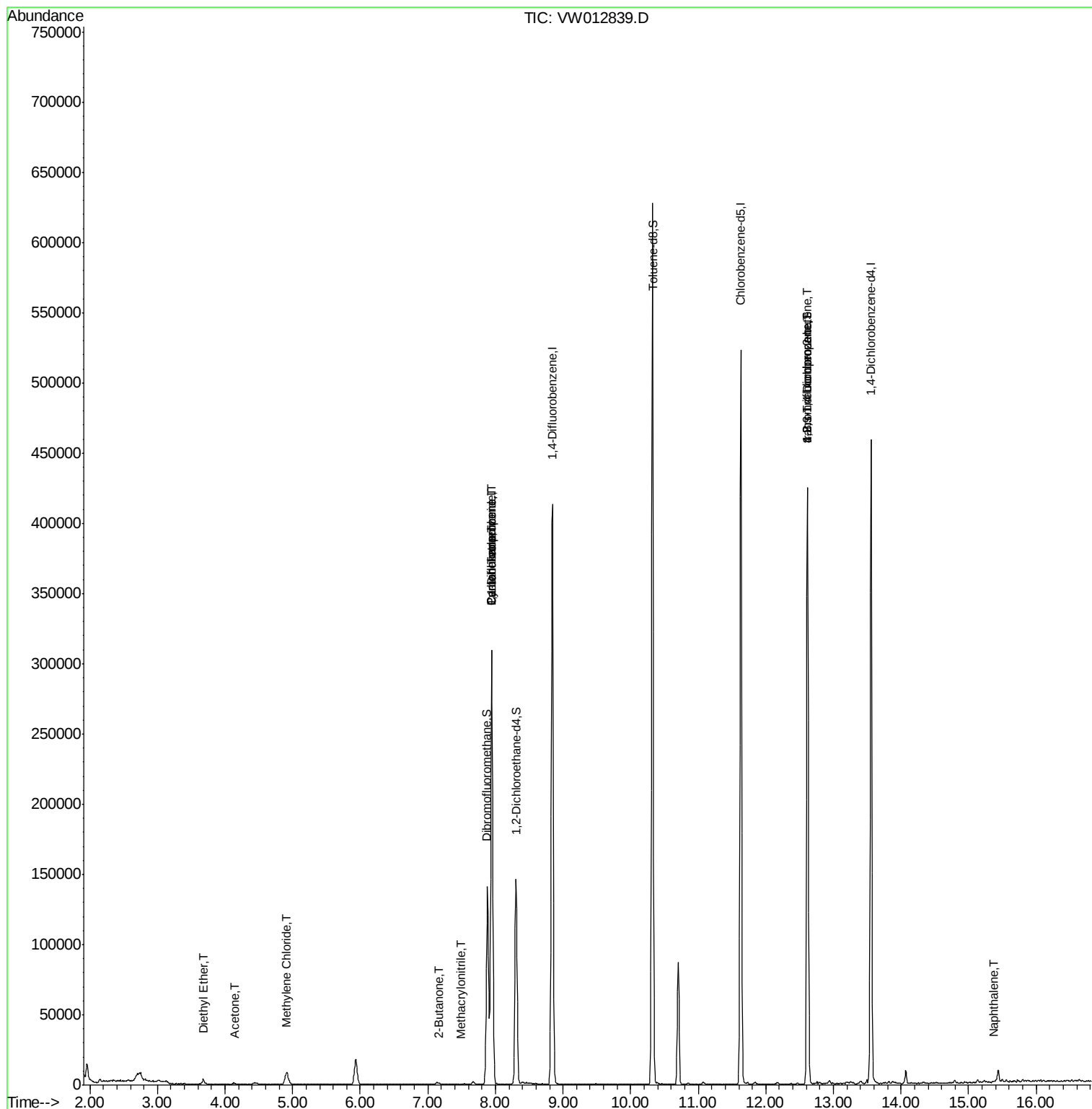
						Qvalue
8) Diethyl Ether	3.68	74	1662	1.525	ug/l	89
16) Acetone	4.14	43	2001	2.824	ug/l	98
20) Methylene Chloride	4.90	84	6653	3.002	ug/l #	75
25) 2-Butanone	7.17	43	31	19.708	ug/l #	53
31) Cyclohexane	7.94	56	4892	1.281	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	16887	5.467	ug/l #	51
38) Carbon Tetrachloride	7.95	117	21634	7.106	ug/l #	15
41) Methacrylonitrile	7.49	41	64	3.883	ug/l #	11
76) 1,2,3-Trichloropropane	12.62	75	66947	52.708	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	66947	111.481	ug/l #	6
95) Naphthalene	15.36	128	836	4.585	ug/l #	73

(#) = 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

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Instrument :

MSVOA_W

ClientSampleId :

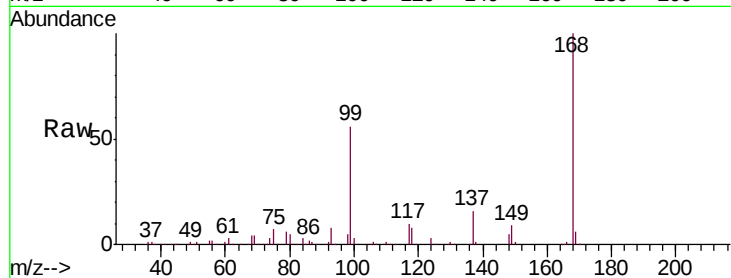
VW0909SBL02

Tgt Ion:168 Resp: 232579

Ion Ratio Lower Upper

168 100

99 56.1 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

120000

100000

80000

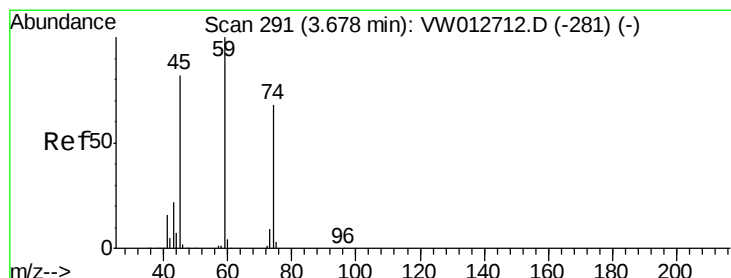
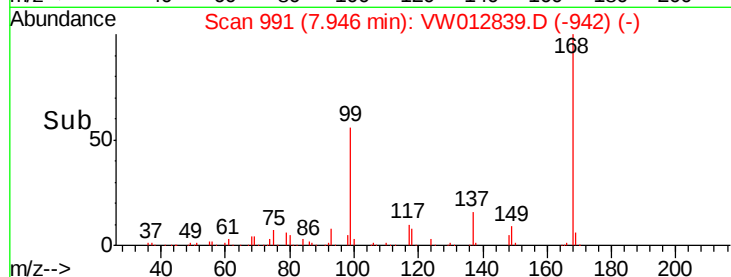
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.525 ug/l

RT: 3.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VW012839.D

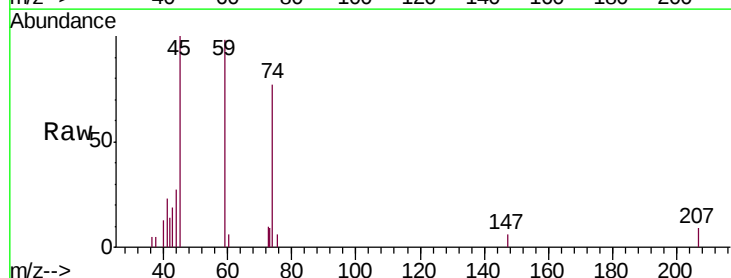
Acq: 09 Sep 2019 23:45

Tgt Ion: 74 Resp: 1662

Ion Ratio Lower Upper

74 100

45 130.1 58.8 176.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

1200

1000

800

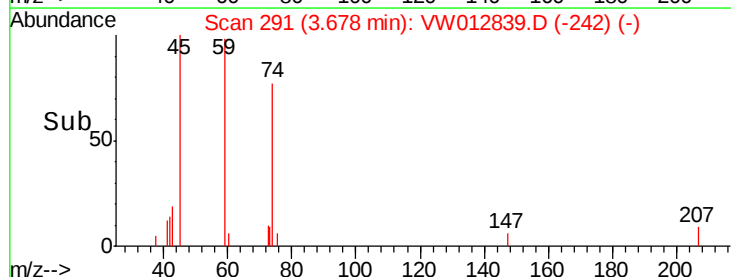
600

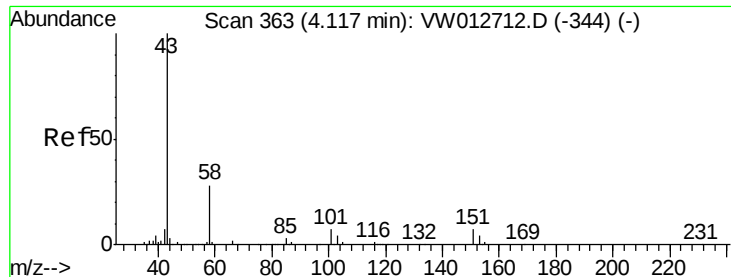
400

200

0

Time--> 3.60 3.65 3.70 3.75





#16

Acetone

Concen: 2.824 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW012839.D

Acq: 09 Sep 2019 23:45

Instrument :

MSVOA_W

ClientSampleId :

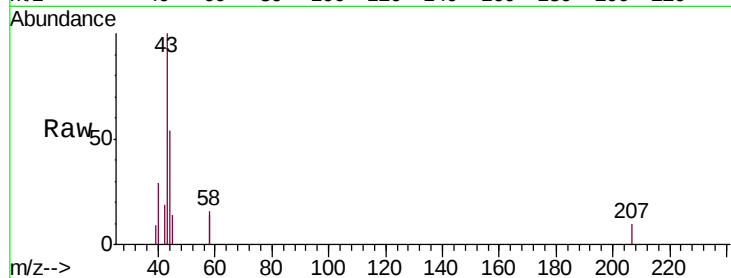
VW0909SBL02

Tgt Ion: 43 Resp: 2001

Ion Ratio Lower Upper

43 100

58 29.5 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

600

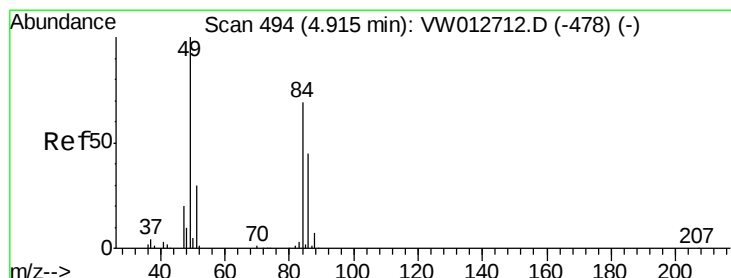
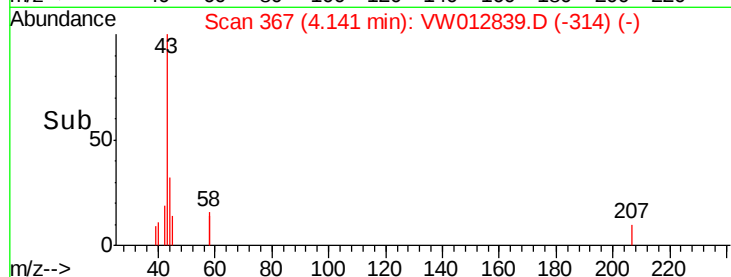
400

200

0

4.05 4.10 4.15 4.20

Time-->



#20

Methylene Chloride

Concen: 3.002 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW012839.D

Acq: 09 Sep 2019 23:45

Tgt Ion: 84 Resp: 6653

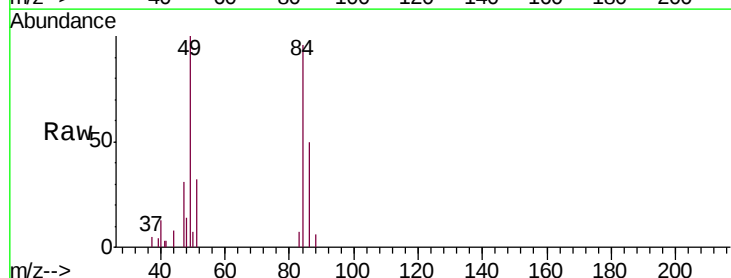
Ion Ratio Lower Upper

84 100

49 104.5 115.4 173.0#

51 33.0 34.9 52.3#

86 52.0 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

4000

3000

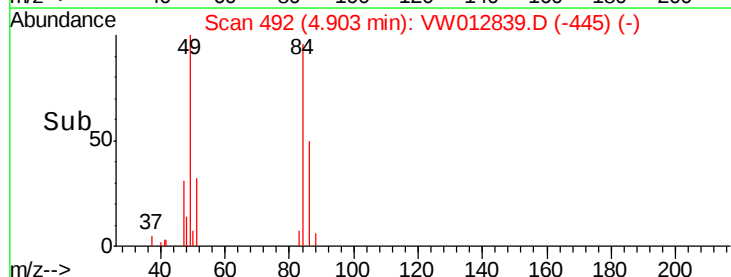
2000

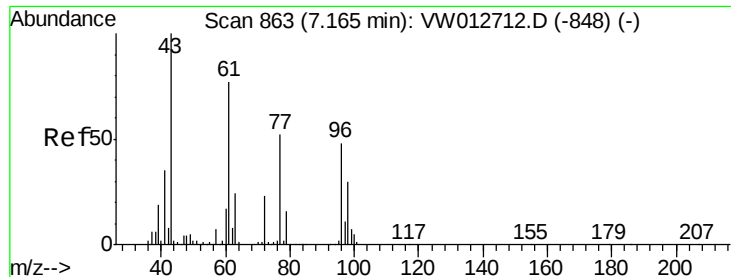
1000

0

4.80 4.90 5.00

Time-->





#25

2-Butanone

Concen: 19.708 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW012839.D

Acq: 09 Sep 2019 23:45

Instrument :

MSVOA_W

ClientSampleId :

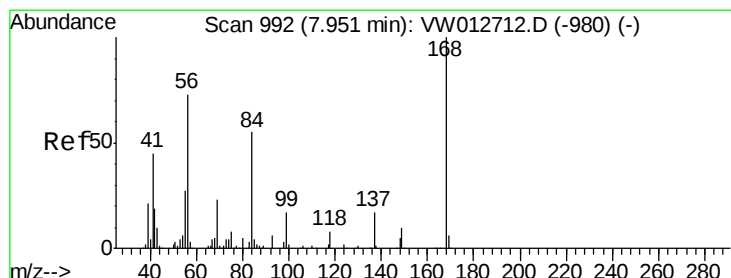
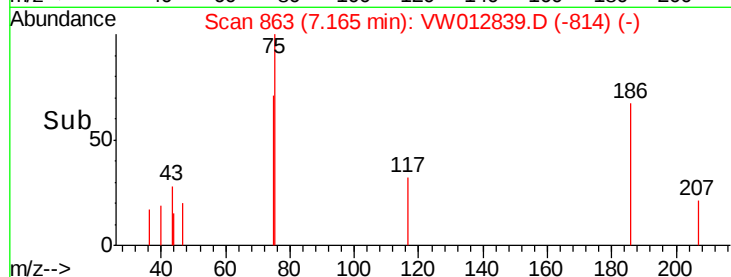
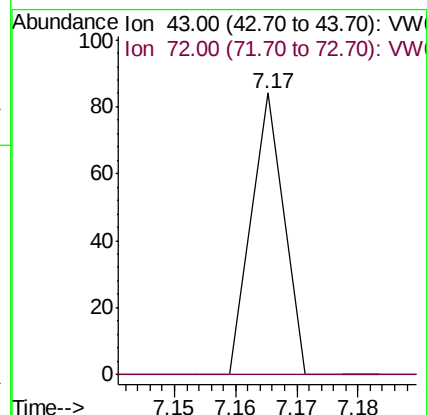
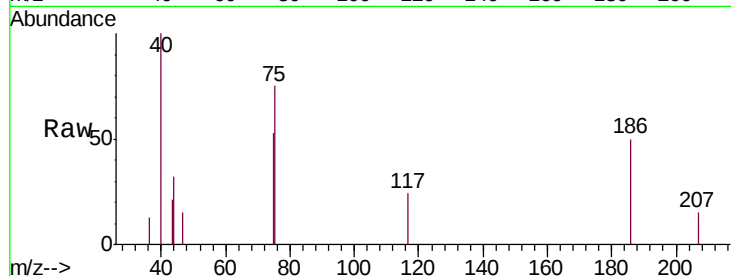
VW0909SBL02

Tgt Ion: 43 Resp: 31

Ion Ratio Lower Upper

43 100

72 0.0 18.0 27.0#



#31

Cyclohexane

Concen: 1.281 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW012839.D

Acq: 09 Sep 2019 23:45

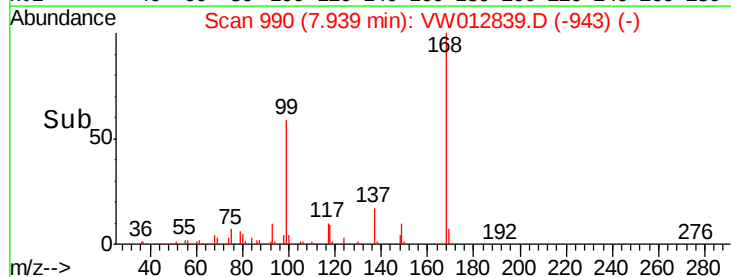
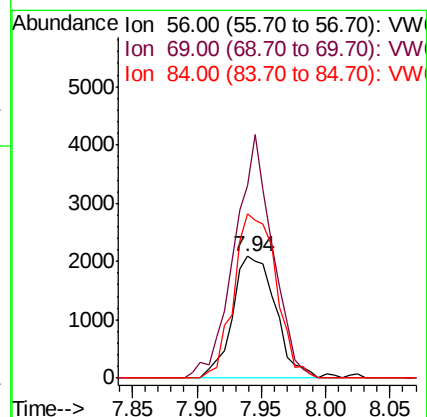
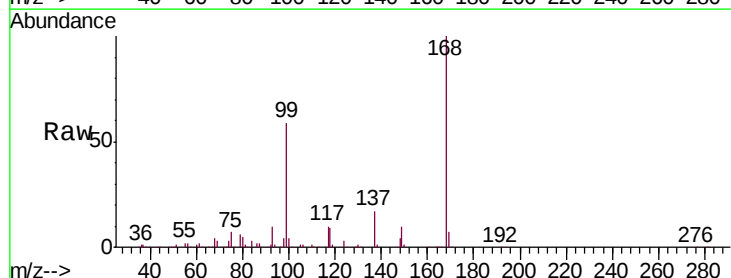
Tgt Ion: 56 Resp: 4892

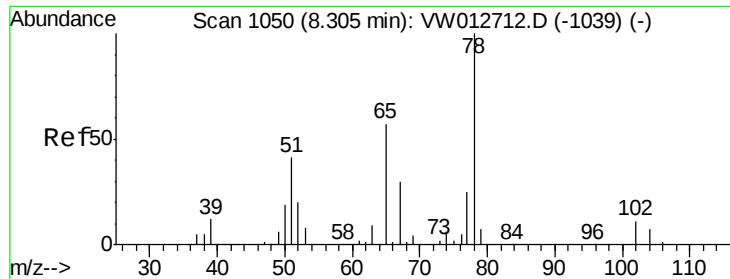
Ion Ratio Lower Upper

56 100

69 158.6 25.7 38.5#

84 135.0 60.4 90.6#

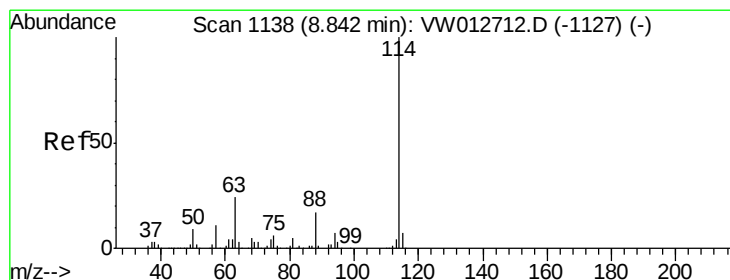
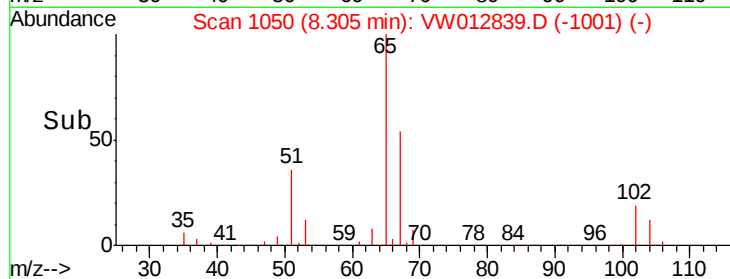
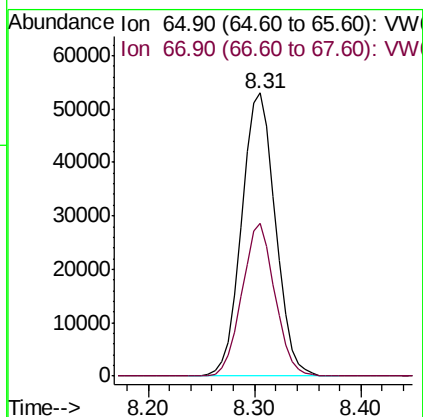
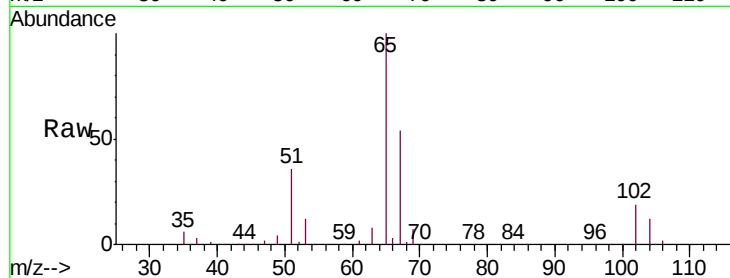




#33
 1,2-Dichloroethane-d4
 Concen: 45.510 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW012839.D
 Acq: 09 Sep 2019 23:45

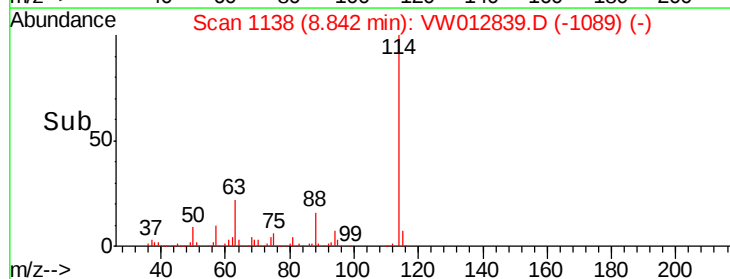
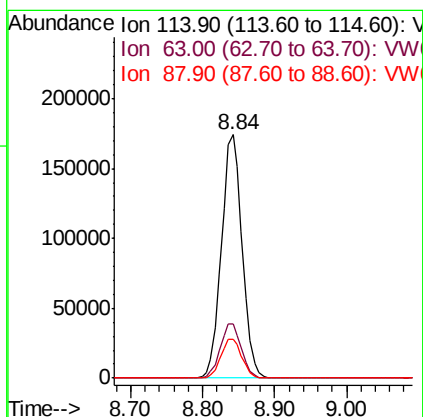
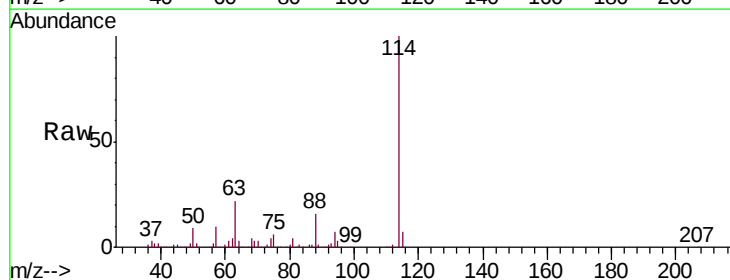
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0909SBL02

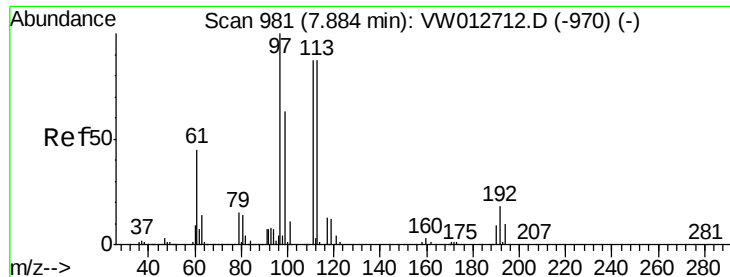
Tgt Ion: 65 Resp: 118265
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012839.D
 Acq: 09 Sep 2019 23:45

Tgt Ion: 114 Resp: 347619
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 47.2
 88 16.2 0.0 34.0

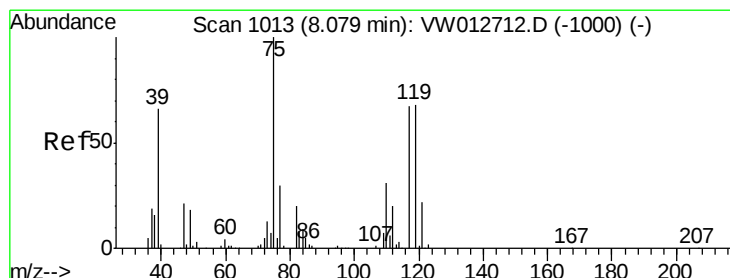
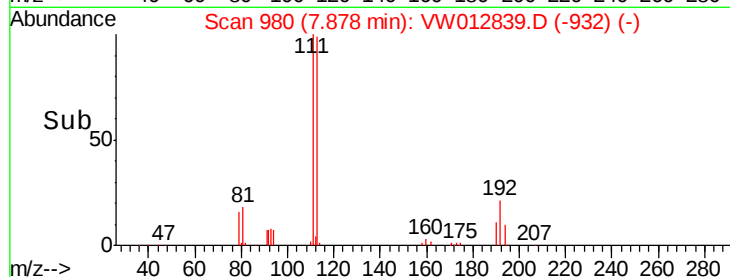
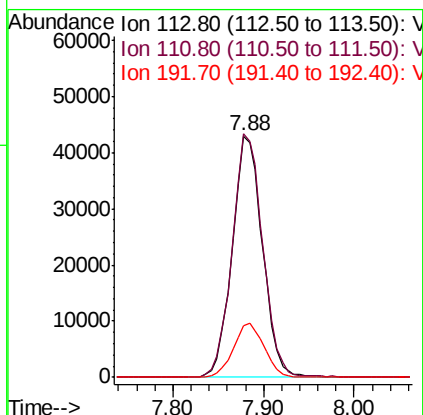
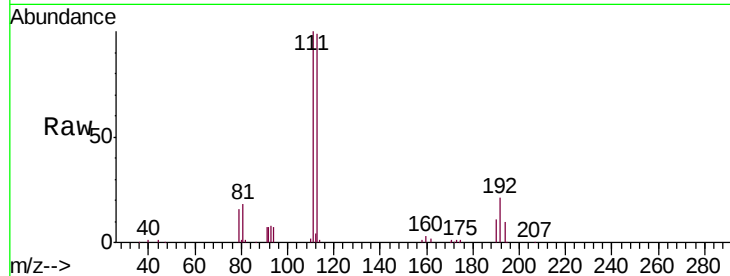




#35
 Dibromofluoromethane
 Concen: 48.295 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012839.D
 Acq: 09 Sep 2019 23:45

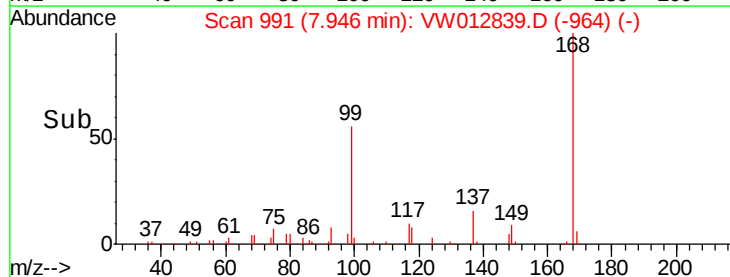
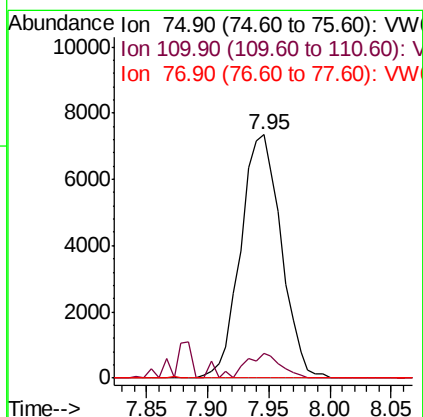
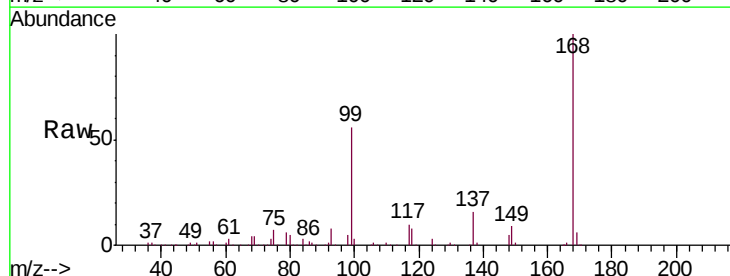
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0909SBL02

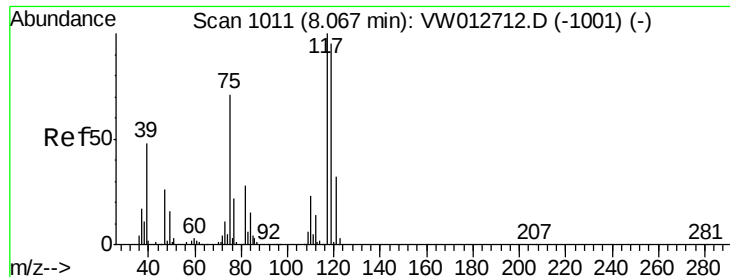
Tgt Ion: 113 Resp: 99811
 Ion Ratio Lower Upper
 113 100
 111 102.2 80.2 120.4
 192 22.7 17.3 25.9



#36
 1,1-Dichloropropene
 Concen: 5.467 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012839.D
 Acq: 09 Sep 2019 23:45

Tgt Ion: 75 Resp: 16887
 Ion Ratio Lower Upper
 75 100
 110 8.3 15.9 47.7#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 7.106 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012839.D

Acq: 09 Sep 2019 23:45

Instrument :

MSVOA_W

ClientSampleId :

VW0909SBL02

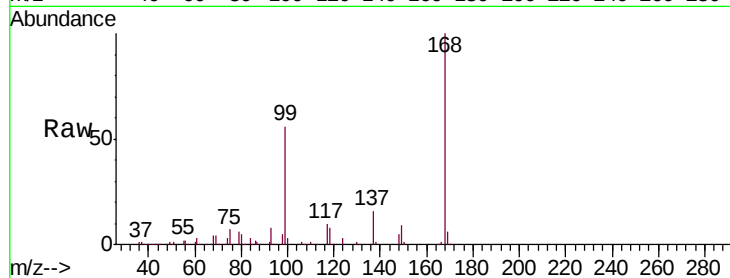
Tgt Ion:117 Resp: 21634

Ion Ratio Lower Upper

117 100

119 3.2 76.2 114.2#

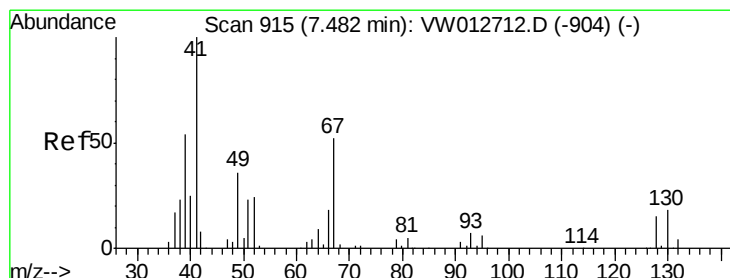
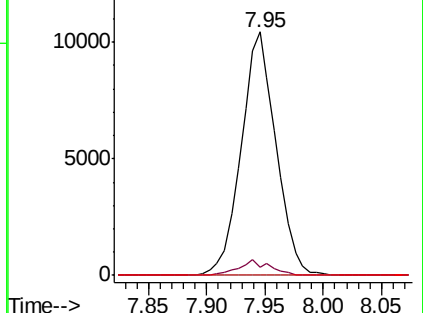
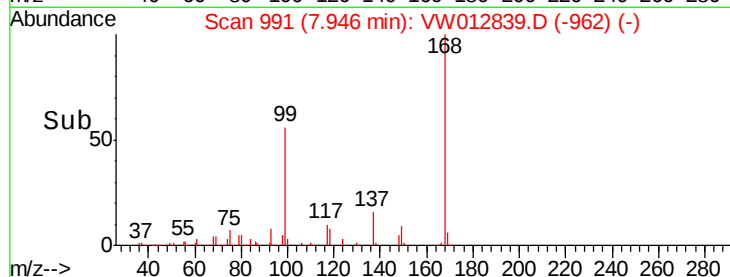
121 0.0 25.4 38.2#



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: 3.883 ug/l

RT: 7.49 min Scan# 916

Delta R.T. 0.01 min

Lab File: VW012839.D

Acq: 09 Sep 2019 23:45

Tgt Ion: 41 Resp: 64

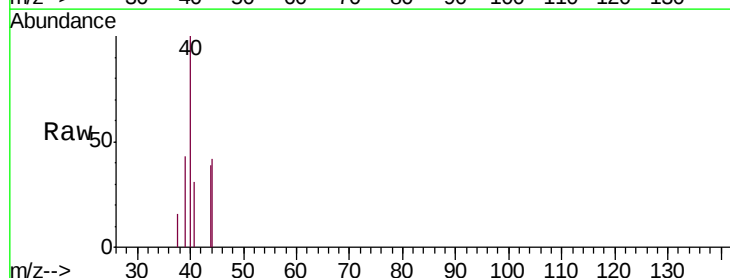
Ion Ratio Lower Upper

41 100

39 146.9 47.5 71.3#

67 0.0 45.1 67.7#

52 0.0 20.2 30.2#

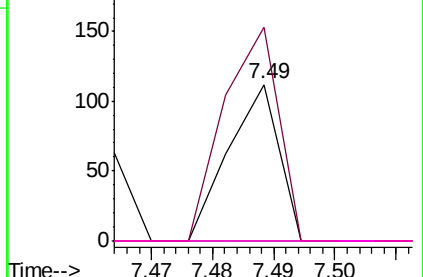
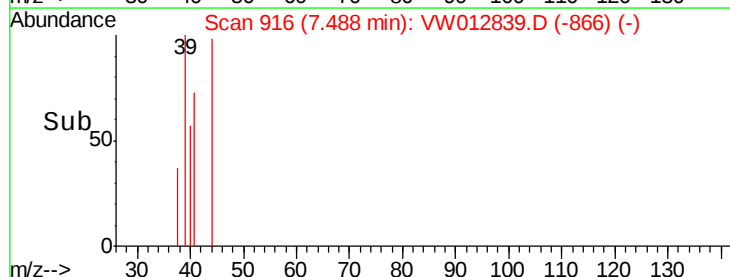


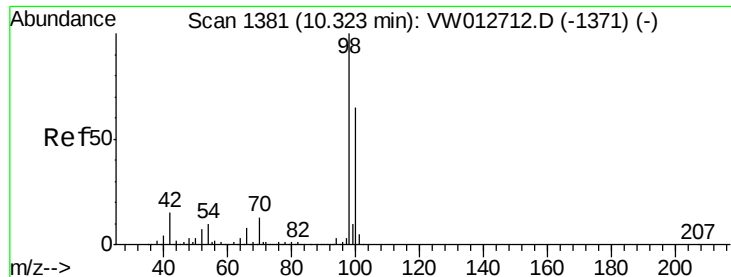
Abundance Ion 41.00 (40.70 to 41.70): VW

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





#50

Toluene-d8

Concen: 50.134 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012839.D

Acq: 09 Sep 2019 23:45

Instrument :

MSVOA_W

ClientSampleId :

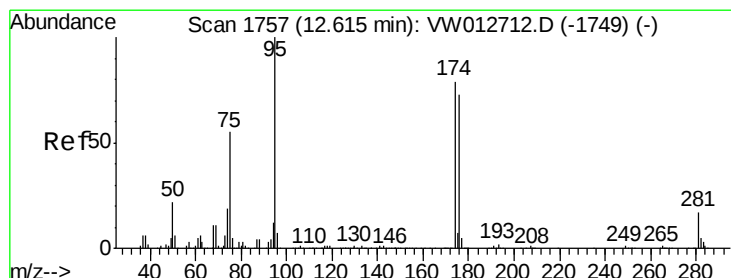
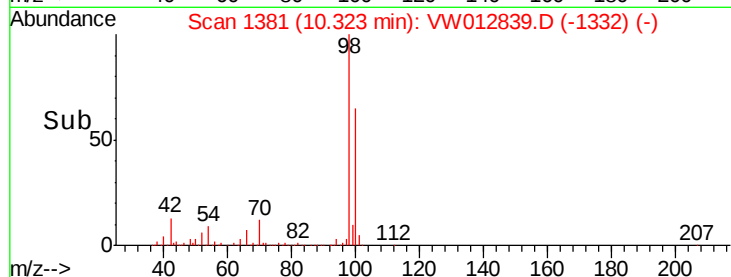
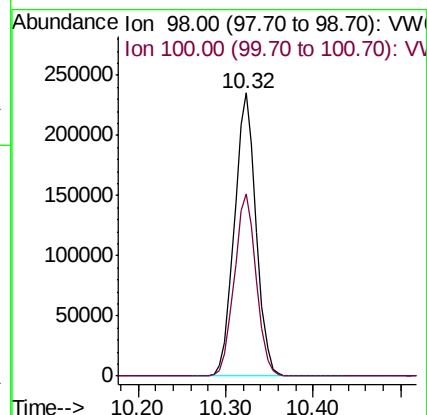
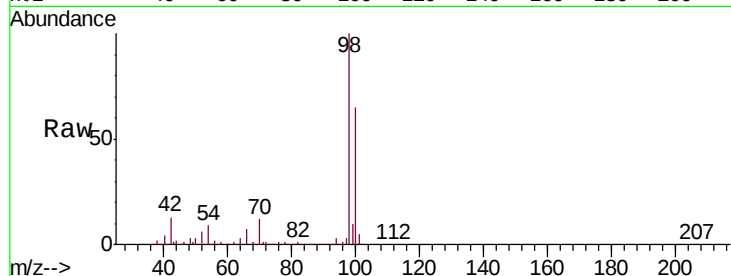
VW0909SBL02

Tgt Ion: 98 Resp: 405922

Ion Ratio Lower Upper

98 100

100 64.9 52.2 78.4



#62

4-Bromofluorobenzene

Concen: 43.535 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012839.D

Acq: 09 Sep 2019 23:45

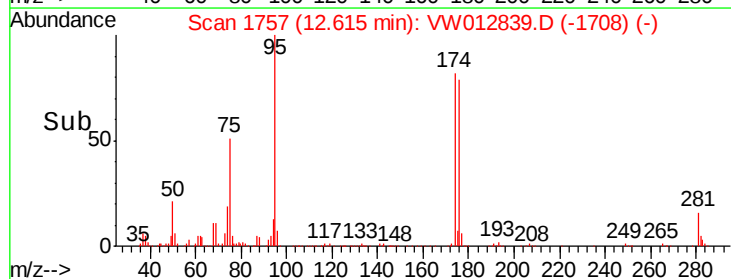
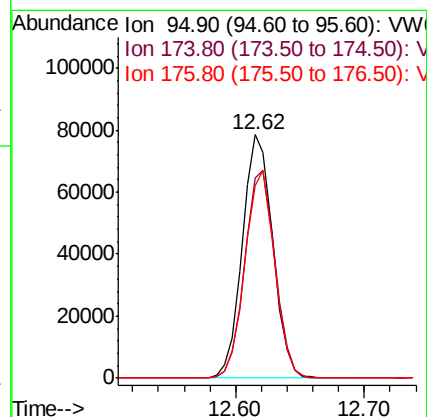
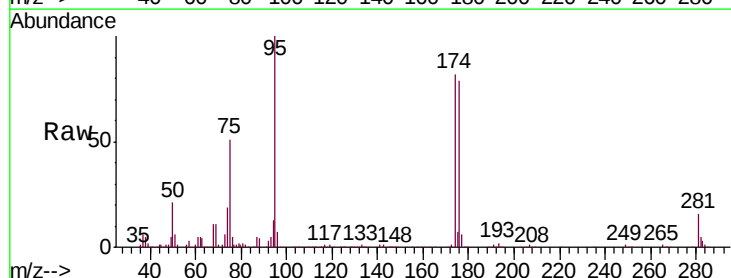
Tgt Ion: 95 Resp: 127966

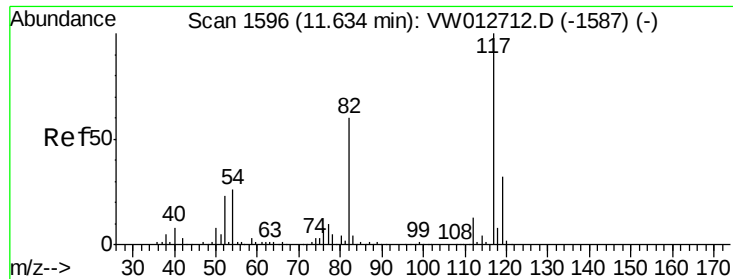
Ion Ratio Lower Upper

95 100

174 85.2 0.0 161.0

176 83.4 0.0 156.4

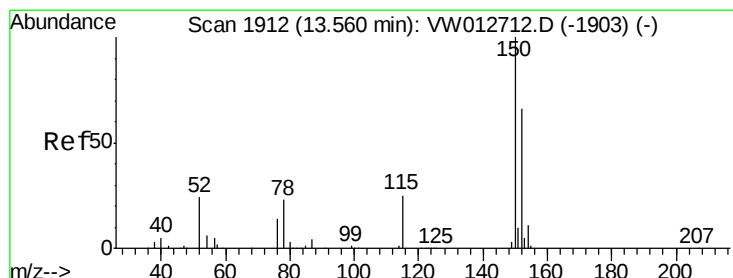
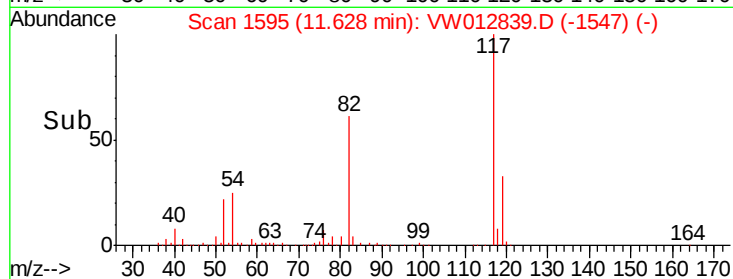
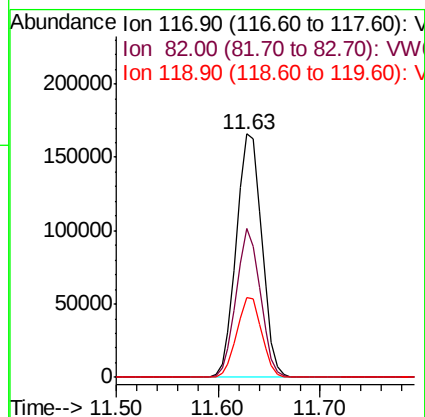
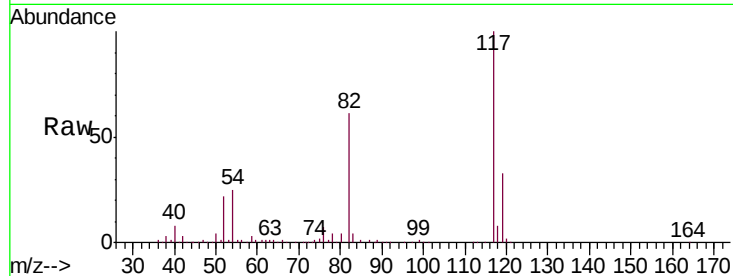




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012839.D
Acq: 09 Sep 2019 23:45

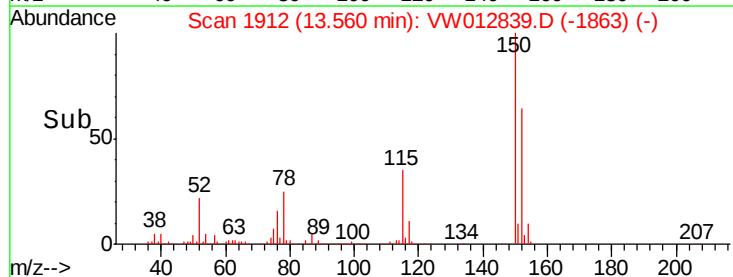
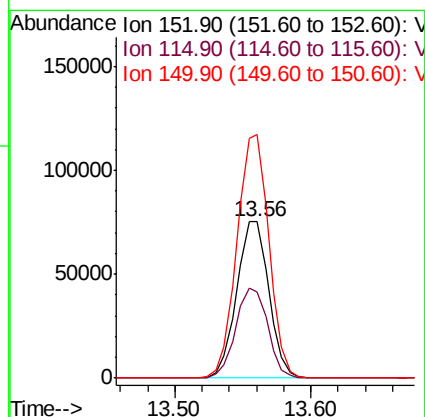
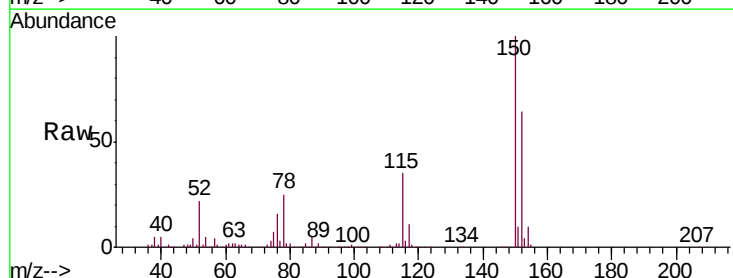
Instrument :
MSVOA_W
ClientSampleId :
VW0909SBL02

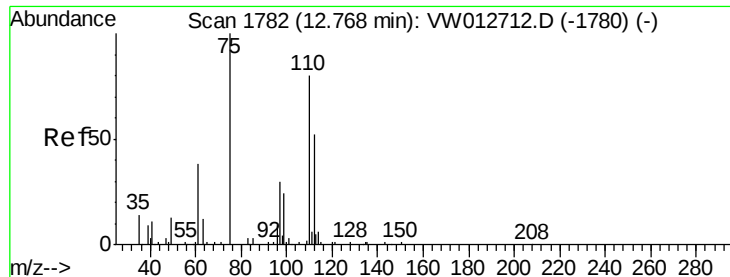
Tgt Ion:117 Resp: 286156
Ion Ratio Lower Upper
117 100
82 61.3 48.2 72.4
119 32.6 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW012839.D
Acq: 09 Sep 2019 23:45

Tgt Ion:152 Resp: 124215
Ion Ratio Lower Upper
152 100
115 57.0 30.0 90.1
150 154.7 0.0 349.0

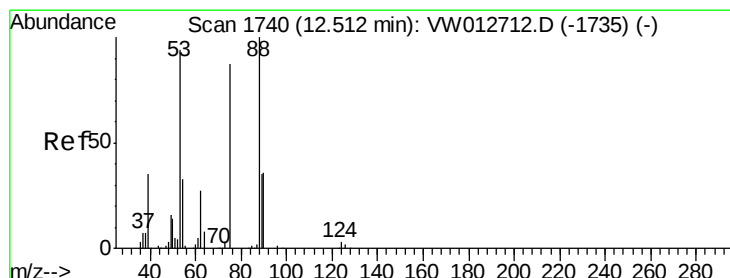
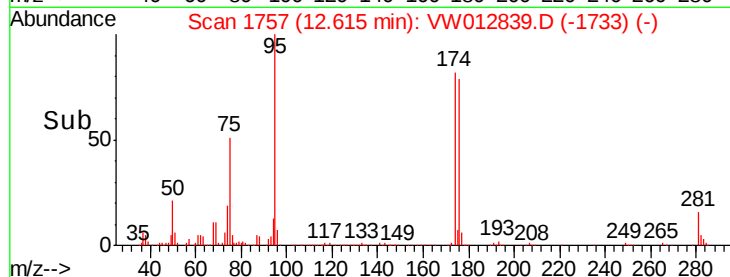
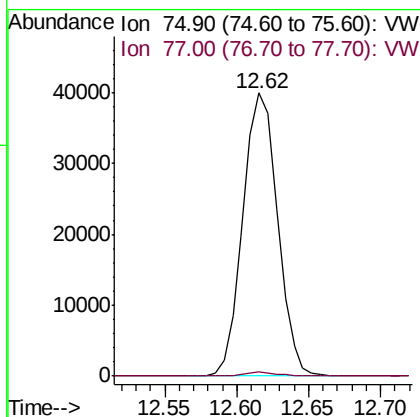
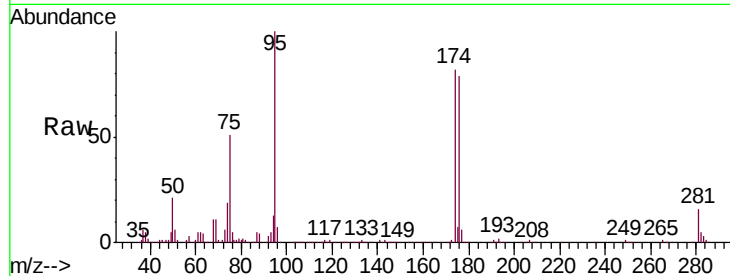




#76
 1,2,3-Trichloropropane
 Concen: 52.708 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW012839.D
 Acq: 09 Sep 2019 23:45

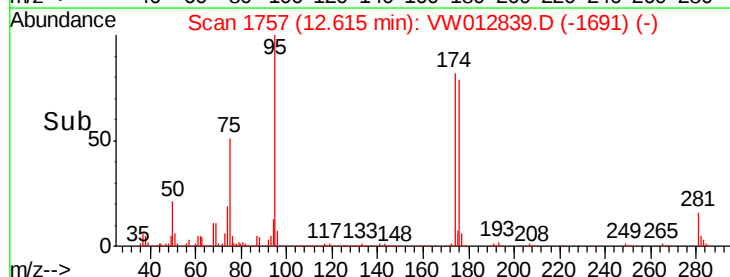
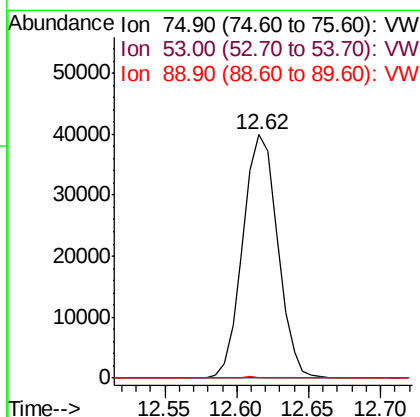
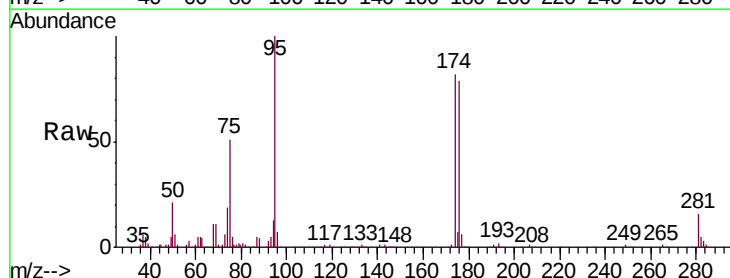
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0909SBL02

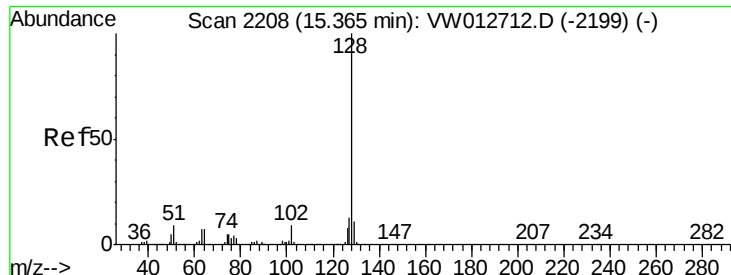
Tgt Ion: 75 Resp: 66947
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 111.481 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012839.D
 Acq: 09 Sep 2019 23:45

Tgt Ion: 75 Resp: 66947
 Ion Ratio Lower Upper
 75 100
 53 0.0 87.6 131.4#
 89 0.2 35.5 53.3#

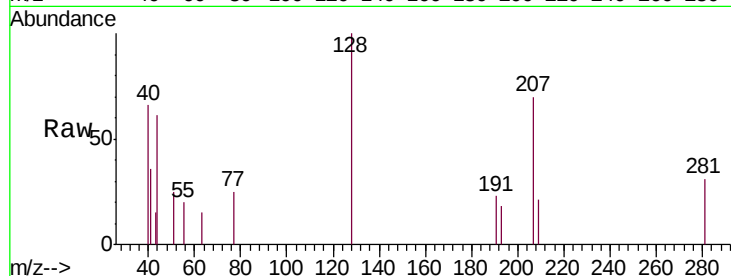




#95
 Naphthalene
 Concen: 4.585 ug/l
 RT: 15.36 min Scan# 2208
 Delta R.T. 0.00 min
 Lab File: VW012839.D
 Acq: 09 Sep 2019 23:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0909SBL02

Tgt Ion:128 Resp: 836
 Ion Ratio Lower Upper
 128 100
 127 2.9 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

