

Data File : VW012725.D
Acq On : 07 Sep 2019 17:46
Operator : SY/VA
Sample : K4554-20
Misc : 5.79G/5ML/MSVOA_W/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-10-(12-14)

Quant Time: Sep 08 05:12:50 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	241952	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	367715	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	298453	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	128731	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	137703	50.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.88%	
35) Dibromofluoromethane	7.88	113	109710	50.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.36%	
50) Toluene-d8	10.32	98	432748	50.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.06%	
62) 4-Bromofluorobenzene	12.62	95	138212	44.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.90%	

Target Compounds

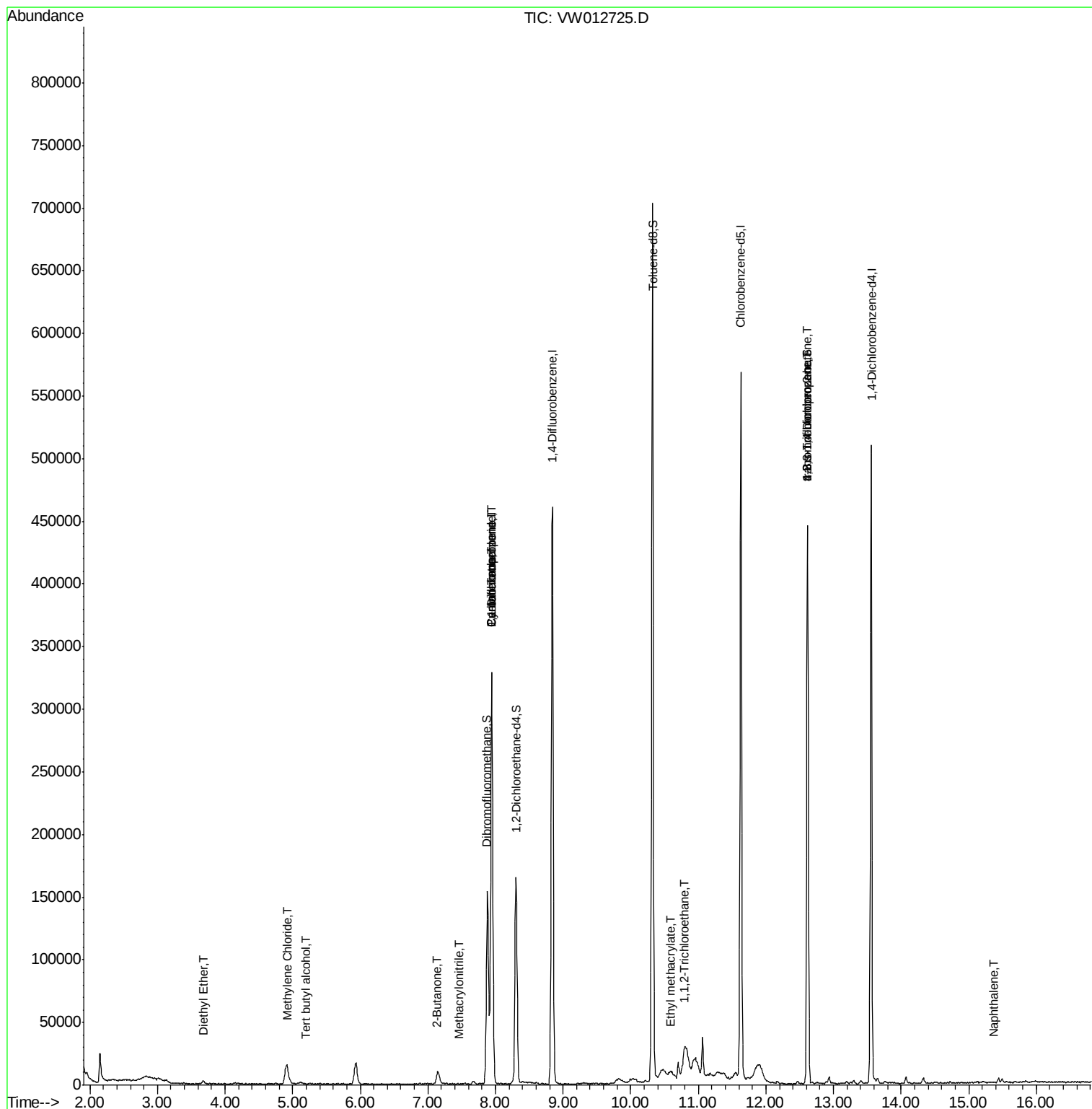
						Qvalue
8) Diethyl Ether	3.67	74	1136	1.002	ug/l	58
11) Tert butyl alcohol	5.19	59	250	1.209	ug/l #	72
20) Methylene Chloride	4.92	84	12090	5.243	ug/l	93
25) 2-Butanone	7.13	43	500	20.105	ug/l #	53
31) Cyclohexane	7.95	56	5881	1.480	ug/l #	12
36) 1,1-Dichloropropene	7.95	75	19834	6.071	ug/l #	51
38) Carbon Tetrachloride	7.95	117	23937	7.432	ug/l #	17
41) Methacrylonitrile	7.46	41	75	3.888	ug/l #	27
55) 1,1,2-Trichloroethane	10.79	97	4214	2.364	ug/l #	15
56) Ethyl methacrylate	10.59	69	4711	1.806	ug/l #	18
76) 1,2,3-Trichloropropane	12.62	75	75471	57.334	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	75471	121.266	ug/l #	6
95) Naphthalene	15.37	128	340	4.496	ug/l #	79

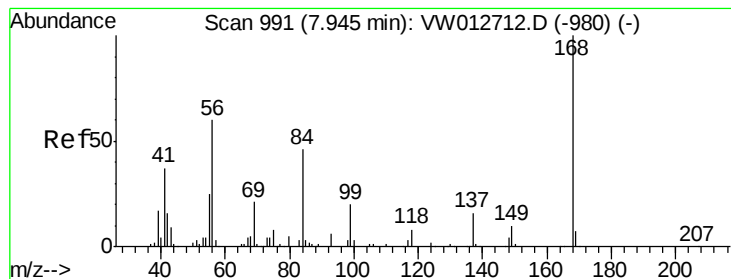
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW012725.D
Acq On : 07 Sep 2019 17:46
Operator : SY/VA
Sample : K4554-20
Misc : 5.79G/5ML/MSVOA_W/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-10-(12-14)

Quant Time: Sep 08 05:12:50 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012725.D

Acq: 07 Sep 2019 17:46

Instrument :

MSVOA_W

ClientSampleId :

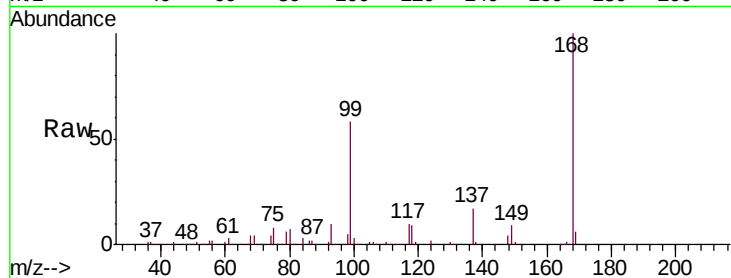
SB-10-(12-14)

Tgt Ion:168 Resp: 241952

Ion Ratio Lower Upper

168 100

99 58.1 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

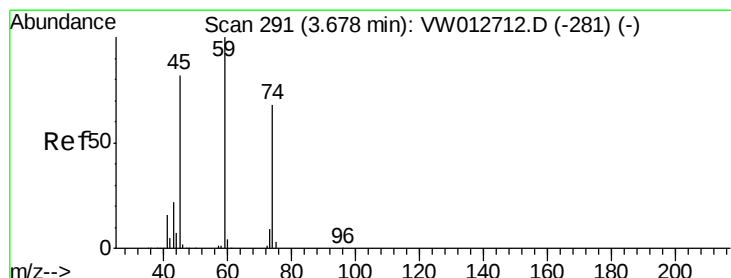
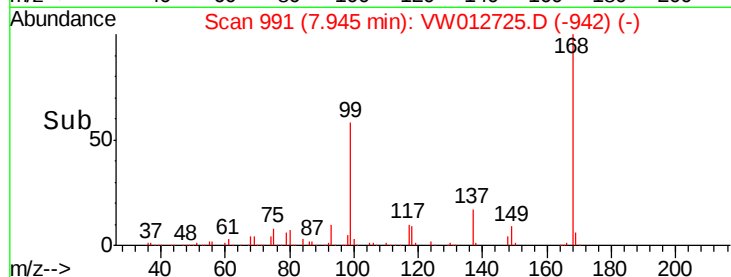
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.002 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012725.D

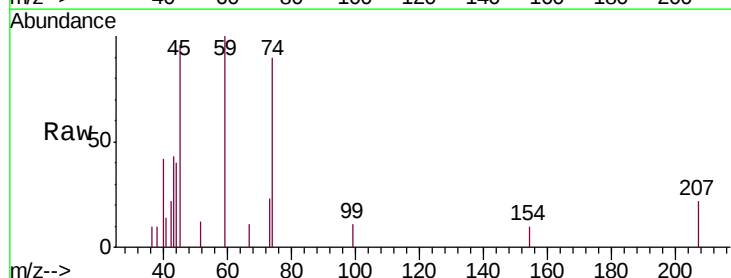
Acq: 07 Sep 2019 17:46

Tgt Ion: 74 Resp: 1136

Ion Ratio Lower Upper

74 100

45 164.1 58.8 176.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

800

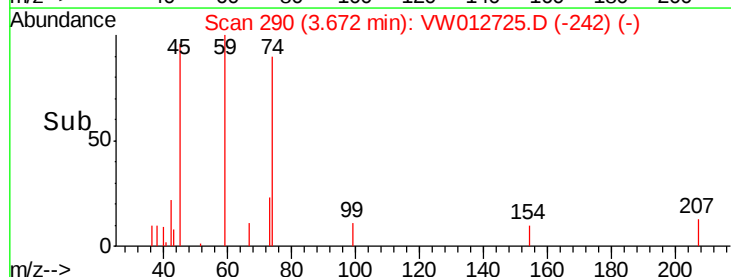
600

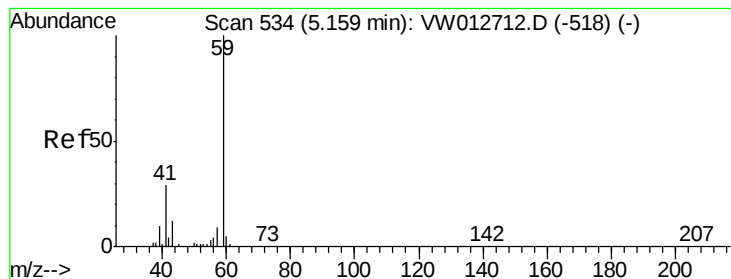
400

200

0

Time-->





#11

Tert butyl alcohol

Concen: 1.209 ug/l

RT: 5.19 min Scan# 539

Delta R.T. 0.03 min

Lab File: VW012725.D

Acq: 07 Sep 2019 17:46

Instrument :

MSVOA_W

ClientSampleId :

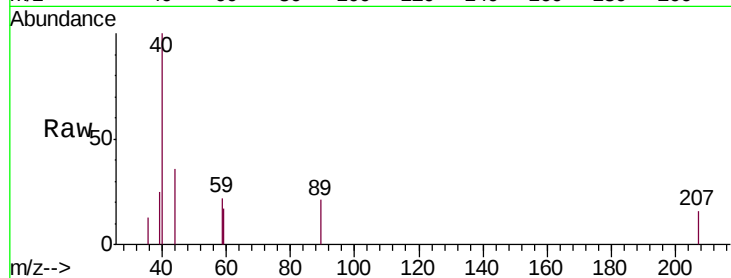
SB-10-(12-14)

Tgt Ion: 59 Resp: 250

Ion Ratio Lower Upper

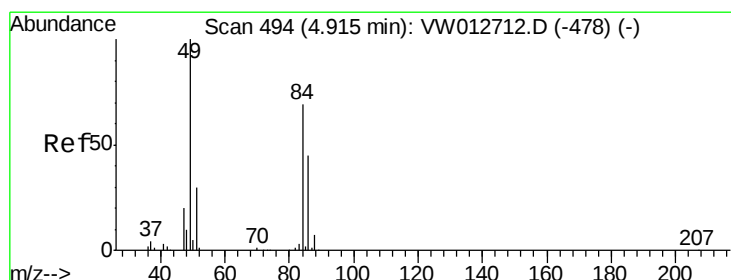
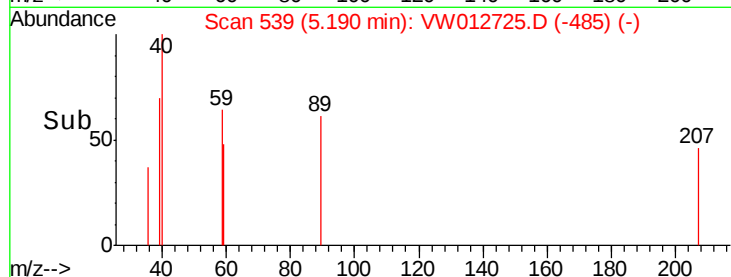
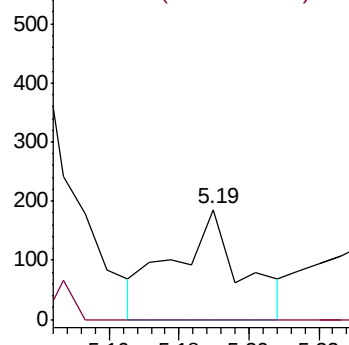
59 100

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



#20

Methylene Chloride

Concen: 5.243 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW012725.D

Acq: 07 Sep 2019 17:46

Tgt Ion: 84 Resp: 12090

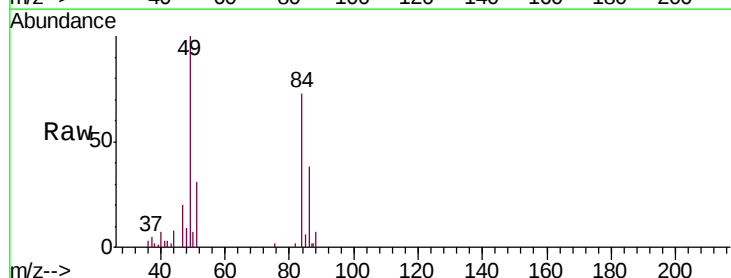
Ion Ratio Lower Upper

84 100

49 137.6 115.4 173.0

51 42.9 34.9 52.3

86 52.7 52.2 78.4

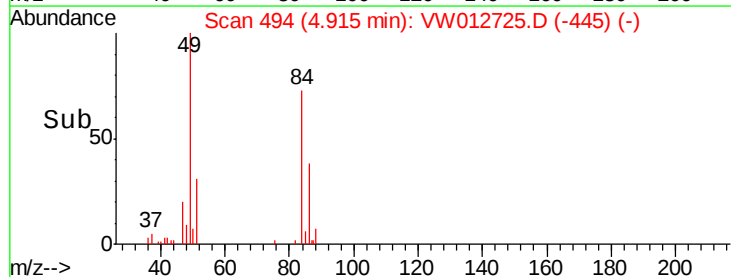
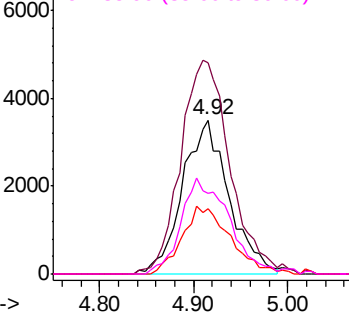


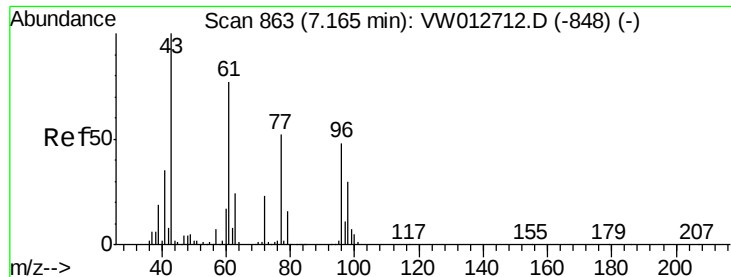
Abundance Ion 83.90 (83.60 to 84.60): VW

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

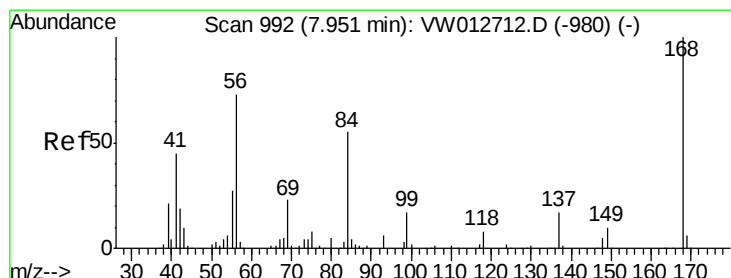
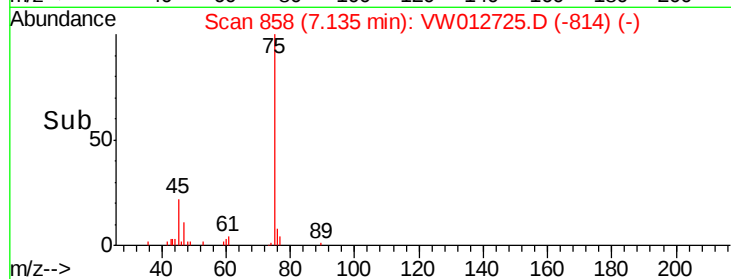
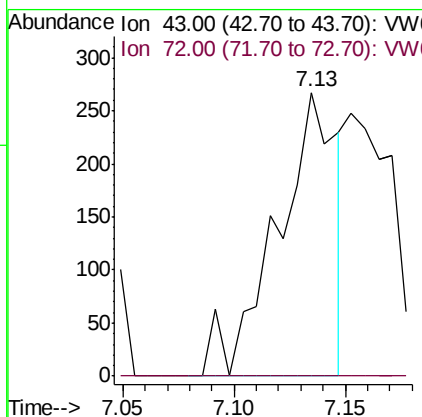
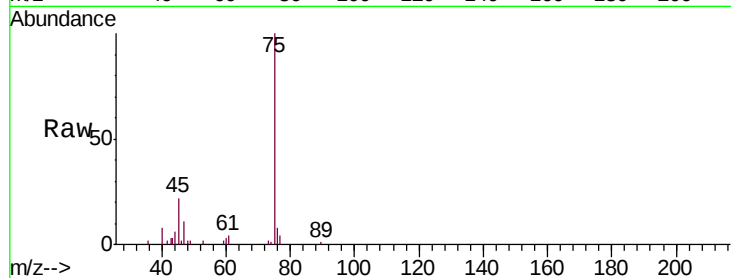




#25
2-Butanone
Concen: 20.105 ug/l
RT: 7.13 min Scan# 858
Delta R.T. -0.03 min
Lab File: VW012725.D
Acq: 07 Sep 2019 17:46

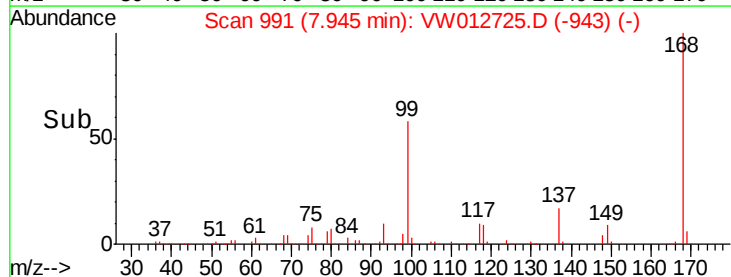
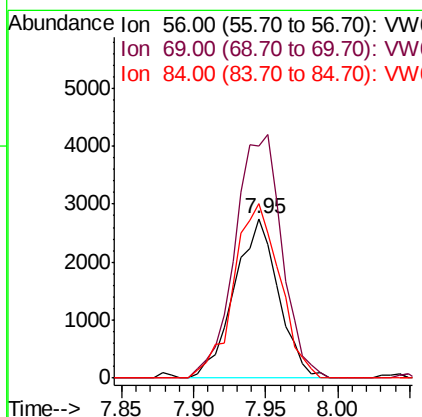
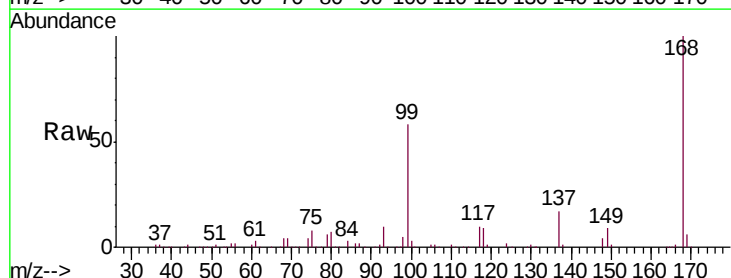
Instrument :
MSVOA_W
ClientSampleId :
SB-10-(12-14)

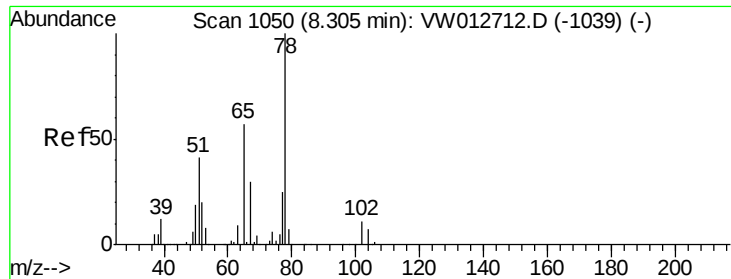
Tgt Ion: 43 Resp: 500
Ion Ratio Lower Upper
43 100
72 0.0 18.0 27.0#



#31
Cyclohexane
Concen: 1.480 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012725.D
Acq: 07 Sep 2019 17:46

Tgt Ion: 56 Resp: 5881
Ion Ratio Lower Upper
56 100
69 145.3 25.7 38.5#
84 109.3 60.4 90.6#

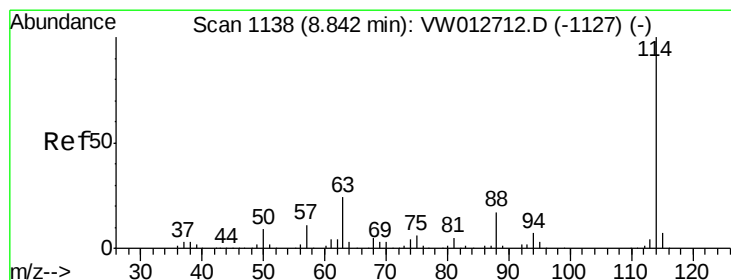
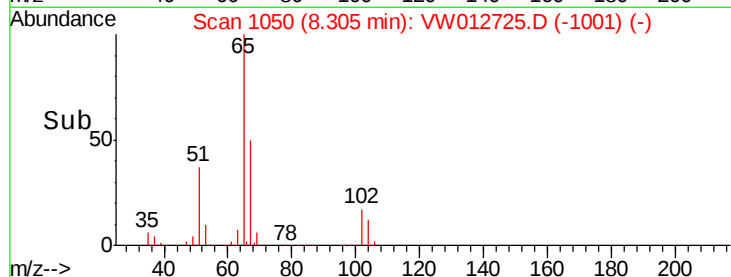
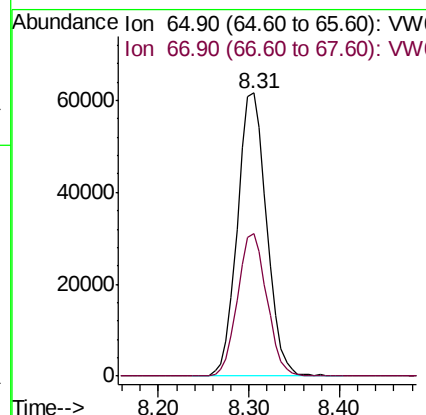
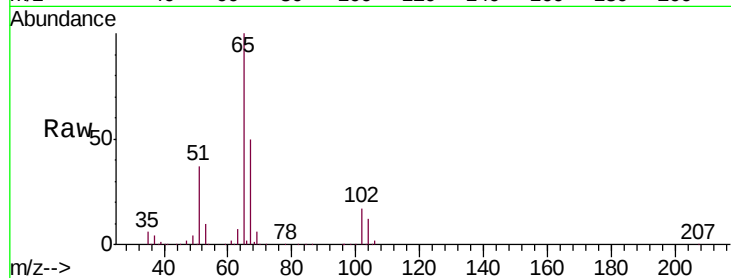




#33
 1,2-Dichloroethane-d4
 Concen: 50.937 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012725.D
 Acq: 07 Sep 2019 17:46

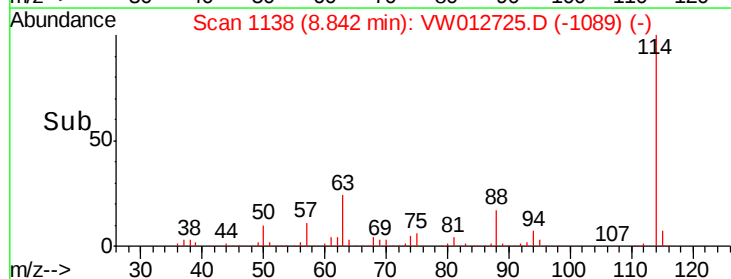
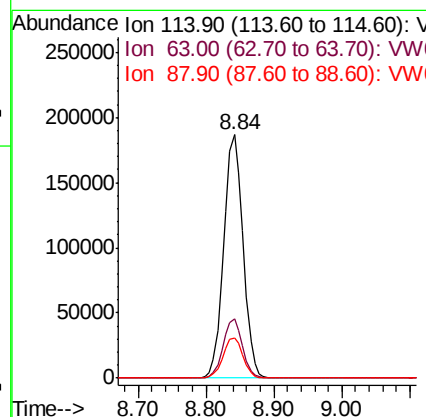
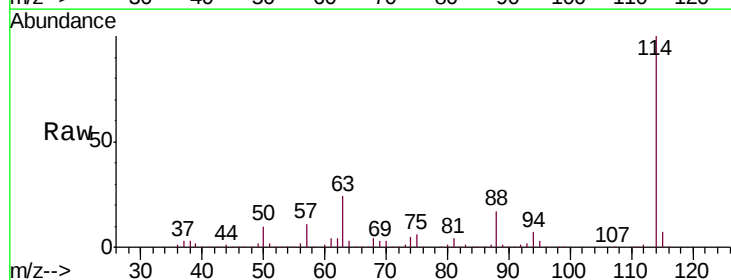
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-10-(12-14)

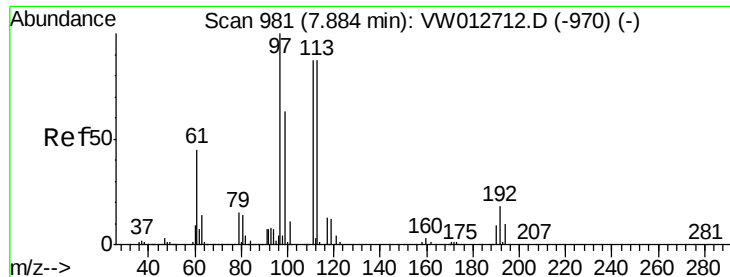
Tgt Ion: 65 Resp: 137703
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012725.D
 Acq: 07 Sep 2019 17:46

Tgt Ion: 114 Resp: 367715
 Ion Ratio Lower Upper
 114 100
 63 24.4 0.0 47.2
 88 16.7 0.0 34.0





#35

Dibromofluoromethane

Concen: 50.184 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012725.D

Acq: 07 Sep 2019 17:46

Instrument :

MSVOA_W

ClientSampleId :

SB-10-(12-14)

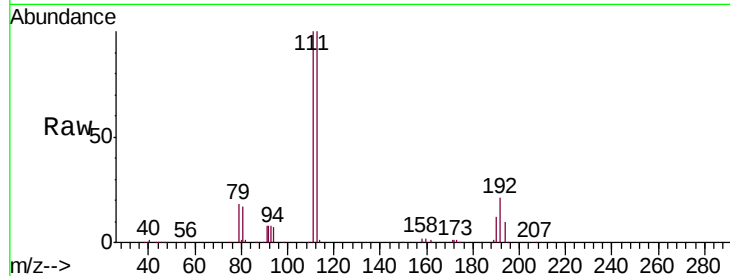
Tgt Ion:113 Resp: 109710

Ion Ratio Lower Upper

113 100

111 103.0 80.2 120.4

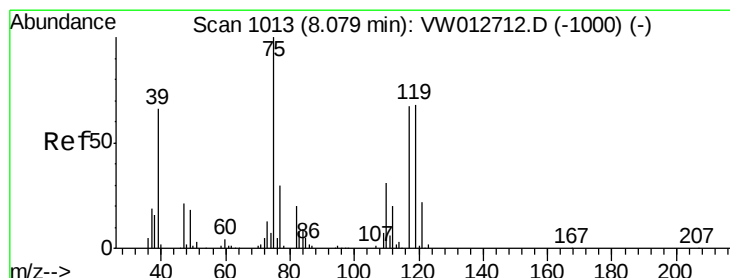
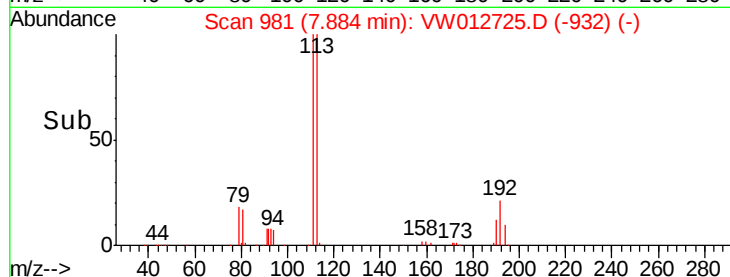
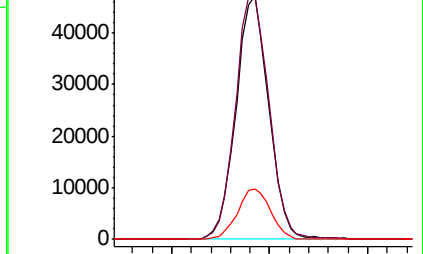
192 21.0 17.3 25.9



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: 6.071 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012725.D

Acq: 07 Sep 2019 17:46

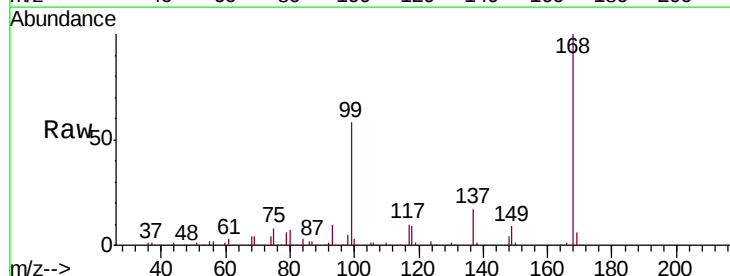
Tgt Ion: 75 Resp: 19834

Ion Ratio Lower Upper

75 100

110 8.1 15.9 47.7#

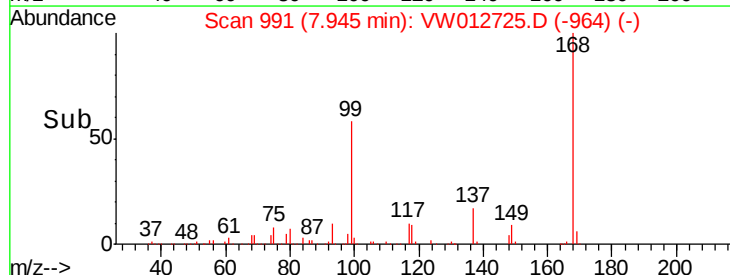
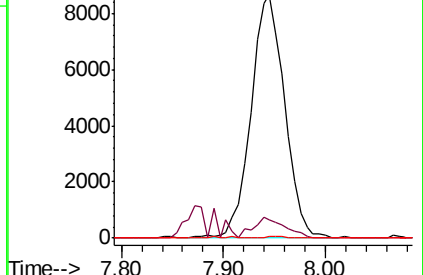
77 0.4 25.0 37.4#

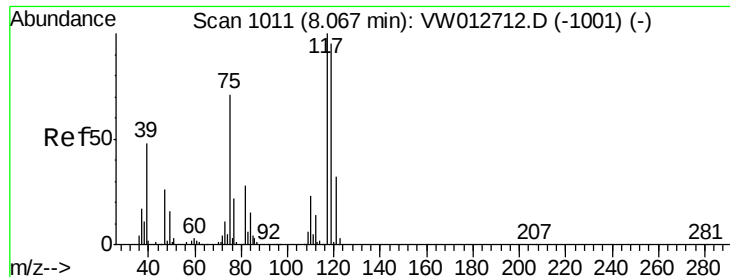


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 7.432 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012725.D

Acq: 07 Sep 2019 17:46

Instrument :

MSVOA_W

ClientSampleId :

SB-10-(12-14)

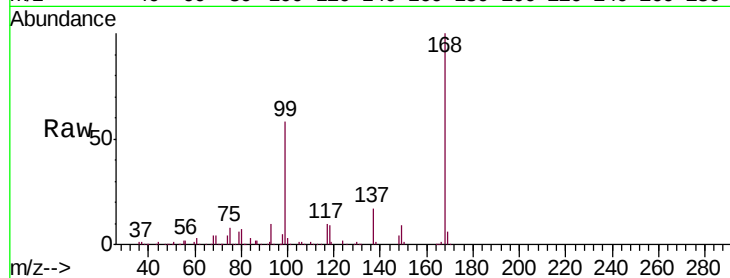
Tgt Ion: 117 Resp: 23937

Ion Ratio Lower Upper

117 100

119 6.4 76.2 114.2#

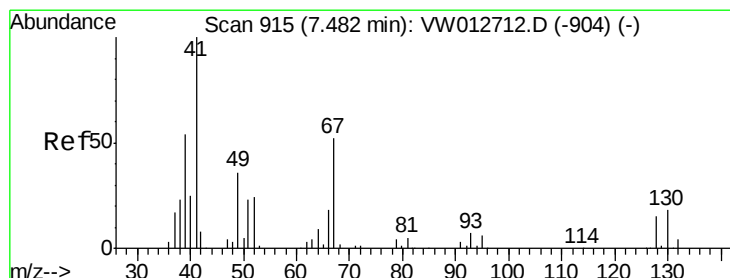
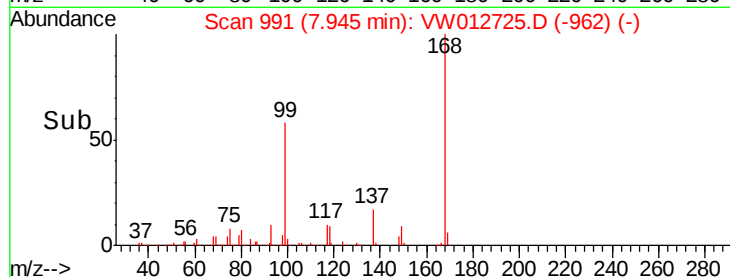
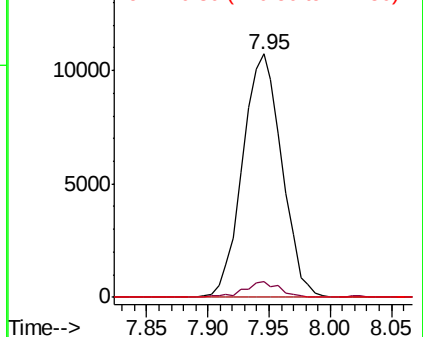
121 0.0 25.4 38.2#



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: 3.888 ug/l

RT: 7.46 min Scan# 911

Delta R.T. -0.02 min

Lab File: VW012725.D

Acq: 07 Sep 2019 17:46

Tgt Ion: 41 Resp: 75

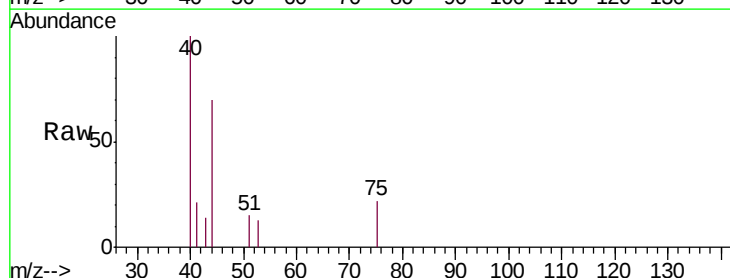
Ion Ratio Lower Upper

41 100

39 0.0 47.5 71.3#

67 0.0 45.1 67.7#

52 0.0 20.2 30.2#

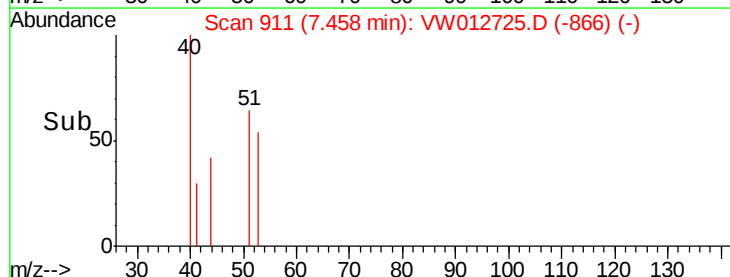
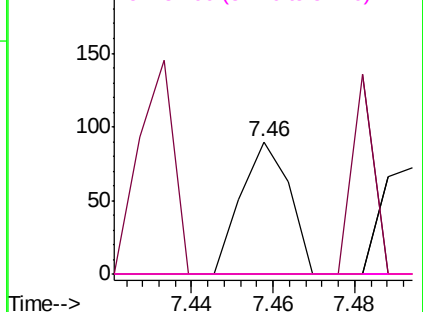


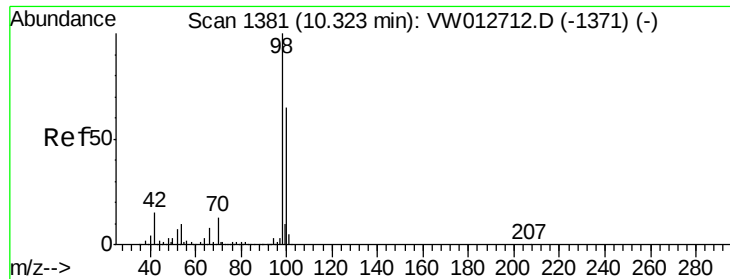
Abundance Ion 41.00 (40.70 to 41.70): VV

Ion 39.00 (38.70 to 39.70): VV

Ion 67.00 (66.70 to 67.70): VV

Ion 52.00 (51.70 to 52.70): VV





#50

Toluene-d8

Concen: 50.526 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012725.D

Acq: 07 Sep 2019 17:46

Instrument :

MSVOA_W

ClientSampleId :

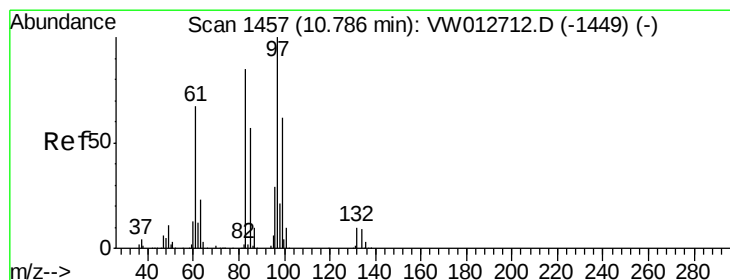
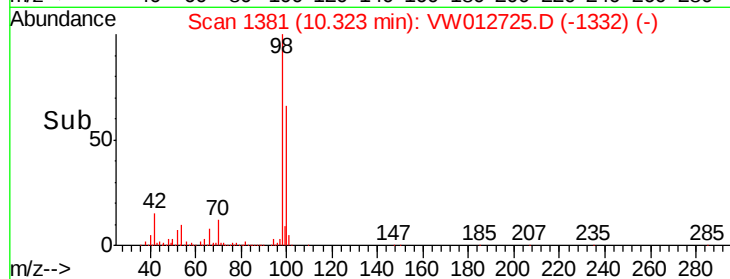
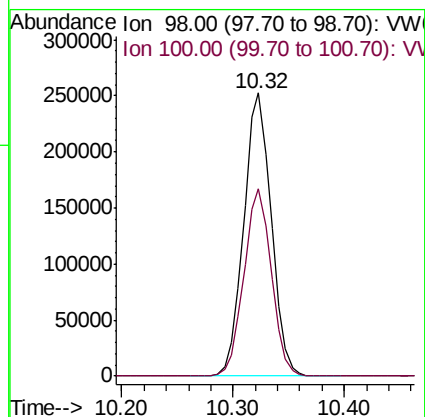
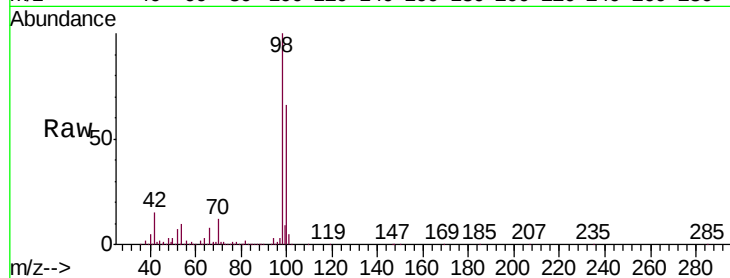
SB-10-(12-14)

Tgt Ion: 98 Resp: 432748

Ion Ratio Lower Upper

98 100

100 66.0 52.2 78.4



#55

1,1,2-Trichloroethane

Concen: 2.364 ug/l

RT: 10.79 min Scan# 1458

Delta R.T. 0.01 min

Lab File: VW012725.D

Acq: 07 Sep 2019 17:46

Tgt Ion: 97 Resp: 4214

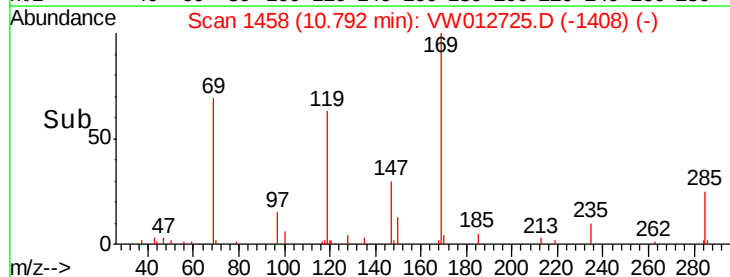
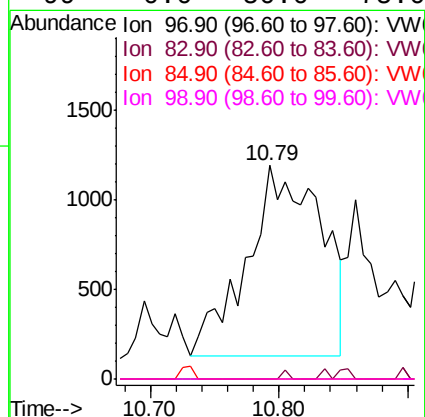
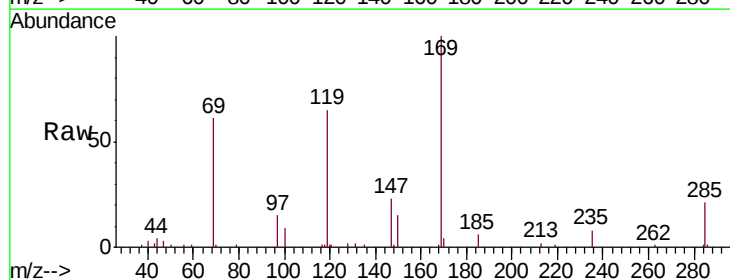
Ion Ratio Lower Upper

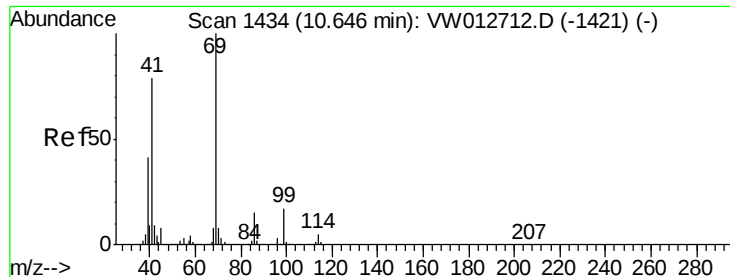
97 100

83 0.0 68.1 102.1#

85 0.0 45.3 67.9#

99 0.0 50.0 75.0#





#56

Ethyl methacrylate

Concen: 1.806 ug/l

RT: 10.59 min Scan# 1424

Delta R.T. -0.06 min

Lab File: VW012725.D

Acq: 07 Sep 2019 17:46

Instrument :

MSVOA_W

ClientSampleId :

SB-10-(12-14)

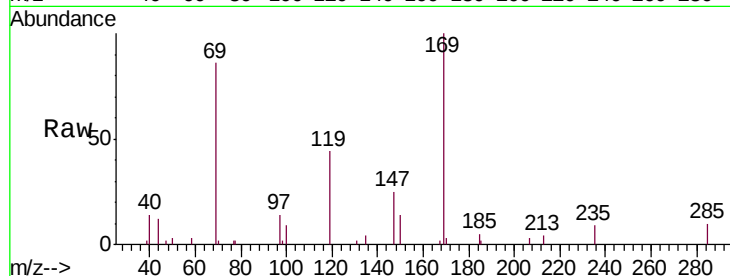
Tgt Ion: 69 Resp: 4711

Ion Ratio Lower Upper

69 100

41 0.0 64.4 96.6#

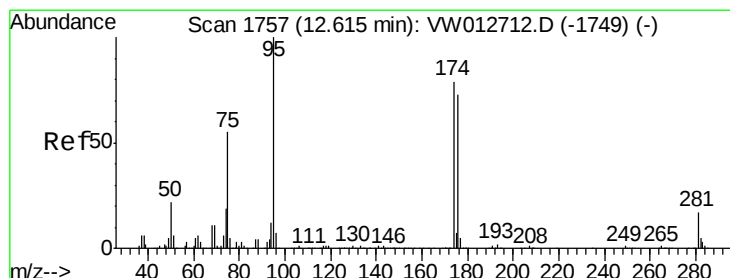
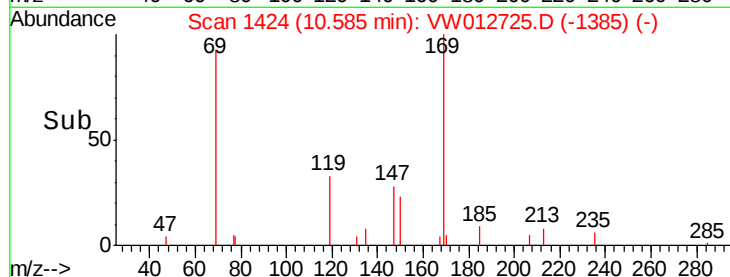
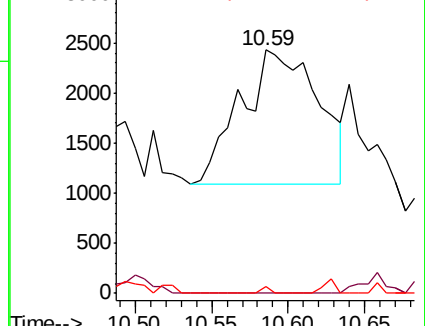
39 0.5 31.1 46.7#



Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW



#62

4-Bromofluorobenzene

Concen: 44.451 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012725.D

Acq: 07 Sep 2019 17:46

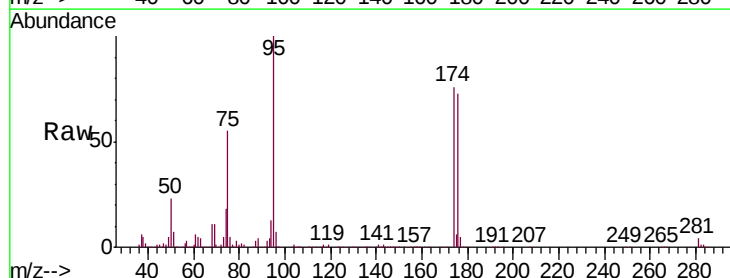
Tgt Ion: 95 Resp: 138212

Ion Ratio Lower Upper

95 100

174 81.0 0.0 161.0

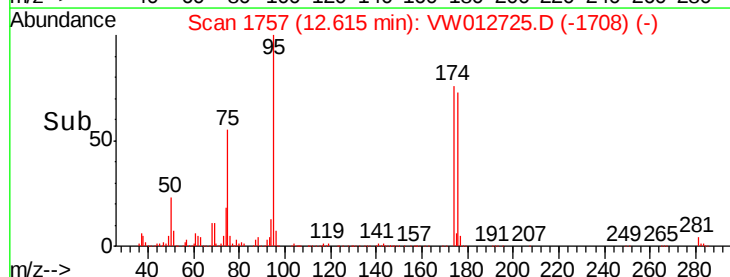
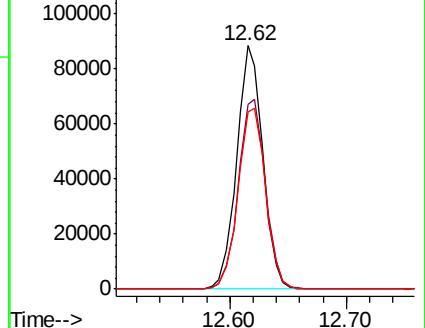
176 78.0 0.0 156.4

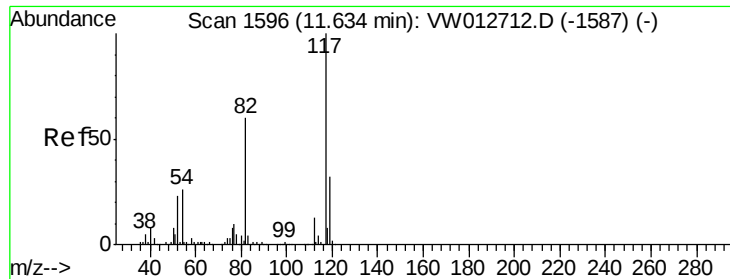


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

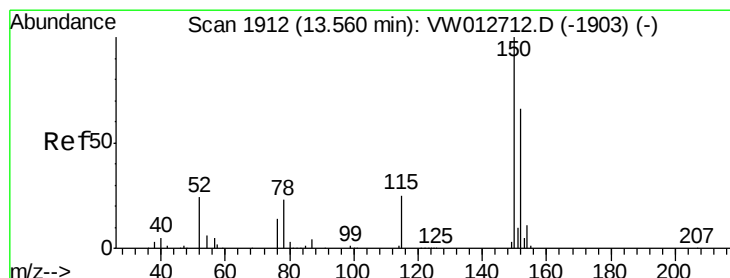
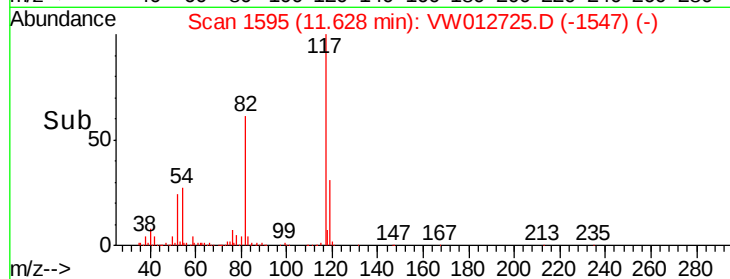
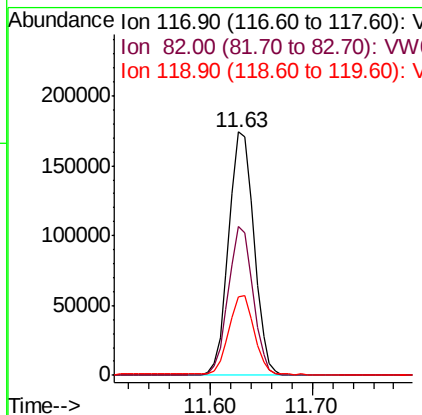
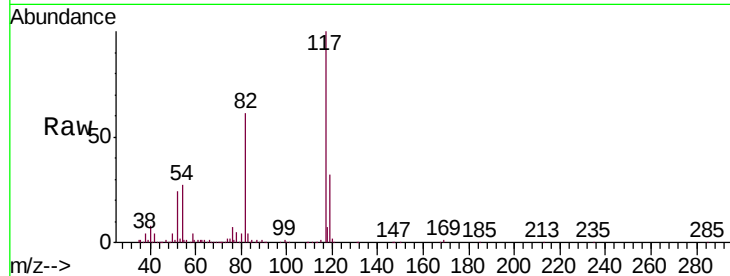




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012725.D
Acq: 07 Sep 2019 17:46

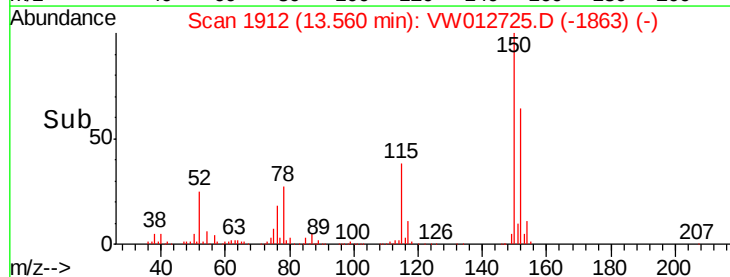
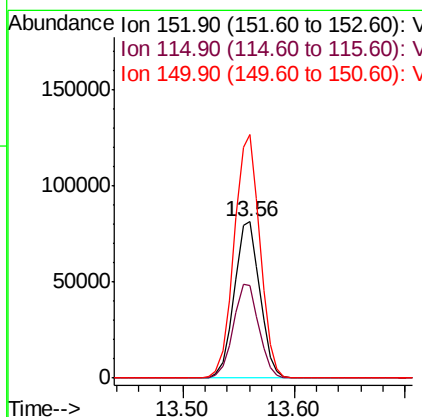
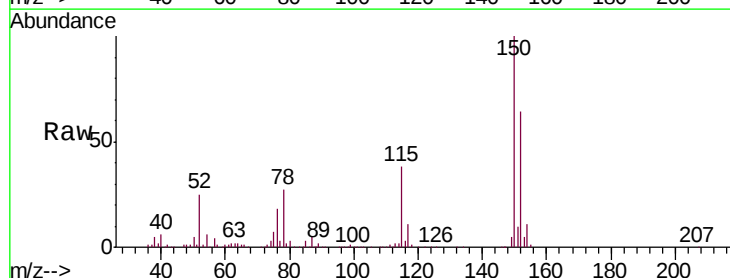
Instrument :
MSVOA_W
ClientSampleId :
SB-10-(12-14)

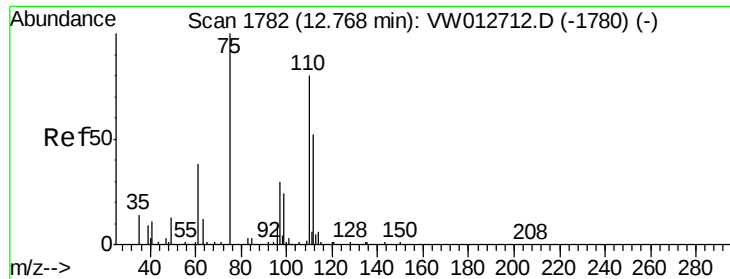
Tgt Ion	Resp	Lower	Upper
117	298453		
82	61.2	48.2	72.4
119	31.8	25.8	38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012725.D
Acq: 07 Sep 2019 17:46

Tgt Ion	Resp	Lower	Upper
152	128731		
115	60.3	30.0	90.1
150	157.0	0.0	349.0





#76

1,2,3-Trichloropropane

Concen: 57.334 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012725.D

Acq: 07 Sep 2019 17:46

Instrument :

MSVOA_W

ClientSampled :

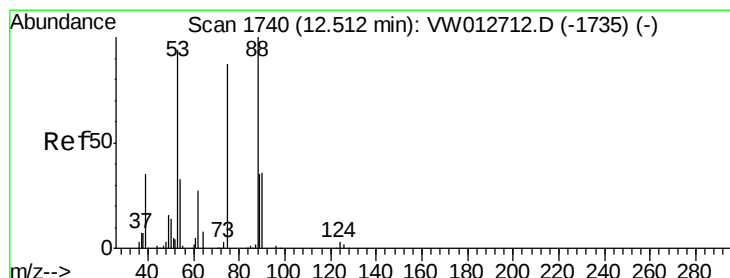
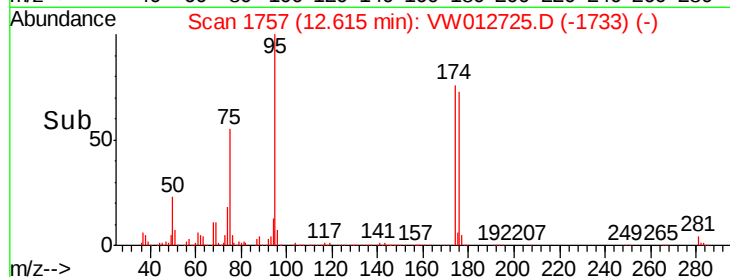
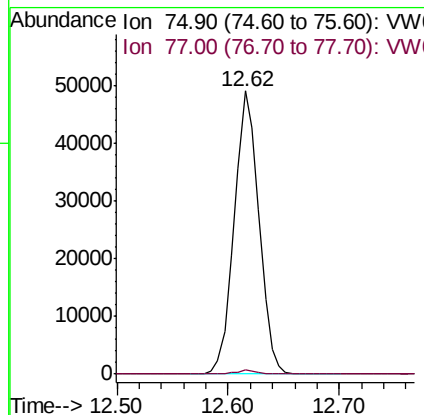
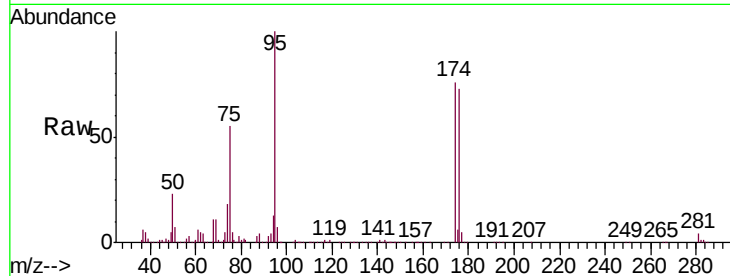
SB-10-(12-14)

Tgt Ion: 75 Resp: 75471

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 121.266 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012725.D

Acq: 07 Sep 2019 17:46

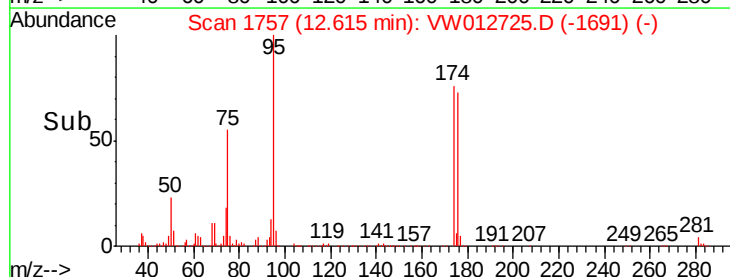
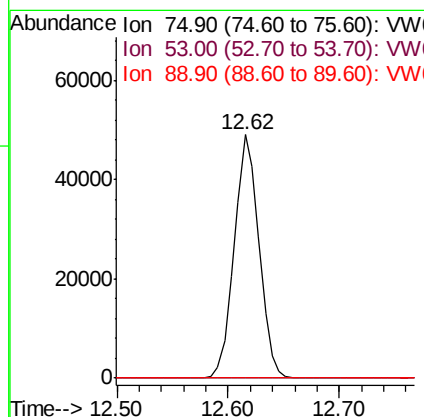
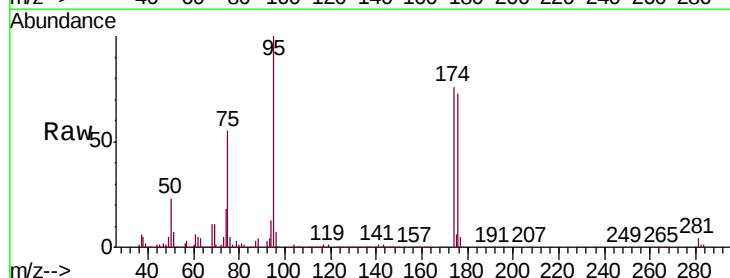
Tgt Ion: 75 Resp: 75471

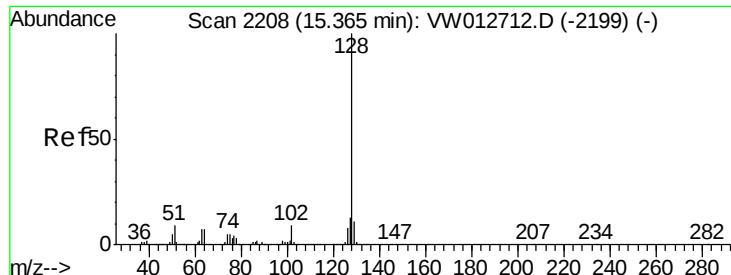
Ion Ratio Lower Upper

75 100

53 0.1 87.6 131.4#

89 0.1 35.5 53.3#





#95

Naphthalene

Concen: 4.496 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012725.D

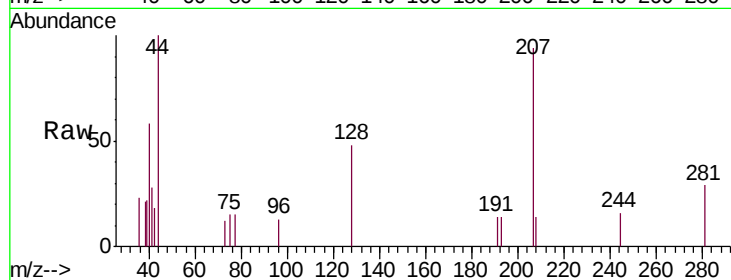
Acq: 07 Sep 2019 17:46

Instrument :

MSVOA_W

ClientSampleId :

SB-10-(12-14)



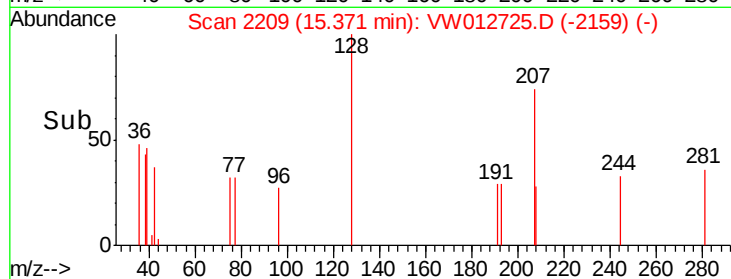
Tgt Ion:128 Resp: 340

Ion Ratio Lower Upper

128 100

127 7.4 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

