

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071819\
 Data File : VW011354.D
 Acq On : 19 Jul 2019 01:37
 Operator : SY/VA
 Sample : K3835-03
 Misc : 4.14G/5ML/MSVOA W/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 19 06:49:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	147756	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	243561	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	164813	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	44726	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	108451	58.41	ug/l	0.00
Spiked Amount			Recovery	=	116.82%	
35) Dibromofluoromethane	7.88	113	78800	54.28	ug/l	0.00
Spiked Amount			Recovery	=	108.56%	
50) Toluene-d8	10.32	98	253135	43.14	ug/l	0.00
Spiked Amount			Recovery	=	86.28%	
62) 4-Bromofluorobenzene	12.62	95	58334	27.12	ug/l	0.00
Spiked Amount			Recovery	=	54.24%	

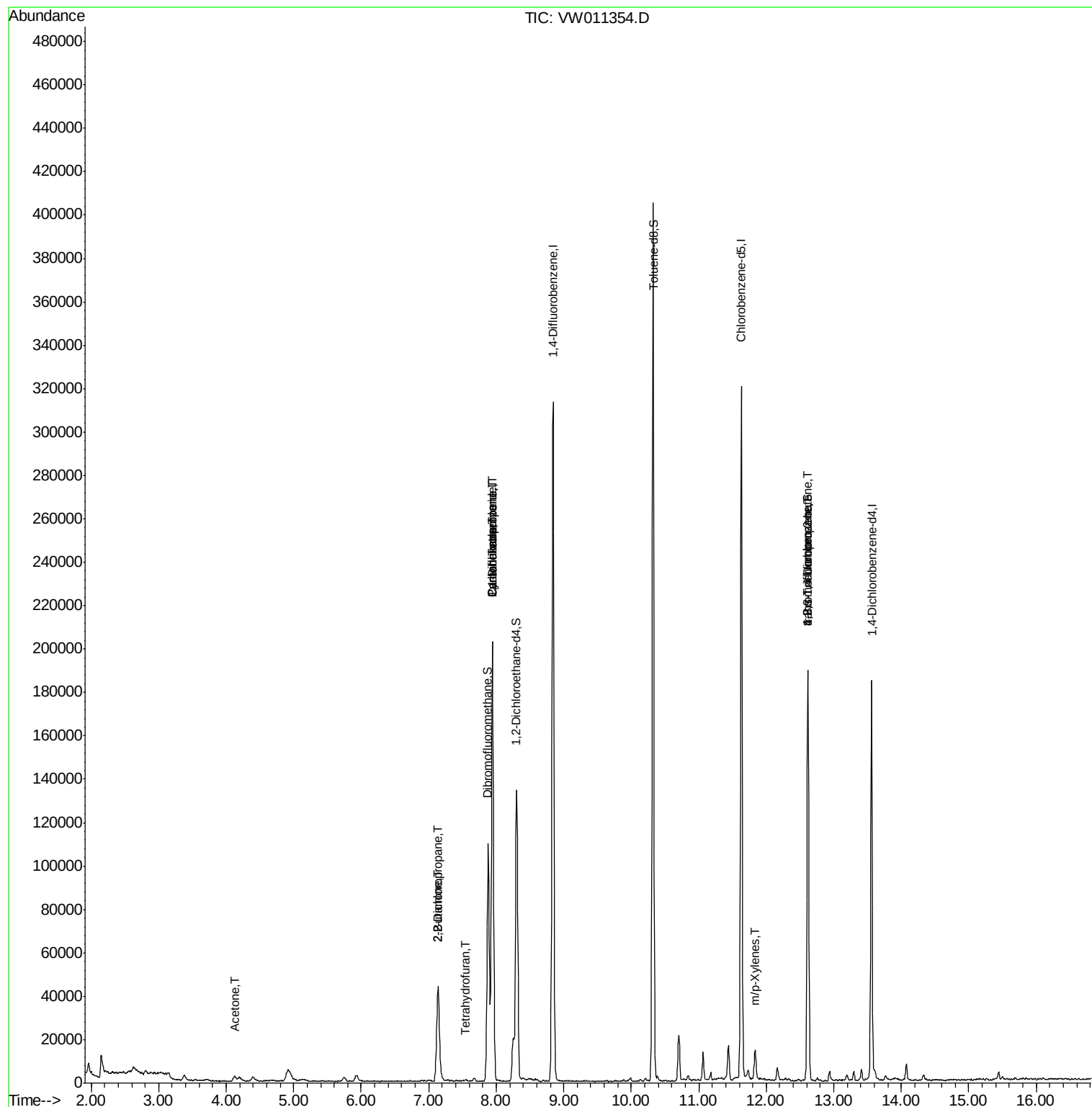
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.12	43	4570	10.230	ug/l	93
18) Methyl Acetate	4.68	43	1195	Below Cal	#	84
25) 2-Butanone	7.15	43	3309	4.719	ug/l #	77
26) 2,2-Dichloropropane	7.14	77	3085	1.756	ug/l #	53
29) Tetrahydrofuran	7.53	42	499	1.085	ug/l #	77
31) Cyclohexane	7.95	56	3974	1.105	ug/l #	5
36) 1,1-Dichloropropene	7.94	75	13076	5.041	ug/l #	50
38) Carbon Tetrachloride	7.95	117	14694	6.683	ug/l #	16
68) m/p-Xylenes	11.84	106	3761	1.620	ug/l	99
76) 1,2,3-Trichloropropane	12.62	75	30406	58.828	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	30406	133.057	ug/l #	6

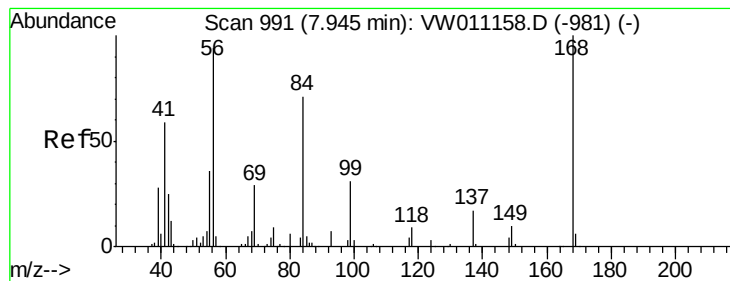
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
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QLast Update : Thu Jul 11 08:14:17 2019
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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: VW011354.D

Acq: 19 Jul 2019 01:37

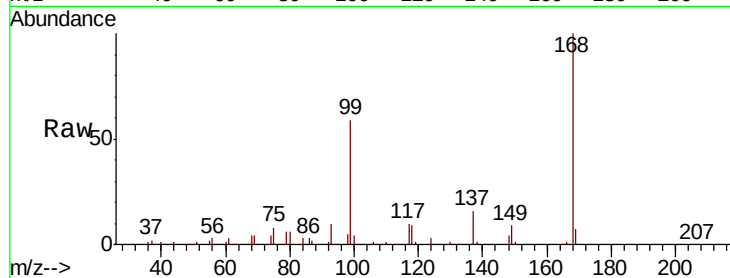
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 147756

Ion Ratio Lower Upper

168 100

99 59.1 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

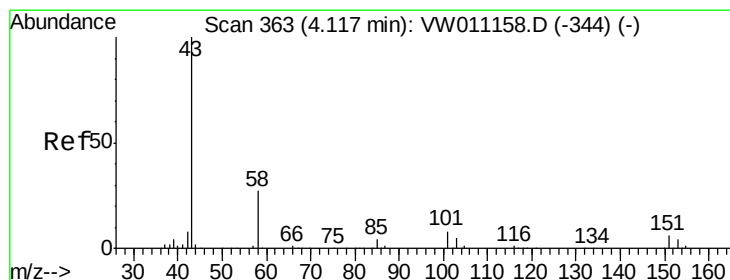
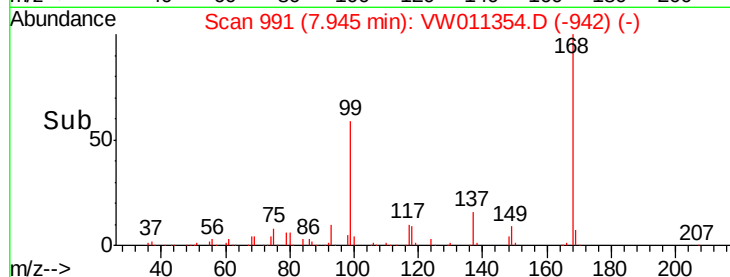
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#16

Acetone

Concen: 10.230 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW011354.D

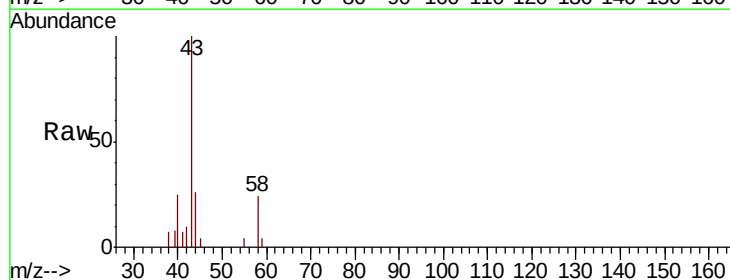
Acq: 19 Jul 2019 01:37

Tgt Ion: 43 Resp: 4570

Ion Ratio Lower Upper

43 100

58 23.7 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

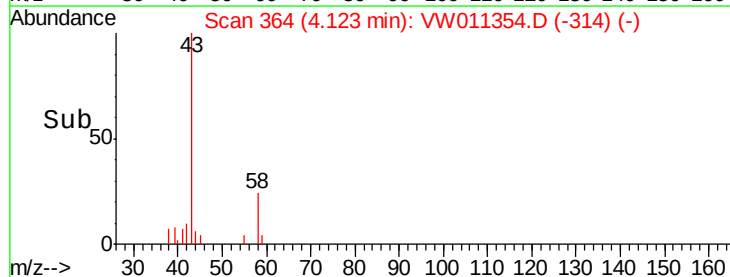
1500

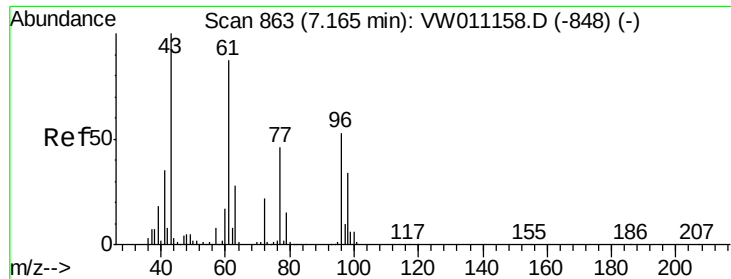
1000

500

0

Time--> 4.00 4.05 4.10 4.15 4.20





#25

2-Butanone

Concen: 4.719 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW011354.D

Acq: 19 Jul 2019 01:37

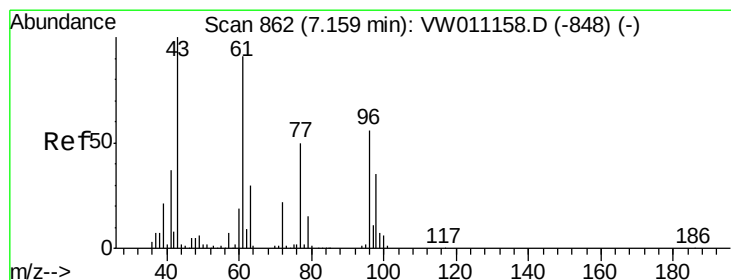
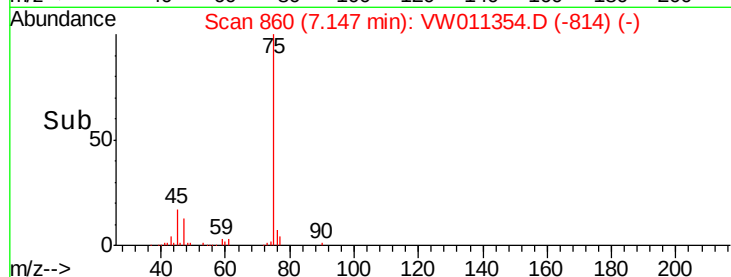
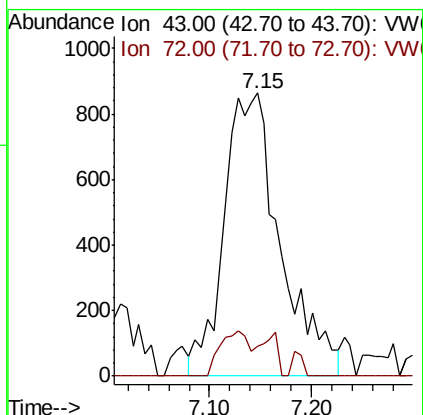
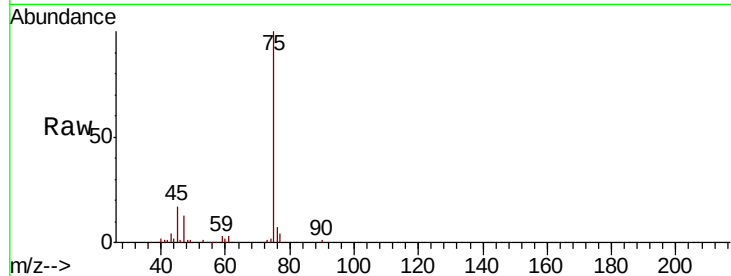
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 3309

Ion Ratio Lower Upper

43 100

72 11.2 17.6 26.4#



#26

2,2-Dichloropropane

Concen: 1.756 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW011354.D

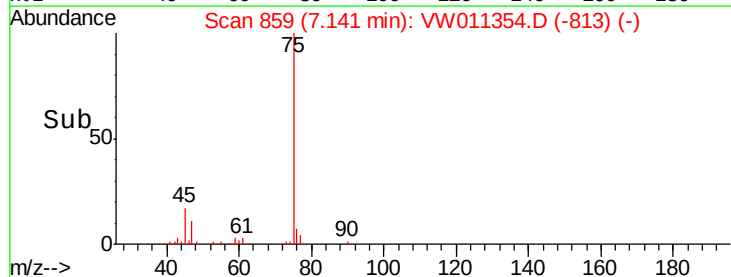
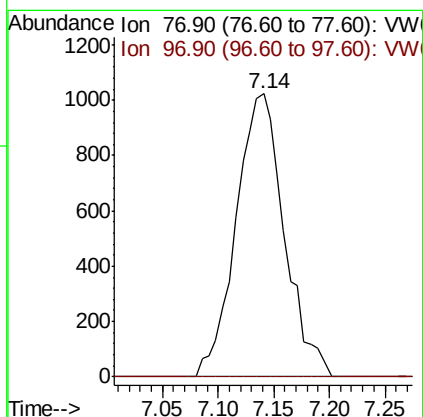
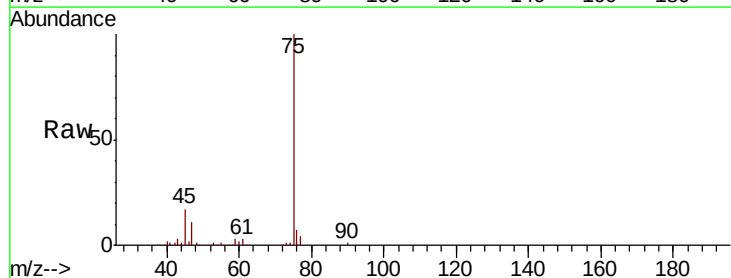
Acq: 19 Jul 2019 01:37

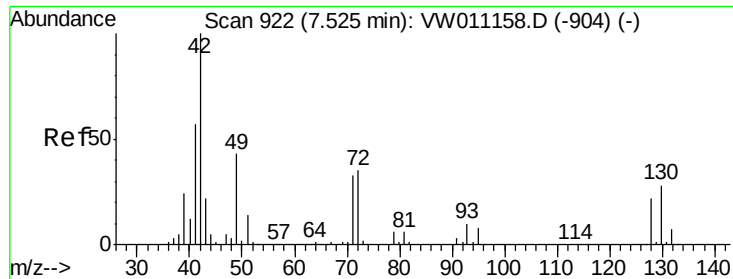
Tgt Ion: 77 Resp: 3085

Ion Ratio Lower Upper

77 100

97 0.0 11.2 33.5#

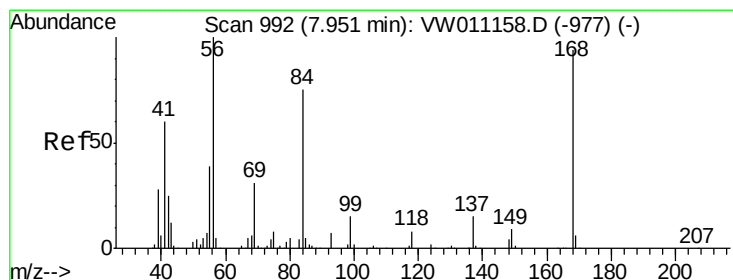
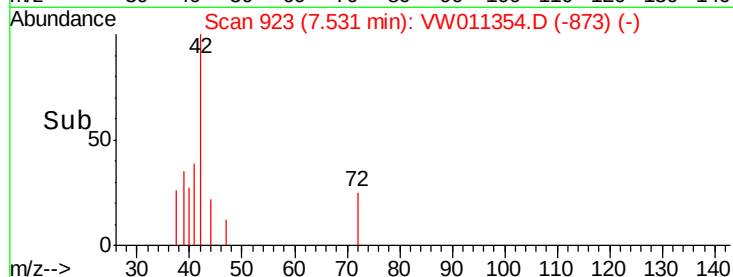
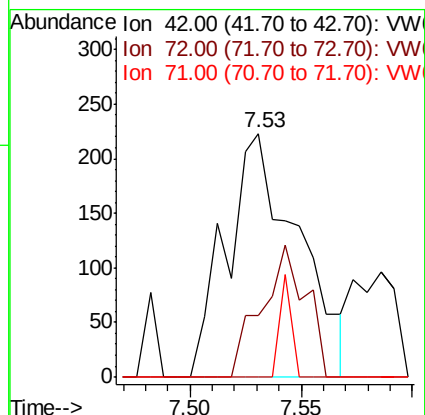
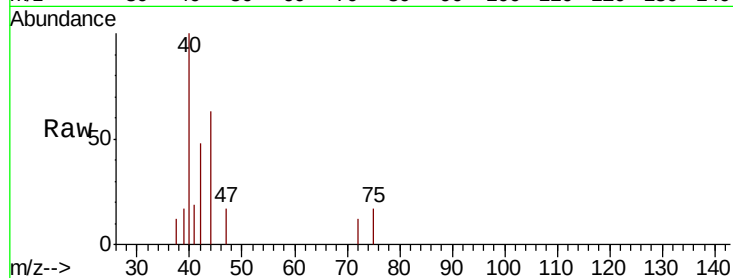




#29
Tetrahydrofuran
Concen: 1.085 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW011354.D
Acq: 19 Jul 2019 01:37

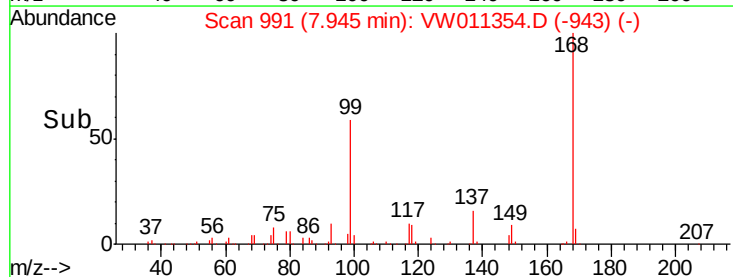
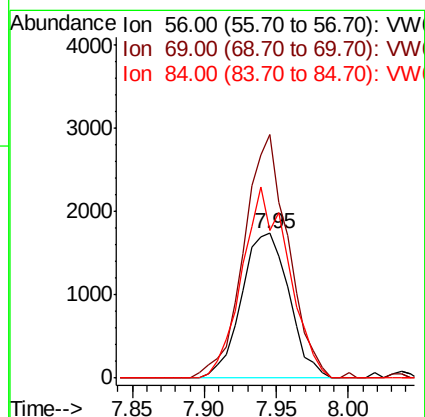
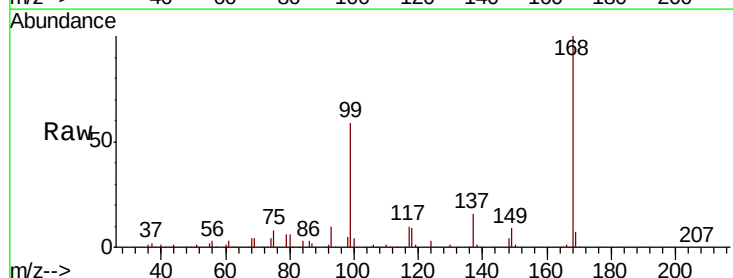
Instrument :
MSVOA_W
ClientSampled :

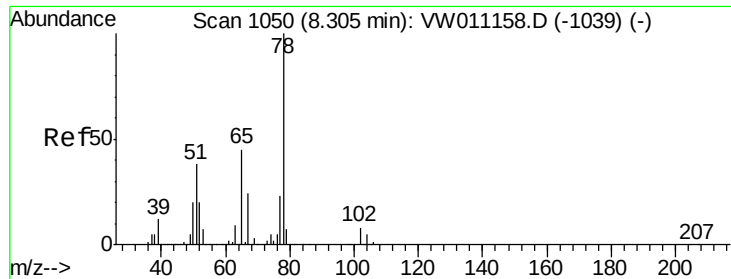
Tot Ion: 42 Resp: 499
Ion Ratio Lower Upper
42 100
72 33.7 27.4 41.2
71 6.8 25.9 38.9#



#31
Cyclohexane
Concen: 1.105 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW011354.D
Acq: 19 Jul 2019 01:37

Tgt Ion: 56 Resp: 3974
Ion Ratio Lower Upper
56 100
69 168.3 24.6 36.8#
84 102.0 60.1 90.1#

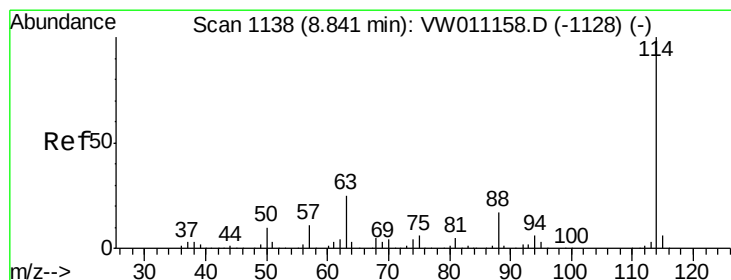
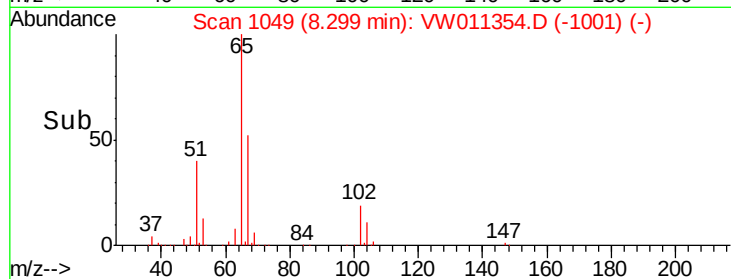
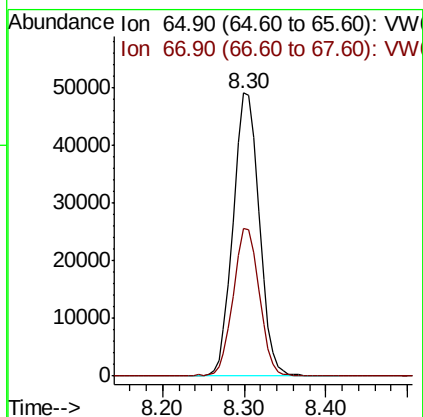
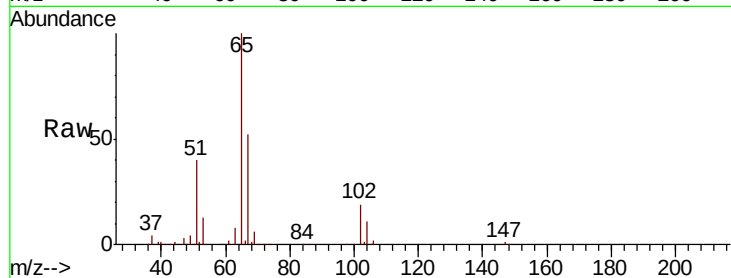




#33
 1,2-Dichloroethane-d4
 Concen: 58.414 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW011354.D
 Acq: 19 Jul 2019 01:37

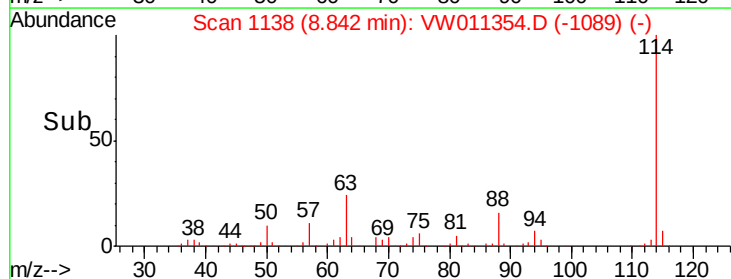
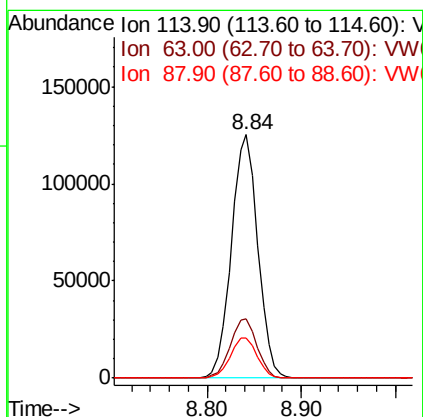
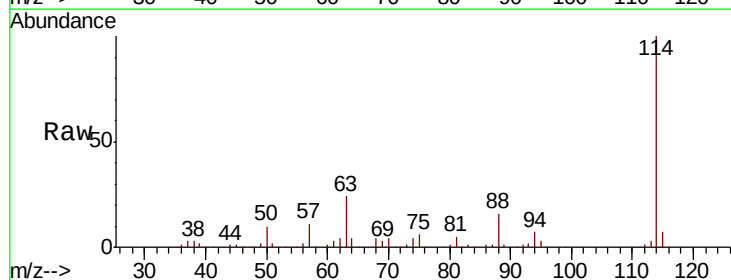
Instrument :
 MSVOA_W
 ClientSampled :

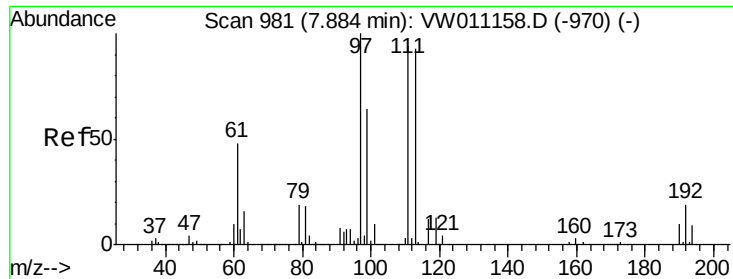
Tot Ion: 65 Resp: 108451
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011354.D
 Acq: 19 Jul 2019 01:37

Tgt Ion: 114 Resp: 243561
 Ion Ratio Lower Upper
 114 100
 63 24.2 0.0 50.8
 88 16.4 0.0 34.2





#35

Dibromofluoromethane

Concen: 54.280 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW011354.D

Acq: 19 Jul 2019 01:37

Instrument :
MSVOA_W
ClientSampleId :

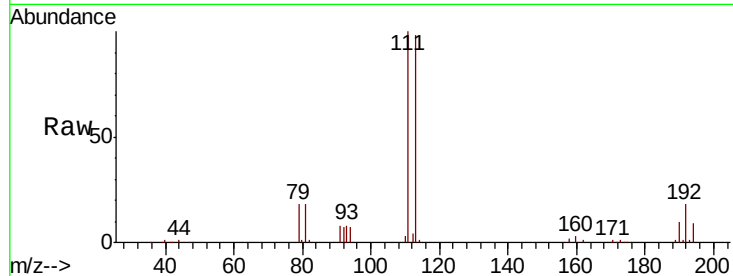
Tot Ion:113 Resp: 78800

Ion Ratio Lower Upper

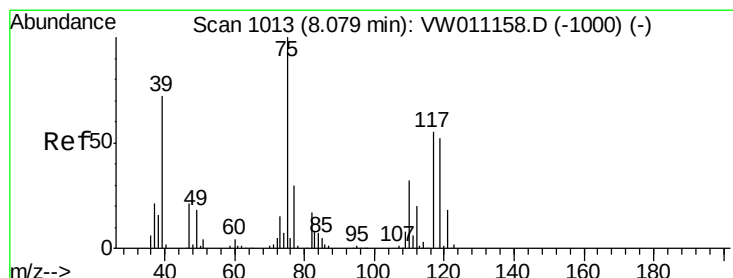
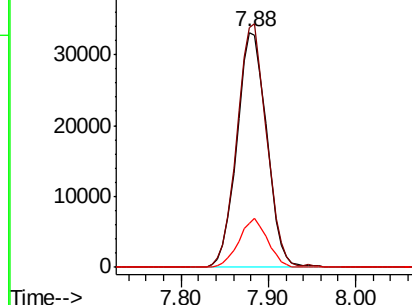
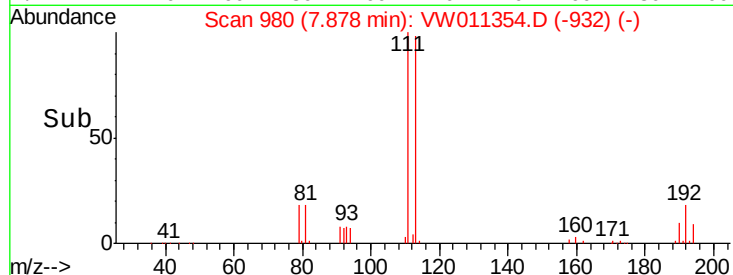
113 100

111 102.5 82.4 123.6

192 20.1 15.8 23.8



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: 5.041 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW011354.D

Acq: 19 Jul 2019 01:37

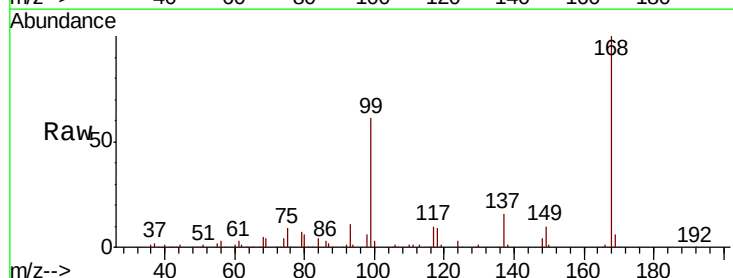
Tgt Ion: 75 Resp: 13076

Ion Ratio Lower Upper

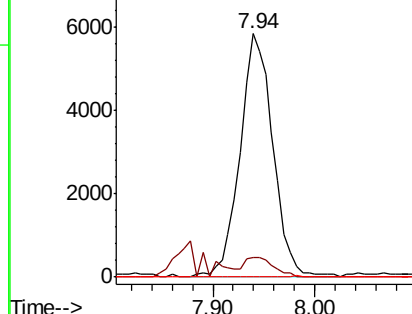
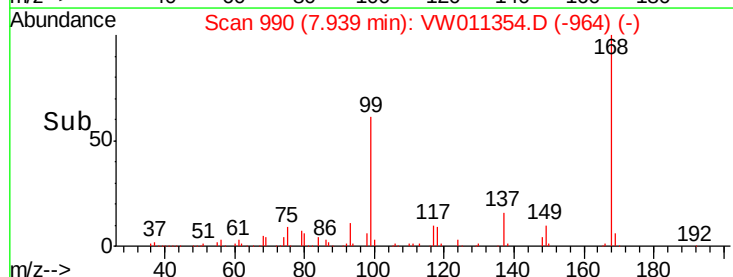
75 100

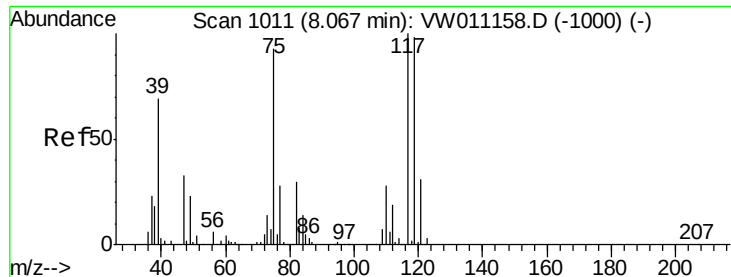
110 7.4 15.9 47.6#

77 0.0 24.6 36.8#



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

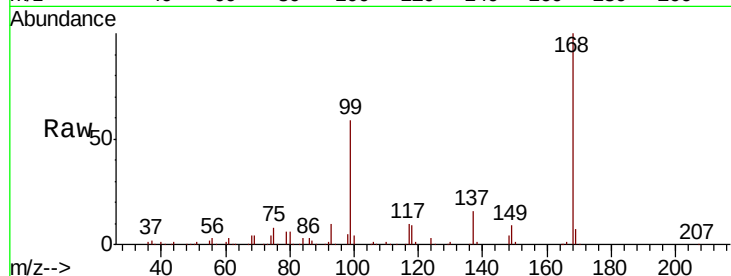




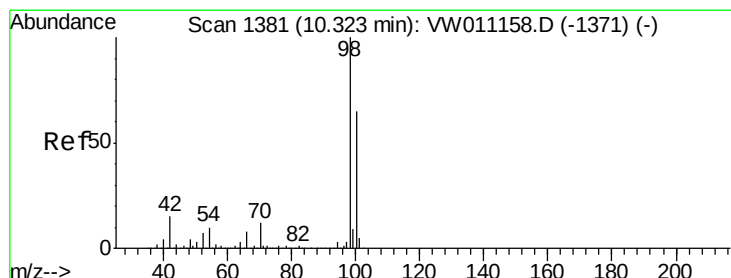
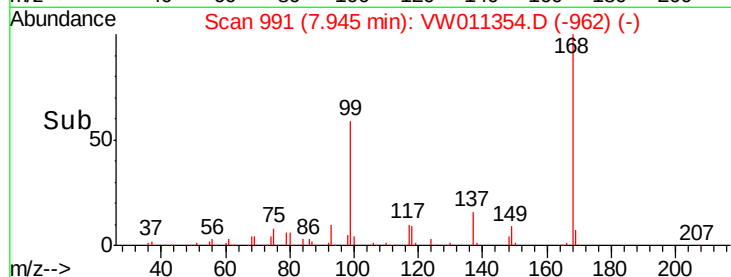
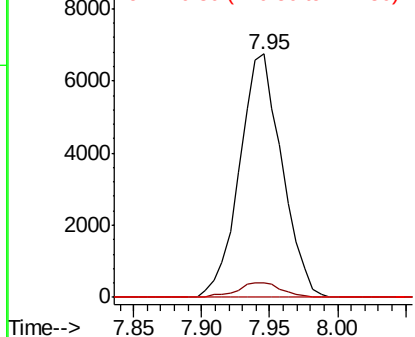
#38
Carbon Tetrachloride
Concen: 6.683 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW011354.D
Acq: 19 Jul 2019 01:37

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 14694
Ion Ratio Lower Upper
117 100
119 6.0 78.1 117.1#
121 0.0 25.1 37.7#

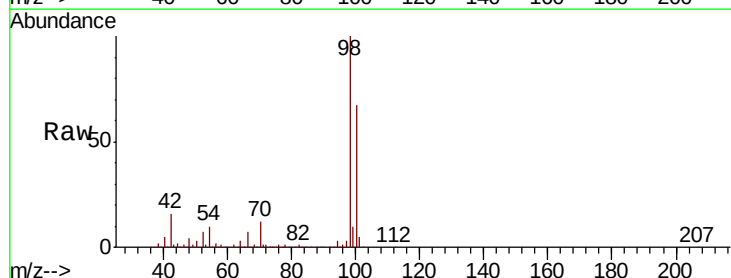


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

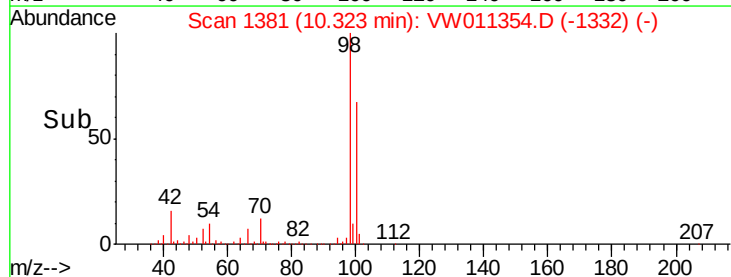
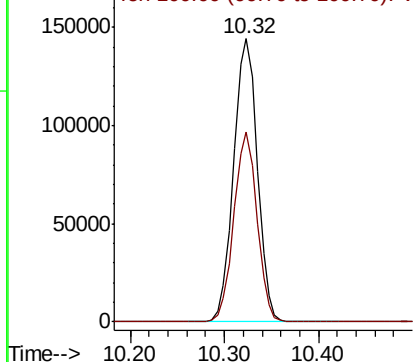


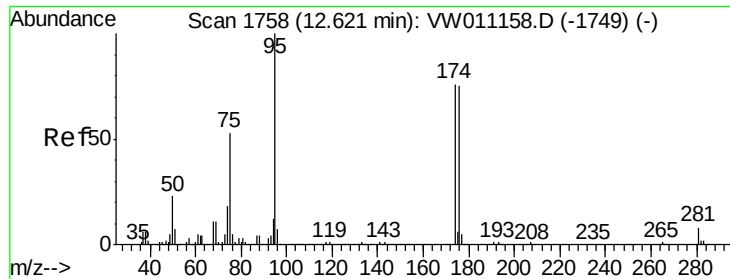
#50
Toluene-d8
Concen: 43.137 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011354.D
Acq: 19 Jul 2019 01:37

Tgt Ion: 98 Resp: 253135
Ion Ratio Lower Upper
98 100
100 65.5 52.4 78.6



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





#62

4-Bromofluorobenzene

Concen: 27.121 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW011354.D

Acq: 19 Jul 2019 01:37

Instrument :

MSVOA_W

ClientSampled :

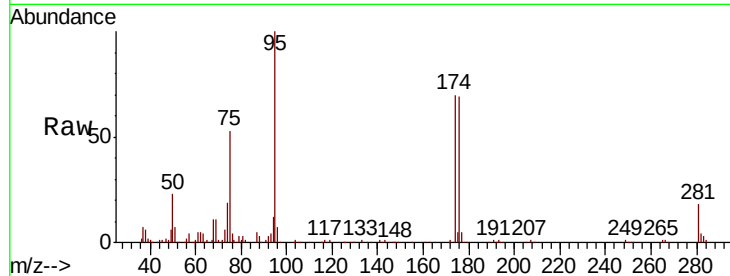
Tot Ion: 95 Resp: 58334

Ion Ratio Lower Upper

95 100

174 75.6 0.0 147.6

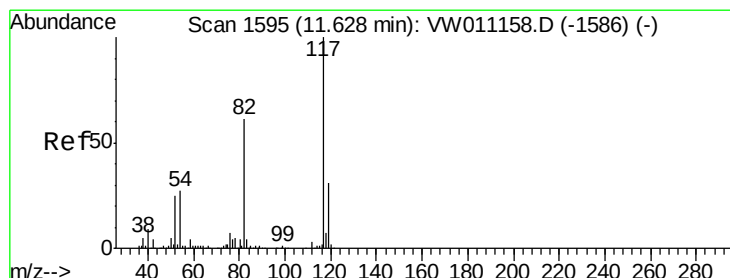
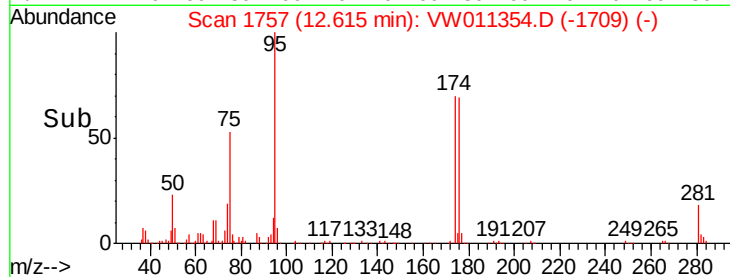
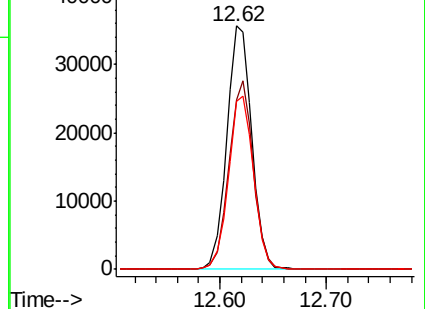
176 71.8 0.0 144.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.01 min

Lab File: VW011354.D

Acq: 19 Jul 2019 01:37

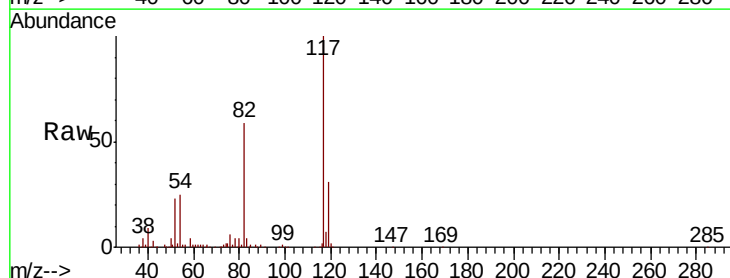
Tgt Ion: 117 Resp: 164813

Ion Ratio Lower Upper

117 100

82 58.9 48.9 73.3

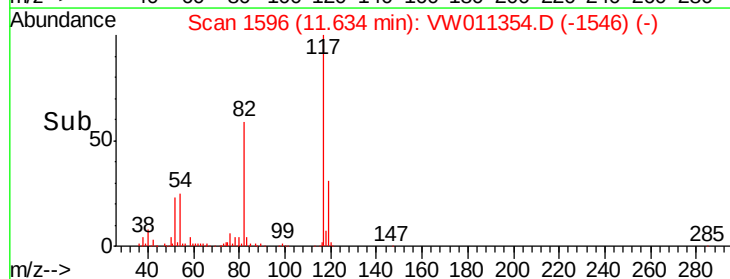
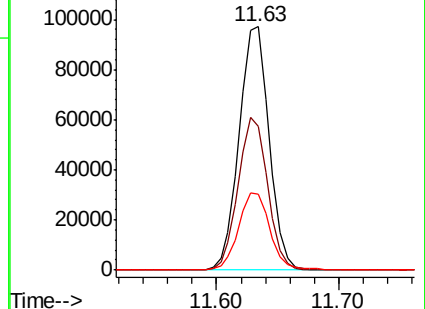
119 31.0 25.0 37.6

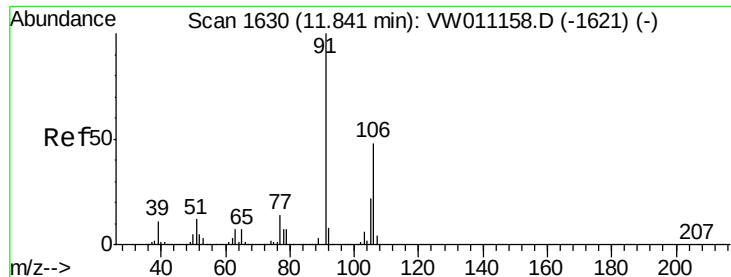


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

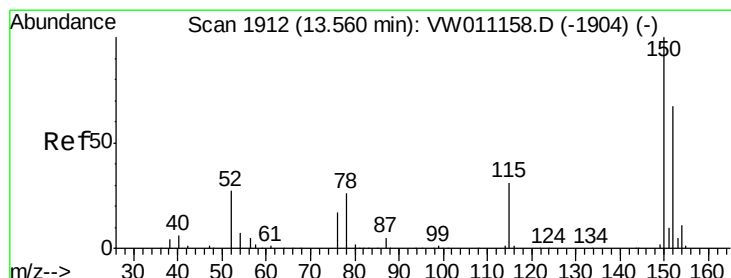
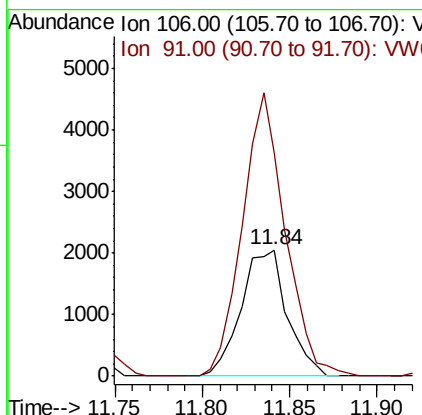
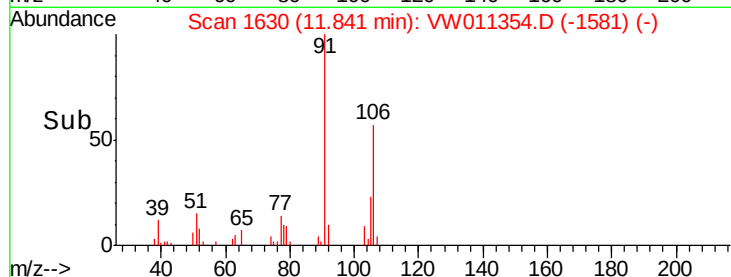
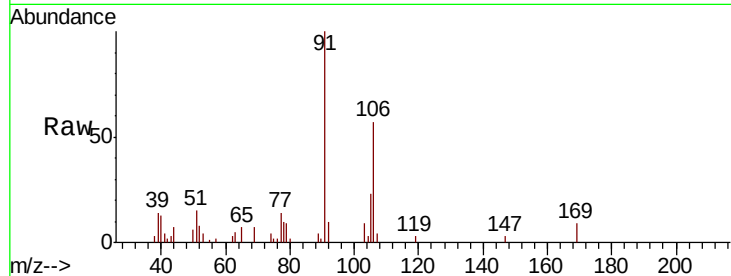




#68
m/p-Xvlenes
Concen: 1.620 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW011354.D
Acq: 19 Jul 2019 01:37

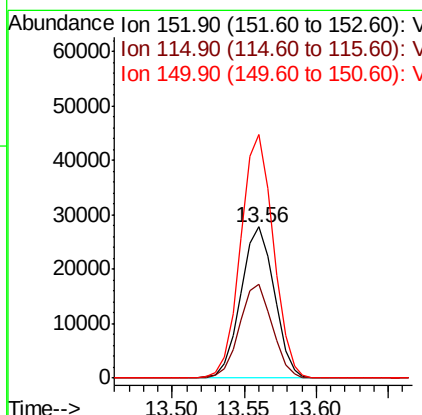
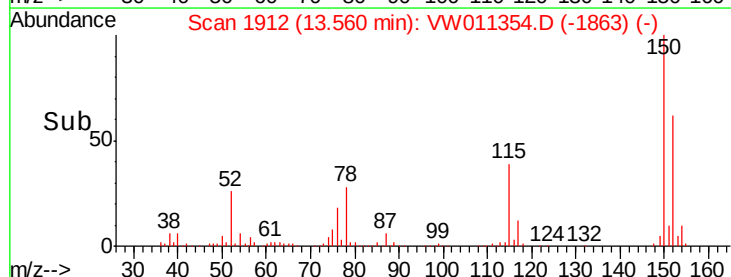
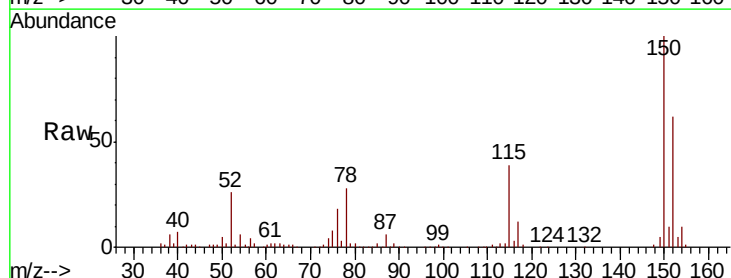
Instrument :
MSVOA_W
ClientSampled :

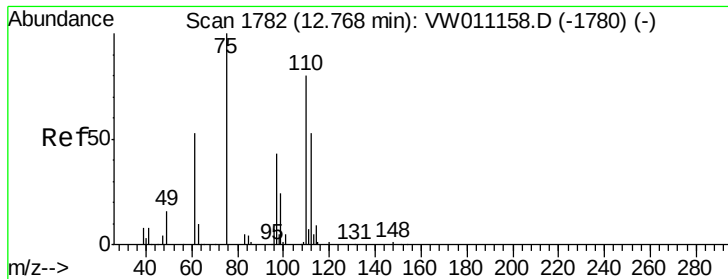
Tot Ion:106 Resp: 3761
Ion Ratio Lower Upper
106 100
91 208.4 167.7 251.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011354.D
Acq: 19 Jul 2019 01:37

Tgt Ion:152 Resp: 44726
Ion Ratio Lower Upper
152 100
115 60.7 30.1 90.3
150 157.8 0.0 346.0



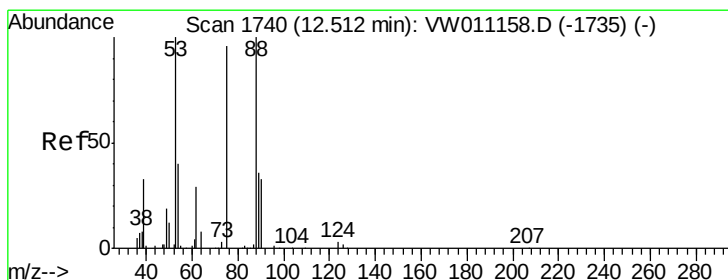
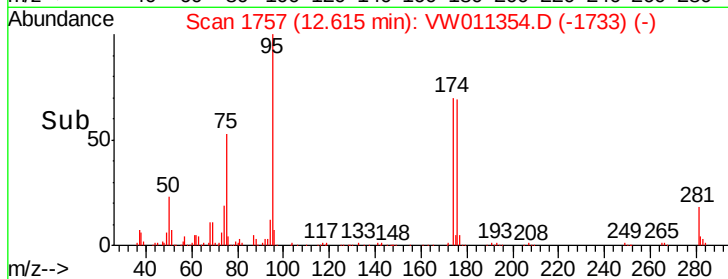
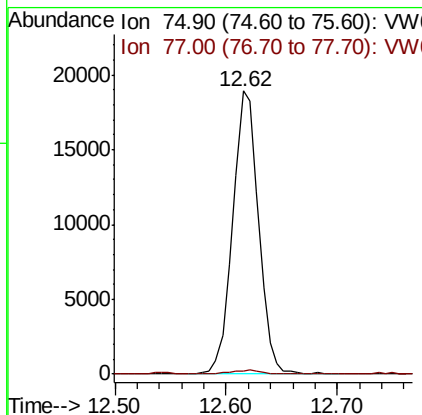
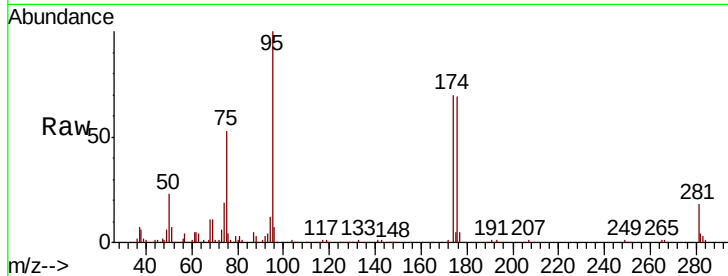


#76

1,2,3-Trichloropropane
Concen: 58.828 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW011354.D
Acq: 19 Jul 2019 01:37

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 75 Resp: 30406
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene
Concen: 133.057 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW011354.D
Acq: 19 Jul 2019 01:37

Tgt Ion: 75 Resp: 30406
Ion Ratio Lower Upper
75 100
53 0.3 89.8 134.6#
89 0.2 34.3 51.5#

