

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022819\
 Data File : VW008895.D
 Acq On : 28 Feb 2019 18:43
 Operator : SY/VA
 Sample : K1650-06
 Misc : 6.53G/5ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 B-3(2.5-3.5)

Quant Time: Mar 01 06:02:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:38:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	340557	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	516066	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	425623	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	155458	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	186862	58.50	ug/l	0.00
Spiked Amount			Recovery	=	117.00%	
35) Dibromofluoromethane	7.88	113	157145	50.72	ug/l	0.00
Spiked Amount			Recovery	=	101.44%	
50) Toluene-d8	10.32	98	603996	50.50	ug/l	0.00
Spiked Amount			Recovery	=	101.00%	
62) 4-Bromofluorobenzene	12.62	95	173060	36.95	ug/l	0.00
Spiked Amount			Recovery	=	73.90%	

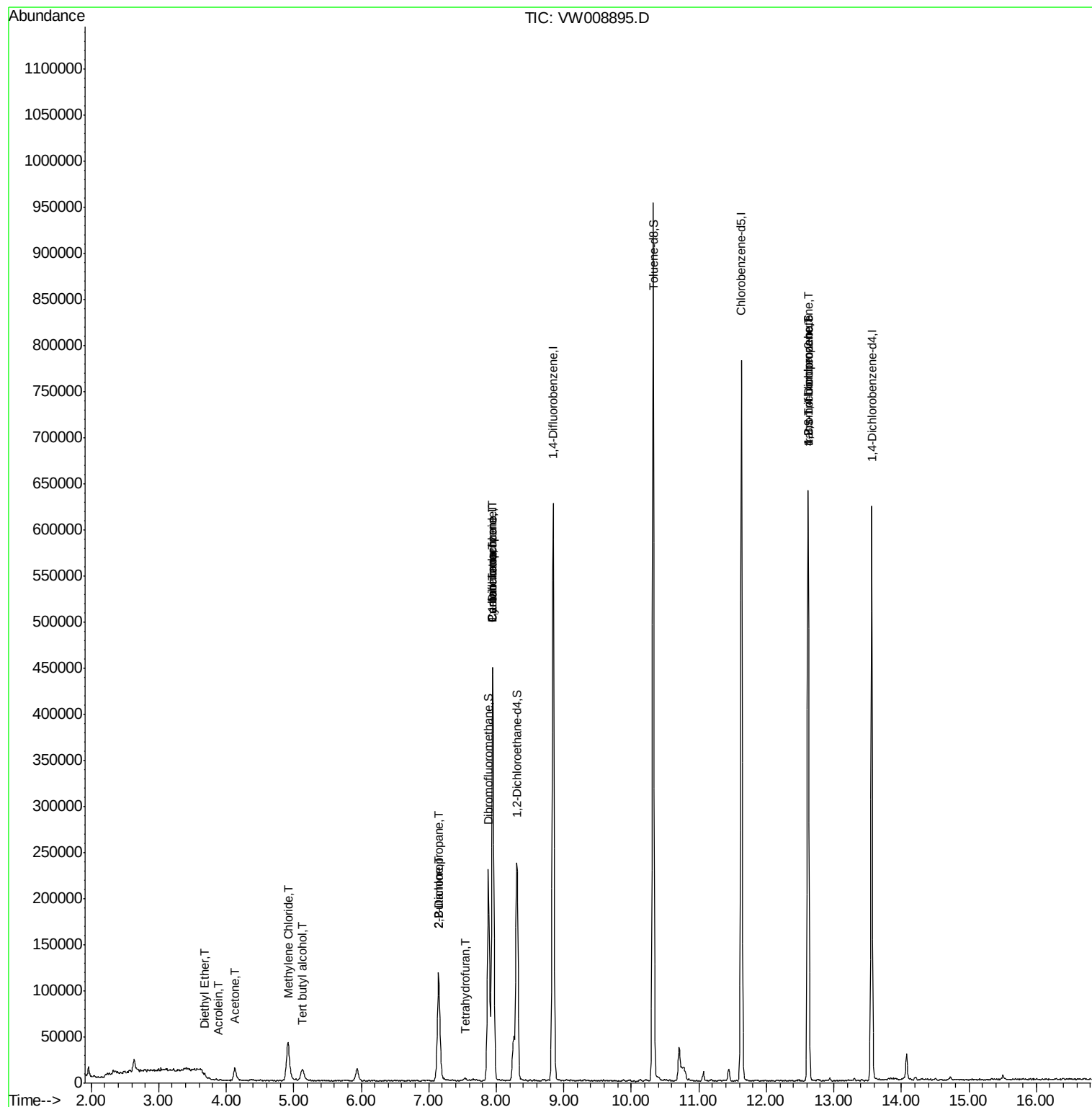
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	2219	1.261	ug/l	93
11) Tert butyl alcohol	5.13	59	10670	37.523	ug/l #	74
13) Acrolein	3.88	56	275	20.624	ug/l #	44
16) Acetone	4.13	43	24068	32.508	ug/l	96
20) Methylene Chloride	4.92	84	31492	3.927	ug/l	94
25) 2-Butanone	7.15	43	8376	8.092	ug/l #	88
26) 2,2-Dichloropropane	7.15	77	7765	1.438	ug/l #	54
29) Tetrahydrofuran	7.54	42	2198	3.332	ug/l #	68
31) Cyclohexane	7.95	56	7431	1.234	ug/l #	25
36) 1,1-Dichloropropene	7.95	75	25388	5.054	ug/l #	50
38) Carbon Tetrachloride	7.95	117	32973	6.224	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	92286	71.901	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	92286	174.797	ug/l #	6

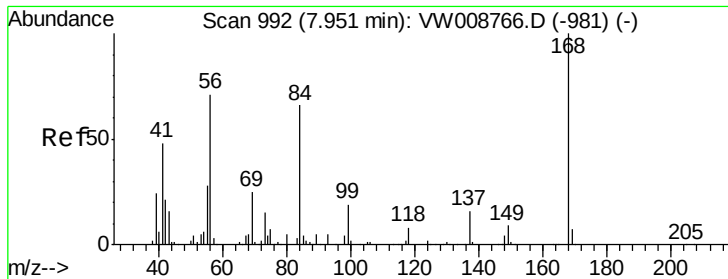
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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B-3(2.5-3.5)

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Quant Title : SW846 8260
QLast Update : Fri Feb 22 00:38:32 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW008895.D

Acq: 28 Feb 2019 18:43

Instrument :

MSVOA_W

ClientSampleId :

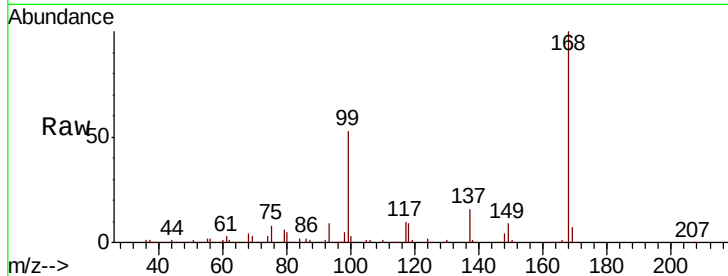
B-3(2.5-3.5)

Tot Ion:168 Resp: 340557

Ion Ratio Lower Upper

168 100

99 53.4 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

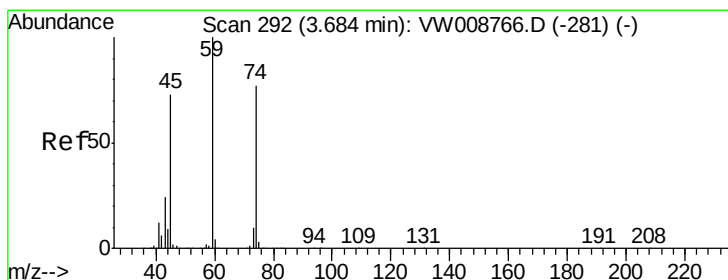
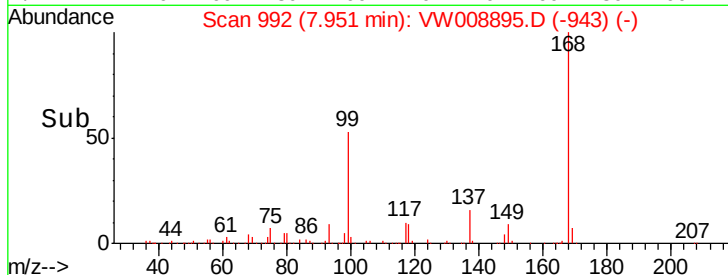
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.261 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.01 min

Lab File: VW008895.D

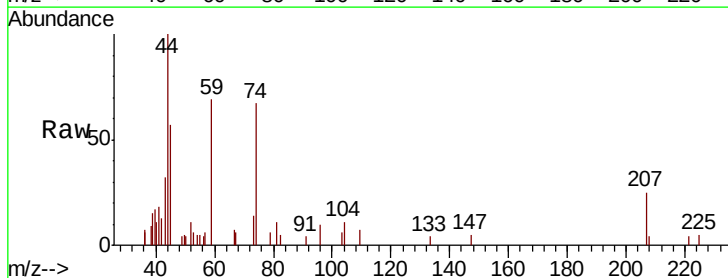
Acq: 28 Feb 2019 18:43

Tgt Ion: 74 Resp: 2219

Ion Ratio Lower Upper

74 100

45 107.4 50.2 150.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

1200

1000

800

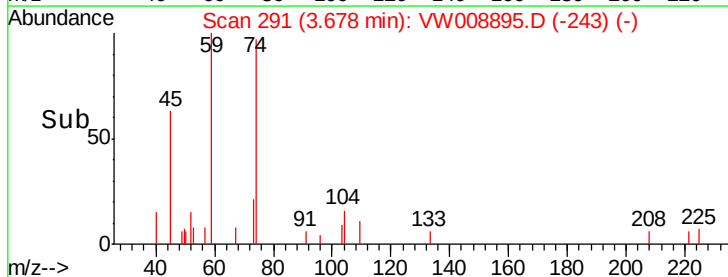
600

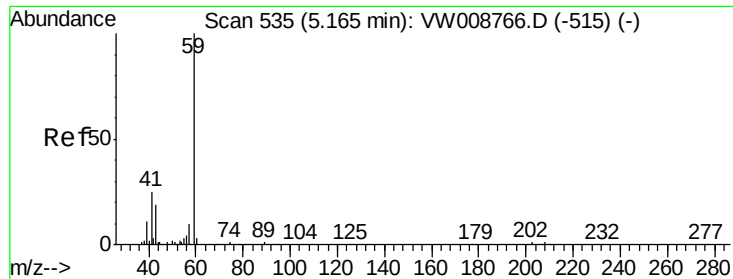
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200

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Time-->

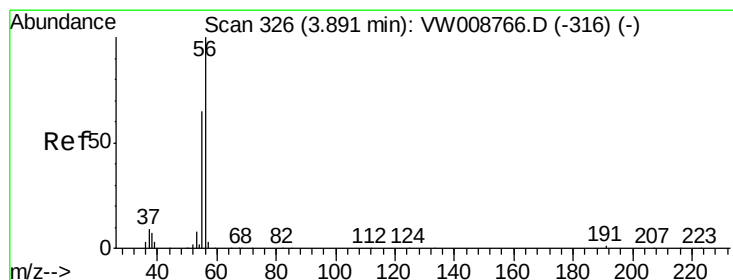
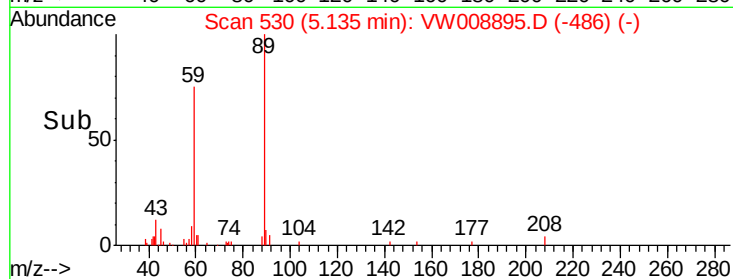
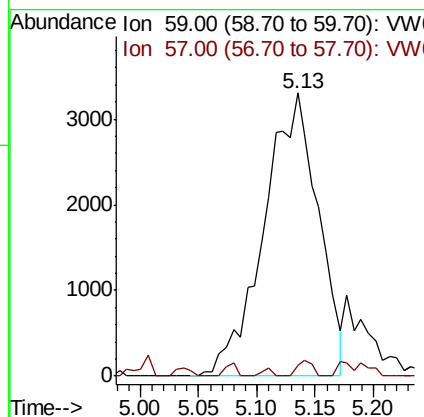
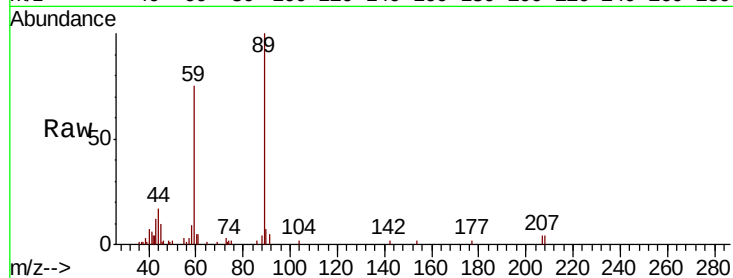




#11
Tert butyl alcohol
Concen: 37.523 ug/l
RT: 5.13 min Scan# 530
Delta R.T. -0.03 min
Lab File: VW008895.D
Acq: 28 Feb 2019 18:43

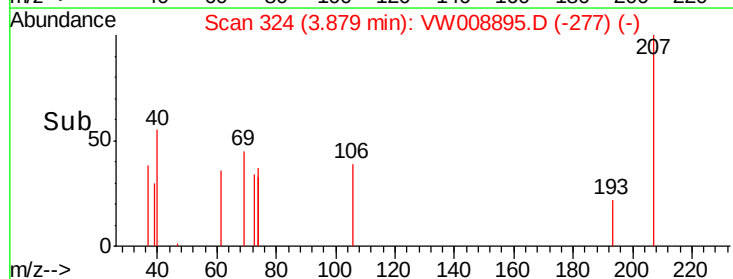
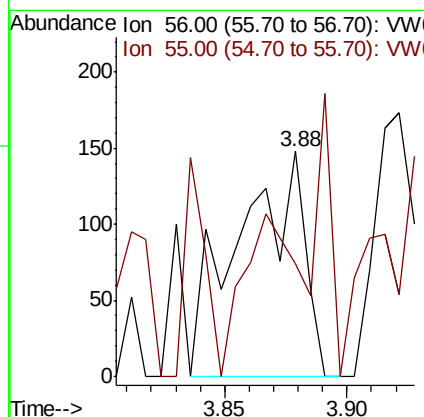
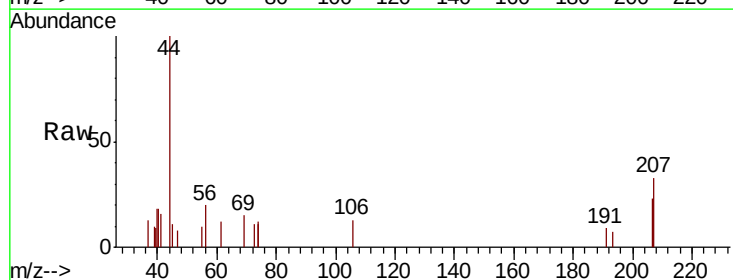
Instrument :
MSVOA_W
ClientSampled :
B-3(2.5-3.5)

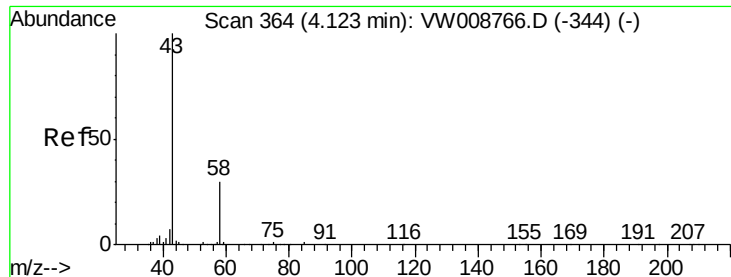
Tot Ion: 59 Resp: 10670
Ion Ratio Lower Upper
59 100
57 1.5 9.3 13.9#



#13
Acrolein
Concen: 20.624 ug/l
RT: 3.88 min Scan# 324
Delta R.T. -0.01 min
Lab File: VW008895.D
Acq: 28 Feb 2019 18:43

Tgt Ion: 56 Resp: 275
Ion Ratio Lower Upper
56 100
55 24.7 56.9 85.3#





#16

Acetone

Concen: 32.508 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008895.D

Acq: 28 Feb 2019 18:43

Instrument :

MSVOA_W

ClientSampleId :

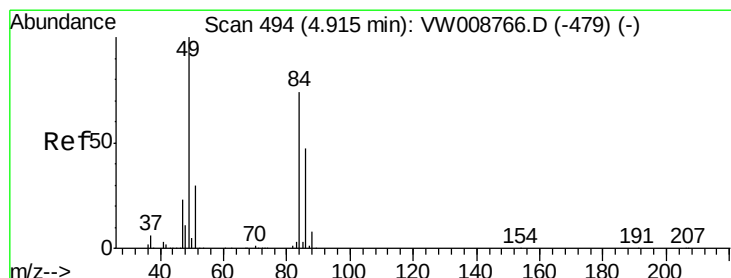
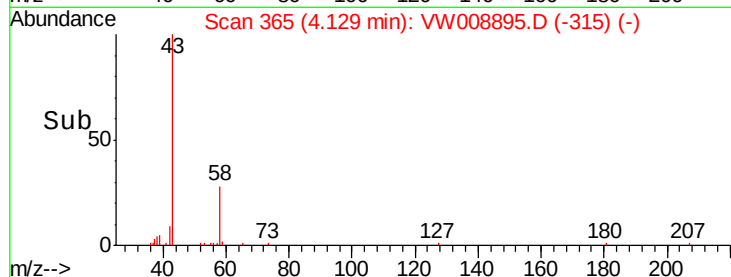
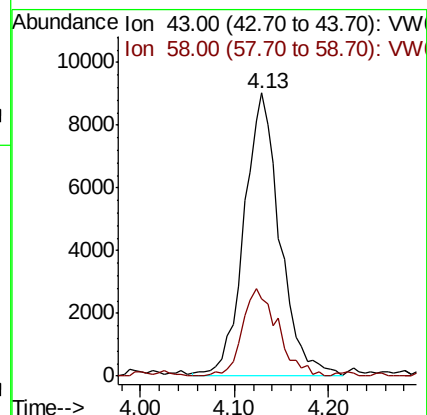
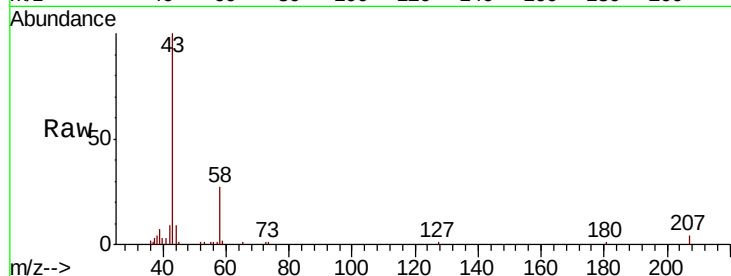
B-3(2.5-3.5)

Tot Ion: 43 Resp: 24068

Ion Ratio Lower Upper

43 100

58 27.3 23.8 35.6



#20

Methylene Chloride

Concen: 3.927 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW008895.D

Acq: 28 Feb 2019 18:43

Tgt Ion: 84 Resp: 31492

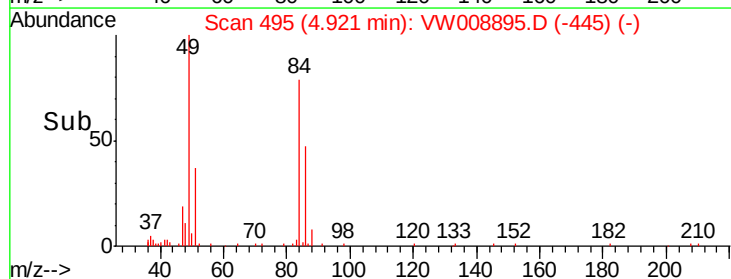
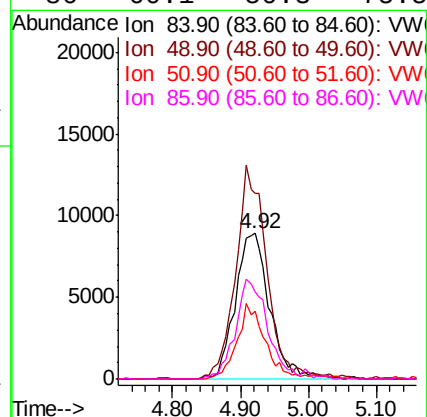
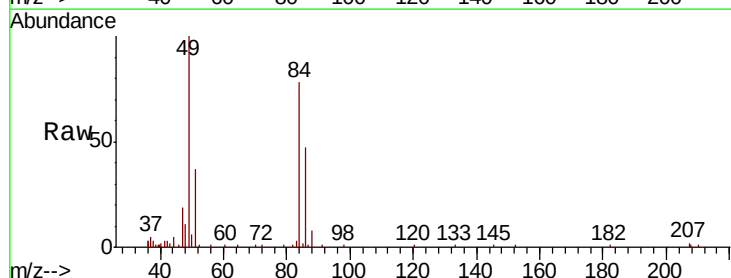
Ion Ratio Lower Upper

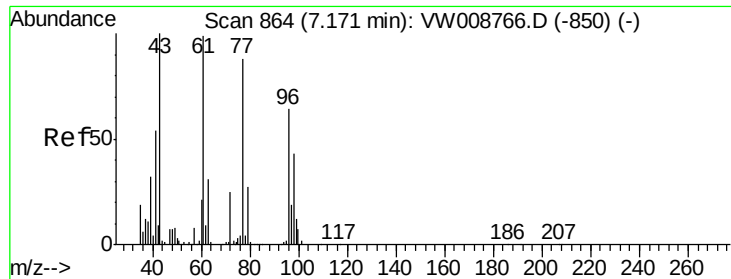
84 100

49 127.4 108.2 162.2

51 46.8 32.7 49.1

86 60.1 50.3 75.5

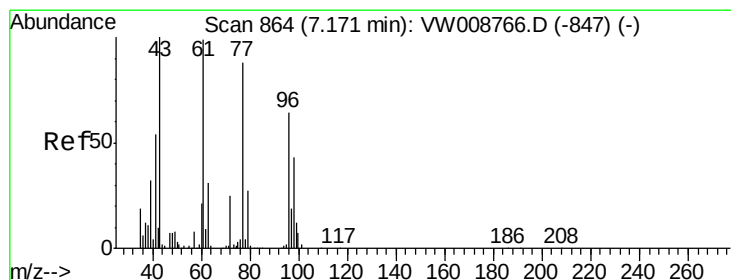
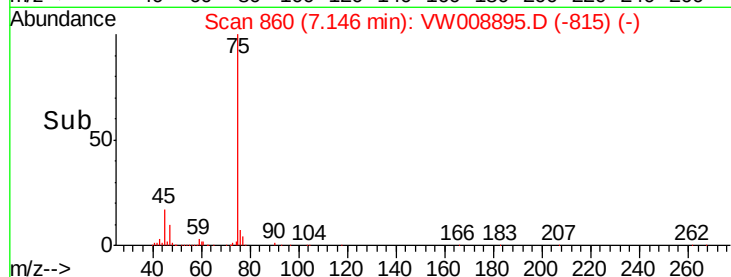
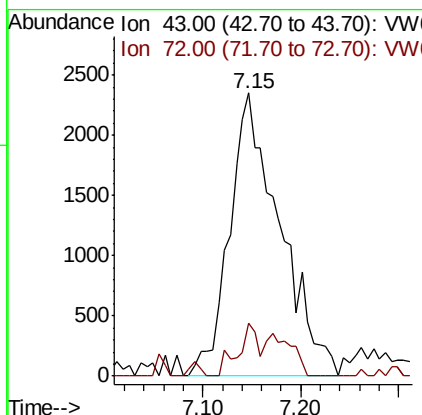
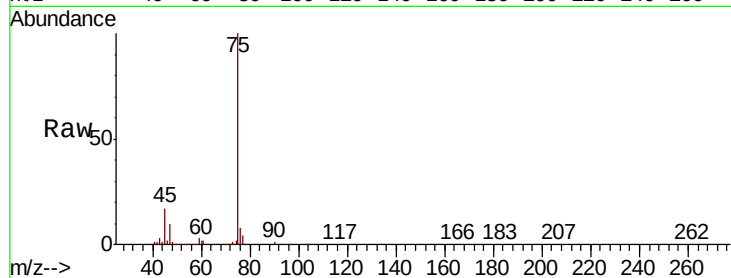




#25
 2-Butanone
 Concen: 8.092 ug/l
 RT: 7.15 min Scan# 860
 Delta R.T. -0.02 min
 Lab File: VW008895.D
 Acq: 28 Feb 2019 18:43

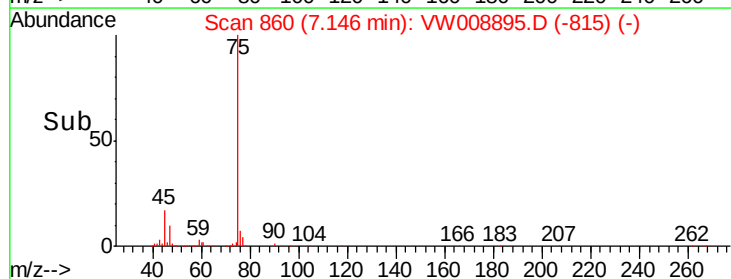
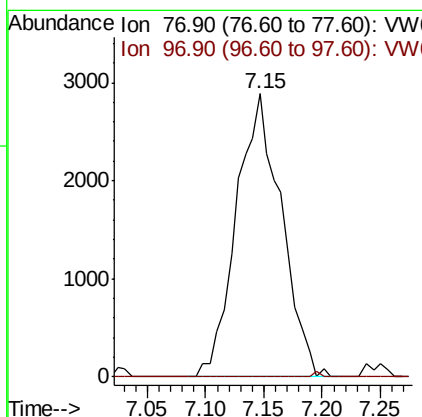
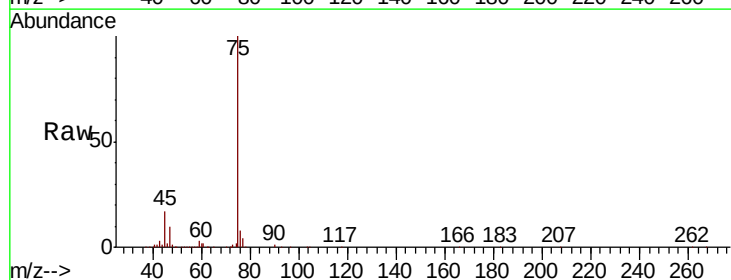
Instrument :
 MSVOA_W
 ClientSampleId :
 B-3(2.5-3.5)

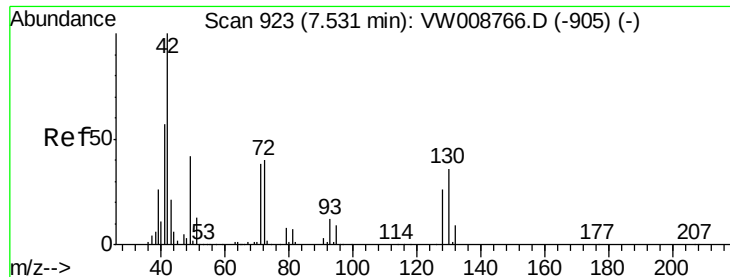
Tot Ion: 43 Resp: 8376
 Ion Ratio Lower Upper
 43 100
 72 18.6 19.7 29.5#



#26
 2,2-Dichloropropane
 Concen: 1.438 ug/l
 RT: 7.15 min Scan# 860
 Delta R.T. -0.02 min
 Lab File: VW008895.D
 Acq: 28 Feb 2019 18:43

Tgt Ion: 77 Resp: 7765
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.0 33.0#

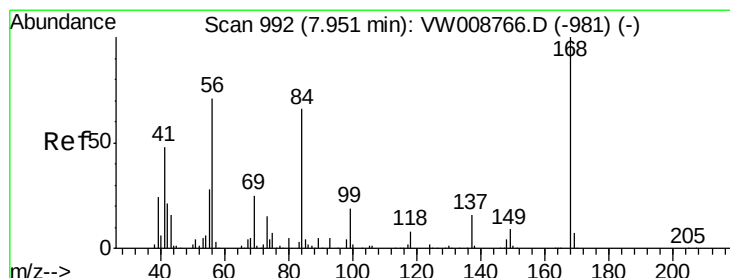
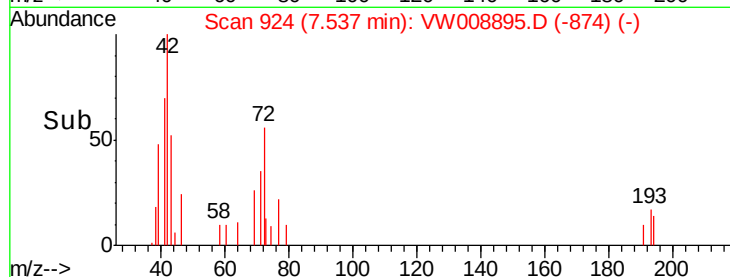
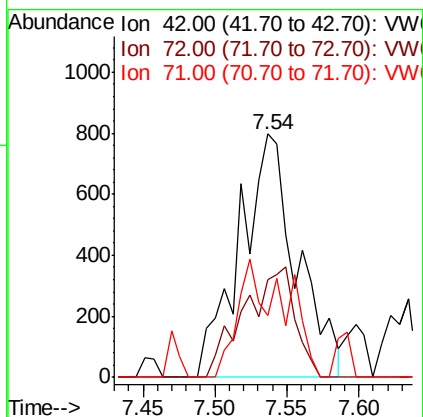
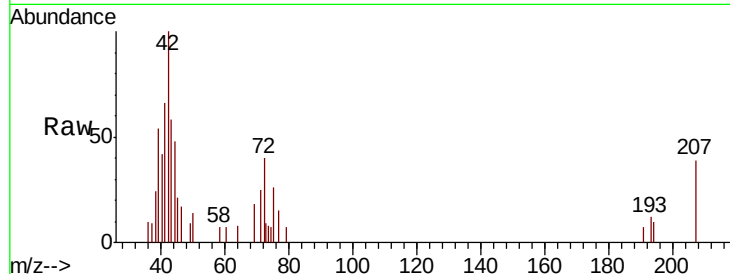




#29
Tetrahydrofuran
Concen: 3.332 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW008895.D
Acq: 28 Feb 2019 18:43

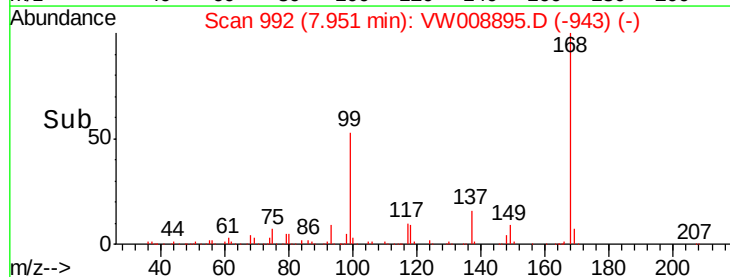
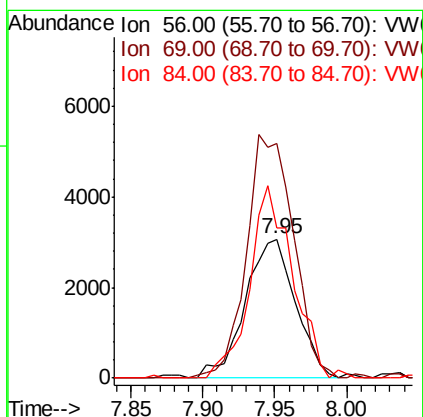
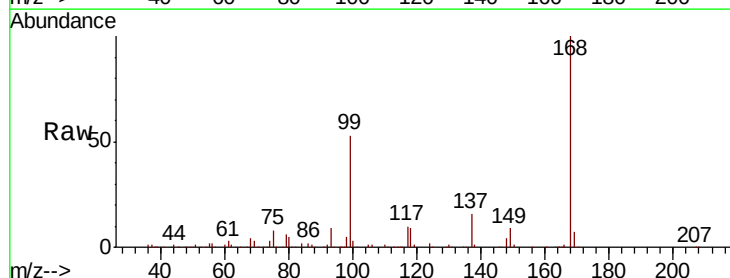
Instrument :
MSVOA_W
ClientSampled :
B-3(2.5-3.5)

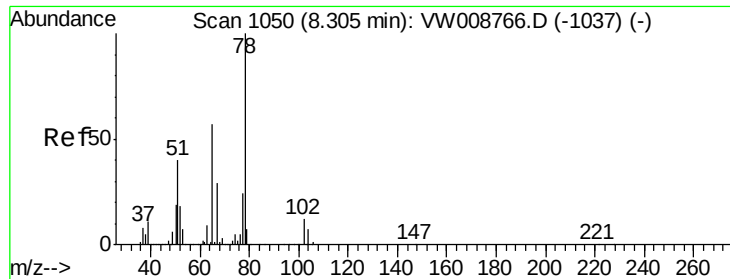
Tot Ion: 42 Resp: 2198
Ion Ratio Lower Upper
42 100
72 40.4 32.7 49.1
71 0.0 31.3 46.9#



#31
Cyclohexane
Concen: 1.234 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW008895.D
Acq: 28 Feb 2019 18:43

Tgt Ion: 56 Resp: 7431
Ion Ratio Lower Upper
56 100
69 169.2 28.2 42.4#
84 107.9 74.1 111.1

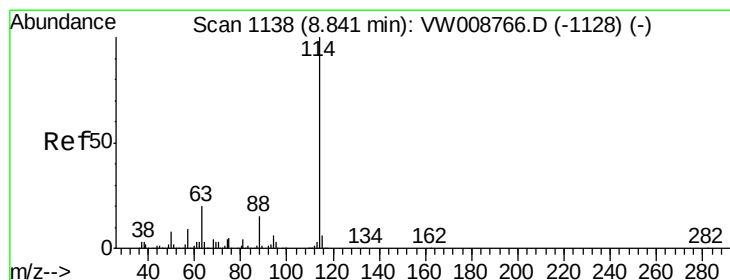
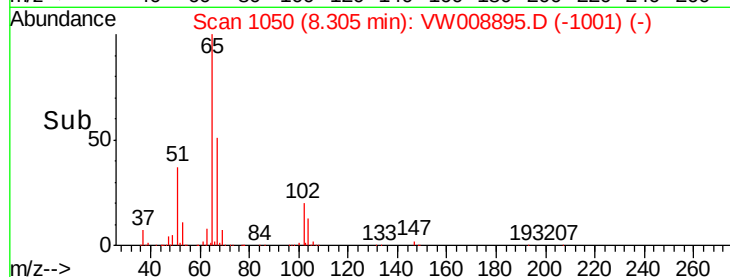
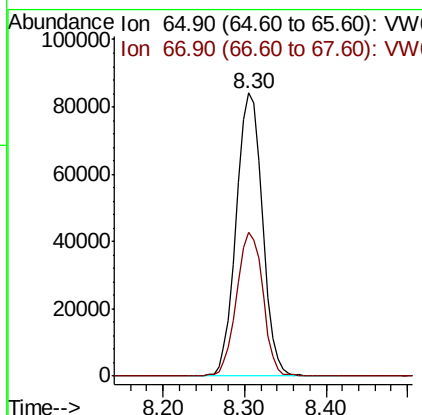
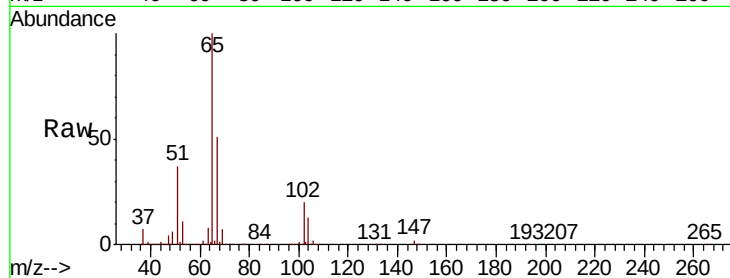




#33
 1,2-Dichloroethane-d4
 Concen: 58.502 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008895.D
 Acq: 28 Feb 2019 18:43

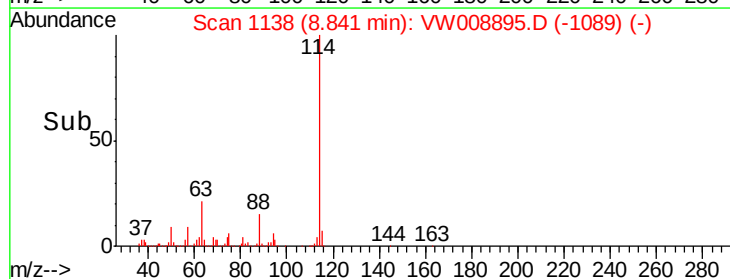
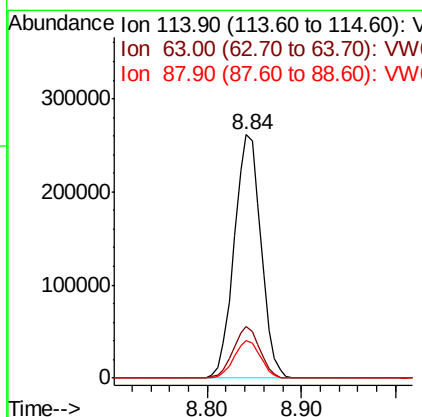
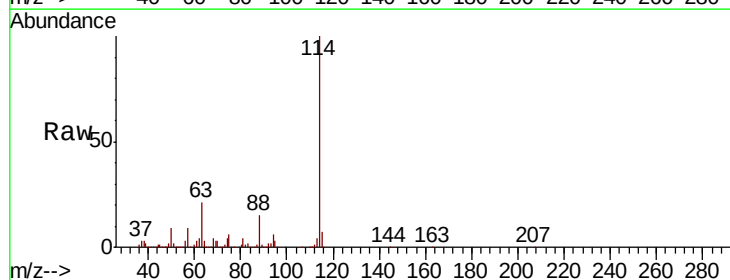
Instrument :
 MSVOA_W
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 B-3(2.5-3.5)

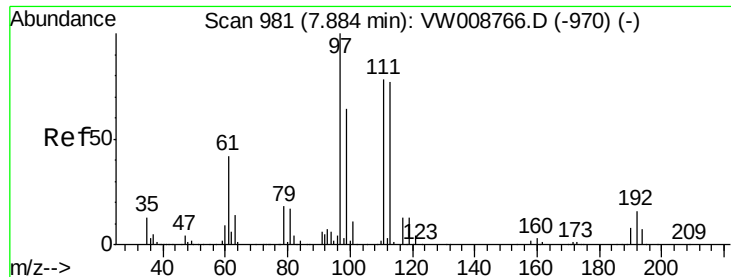
Tot Ion: 65 Resp: 186862
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008895.D
 Acq: 28 Feb 2019 18:43

Tgt Ion: 114 Resp: 516066
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 40.8
 88 15.2 0.0 30.4

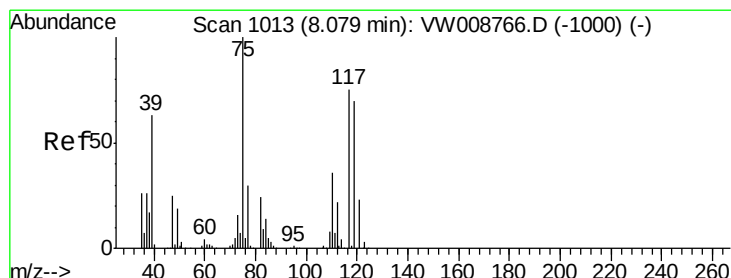
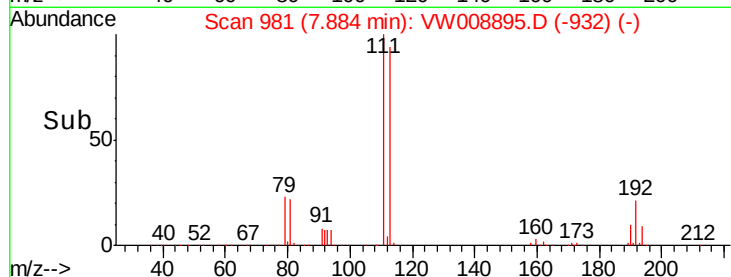
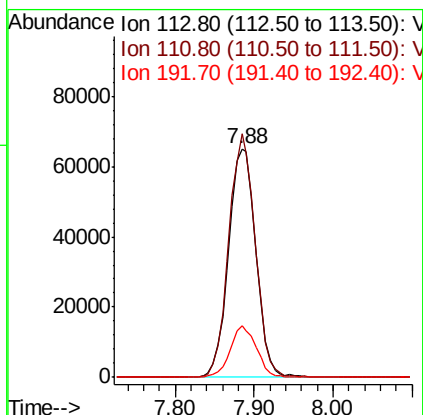
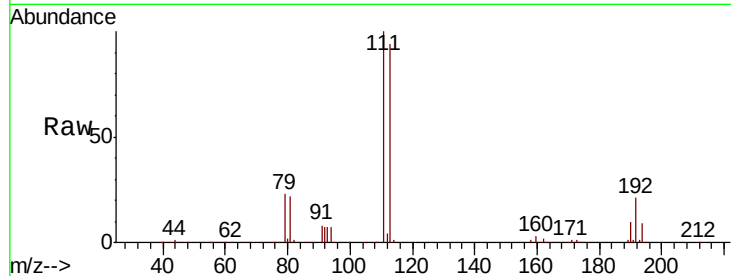




#35
 Dibromofluoromethane
 Concen: 50.716 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW008895.D
 Acq: 28 Feb 2019 18:43

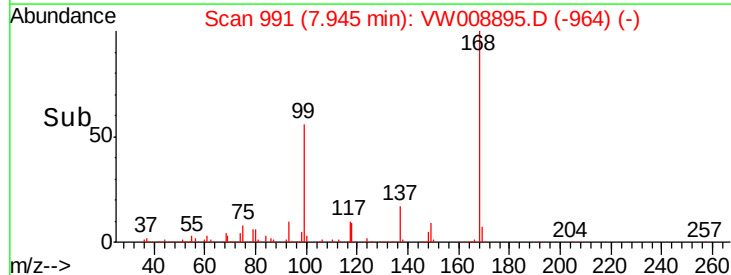
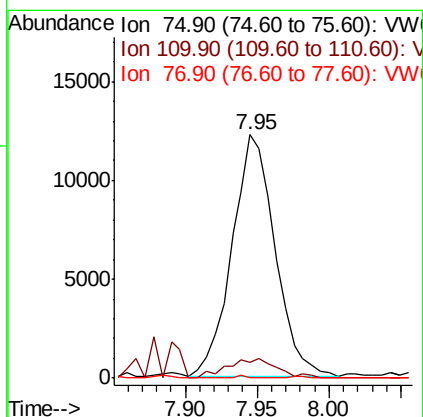
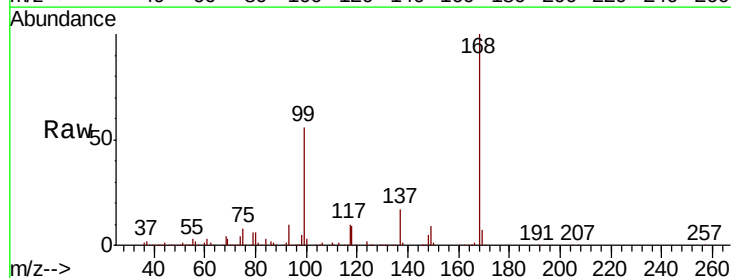
Instrument :
 MSVOA_W
 ClientSampleId :
 B-3(2.5-3.5)

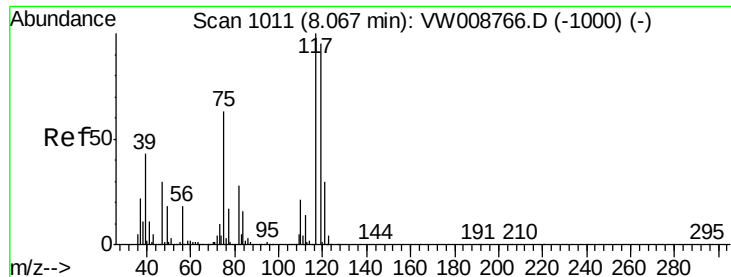
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.9	122.9
192	21.5	17.1	25.7



#36
 1,1-Dichloropropene
 Concen: 5.054 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008895.D
 Acq: 28 Feb 2019 18:43

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.4	17.5	52.6#
77	0.2	24.5	36.7#





#38

Carbon Tetrachloride

Concen: 6.224 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW008895.D

Acq: 28 Feb 2019 18:43

Instrument :

MSVOA_W

ClientSampleId :

B-3(2.5-3.5)

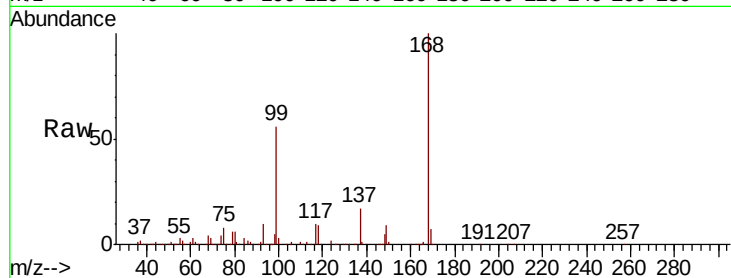
Tot Ion:117 Resp: 32973

Ion Ratio Lower Upper

117 100

119 4.2 76.1 114.1#

121 0.0 24.0 36.0#

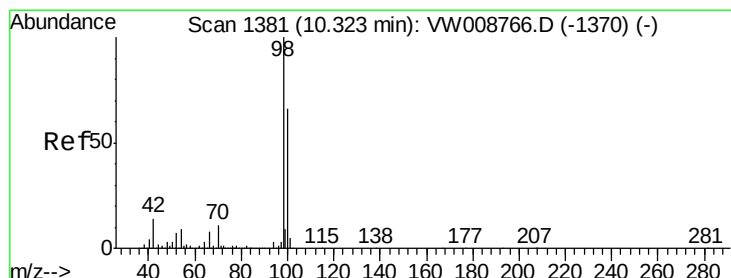
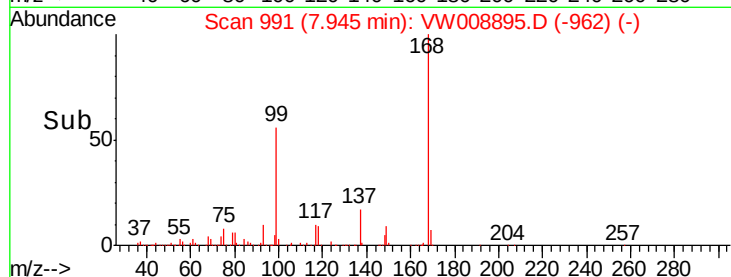
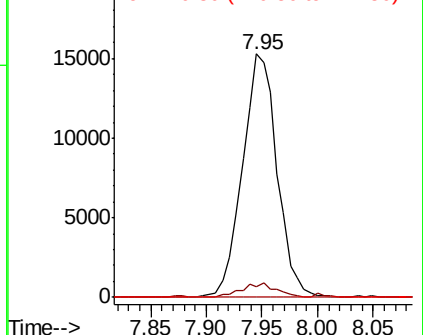


Abundance

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: 50.496 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008895.D

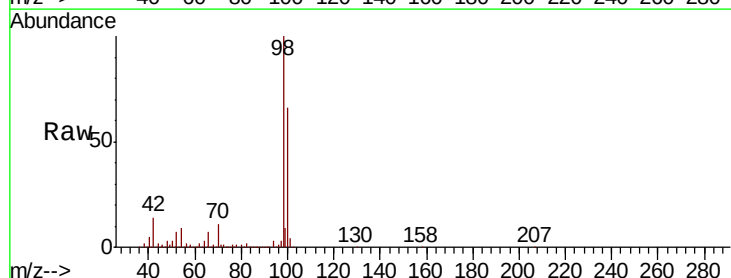
Acq: 28 Feb 2019 18:43

Tgt Ion: 98 Resp: 603996

Ion Ratio Lower Upper

98 100

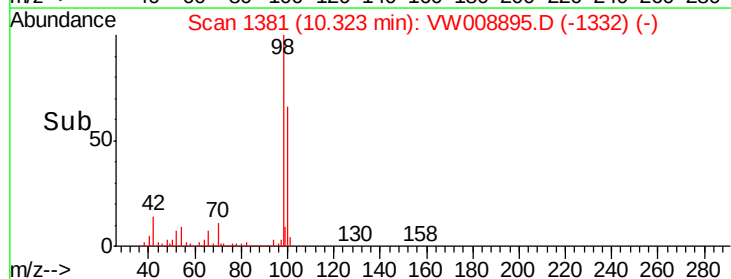
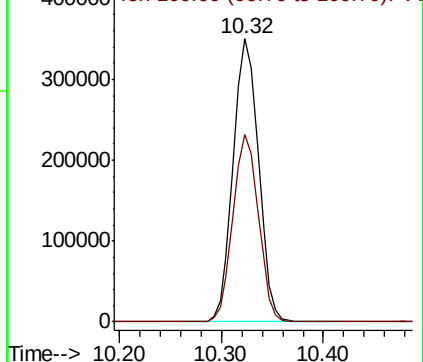
100 66.3 52.4 78.6

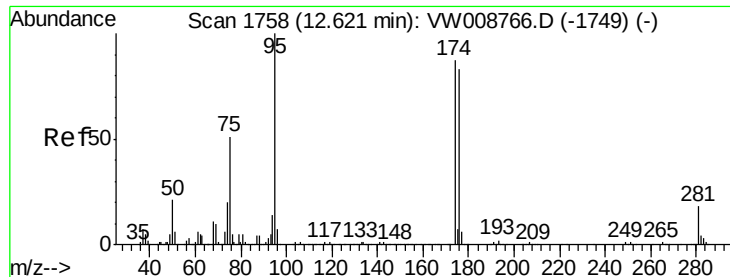


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 36.952 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008895.D

Acq: 28 Feb 2019 18:43

Instrument :

MSVOA_W

ClientSampleId :

B-3(2.5-3.5)

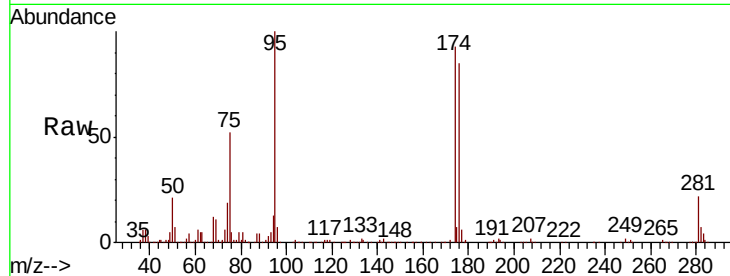
Tot Ion: 95 Resp: 173060

Ion Ratio Lower Upper

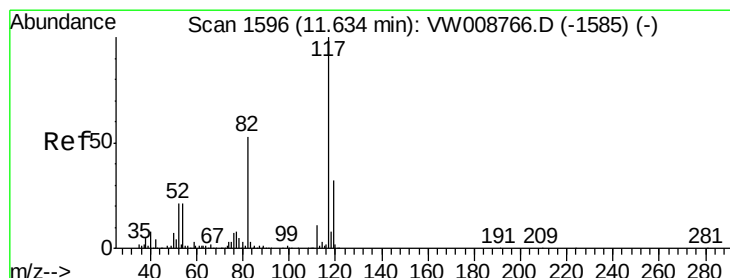
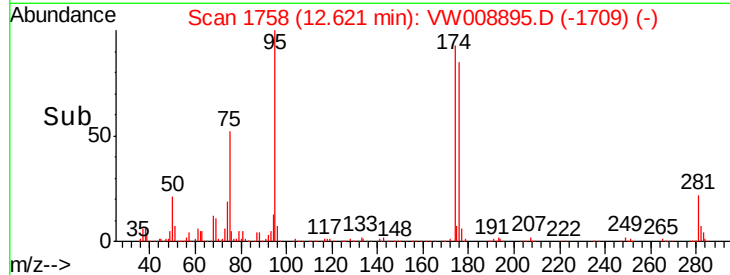
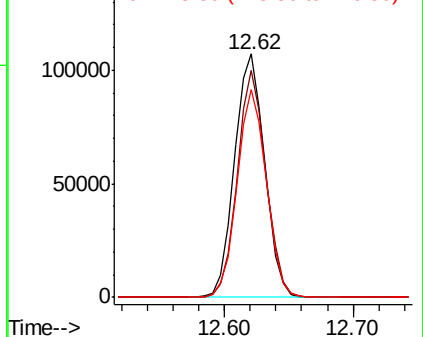
95 100

174 88.2 0.0 169.2

176 82.8 0.0 163.6



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. -0.00 min

Lab File: VW008895.D

Acq: 28 Feb 2019 18:43

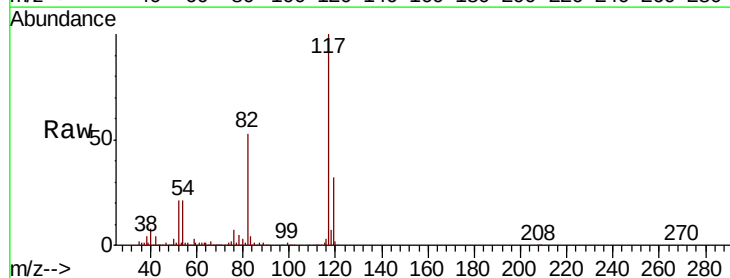
Tgt Ion: 117 Resp: 425623

Ion Ratio Lower Upper

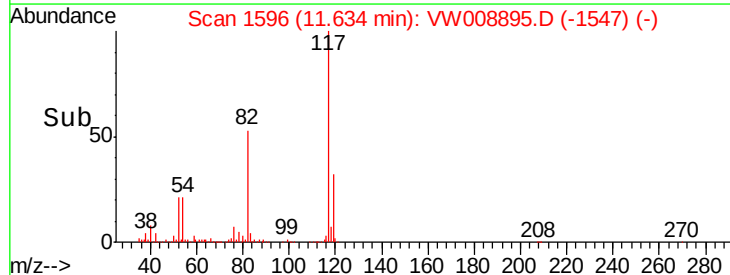
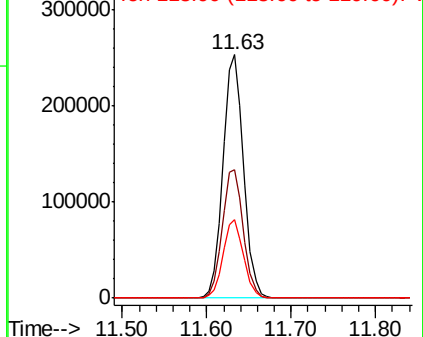
117 100

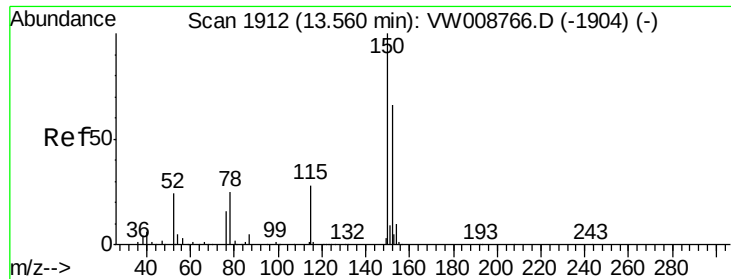
82 53.0 42.2 63.4

119 32.1 25.9 38.9



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



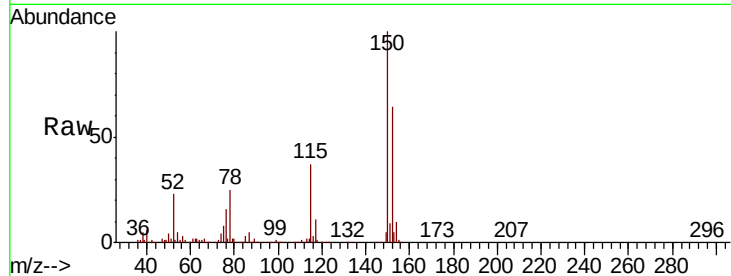


#72

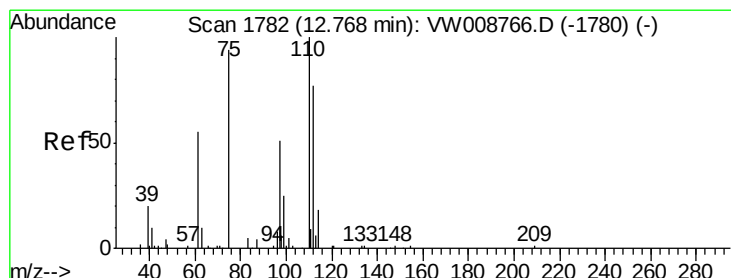
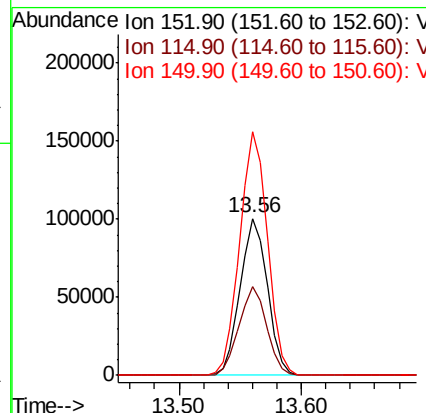
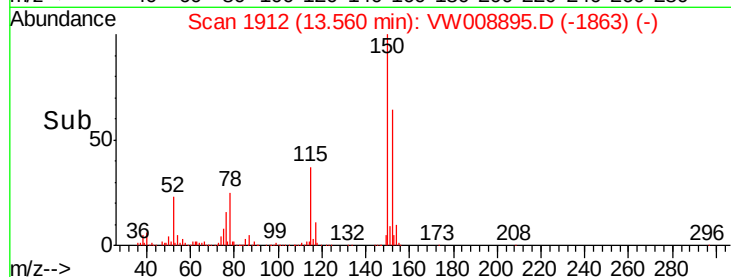
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008895.D
Acq: 28 Feb 2019 18:43

Instrument :
MSVOA_W
ClientSampleId :
B-3(2.5-3.5)

Tot Ion	Ratio	Lower	Upper
152	100		
115	57.4	28.6	85.8
150	157.4	0.0	348.0



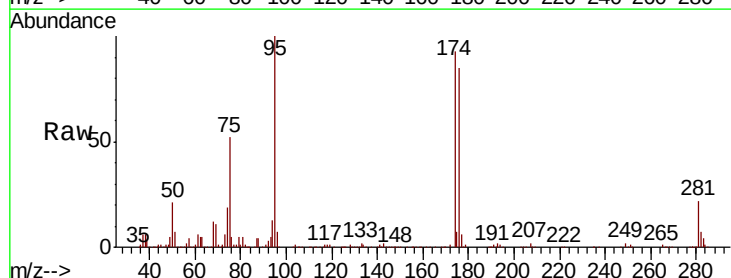
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



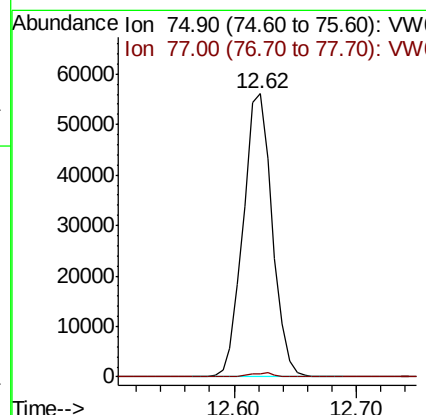
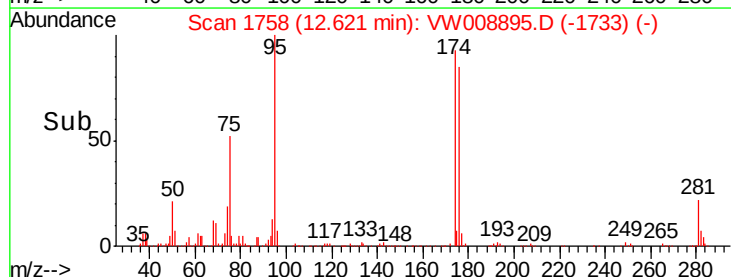
#76

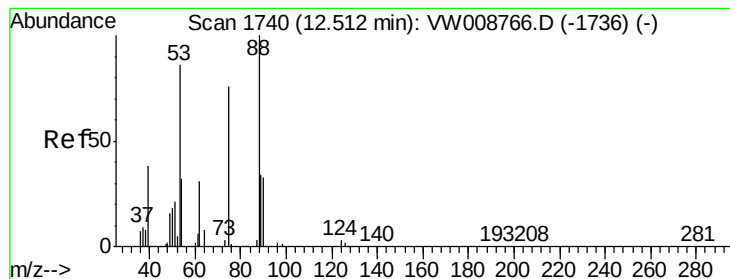
1,2,3-Trichloropropane
Concen: 71.901 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW008895.D
Acq: 28 Feb 2019 18:43

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.3	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: 174.797 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008895.D

Acq: 28 Feb 2019 18:43

Instrument :

MSVOA_W

ClientSampleId :

B-3(2.5-3.5)

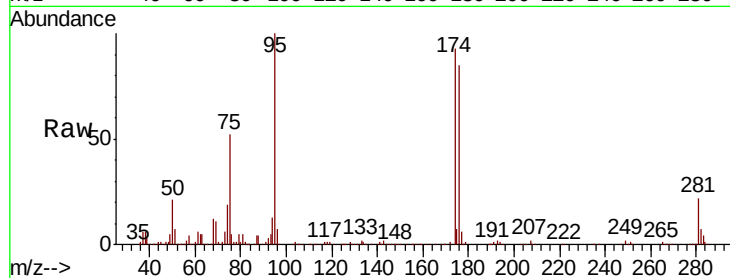
Tot Ion: 75 Resp: 92286

Ion Ratio Lower Upper

75 100

53 0.1 88.2 132.2#

89 0.4 39.5 59.3#



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

