

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030519\
 Data File : VW009002.D
 Acq On : 05 Mar 2019 17:43
 Operator : SY/VA
 Sample : K1688-05RE
 Misc : 6.39G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 06 06:52:05 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	318562	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	501108	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	460418	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	221654	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	178554	59.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.52%	
35) Dibromofluoromethane	7.88	113	150304	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	
50) Toluene-d8	10.32	98	609508	52.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.96%	
62) 4-Bromofluorobenzene	12.62	95	215517	47.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.78%	

Target Compounds

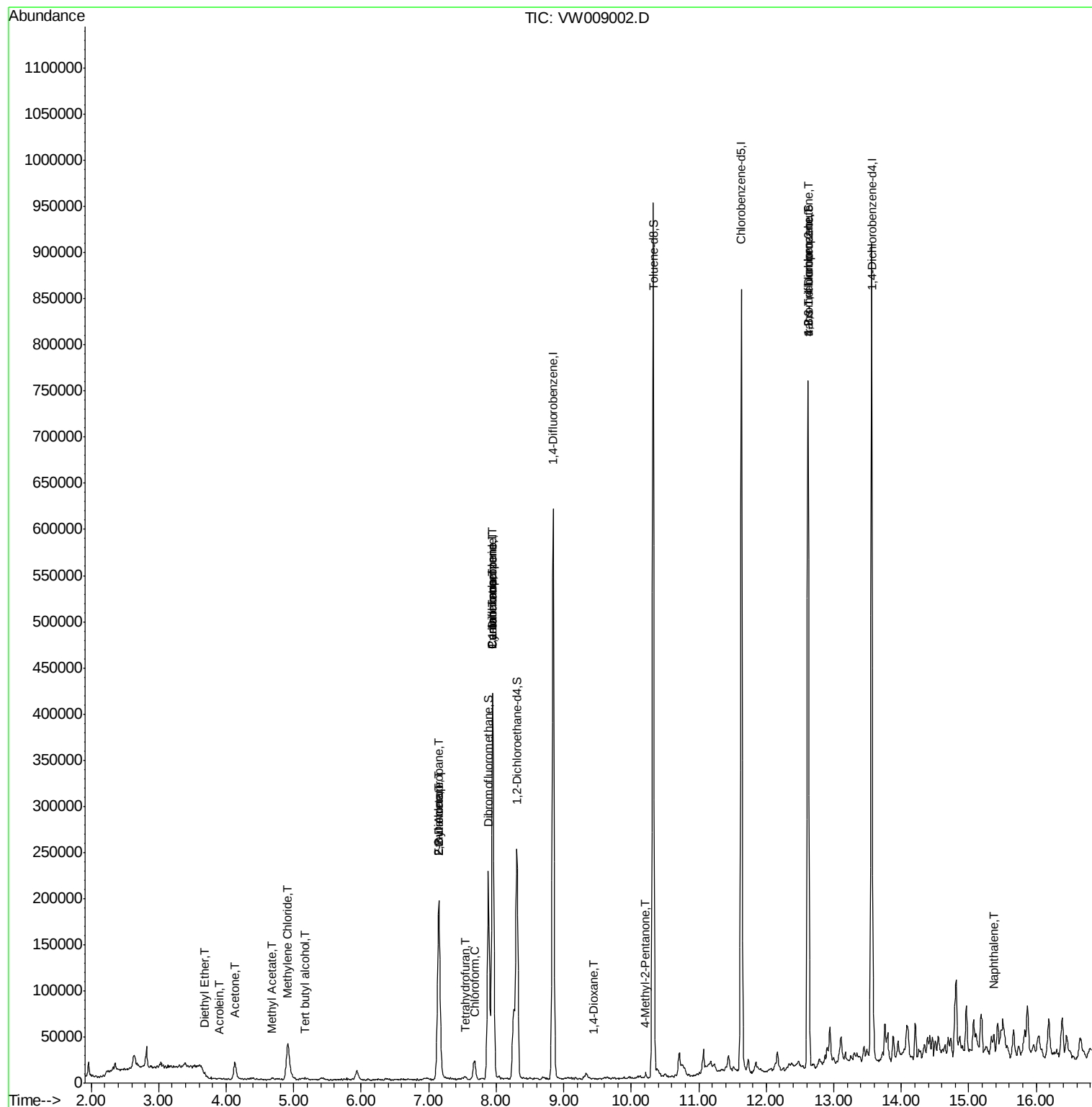
						Qvalue
8) Diethyl Ether	3.68	74	2534	1.539	ug/l	74
11) Tert butyl alcohol	5.17	59	1324	4.978	ug/l #	89
13) Acrolein	3.90	56	23	19.855	ug/l #	1
16) Acetone	4.12	43	32235	46.545	ug/l	100
18) Methyl Acetate	4.68	43	3160	1.924	ug/l #	51
20) Methylene Chloride	4.91	84	29516	3.946	ug/l	92
25) 2-Butanone	7.15	43	12125	12.523	ug/l #	72
26) 2,2-Dichloropropane	7.15	77	12793	2.532	ug/l #	54
29) Tetrahydrofuran	7.54	42	2094	3.394	ug/l #	89
30) Chloroform	7.68	83	16829	2.948	ug/l	95
31) Cyclohexane	7.94	56	9051	1.607	ug/l #	55
36) 1,1-Dichloropropene	7.95	75	24758	5.075	ug/l #	50
37) Ethyl Acetate	7.15	43	12125	5.345	ug/l #	1
38) Carbon Tetrachloride	7.95	117	30981	6.022	ug/l #	17
49) 1,4-Dioxane	9.45	88	53	1.808	ug/l #	1
51) 4-Methyl-2-Pentanone	10.21	43	3228	1.404	ug/l	91
76) 1,2,3-Trichloropropane	12.62	75	113732	62.147	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	113732	151.084	ug/l #	6
95) Naphthalene	15.37	128	15161	1.862	ug/l	99

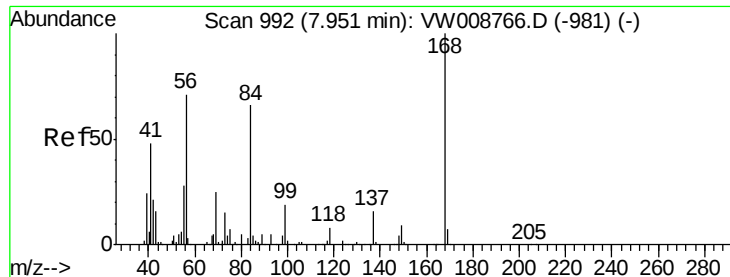
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW009002.D

Acq: 05 Mar 2019 17:43

Instrument :

MSVOA_W

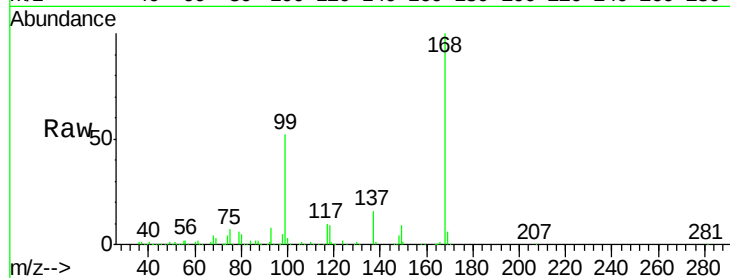
ClientSampleId :

Tot Ion:168 Resp: 318562

Ion Ratio Lower Upper

168 100

99 52.2 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

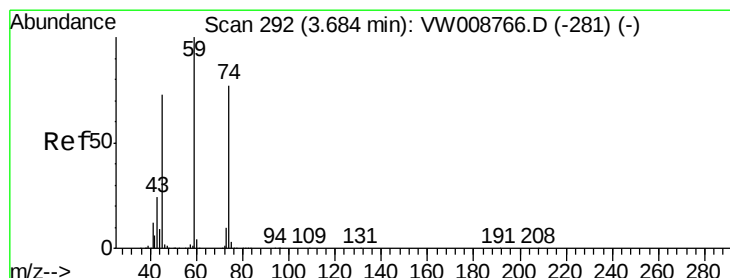
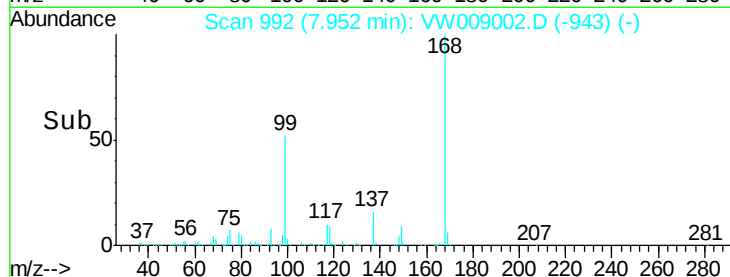
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.539 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.00 min

Lab File: VW009002.D

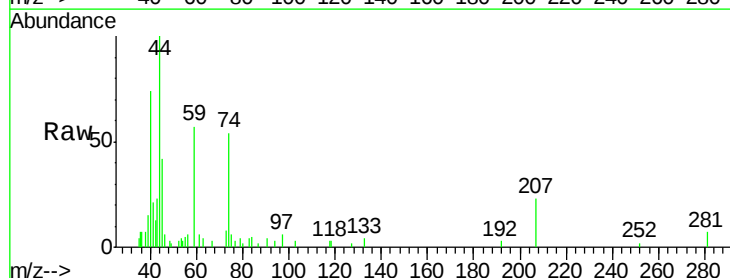
Acq: 05 Mar 2019 17:43

Tgt Ion: 74 Resp: 2534

Ion Ratio Lower Upper

74 100

45 74.2 50.2 150.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

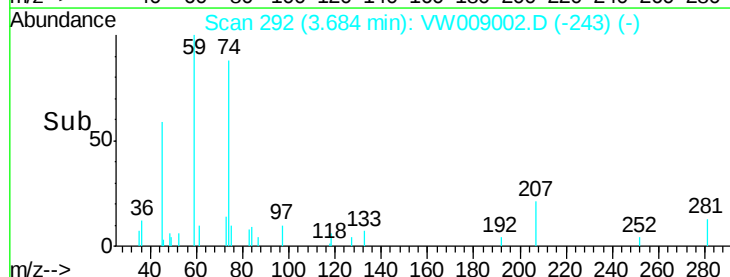
3.68

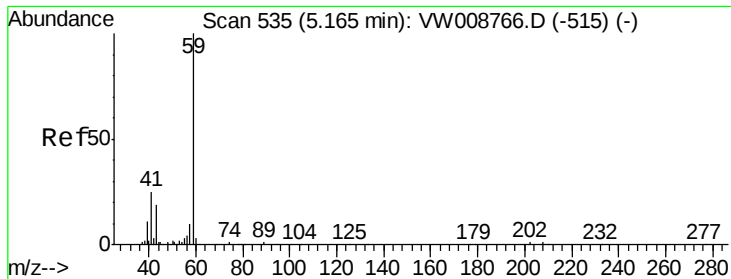
1000

500

0

Time-->

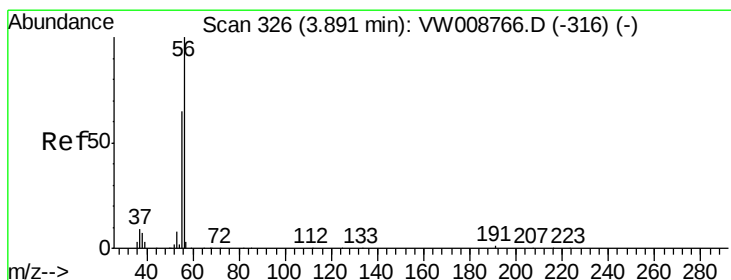
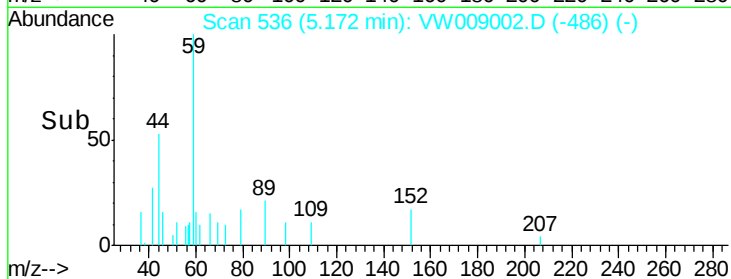
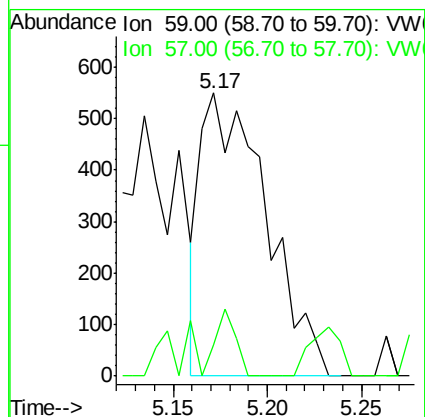
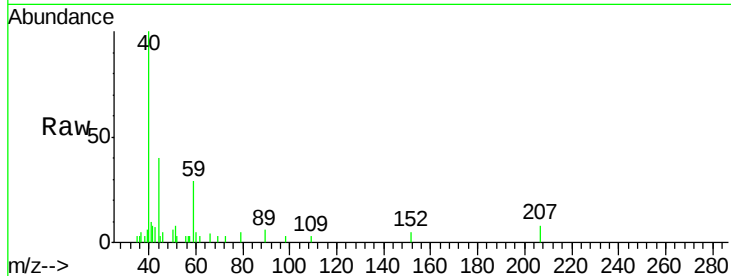




#11
Tert butyl alcohol
Concen: 4.978 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.01 min
Lab File: VW009002.D
Acq: 05 Mar 2019 17:43

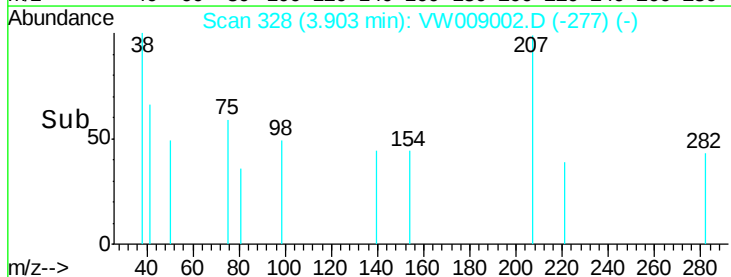
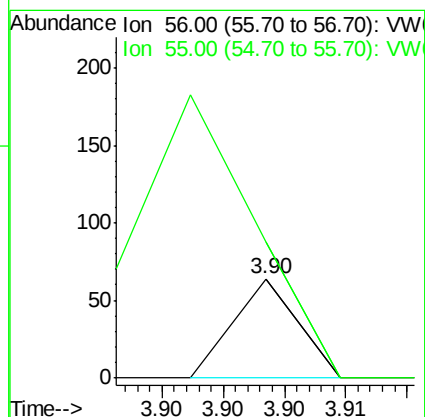
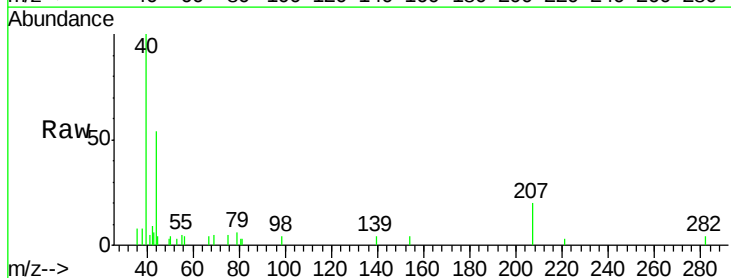
Instrument :
MSVOA_W
ClientSampled :

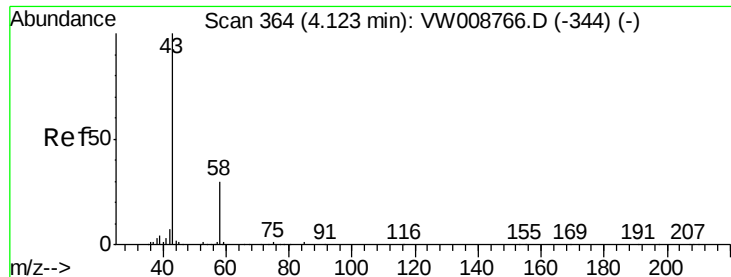
Tot Ion: 59 Resp: 1324
Ion Ratio Lower Upper
59 100
57 7.3 9.3 13.9#



#13
Acrolein
Concen: 19.855 ug/l
RT: 3.90 min Scan# 328
Delta R.T. 0.01 min
Lab File: VW009002.D
Acq: 05 Mar 2019 17:43

Tgt Ion: 56 Resp: 23
Ion Ratio Lower Upper
56 100
55 543.5 56.9 85.3#





#16

Acetone

Concen: 46.545 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW009002.D

Acq: 05 Mar 2019 17:43

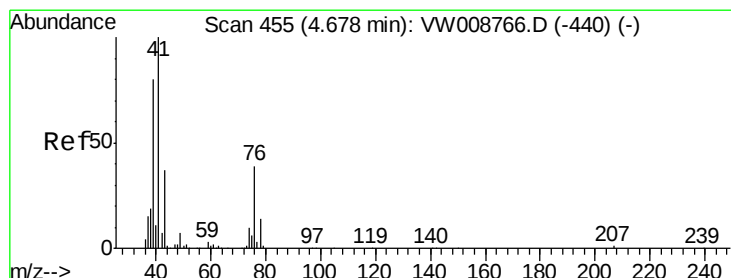
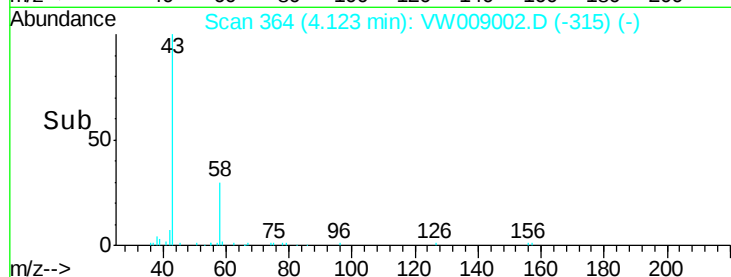
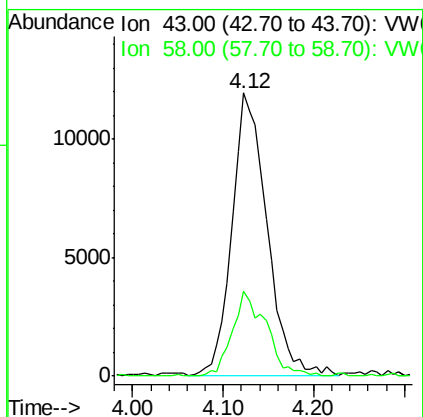
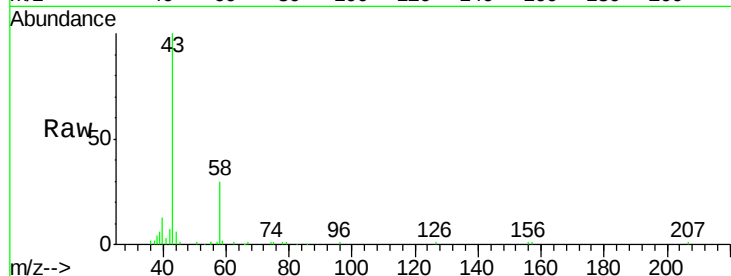
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 32235

Ion Ratio Lower Upper

43 100

58 29.9 23.8 35.6



#18

Methyl Acetate

Concen: 1.924 ug/l

RT: 4.68 min Scan# 456

Delta R.T. 0.01 min

Lab File: VW009002.D

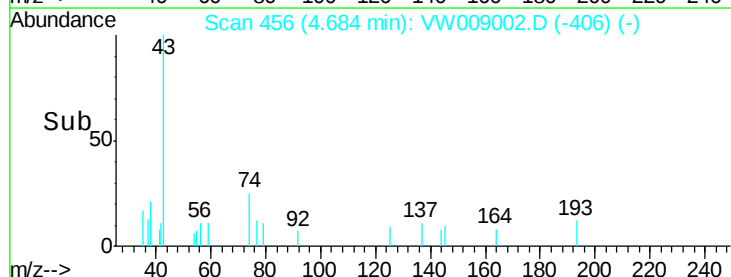
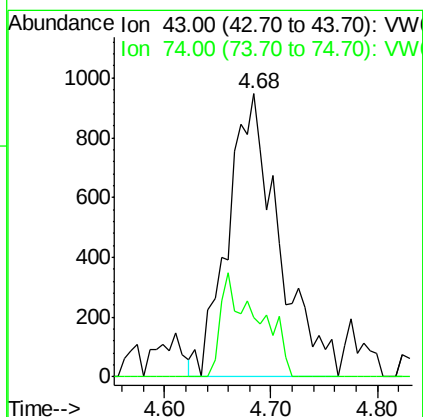
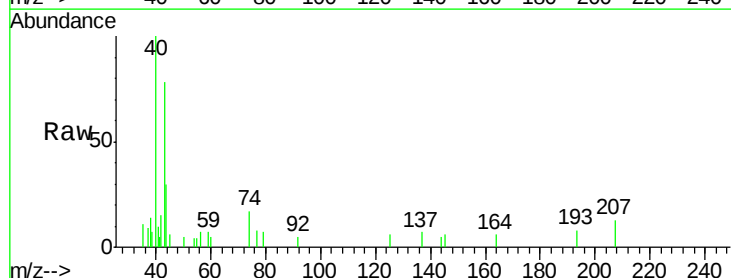
Acq: 05 Mar 2019 17:43

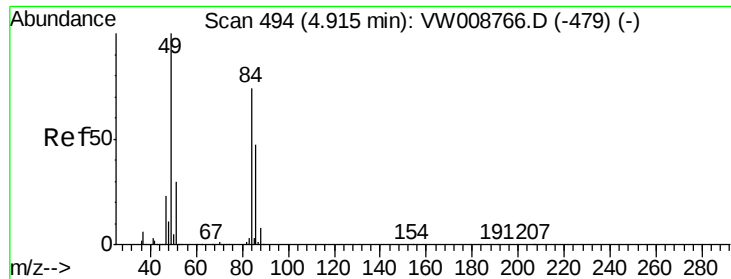
Tgt Ion: 43 Resp: 3160

Ion Ratio Lower Upper

43 100

74 0.0 19.4 29.2#

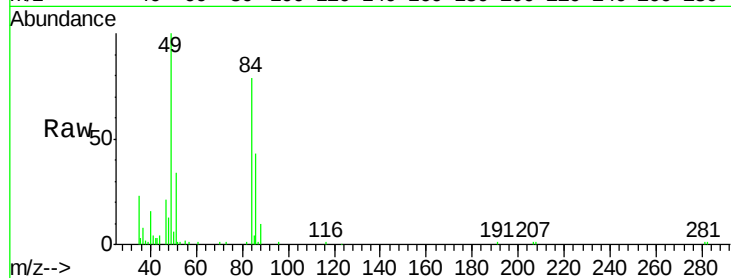




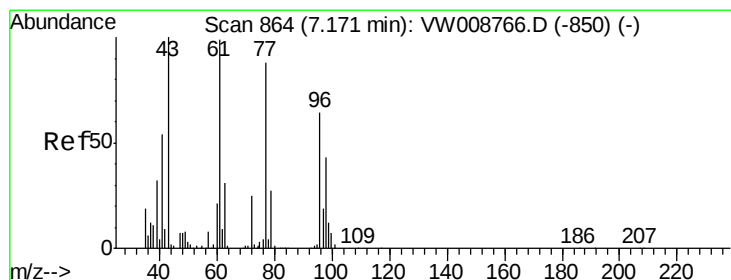
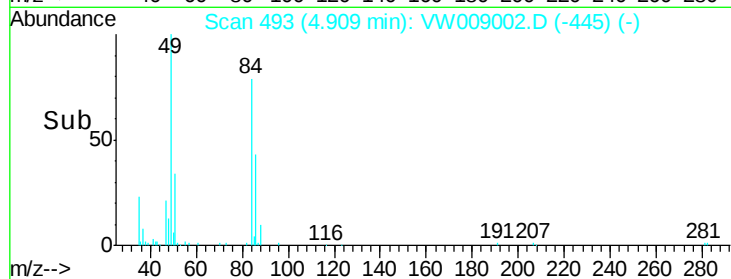
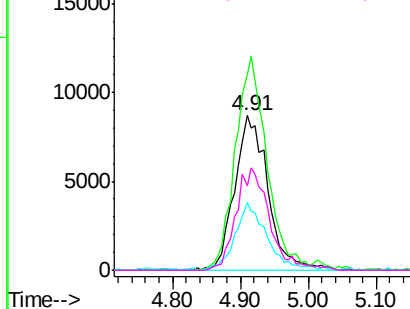
#20
Methvlene Chloride
Concen: 3.946 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW009002.D
Acq: 05 Mar 2019 17:43

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 84 Resp: 29516
Ion Ratio Lower Upper
84 100
49 126.9 108.2 162.2
51 43.8 32.7 49.1
86 54.4 50.3 75.5

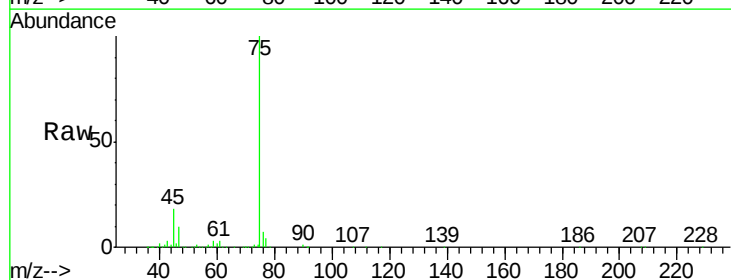


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

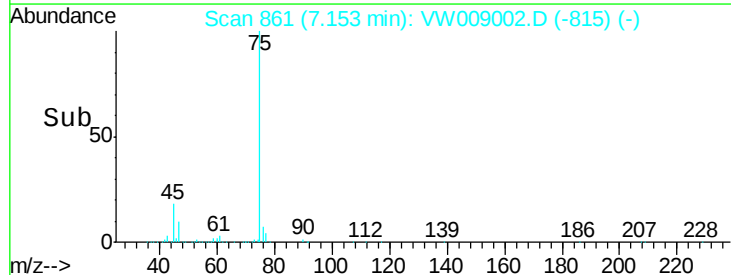
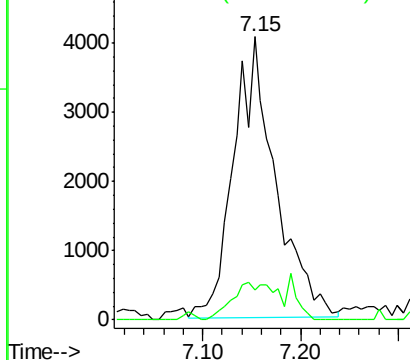


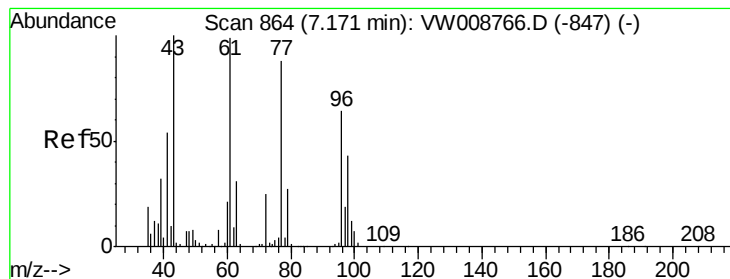
#25
2-Butanone
Concen: 12.523 ug/l
RT: 7.15 min Scan# 861
Delta R.T. -0.02 min
Lab File: VW009002.D
Acq: 05 Mar 2019 17:43

Tgt Ion: 43 Resp: 12125
Ion Ratio Lower Upper
43 100
72 10.7 19.7 29.5#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW





#26

2,2-Dichloropropane

Concen: 2.532 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW009002.D

Acq: 05 Mar 2019 17:43

Instrument :

MSVOA_W

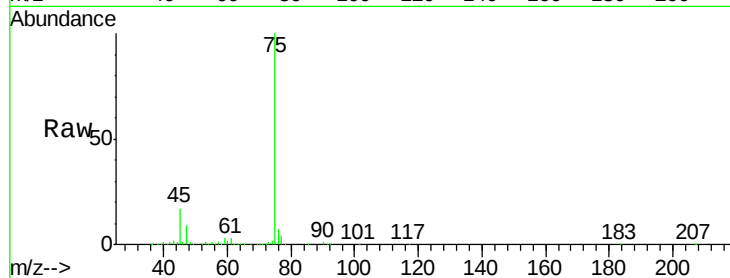
ClientSampled :

Tot Ion: 77 Resp: 12793

Ion Ratio Lower Upper

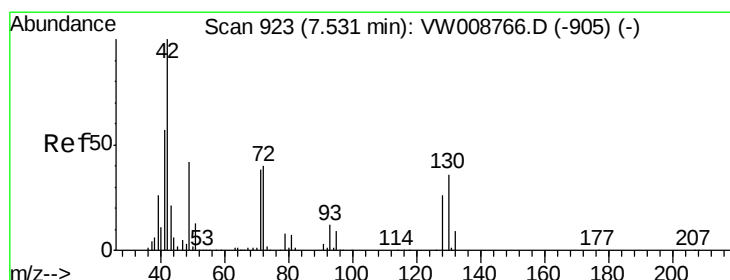
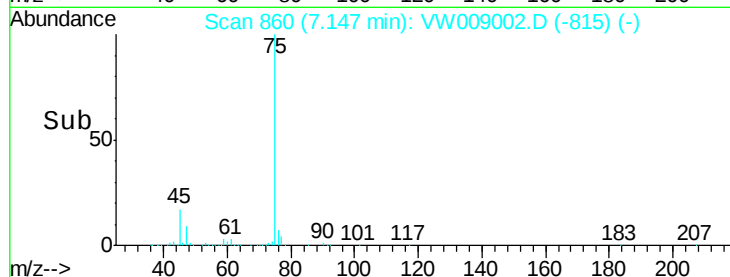
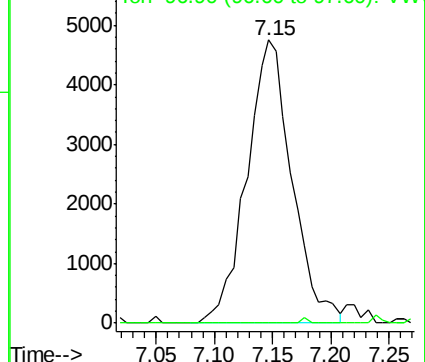
77 100

97 0.0 11.0 33.0#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



#29

Tetrahydrofuran

Concen: 3.394 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW009002.D

Acq: 05 Mar 2019 17:43

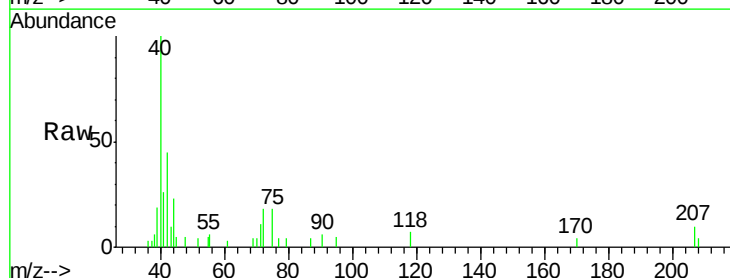
Tgt Ion: 42 Resp: 2094

Ion Ratio Lower Upper

42 100

72 43.6 32.7 49.1

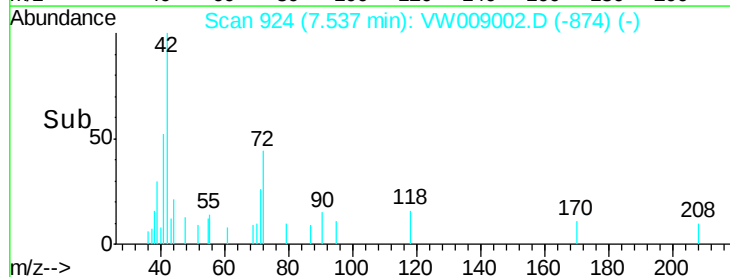
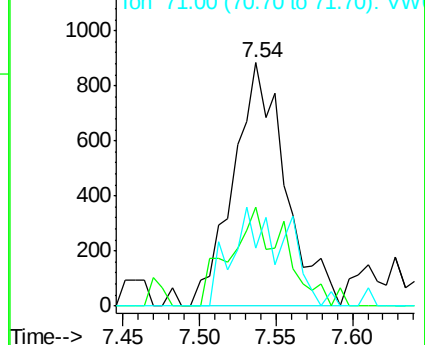
71 28.1 31.3 46.9#

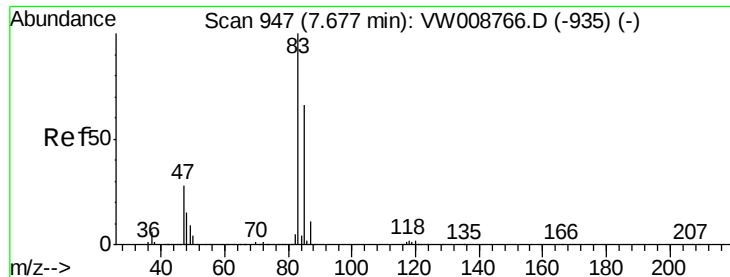


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW

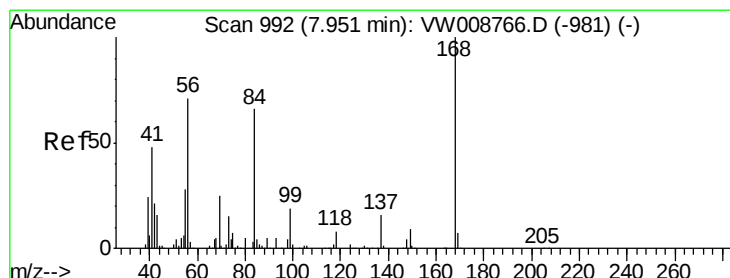
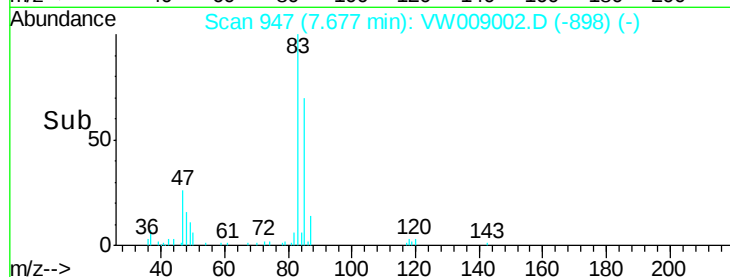
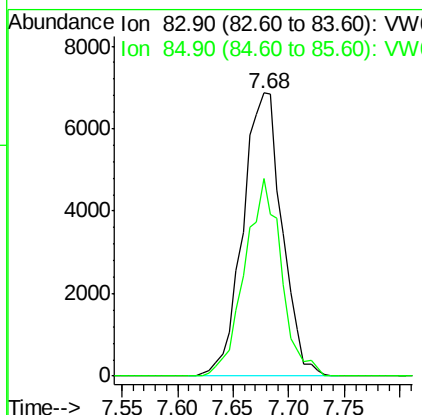
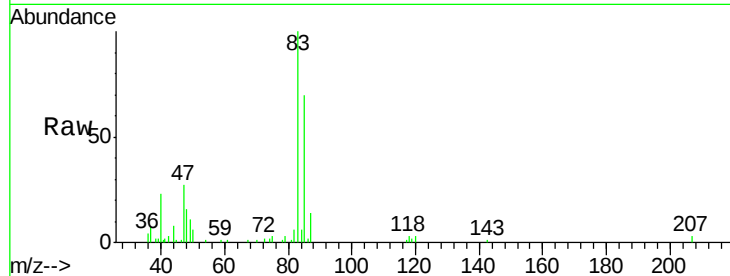




#30
Chloroform
Concen: 2.948 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW009002.D
Acq: 05 Mar 2019 17:43

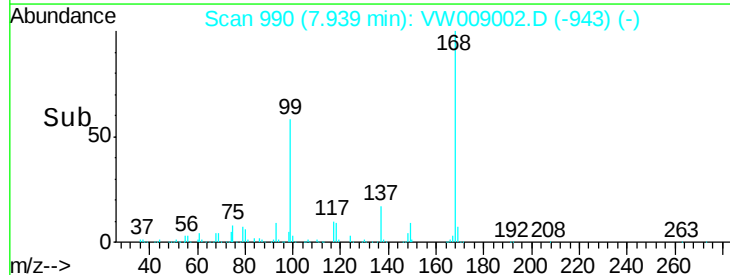
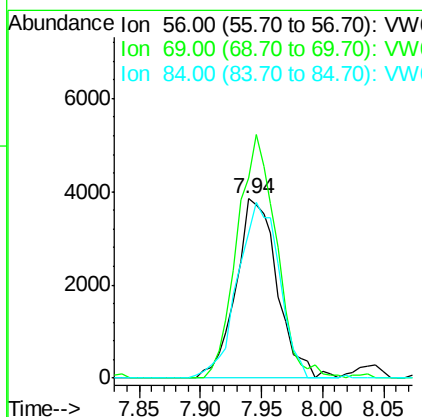
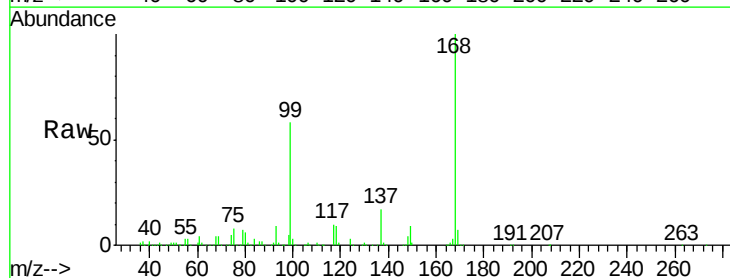
Instrument :
MSVOA_W
ClientSampleId :

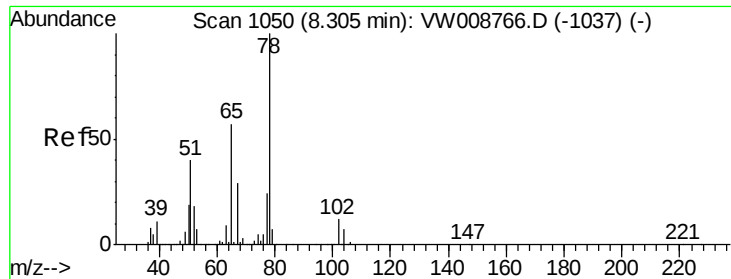
Tot Ion: 83 Resp: 16829
Ion Ratio Lower Upper
83 100
85 70.0 52.6 79.0



#31
Cyclohexane
Concen: 1.607 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW009002.D
Acq: 05 Mar 2019 17:43

Tgt Ion: 56 Resp: 9051
Ion Ratio Lower Upper
56 100
69 111.9 28.2 42.4#
84 80.6 74.1 111.1

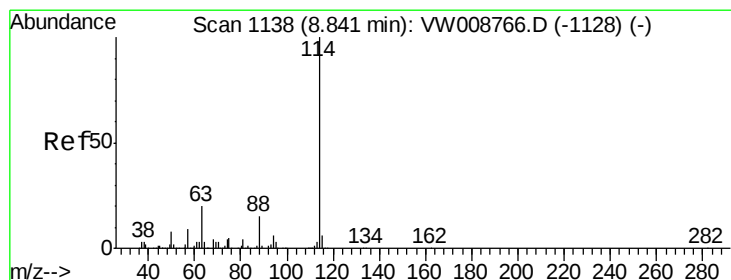
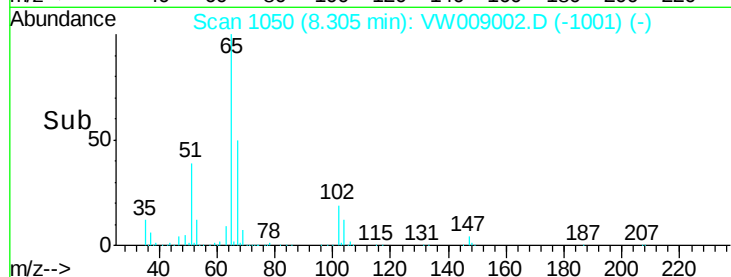
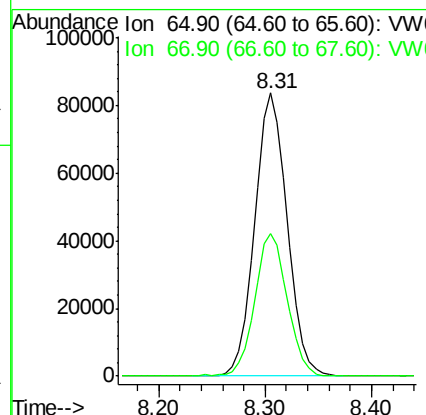
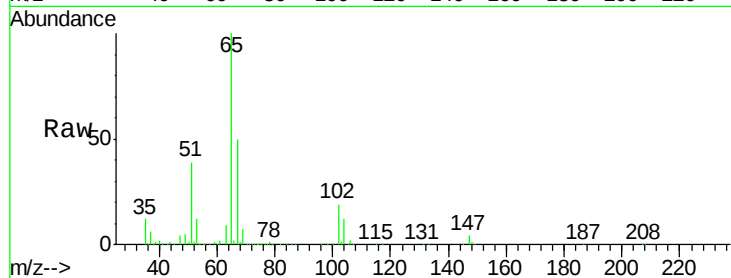




#33
 1,2-Dichloroethane-d4
 Concen: 59.760 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW009002.D
 Acq: 05 Mar 2019 17:43

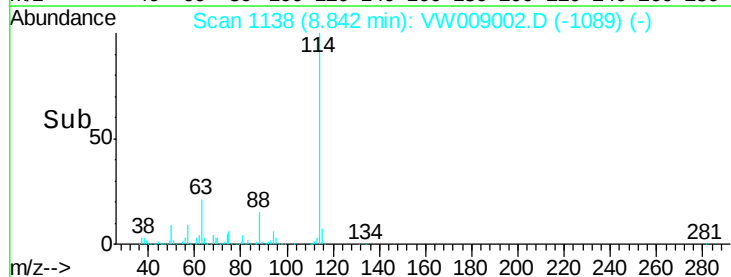
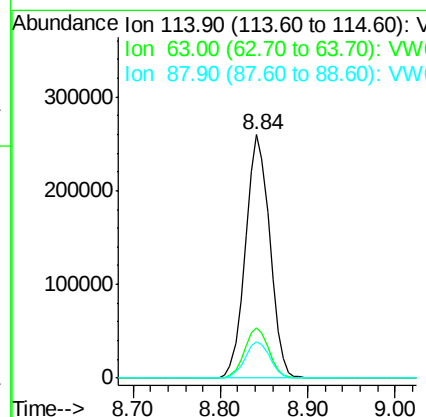
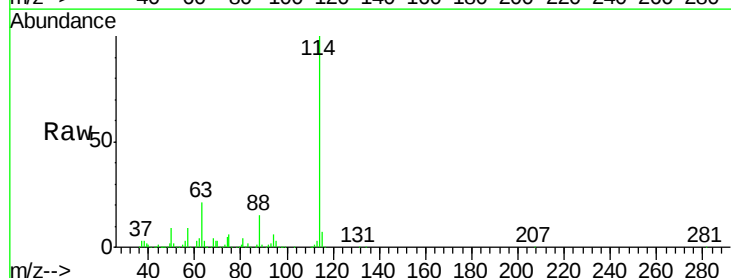
Instrument :
 MSVOA_W
 ClientSampleId :

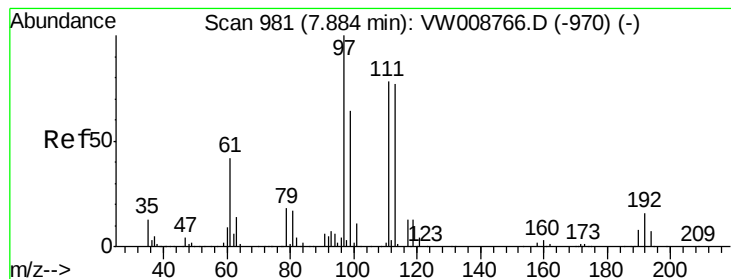
Tot Ion: 65 Resp: 178554
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW009002.D
 Acq: 05 Mar 2019 17:43

Tgt Ion: 114 Resp: 501108
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 40.8
 88 14.6 0.0 30.4





#35

Dibromofluoromethane

Concen: 49.956 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW009002.D

Acq: 05 Mar 2019 17:43

Instrument :

MSVOA_W

ClientSampleId :

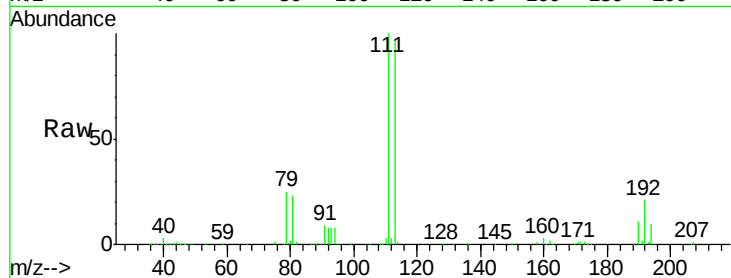
Tot Ion:113 Resp: 150304

Ion Ratio Lower Upper

113 100

111 102.3 81.9 122.9

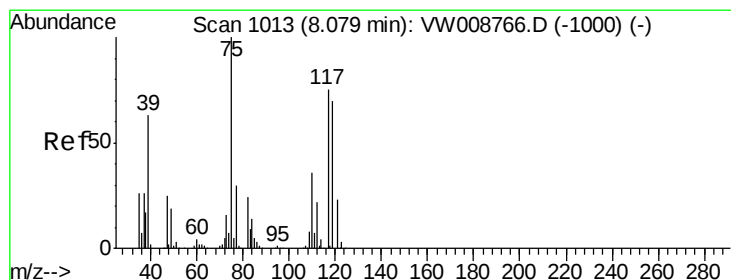
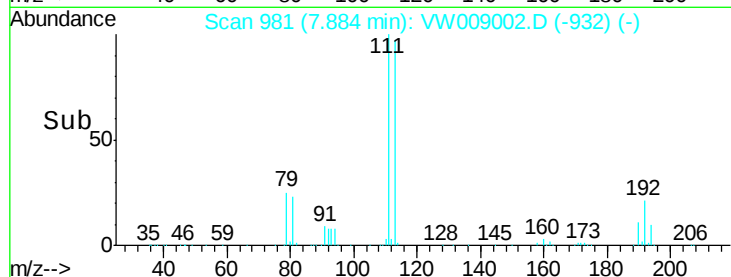
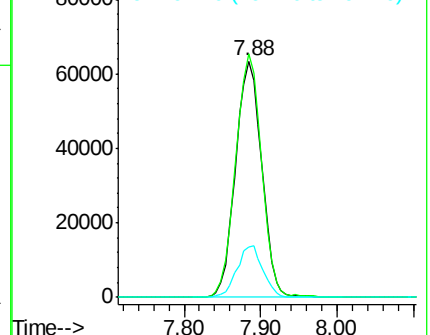
192 21.4 17.1 25.7



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: 5.075 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW009002.D

Acq: 05 Mar 2019 17:43

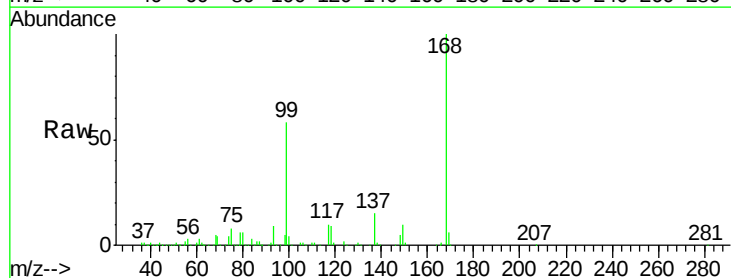
Tgt Ion: 75 Resp: 24758

Ion Ratio Lower Upper

75 100

110 9.0 17.5 52.6#

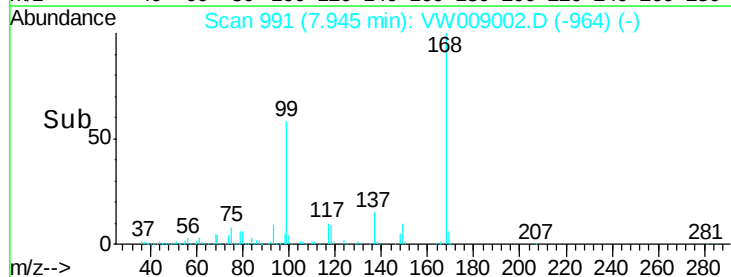
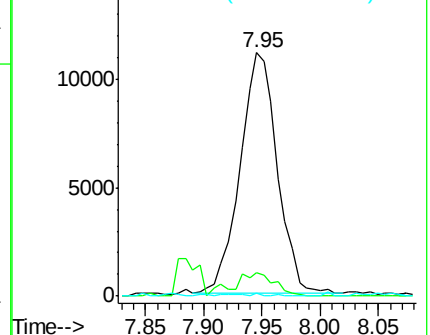
77 0.0 24.5 36.7#

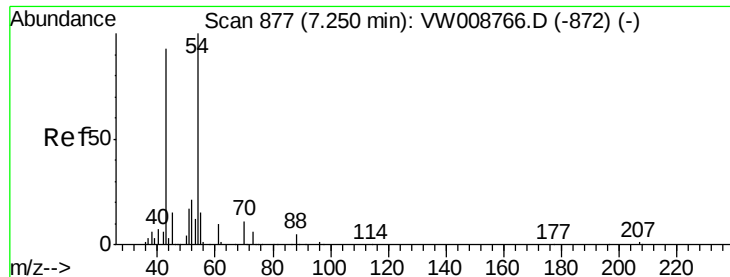


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 5.345 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.10 min

Lab File: VW009002.D

Acq: 05 Mar 2019 17:43

Instrument :

MSVOA_W

ClientSampled :

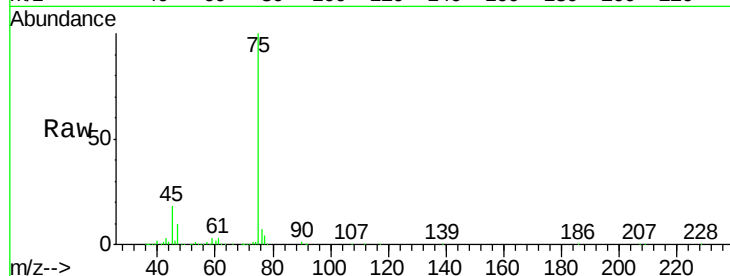
Tot Ion: 43 Resp: 12125

Ion Ratio Lower Upper

43 100

61 79.6 9.8 14.8#

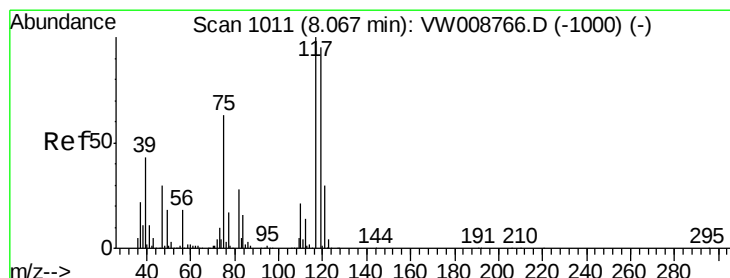
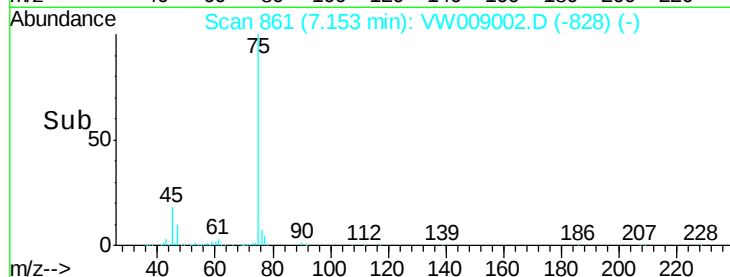
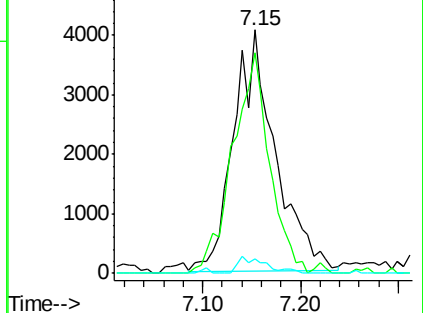
70 4.1 8.4 12.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 6.022 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW009002.D

Acq: 05 Mar 2019 17:43

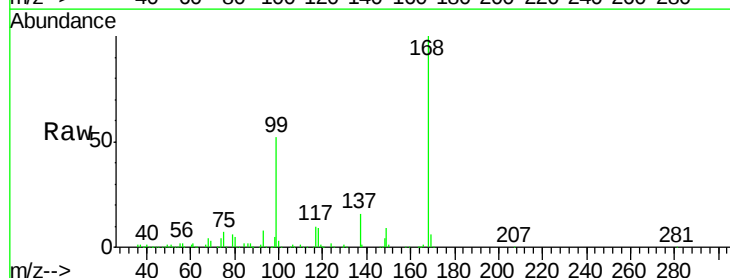
Tgt Ion: 117 Resp: 30981

Ion Ratio Lower Upper

117 100

119 5.4 76.1 114.1#

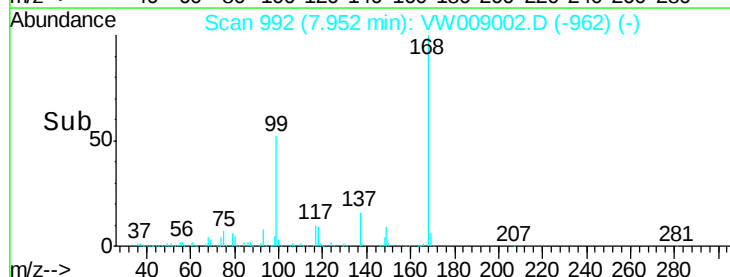
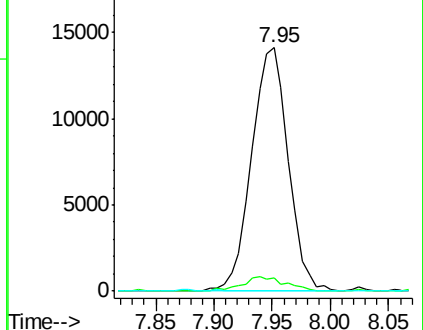
121 0.0 24.0 36.0#

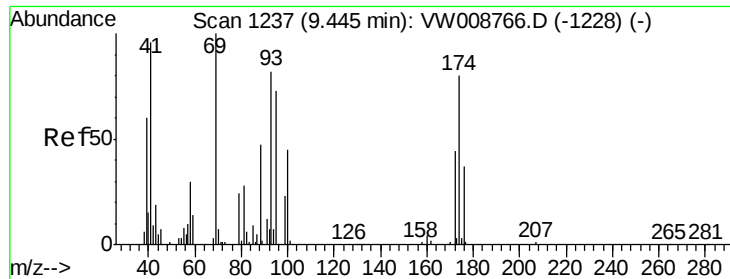


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

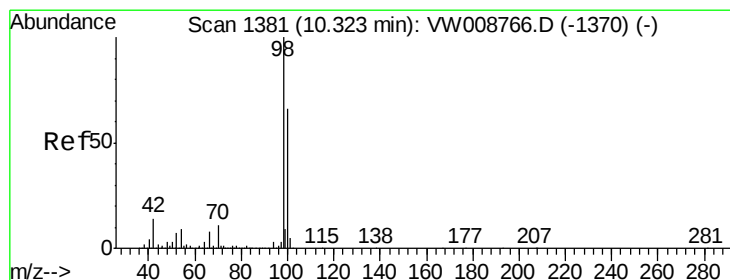
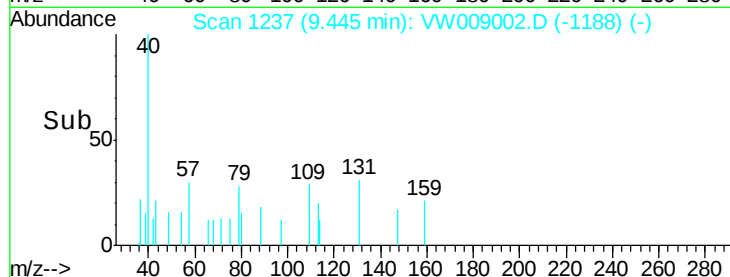
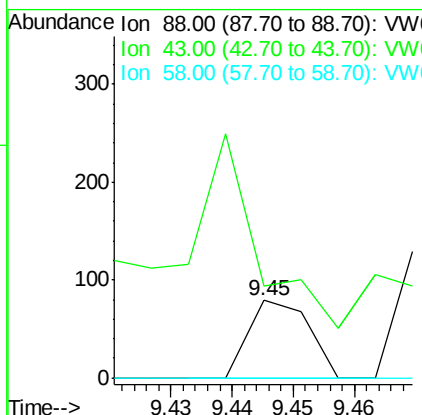
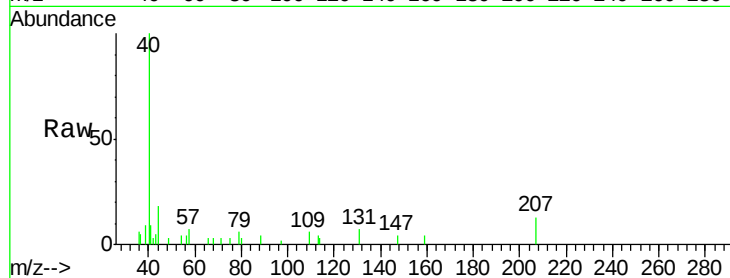




#49
1,4-Dioxane
Concen: 1.808 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW009002.D
Acq: 05 Mar 2019 17:43

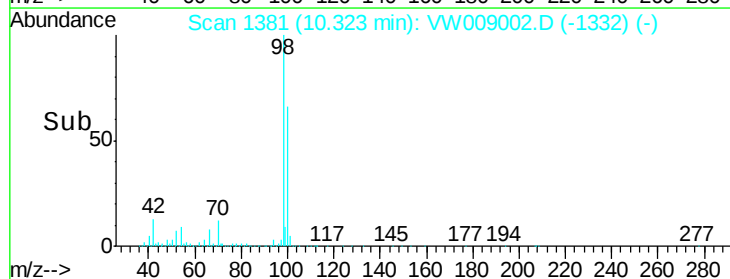
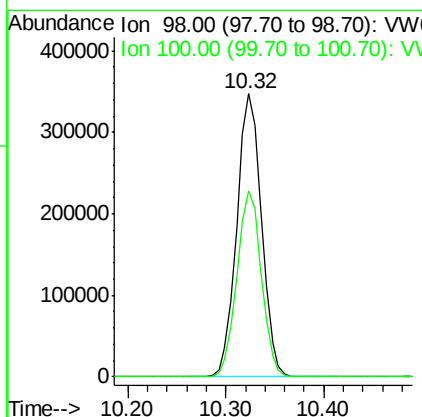
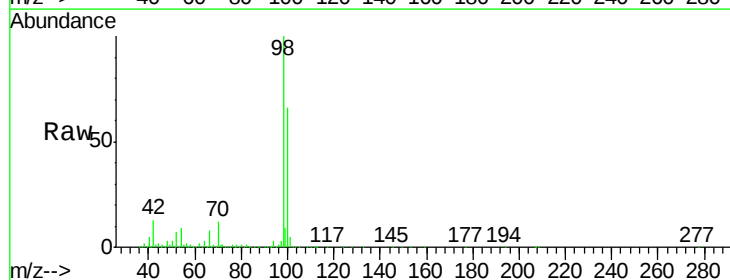
Instrument :
MSVOA_W
ClientSampled :

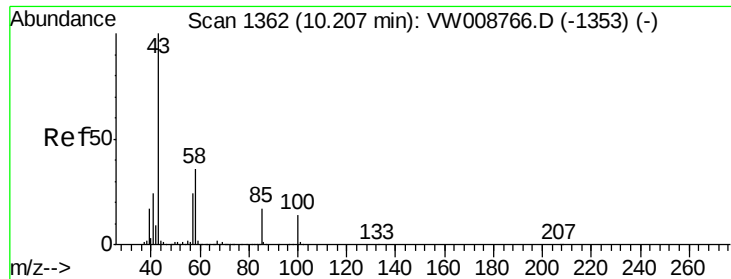
Tot Ion: 88 Resp: 53
Ion Ratio Lower Upper
88 100
43 245.3 29.0 43.4#
58 0.0 52.0 78.0#



#50
Toluene-d8
Concen: 52.478 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW009002.D
Acq: 05 Mar 2019 17:43

Tgt Ion: 98 Resp: 609508
Ion Ratio Lower Upper
98 100
100 65.0 52.4 78.6





#51

4-Methyl-2-Pentanone

Concen: 1.404 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW009002.D

Acq: 05 Mar 2019 17:43

Instrument :

MSVOA_W

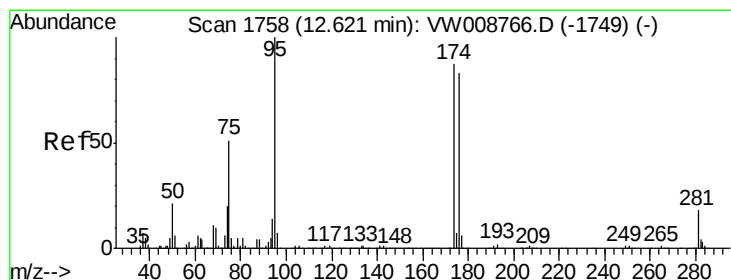
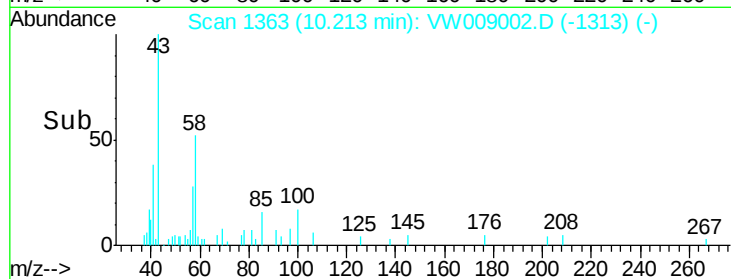
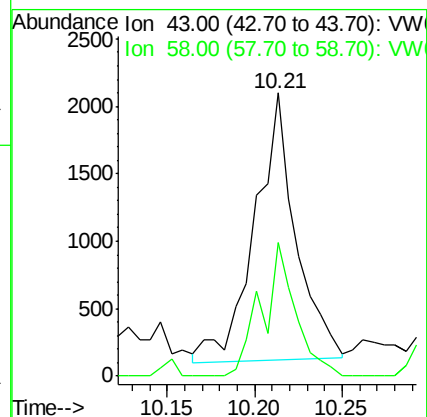
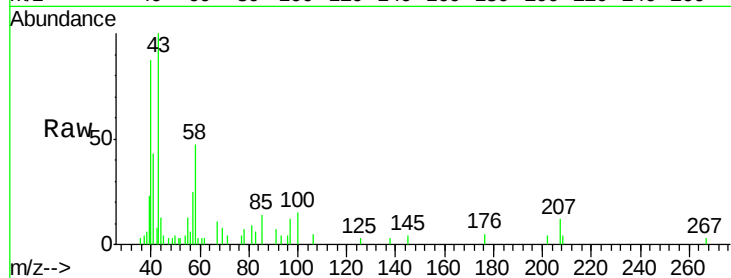
ClientSampled :

Tot Ion: 43 Resp: 3228

Ion Ratio Lower Upper

43 100

58 41.8 29.1 43.7



#62

4-Bromofluorobenzene

Concen: 47.392 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW009002.D

Acq: 05 Mar 2019 17:43

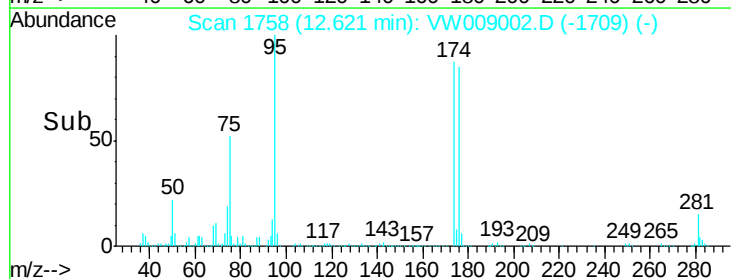
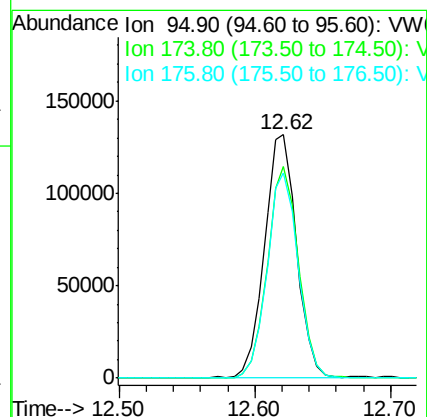
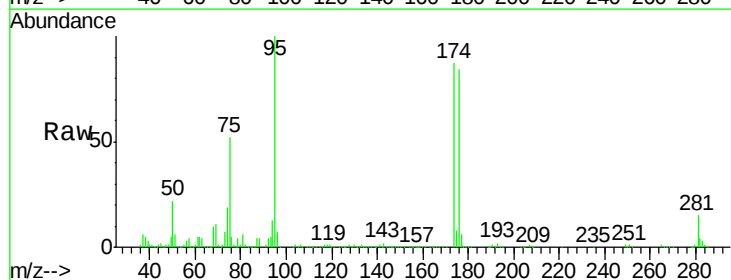
Tgt Ion: 95 Resp: 215517

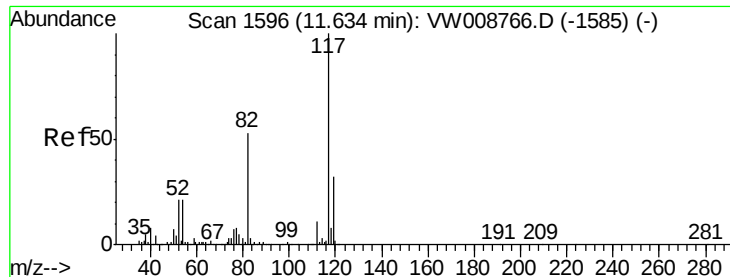
Ion Ratio Lower Upper

95 100

174 84.7 0.0 169.2

176 82.7 0.0 163.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW009002.D

Acq: 05 Mar 2019 17:43

Instrument :

MSVOA_W

ClientSampled :

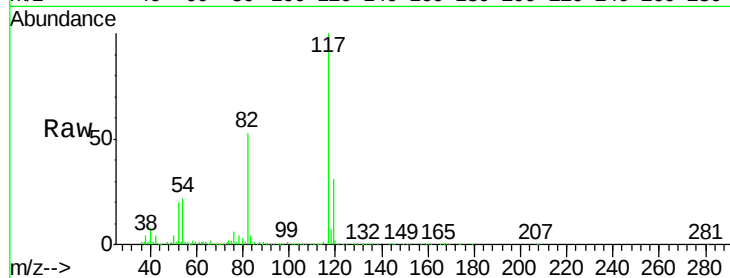
Tot Ion:117 Resp: 460418

Ion Ratio Lower Upper

117 100

82 53.4 42.2 63.4

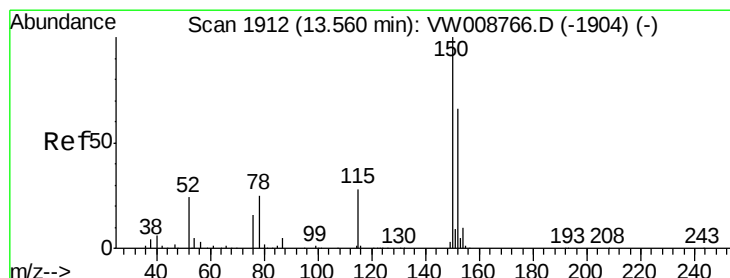
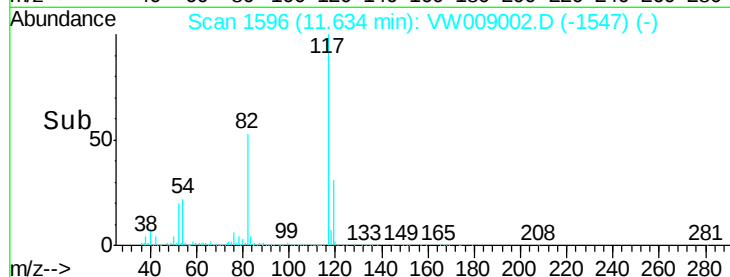
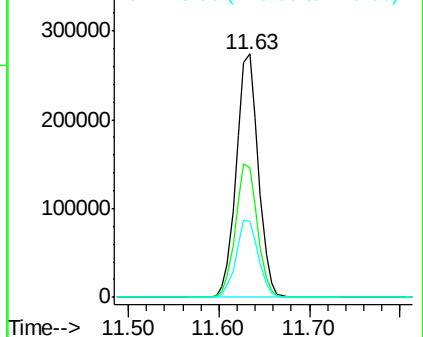
119 31.2 25.9 38.9



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: VW009002.D

Acq: 05 Mar 2019 17:43

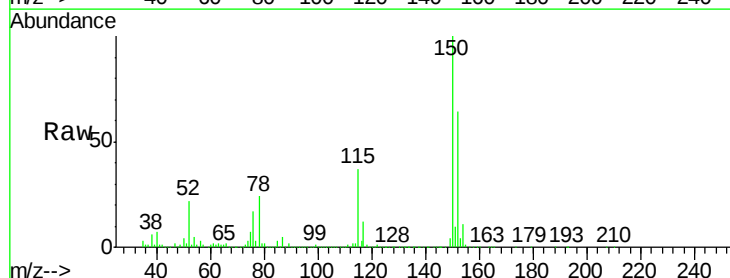
Tgt Ion:152 Resp: 221654

Ion Ratio Lower Upper

152 100

115 57.4 28.6 85.8

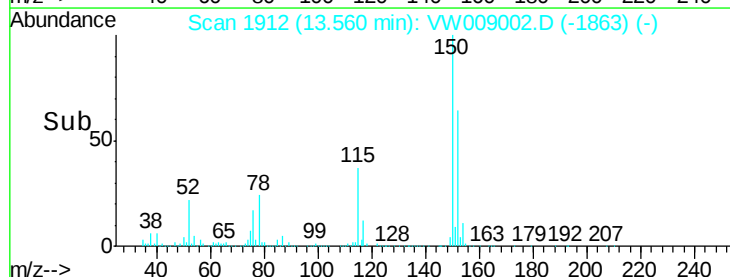
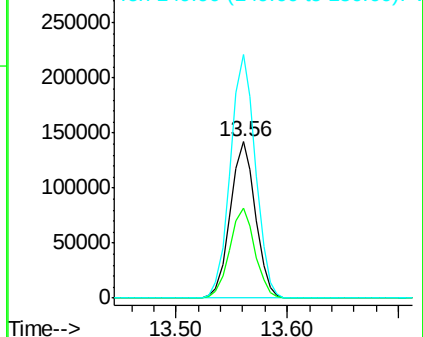
150 155.8 0.0 348.0

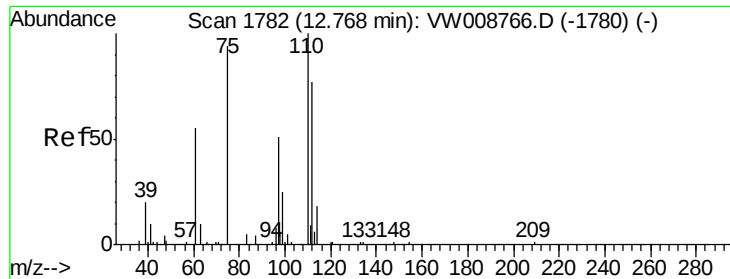


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 62.147 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW009002.D

Acq: 05 Mar 2019 17:43

Instrument :

MSVOA_W

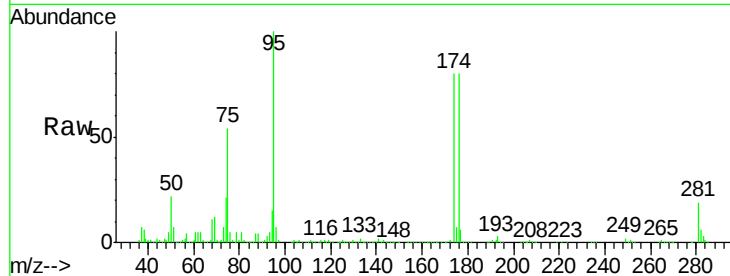
ClientSampleId :

Tot Ion: 75 Resp: 113732

Ion Ratio Lower Upper

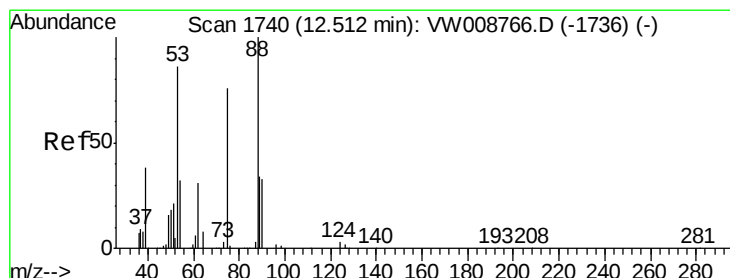
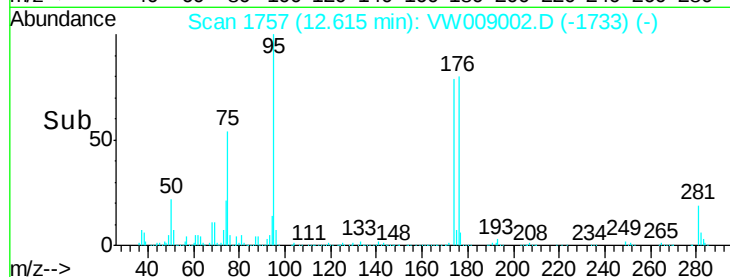
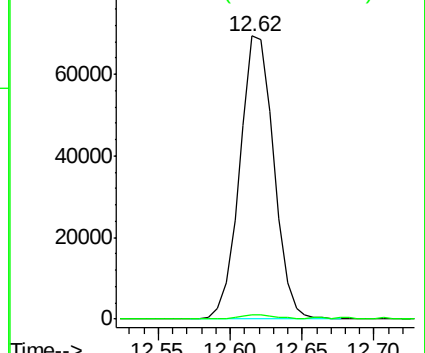
75 100

77 1.6 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: 151.084 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW009002.D

Acq: 05 Mar 2019 17:43

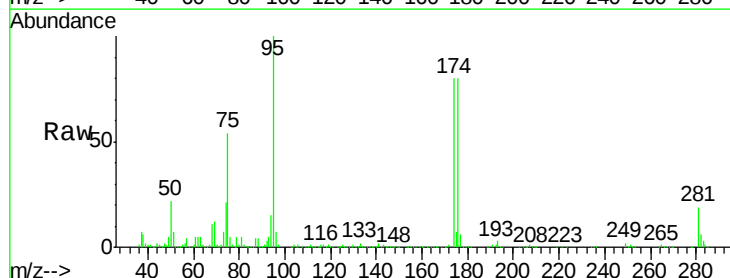
Tgt Ion: 75 Resp: 113732

Ion Ratio Lower Upper

75 100

53 0.1 88.2 132.2#

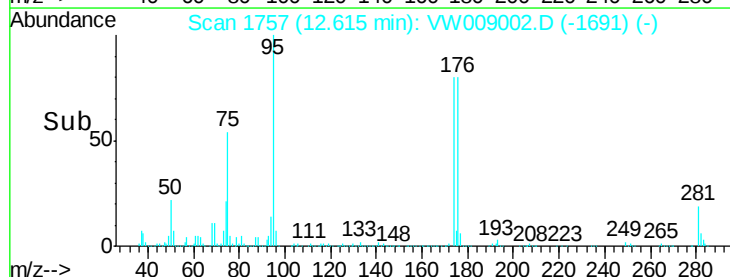
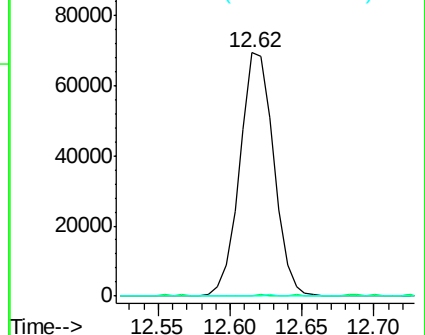
89 0.1 39.5 59.3#

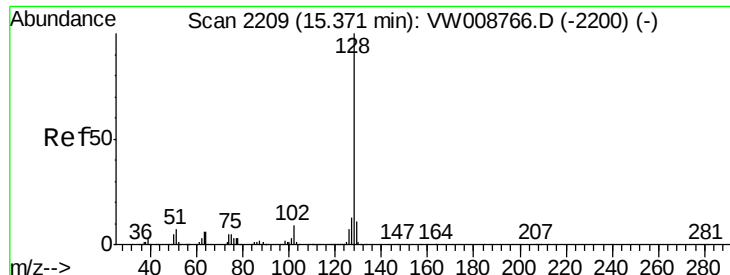


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

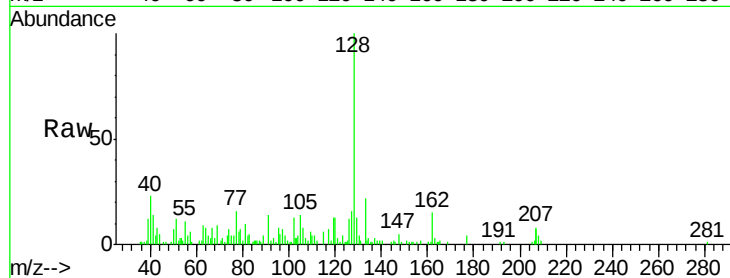




#95
Naphthalene
Concen: 1.862 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW009002.D
Acq: 05 Mar 2019 17:43

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.8	16.2
129	10.2	8.7	13.1



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

