

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090319\
 Data File : VW012554.D
 Acq On : 03 Sep 2019 18:30
 Operator : SY/VA
 Sample : K4550-01RE
 Misc : 4.28G/5ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 03 19:08:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	230495	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	361152	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	250735	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	59670	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	147942	53.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.98%	
35) Dibromofluoromethane	7.88	113	115784	53.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.42%	
50) Toluene-d8	10.32	98	427001	48.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.70%	
62) 4-Bromofluorobenzene	12.61	95	92000	29.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	59.72%	

Target Compounds

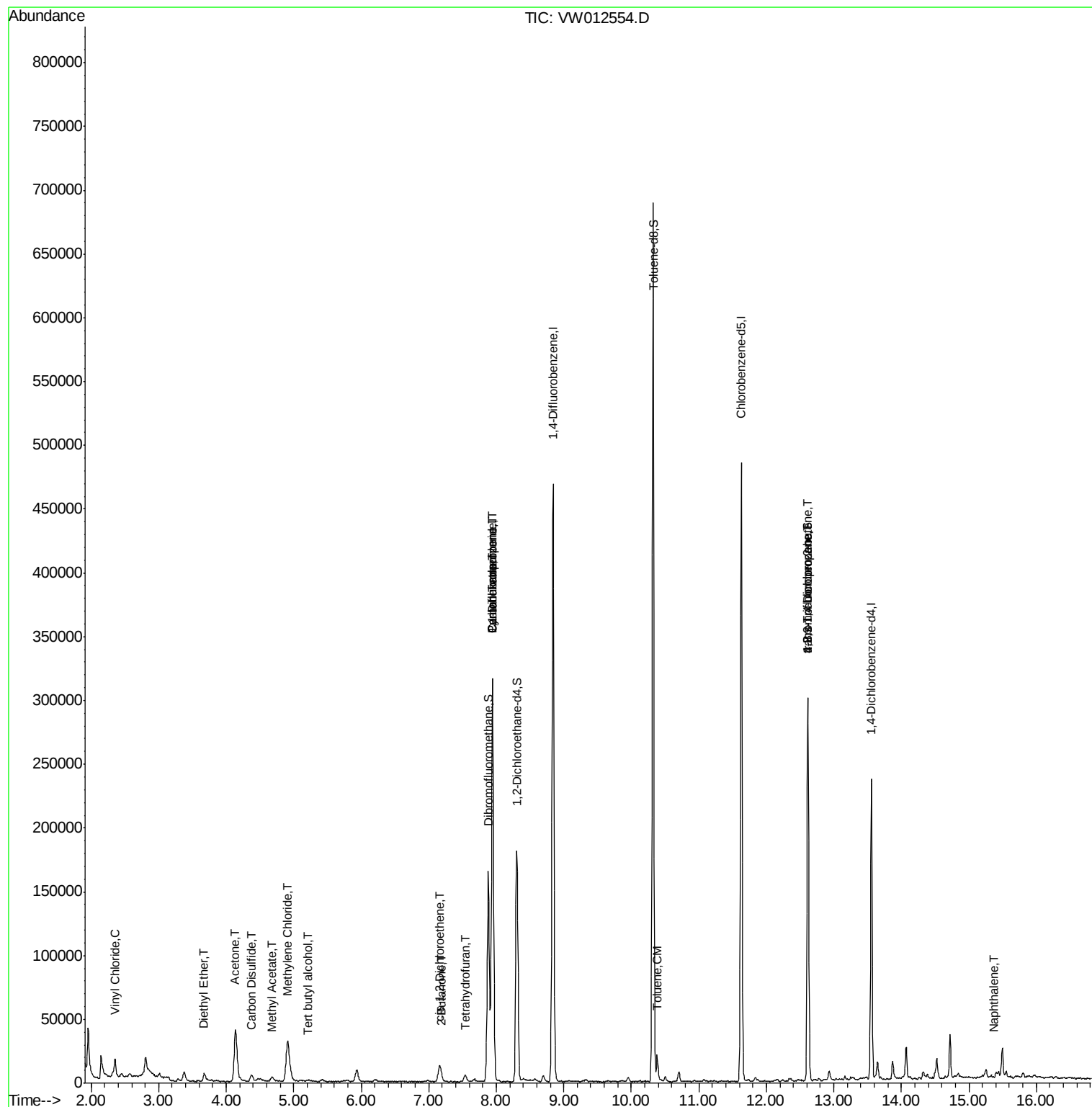
						Qvalue
4) Vinyl Chloride	2.35	62	3850	1.431	ug/l	99
8) Diethyl Ether	3.67	74	3490	2.721	ug/l	90
11) Tert butyl alcohol	5.21	59	1600	9.703	ug/l	95
16) Acetone	4.13	43	84927	121.254	ug/l	96
17) Carbon Disulfide	4.37	76	11143	1.595	ug/l	99
18) Methyl Acetate	4.68	43	6834	3.939	ug/l	93
20) Methylene Chloride	4.91	84	23974	9.054	ug/l	93
25) 2-Butanone	7.19	43	3886	4.083	ug/l #	74
27) cis-1,2-Dichloroethene	7.17	96	4864	1.836	ug/l	93
29) Tetrahydrofuran	7.54	42	4881	8.548	ug/l	97
31) Cyclohexane	7.95	56	5876	1.191	ug/l #	11
36) 1,1-Dichloropropene	7.94	75	19413	5.202	ug/l #	53
38) Carbon Tetrachloride	7.95	117	23643	7.319	ug/l #	16
52) Toluene	10.38	92	8340	1.362	ug/l	94
76) 1,2,3-Trichloropropane	12.61	75	49979	86.001	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.61	75	49979	188.561	ug/l #	6
95) Naphthalene	15.37	128	506	4.526	ug/l #	69

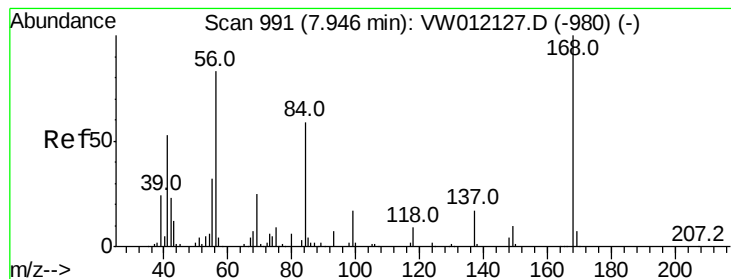
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW090319\
Data File : VW012554.D
Acq On : 03 Sep 2019 18:30
Operator : SY/VA
Sample : K4550-01RE
Misc : 4.28G/5ML/MSVOA W/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Sep 03 19:08:45 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 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: VW012554.D

Acq: 03 Sep 2019 18:30

Instrument :

MSVOA_W

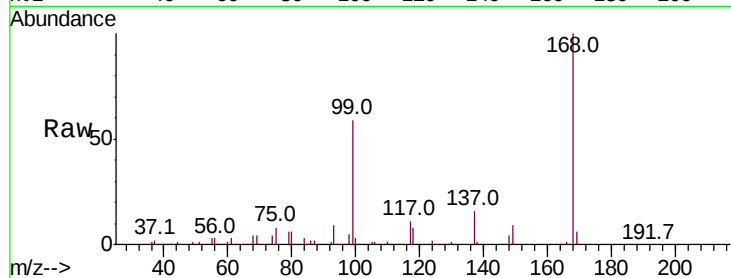
ClientSampleId :

Tot Ion:168 Resp: 230495

Ion Ratio Lower Upper

168 100

99 59.4 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

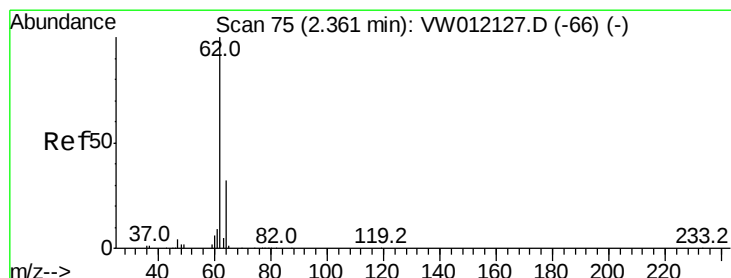
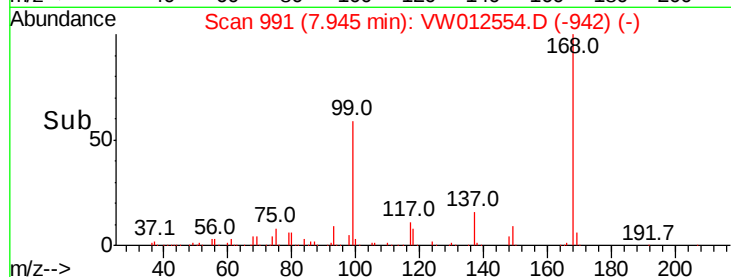
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#4

Vinyl Chloride

Concen: 1.431 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW012554.D

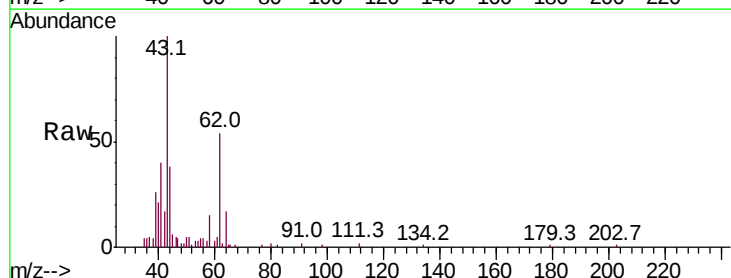
Acq: 03 Sep 2019 18:30

Tgt Ion: 62 Resp: 3850

Ion Ratio Lower Upper

62 100

64 32.3 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW

2.35

2500

2000

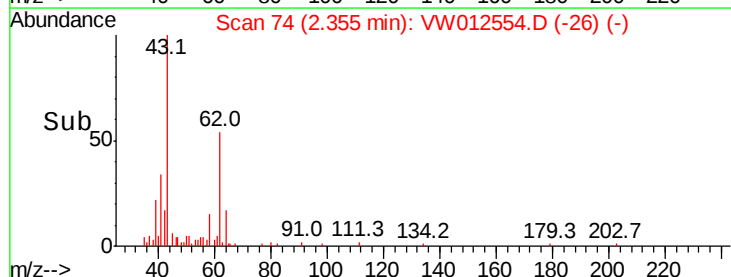
1500

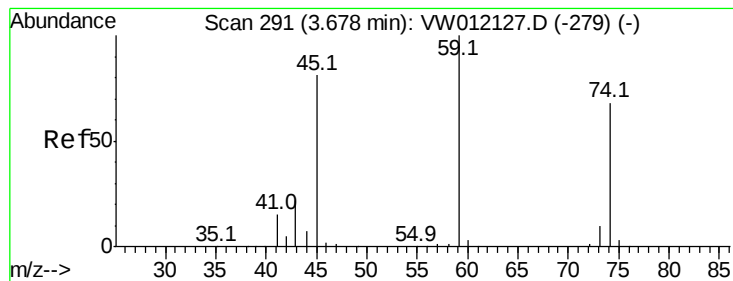
1000

500

0

Time--> 2.30 2.35 2.40





#8

Diethyl Ether

Concen: 2.721 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012554.D

Acq: 03 Sep 2019 18:30

Instrument :

MSVOA_W

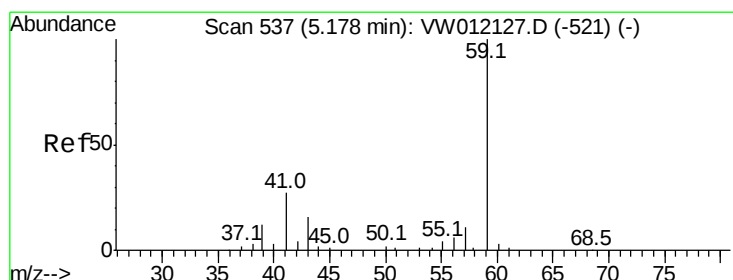
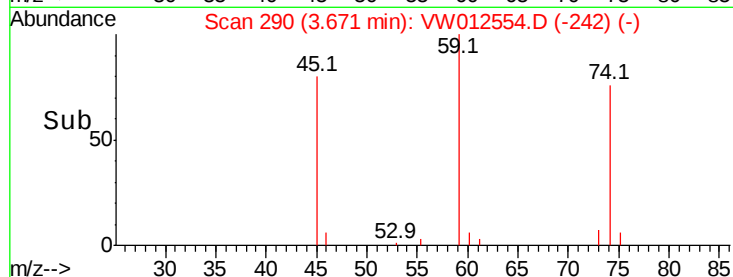
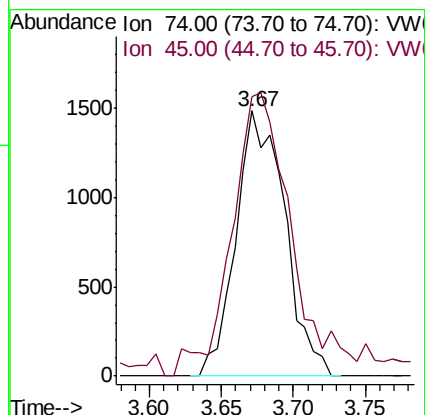
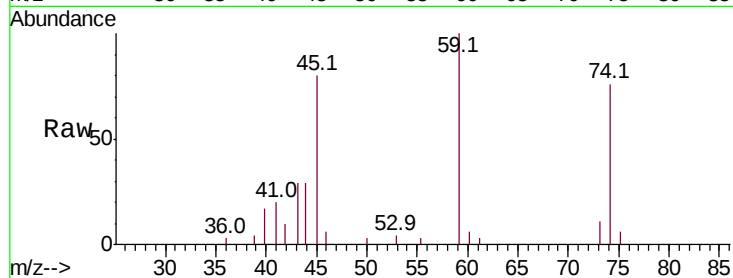
ClientSampled :

Tot Ion: 74 Resp: 3490

Ion Ratio Lower Upper

74 100

45 129.8 59.2 177.6



#11

Tert butyl alcohol

Concen: 9.703 ug/l

RT: 5.21 min Scan# 543

Delta R.T. 0.04 min

Lab File: VW012554.D

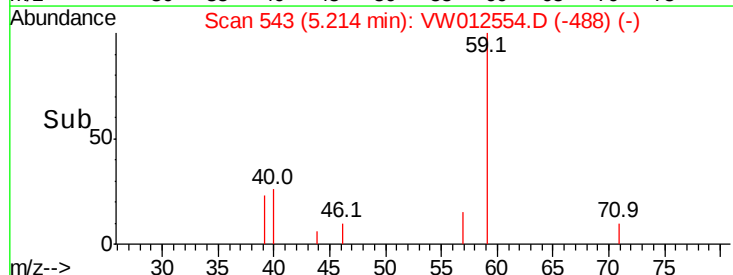
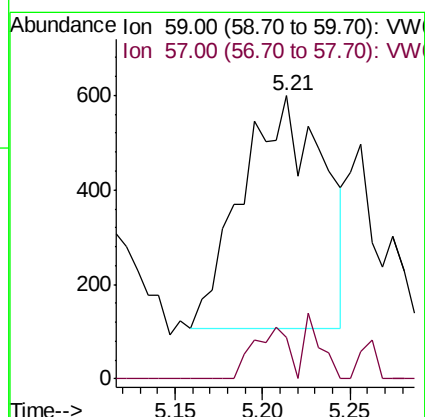
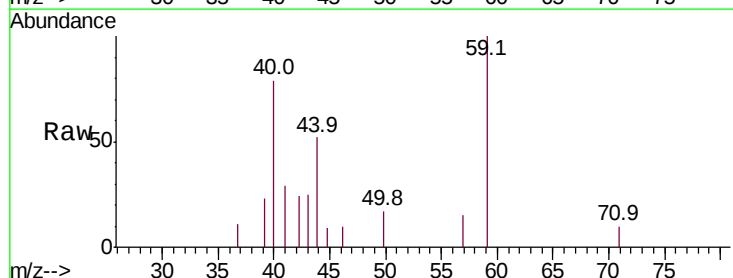
Acq: 03 Sep 2019 18:30

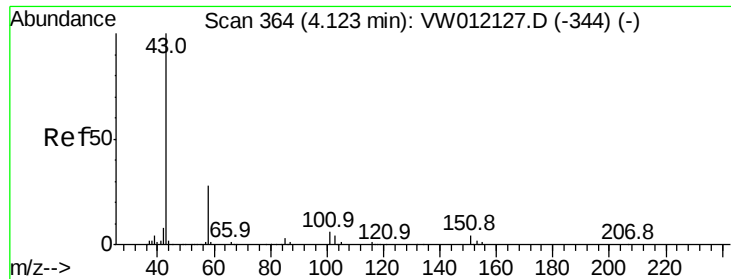
Tgt Ion: 59 Resp: 1600

Ion Ratio Lower Upper

59 100

57 9.3 9.0 13.4

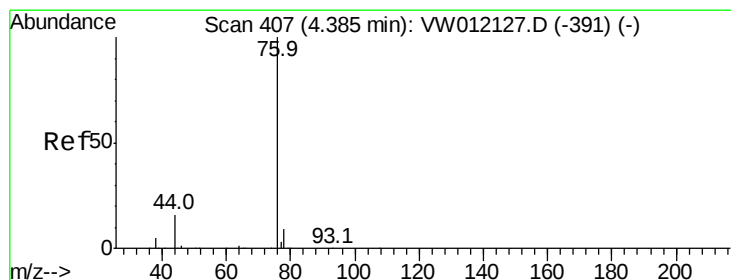
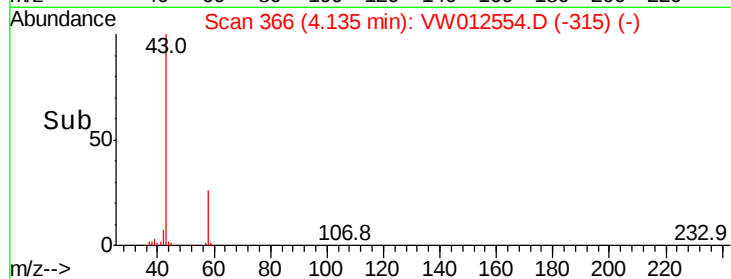
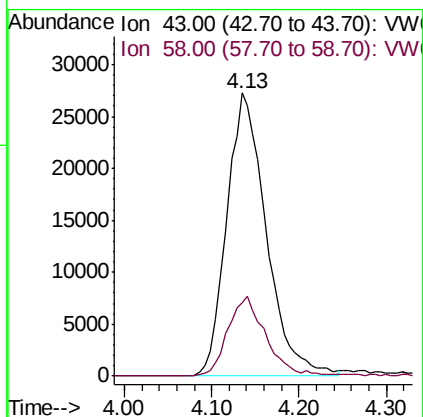
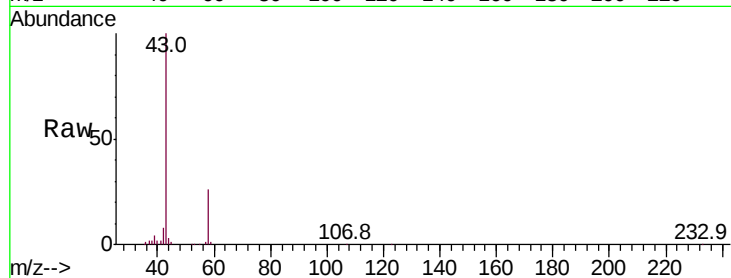




#16
Acetone
Concen: 121.254 ug/l
RT: 4.13 min Scan# 366
Delta R.T. 0.01 min
Lab File: VW012554.D
Acq: 03 Sep 2019 18:30

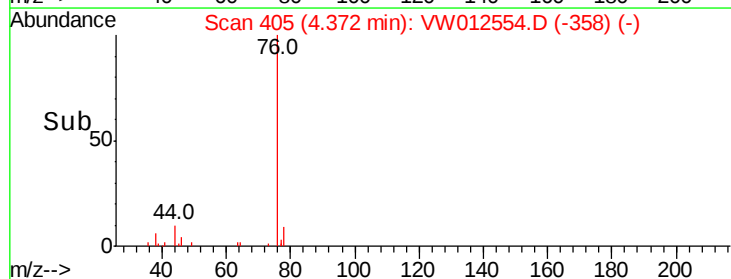
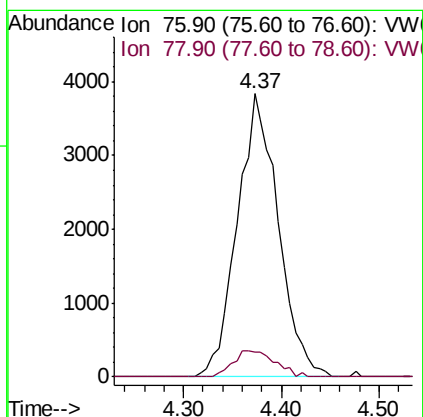
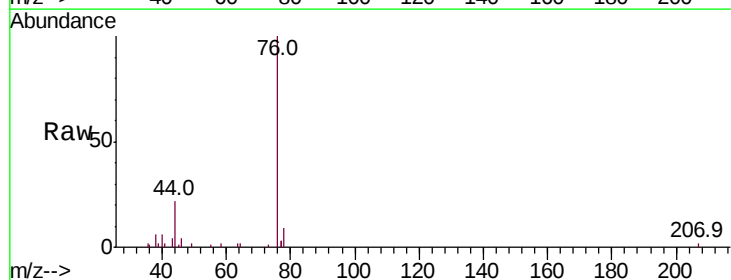
Instrument :
MSVOA_W
ClientSampleId :

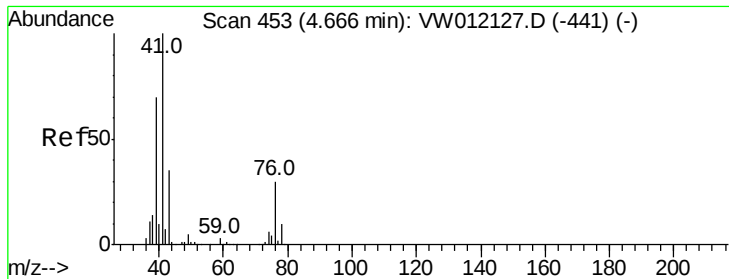
Tot Ion: 43 Resp: 84927
Ion Ratio Lower Upper
43 100
58 26.1 22.4 33.6



#17
Carbon Disulfide
Concen: 1.595 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW012554.D
Acq: 03 Sep 2019 18:30

Tgt Ion: 76 Resp: 11143
Ion Ratio Lower Upper
76 100
78 8.7 7.3 10.9

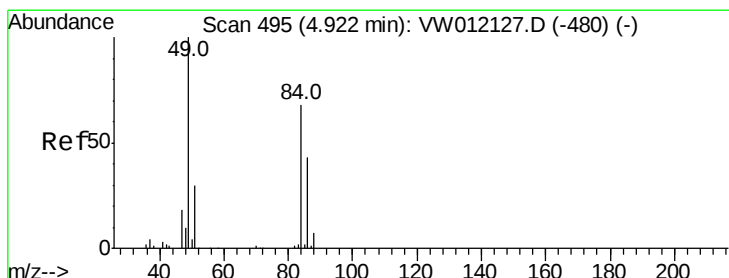
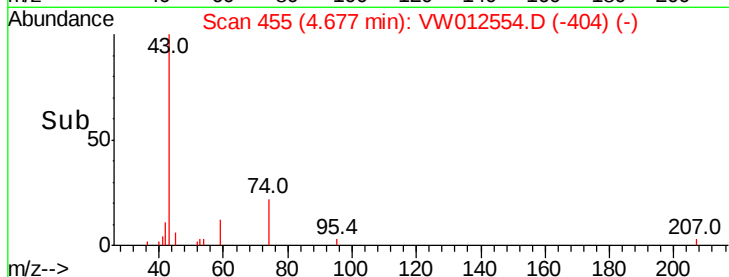
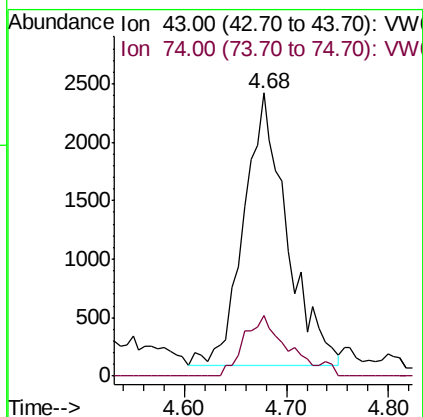
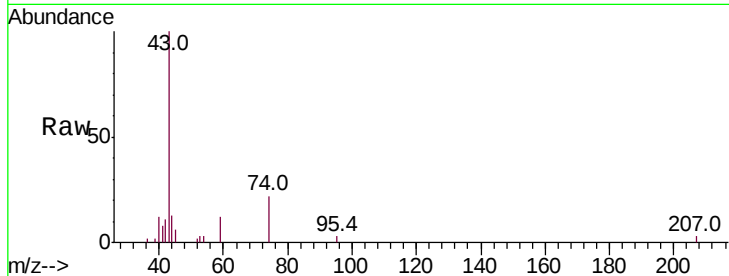




#18
Methvl Acetate
Concen: 3.939 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW012554.D
Acq: 03 Sep 2019 18:30

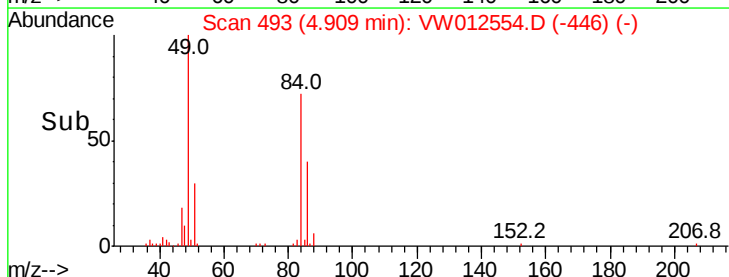
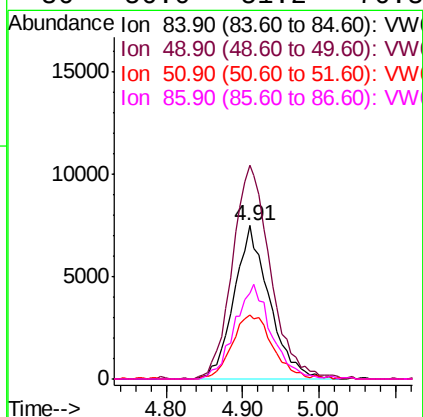
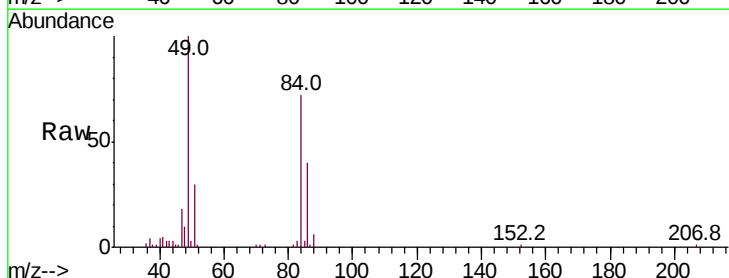
Instrument :
MSVOA_W
ClientSampled :

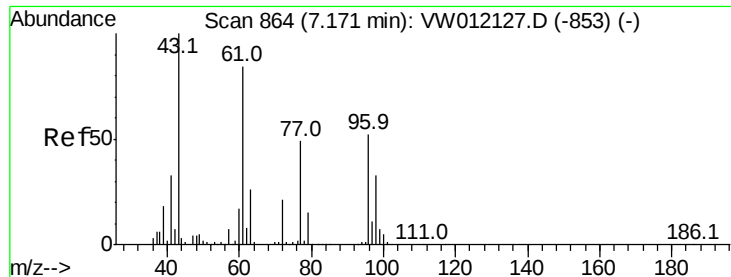
Tot Ion: 43 Resp: 6834
Ion Ratio Lower Upper
43 100
74 22.9 15.7 23.5



#20
Methylene Chloride
Concen: 9.054 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012554.D
Acq: 03 Sep 2019 18:30

Tgt Ion: 84 Resp: 23974
Ion Ratio Lower Upper
84 100
49 139.2 117.8 176.8
51 41.7 35.6 53.4
86 56.0 51.2 76.8





#25

2-Butanone

Concen: 4.083 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.02 min

Lab File: VW012554.D

Acq: 03 Sep 2019 18:30

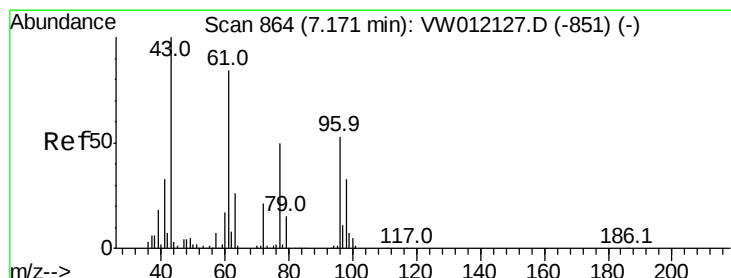
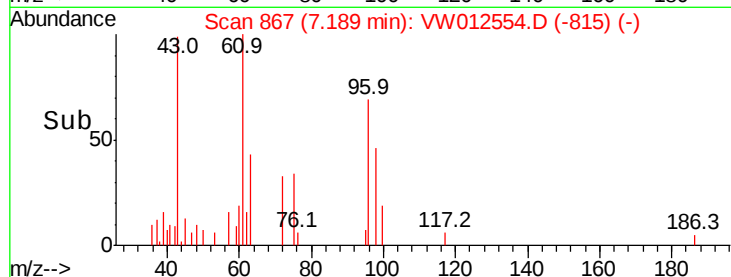
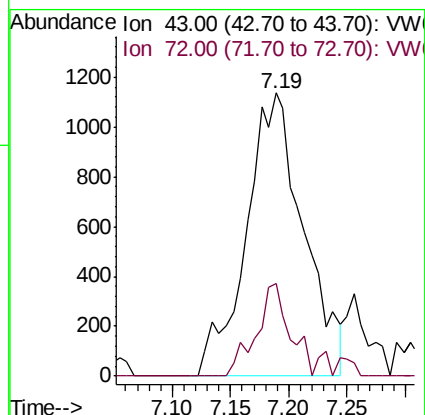
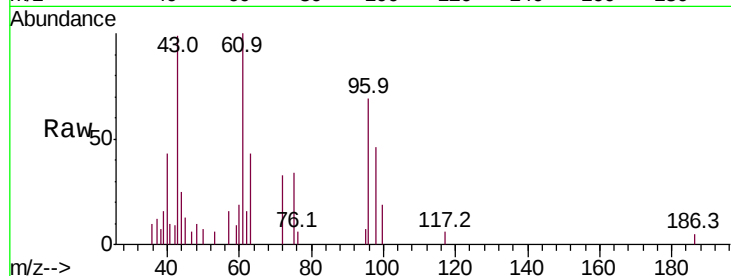
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 3886

Ion Ratio Lower Upper

43 100

72 32.9 16.6 24.8#



#27

cis-1,2-Dichloroethene

Concen: 1.836 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW012554.D

Acq: 03 Sep 2019 18:30

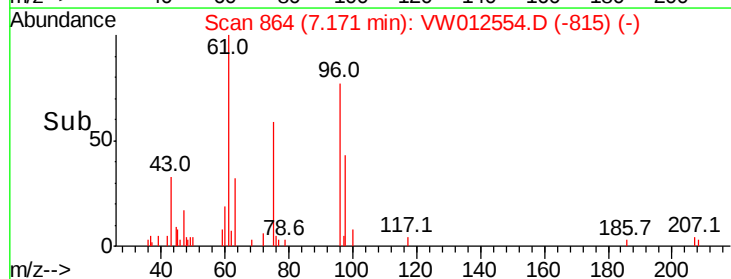
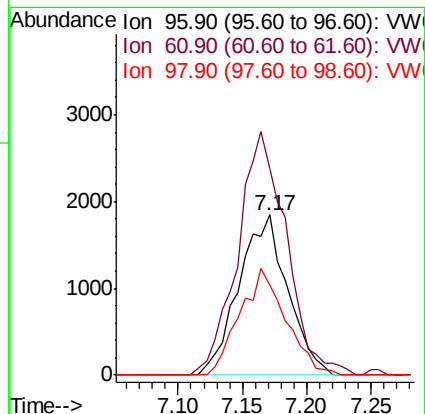
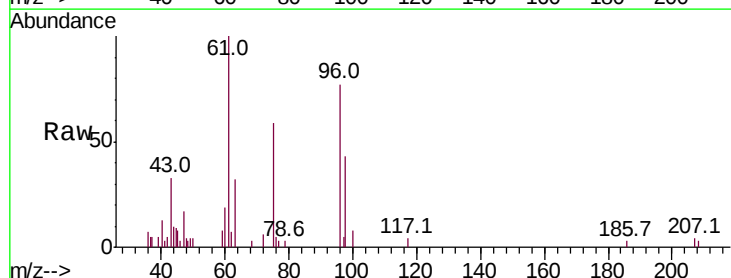
Tgt Ion: 96 Resp: 4864

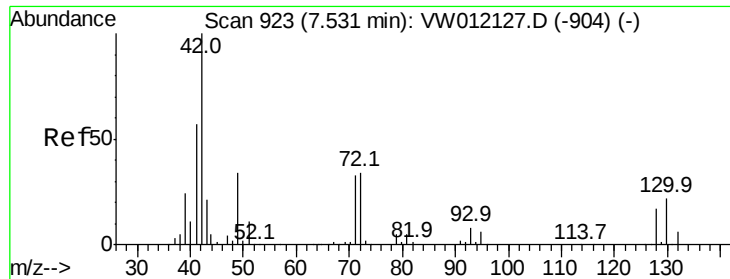
Ion Ratio Lower Upper

96 100

61 151.4 0.0 326.6

98 62.6 0.0 127.4





#29

Tetrahydrofuran

Concen: 8.548 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW012554.D

Acq: 03 Sep 2019 18:30

Instrument :

MSVOA_W

ClientSampled :

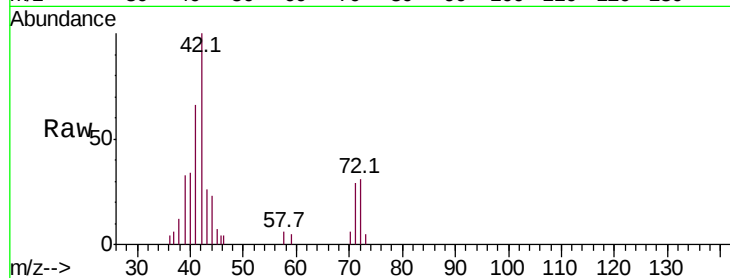
Tot Ion: 42 Resp: 4881

Ion Ratio Lower Upper

42 100

72 32.7 27.3 40.9

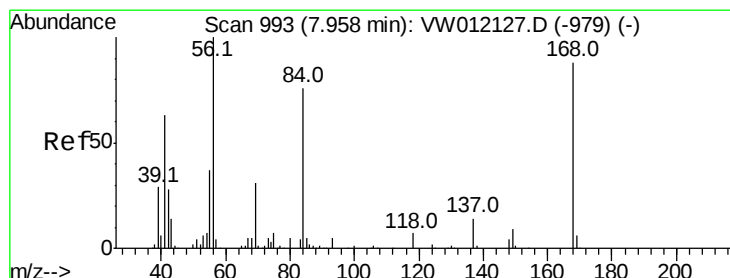
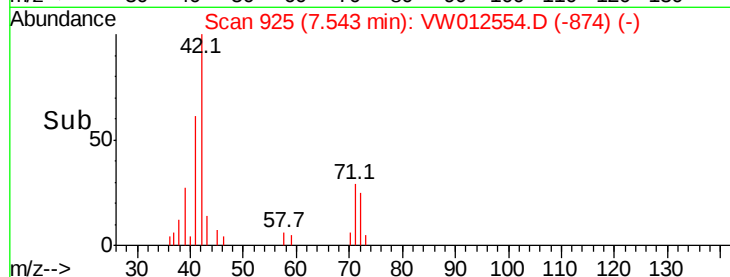
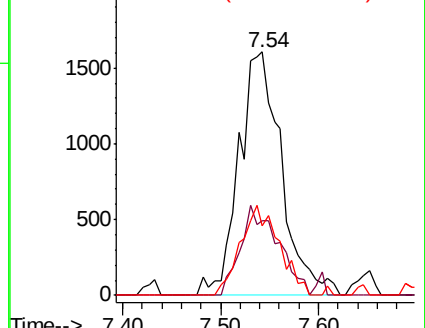
71 33.5 25.5 38.3



Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW



#31

Cyclohexane

Concen: 1.191 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012554.D

Acq: 03 Sep 2019 18:30

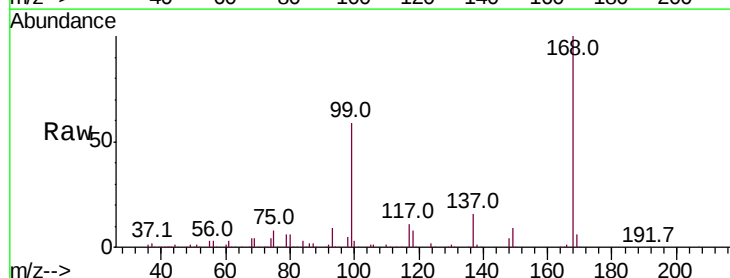
Tgt Ion: 56 Resp: 5876

Ion Ratio Lower Upper

56 100

69 161.8 24.9 37.3#

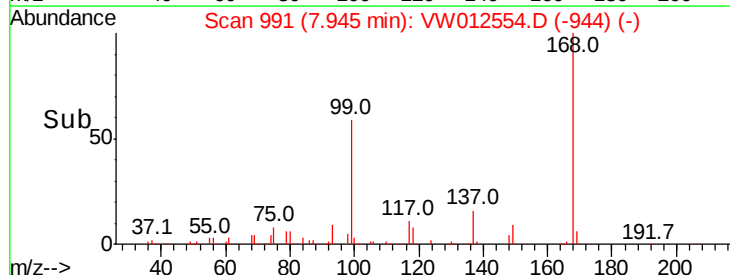
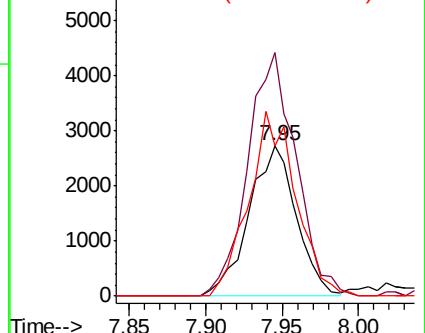
84 99.9 60.6 90.8#

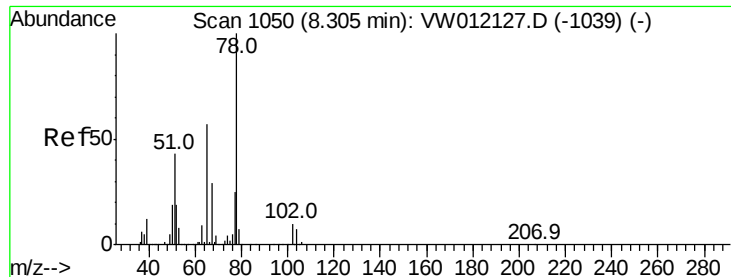


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

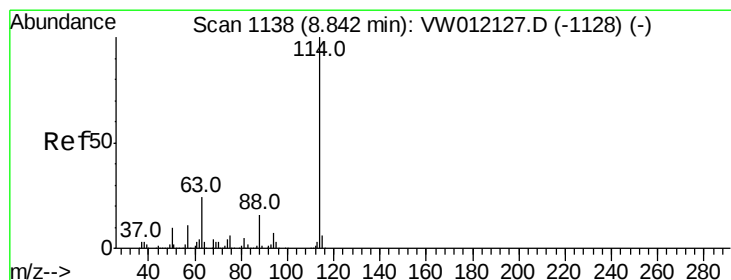
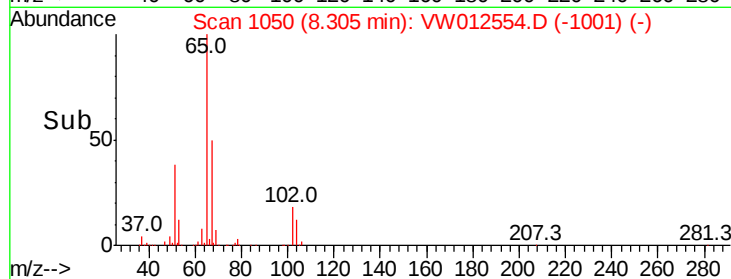
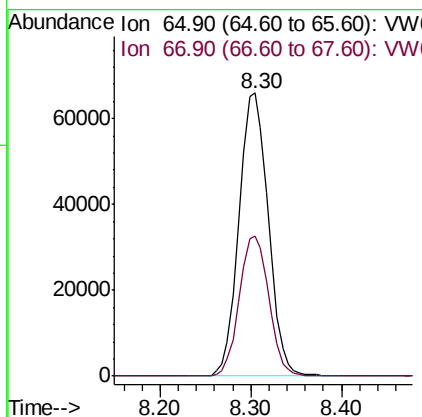
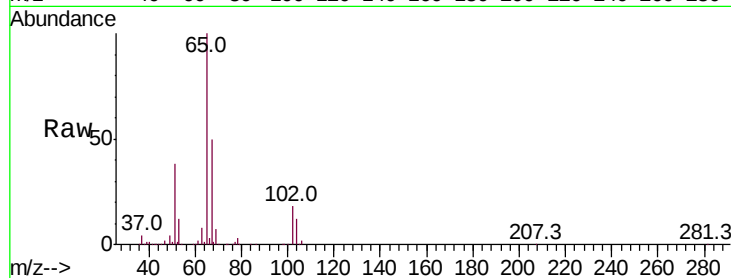




#33
 1,2-Dichloroethane-d4
 Concen: 53.993 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012554.D
 Acq: 03 Sep 2019 18:30

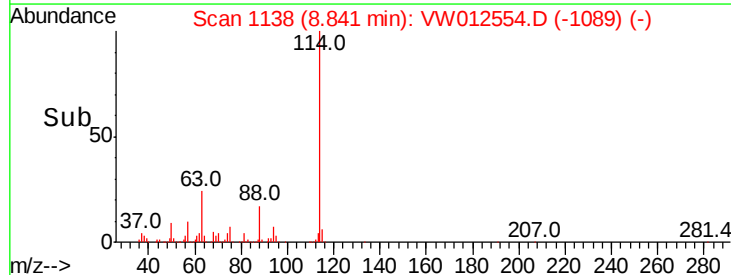
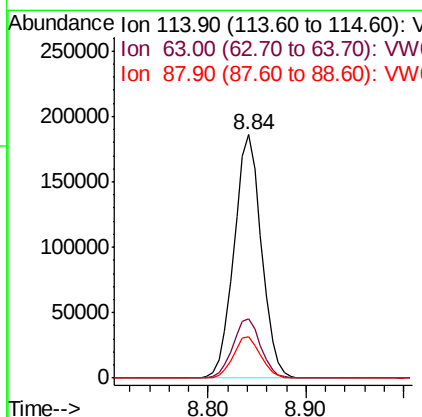
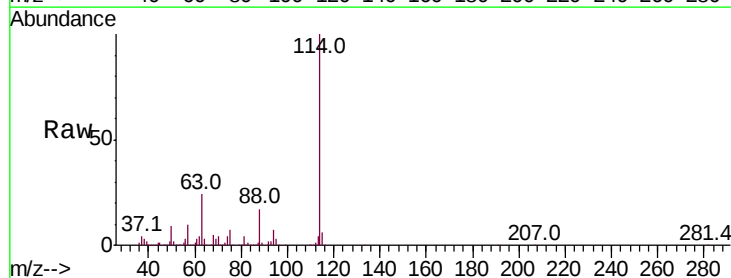
Instrument :
 MSVOA_W
 ClientSampleId :

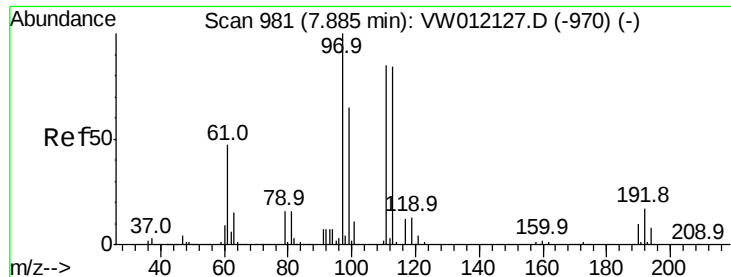
Tot Ion: 65 Resp: 147942
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012554.D
 Acq: 03 Sep 2019 18:30

Tgt Ion: 114 Resp: 361152
 Ion Ratio Lower Upper
 114 100
 63 24.4 0.0 48.6
 88 17.1 0.0 32.2

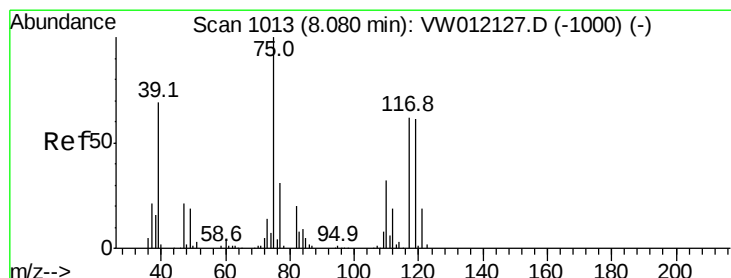
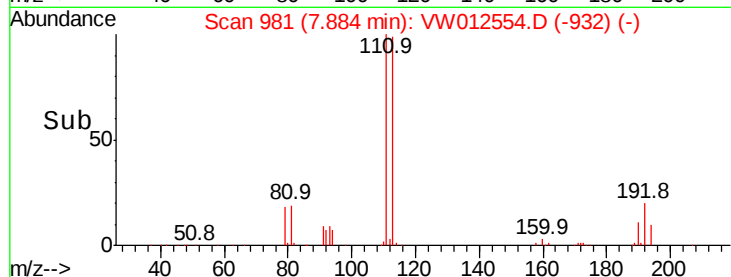
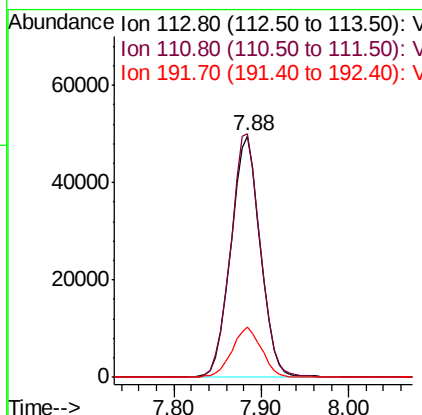
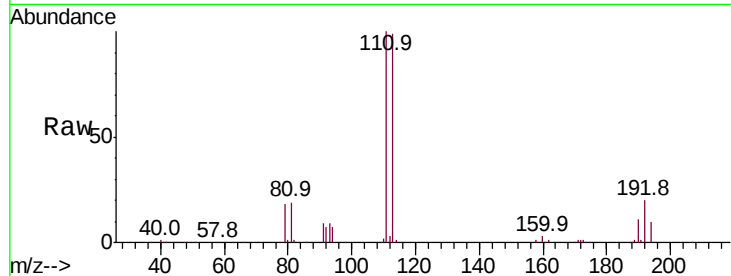




#35
 Dibromofluoromethane
 Concen: 53.710 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012554.D
 Acq: 03 Sep 2019 18:30

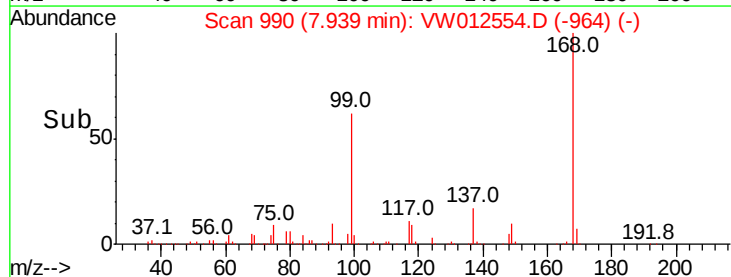
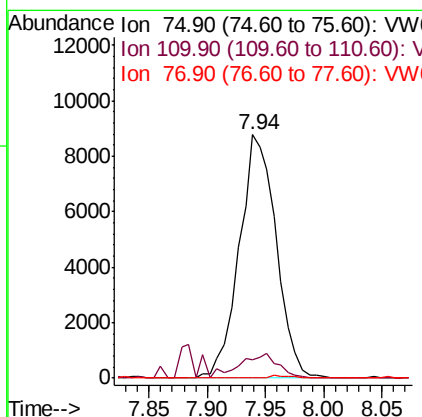
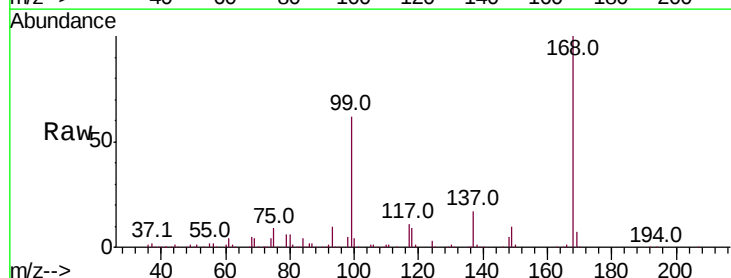
Instrument :
 MSVOA_W
 ClientSampleId :

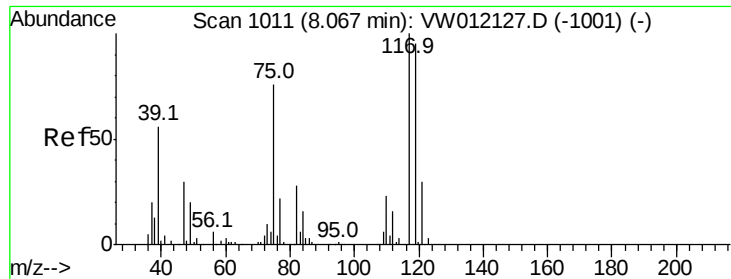
Tot Ion:113 Resp: 115784
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.7 124.1
 192 20.7 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 5.202 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012554.D
 Acq: 03 Sep 2019 18:30

Tgt Ion: 75 Resp: 19413
 Ion Ratio Lower Upper
 75 100
 110 9.5 15.6 46.8#
 77 0.5 24.6 36.8#

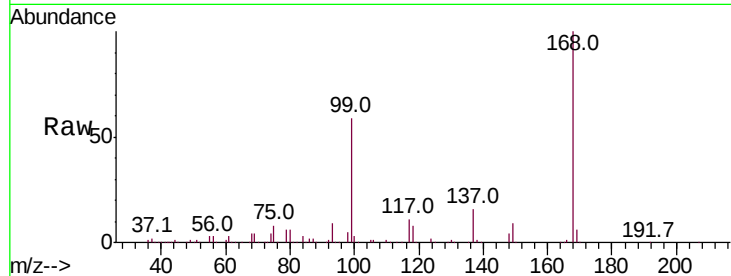




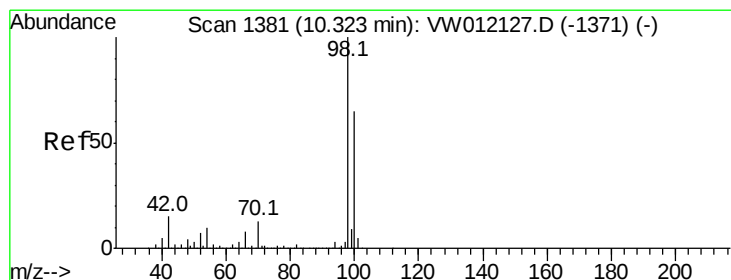
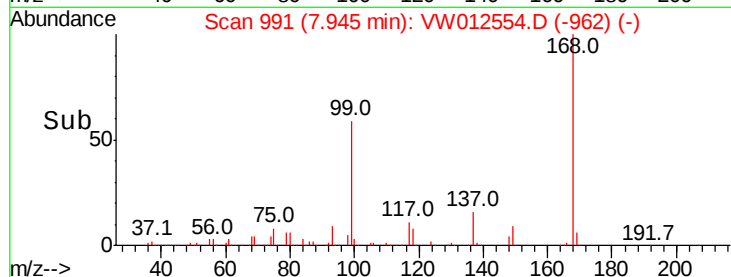
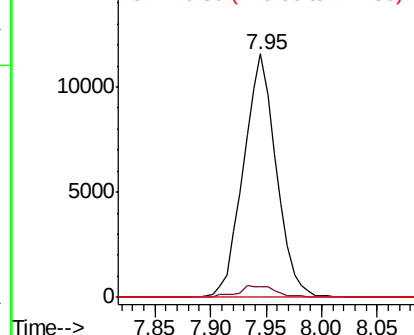
#38
Carbon Tetrachloride
Concen: 7.319 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW012554.D
Acq: 03 Sep 2019 18:30

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 23643
Ion Ratio Lower Upper
117 100
119 4.2 76.2 114.2#
121 0.0 23.8 35.8#

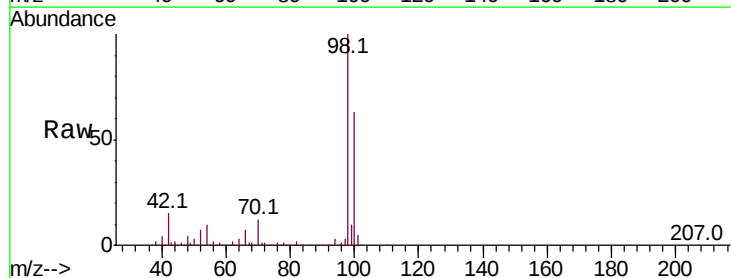


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

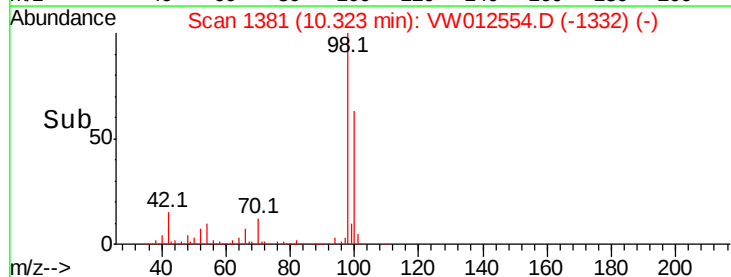
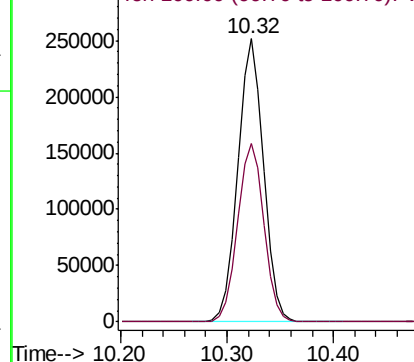


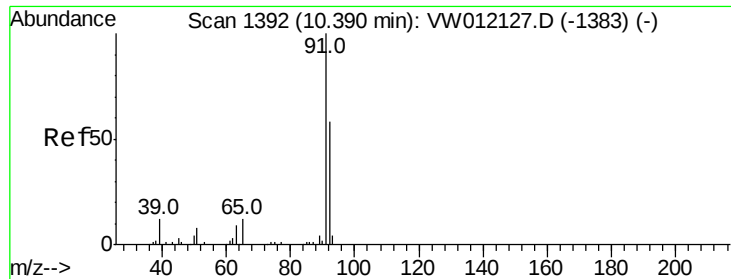
#50
Toluene-d8
Concen: 48.851 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012554.D
Acq: 03 Sep 2019 18:30

Tgt Ion: 98 Resp: 427001
Ion Ratio Lower Upper
98 100
100 64.3 52.4 78.6



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





#52

Toluene

Concen: 1.362 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012554.D

Acq: 03 Sep 2019 18:30

Instrument :

MSVOA_W

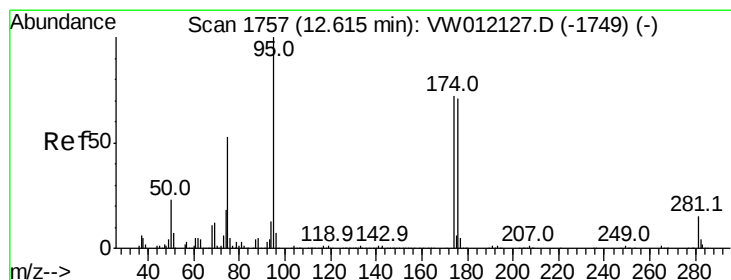
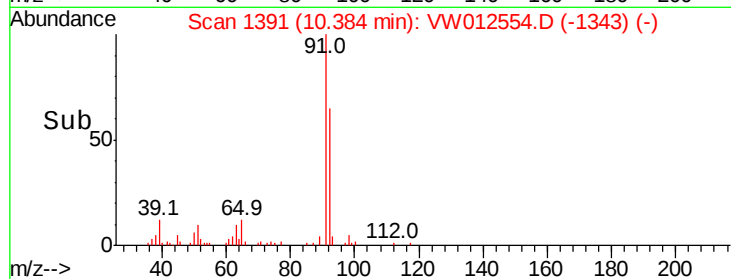
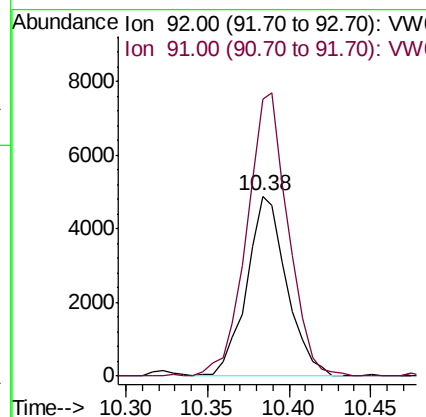
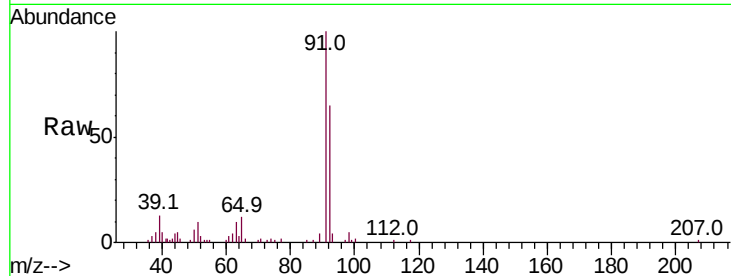
ClientSampleId :

Tot Ion: 92 Resp: 8340

Ion Ratio Lower Upper

92 100

91 162.1 136.6 204.8



#62

4-Bromofluorobenzene

Concen: 29.859 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012554.D

Acq: 03 Sep 2019 18:30

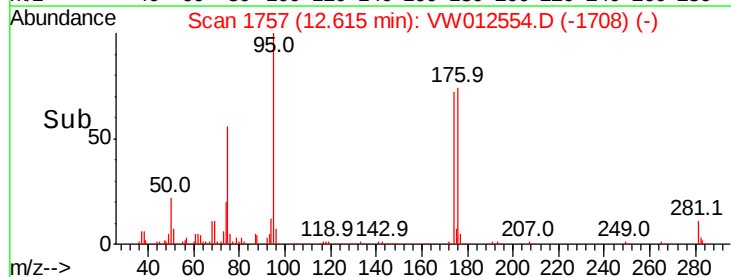
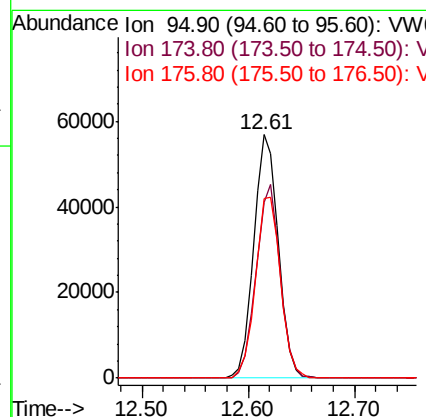
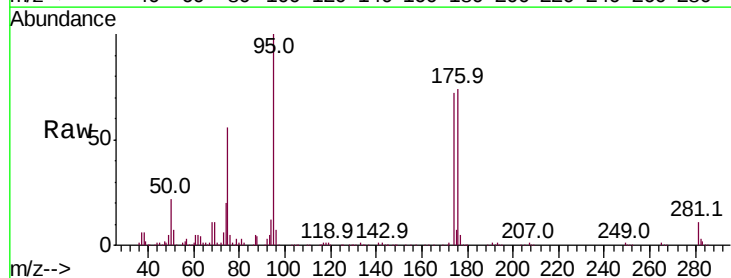
Tgt Ion: 95 Resp: 92000

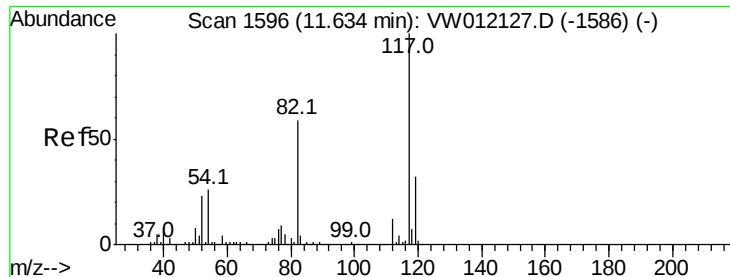
Ion Ratio Lower Upper

95 100

174 77.8 0.0 150.8

176 76.1 0.0 148.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW012554.D

Acq: 03 Sep 2019 18:30

Instrument :

MSVOA_W

ClientSampleId :

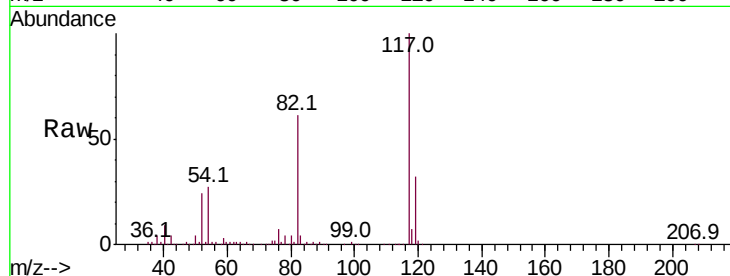
Tot Ion:117 Resp: 250735

Ion Ratio Lower Upper

117 100

82 60.9 47.4 71.2

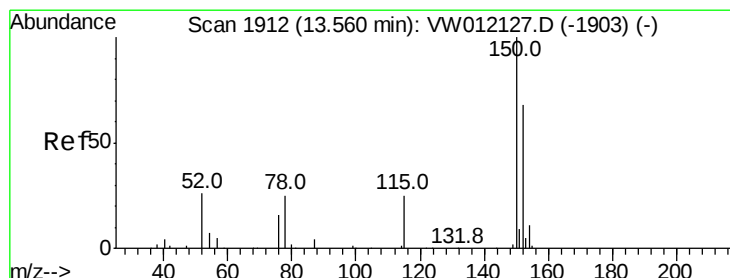
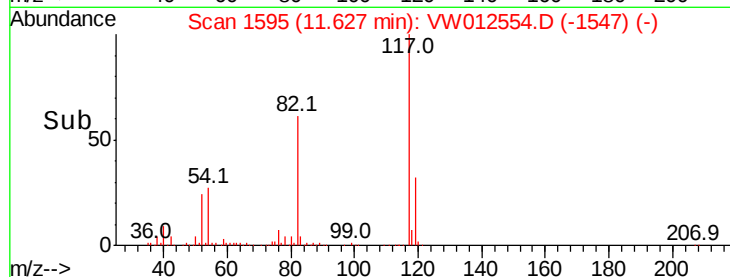
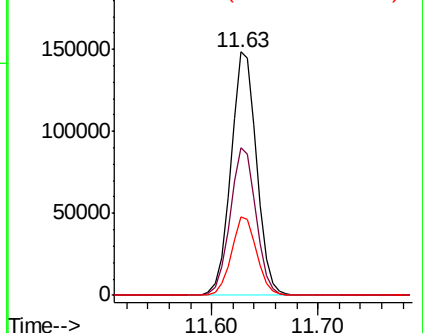
119 32.1 25.4 38.2



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: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012554.D

Acq: 03 Sep 2019 18:30

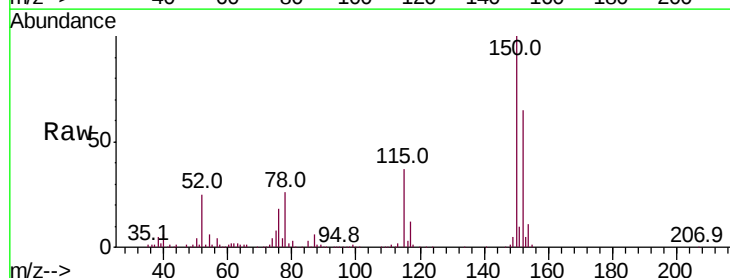
Tgt Ion:152 Resp: 59670

Ion Ratio Lower Upper

152 100

115 59.8 30.1 90.3

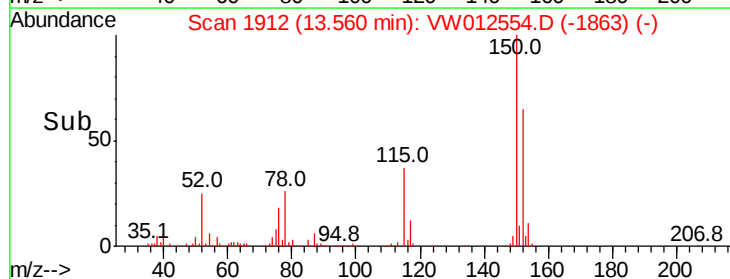
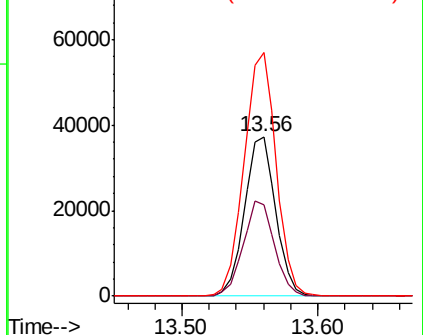
150 157.0 0.0 345.8

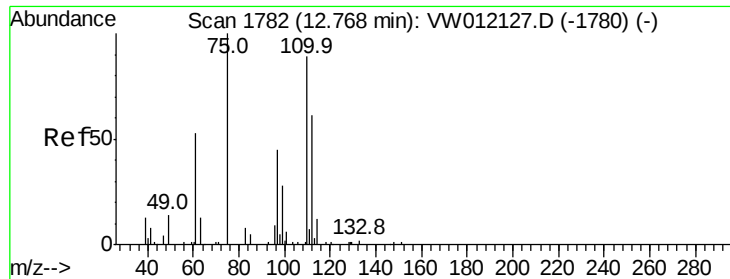


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 86.001 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012554.D

Acq: 03 Sep 2019 18:30

Instrument :

MSVOA_W

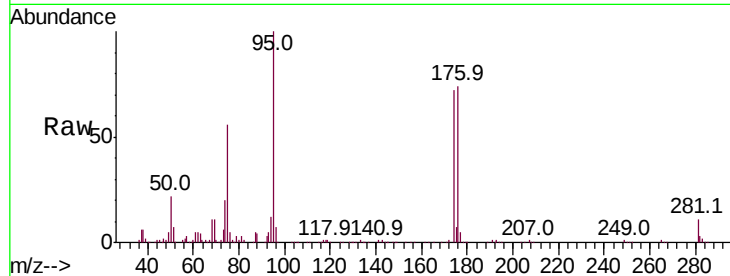
ClientSampleId :

Tot Ion: 75 Resp: 49979

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

12.61

30000

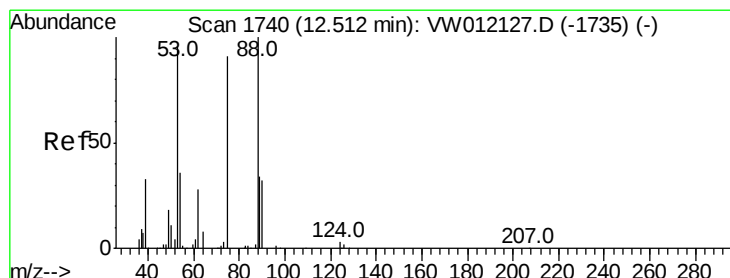
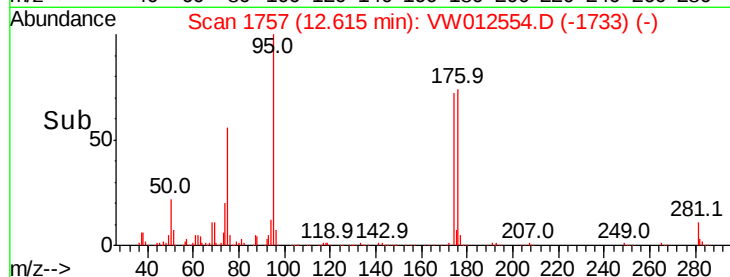
20000

10000

0

Time-->

12.55 12.60 12.65 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 188.561 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012554.D

Acq: 03 Sep 2019 18:30

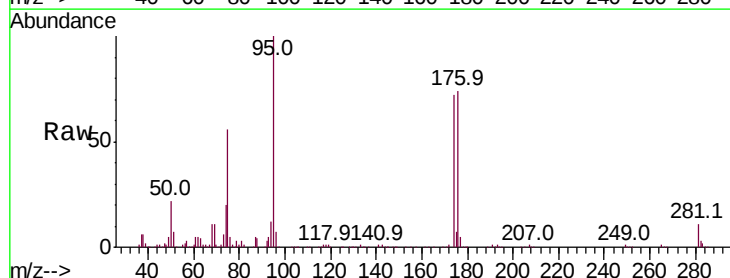
Tgt Ion: 75 Resp: 49979

Ion Ratio Lower Upper

75 100

53 0.1 89.4 134.0#

89 0.0 34.5 51.7#



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

12.61

40000

30000

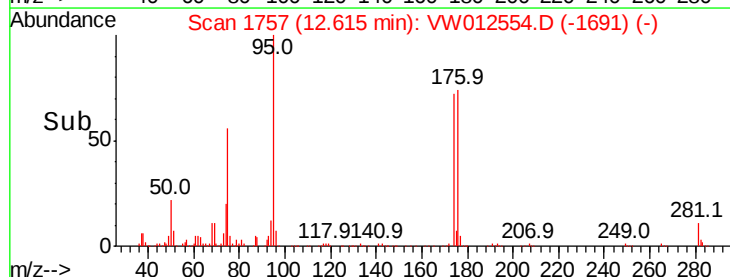
20000

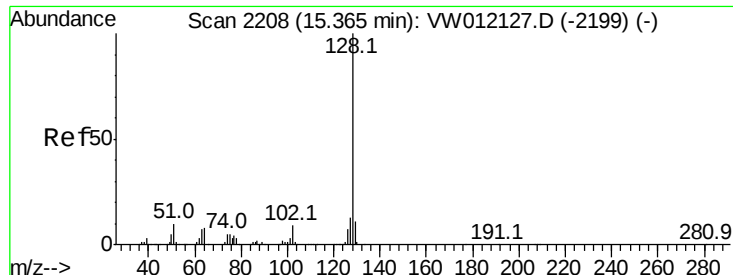
10000

0

Time-->

12.55 12.60 12.65 12.70





#95

Naphthalene

Concen: 4.526 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012554.D

Acq: 03 Sep 2019 18:30

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:128 Resp: 506

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 0.0 8.7 13.1#

