

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081619\
 Data File : VW011939.D
 Acq On : 15 Aug 2019 20:01
 Operator : SY/VA
 Sample : K4339-05RE
 Misc : 5.22G/5ML/MSVOA_W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T8-A4-(0)

Quant Time: Aug 16 04:36:08 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	193618	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	331135	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	254691	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	76333	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	133611	60.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.20%	
35) Dibromofluoromethane	7.88	113	103698	55.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.64%	
50) Toluene-d8	10.32	98	395372	51.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.96%	
62) 4-Bromofluorobenzene	12.62	95	119852	44.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.40%	

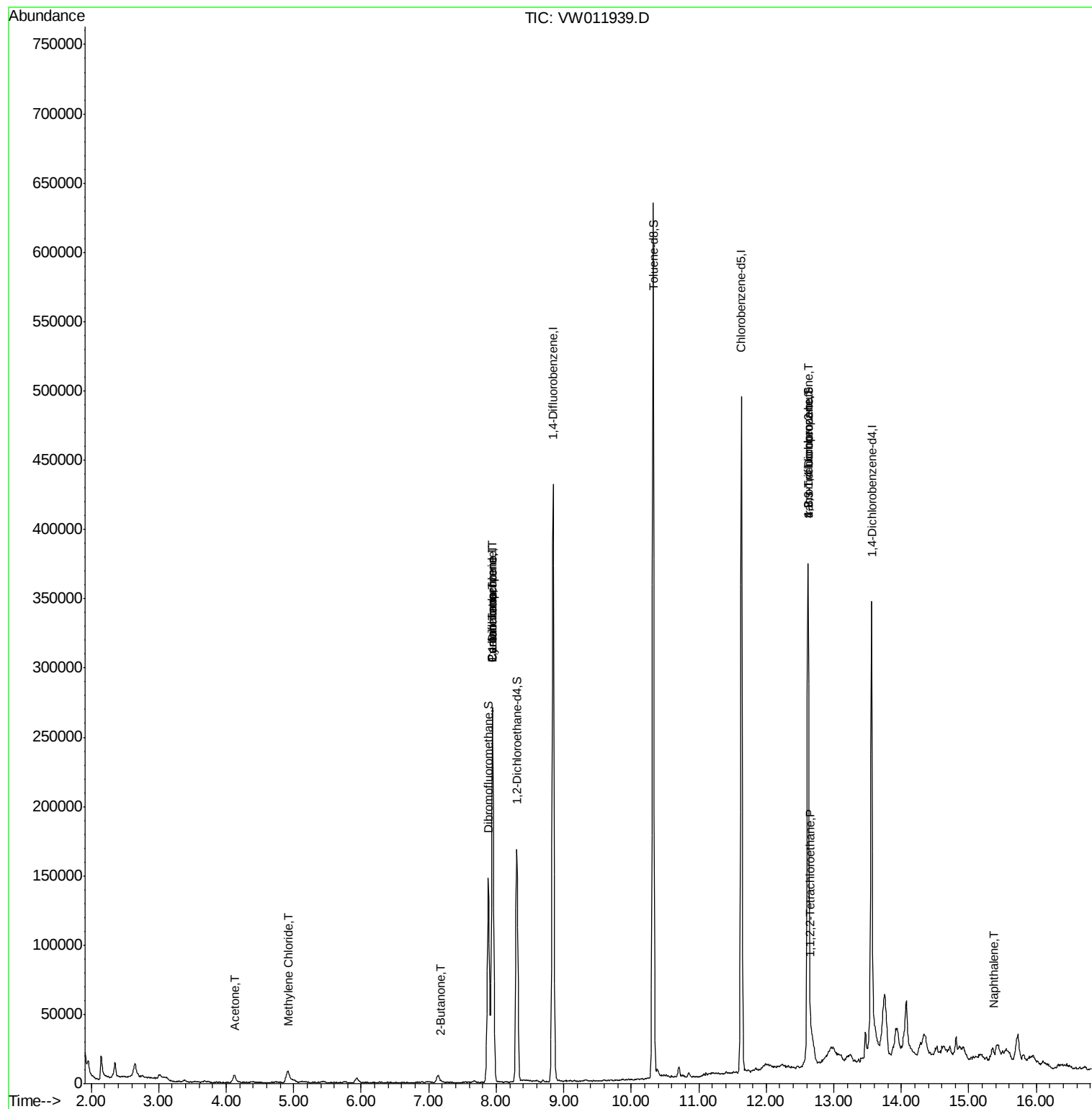
Target Compounds						Qvalue
11) Tert butyl alcohol	5.15	59	153	Below Cal	#	34
16) Acetone	4.12	43	10909	15.425	ug/l	98
20) Methylene Chloride	4.92	84	5976	2.450	ug/l	94
25) 2-Butanone	7.18	43	1151	1.244	ug/l	96
31) Cyclohexane	7.94	56	5048	1.214	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	17056	4.954	ug/l #	53
38) Carbon Tetrachloride	7.95	117	20099	6.819	ug/l #	18
75) 1,1,2,2-Tetrachloroethane	12.65	83	10935	10.209	ug/l #	27
76) 1,2,3-Trichloropropane	12.62	75	59150	73.233	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	59150	168.778	ug/l #	8
95) Naphthalene	15.37	128	1067	2.405	ug/l #	85

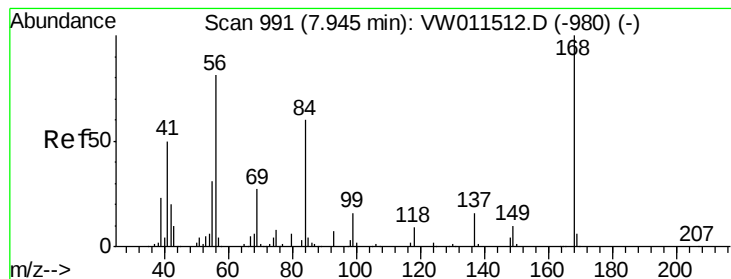
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW081619\
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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: VW011939.D

Acq: 15 Aug 2019 20:01

Instrument :

MSVOA_W

ClientSampleId :

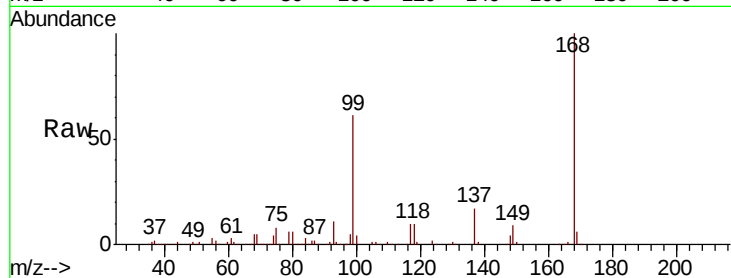
T8-A4-(0)

Tgt Ion:168 Resp: 193618

Ion Ratio Lower Upper

168 100

99 60.6 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

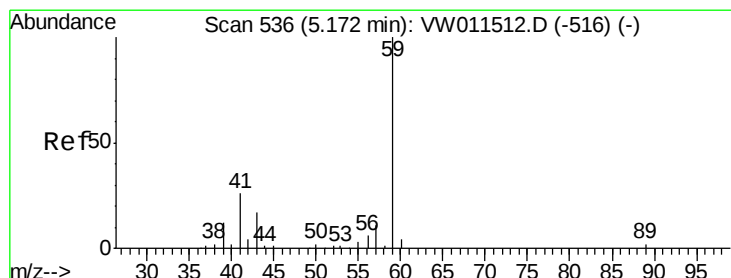
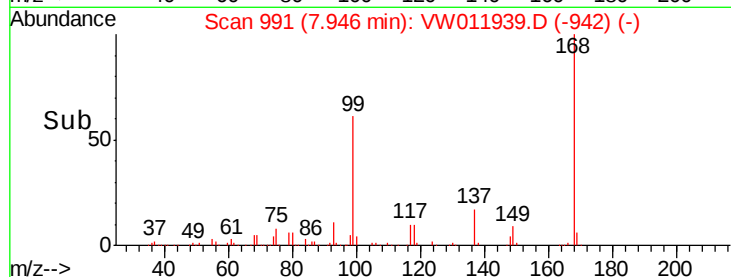
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.15 min Scan# 533

Delta R.T. -0.02 min

Lab File: VW011939.D

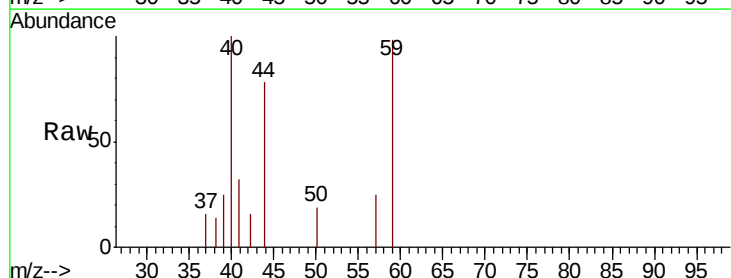
Acq: 15 Aug 2019 20:01

Tgt Ion: 59 Resp: 153

Ion Ratio Lower Upper

59 100

57 35.3 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.15

400

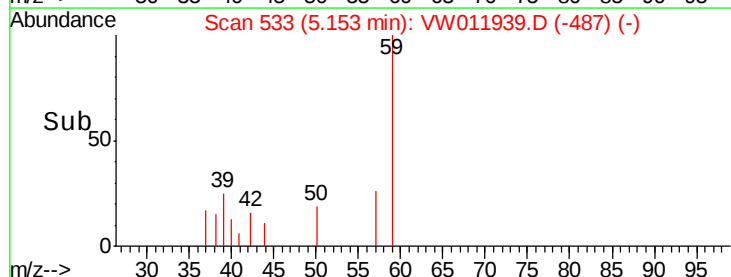
300

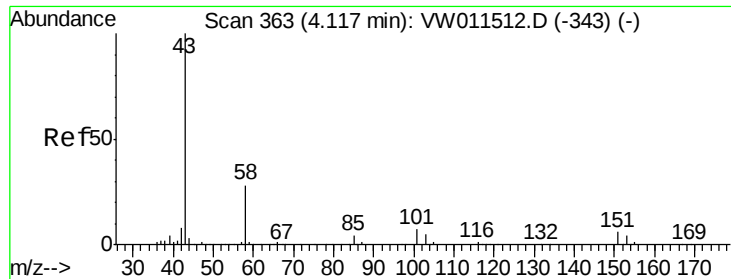
200

100

0

Time--> 5.14 5.15 5.16 5.17 5.18





#16

Acetone

Concen: 15.425 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW011939.D

Acq: 15 Aug 2019 20:01

Instrument :

MSVOA_W

ClientSampleId :

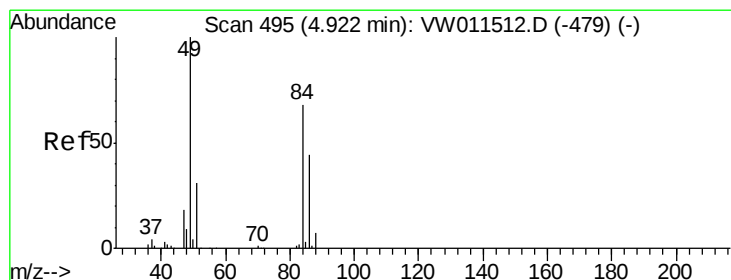
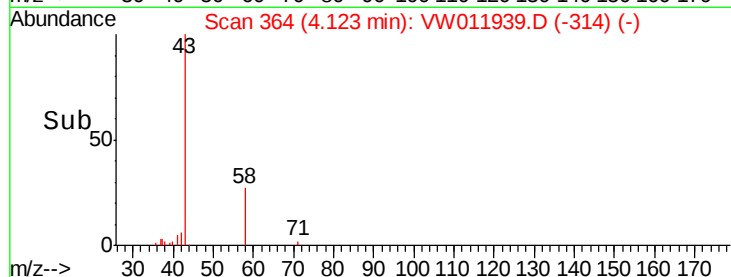
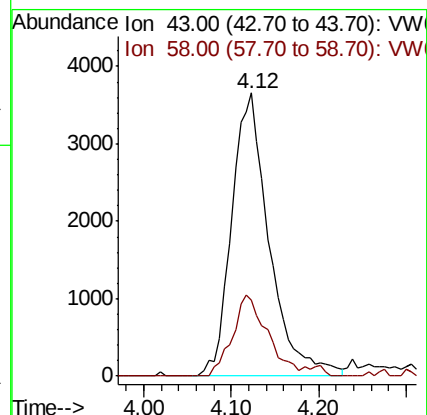
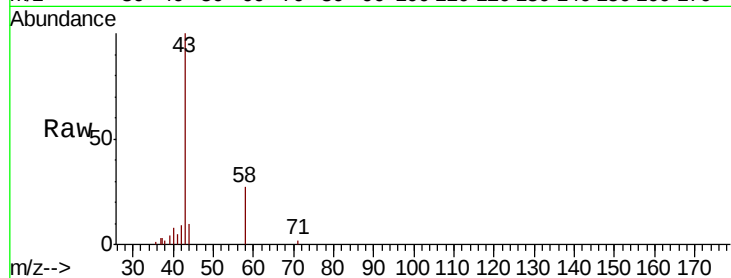
T8-A4-(0)

Tgt Ion: 43 Resp: 10909

Ion Ratio Lower Upper

43 100

58 27.1 22.3 33.5



#20

Methylene Chloride

Concen: 2.450 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW011939.D

Acq: 15 Aug 2019 20:01

Tgt Ion: 84 Resp: 5976

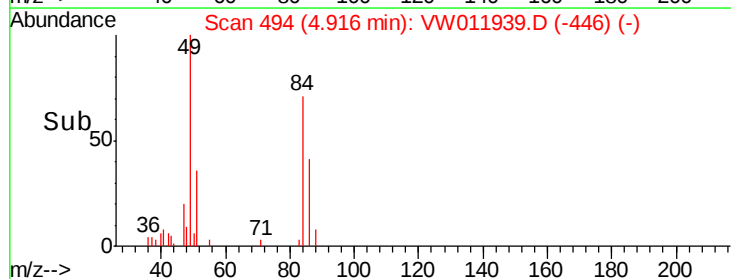
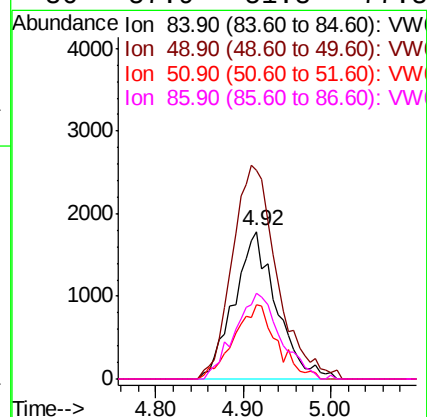
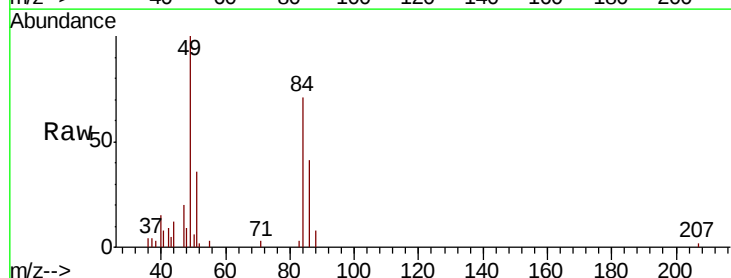
Ion Ratio Lower Upper

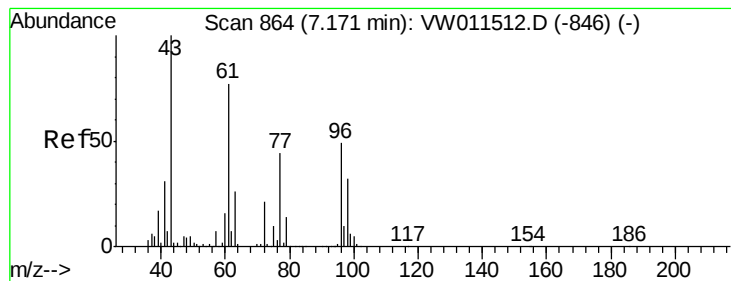
84 100

49 141.4 117.8 176.6

51 50.5 37.0 55.4

86 57.9 51.8 77.8





#25

2-Butanone

Concen: 1.244 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW011939.D

Acq: 15 Aug 2019 20:01

Instrument :

MSVOA_W

ClientSampled :

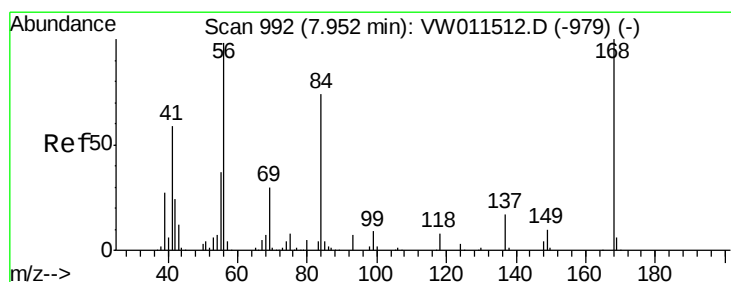
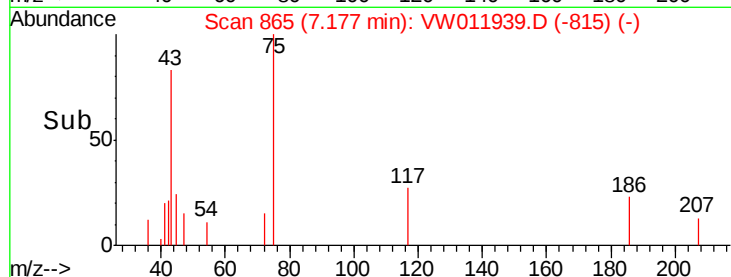
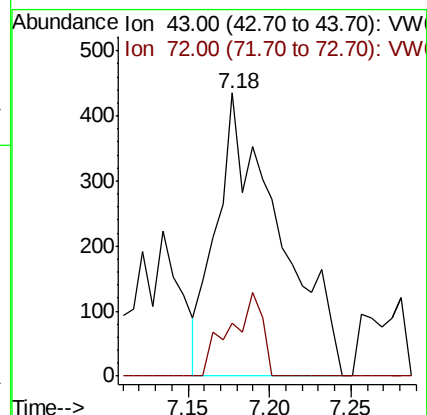
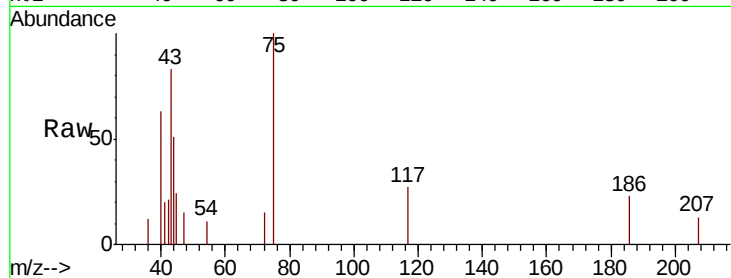
T8-A4-(0)

Tgt Ion: 43 Resp: 1151

Ion Ratio Lower Upper

43 100

72 18.6 16.6 24.8



#31

Cyclohexane

Concen: 1.214 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW011939.D

Acq: 15 Aug 2019 20:01

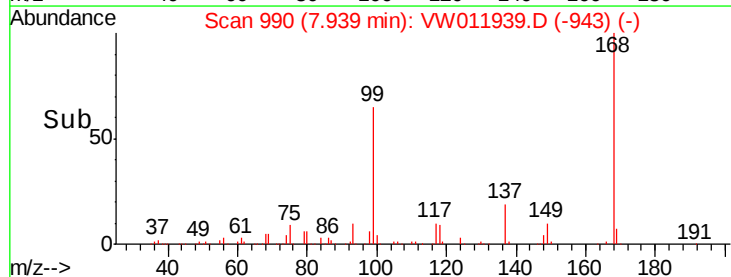
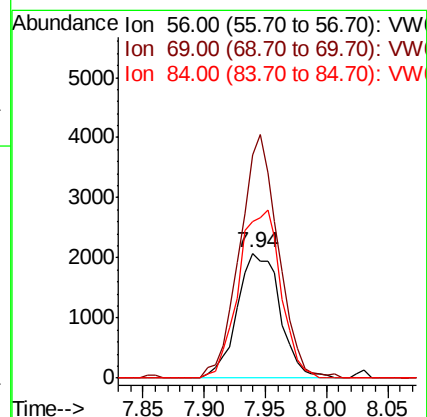
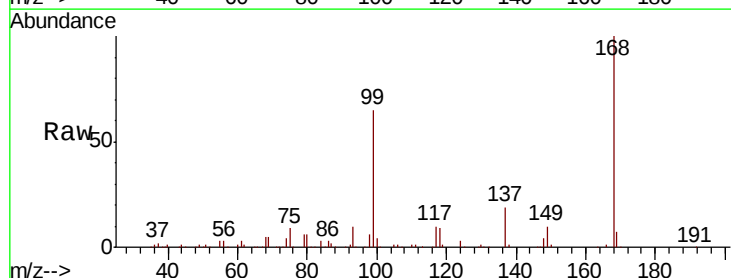
Tgt Ion: 56 Resp: 5048

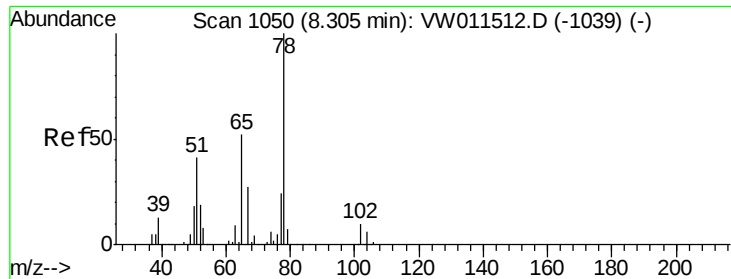
Ion Ratio Lower Upper

56 100

69 179.0 24.3 36.5#

84 125.8 60.4 90.6#

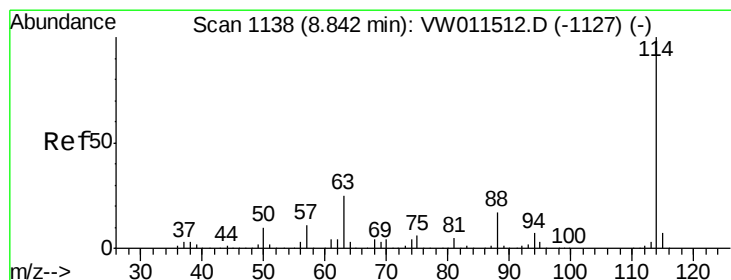
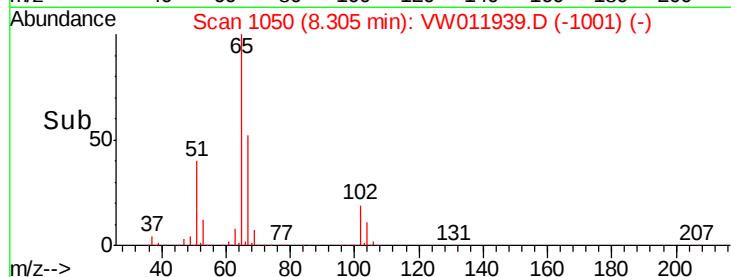
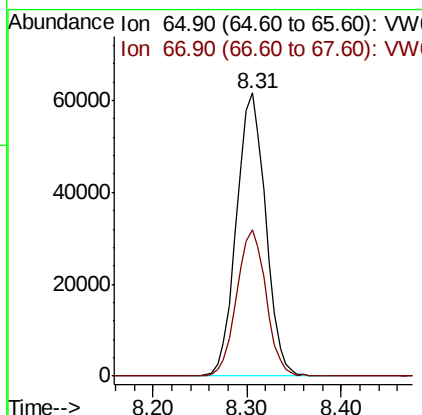
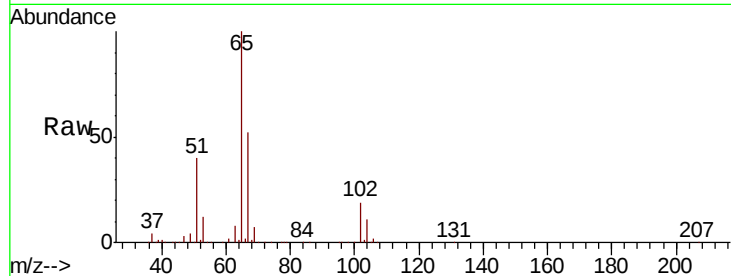




#33
 1,2-Dichloroethane-d4
 Concen: 60.097 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011939.D
 Acq: 15 Aug 2019 20:01

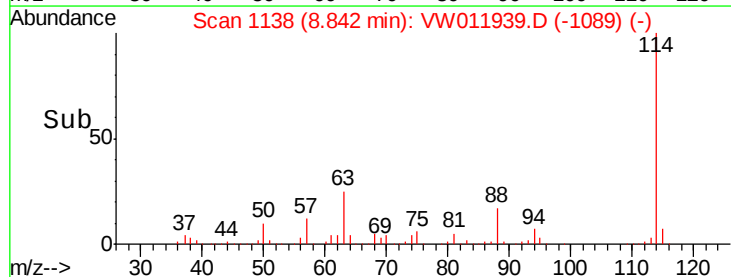
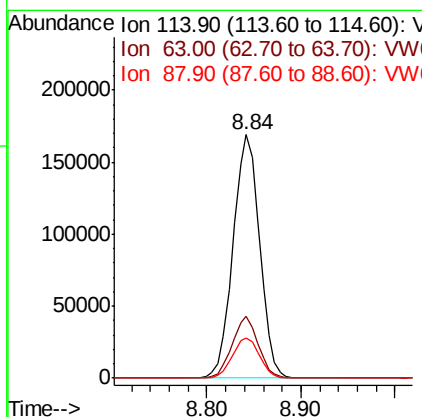
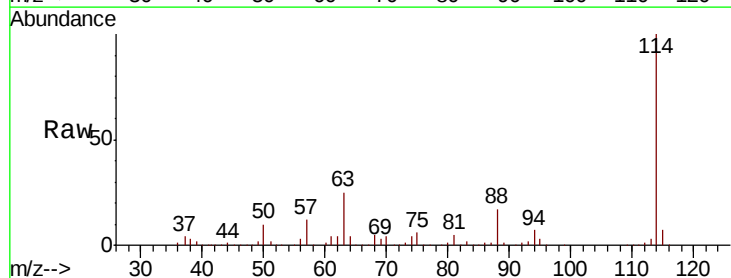
Instrument :
 MSVOA_W
 ClientSampleId :
 T8-A4-(0)

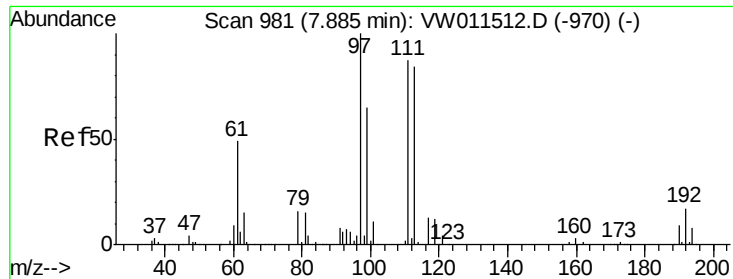
Tgt Ion: 65 Resp: 133611
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011939.D
 Acq: 15 Aug 2019 20:01

Tgt Ion: 114 Resp: 331135
 Ion Ratio Lower Upper
 114 100
 63 25.2 0.0 49.2
 88 16.6 0.0 33.8

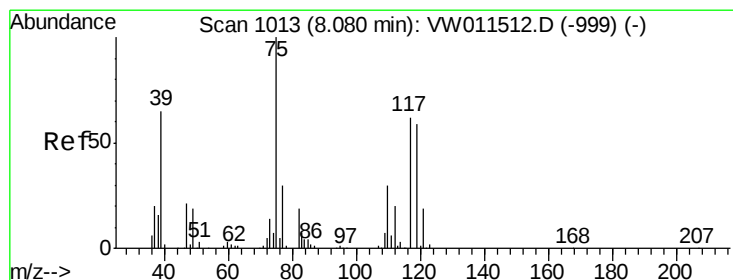
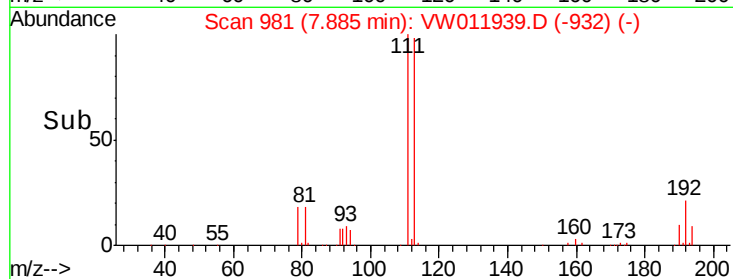
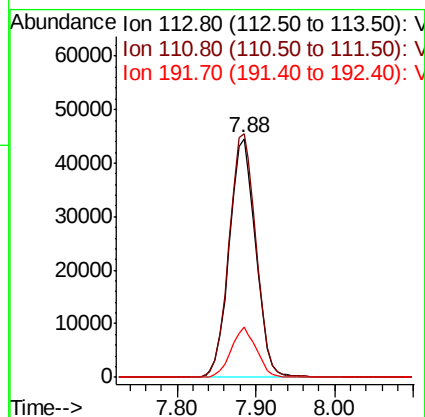
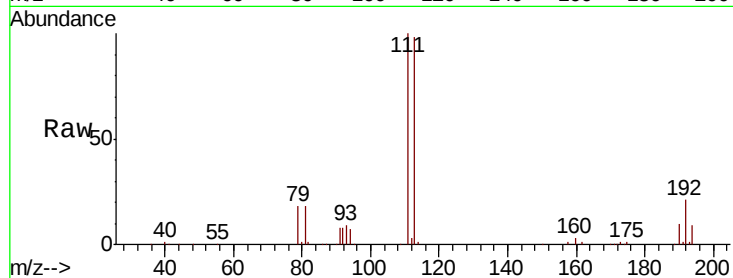




#35
 Dibromofluoromethane
 Concen: 55.820 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW011939.D
 Acq: 15 Aug 2019 20:01

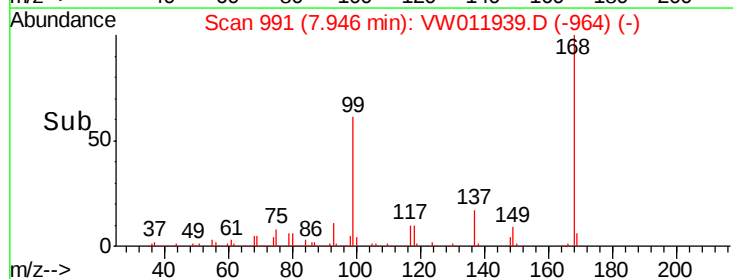
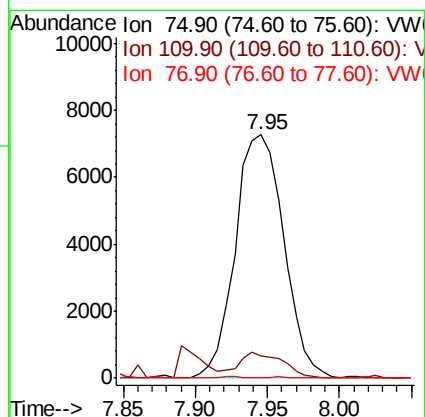
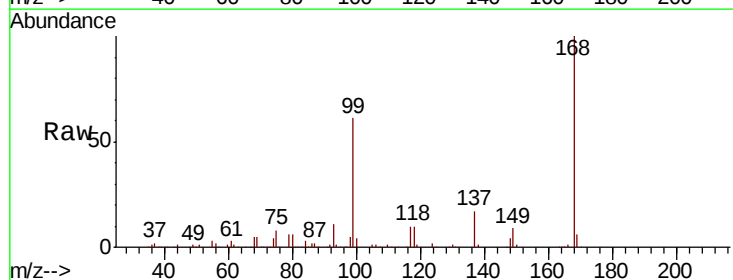
Instrument :
 MSVOA_W
 ClientSampleId :
 T8-A4-(0)

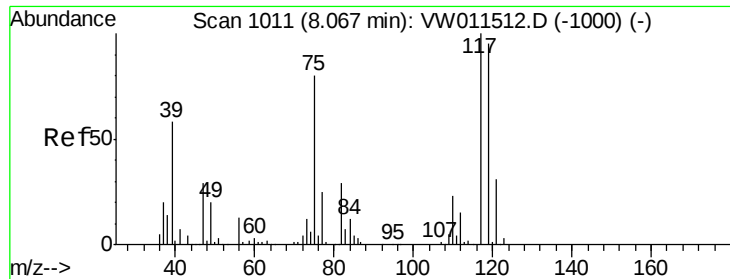
Tgt Ion:113 Resp: 103698
 Ion Ratio Lower Upper
 113 100
 111 104.0 82.7 124.1
 192 20.1 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 4.954 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011939.D
 Acq: 15 Aug 2019 20:01

Tgt Ion: 75 Resp: 17056
 Ion Ratio Lower Upper
 75 100
 110 9.6 15.6 46.8#
 77 0.3 24.3 36.5#

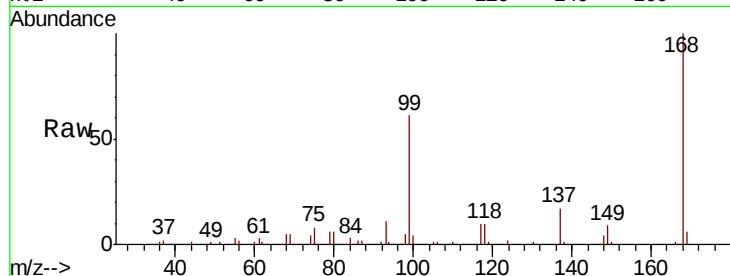




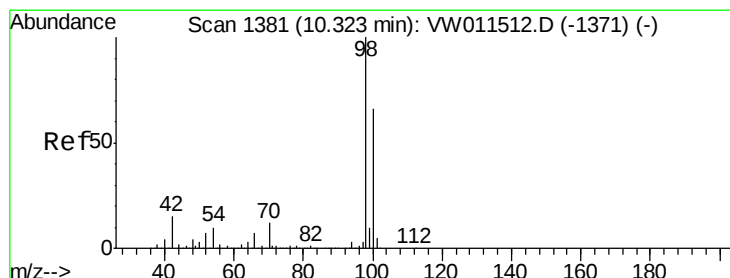
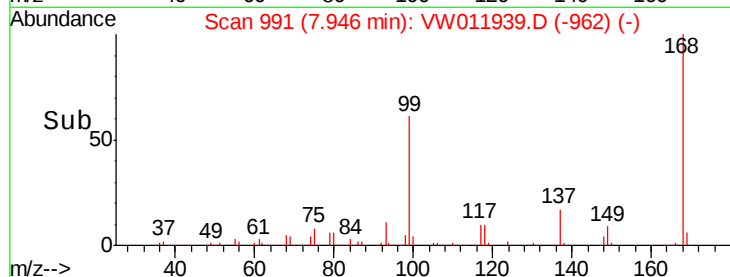
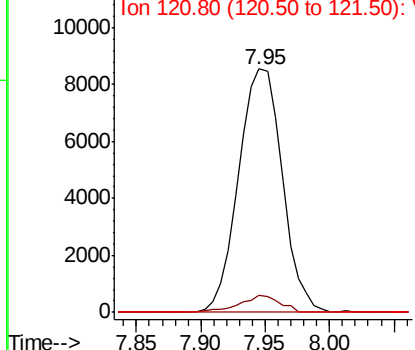
#38
Carbon Tetrachloride
Concen: 6.819 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW011939.D
Acq: 15 Aug 2019 20:01

Instrument :
MSVOA_W
ClientSampleId :
T8-A4-(0)

Tgt Ion:117 Resp: 20099
Ion Ratio Lower Upper
117 100
119 6.9 75.8 113.6#
121 0.0 24.7 37.1#

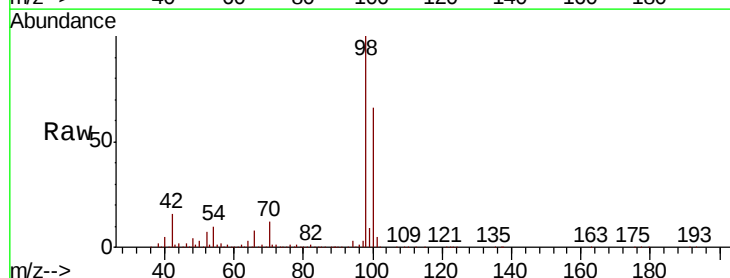


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

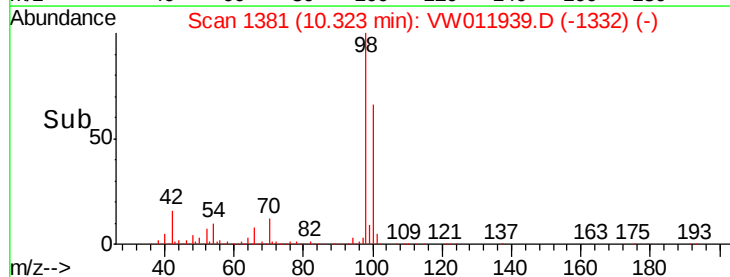
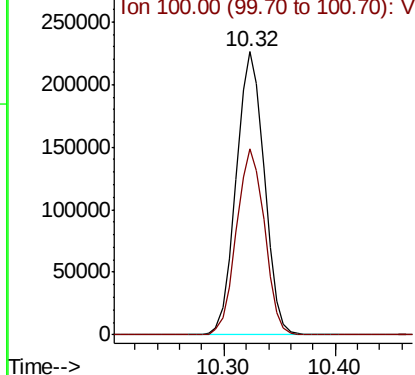


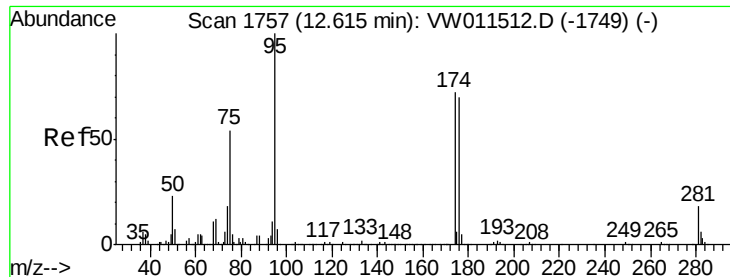
#50
Toluene-d8
Concen: 51.981 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011939.D
Acq: 15 Aug 2019 20:01

Tgt Ion: 98 Resp: 395372
Ion Ratio Lower Upper
98 100
100 65.8 52.7 79.1



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

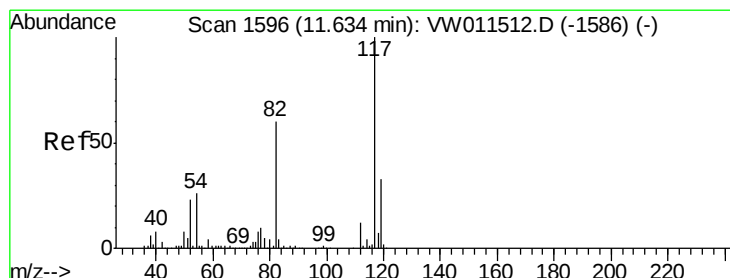
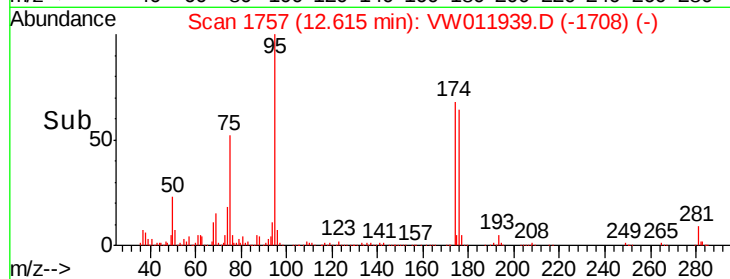
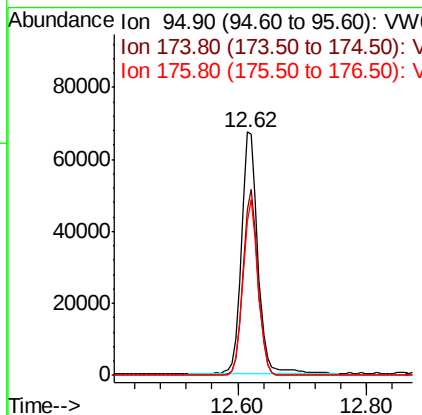
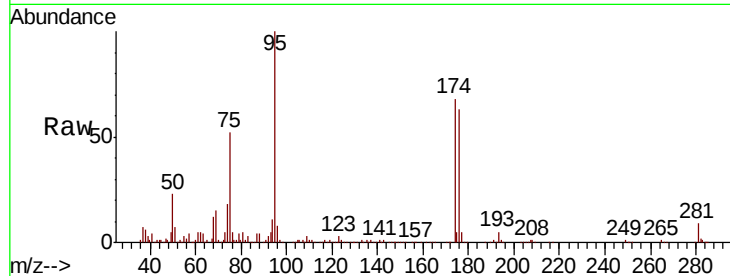




#62
4-Bromofluorobenzene
Concen: 44.198 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW011939.D
Acq: 15 Aug 2019 20:01

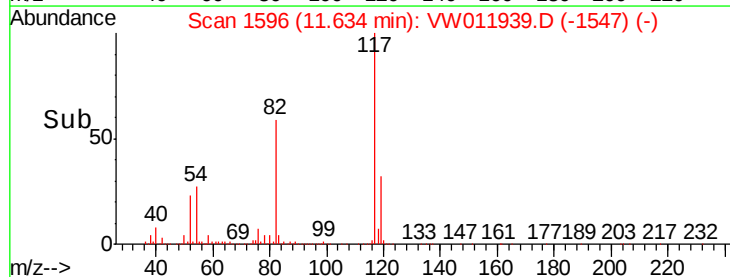
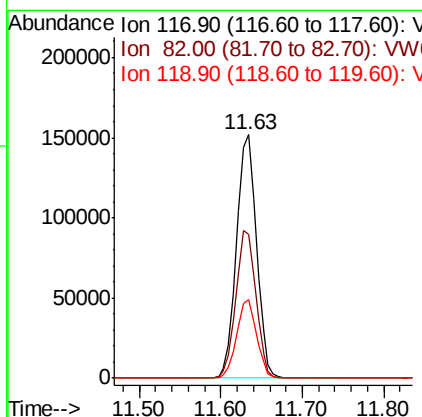
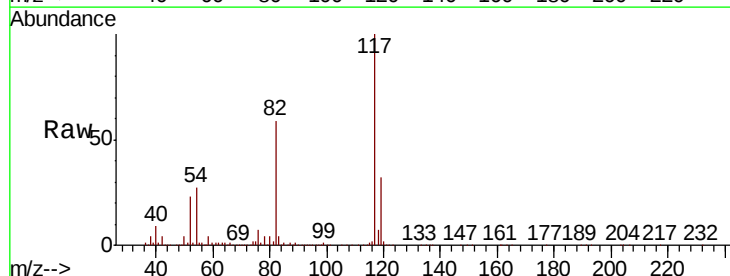
Instrument :
MSVOA_W
ClientSampleId :
T8-A4-(0)

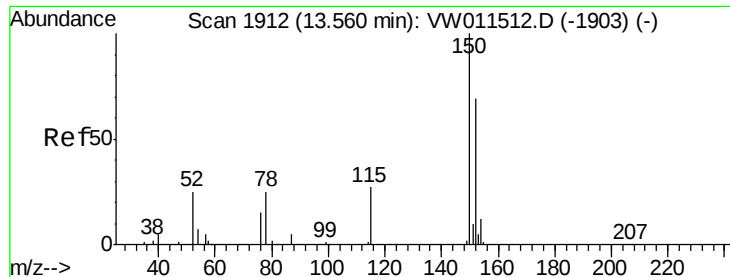
Tgt Ion: 95 Resp: 119852
Ion Ratio Lower Upper
95 100
174 68.6 0.0 150.2
176 65.6 0.0 144.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW011939.D
Acq: 15 Aug 2019 20:01

Tgt Ion: 117 Resp: 254691
Ion Ratio Lower Upper
117 100
82 59.0 47.9 71.9
119 32.0 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: VW011939.D

Acq: 15 Aug 2019 20:01

Instrument :

MSVOA_W

ClientSampled :

T8-A4-(0)

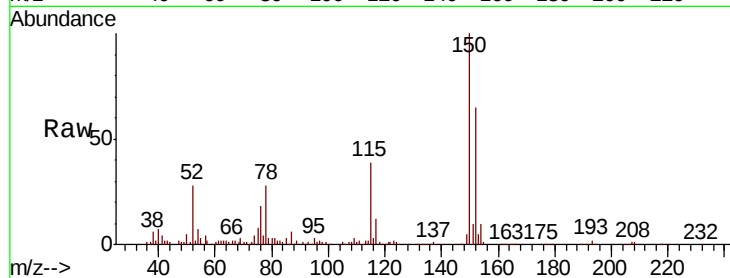
Tgt Ion: 152 Resp: 76333

Ion Ratio Lower Upper

152 100

115 59.6 30.5 91.5

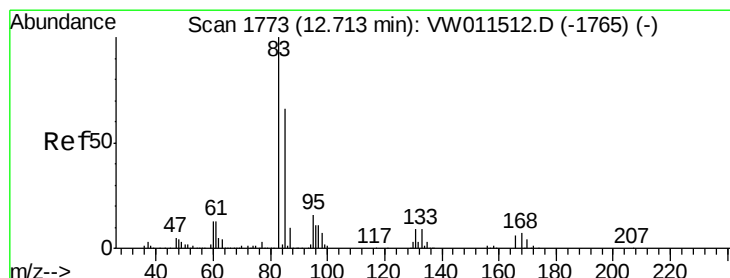
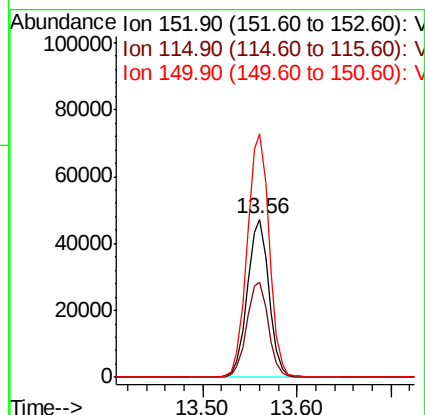
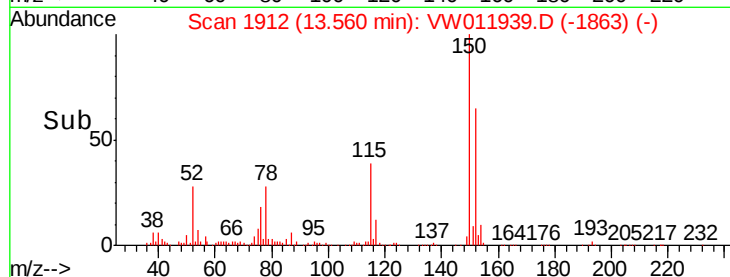
150 154.9 0.0 352.6



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



#75

1,1,2,2-Tetrachloroethane

Concen: 10.209 ug/l

RT: 12.65 min Scan# 1763

Delta R.T. -0.06 min

Lab File: VW011939.D

Acq: 15 Aug 2019 20:01

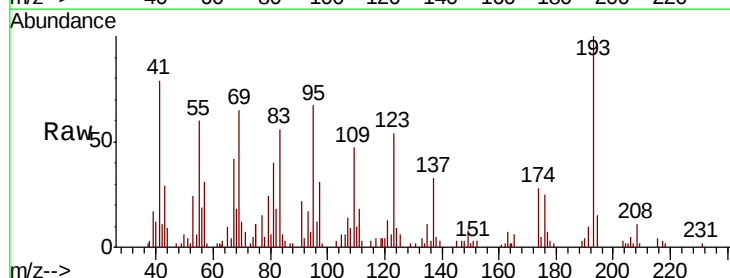
Tgt Ion: 83 Resp: 10935

Ion Ratio Lower Upper

83 100

131 0.6 4.9 14.6#

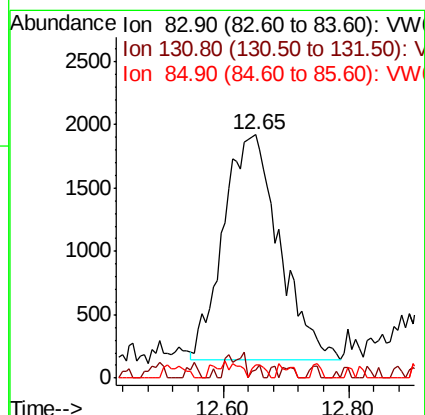
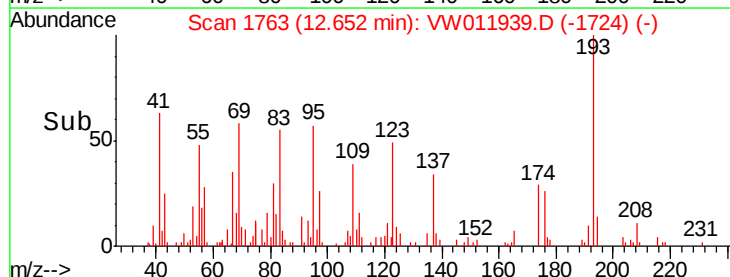
85 1.4 31.8 95.4#

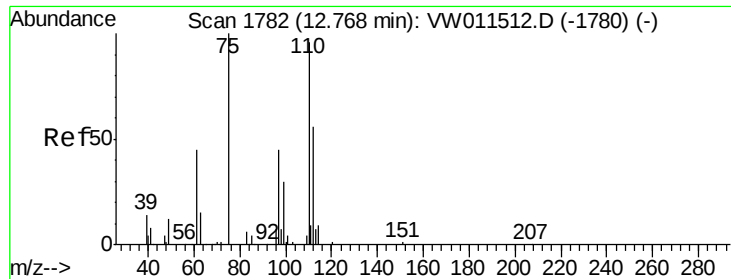


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW





#76

1,2,3-Trichloropropane

Concen: 73.233 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW011939.D

Acq: 15 Aug 2019 20:01

Instrument :

MSVOA_W

ClientSampleId :

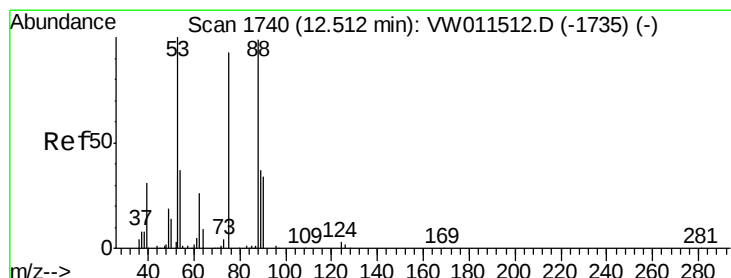
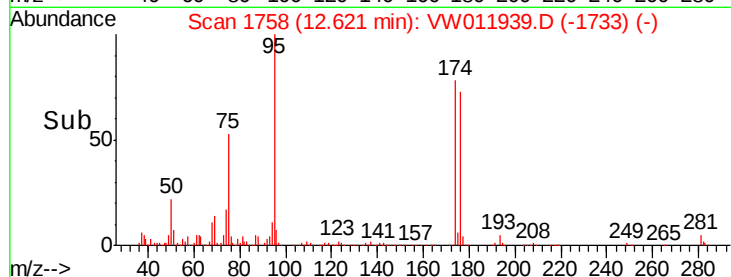
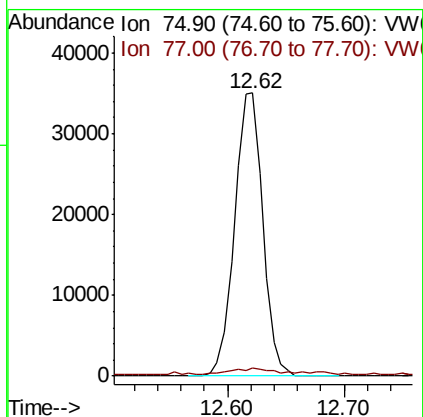
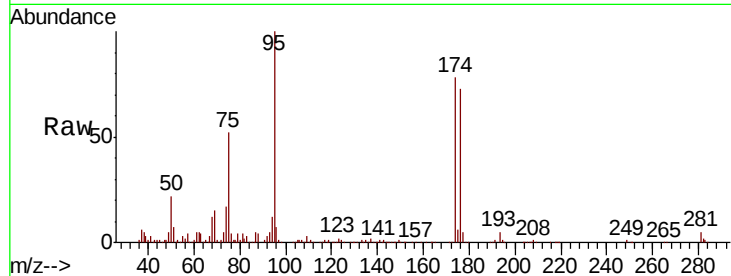
T8-A4-(0)

Tgt Ion: 75 Resp: 59150

Ion Ratio Lower Upper

75 100

77 2.9 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 168.778 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW011939.D

Acq: 15 Aug 2019 20:01

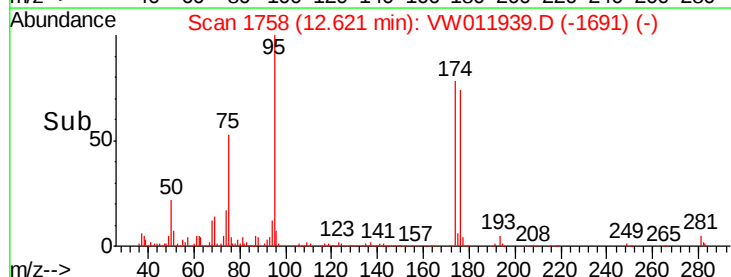
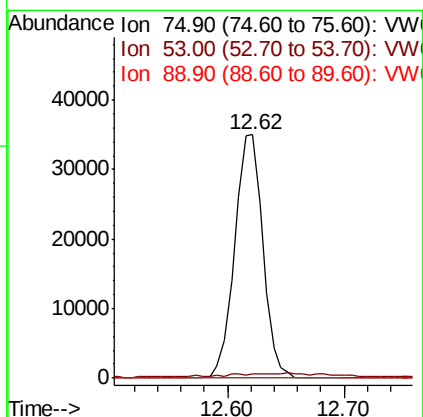
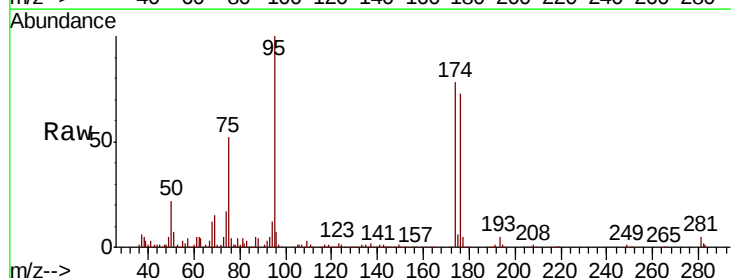
Tgt Ion: 75 Resp: 59150

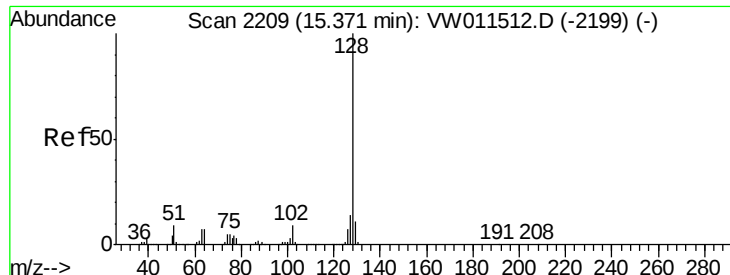
Ion Ratio Lower Upper

75 100

53 2.0 88.0 132.0#

89 0.0 35.3 52.9#





#95
Naphthalene
Concen: 2.405 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011939.D
Acq: 15 Aug 2019 20:01

Instrument :
MSVOA_W
ClientSampleId :
T8-A4-(0)

Tgt Ion:128 Resp: 1067
Ion Ratio Lower Upper
128 100
127 5.5 10.6 16.0#
129 14.1 8.6 13.0#

