

Data File : VW012121.D
Acq On : 22 Aug 2019 19:43
Operator : SY/VA
Sample : K4462-03
Misc : 5.07G/5ML/MSVOA_W/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-47-9.5-10.0

Quant Time: Aug 23 08:02:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:23:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	80762	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	129874	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	112635	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	46893	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	49332	53.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.40%	
35) Dibromofluoromethane	7.88	113	40245	55.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.46%	
50) Toluene-d8	10.32	98	164162	55.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.06%	
62) 4-Bromofluorobenzene	12.62	95	59533	55.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.96%	

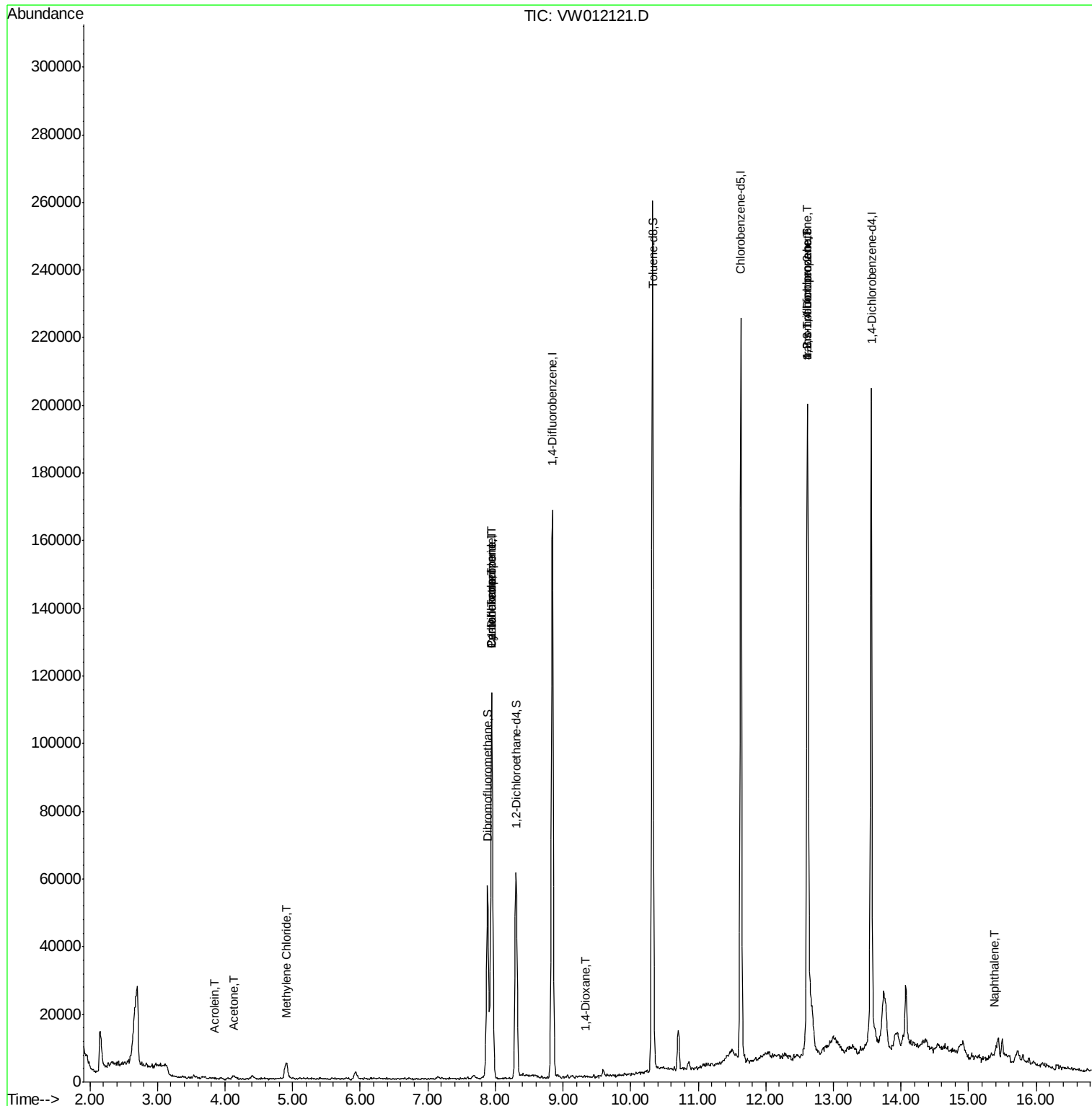
Target Compounds			Qvalue			
11) Tert butyl alcohol	5.17	59	94	Below Cal	#	1
13) Acrolein	3.85	56	70	1.052	ug/l #	15
16) Acetone	4.12	43	1183	4.010	ug/l #	89
20) Methylene Chloride	4.90	84	1948	1.915	ug/l	88
31) Cyclohexane	7.95	56	2305	1.329	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	7078	5.241	ug/l #	52
38) Carbon Tetrachloride	7.95	117	8399	7.265	ug/l #	17
49) 1,4-Dioxane	9.34	88	22	3.289	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	29353	59.158	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	29353	136.338	ug/l #	9
95) Naphthalene	15.38	128	143	2.140	ug/l #	1

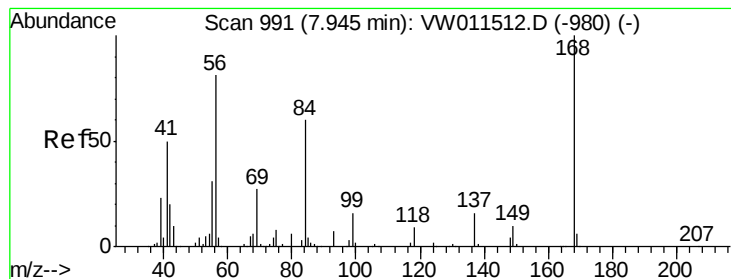
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW012121.D
Acq On : 22 Aug 2019 19:43
Operator : SY/VA
Sample : K4462-03
Misc : 5.07G/5ML/MSVOA_W/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-47-9.5-10.0

Quant Time: Aug 23 08:02:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:23:30 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: VW012121.D

Acq: 22 Aug 2019 19:43

Instrument :

MSVOA_W

ClientSampleId :

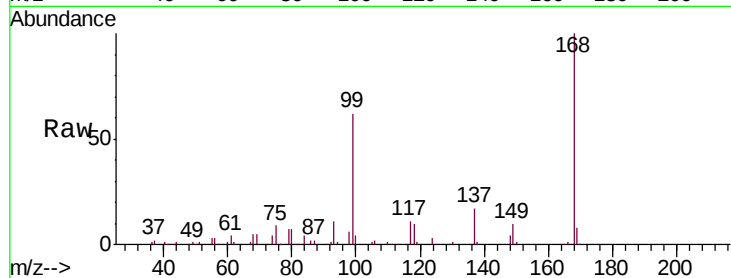
SB-47-9.5-10.0

Tgt Ion:168 Resp: 80762

Ion Ratio Lower Upper

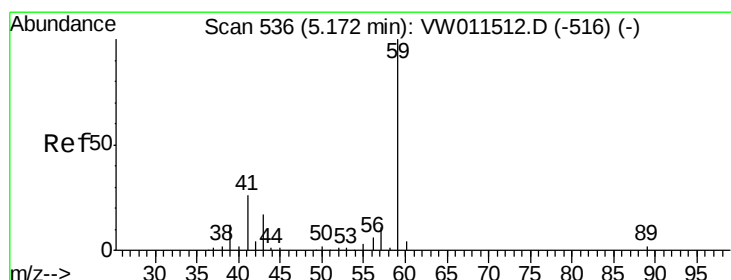
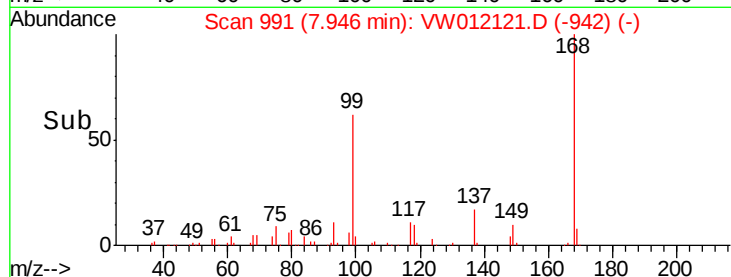
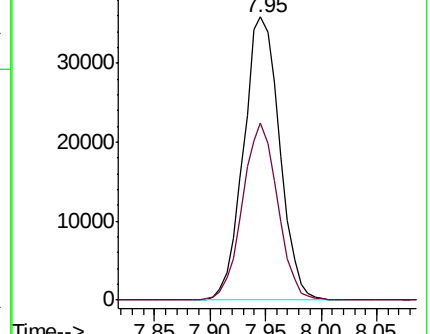
168 100

99 62.5 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.17 min Scan# 535

Delta R.T. -0.01 min

Lab File: VW012121.D

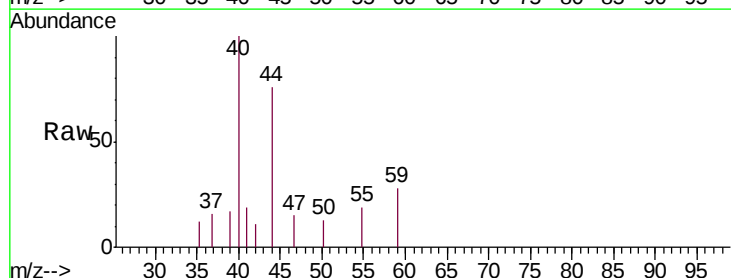
Acq: 22 Aug 2019 19:43

Tgt Ion: 59 Resp: 94

Ion Ratio Lower Upper

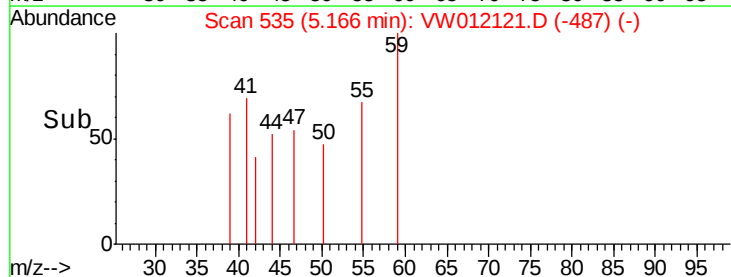
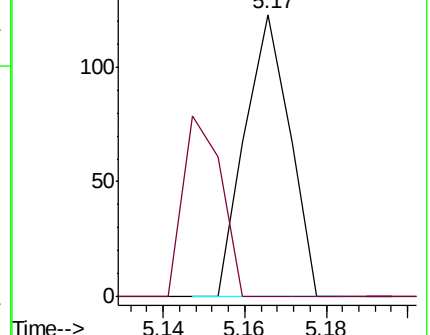
59 100

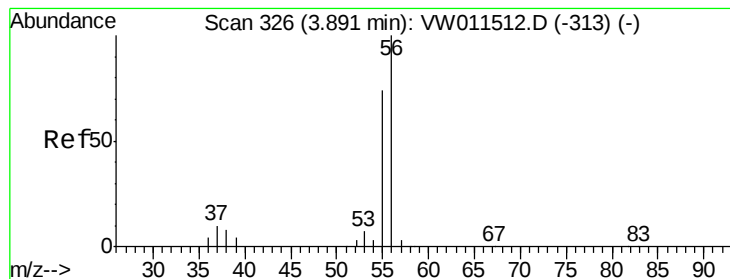
57 54.3 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 1.052 ug/l

RT: 3.85 min Scan# 319

Delta R.T. -0.04 min

Lab File: VW012121.D

Acq: 22 Aug 2019 19:43

Instrument :

MSVOA_W

ClientSampleId :

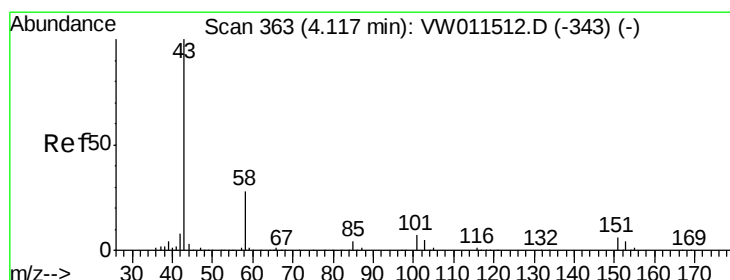
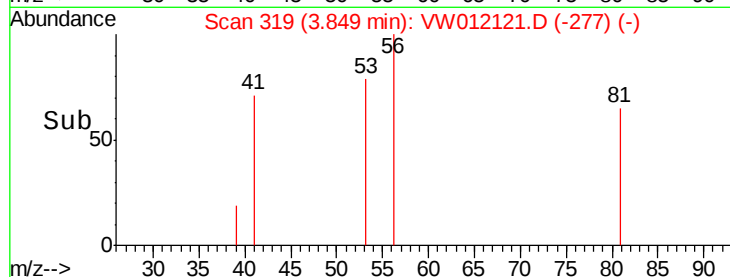
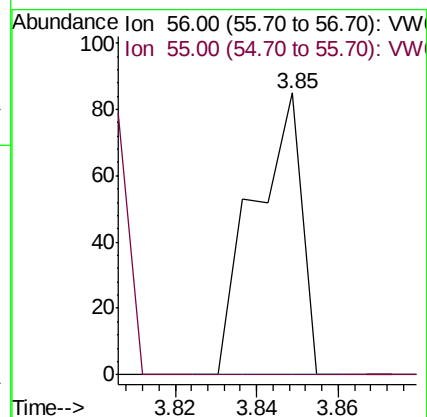
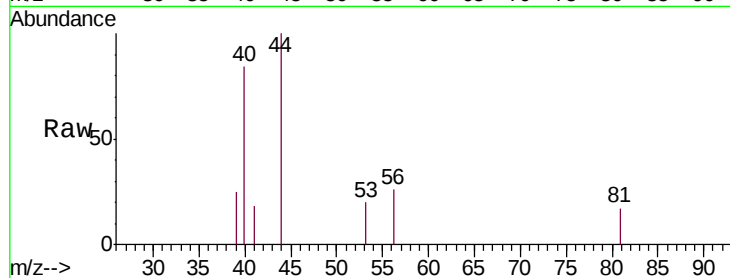
SB-47-9.5-10.0

Tgt Ion: 56 Resp: 70

Ion Ratio Lower Upper

56 100

55 0.0 56.0 84.0#



#16

Acetone

Concen: 4.010 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW012121.D

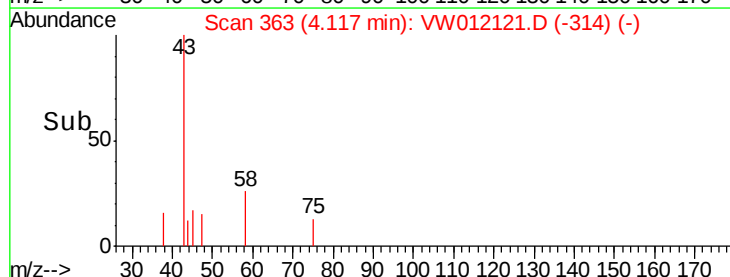
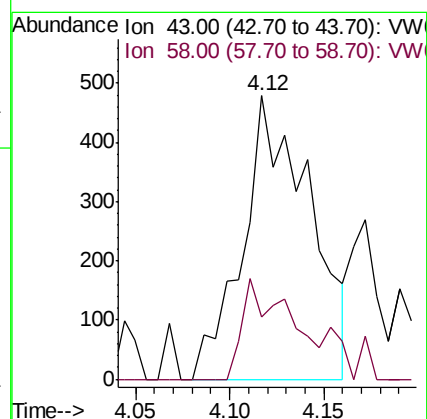
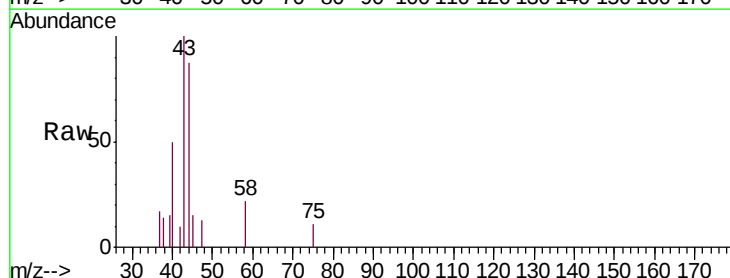
Acq: 22 Aug 2019 19:43

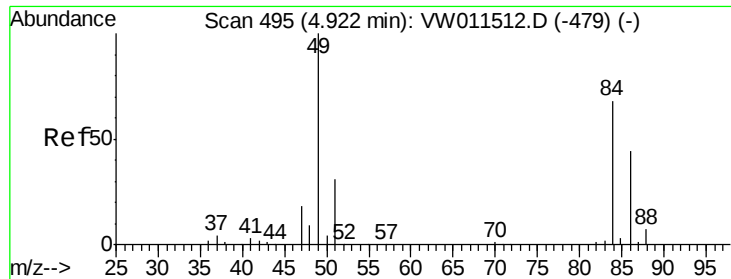
Tgt Ion: 43 Resp: 1183

Ion Ratio Lower Upper

43 100

58 22.2 22.3 33.5#

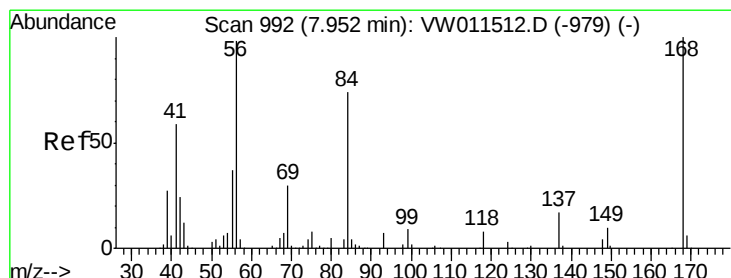
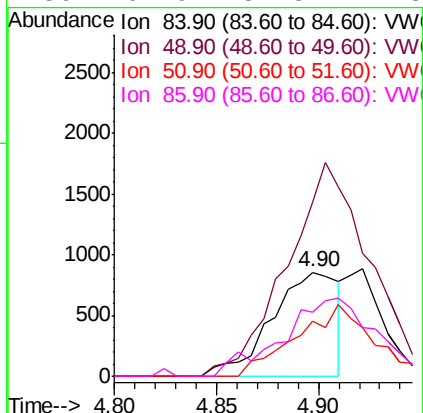
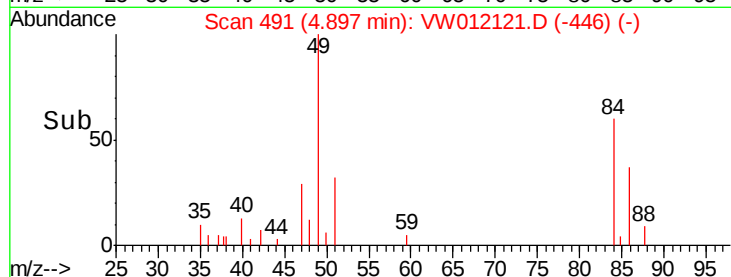
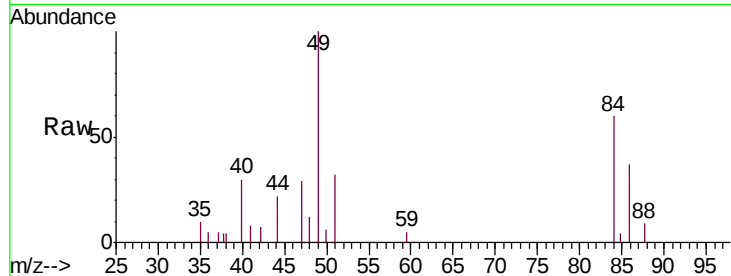




#20
Methylene Chloride
Concen: 1.915 ug/l
RT: 4.90 min Scan# 491
Delta R.T. -0.02 min
Lab File: VW012121.D
Acq: 22 Aug 2019 19:43

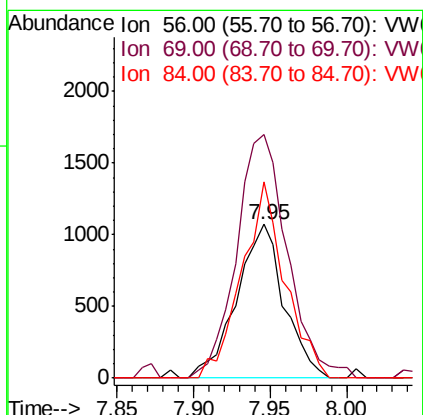
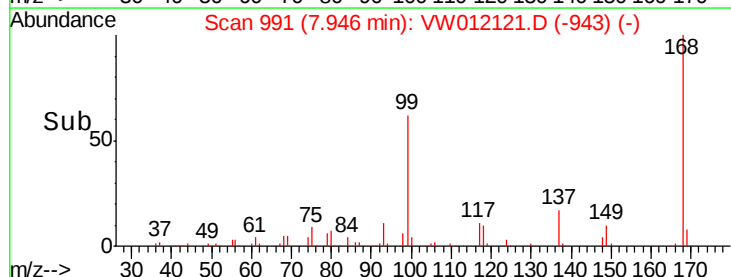
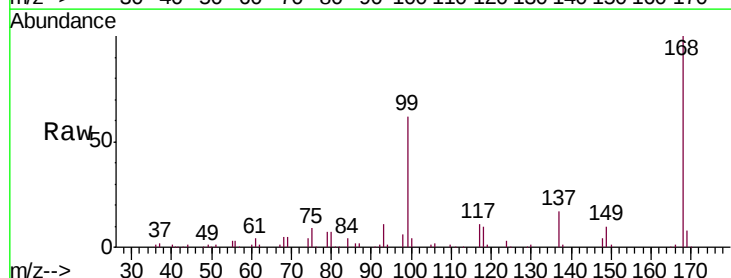
Instrument :
MSVOA_W
ClientSampleId :
SB-47-9.5-10.0

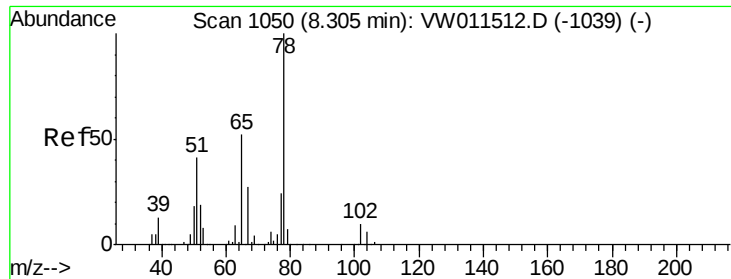
Tgt Ion: 84 Resp: 1948
Ion Ratio Lower Upper
84 100
49 167.9 117.8 176.6
51 52.9 37.0 55.4
86 61.9 51.8 77.8



#31
Cyclohexane
Concen: 1.329 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012121.D
Acq: 22 Aug 2019 19:43

Tgt Ion: 56 Resp: 2305
Ion Ratio Lower Upper
56 100
69 158.2 24.3 36.5#
84 127.5 60.4 90.6#





#33

1,2-Dichloroethane-d4

Concen: 53.195 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW012121.D

Acq: 22 Aug 2019 19:43

Instrument :

MSVOA_W

ClientSampleId :

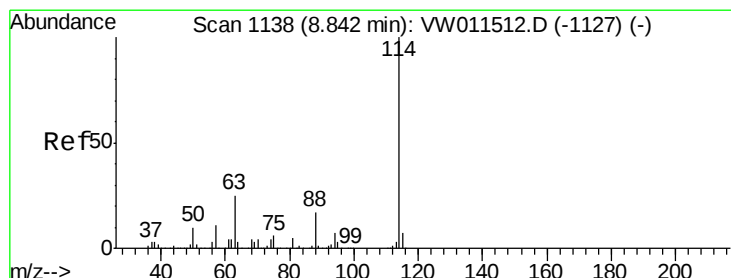
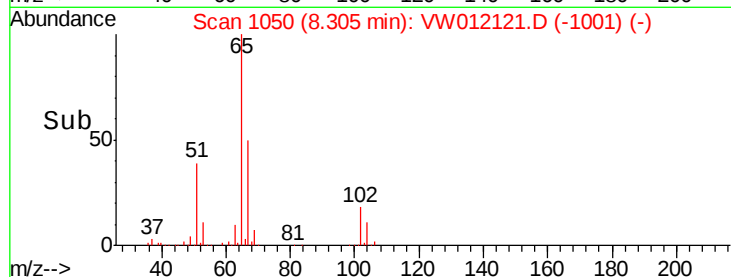
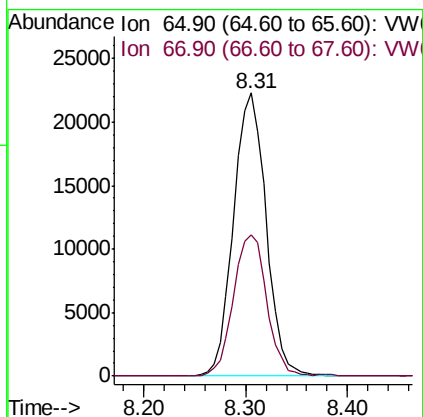
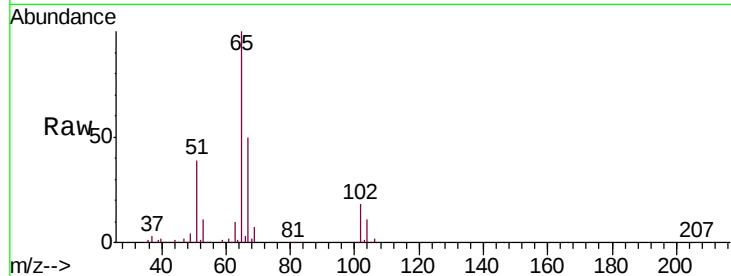
SB-47-9.5-10.0

Tgt Ion: 65 Resp: 49332

Ion Ratio Lower Upper

65 100

67 51.0 0.0 105.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW012121.D

Acq: 22 Aug 2019 19:43

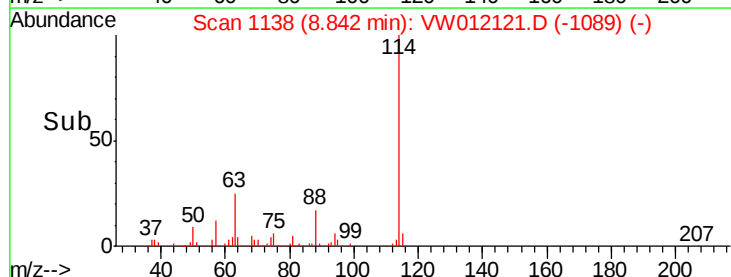
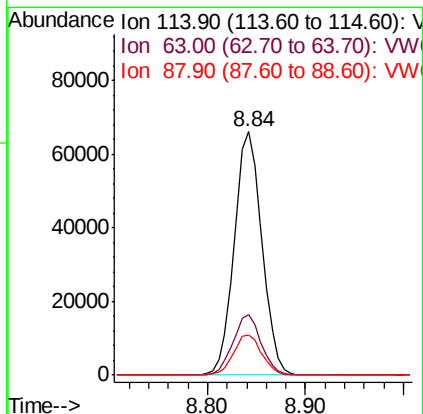
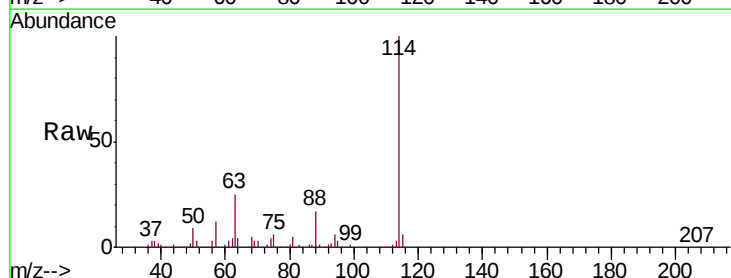
Tgt Ion: 114 Resp: 129874

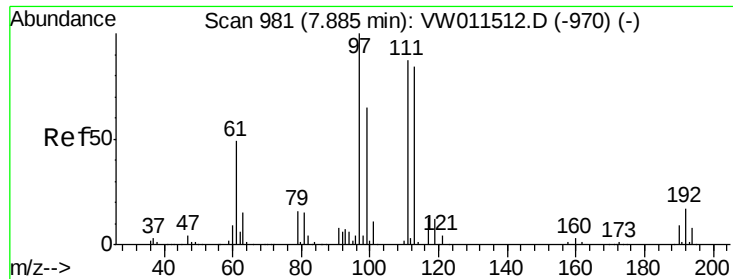
Ion Ratio Lower Upper

114 100

63 25.1 0.0 49.2

88 16.6 0.0 33.8

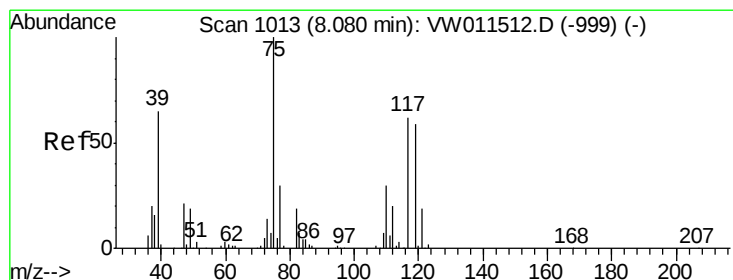
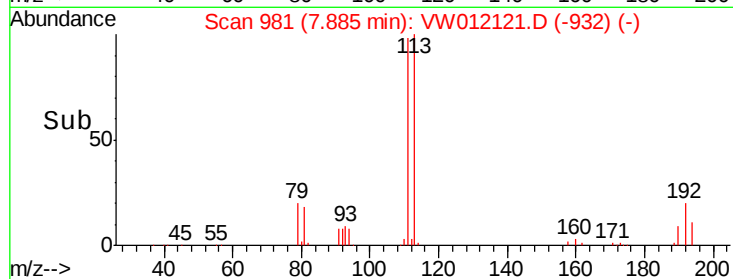
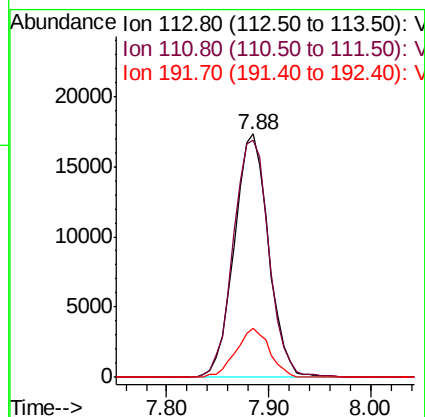
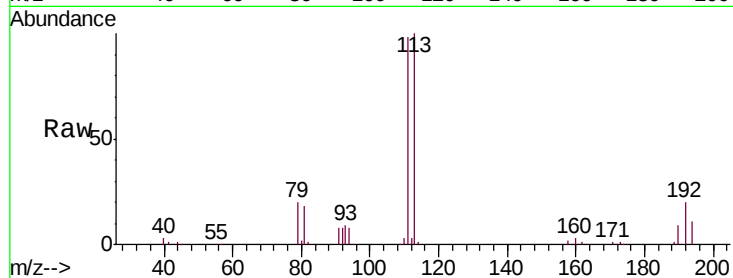




#35
 Dibromofluoromethane
 Concen: 55.235 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW012121.D
 Acq: 22 Aug 2019 19:43

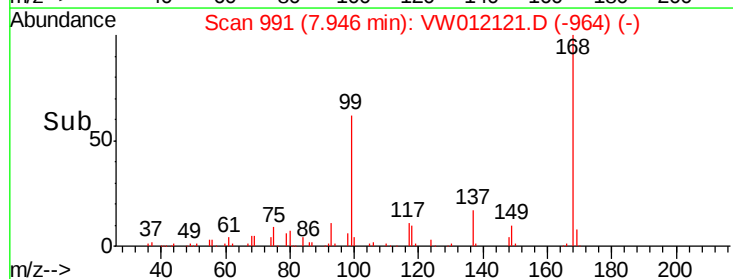
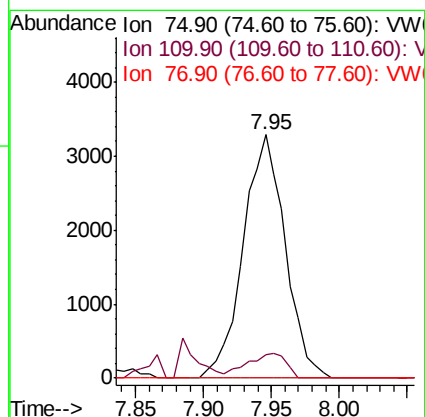
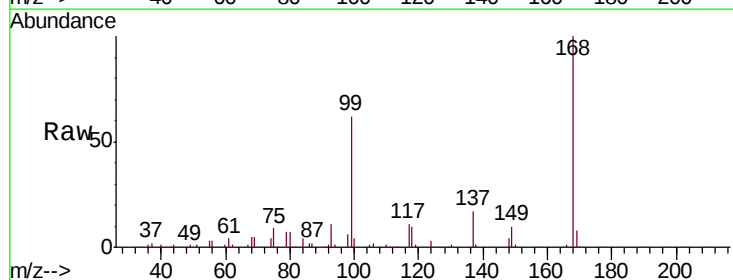
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-47-9.5-10.0

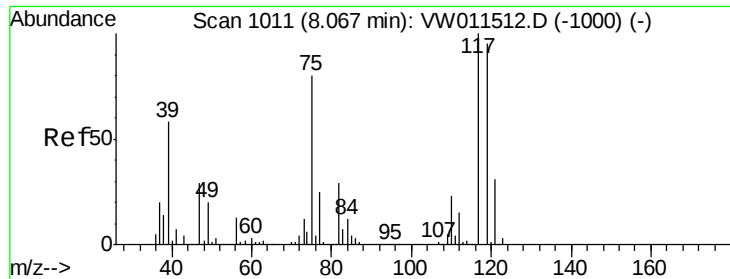
Tgt Ion:113 Resp: 40245
 Ion Ratio Lower Upper
 113 100
 111 101.7 82.7 124.1
 192 19.6 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 5.241 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012121.D
 Acq: 22 Aug 2019 19:43

Tgt Ion: 75 Resp: 7078
 Ion Ratio Lower Upper
 75 100
 110 9.4 15.6 46.8#
 77 0.0 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 7.265 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012121.D

Acq: 22 Aug 2019 19:43

Instrument :

MSVOA_W

ClientSampled :

SB-47-9.5-10.0

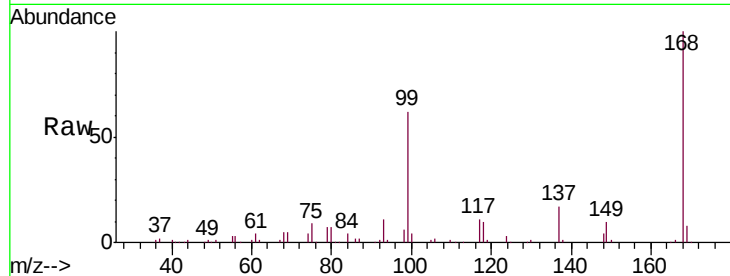
Tgt Ion:117 Resp: 8399

Ion Ratio Lower Upper

117 100

119 5.5 75.8 113.6#

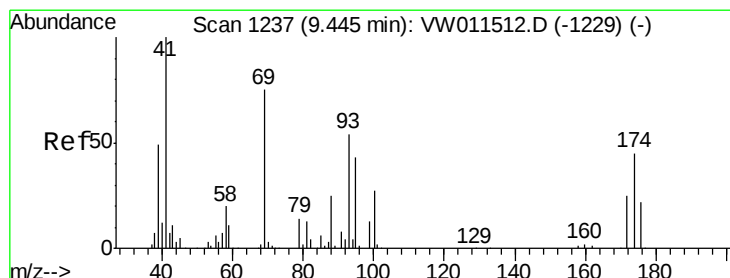
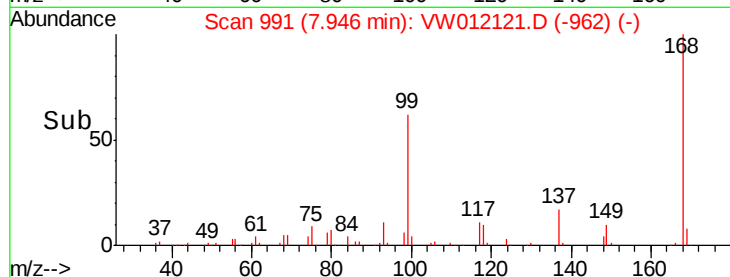
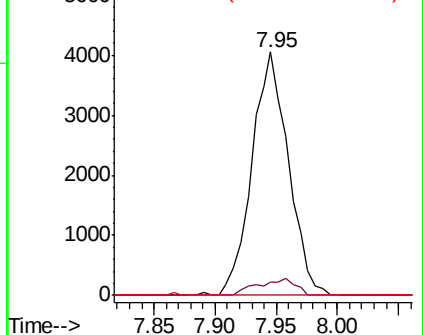
121 0.0 24.7 37.1#



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



#49

1,4-Dioxane

Concen: 3.289 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.11 min

Lab File: VW012121.D

Acq: 22 Aug 2019 19:43

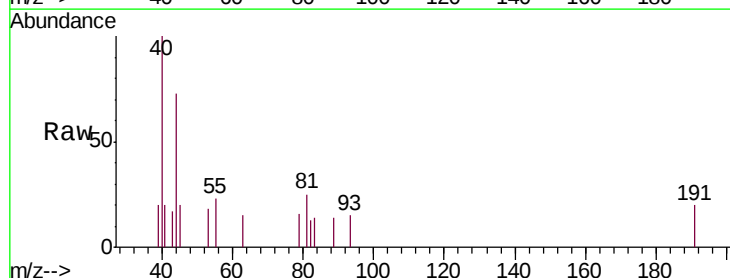
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 740.9 34.0 51.0#

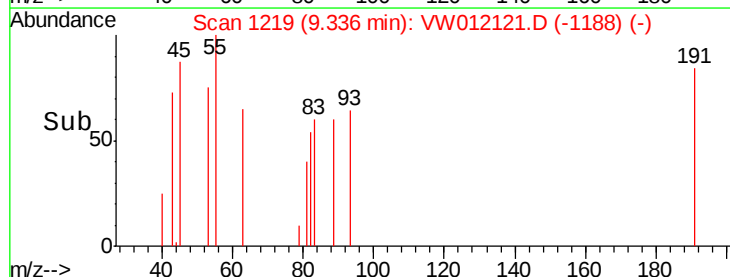
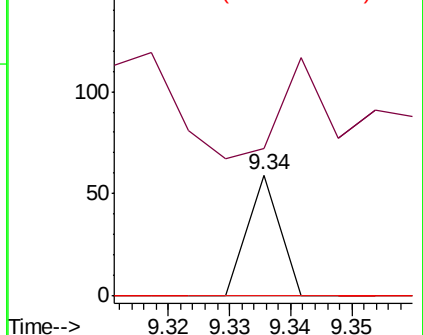
58 0.0 69.7 104.5#

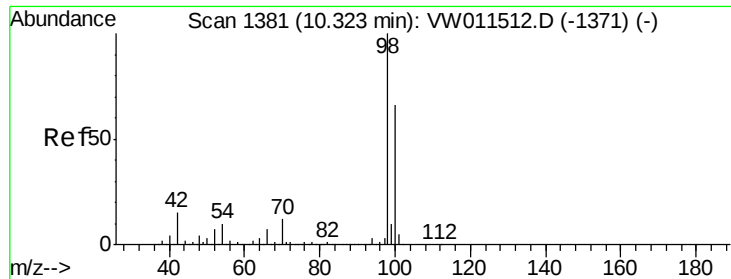


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 55.029 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012121.D

Acq: 22 Aug 2019 19:43

Instrument :

MSVOA_W

ClientSampled :

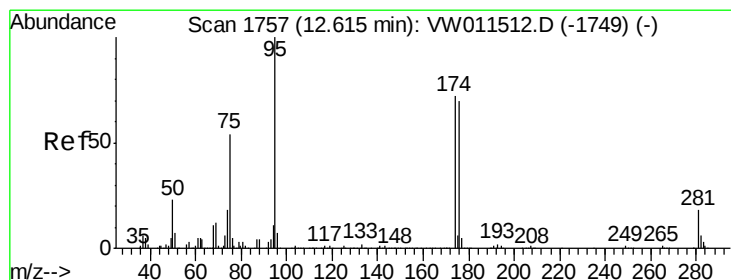
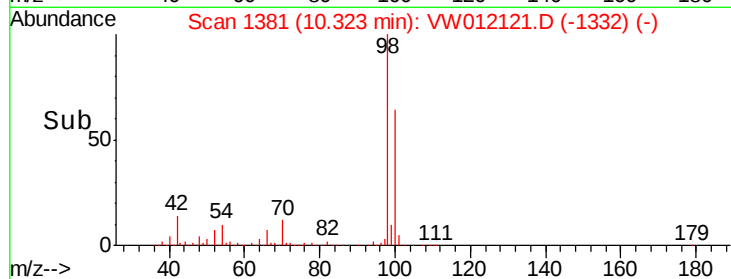
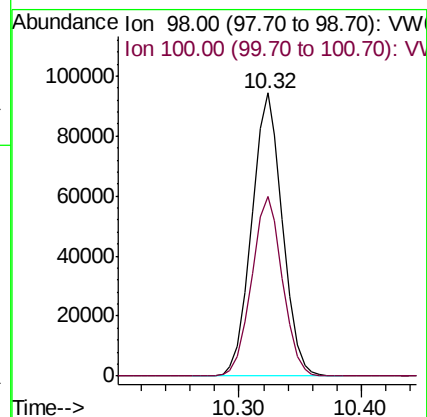
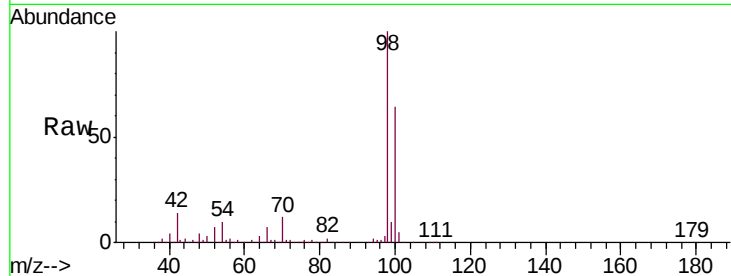
SB-47-9.5-10.0

Tgt Ion: 98 Resp: 164162

Ion Ratio Lower Upper

98 100

100 63.9 52.7 79.1



#62

4-Bromofluorobenzene

Concen: 55.975 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012121.D

Acq: 22 Aug 2019 19:43

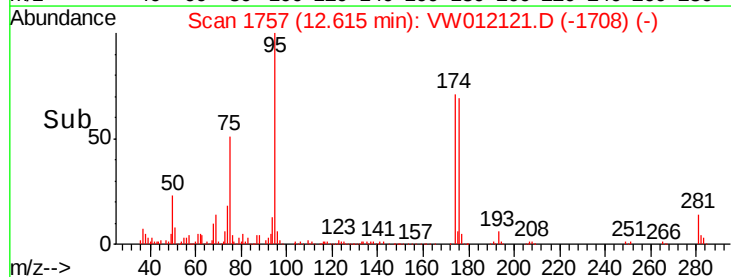
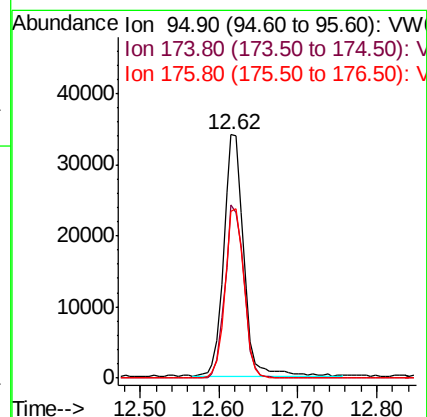
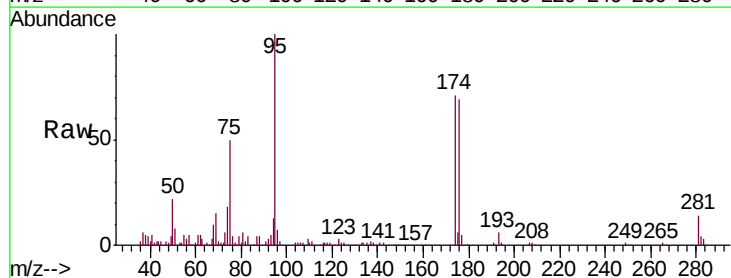
Tgt Ion: 95 Resp: 59533

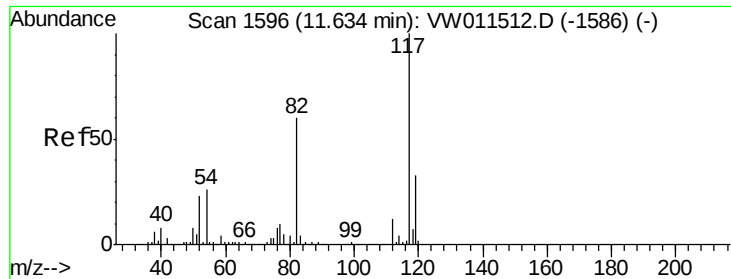
Ion Ratio Lower Upper

95 100

174 67.9 0.0 150.2

176 66.8 0.0 144.4

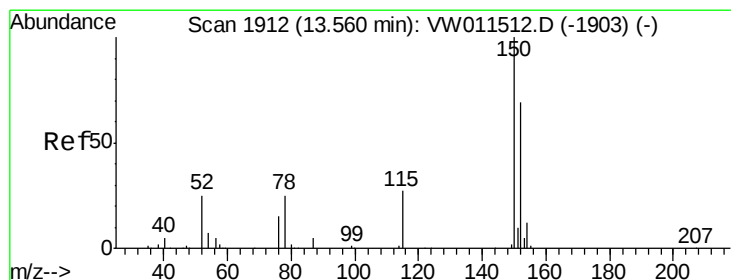
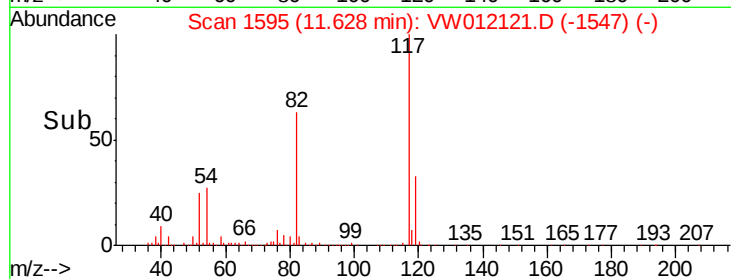
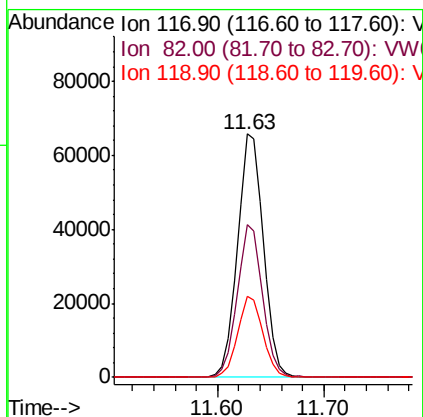
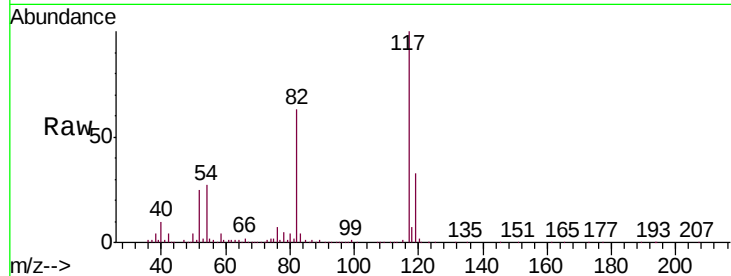




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012121.D
Acq: 22 Aug 2019 19:43

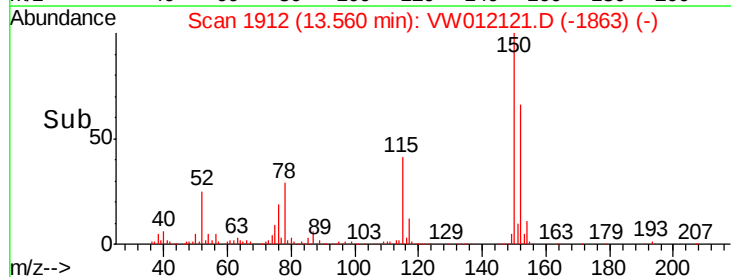
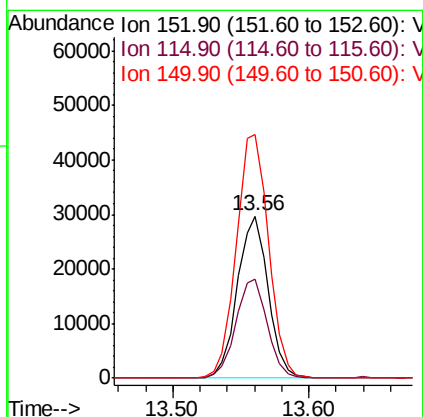
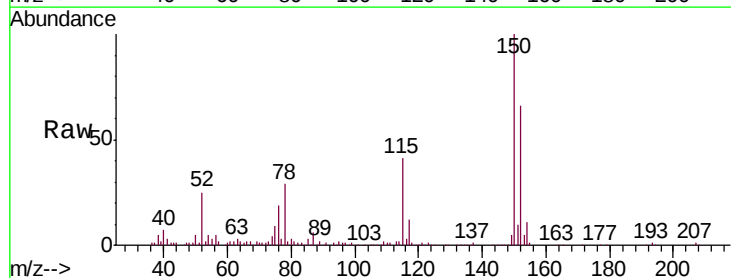
Instrument :
MSVOA_W
ClientSampleId :
SB-47-9.5-10.0

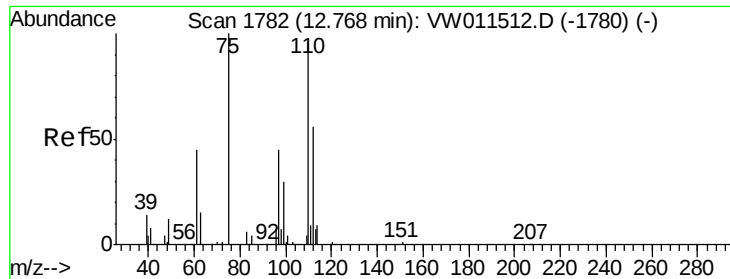
Tgt Ion:117 Resp: 112635
Ion Ratio Lower Upper
117 100
82 62.7 47.9 71.9
119 33.1 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW012121.D
Acq: 22 Aug 2019 19:43

Tgt Ion:152 Resp: 46893
Ion Ratio Lower Upper
152 100
115 61.6 30.5 91.5
150 157.5 0.0 352.6





#76

1,2,3-Trichloropropane

Concen: 59.158 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012121.D

Acq: 22 Aug 2019 19:43

Instrument :

MSVOA_W

ClientSampleId :

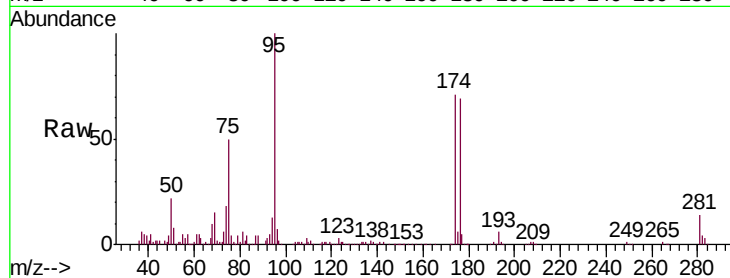
SB-47-9.5-10.0

Tgt Ion: 75 Resp: 29353

Ion Ratio Lower Upper

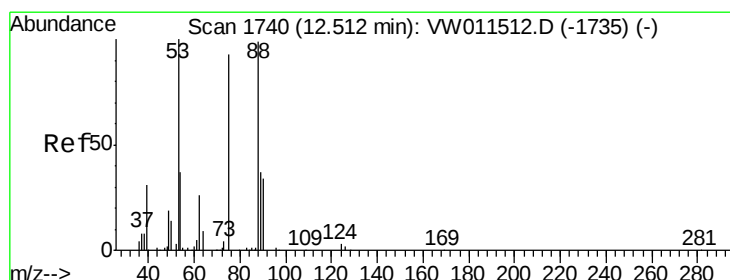
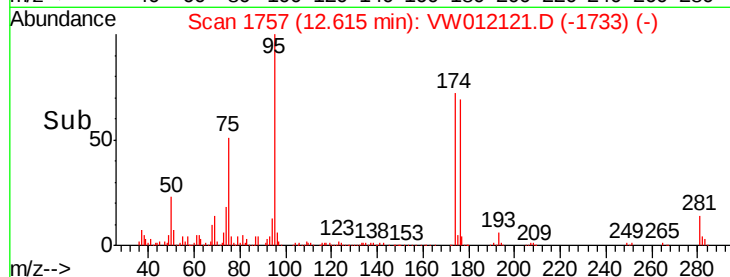
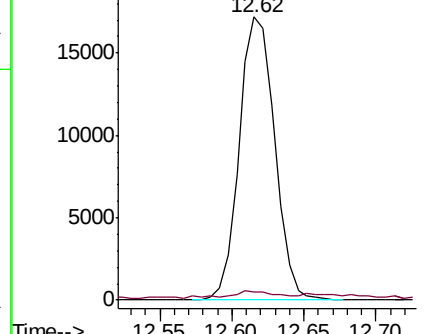
75 100

77 3.7 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: 136.338 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012121.D

Acq: 22 Aug 2019 19:43

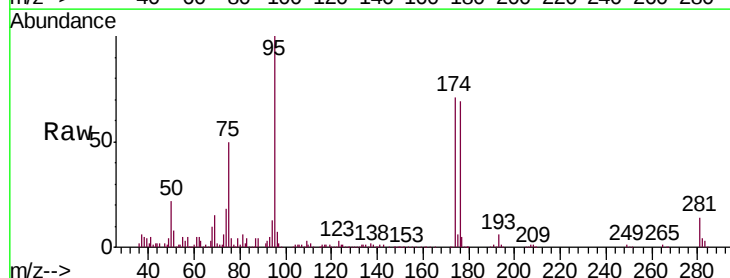
Tgt Ion: 75 Resp: 29353

Ion Ratio Lower Upper

75 100

53 3.9 88.0 132.0#

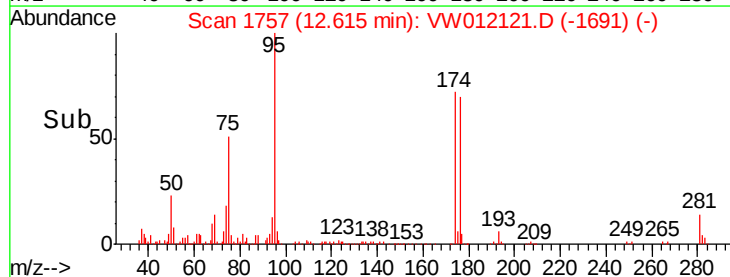
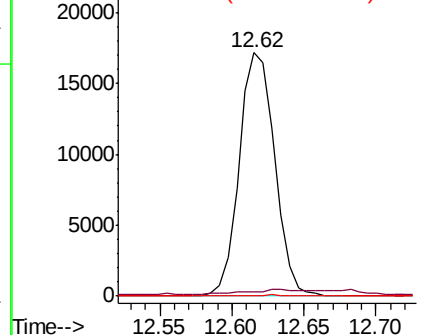
89 0.1 35.3 52.9#

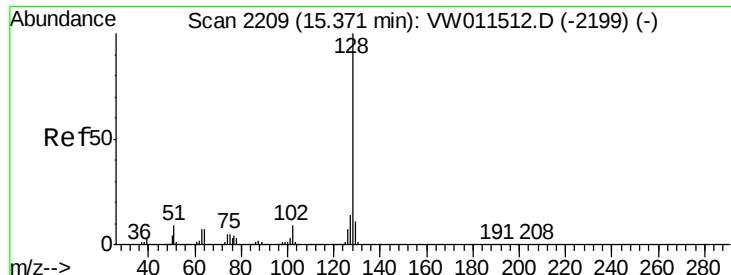


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#95

Naphthalene

Concen: 2.140 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW012121.D

Acq: 22 Aug 2019 19:43

Instrument :

MSVOA_W

ClientSampleId :

SB-47-9.5-10.0

Tgt Ion:128 Resp: 143

Ion Ratio Lower Upper

128 100

127 61.5 10.6 16.0#

129 122.4 8.6 13.0#

