

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030519\
 Data File : VW009010.D
 Acq On : 05 Mar 2019 21:17
 Operator : SY/VA
 Sample : K1712-05RE
 Misc : 4.63G/5ML/MSVOA W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 06 06:54:29 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	327870	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	508442	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	442155	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	174907	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	181096	58.89	ug/l	0.00
Spiked Amount			Recovery	=	117.78%	
35) Dibromofluoromethane	7.88	113	157281	51.52	ug/l	0.00
Spiked Amount			Recovery	=	103.04%	
50) Toluene-d8	10.32	98	607204	51.53	ug/l	0.00
Spiked Amount			Recovery	=	103.06%	
62) 4-Bromofluorobenzene	12.62	95	191693	41.54	ug/l	0.00
Spiked Amount			Recovery	=	83.08%	

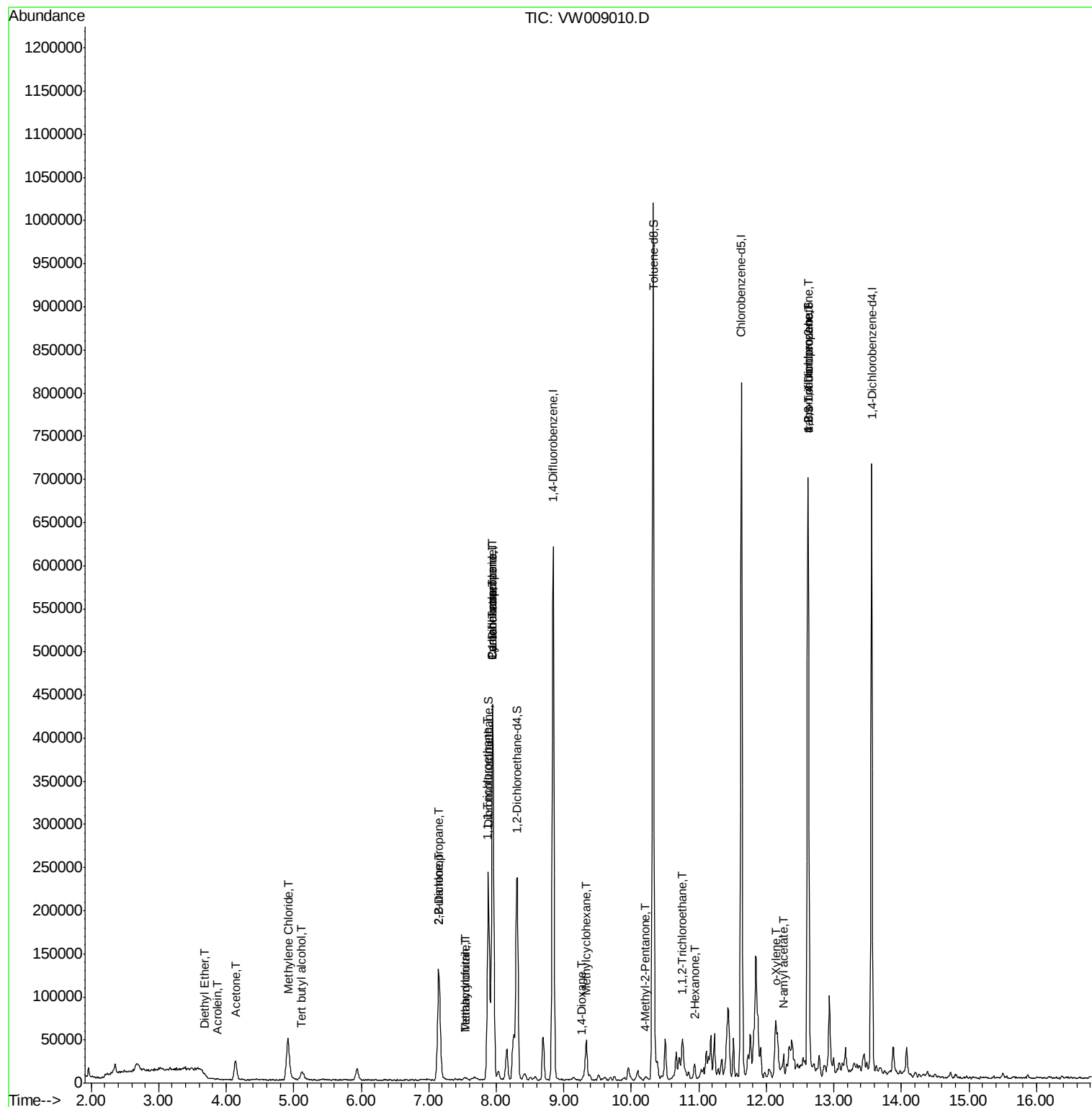
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.69	74	2368	1.397	ug/l	88
11) Tert butyl alcohol	5.12	59	8950	32.692	ug/l #	76
13) Acrolein	3.87	56	72	20.009	ug/l #	14
16) Acetone	4.14	43	40392	56.668	ug/l	100
20) Methylene Chloride	4.92	84	35430	5.548	ug/l	98
25) 2-Butanone	7.15	43	9797	9.831	ug/l #	90
26) 2,2-Dichloropropane	7.15	77	8660	1.665	ug/l #	54
29) Tetrahydrofuran	7.54	42	2509	3.951	ug/l	100
31) Cyclohexane	7.94	56	11341	1.956	ug/l #	63
32) 1,1,1-Trichloroethane	7.87	97	7301	1.366	ug/l #	51
36) 1,1-Dichloropropene	7.95	75	26005	5.254	ug/l #	51
38) Carbon Tetrachloride	7.95	117	31983	6.127	ug/l #	15
39) Methylcyclohexane	9.34	83	14577	2.361	ug/l	94
41) Methacrylonitrile	7.54	41	1848	1.366	ug/l #	42
49) 1,4-Dioxane	9.26	88	52	1.748	ug/l #	25
51) 4-Methyl-2-Pentanone	10.21	43	2488	1.067	ug/l	99
55) 1,1,2-Trichloroethane	10.76	97	12868	5.108	ug/l #	20
59) 2-Hexanone	10.93	43	6787	4.088	ug/l #	32
69) o-Xylene	12.16	106	6378	1.023	ug/l	91
74) N-amyl acetate	12.26	43	5012	1.659	ug/l #	78
76) 1,2,3-Trichloropropane	12.61	75	103648	71.774	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.61	75	103648	174.488	ug/l #	6

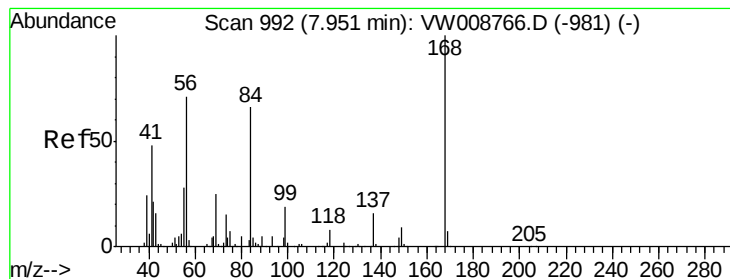
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW030519\
Data File : VW009010.D
Acq On : 05 Mar 2019 21:17
Operator : SY/VA
Sample : K1712-05RE
Misc : 4.63G/5ML/MSVOA W/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
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ClientSampleId :

Quant Time: Mar 06 06:54:29 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
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# 991

Delta R.T. -0.01 min

Lab File: VW009010.D

Acq: 05 Mar 2019 21:17

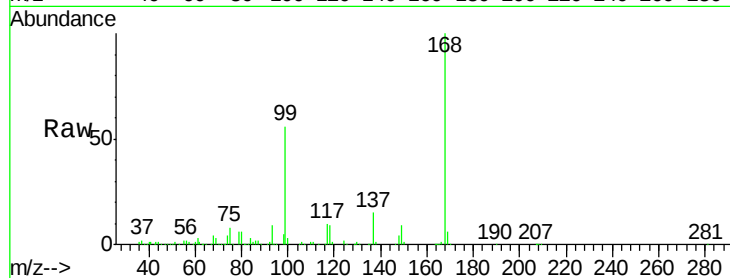
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 327870

Ion Ratio Lower Upper

168 100

99 56.2 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

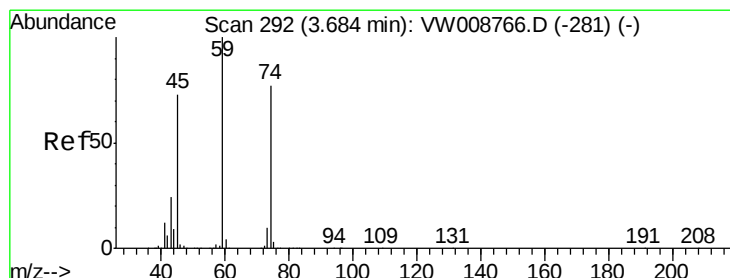
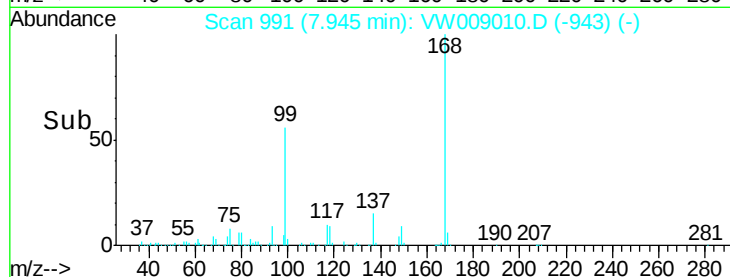
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.397 ug/l

RT: 3.69 min Scan# 293

Delta R.T. 0.01 min

Lab File: VW009010.D

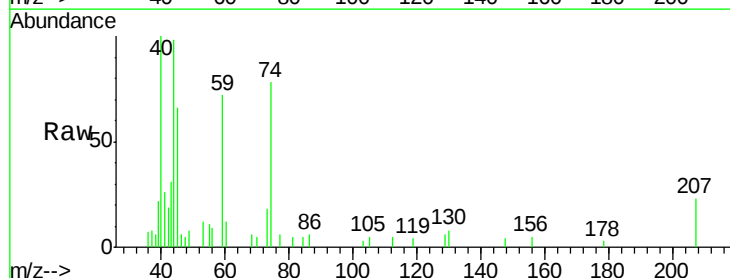
Acq: 05 Mar 2019 21:17

Tgt Ion: 74 Resp: 2368

Ion Ratio Lower Upper

74 100

45 112.1 50.2 150.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

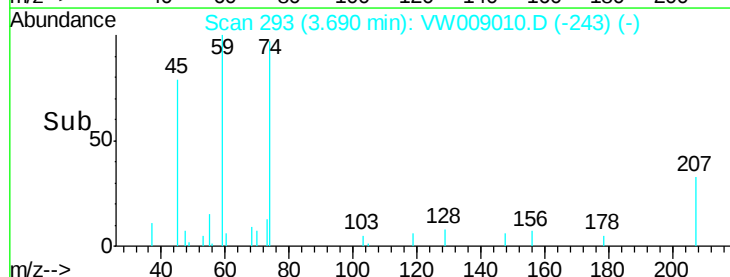
3.69

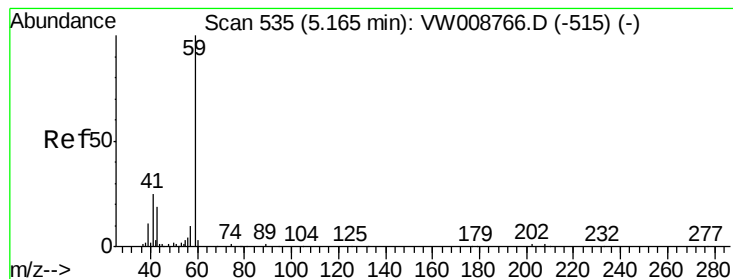
1000

500

0

Time-->



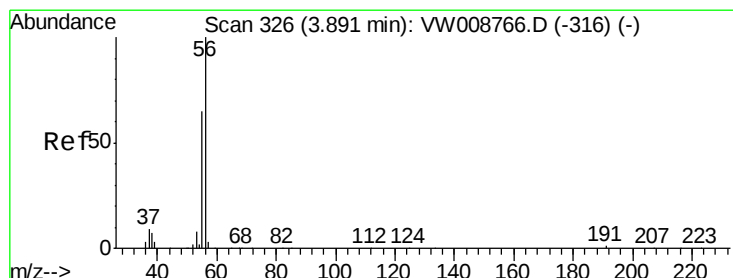
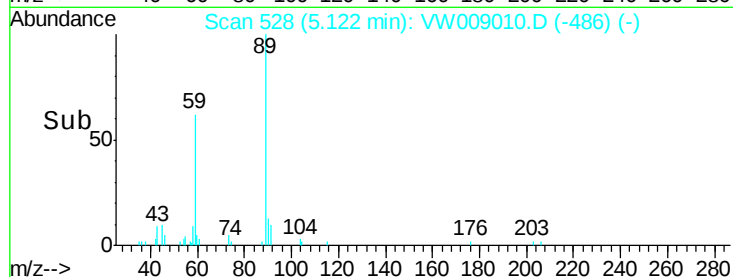
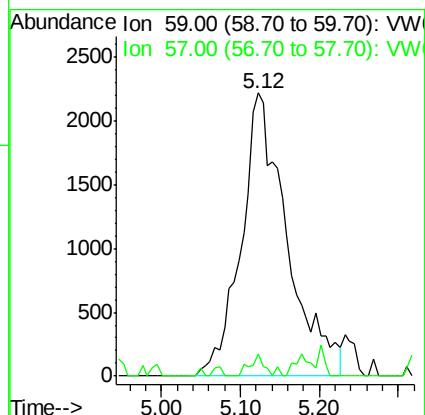
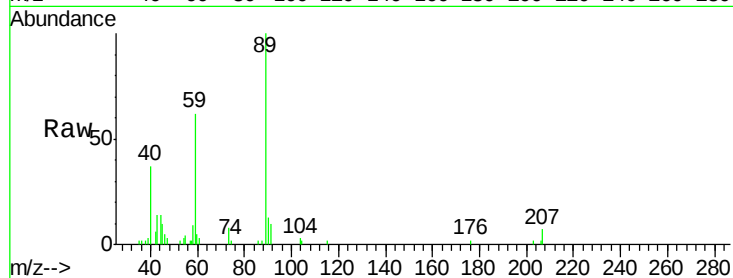


#11

Tert butyl alcohol
 Concen: 32.692 ug/l
 RT: 5.12 min Scan# 528
 Delta R.T. -0.04 min
 Lab File: VW009010.D
 Acq: 05 Mar 2019 21:17

Instrument :
 MSVOA_W
 ClientSampleId :

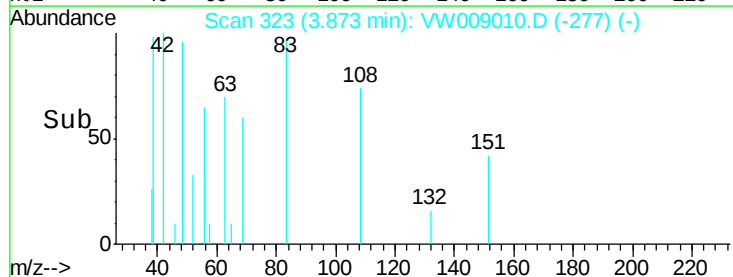
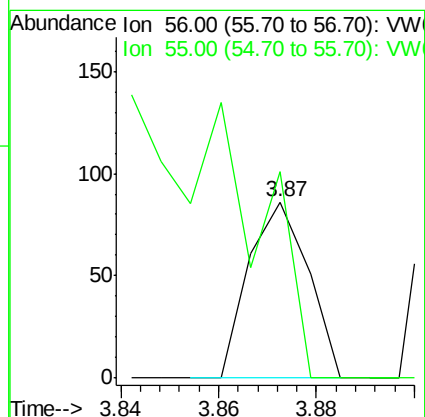
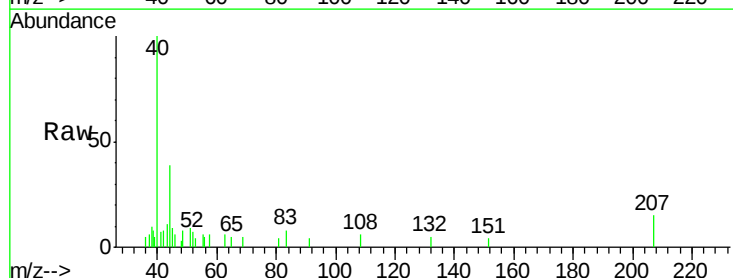
Tot Ion: 59 Resp: 8950
 Ion Ratio Lower Upper
 59 100
 57 2.3 9.3 13.9#

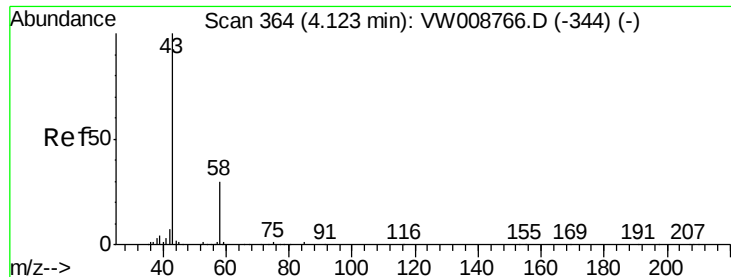


#13

Acrolein
 Concen: 20.009 ug/l
 RT: 3.87 min Scan# 323
 Delta R.T. -0.02 min
 Lab File: VW009010.D
 Acq: 05 Mar 2019 21:17

Tgt Ion: 56 Resp: 72
 Ion Ratio Lower Upper
 56 100
 55 0.0 56.9 85.3#





#16

Acetone

Concen: 56.668 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW009010.D

Acq: 05 Mar 2019 21:17

Instrument :

MSVOA_W

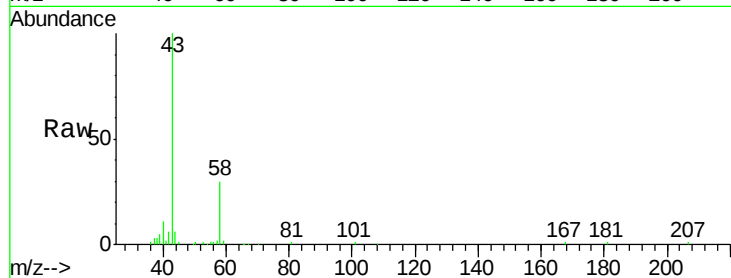
ClientSampleId :

Tot Ion: 43 Resp: 40392

Ion Ratio Lower Upper

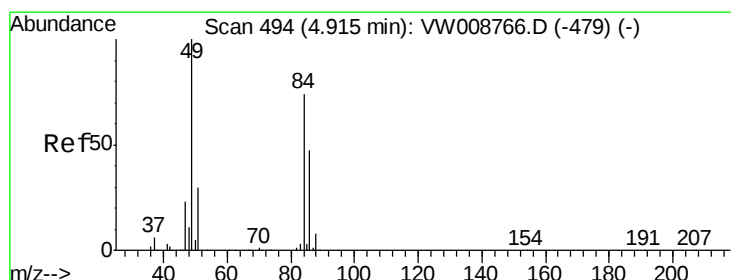
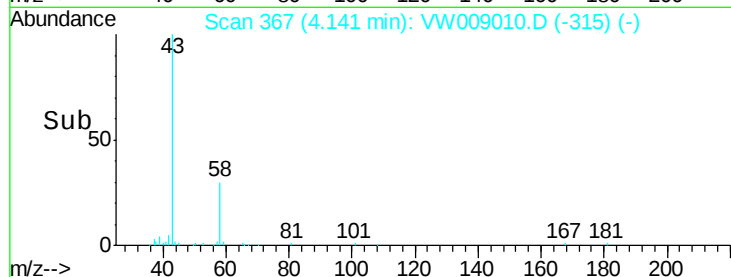
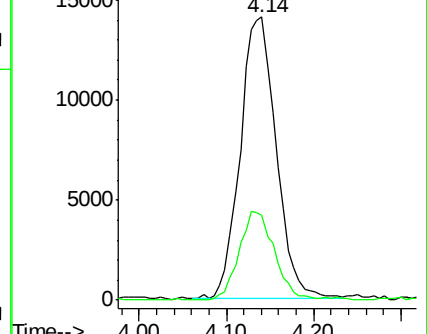
43 100

58 29.9 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 5.548 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW009010.D

Acq: 05 Mar 2019 21:17

Tgt Ion: 84 Resp: 35430

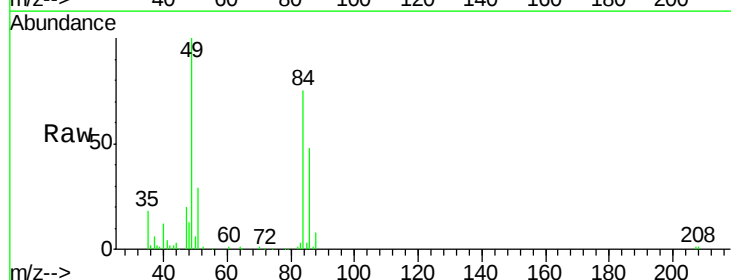
Ion Ratio Lower Upper

84 100

49 132.9 108.2 162.2

51 38.6 32.7 49.1

86 64.0 50.3 75.5

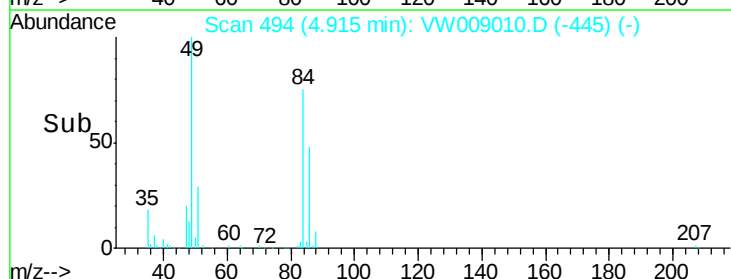
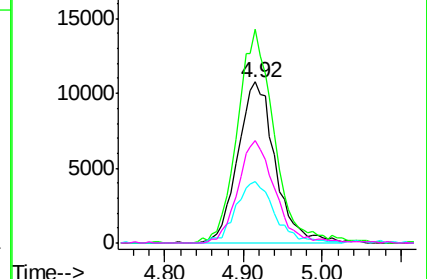


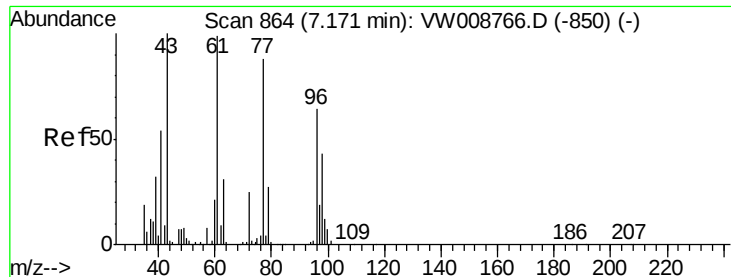
Abundance Ion 83.90 (83.60 to 84.60): VW

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: 9.831 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW009010.D

Acq: 05 Mar 2019 21:17

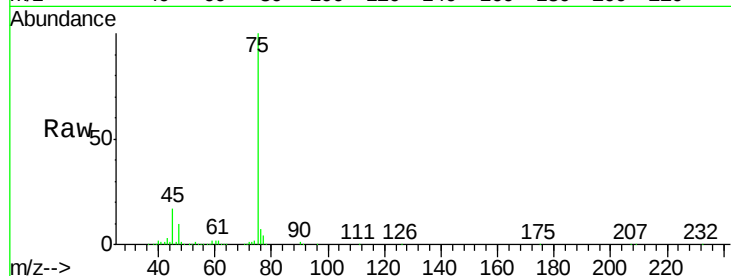
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 9797

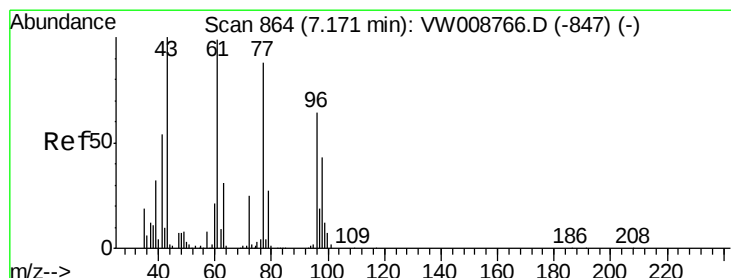
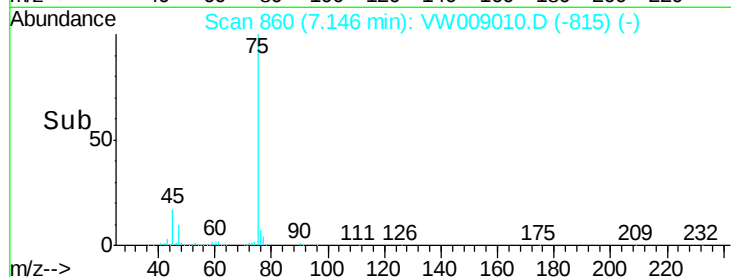
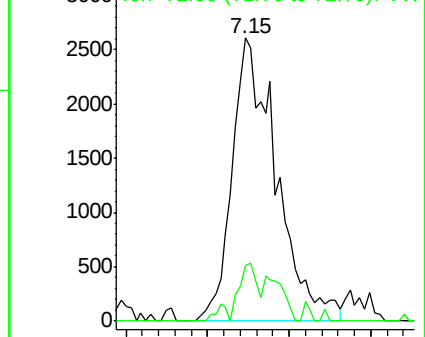
Ion Ratio Lower Upper

43 100

72 19.4 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: 1.665 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW009010.D

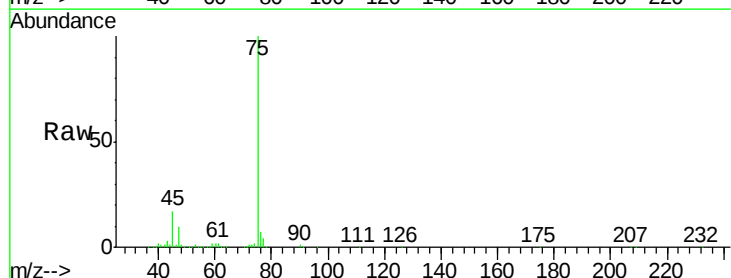
Acq: 05 Mar 2019 21:17

Tgt Ion: 77 Resp: 8660

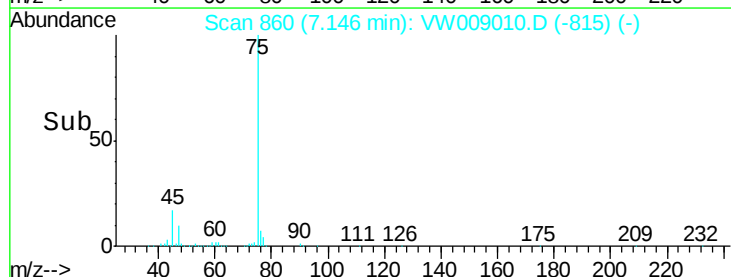
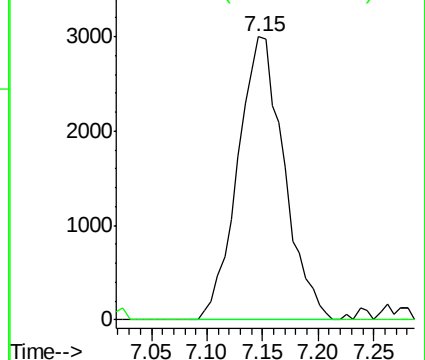
Ion Ratio Lower Upper

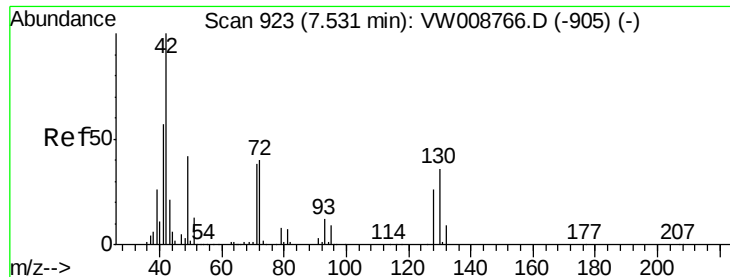
77 100

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

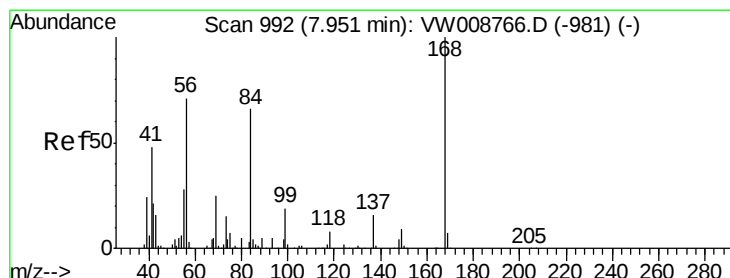
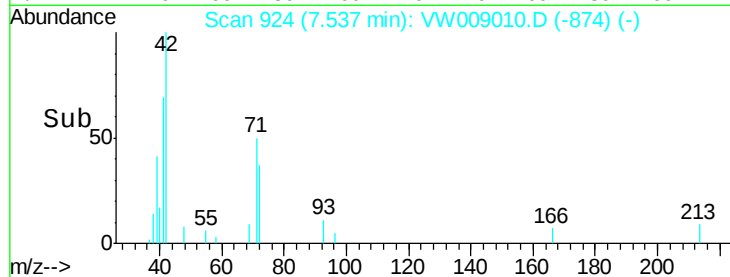
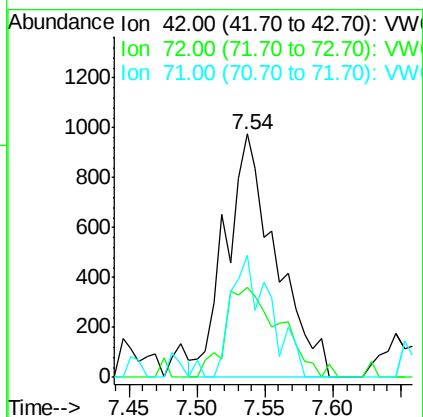
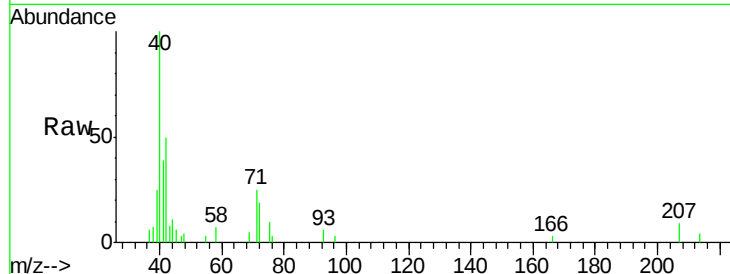




#29
Tetrahydrofuran
Concen: 3.951 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW009010.D
Acq: 05 Mar 2019 21:17

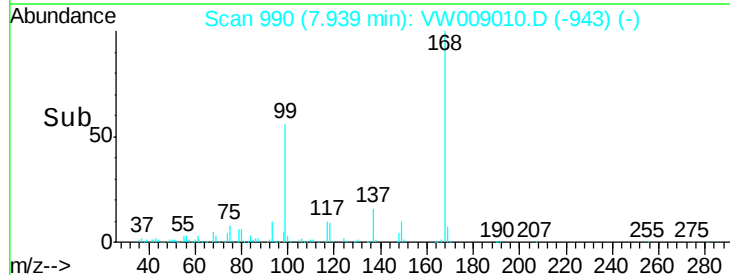
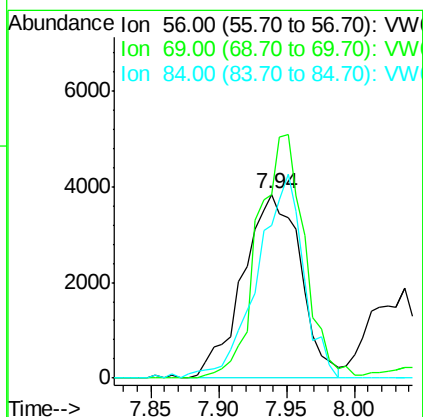
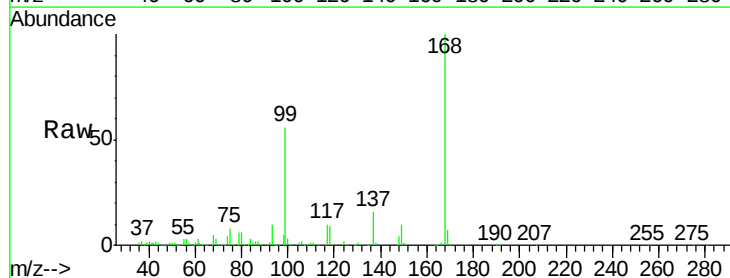
Instrument :
MSVOA_W
ClientSampled :

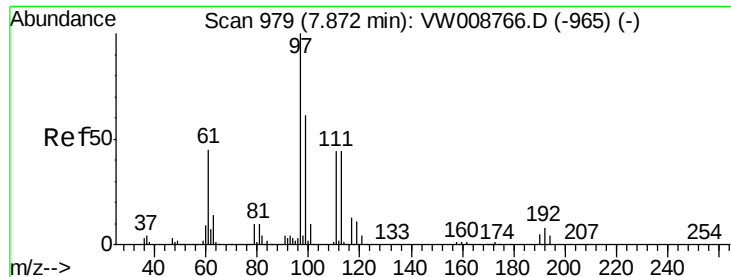
Tot Ion: 42 Resp: 2509
Ion Ratio Lower Upper
42 100
72 41.1 32.7 49.1
71 39.5 31.3 46.9



#31
Cyclohexane
Concen: 1.956 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW009010.D
Acq: 05 Mar 2019 21:17

Tgt Ion: 56 Resp: 11341
Ion Ratio Lower Upper
56 100
69 99.9 28.2 42.4#
84 83.5 74.1 111.1





#32

1,1,1-Trichloroethane

Concen: 1.366 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW009010.D

Acq: 05 Mar 2019 21:17

Instrument :

MSVOA_W

ClientSampled :

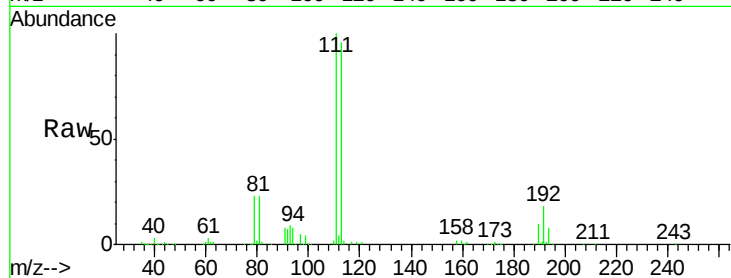
Tot Ion: 97 Resp: 7301

Ion Ratio Lower Upper

97 100

99 0.0 50.8 76.2#

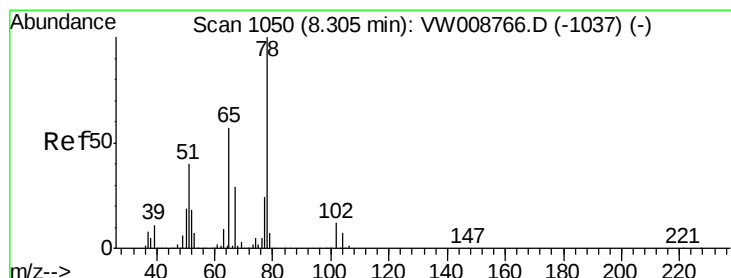
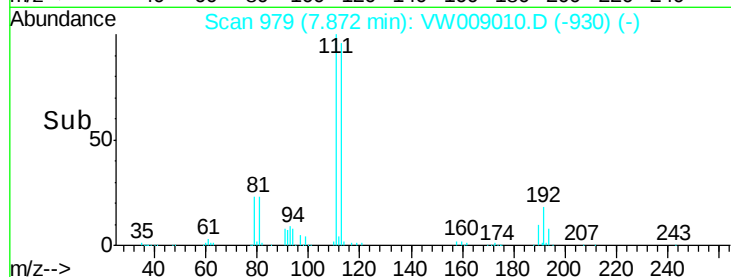
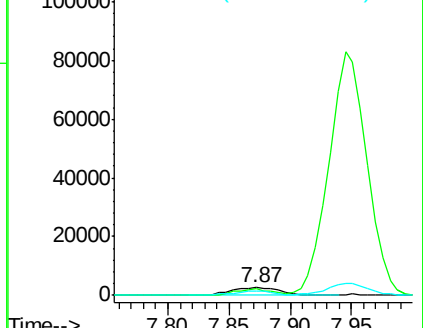
61 46.4 36.0 54.0



Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 98.90 (98.60 to 99.60): VW

Ion 60.90 (60.60 to 61.60): VW



#33

1,2-Dichloroethane-d4

Concen: 58.891 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW009010.D

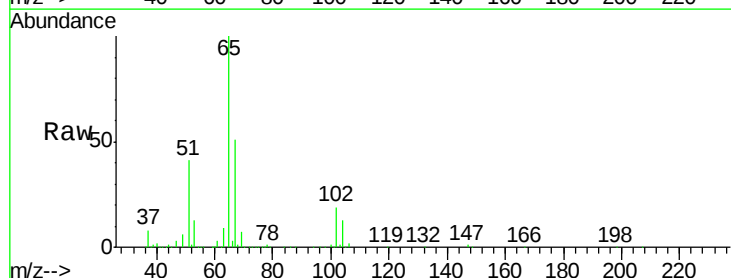
Acq: 05 Mar 2019 21:17

Tgt Ion: 65 Resp: 181096

Ion Ratio Lower Upper

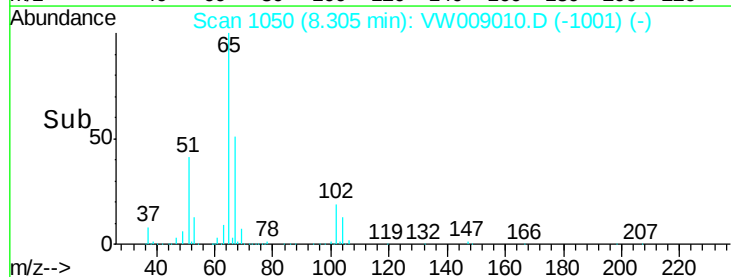
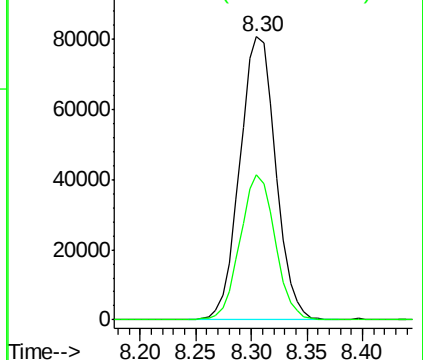
65 100

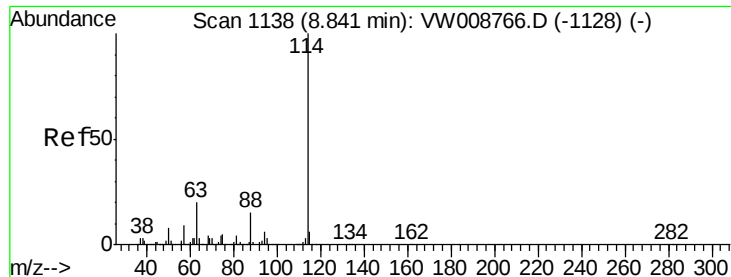
67 50.3 0.0 101.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

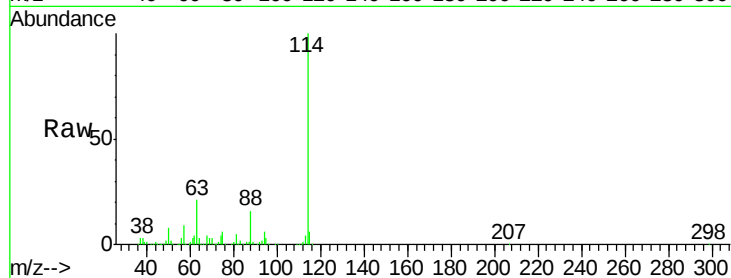




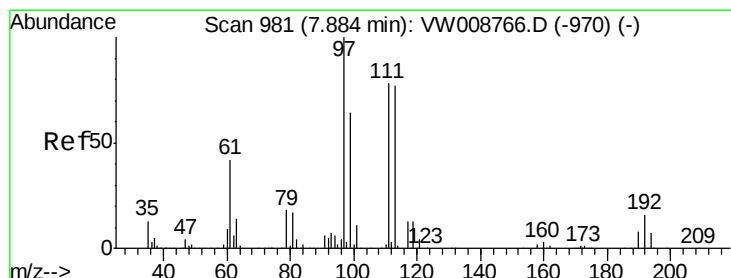
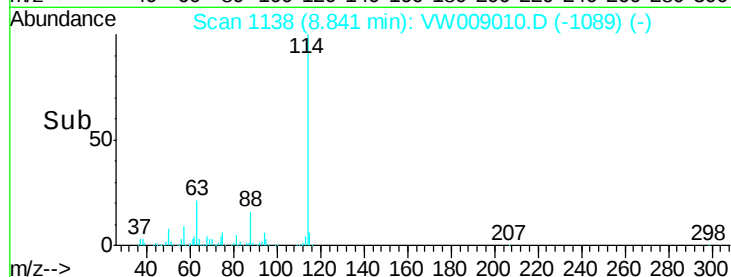
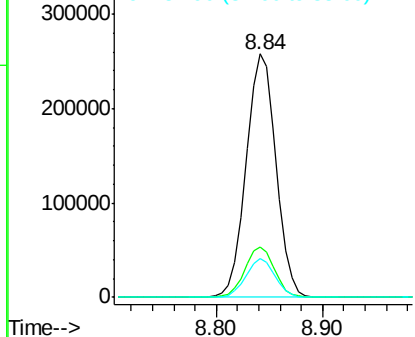
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VW009010.D
Acq: 05 Mar 2019 21:17

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:114 Resp: 508442
Ion Ratio Lower Upper
114 100
63 20.7 0.0 40.8
88 15.8 0.0 30.4

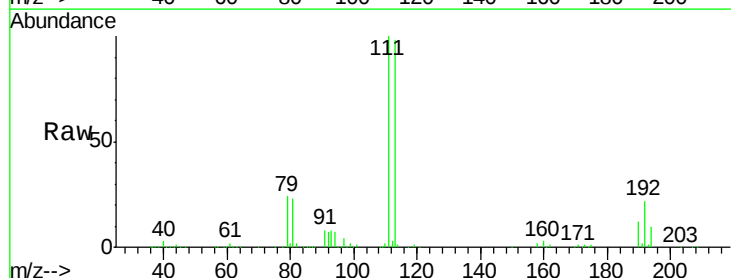


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

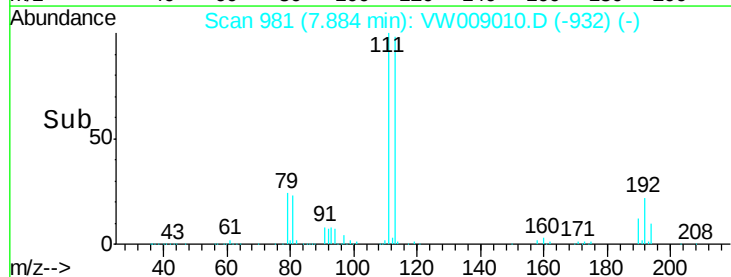
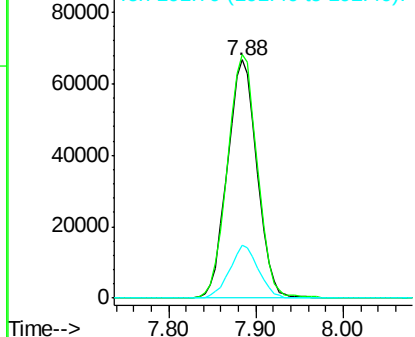


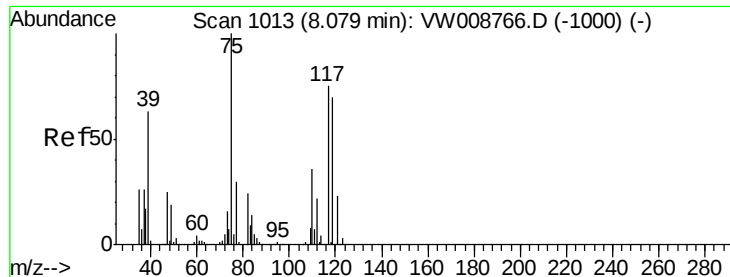
#35
Dibromofluoromethane
Concen: 51.521 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: VW009010.D
Acq: 05 Mar 2019 21:17

Tgt Ion:113 Resp: 157281
Ion Ratio Lower Upper
113 100
111 102.7 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: 5.254 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW009010.D

Acq: 05 Mar 2019 21:17

Instrument :

MSVOA_W

ClientSampleId :

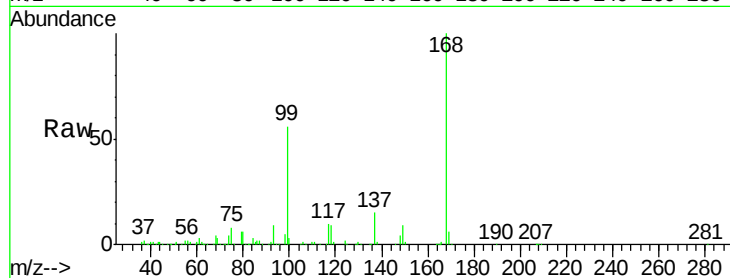
Tot Ion: 75 Resp: 26005

Ion Ratio Lower Upper

75 100

110 10.3 17.5 52.6#

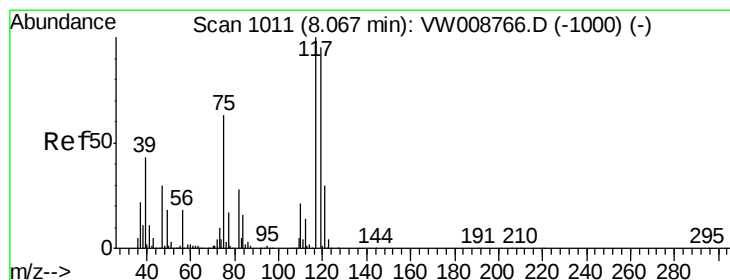
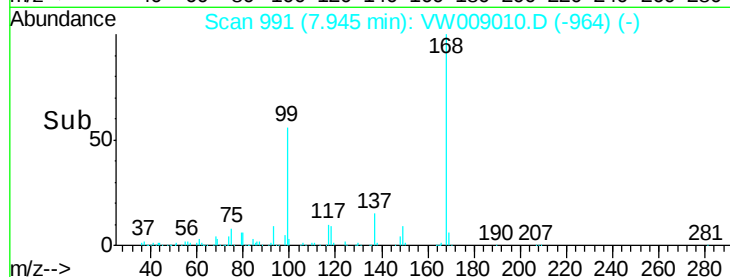
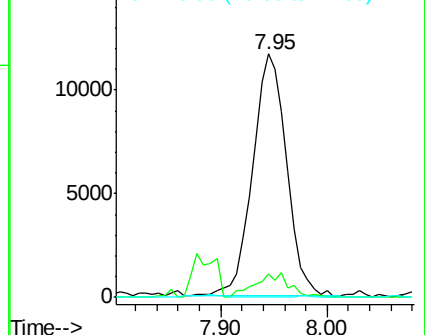
77 0.0 24.5 36.7#



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



#38

Carbon Tetrachloride

Concen: 6.127 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW009010.D

Acq: 05 Mar 2019 21:17

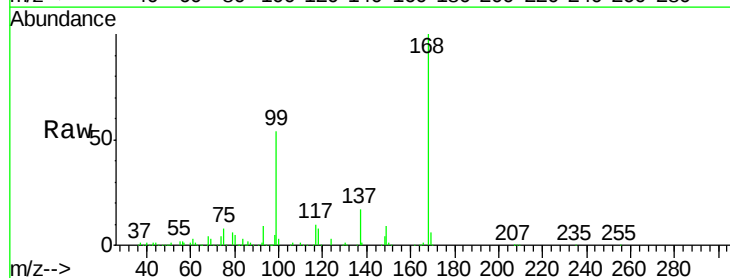
Tgt Ion: 117 Resp: 31983

Ion Ratio Lower Upper

117 100

119 3.6 76.1 114.1#

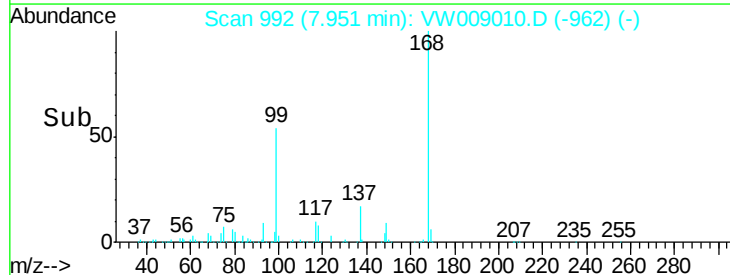
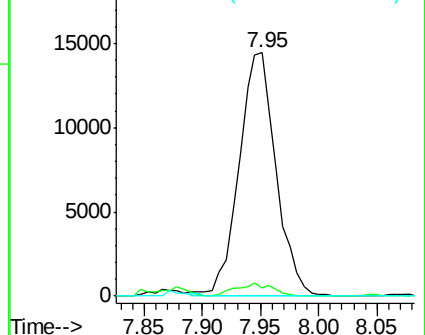
121 0.0 24.0 36.0#

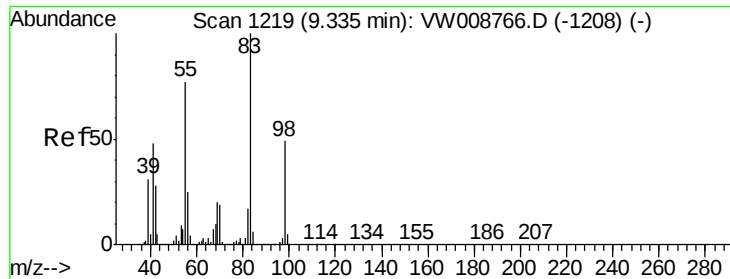


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

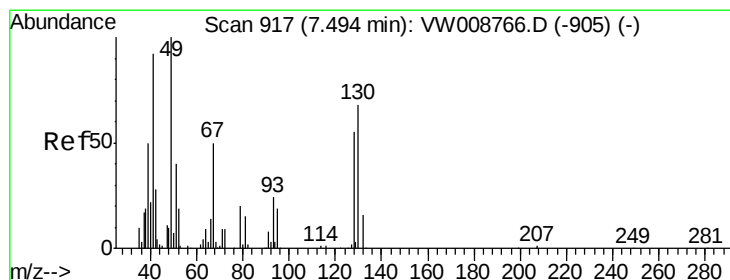
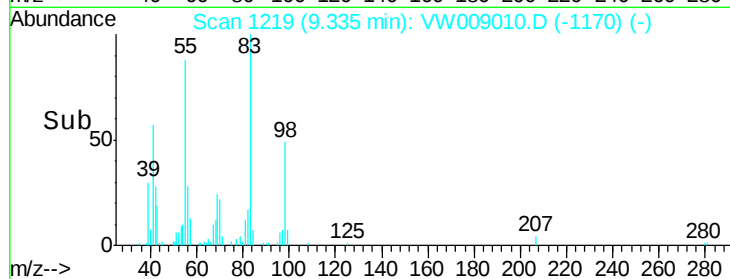
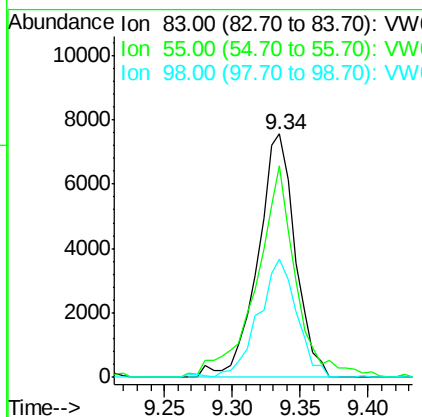
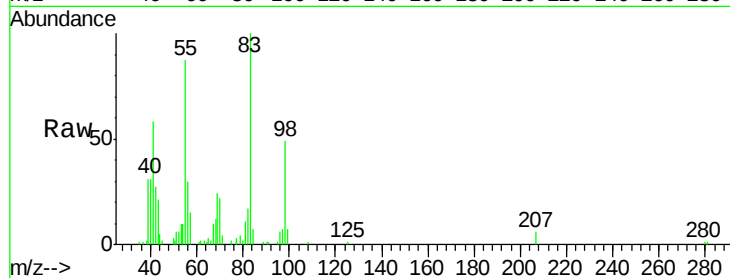




#39
Methvlcvclohexane
Concen: 2.361 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW009010.D
Acq: 05 Mar 2019 21:17

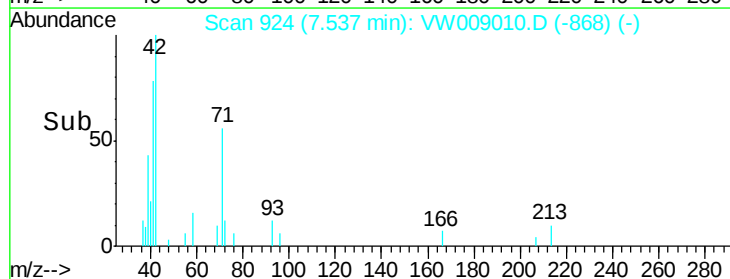
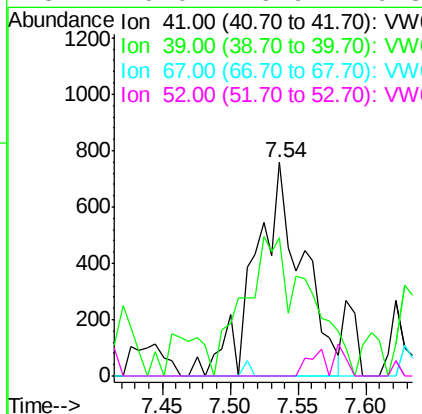
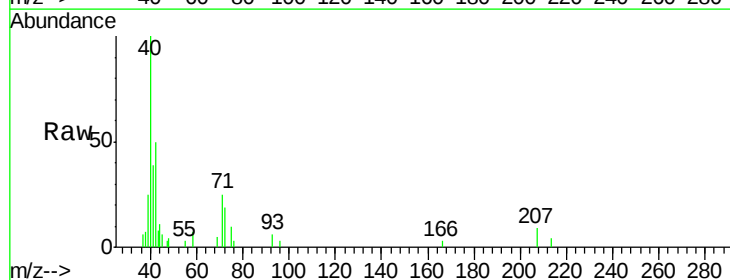
Instrument :
MSVOA_W
ClientSampleId :

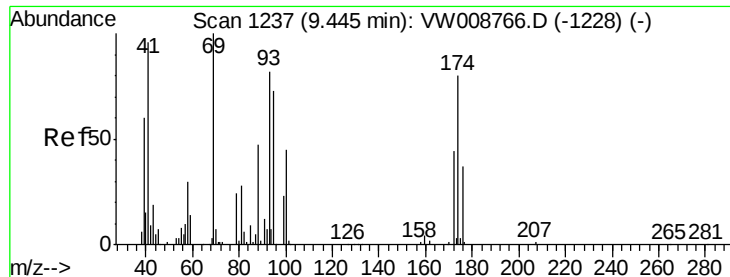
Tot Ion	83	Resp	14577
Ion Ratio	Lower	Upper	
83	100		
55	84.3	61.2	91.8
98	48.5	39.4	59.2



#41
Methacrylonitrile
Concen: 1.366 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.04 min
Lab File: VW009010.D
Acq: 05 Mar 2019 21:17

Tgt Ion	41	Resp	1848
Ion Ratio	Lower	Upper	
41	100		
39	88.5	52.5	78.7#
67	0.0	55.0	82.6#
52	0.0	26.9	40.3#

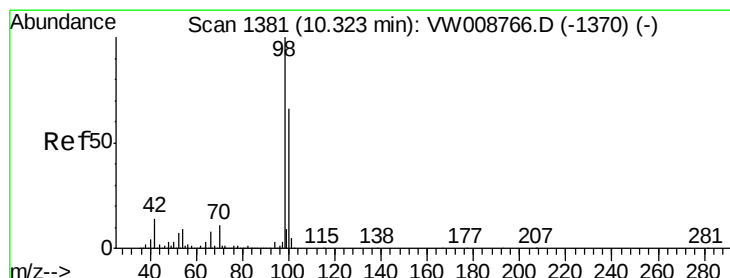
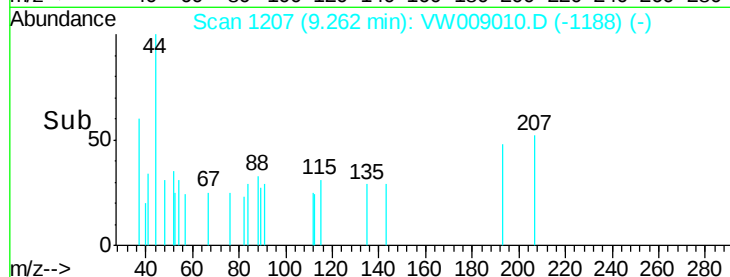
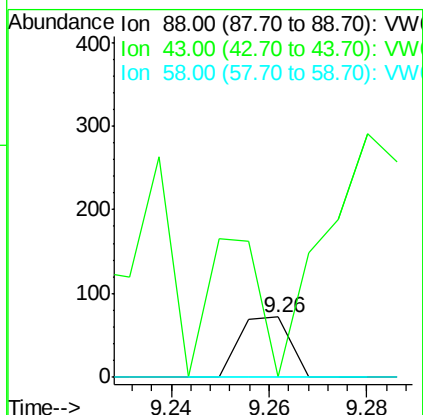
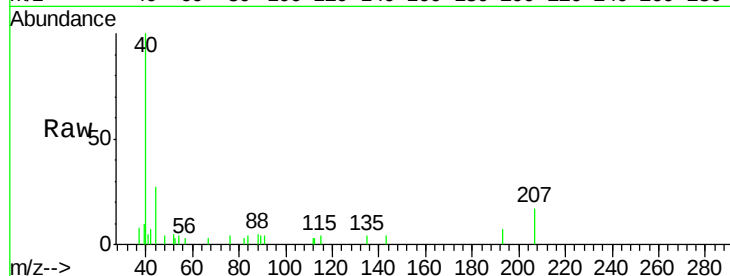




#49
1,4-Dioxane
Concen: 1.748 ug/l
RT: 9.26 min Scan# 1207
Delta R.T. -0.18 min
Lab File: VW009010.D
Acq: 05 Mar 2019 21:17

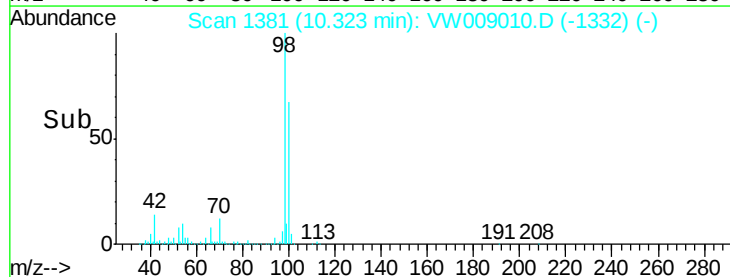
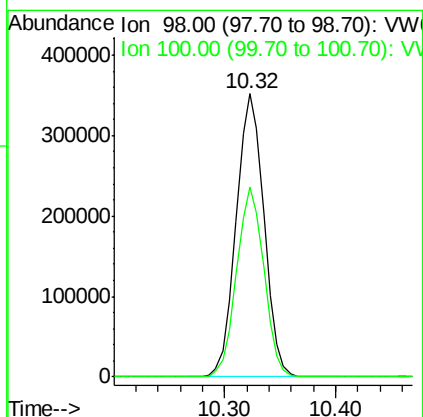
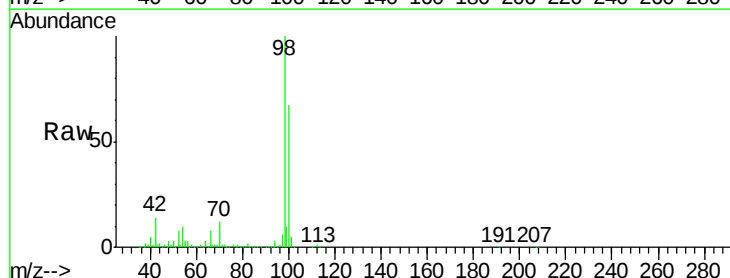
Instrument :
MSVOA_W
ClientSampled :

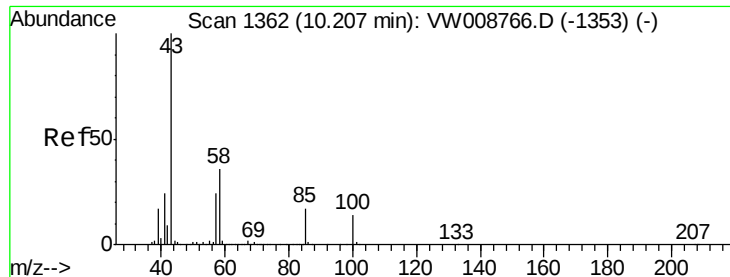
Tot Ion: 88 Resp: 52
Ion Ratio Lower Upper
88 100
43 0.0 29.0 43.4#
58 0.0 52.0 78.0#



#50
Toluene-d8
Concen: 51.526 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW009010.D
Acq: 05 Mar 2019 21:17

Tgt Ion: 98 Resp: 607204
Ion Ratio Lower Upper
98 100
100 65.8 52.4 78.6

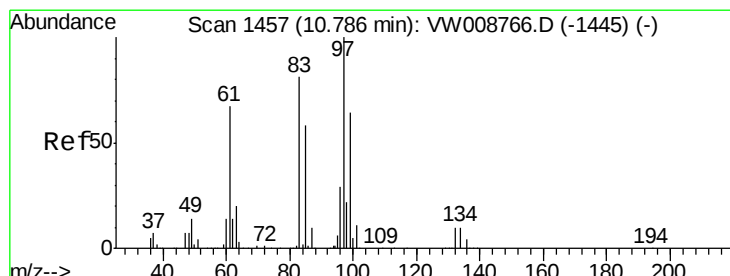
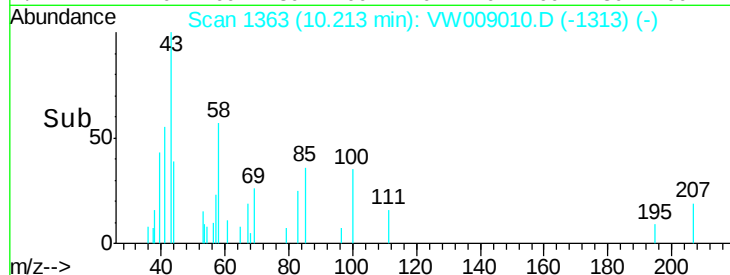
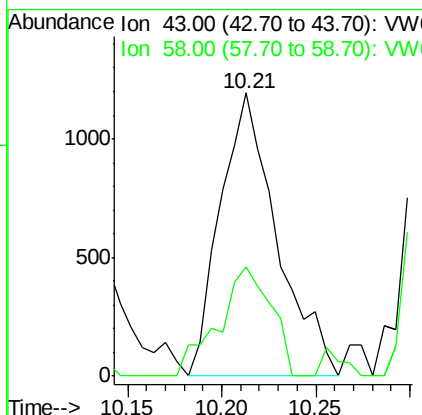
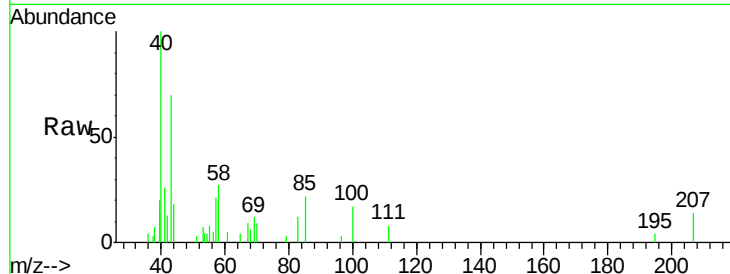




#51
 4-Methyl-2-Pentanone
 Concen: 1.067 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.01 min
 Lab File: VW009010.D
 Acq: 05 Mar 2019 21:17

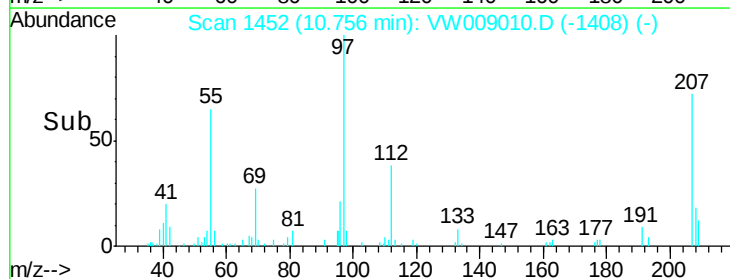
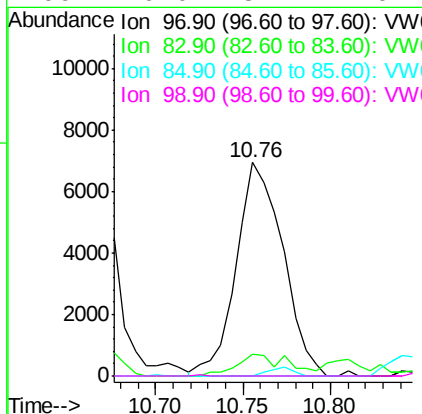
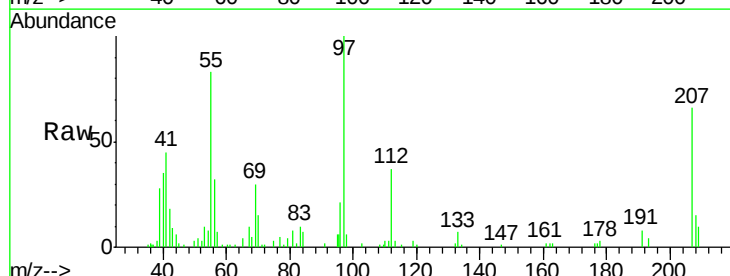
Instrument :
 MSVOA_W
 ClientSampled :

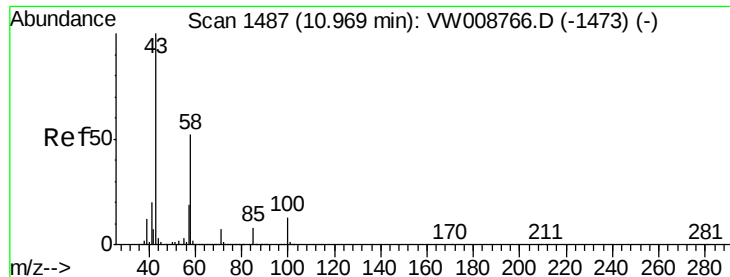
Tot Ion: 43 Resp: 2488
 Ion Ratio Lower Upper
 43 100
 58 35.8 29.1 43.7



#55
 1,1,2-Trichloroethane
 Concen: 5.108 ug/l
 RT: 10.76 min Scan# 1452
 Delta R.T. -0.03 min
 Lab File: VW009010.D
 Acq: 05 Mar 2019 21:17

Tgt Ion: 97 Resp: 12868
 Ion Ratio Lower Upper
 97 100
 83 10.3 65.0 97.6#
 85 0.0 46.0 69.0#
 99 0.0 51.1 76.7#

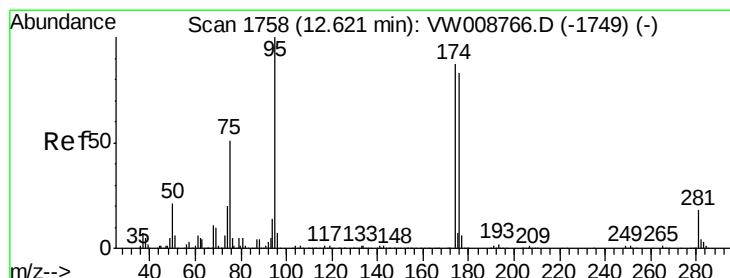
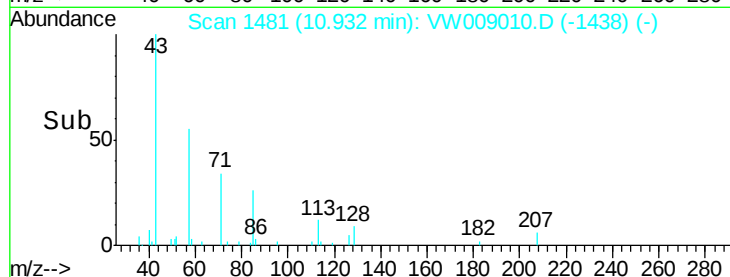
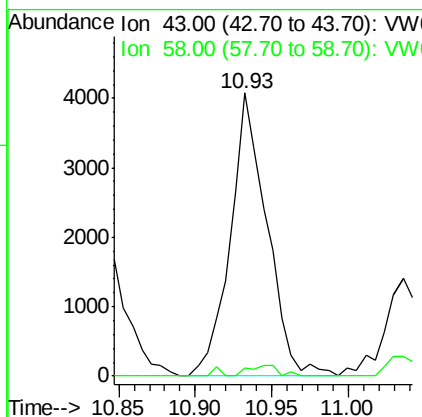
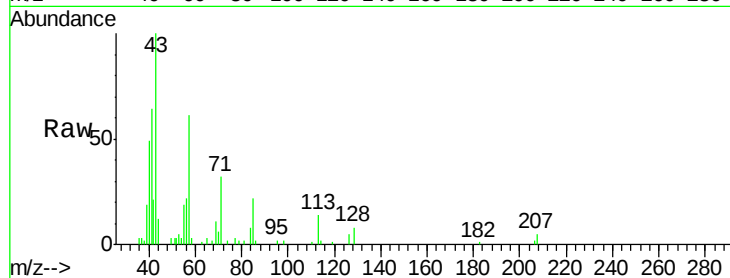




#59
2-Hexanone
Concen: 4.088 ug/l
RT: 10.93 min Scan# 1481
Delta R.T. -0.04 min
Lab File: VW009010.D
Acq: 05 Mar 2019 21:17

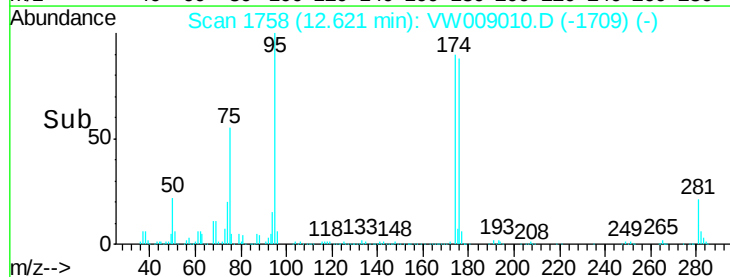
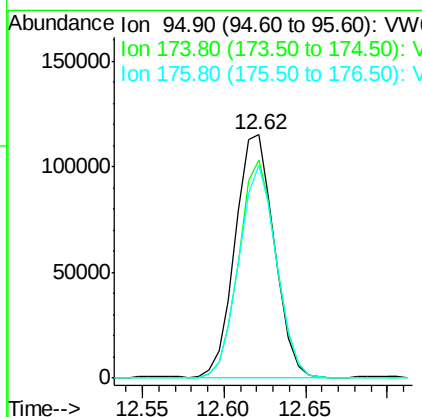
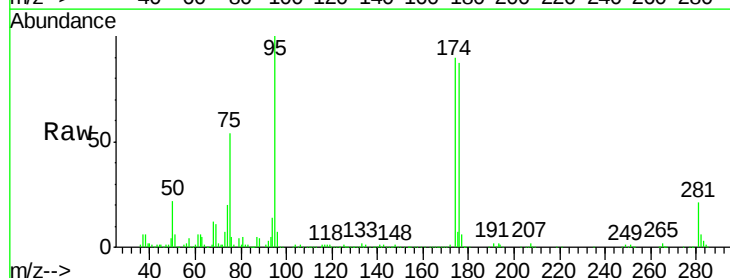
Instrument :
MSVOA_W
ClientSampleId :

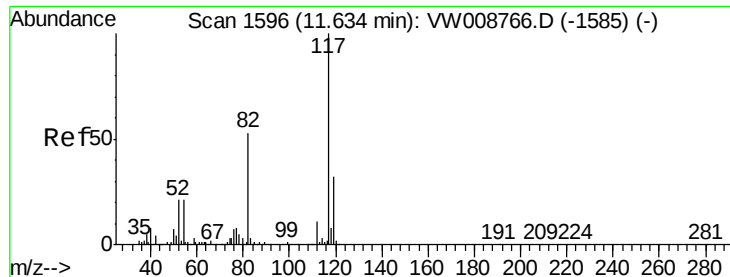
Tot Ion: 43 Resp: 6787
Ion Ratio Lower Upper
43 100
58 3.1 25.3 75.8#



#62
4-Bromofluorobenzene
Concen: 41.545 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW009010.D
Acq: 05 Mar 2019 21:17

Tgt Ion: 95 Resp: 191693
Ion Ratio Lower Upper
95 100
174 86.3 0.0 169.2
176 84.7 0.0 163.6

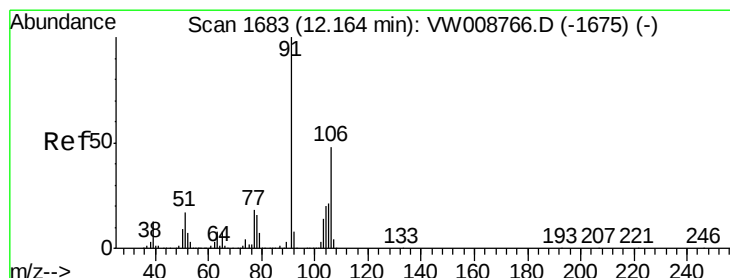
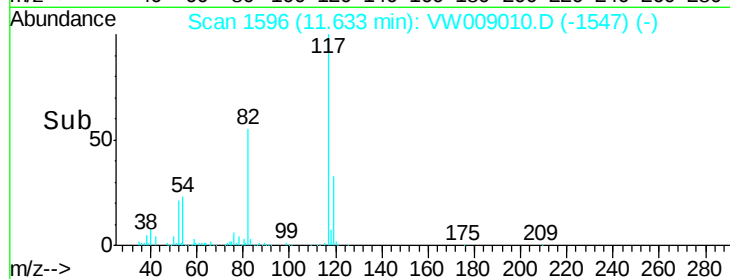
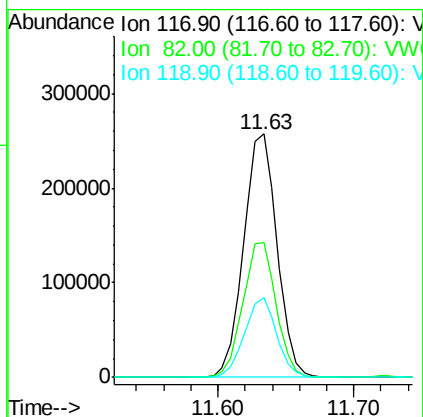
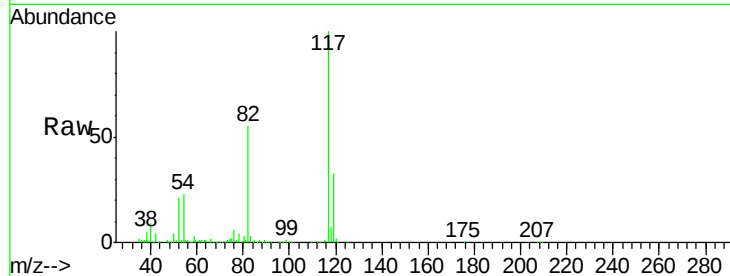




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW009010.D
Acq: 05 Mar 2019 21:17

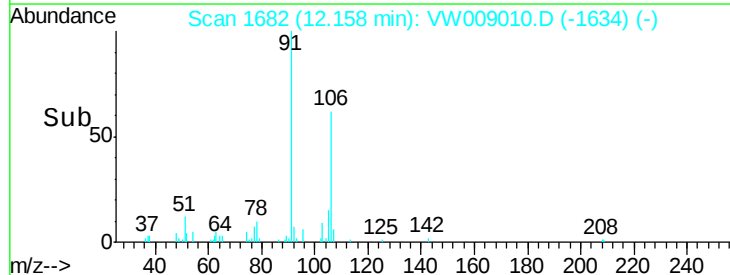
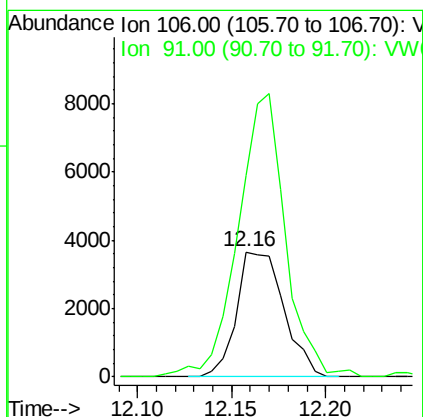
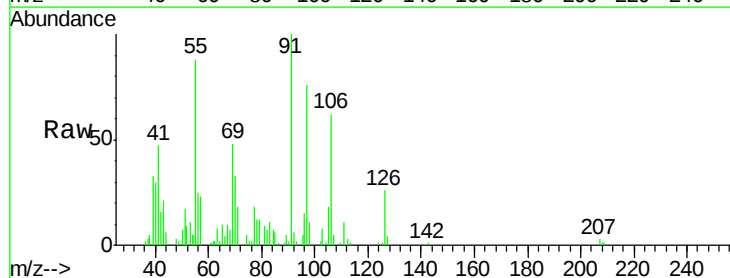
Instrument :
MSVOA_W
ClientSampleId :

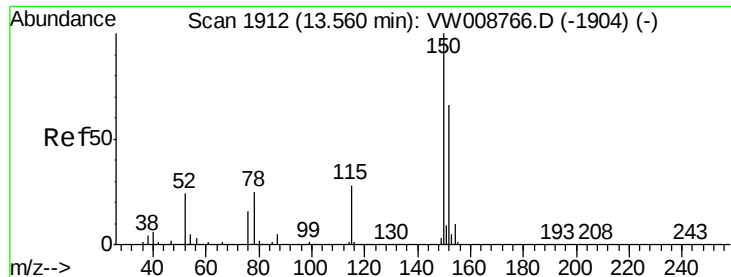
Tot Ion:117 Resp: 442155
Ion Ratio Lower Upper
117 100
82 55.2 42.2 63.4
119 32.5 25.9 38.9



#69
o-Xylene
Concen: 1.023 ug/l
RT: 12.16 min Scan# 1682
Delta R.T. -0.01 min
Lab File: VW009010.D
Acq: 05 Mar 2019 21:17

Tgt Ion:106 Resp: 6378
Ion Ratio Lower Upper
106 100
91 226.3 106.2 318.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW009010.D

Acq: 05 Mar 2019 21:17

Instrument :

MSVOA_W

ClientSampleId :

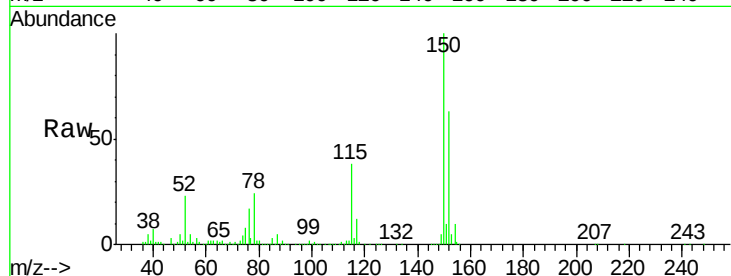
Tot Ion:152 Resp: 174907

Ion Ratio Lower Upper

152 100

115 57.3 28.6 85.8

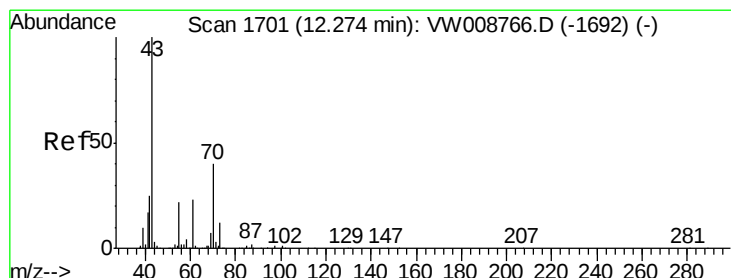
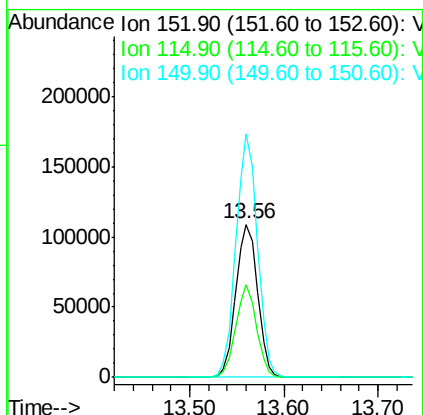
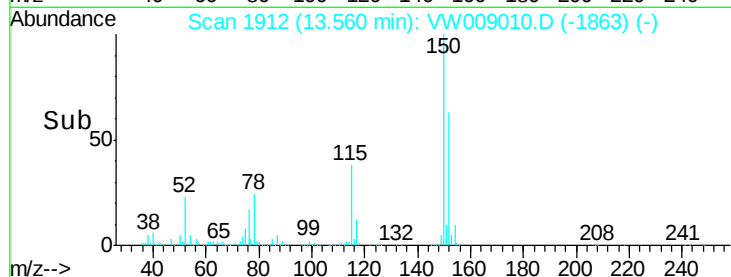
150 156.5 0.0 348.0



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



#74

N-ethyl acetate

Concen: 1.659 ug/l

RT: 12.26 min Scan# 1698

Delta R.T. -0.02 min

Lab File: VW009010.D

Acq: 05 Mar 2019 21:17

Tgt Ion: 43 Resp: 5012

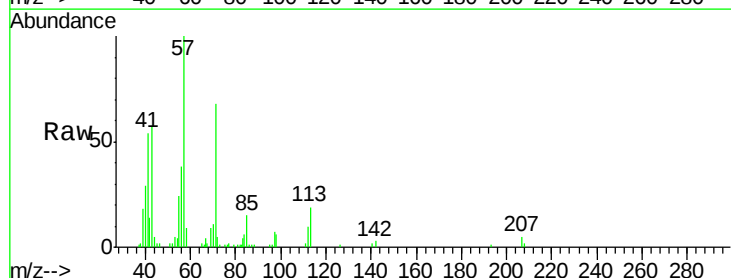
Ion Ratio Lower Upper

43 100

70 27.0 31.0 46.6#

55 23.2 18.7 28.1

61 0.0 18.1 27.1#

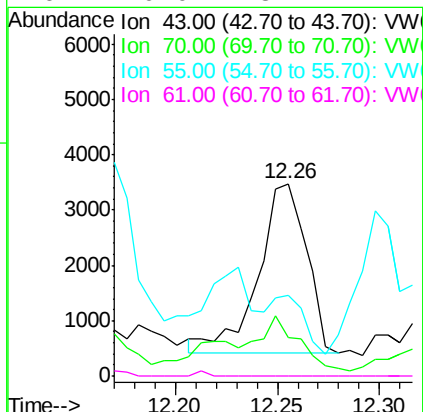
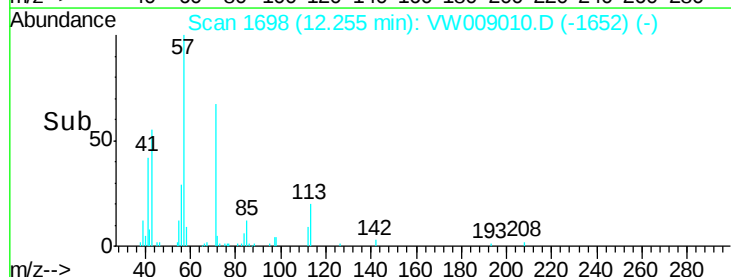


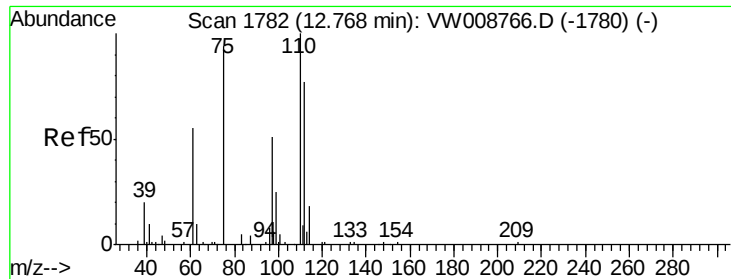
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#76

1,2,3-Trichloropropane

Concen: 71.774 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW009010.D

Acq: 05 Mar 2019 21:17

Instrument :

MSVOA_W

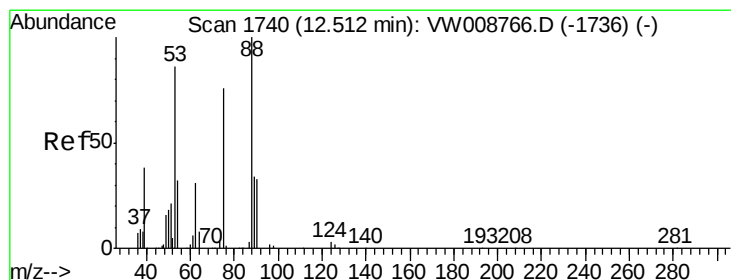
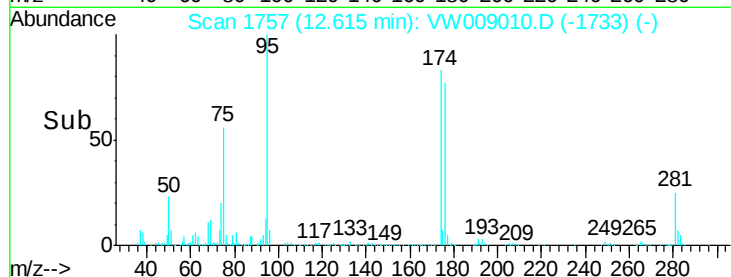
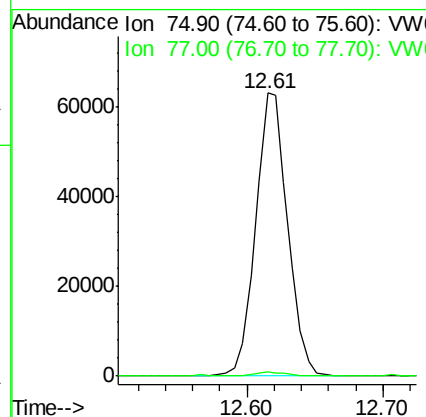
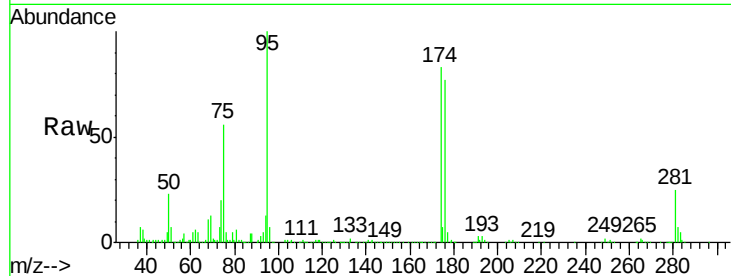
ClientSampleId :

Tot Ion: 75 Resp: 103648

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 174.488 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW009010.D

Acq: 05 Mar 2019 21:17

Tgt Ion: 75 Resp: 103648

Ion Ratio Lower Upper

75 100

53 0.3 88.2 132.2#

89 0.2 39.5 59.3#

