

Data File : VW012724.D
Acq On : 07 Sep 2019 17:21
Operator : SY/VA
Sample : K4554-19
Misc : 3.84G/5ML/MSVOA_W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-10-(0-2)

Quant Time: Sep 08 05:12:33 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	252528	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	393461	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	319175	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	130331	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	146384	51.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.76%	
35) Dibromofluoromethane	7.88	113	116028	49.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.20%	
50) Toluene-d8	10.32	98	462416	50.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.92%	
62) 4-Bromofluorobenzene	12.62	95	144234	43.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.70%	

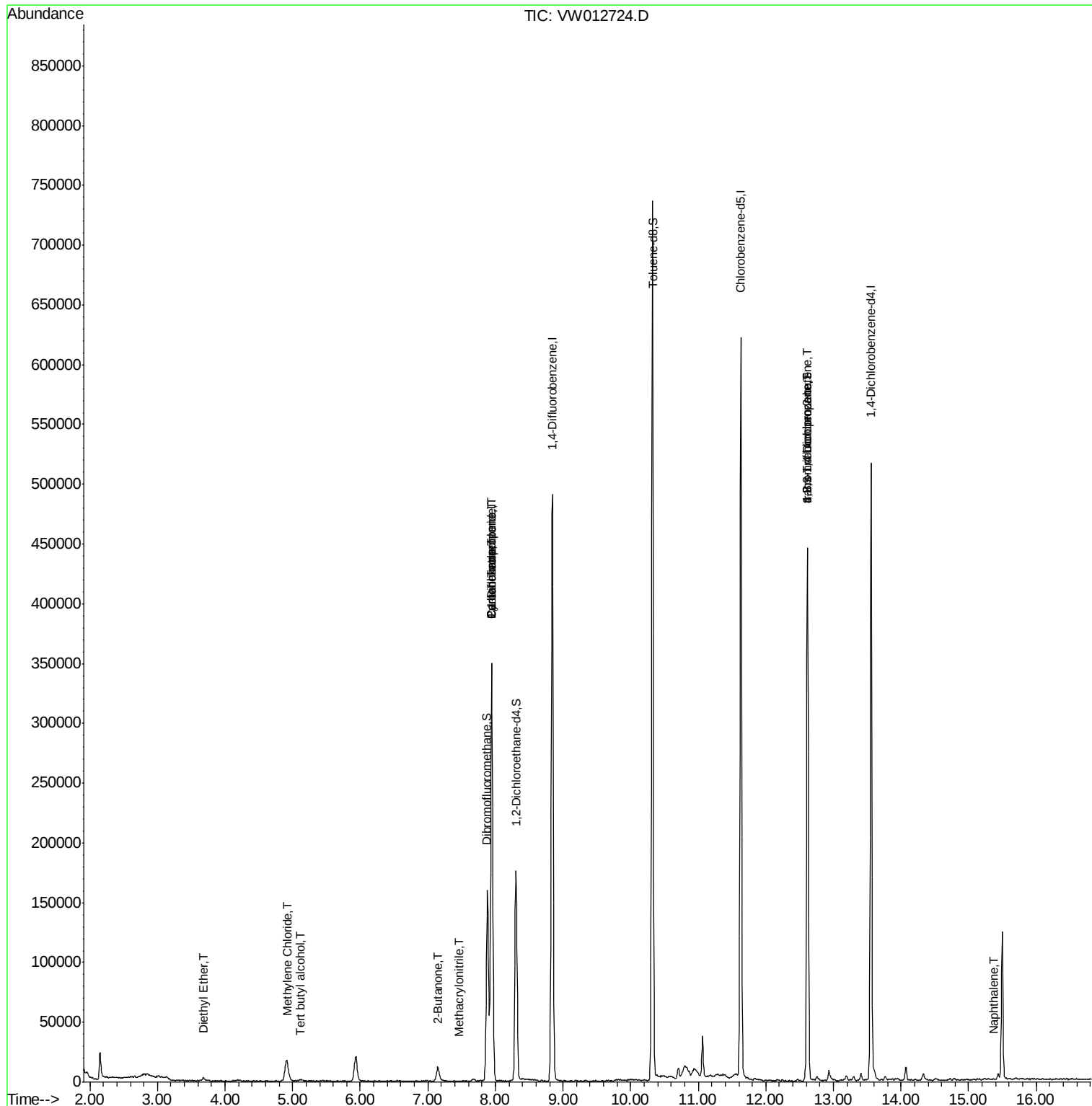
Target Compounds			Qvalue			
8) Diethyl Ether	3.68	74	1266	1.070	ug/l	72
11) Tert butyl alcohol	5.12	59	624	2.890	ug/l #	81
20) Methylene Chloride	4.92	84	13685	5.687	ug/l	91
25) 2-Butanone	7.16	43	848	20.370	ug/l #	53
31) Cyclohexane	7.95	56	6088	1.468	ug/l #	6
36) 1,1-Dichloropropene	7.95	75	20908	5.981	ug/l #	51
38) Carbon Tetrachloride	7.95	117	25520	7.405	ug/l #	16
41) Methacrylonitrile	7.46	41	69	3.881	ug/l #	27
76) 1,2,3-Trichloropropane	12.62	75	76581	57.463	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	76581	121.539	ug/l #	6
95) Naphthalene	15.37	128	496	4.522	ug/l #	75

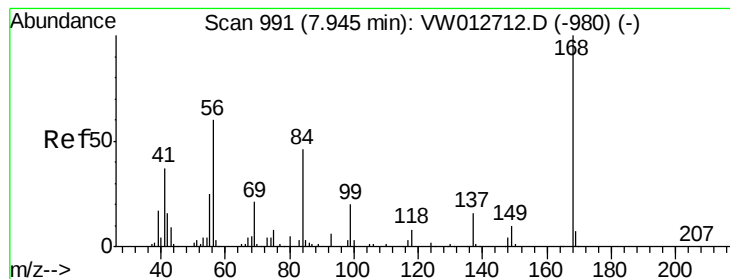
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012724.D

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Instrument :

MSVOA_W

ClientSampleId :

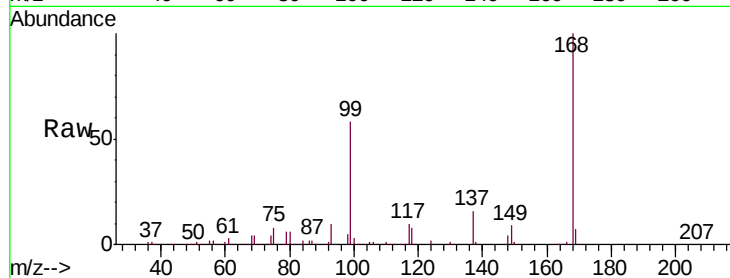
SB-10-(0-2)

Tgt Ion:168 Resp: 252528

Ion Ratio Lower Upper

168 100

99 58.0 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

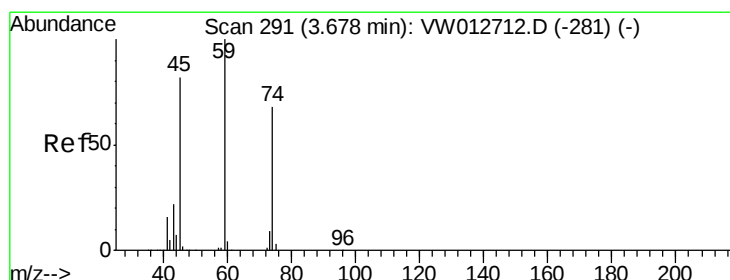
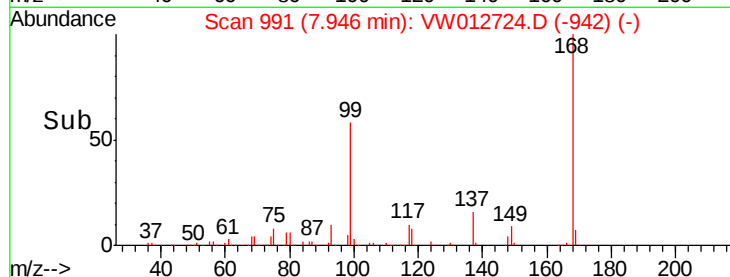
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.070 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW012724.D

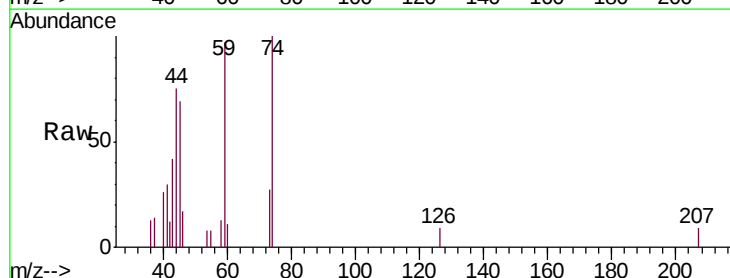
Acq: 07 Sep 2019 17:21

Tgt Ion: 74 Resp: 1266

Ion Ratio Lower Upper

74 100

45 147.9 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

800

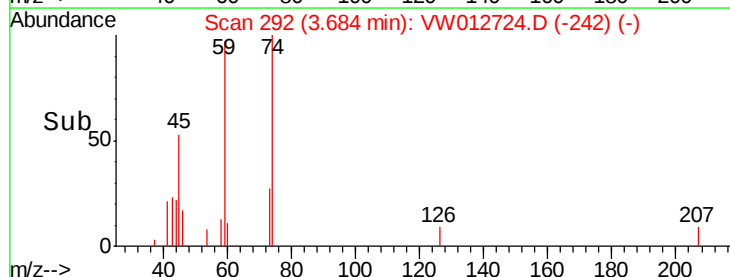
600

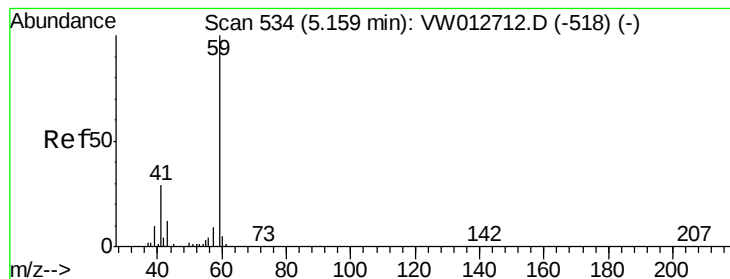
400

200

0

Time--> 3.60 3.65 3.70 3.75



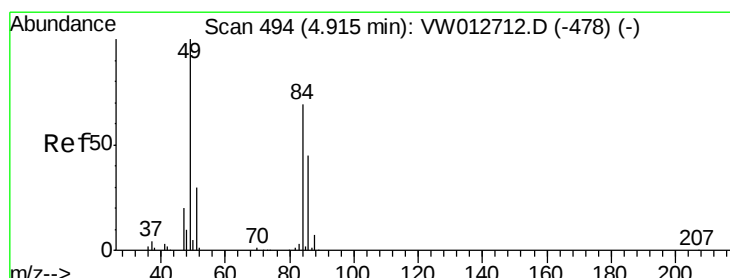
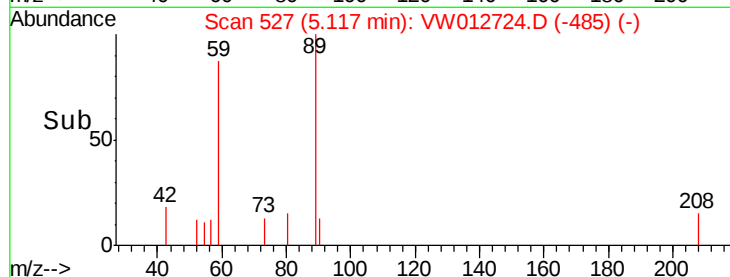
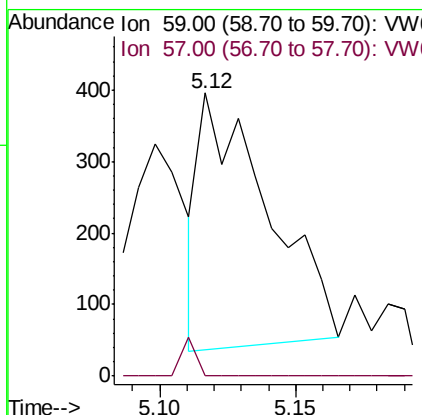
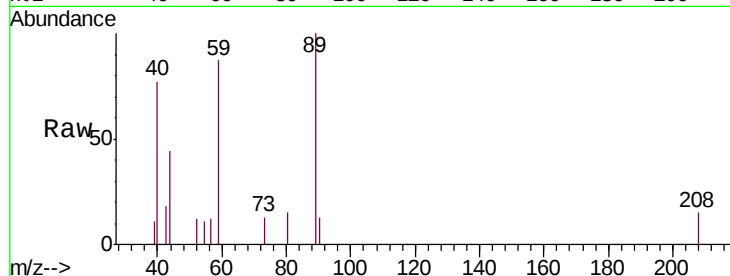


#11

Tert butyl alcohol
 Concen: 2.890 ug/l
 RT: 5.12 min Scan# 527
 Delta R.T. -0.04 min
 Lab File: VW012724.D
 Acq: 07 Sep 2019 17:21

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-10-(0-2)

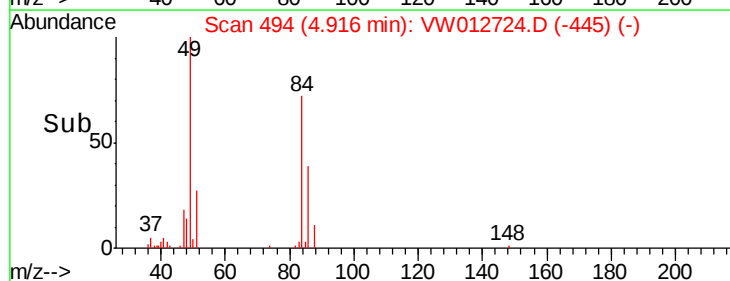
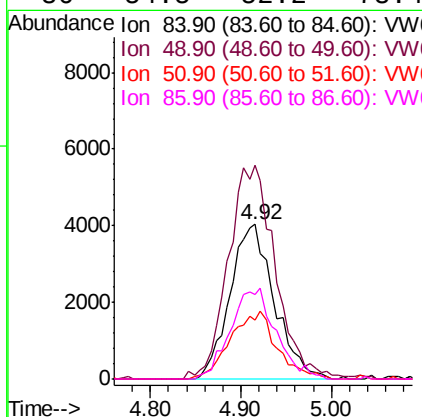
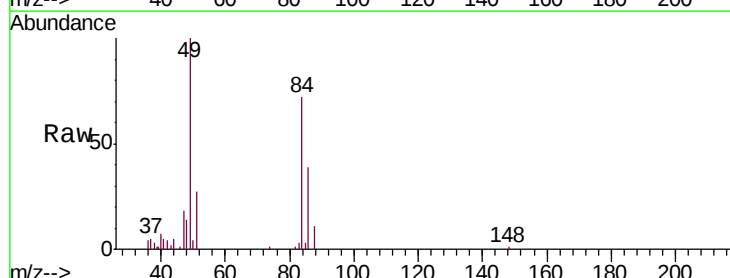
Tgt Ion: 59 Resp: 624
 Ion Ratio Lower Upper
 59 100
 57 3.2 8.2 12.4#

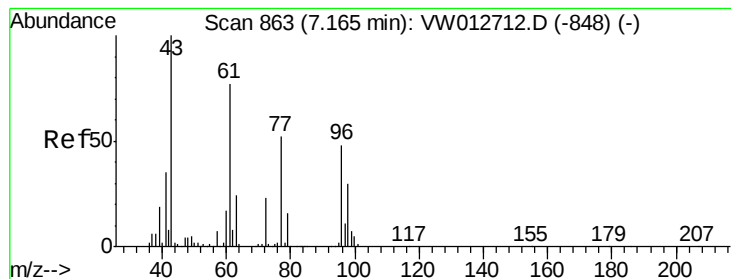


#20

Methylene Chloride
 Concen: 5.687 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VW012724.D
 Acq: 07 Sep 2019 17:21

Tgt Ion: 84 Resp: 13685
 Ion Ratio Lower Upper
 84 100
 49 135.7 115.4 173.0
 51 37.7 34.9 52.3
 86 54.5 52.2 78.4





#25

2-Butanone

Concen: 20.370 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW012724.D

Acq: 07 Sep 2019 17:21

Instrument :

MSVOA_W

ClientSampleId :

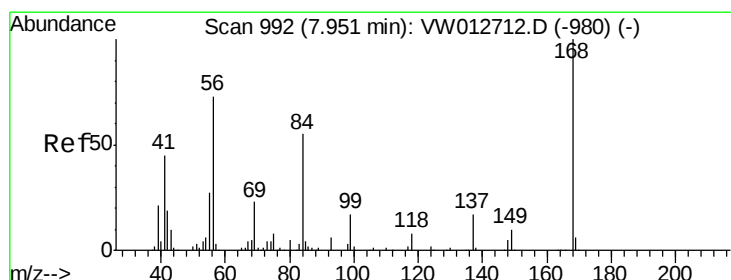
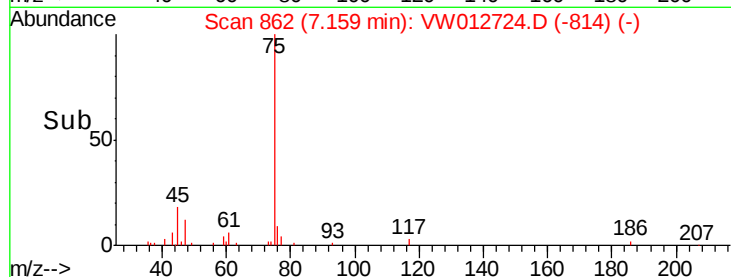
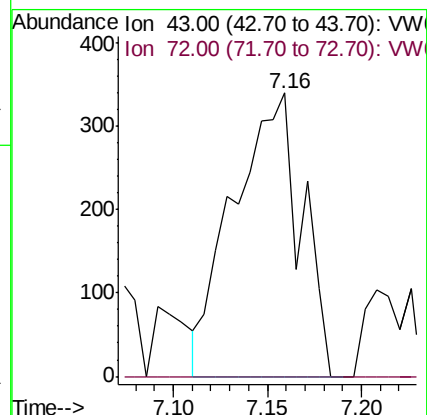
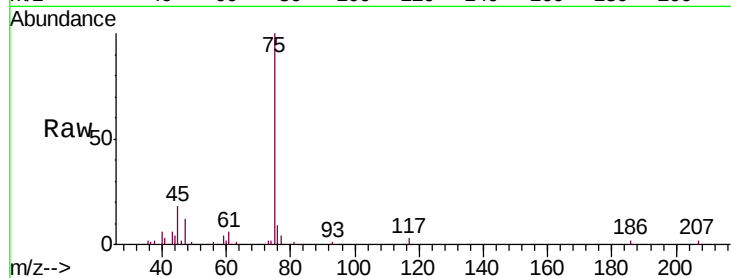
SB-10-(0-2)

Tgt Ion: 43 Resp: 848

Ion Ratio Lower Upper

43 100

72 0.0 18.0 27.0#



#31

Cyclohexane

Concen: 1.468 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012724.D

Acq: 07 Sep 2019 17:21

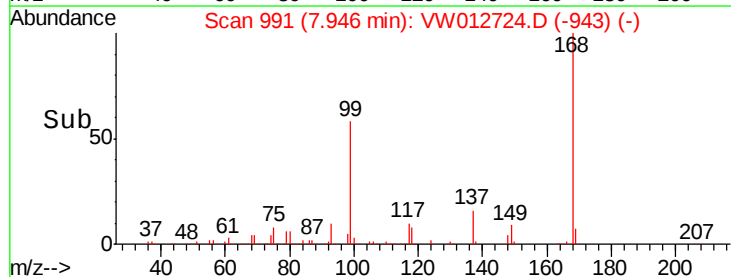
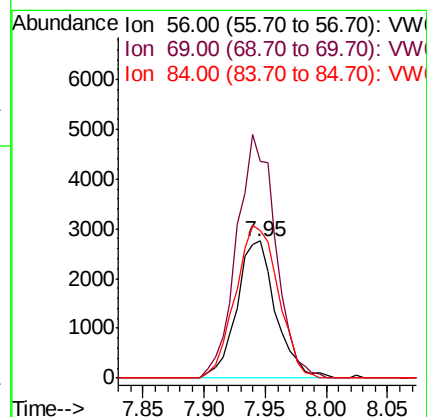
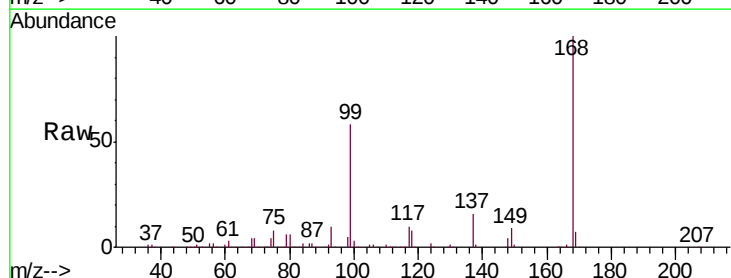
Tgt Ion: 56 Resp: 6088

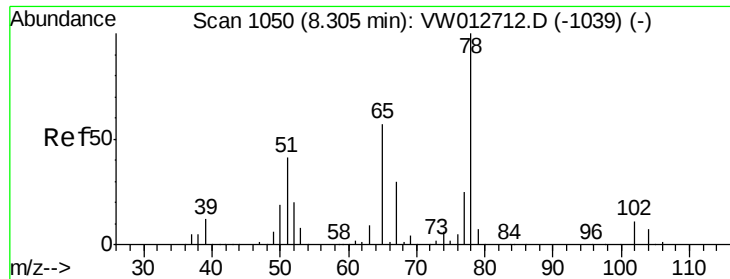
Ion Ratio Lower Upper

56 100

69 158.7 25.7 38.5#

84 107.6 60.4 90.6#

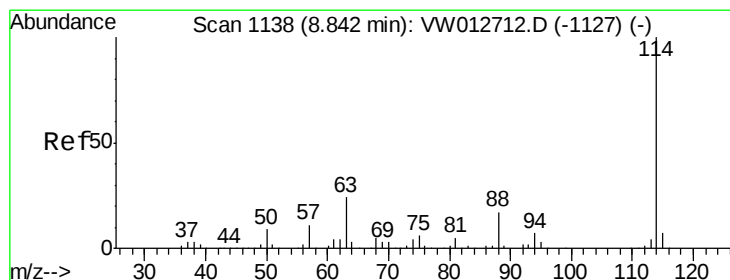
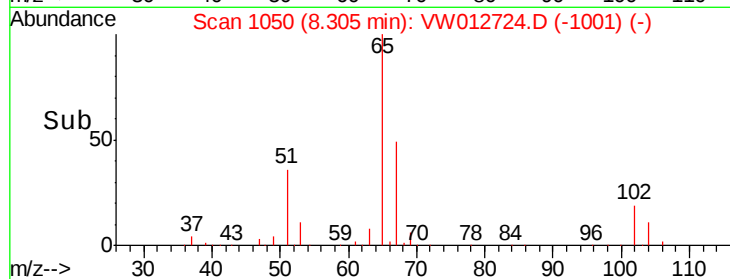
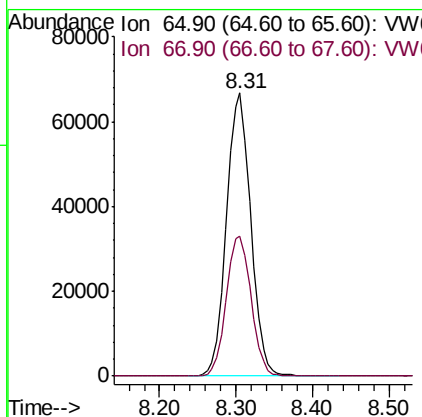
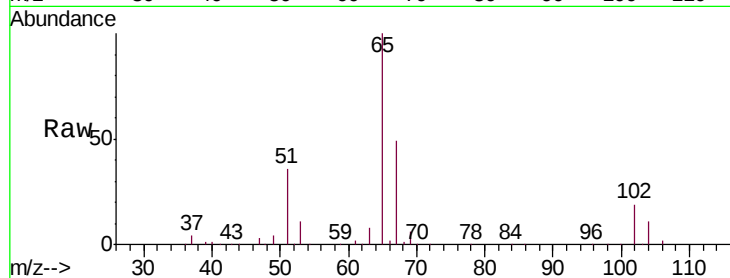




#33
 1,2-Dichloroethane-d4
 Concen: 51.880 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW012724.D
 Acq: 07 Sep 2019 17:21

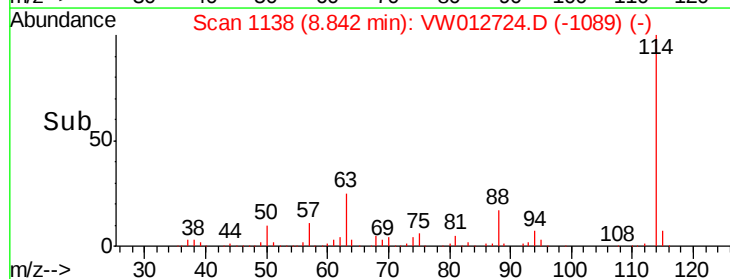
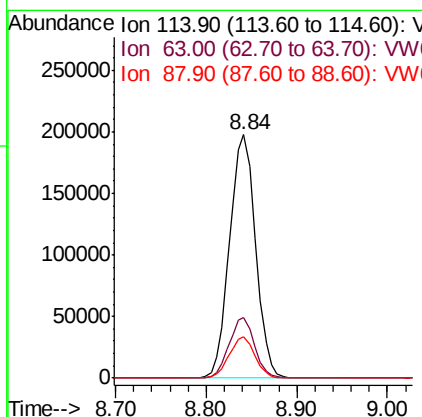
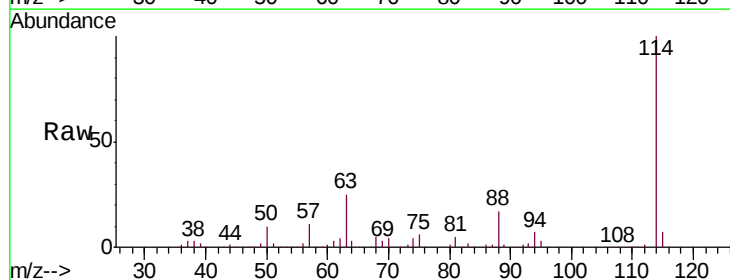
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-10-(0-2)

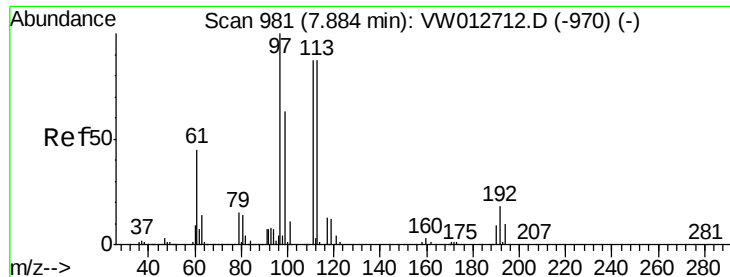
Tgt Ion: 65 Resp: 146384
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012724.D
 Acq: 07 Sep 2019 17:21

Tgt Ion: 114 Resp: 393461
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 47.2
 88 17.2 0.0 34.0

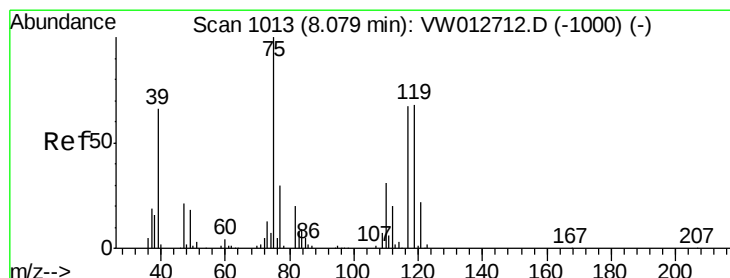
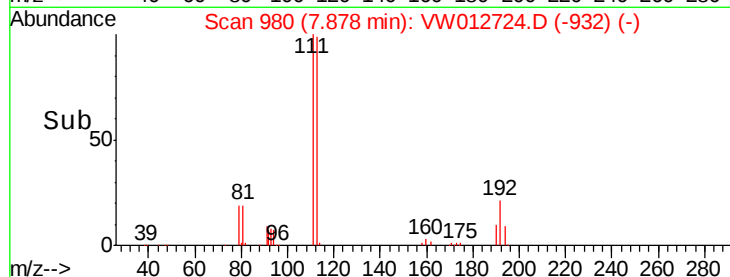
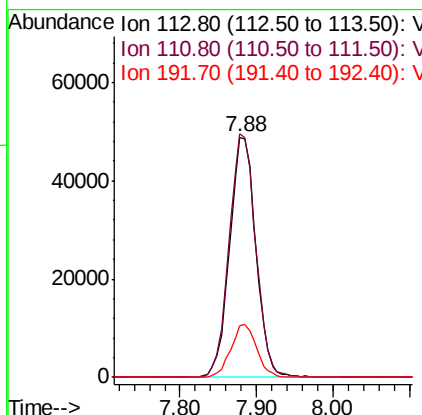
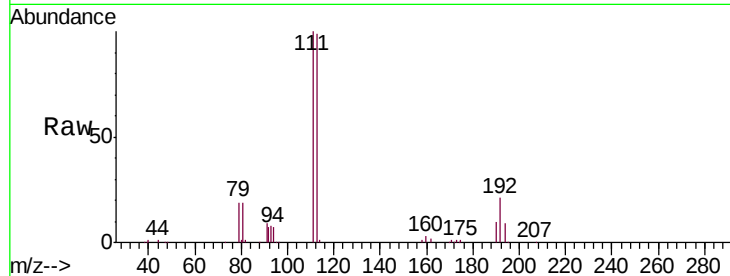




#35
 Dibromofluoromethane
 Concen: 49.601 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012724.D
 Acq: 07 Sep 2019 17:21

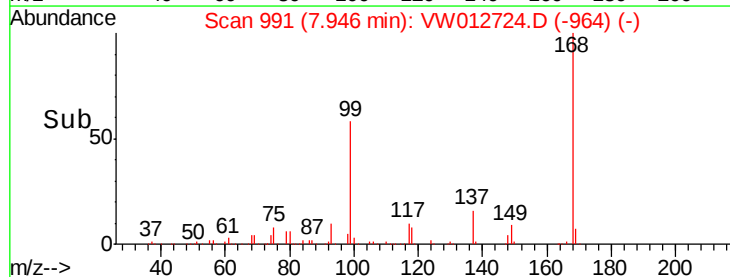
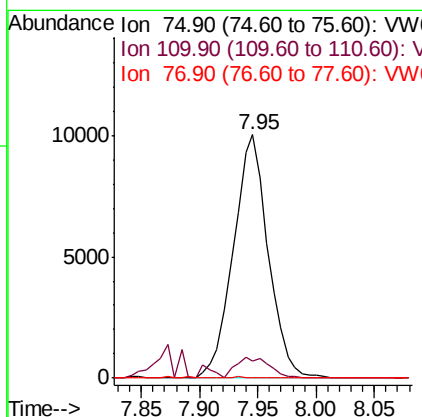
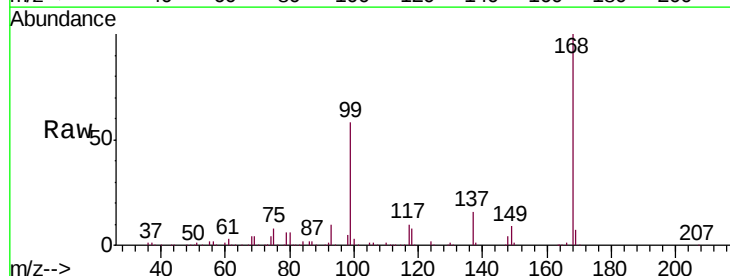
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-10-(0-2)

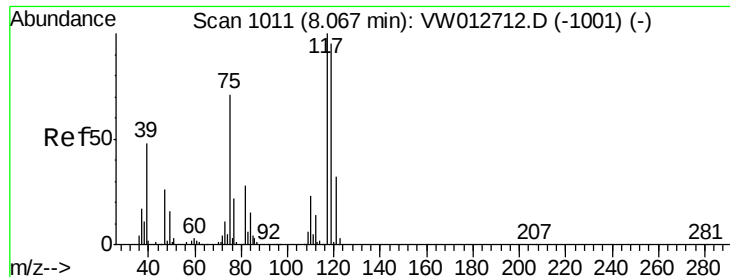
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.6	80.2	120.4
192	21.6	17.3	25.9



#36
 1,1-Dichloropropene
 Concen: 5.981 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012724.D
 Acq: 07 Sep 2019 17:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.4	15.9	47.7#
77	0.1	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 7.405 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012724.D

Acq: 07 Sep 2019 17:21

Instrument :

MSVOA_W

ClientSampleId :

SB-10-(0-2)

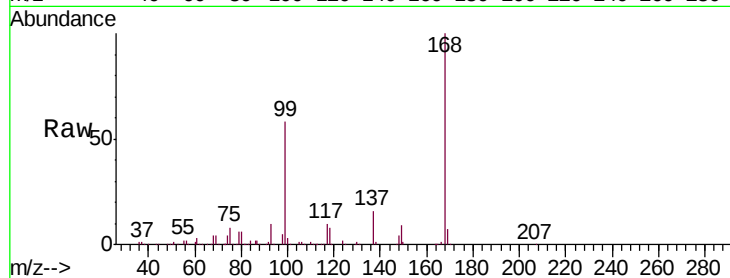
Tgt Ion:117 Resp: 25520

Ion Ratio Lower Upper

117 100

119 4.6 76.2 114.2#

121 0.0 25.4 38.2#

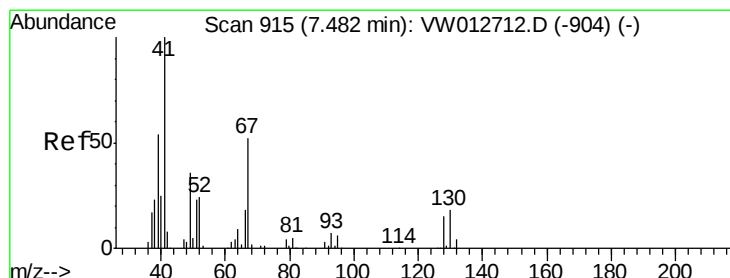
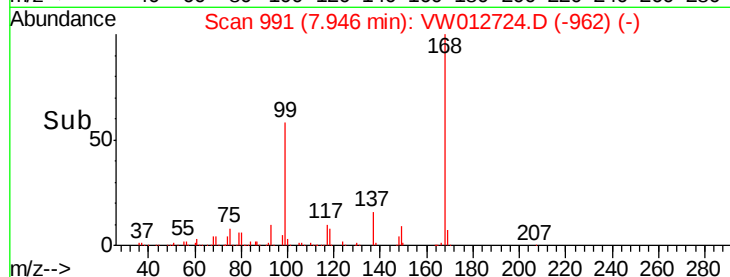
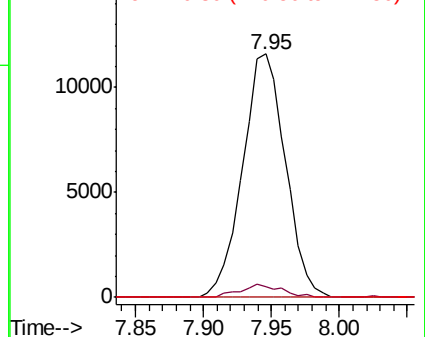


Abundance

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: 3.881 ug/l

RT: 7.46 min Scan# 912

Delta R.T. -0.02 min

Lab File: VW012724.D

Acq: 07 Sep 2019 17:21

Tgt Ion: 41 Resp: 69

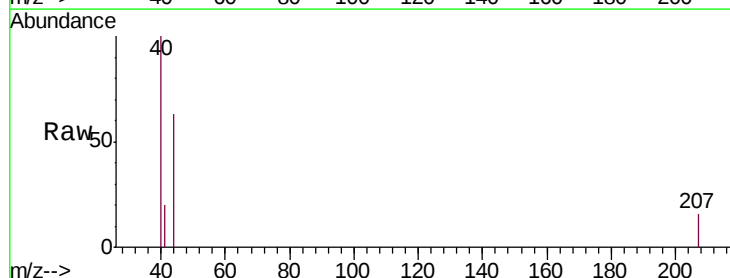
Ion Ratio Lower Upper

41 100

39 0.0 47.5 71.3#

67 0.0 45.1 67.7#

52 0.0 20.2 30.2#



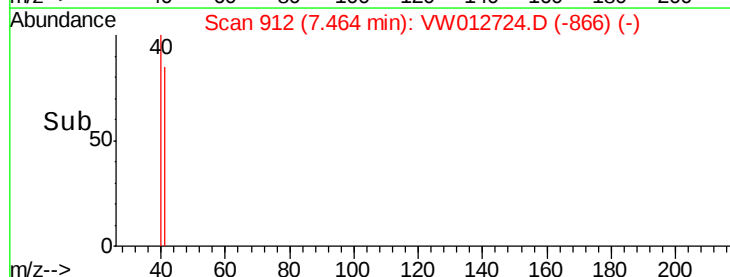
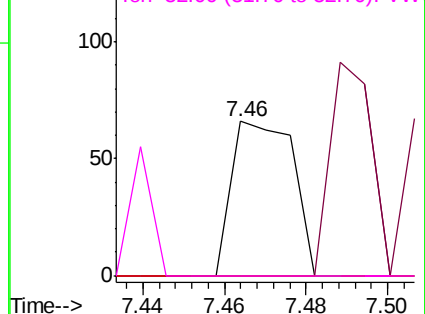
Abundance

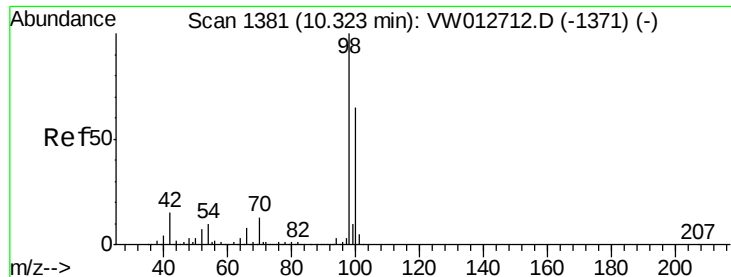
Ion 41.00 (40.70 to 41.70): VW

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: 50.457 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012724.D

Acq: 07 Sep 2019 17:21

Instrument :

MSVOA_W

ClientSampleId :

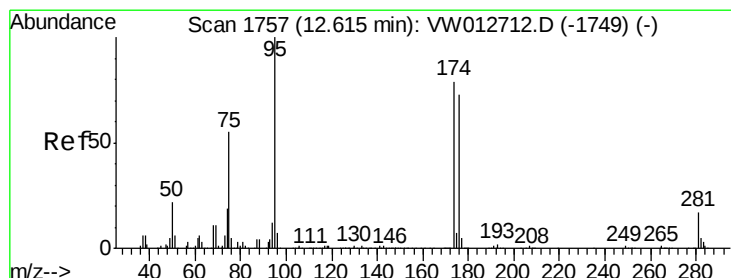
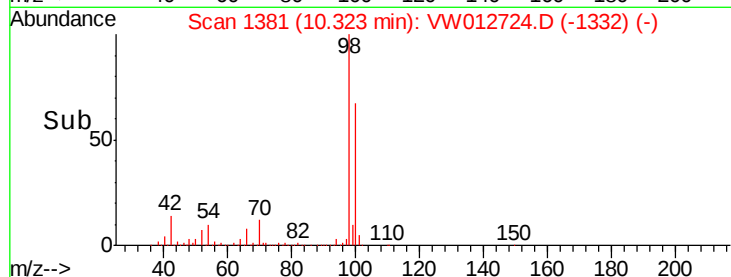
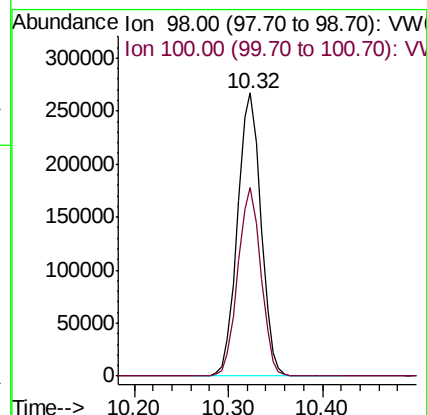
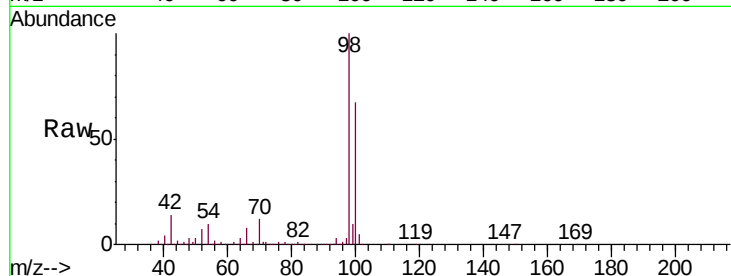
SB-10-(0-2)

Tgt Ion: 98 Resp: 462416

Ion Ratio Lower Upper

98 100

100 65.6 52.2 78.4



#62

4-Bromofluorobenzene

Concen: 43.352 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012724.D

Acq: 07 Sep 2019 17:21

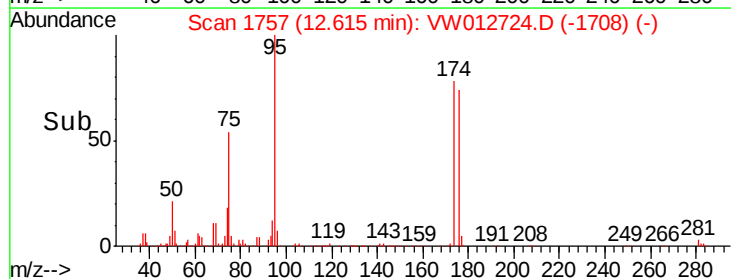
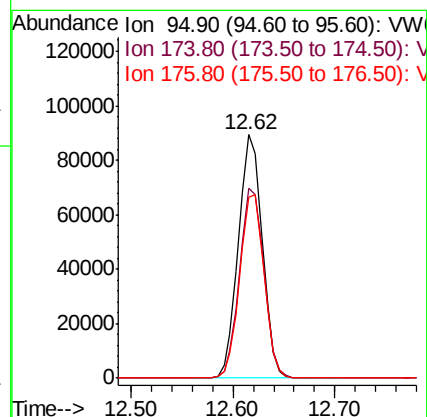
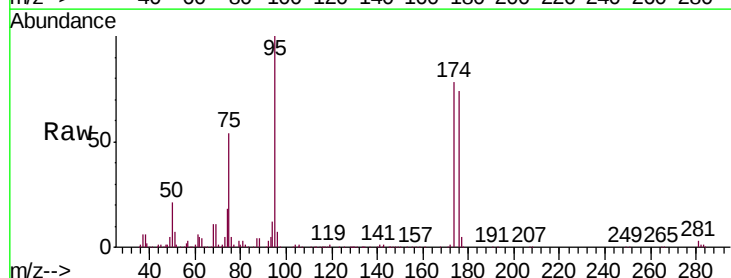
Tgt Ion: 95 Resp: 144234

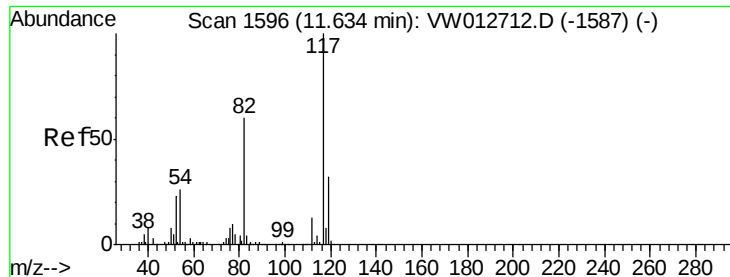
Ion Ratio Lower Upper

95 100

174 79.6 0.0 161.0

176 76.7 0.0 156.4

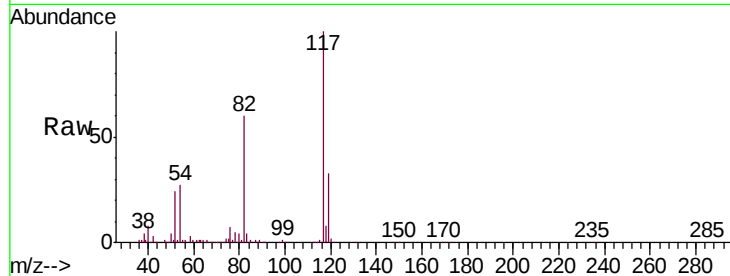




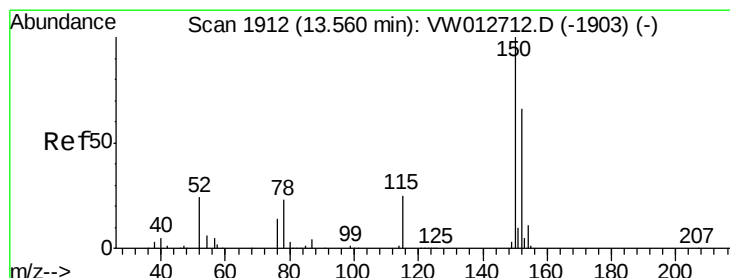
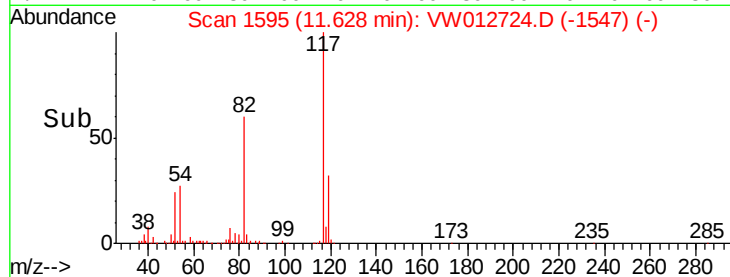
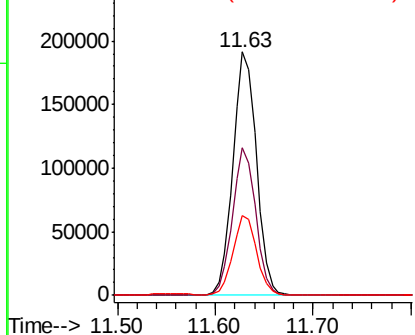
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012724.D
Acq: 07 Sep 2019 17:21

Instrument :
MSVOA_W
ClientSampleId :
SB-10-(0-2)

Tgt Ion:117 Resp: 319175
Ion Ratio Lower Upper
117 100
82 60.4 48.2 72.4
119 32.5 25.8 38.6

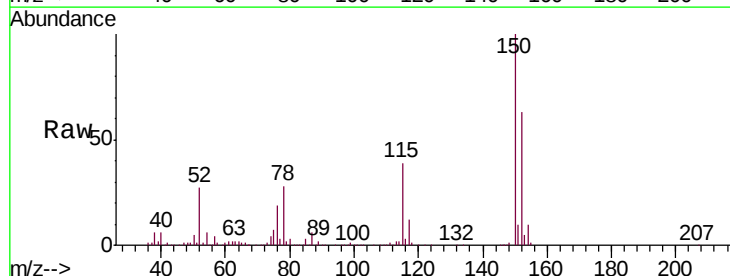


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

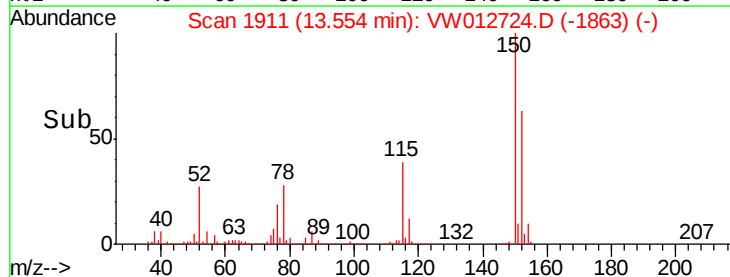
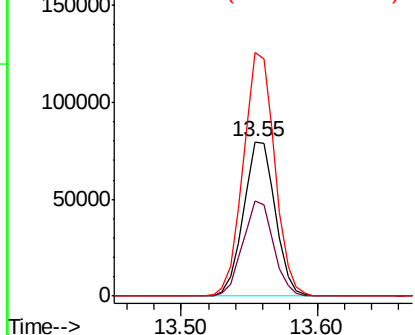


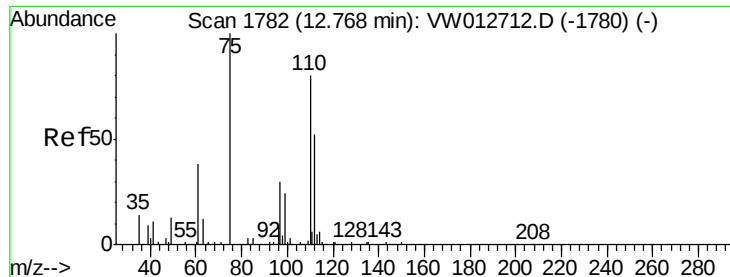
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW012724.D
Acq: 07 Sep 2019 17:21

Tgt Ion:152 Resp: 130331
Ion Ratio Lower Upper
152 100
115 59.7 30.0 90.1
150 156.1 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: 57.463 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012724.D

Acq: 07 Sep 2019 17:21

Instrument :

MSVOA_W

ClientSampled :

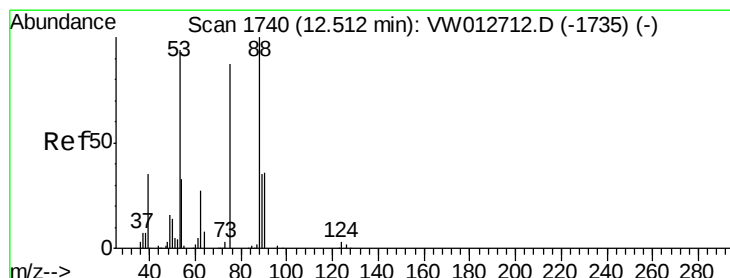
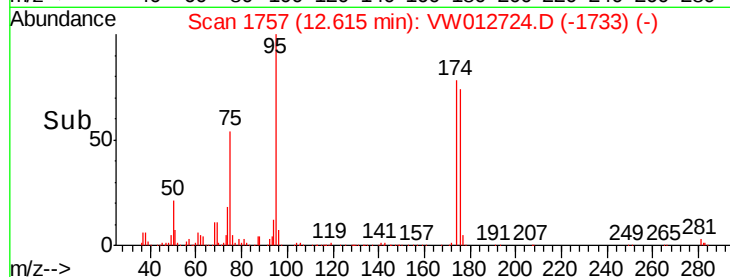
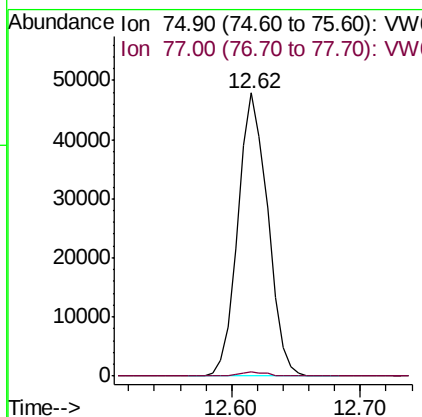
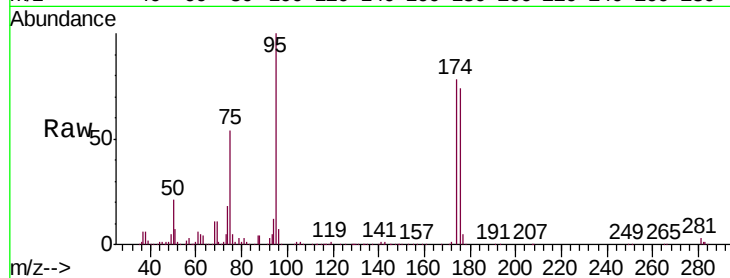
SB-10-(0-2)

Tgt Ion: 75 Resp: 76581

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 121.539 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012724.D

Acq: 07 Sep 2019 17:21

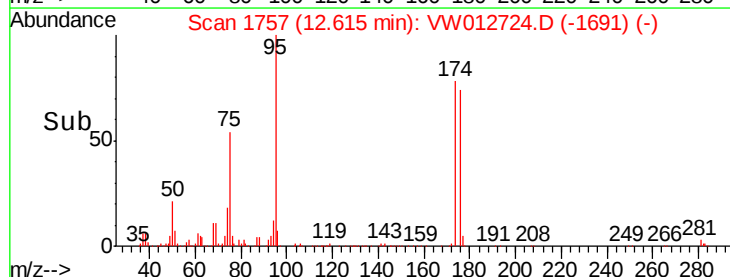
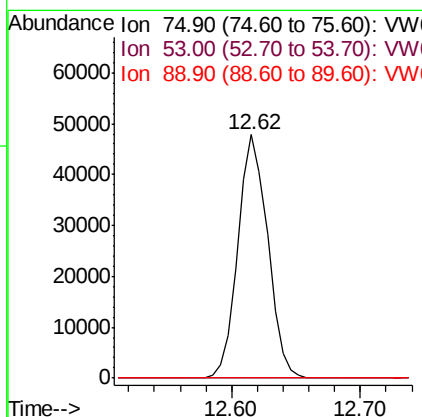
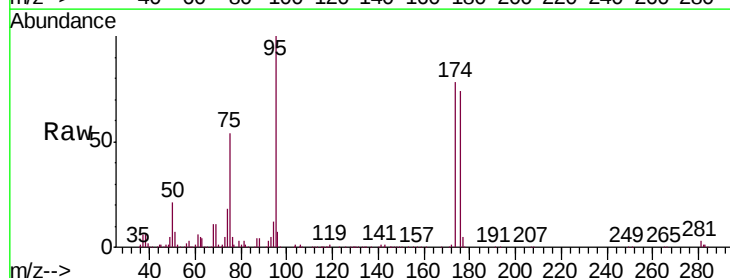
Tgt Ion: 75 Resp: 76581

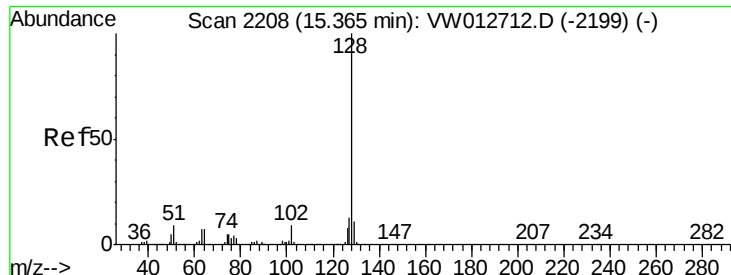
Ion Ratio Lower Upper

75 100

53 0.1 87.6 131.4#

89 0.1 35.5 53.3#





#95

Naphthalene

Concen: 4.522 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012724.D

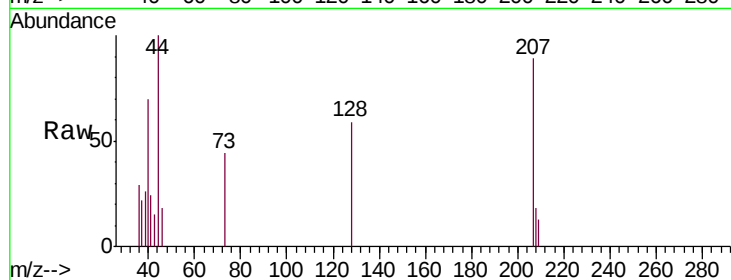
Acq: 07 Sep 2019 17:21

Instrument :

MSVOA_W

ClientSampleId :

SB-10-(0-2)



Tgt Ion:128 Resp: 496

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 5.4 8.7 13.1#

