

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071819\
 Data File : VW011357.D
 Acq On : 19 Jul 2019 02:58
 Operator : SY/VA
 Sample : K3835-06
 Misc : 6.32G/5ML/MSVOA W/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 19 06:50:08 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

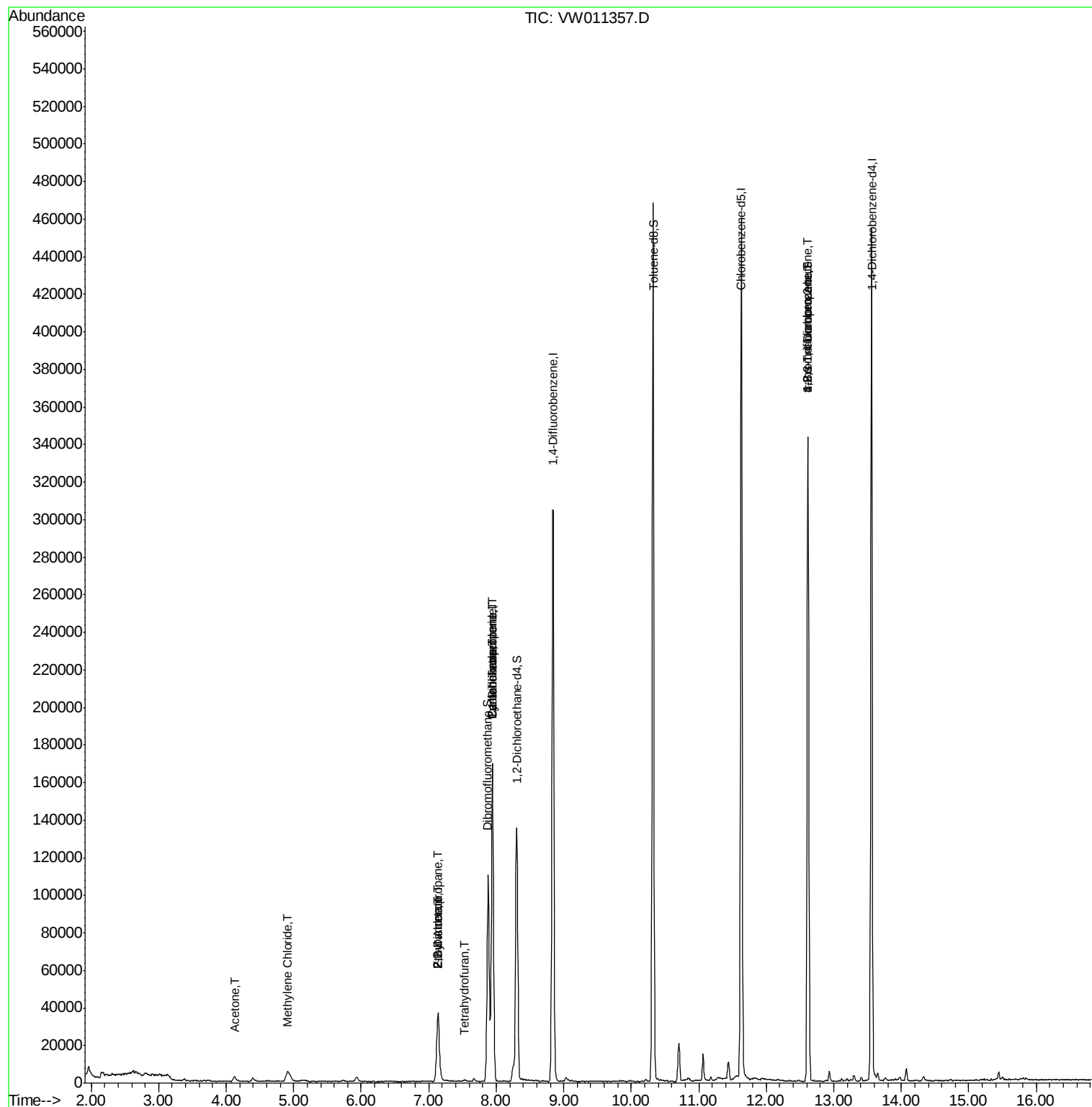
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	121236	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	244010	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	236350	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	109510	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	109240	71.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	143.42%	
35) Dibromofluoromethane	7.88	113	78910	54.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.52%	
50) Toluene-d8	10.32	98	290506	49.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.82%	
62) 4-Bromofluorobenzene	12.62	95	110436	51.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.50%	
Target Compounds						
					Qvalue	
16) Acetone	4.13	43	5111	13.944	ug/l	99
18) Methyl Acetate	4.66	43	381	Below Cal	#	57
20) Methylene Chloride	4.91	84	4669	3.229	ug/l	98
25) 2-Butanone	7.15	43	2498	4.342	ug/l #	71
26) 2,2-Dichloropropane	7.13	77	2385	1.654	ug/l #	53
29) Tetrahydrofuran	7.52	42	766	2.030	ug/l #	86
31) Cyclohexane	7.94	56	3227	1.094	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	11083	4.265	ug/l #	51
37) Ethyl Acetate	7.15	43	2498	1.600	ug/l #	1
38) Carbon Tetrachloride	7.95	117	12594	5.717	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	58360	46.115	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	58360	104.304	ug/l #	6

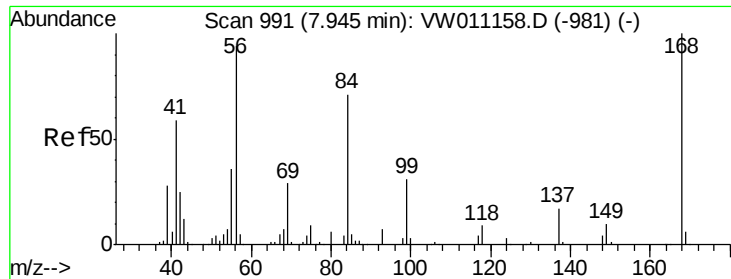
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jul 11 08:14:17 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: VW011357.D

Acq: 19 Jul 2019 02:58

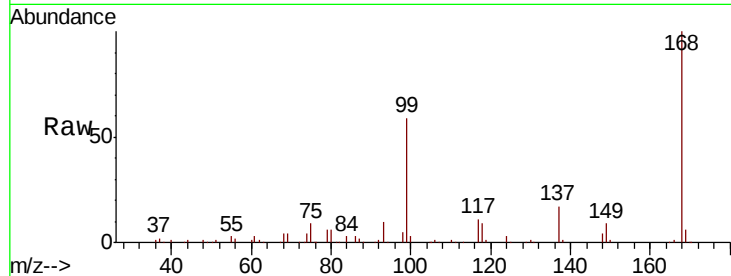
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 121236

Ion Ratio Lower Upper

168 100

99 59.5 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

50000

40000

30000

20000

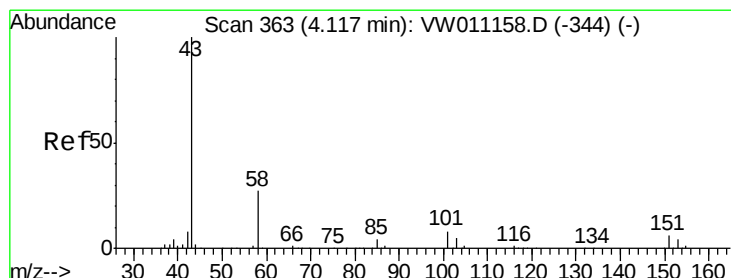
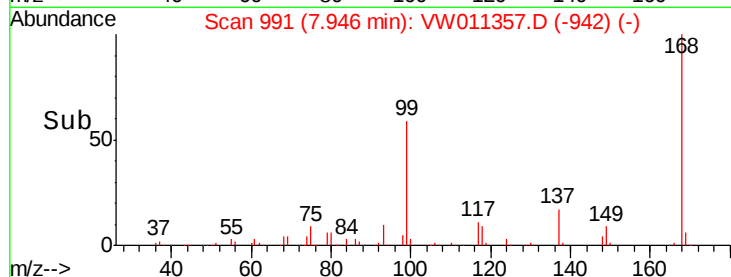
10000

0

7.90

8.00

Time-->



#16

Acetone

Concen: 13.944 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW011357.D

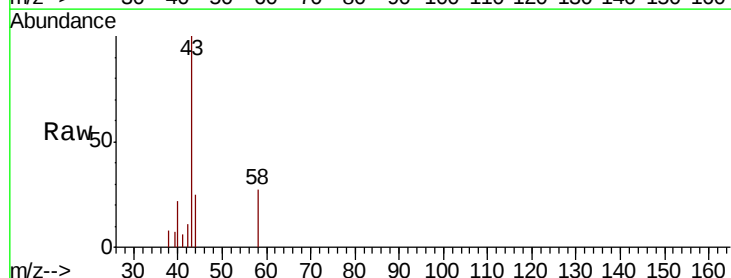
Acq: 19 Jul 2019 02:58

Tgt Ion: 43 Resp: 5111

Ion Ratio Lower Upper

43 100

58 26.6 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

1500

1000

500

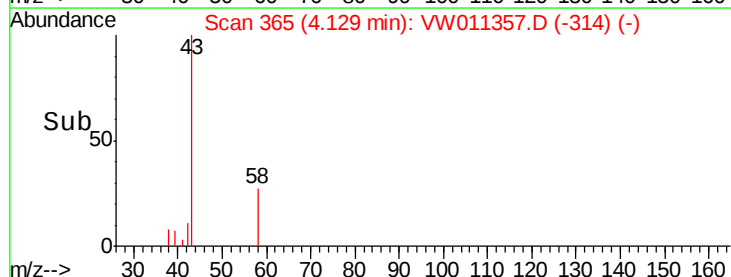
0

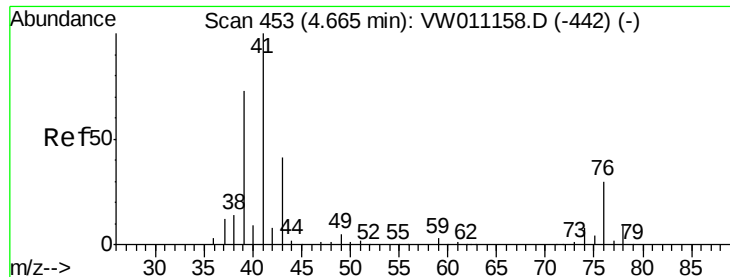
4.00

4.10

4.20

Time-->

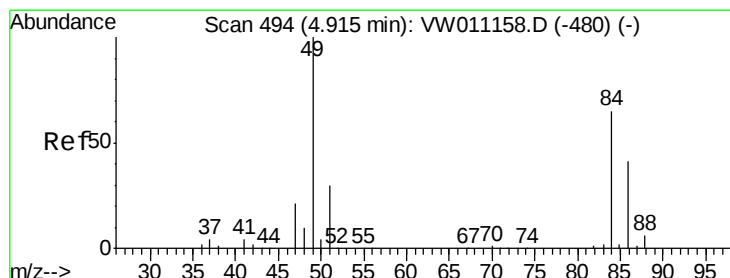
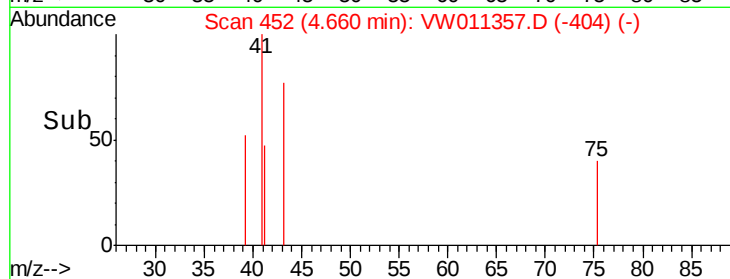
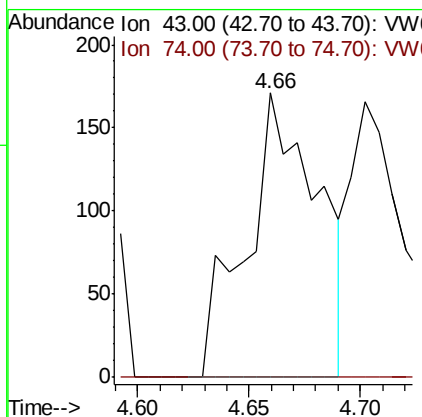
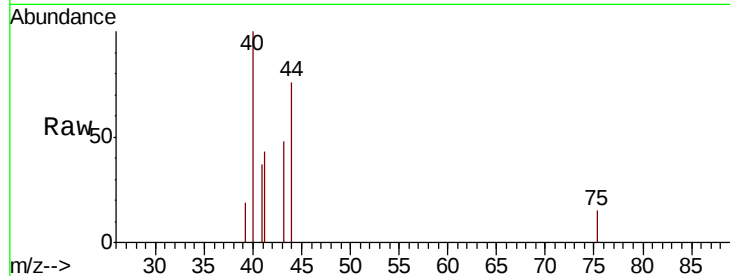




#18
Methyl Acetate
Concen: Below Cal
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW011357.D
Acq: 19 Jul 2019 02:58

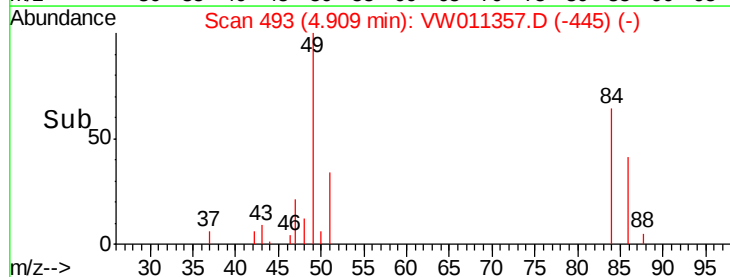
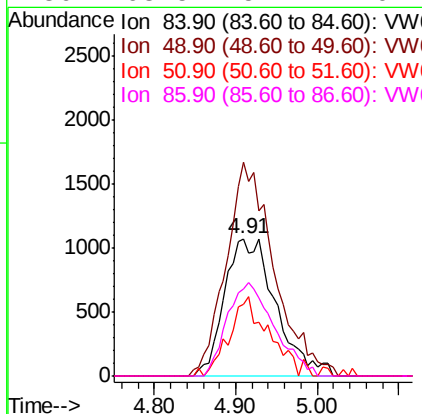
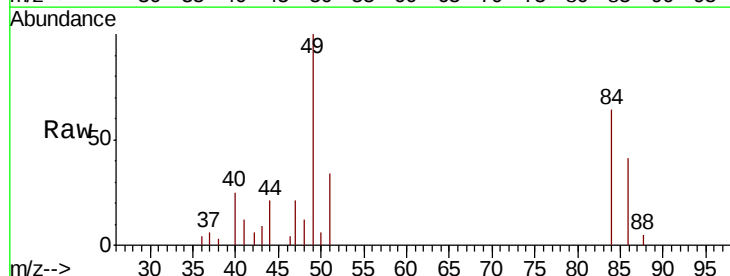
Instrument :
MSVOA_W
ClientSampled :

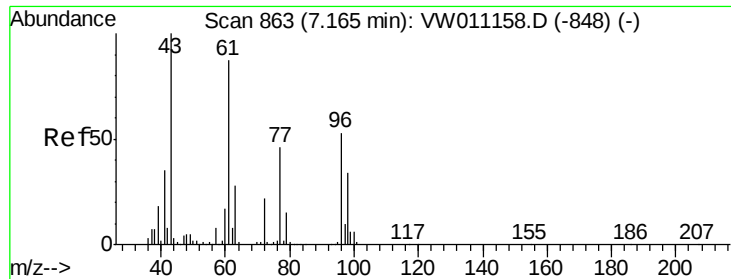
Tot Ion: 43 Resp: 381
Ion Ratio Lower Upper
43 100
74 0.0 15.7 23.5#



#20
Methylene Chloride
Concen: 3.229 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011357.D
Acq: 19 Jul 2019 02:58

Tgt Ion: 84 Resp: 4669
Ion Ratio Lower Upper
84 100
49 155.6 123.8 185.6
51 52.4 37.4 56.2
86 63.5 51.1 76.7





#25

2-Butanone

Concen: 4.342 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW011357.D

Acq: 19 Jul 2019 02:58

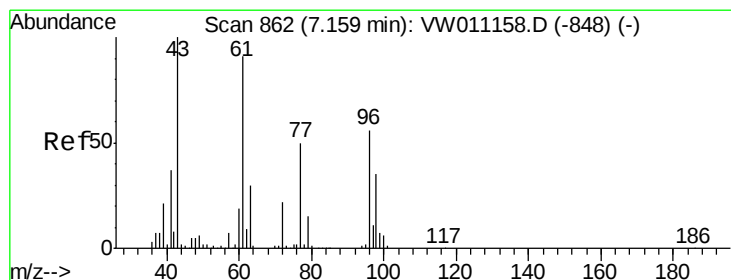
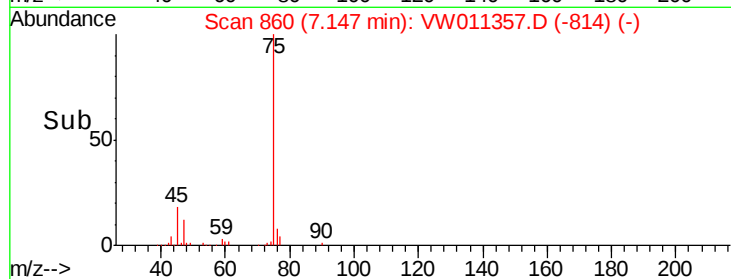
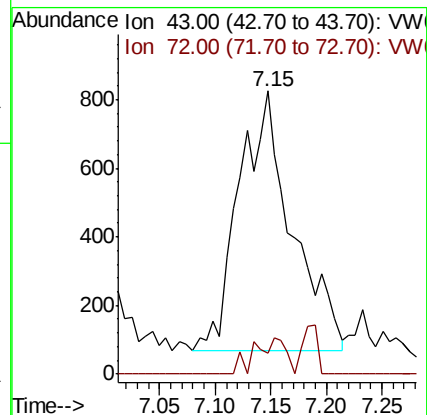
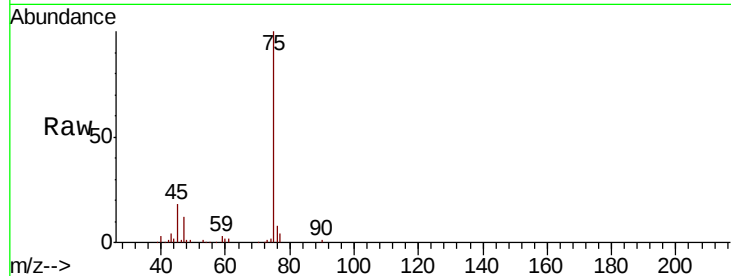
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 2498

Ion Ratio Lower Upper

43 100

72 8.1 17.6 26.4#



#26

2,2-Dichloropropane

Concen: 1.654 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.02 min

Lab File: VW011357.D

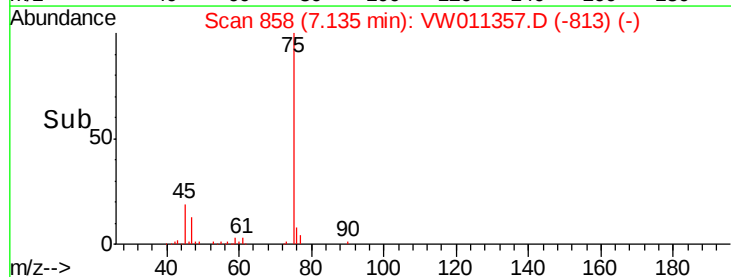
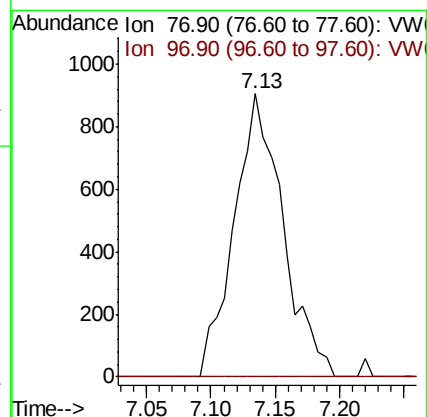
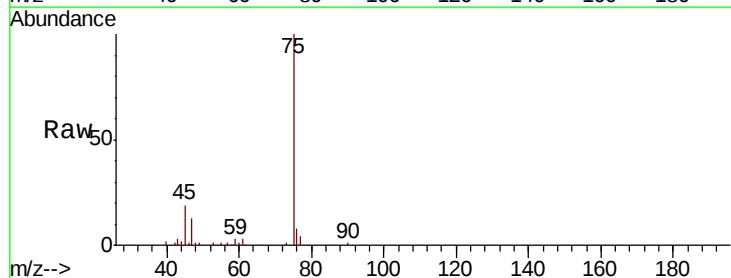
Acq: 19 Jul 2019 02:58

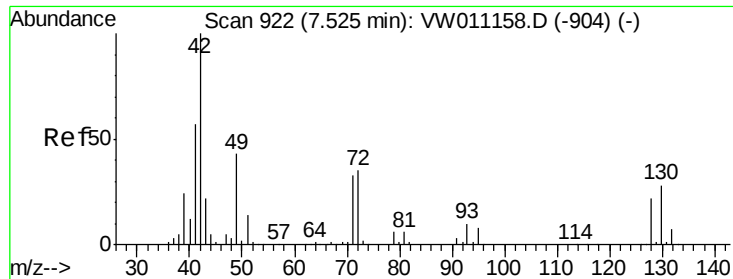
Tgt Ion: 77 Resp: 2385

Ion Ratio Lower Upper

77 100

97 0.0 11.2 33.5#

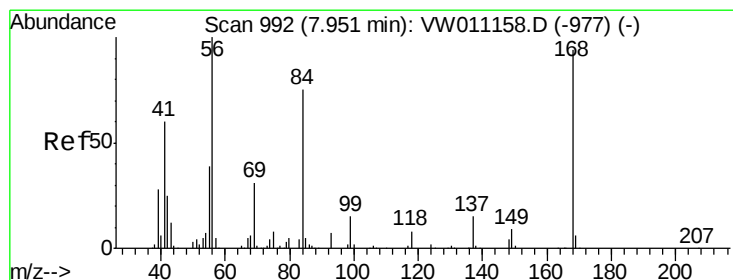
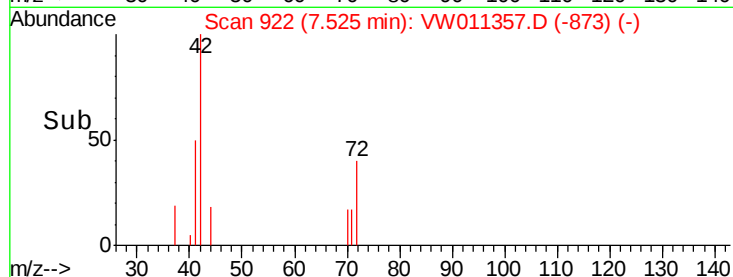
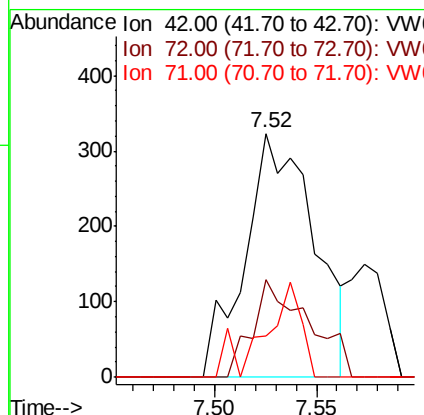
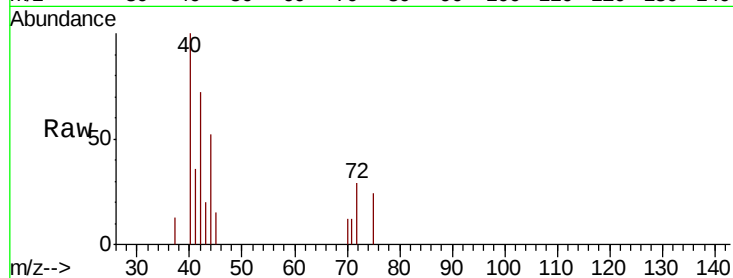




#29
Tetrahydrofuran
Concen: 2.030 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW011357.D
Acq: 19 Jul 2019 02:58

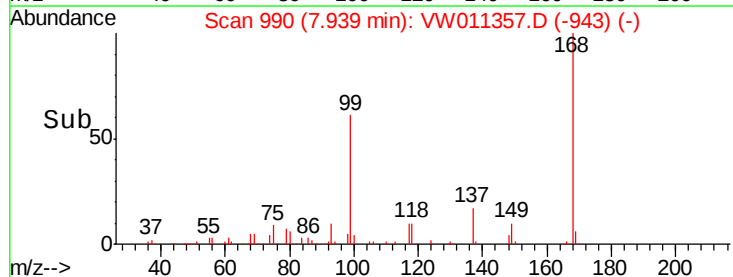
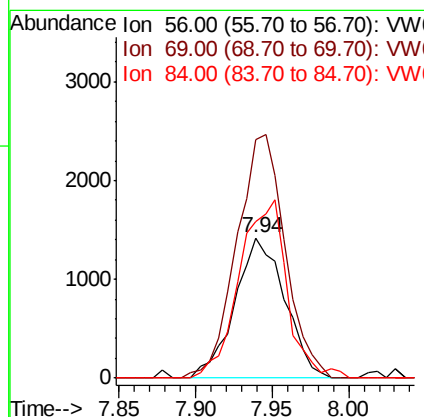
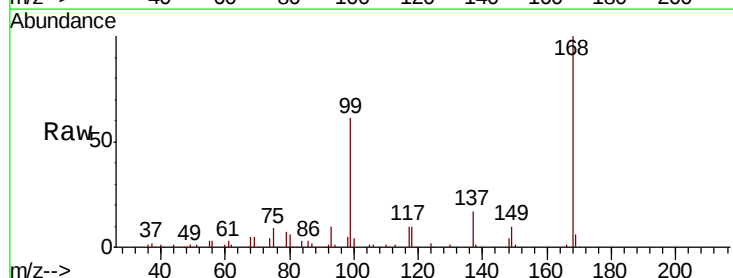
Instrument :
MSVOA_W
ClientSampleId :

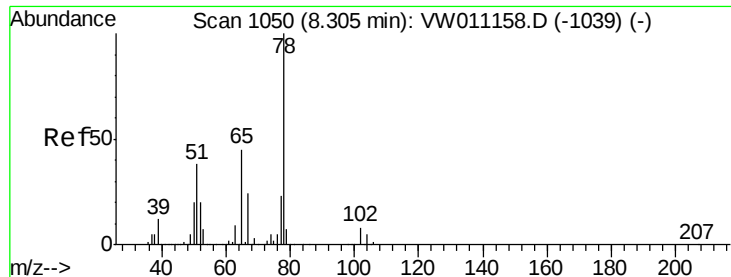
Tot Ion: 42 Resp: 766
Ion Ratio Lower Upper
42 100
72 32.6 27.4 41.2
71 17.8 25.9 38.9#



#31
Cyclohexane
Concen: 1.094 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW011357.D
Acq: 19 Jul 2019 02:58

Tgt Ion: 56 Resp: 3227
Ion Ratio Lower Upper
56 100
69 170.6 24.6 36.8#
84 111.4 60.1 90.1#





#33

1,2-Dichloroethane-d4

Concen: 71.709 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW011357.D

Acq: 19 Jul 2019 02:58

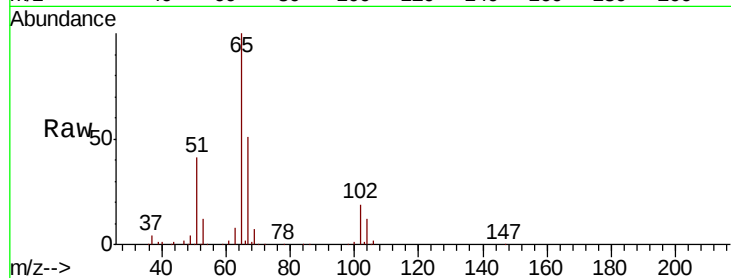
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 65 Resp: 109240

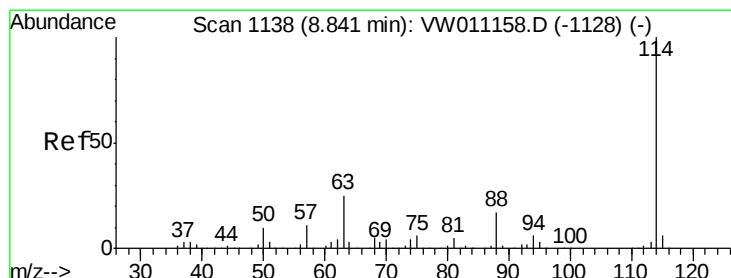
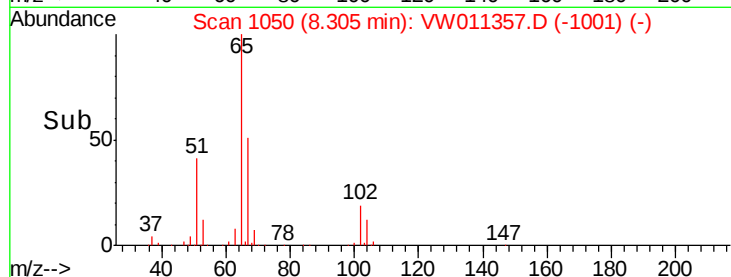
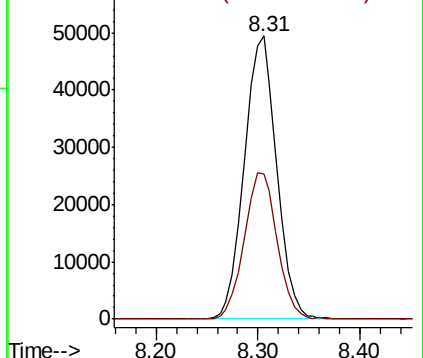
Ion Ratio Lower Upper

65 100

67 52.5 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW011357.D

Acq: 19 Jul 2019 02:58

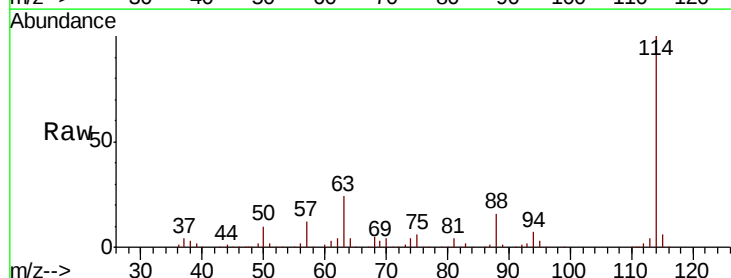
Tgt Ion: 114 Resp: 244010

Ion Ratio Lower Upper

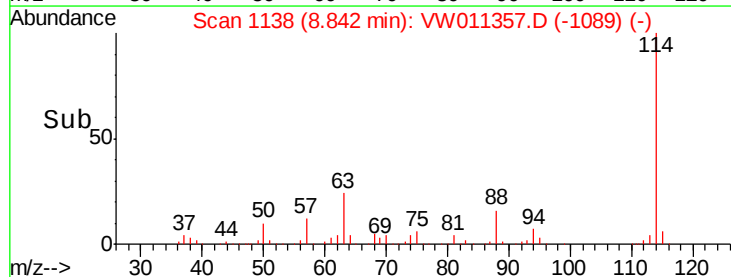
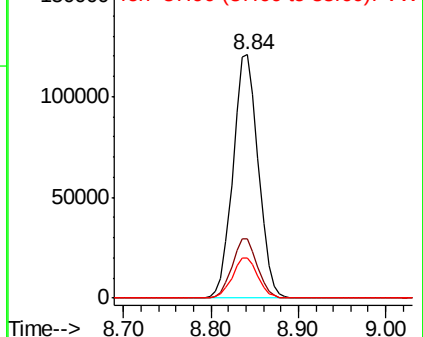
114 100

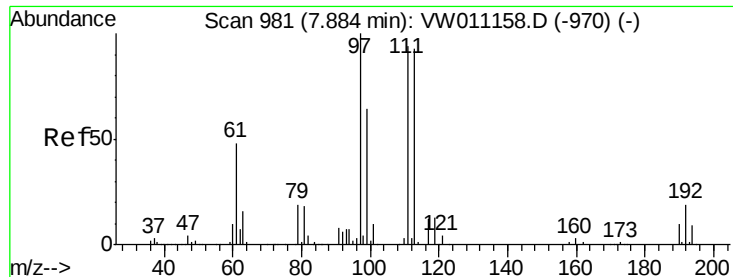
63 24.1 0.0 50.8

88 16.2 0.0 34.2



Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 54.256 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW011357.D

Acq: 19 Jul 2019 02:58

Instrument :

MSVOA_W

ClientSampleId :

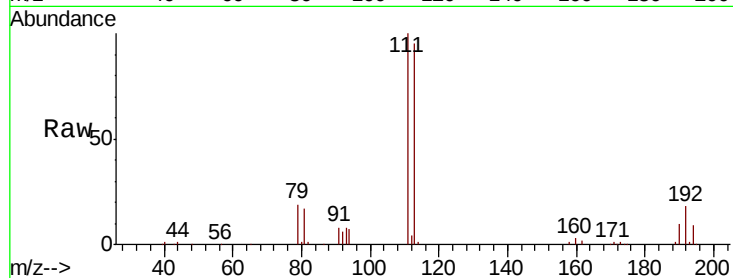
Tot Ion:113 Resp: 78910

Ion Ratio Lower Upper

113 100

111 104.0 82.4 123.6

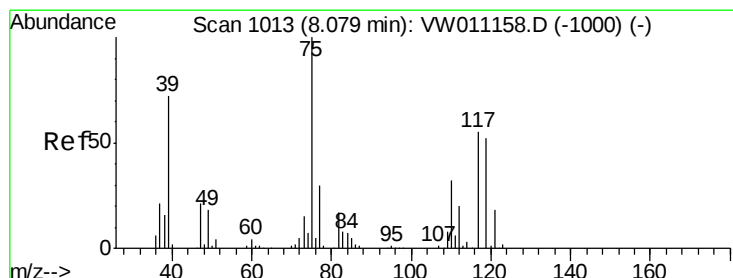
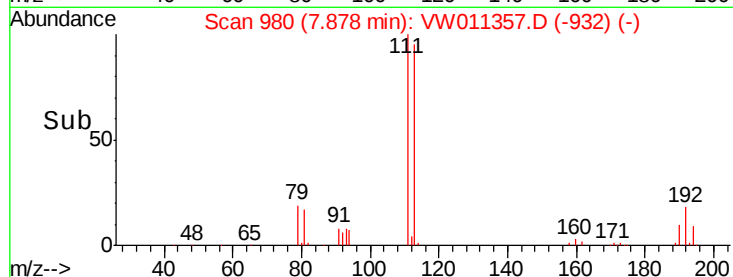
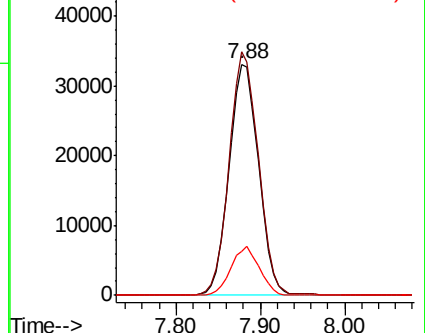
192 20.3 15.8 23.8



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: 4.265 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW011357.D

Acq: 19 Jul 2019 02:58

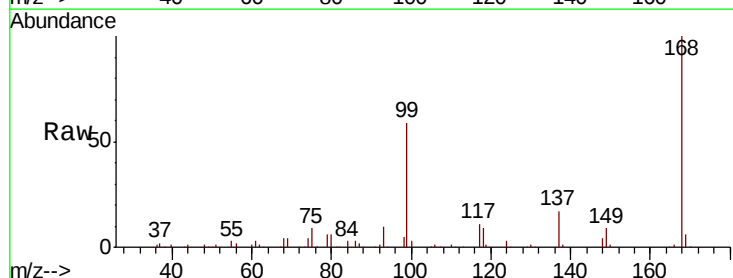
Tgt Ion: 75 Resp: 11083

Ion Ratio Lower Upper

75 100

110 8.4 15.9 47.6#

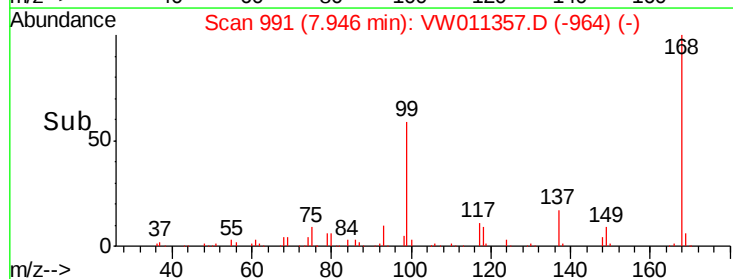
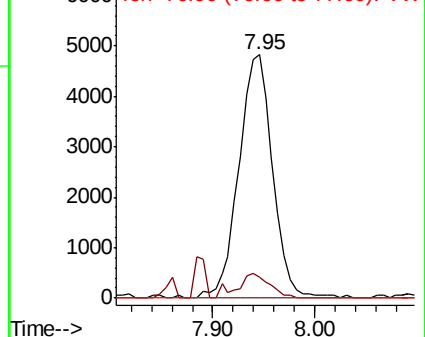
77 0.0 24.6 36.8#

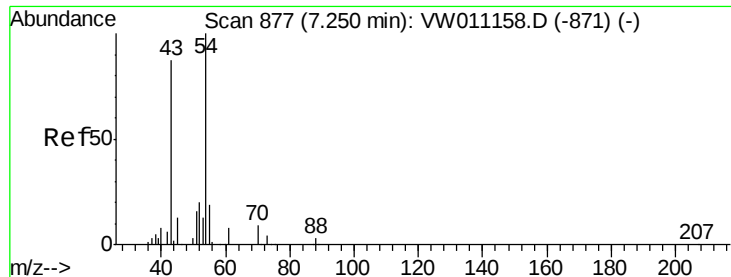


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

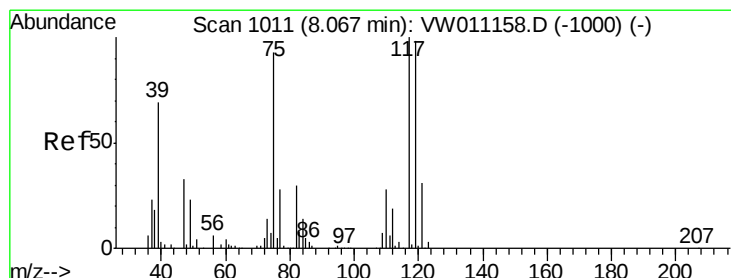
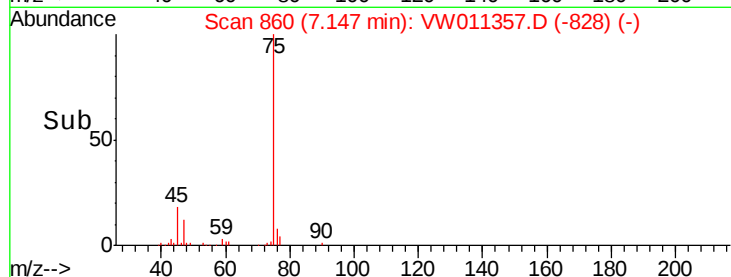
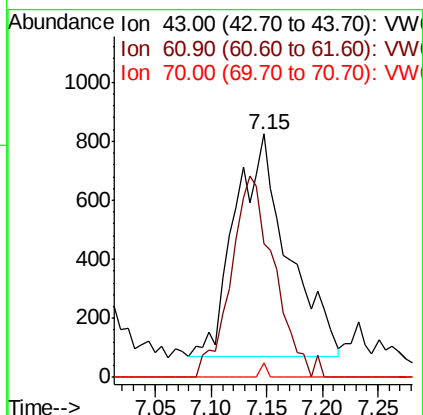
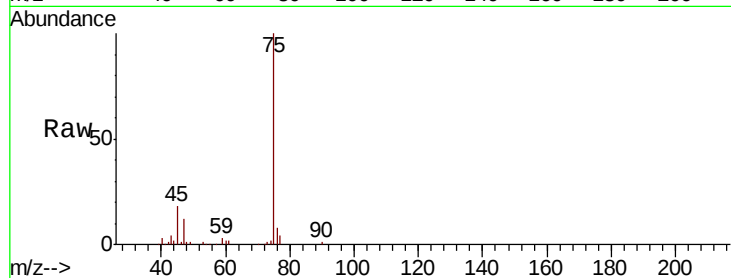




#37
Ethyl Acetate
Concen: 1.600 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.10 min
Lab File: VW011357.D
Acq: 19 Jul 2019 02:58

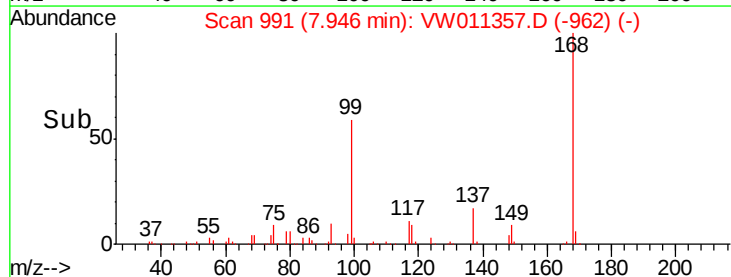
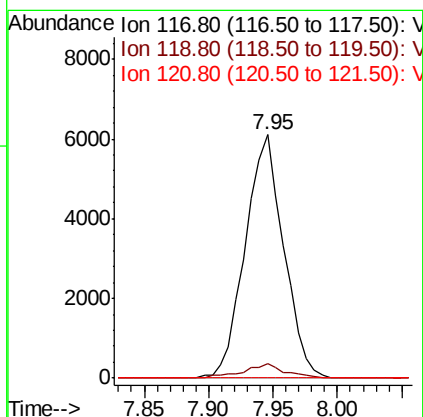
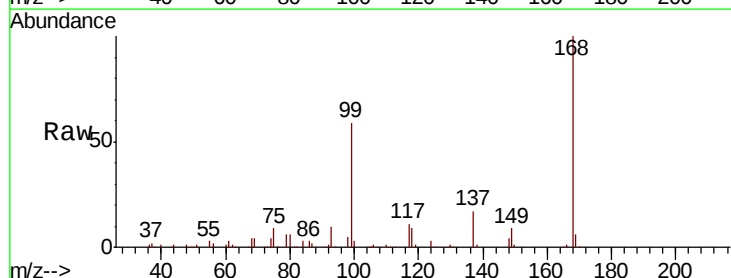
Instrument :
MSVOA_W
ClientSampled :

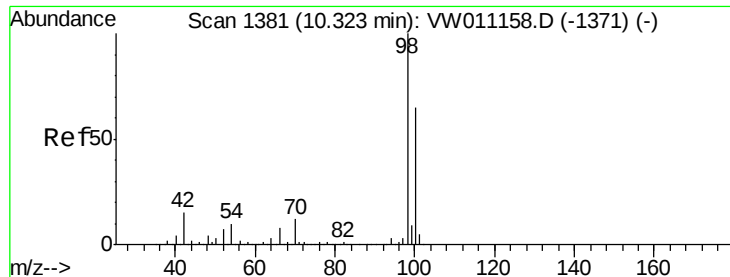
Tot Ion: 43 Resp: 2498
Ion Ratio Lower Upper
43 100
61 73.7 9.5 14.3#
70 0.8 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 5.717 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW011357.D
Acq: 19 Jul 2019 02:58

Tgt Ion: 117 Resp: 12594
Ion Ratio Lower Upper
117 100
119 5.9 78.1 117.1#
121 0.0 25.1 37.7#





#50

Toluene-d8

Concen: 49.415 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011357.D

Acq: 19 Jul 2019 02:58

Instrument :

MSVOA_W

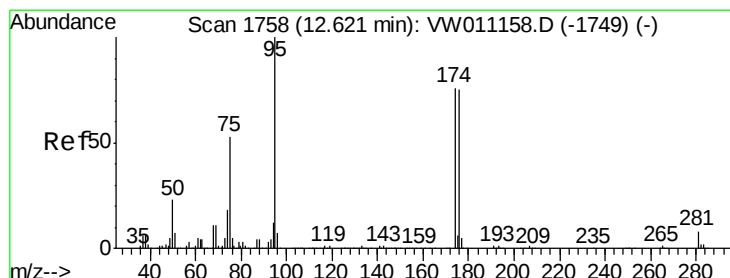
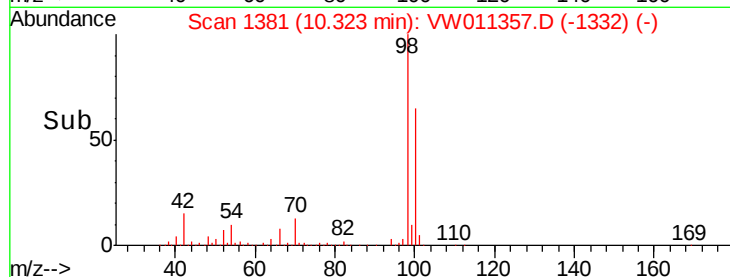
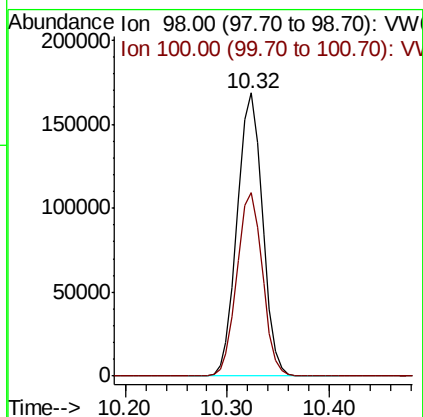
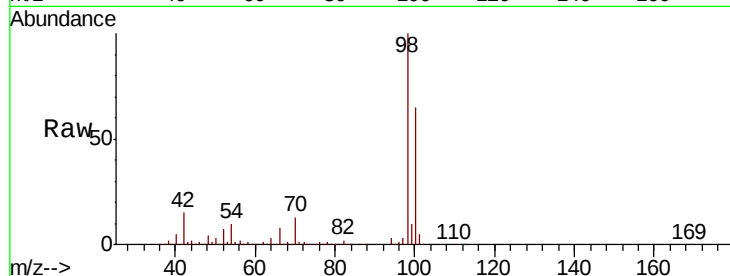
ClientSampleId :

Tot Ion: 98 Resp: 290506

Ion Ratio Lower Upper

98 100

100 65.0 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 51.250 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW011357.D

Acq: 19 Jul 2019 02:58

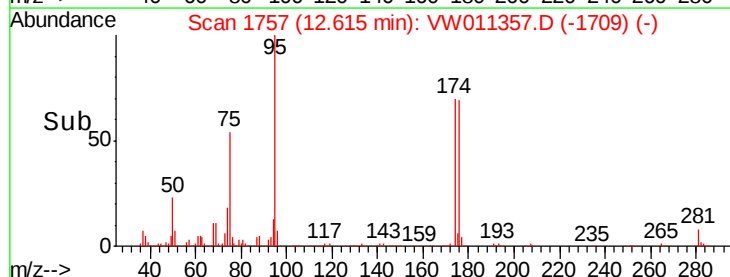
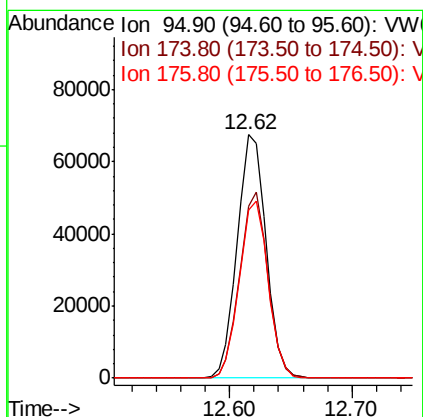
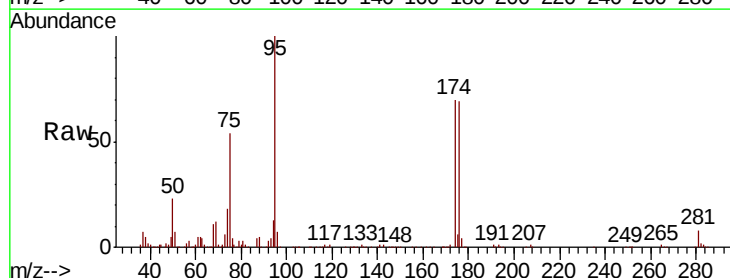
Tgt Ion: 95 Resp: 110436

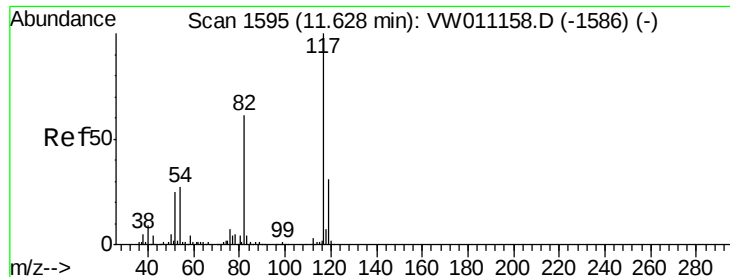
Ion Ratio Lower Upper

95 100

174 74.8 0.0 147.6

176 72.6 0.0 144.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.01 min

Lab File: VW011357.D

Acq: 19 Jul 2019 02:58

Instrument :

MSVOA_W

ClientSampleId :

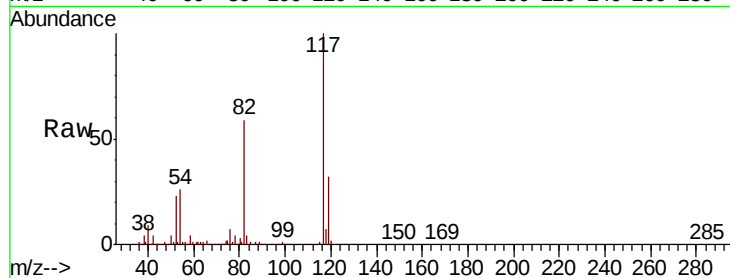
Tot Ion:117 Resp: 236350

Ion	Ratio	Lower	Upper
117	100		
82	58.8	48.9	73.3
119	31.7	25.0	37.6

117 100

82 58.8 48.9 73.3

119 31.7 25.0 37.6

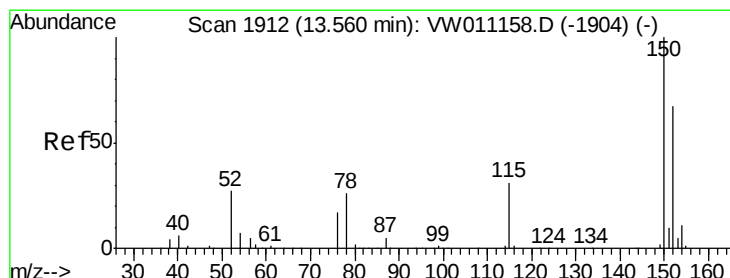
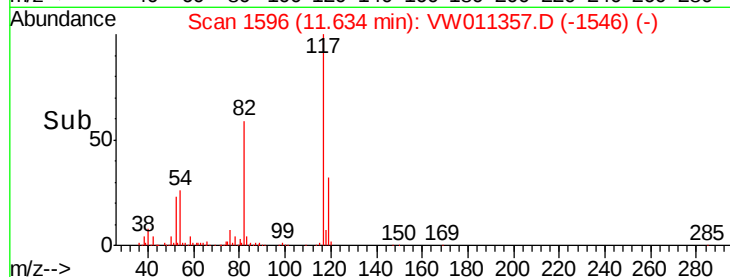
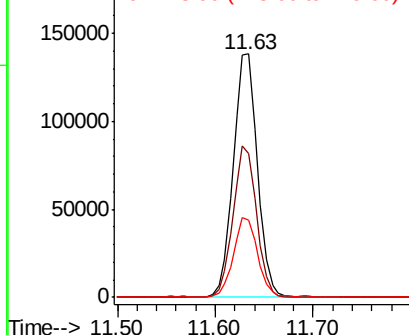


Abundance

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: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW011357.D

Acq: 19 Jul 2019 02:58

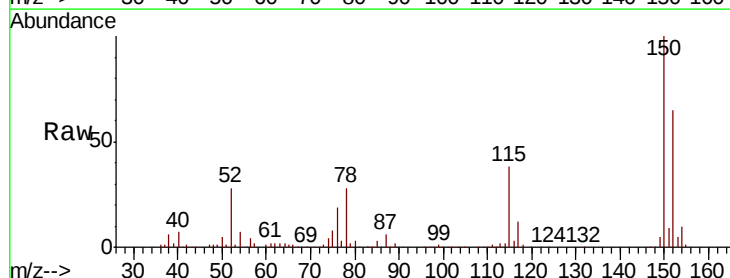
Tgt Ion:152 Resp: 109510

Ion	Ratio	Lower	Upper
152	100		
115	60.9	30.1	90.3
150	157.3	0.0	346.0

152 100

115 60.9 30.1 90.3

150 157.3 0.0 346.0

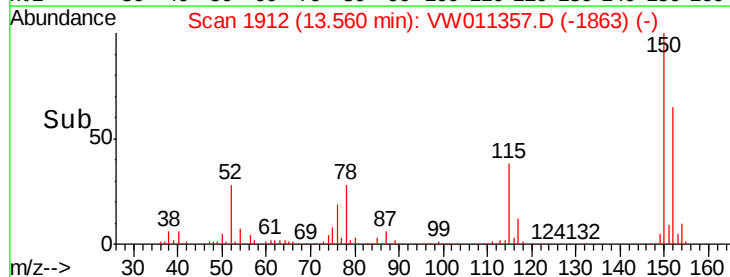
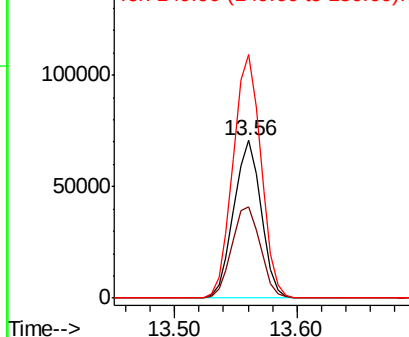


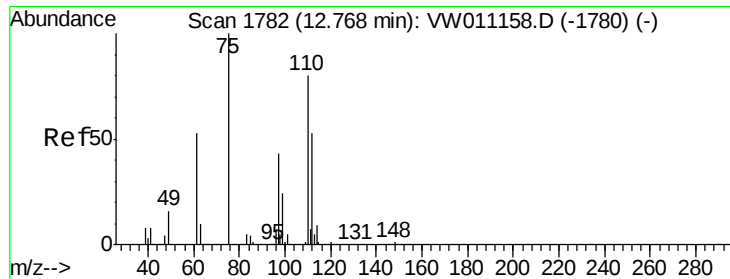
Abundance

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



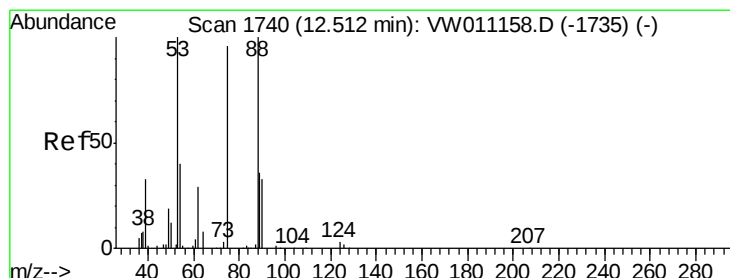
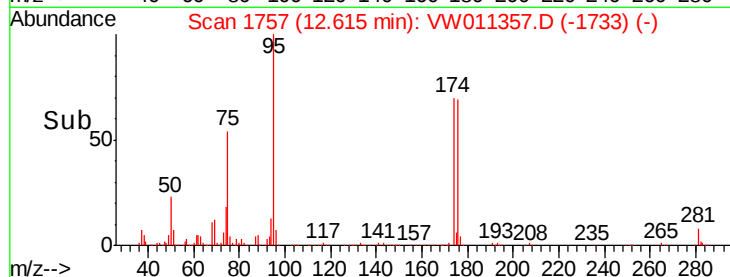
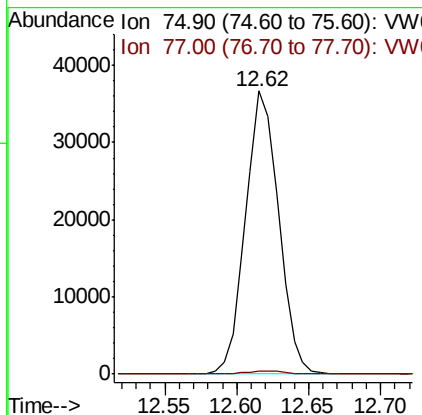
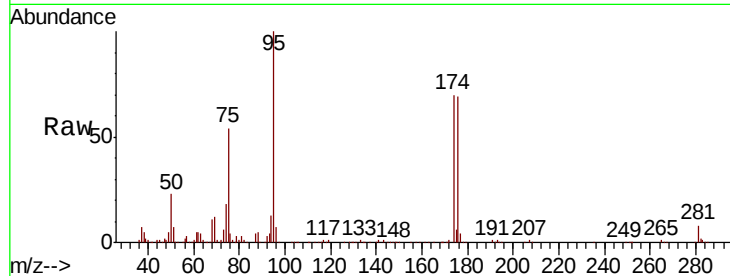


#76

1,2,3-Trichloropropane
Concen: 46.115 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW011357.D
Acq: 19 Jul 2019 02:58

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 75 Resp: 58360
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene
Concen: 104.304 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW011357.D
Acq: 19 Jul 2019 02:58

Tgt Ion: 75 Resp: 58360
Ion Ratio Lower Upper
75 100
53 0.1 89.8 134.6#
89 0.0 34.3 51.5#

