

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030519\
 Data File : VW009003.D
 Acq On : 05 Mar 2019 18:10
 Operator : SY/VA
 Sample : K1688-07RE
 Misc : 6.43G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 06 06:52:19 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	311736	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	484297	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	425804	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	181249	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	176445	60.35	ug/l	0.00
Spiked Amount			Recovery	=	120.70%	
35) Dibromofluoromethane	7.88	113	150478	51.75	ug/l	0.00
Spiked Amount			Recovery	=	103.50%	
50) Toluene-d8	10.32	98	576433	51.35	ug/l	0.00
Spiked Amount			Recovery	=	102.70%	
62) 4-Bromofluorobenzene	12.62	95	187843	42.74	ug/l	0.00
Spiked Amount			Recovery	=	85.48%	

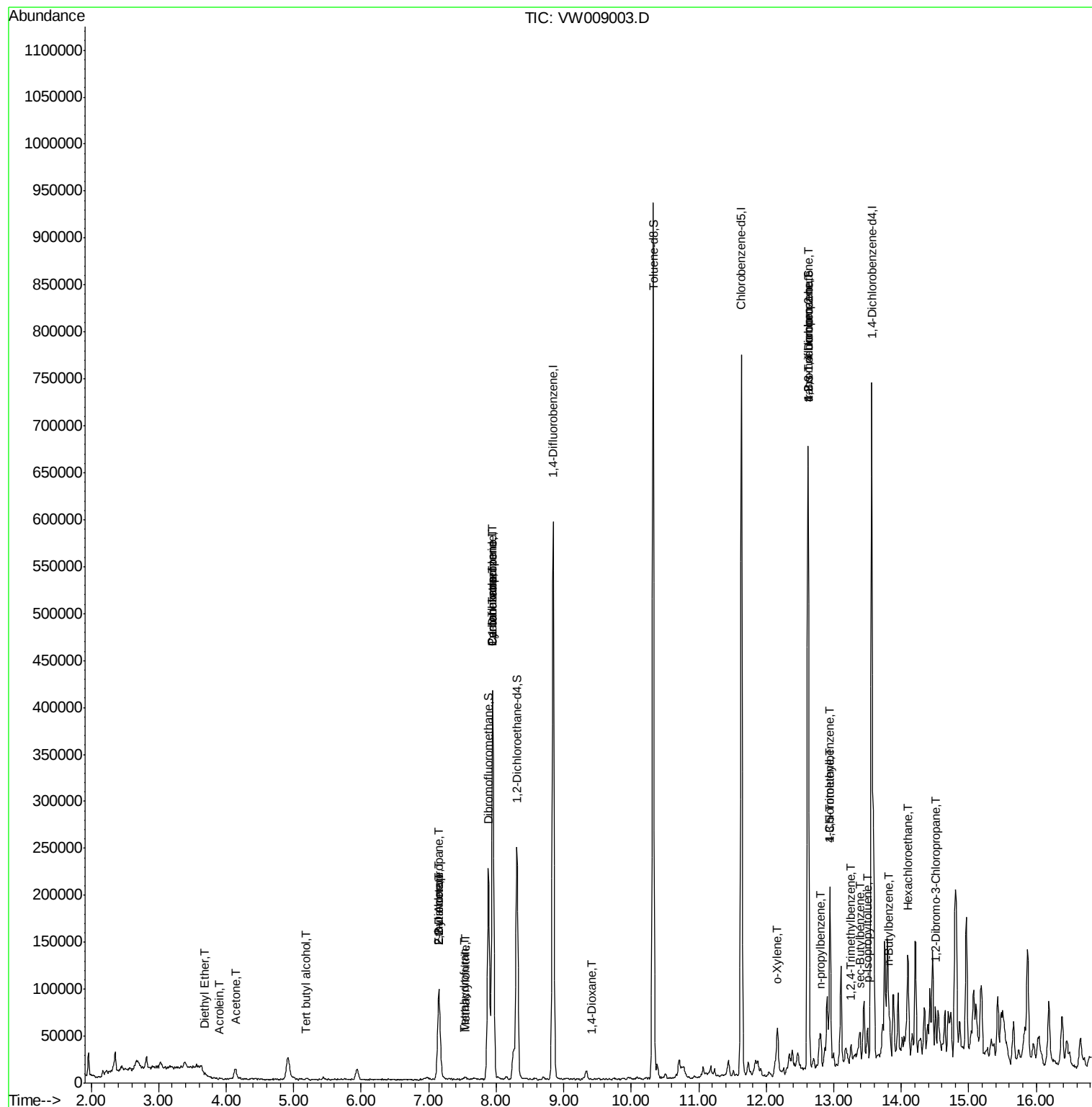
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.69	74	1819	1.129	ug/l	64
11) Tert butyl alcohol	5.19	59	746	2.866	ug/l #	80
13) Acrolein	3.89	56	119	20.179	ug/l #	1
16) Acetone	4.14	43	19864	29.310	ug/l	92
25) 2-Butanone	7.16	43	7414	7.825	ug/l #	72
26) 2,2-Dichloropropane	7.15	77	6646	1.344	ug/l #	54
29) Tetrahydrofuran	7.53	42	2310	3.826	ug/l	88
31) Cyclohexane	7.95	56	8618	1.563	ug/l #	57
36) 1,1-Dichloropropene	7.95	75	24038	5.099	ug/l #	51
37) Ethyl Acetate	7.16	43	7414	3.382	ug/l #	22
38) Carbon Tetrachloride	7.95	117	29484	5.930	ug/l #	17
41) Methacrylonitrile	7.54	41	2156	1.673	ug/l #	45
49) 1,4-Dioxane	9.41	88	58	2.047	ug/l #	1
69) o-Xylene	12.17	106	12359	2.059	ug/l	90
76) 1,2,3-Trichloropropane	12.62	75	100666	67.270	ug/l #	100
78) n-propylbenzene	12.80	91	26837	1.766	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	79902	7.400	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.62	75	100666	163.538	ug/l #	6
82) 4-Chlorotoluene	12.94	91	9118	1.003	ug/l #	42
84) 1,2,4-Trimethylbenzene	13.26	105	11451	1.024	ug/l	95
85) sec-Butylbenzene	13.39	105	17702	1.319	ug/l #	76
86) p-Isopropyltoluene	13.50	119	16850	1.369	ug/l	94
89) n-Butylbenzene	13.82	91	20762	1.801	ug/l #	80
90) Hexachloroethane	14.10	117	5085	2.524	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.50	75	427	1.163	ug/l #	21

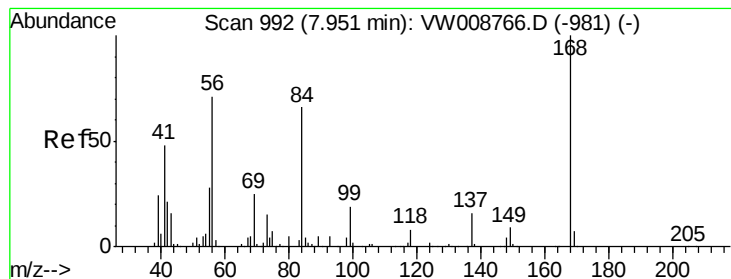
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 992

Delta R.T. 0.00 min

Lab File: VW009003.D

Acq: 05 Mar 2019 18:10

Instrument :

MSVOA_W

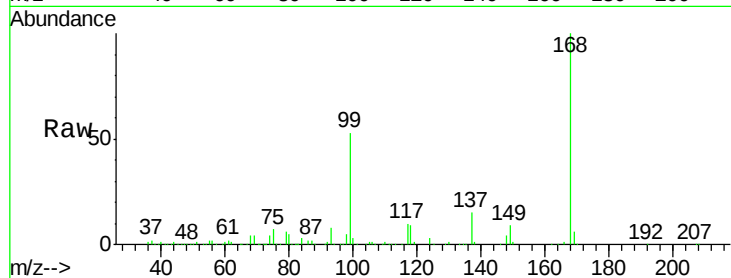
ClientSampled :

Tot Ion:168 Resp: 311736

Ion Ratio Lower Upper

168 100

99 52.5 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

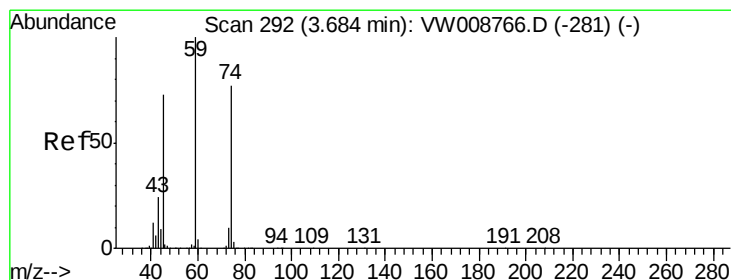
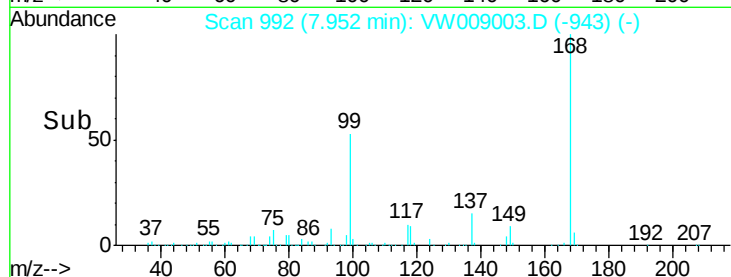
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.129 ug/l

RT: 3.69 min Scan# 293

Delta R.T. 0.01 min

Lab File: VW009003.D

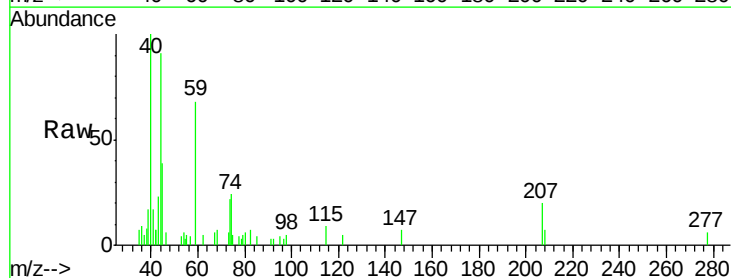
Acq: 05 Mar 2019 18:10

Tgt Ion: 74 Resp: 1819

Ion Ratio Lower Upper

74 100

45 136.2 50.2 150.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.69

1000

800

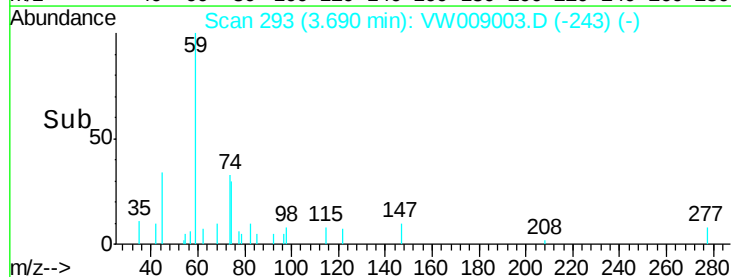
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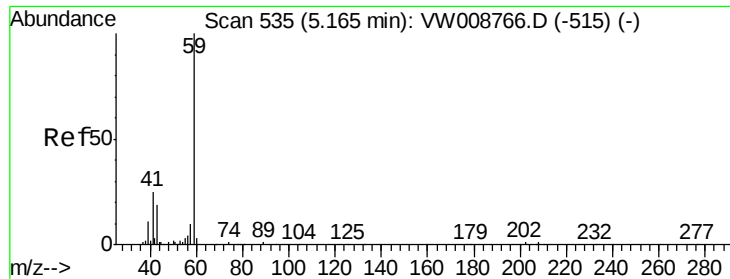
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200

0

Time-->



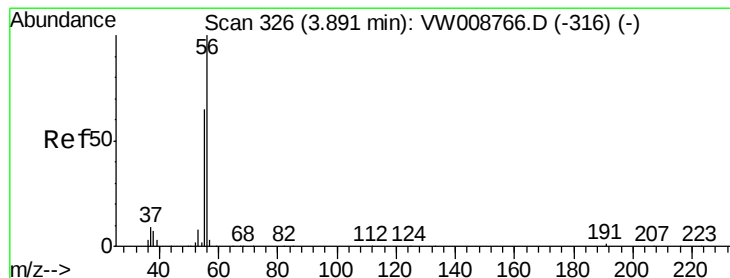
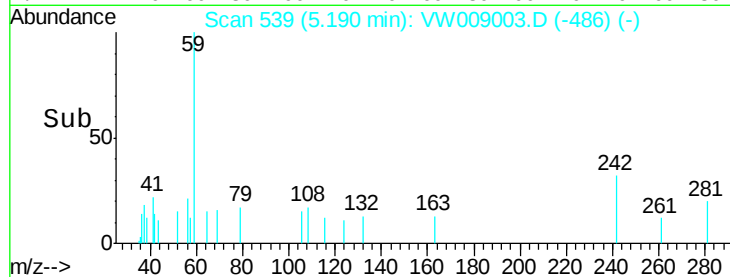
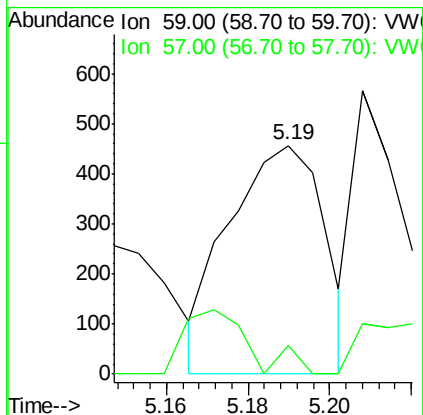
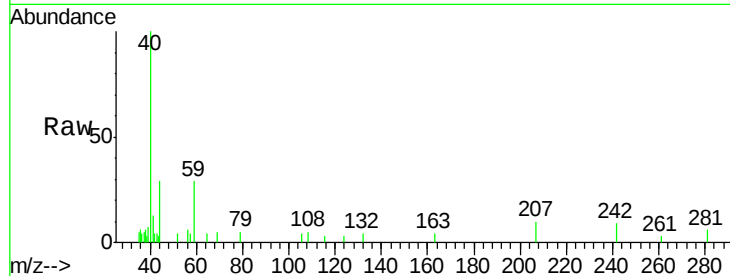


#11

Tert butyl alcohol
 Concen: 2.866 ug/l
 RT: 5.19 min Scan# 539
 Delta R.T. 0.02 min
 Lab File: VW009003.D
 Acq: 05 Mar 2019 18:10

Instrument :
 MSVOA_W
 ClientSampled :

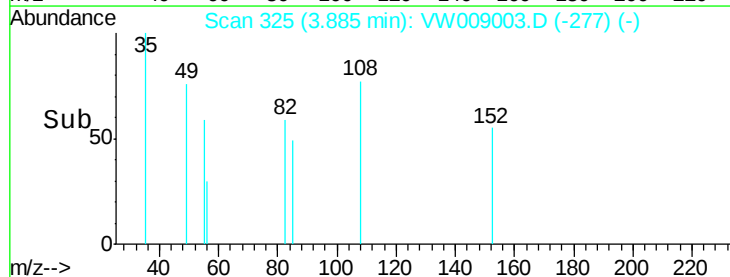
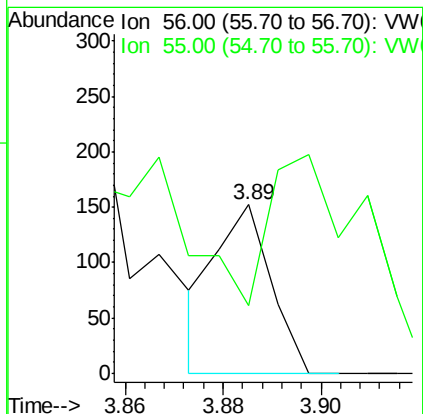
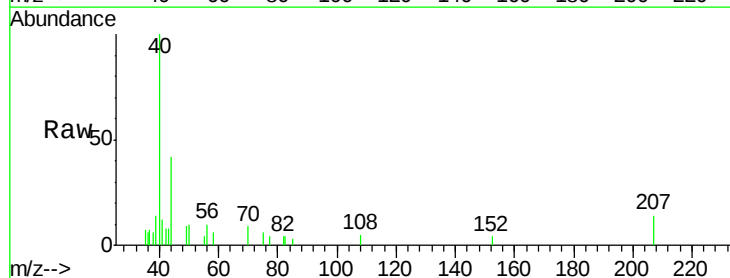
Tot Ion: 59 Resp: 746
 Ion Ratio Lower Upper
 59 100
 57 19.3 9.3 13.9#

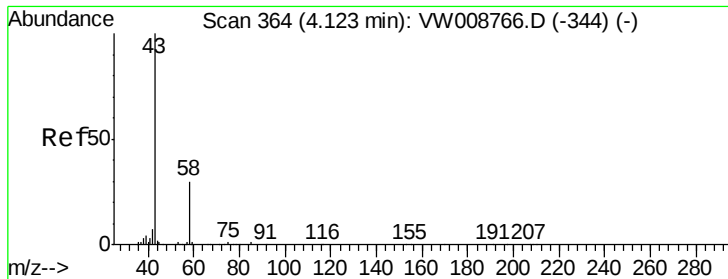


#13

Acrolein
 Concen: 20.179 ug/l
 RT: 3.89 min Scan# 325
 Delta R.T. -0.01 min
 Lab File: VW009003.D
 Acq: 05 Mar 2019 18:10

Tgt Ion: 56 Resp: 119
 Ion Ratio Lower Upper
 56 100
 55 225.2 56.9 85.3#





#16

Acetone

Concen: 29.310 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW009003.D

Acq: 05 Mar 2019 18:10

Instrument :

MSVOA_W

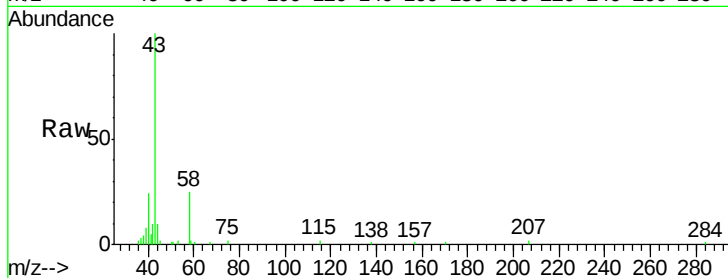
ClientSampleId :

Tot Ion: 43 Resp: 19864

Ion Ratio Lower Upper

43 100

58 25.4 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

8000

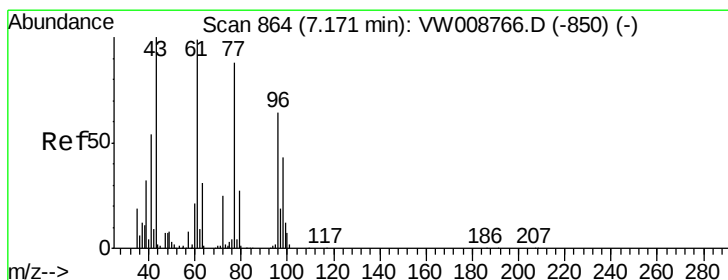
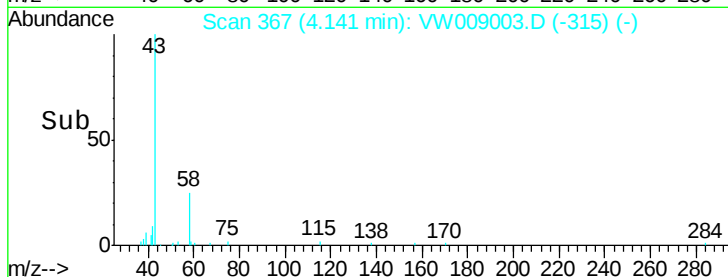
6000

4000

2000

0

Time-->



#25

2-Butanone

Concen: 7.825 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW009003.D

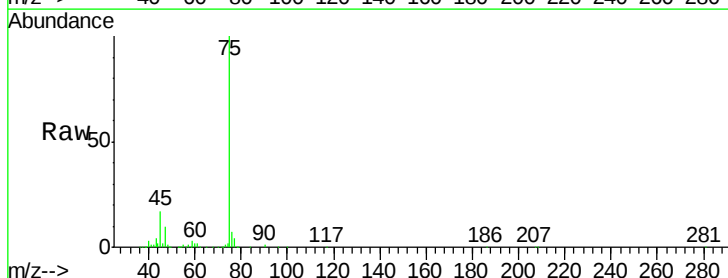
Acq: 05 Mar 2019 18:10

Tgt Ion: 43 Resp: 7414

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

7.16

2000

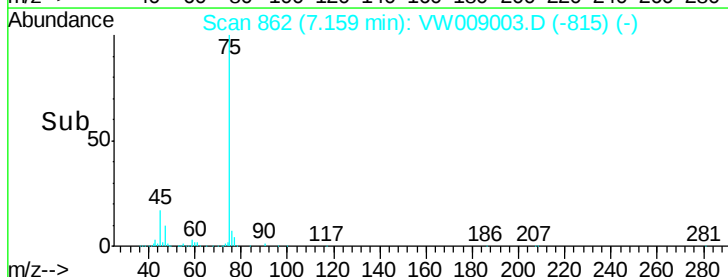
1500

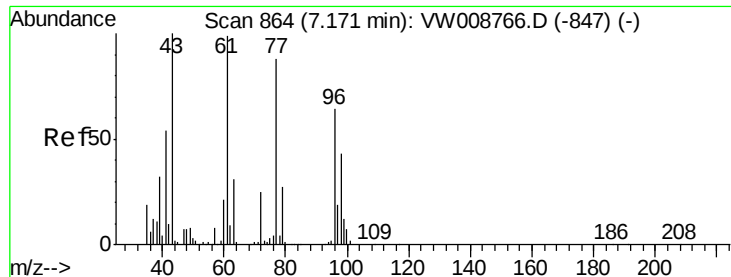
1000

500

0

Time-->





#26

2,2-Dichloropropane

Concen: 1.344 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.02 min

Lab File: VW009003.D

Acq: 05 Mar 2019 18:10

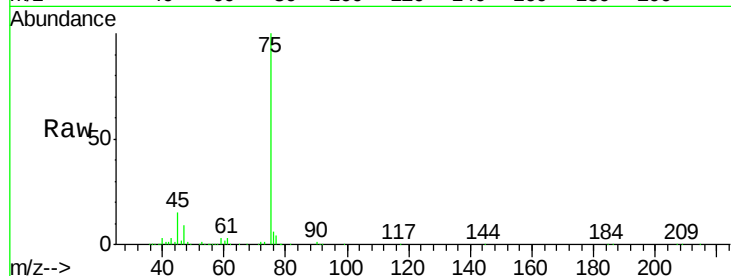
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 77 Resp: 6646

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

7.15

3000

2500

2000

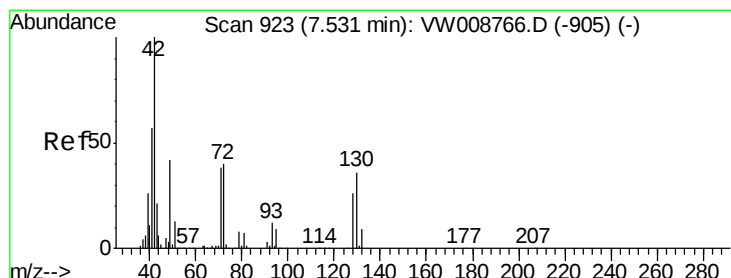
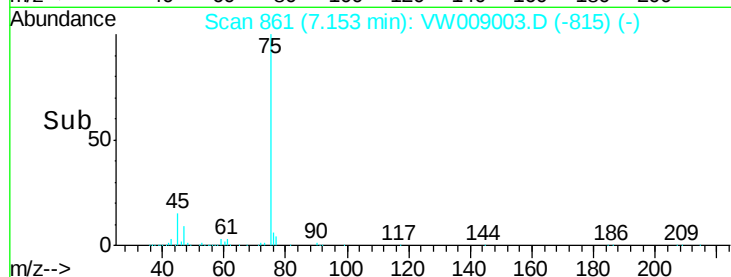
1500

1000

500

0

Time-->



#29

Tetrahydrofuran

Concen: 3.826 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.00 min

Lab File: VW009003.D

Acq: 05 Mar 2019 18:10

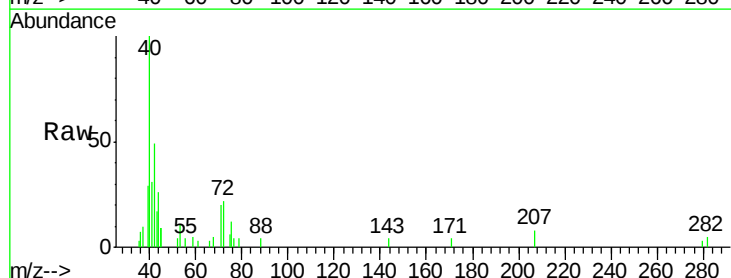
Tgt Ion: 42 Resp: 2310

Ion Ratio Lower Upper

42 100

72 33.3 32.7 49.1

71 32.3 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

1000

800

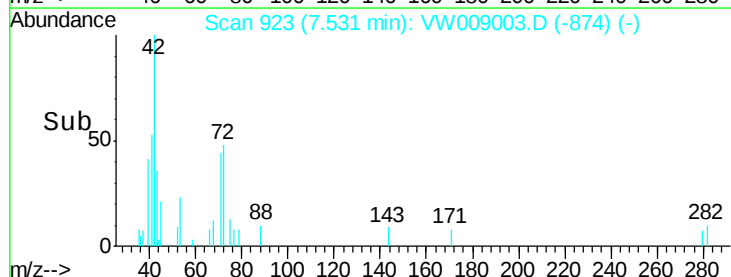
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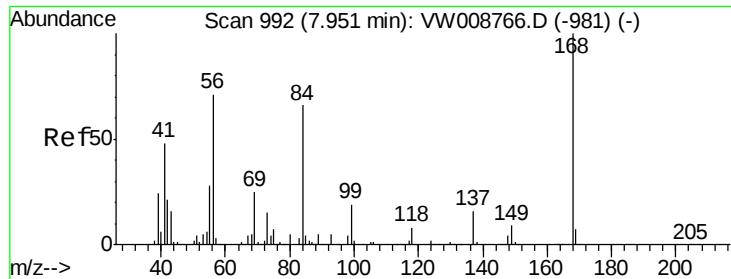
400

200

0

Time-->

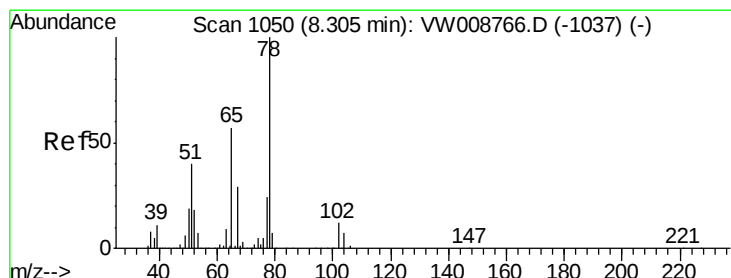
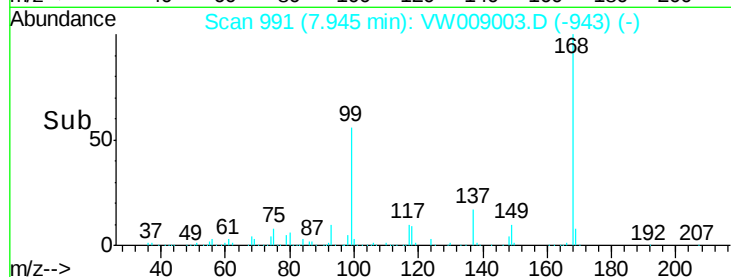
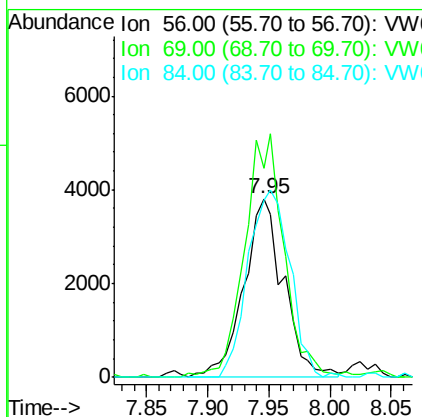
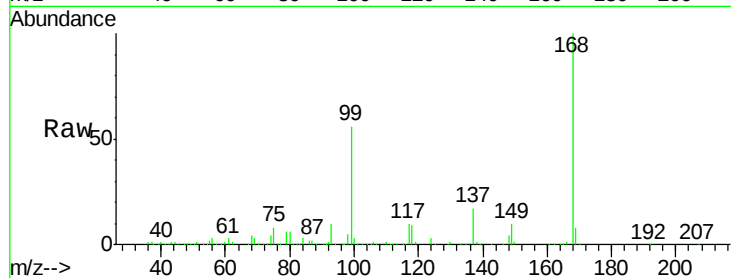




#31
Cyclohexane
Concen: 1.563 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW009003.D
Acq: 05 Mar 2019 18:10

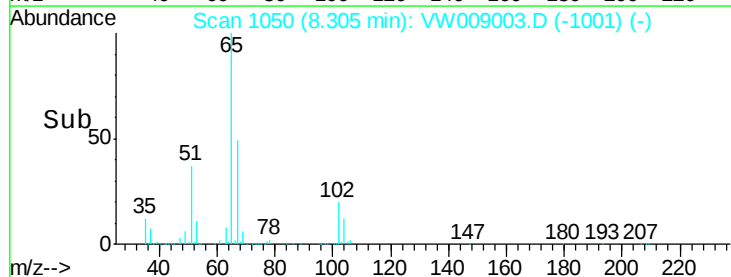
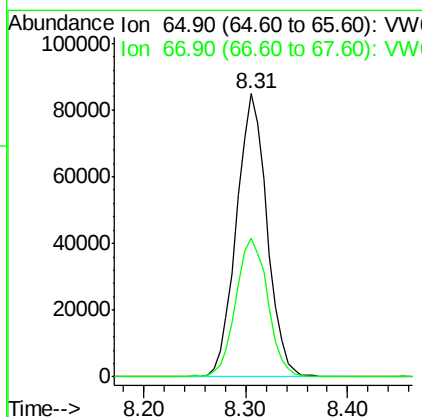
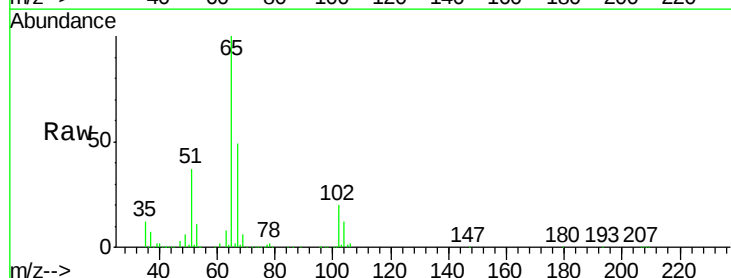
Instrument :
MSVOA_W
ClientSampled :

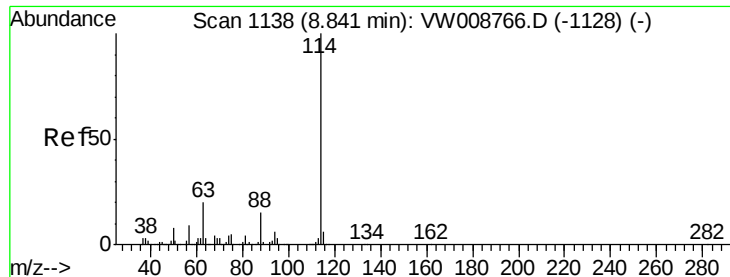
Tot Ion: 56 Resp: 8618
Ion Ratio Lower Upper
56 100
69 115.2 28.2 42.4#
84 99.2 74.1 111.1



#33
1,2-Dichloroethane-d4
Concen: 60.348 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW009003.D
Acq: 05 Mar 2019 18:10

Tgt Ion: 65 Resp: 176445
Ion Ratio Lower Upper
65 100
67 51.4 0.0 101.4

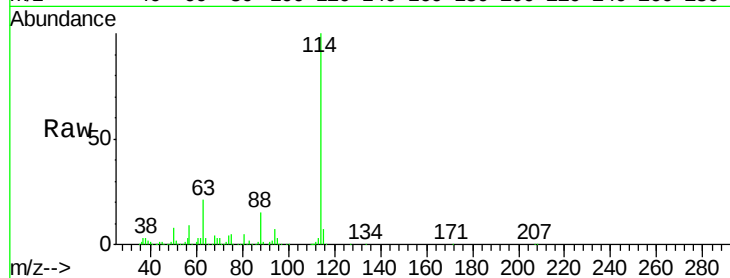




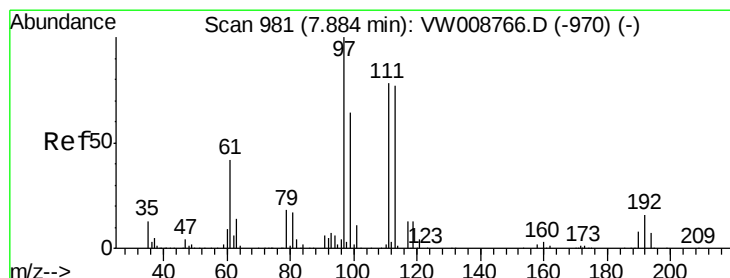
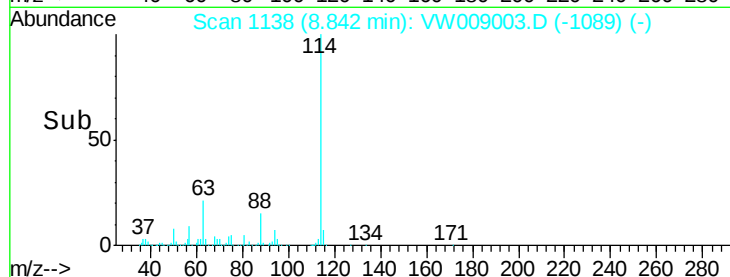
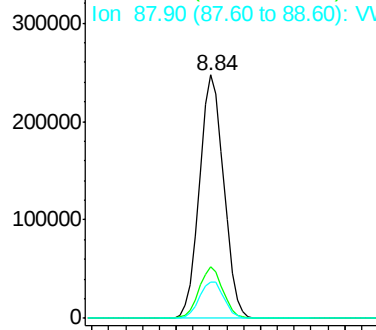
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW009003.D
Acq: 05 Mar 2019 18:10

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:114 Resp: 484297
Ion Ratio Lower Upper
114 100
63 21.3 0.0 40.8
88 15.1 0.0 30.4

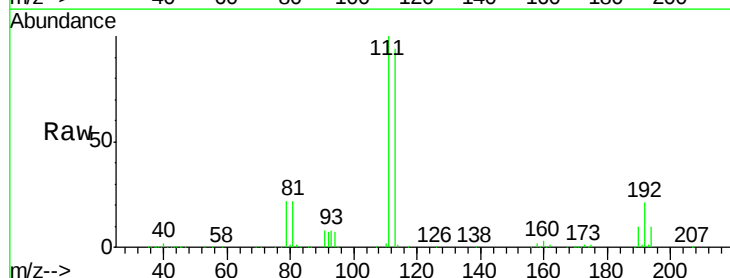


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

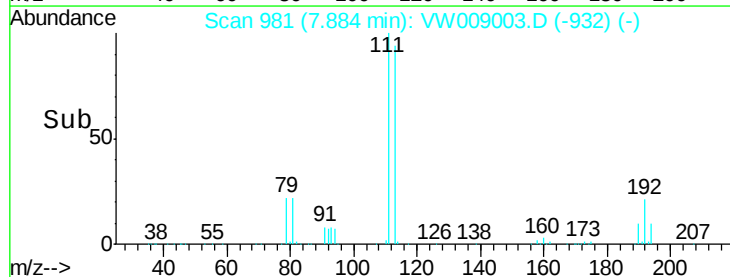
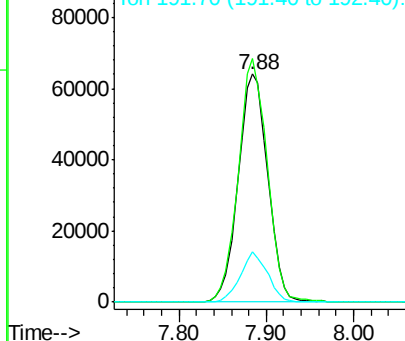


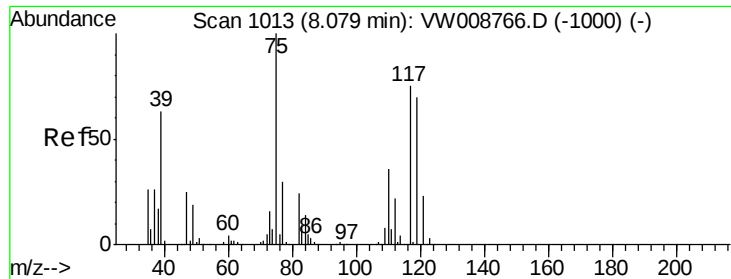
#35
Dibromofluoromethane
Concen: 51.750 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW009003.D
Acq: 05 Mar 2019 18:10

Tgt Ion:113 Resp: 150478
Ion Ratio Lower Upper
113 100
111 104.4 81.9 122.9
192 20.6 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

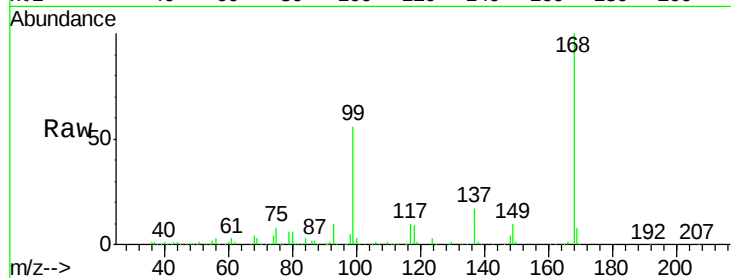




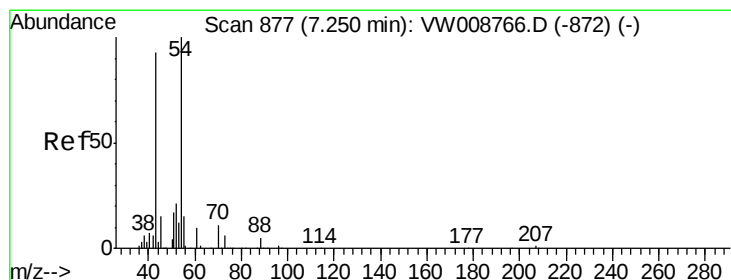
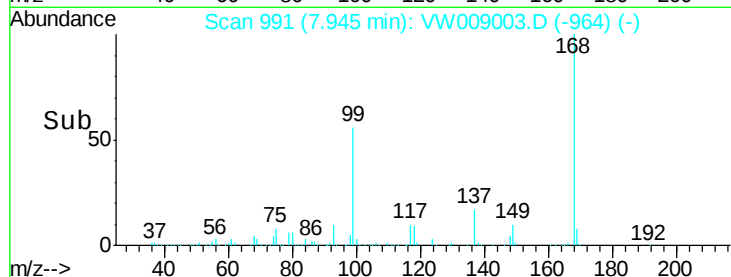
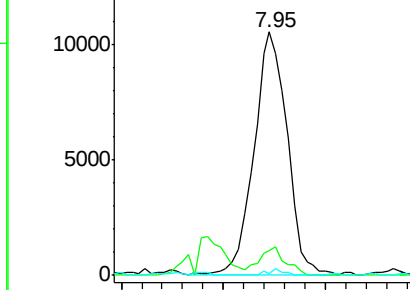
#36
 1,1-Dichloropropene
 Concen: 5.099 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW009003.D
 Acq: 05 Mar 2019 18:10

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion: 75 Resp: 24038
 Ion Ratio Lower Upper
 75 100
 110 9.2 17.5 52.6#
 77 1.2 24.5 36.7#

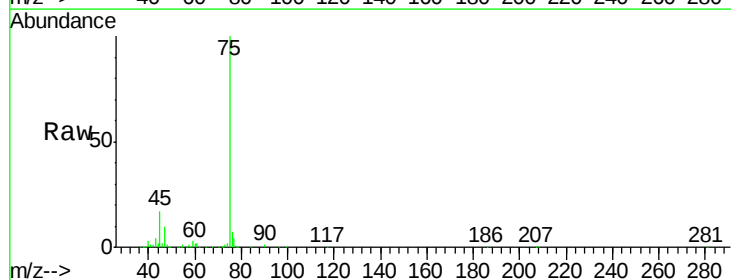


Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW

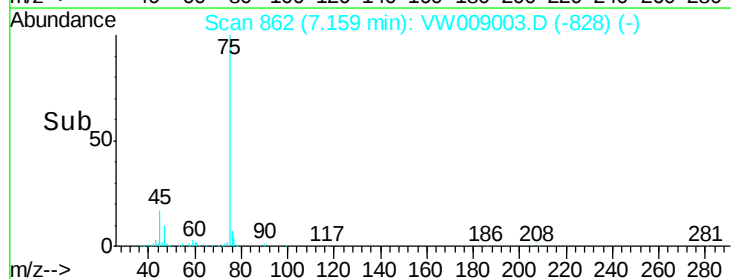
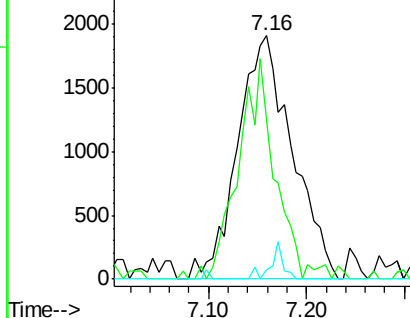


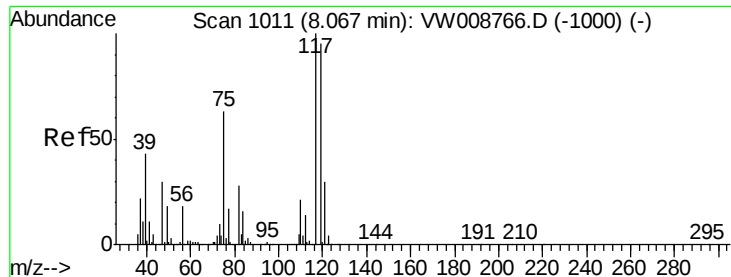
#37
 Ethyl Acetate
 Concen: 3.382 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.09 min
 Lab File: VW009003.D
 Acq: 05 Mar 2019 18:10

Tgt Ion: 43 Resp: 7414
 Ion Ratio Lower Upper
 43 100
 61 59.7 9.8 14.8#
 70 0.5 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: 5.930 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW009003.D

Acq: 05 Mar 2019 18:10

Instrument :

MSVOA_W

ClientSampled :

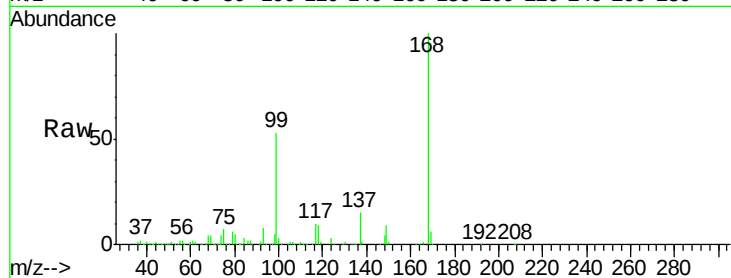
Tot Ion:117 Resp: 29484

Ion Ratio Lower Upper

117 100

119 5.8 76.1 114.1#

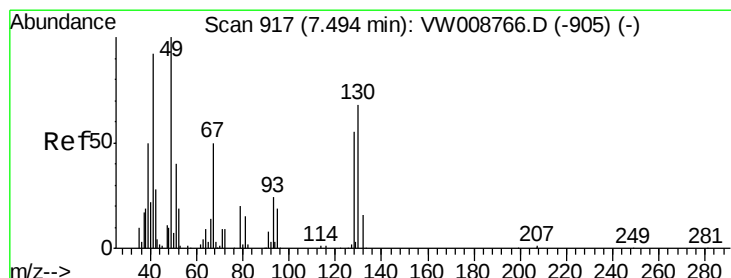
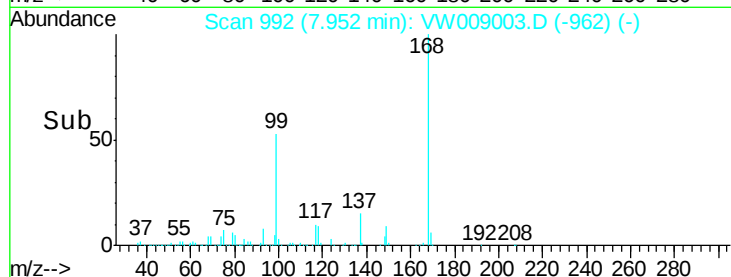
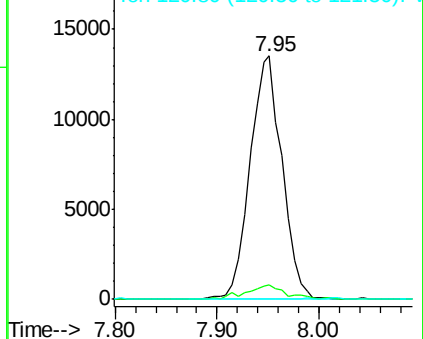
121 0.0 24.0 36.0#



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



#41

Methacrylonitrile

Concen: 1.673 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.05 min

Lab File: VW009003.D

Acq: 05 Mar 2019 18:10

Tgt Ion: 41 Resp: 2156

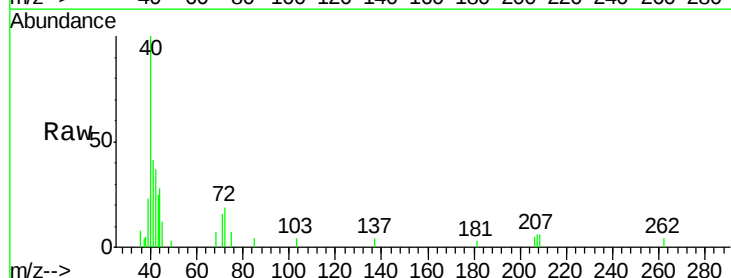
Ion Ratio Lower Upper

41 100

39 48.1 52.5 78.7#

67 0.0 55.0 82.6#

52 1.2 26.9 40.3#

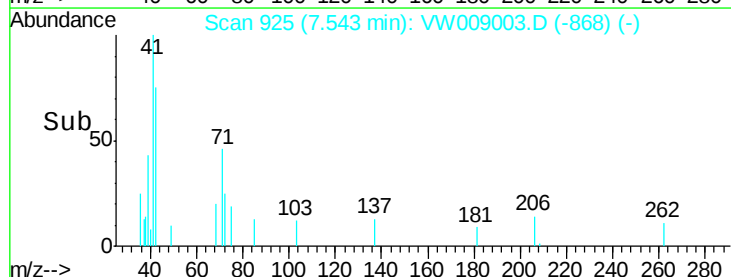
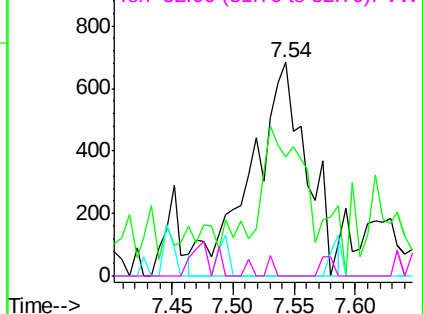


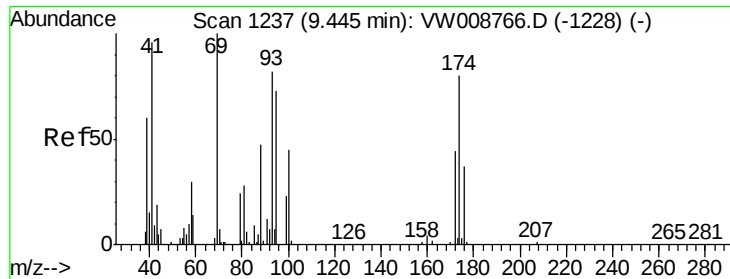
Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW





#49

1,4-Dioxane

Concen: 2.047 ug/l

RT: 9.41 min Scan# 1231

Delta R.T. -0.04 min

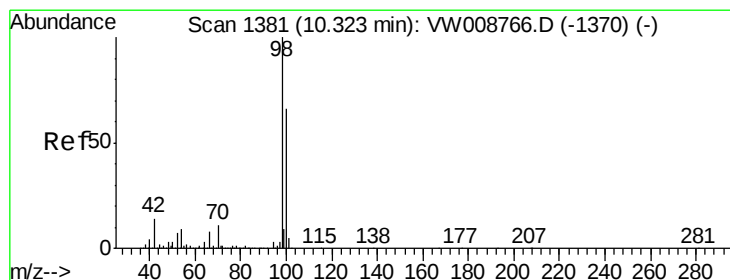
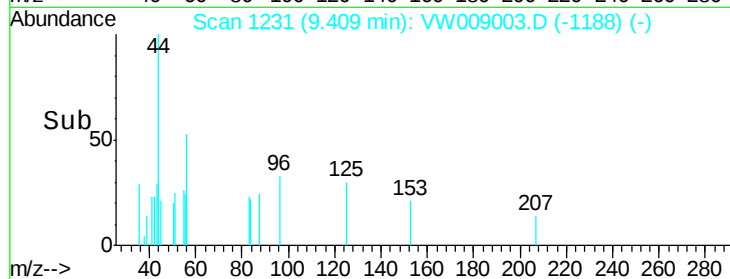
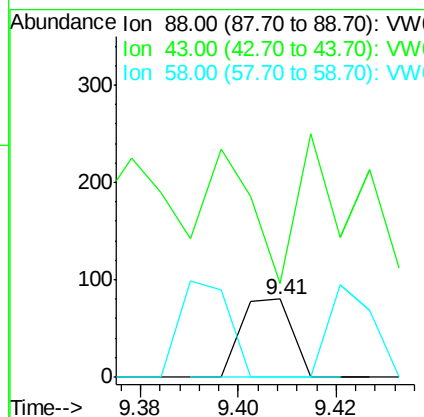
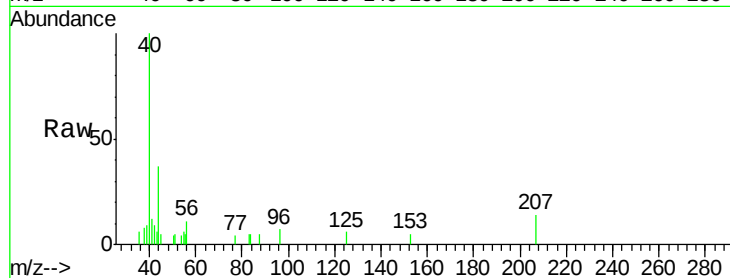
Lab File: VW009003.D

Acq: 05 Mar 2019 18:10

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 88 Resp: 58

Ion	Ratio	Lower	Upper
88	100		
43	256.9	29.0	43.4#
58	103.4	52.0	78.0#



#50

Toluene-d8

Concen: 51.353 ug/l

RT: 10.32 min Scan# 1381

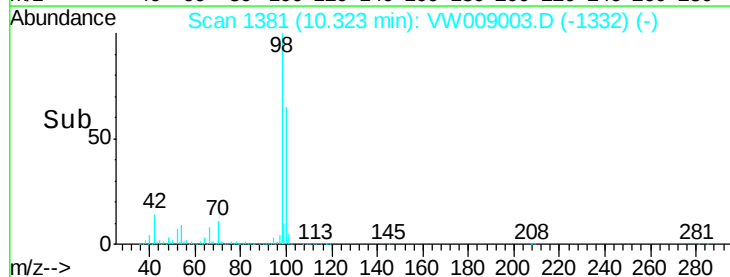
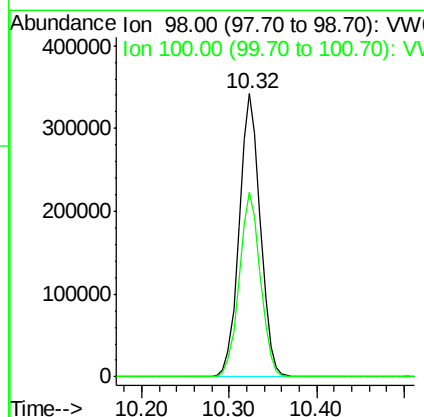
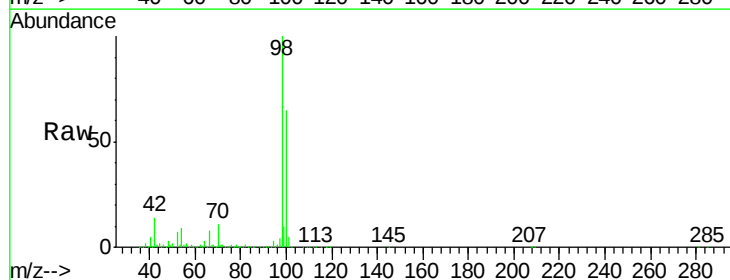
Delta R.T. 0.00 min

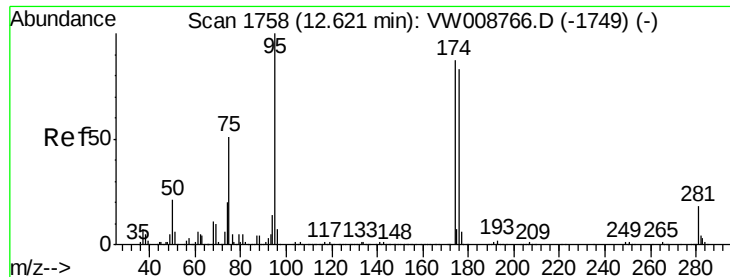
Lab File: VW009003.D

Acq: 05 Mar 2019 18:10

Tgt Ion: 98 Resp: 576433

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.4	78.6

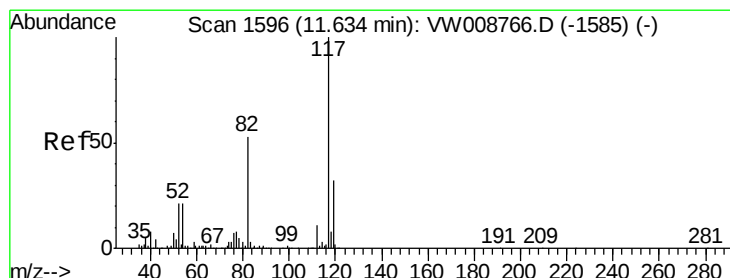
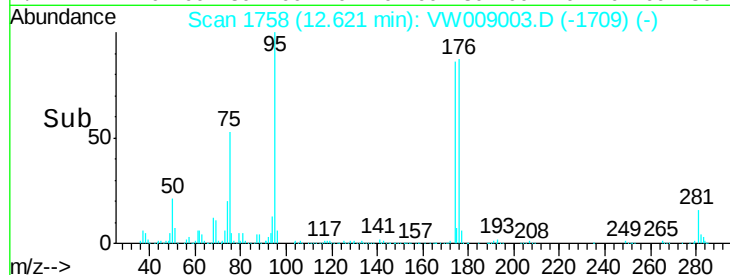
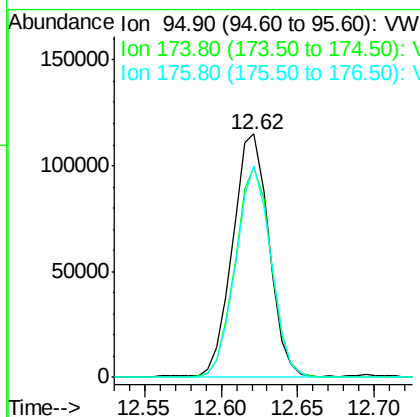
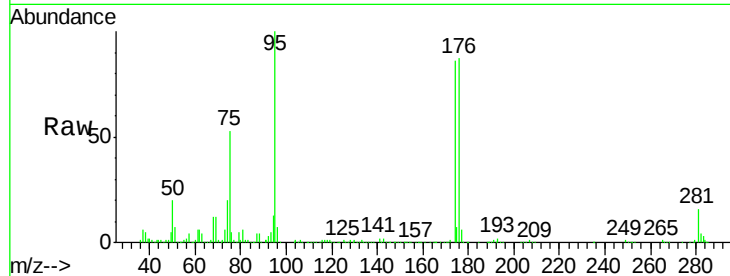




#62
4-Bromofluorobenzene
Concen: 42.740 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW009003.D
Acq: 05 Mar 2019 18:10

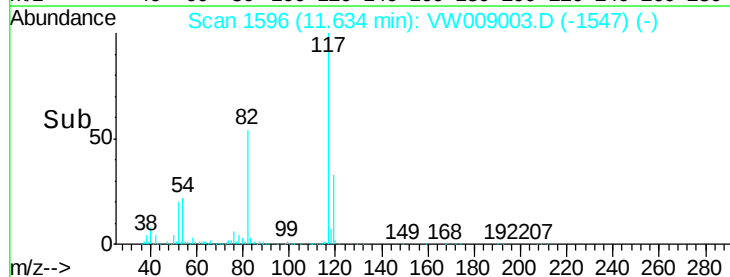
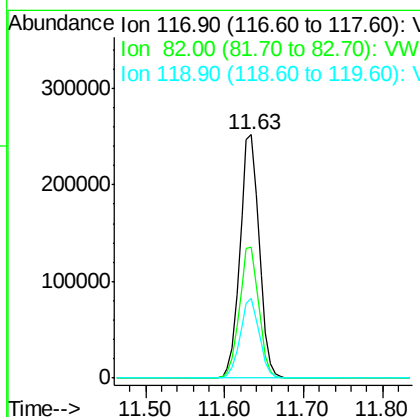
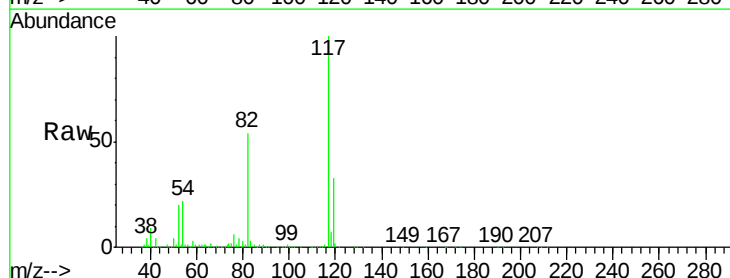
Instrument :
MSVOA_W
ClientSampleId :

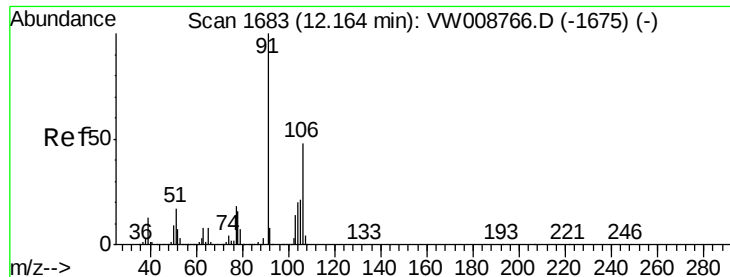
Tot Ion: 95 Resp: 187843
Ion Ratio Lower Upper
95 100
174 86.7 0.0 169.2
176 84.9 0.0 163.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009003.D
Acq: 05 Mar 2019 18:10

Tgt Ion: 117 Resp: 425804
Ion Ratio Lower Upper
117 100
82 53.8 42.2 63.4
119 32.5 25.9 38.9

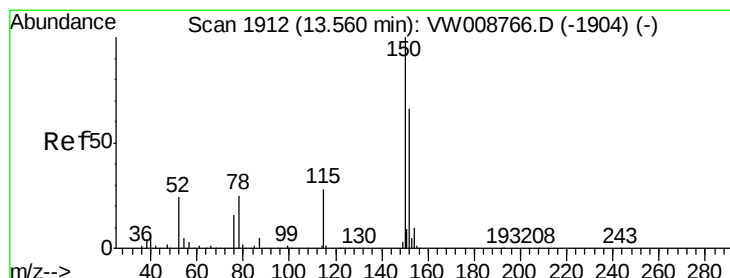
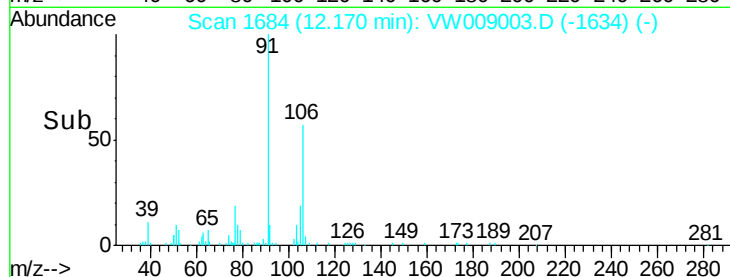
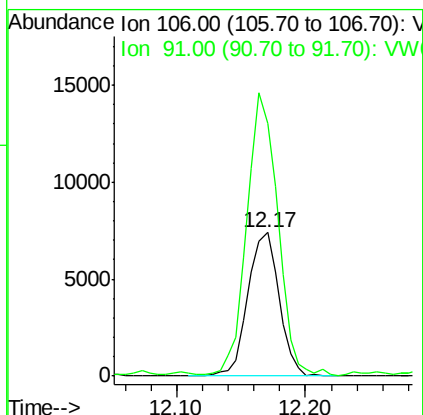
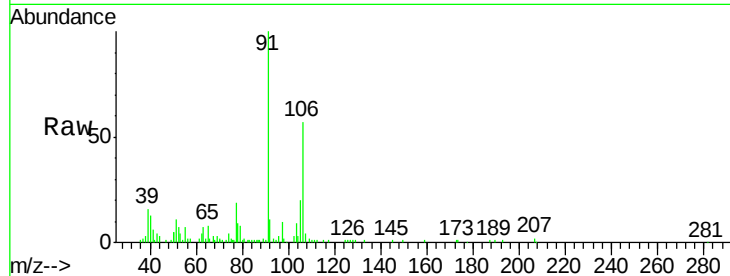




#69
o-Xylene
Concen: 2.059 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW009003.D
Acq: 05 Mar 2019 18:10

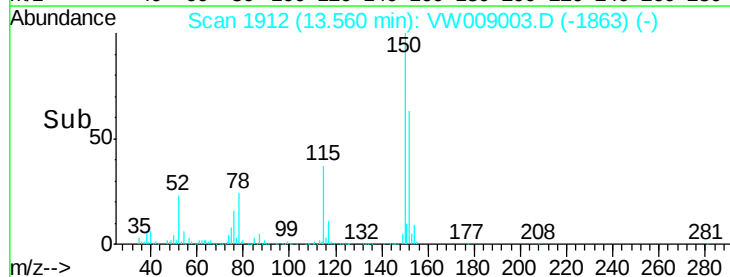
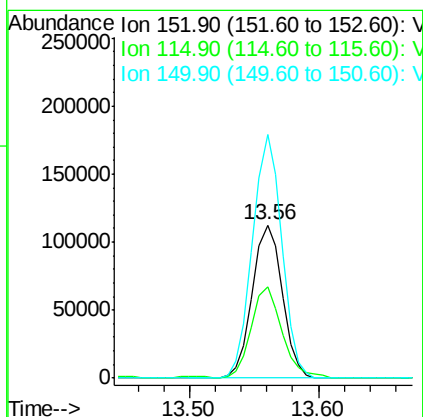
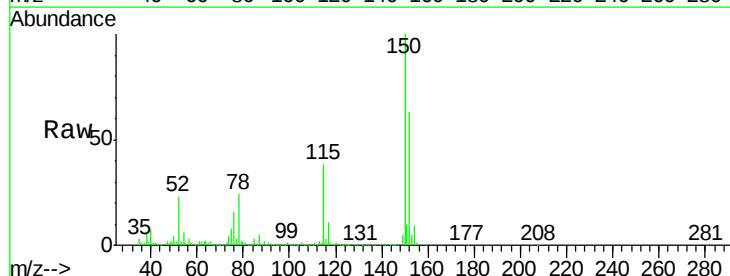
Instrument :
MSVOA_W
ClientSampled :

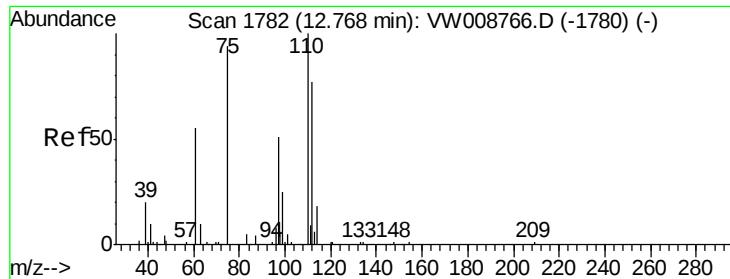
Tot Ion:106 Resp: 12359
Ion Ratio Lower Upper
106 100
91 197.1 106.2 318.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW009003.D
Acq: 05 Mar 2019 18:10

Tgt Ion:152 Resp: 181249
Ion Ratio Lower Upper
152 100
115 60.5 28.6 85.8
150 155.4 0.0 348.0





#76

1,2,3-Trichloropropane

Concen: 67.270 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW009003.D

Acq: 05 Mar 2019 18:10

Instrument :

MSVOA_W

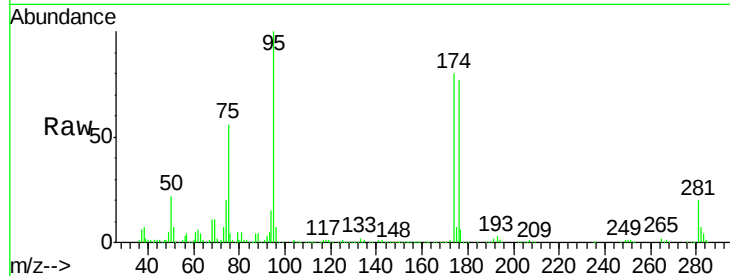
ClientSampleId :

Tot Ion: 75 Resp: 100666

Ion Ratio Lower Upper

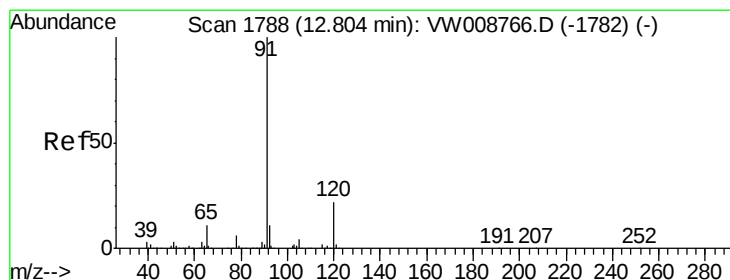
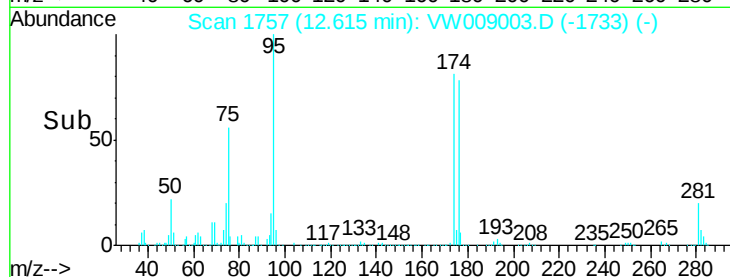
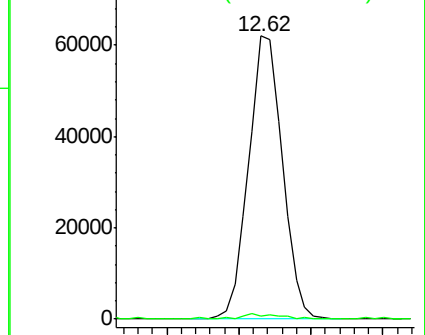
75 100

77 1.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



#78

n-propylbenzene

Concen: 1.766 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW009003.D

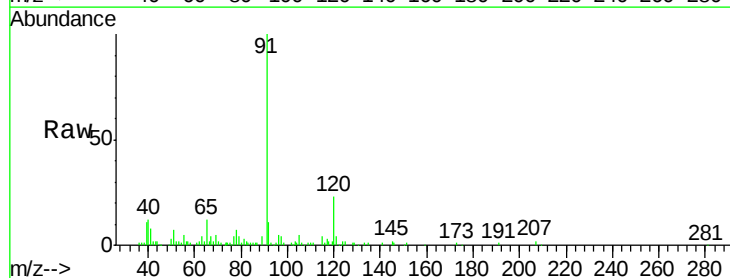
Acq: 05 Mar 2019 18:10

Tgt Ion: 91 Resp: 26837

Ion Ratio Lower Upper

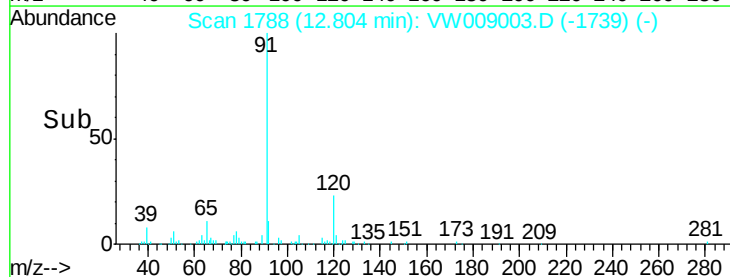
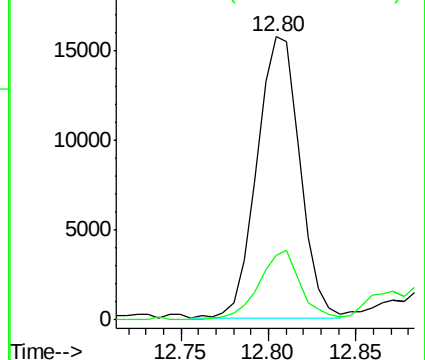
91 100

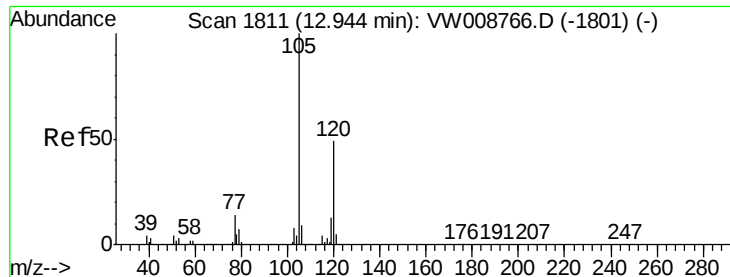
120 24.0 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#80

1,3,5-Trimethylbenzene

Concen: 7.400 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW009003.D

Acq: 05 Mar 2019 18:10

Instrument :

MSVOA_W

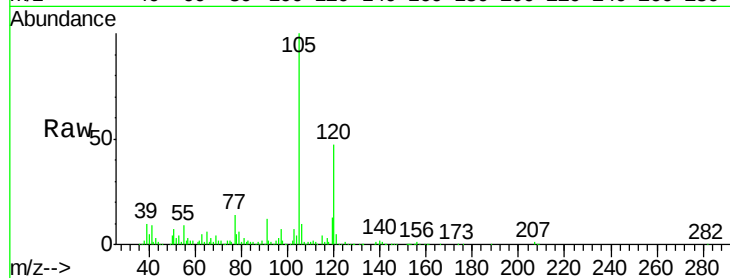
ClientSampled :

Tot Ion:105 Resp: 79902

Ion Ratio Lower Upper

105 100

120 50.2 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.94

60000

50000

40000

30000

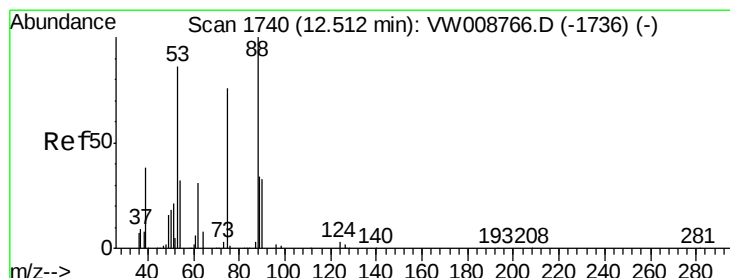
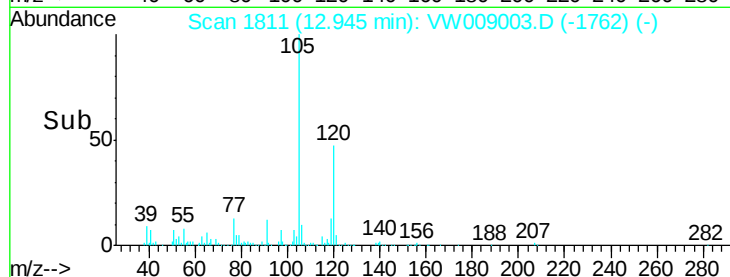
20000

10000

0

Time-->

12.90 12.95 13.00



#81

trans-1,4-Dichloro-2-butene

Concen: 163.538 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW009003.D

Acq: 05 Mar 2019 18:10

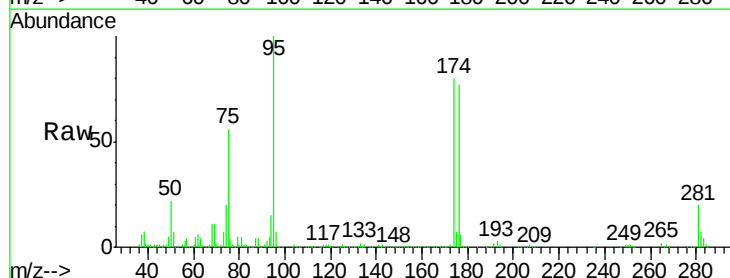
Tgt Ion: 75 Resp: 100666

Ion Ratio Lower Upper

75 100

53 0.3 88.2 132.2#

89 0.3 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

12.62

80000

60000

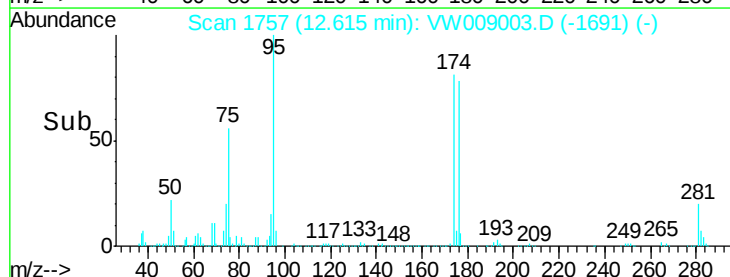
40000

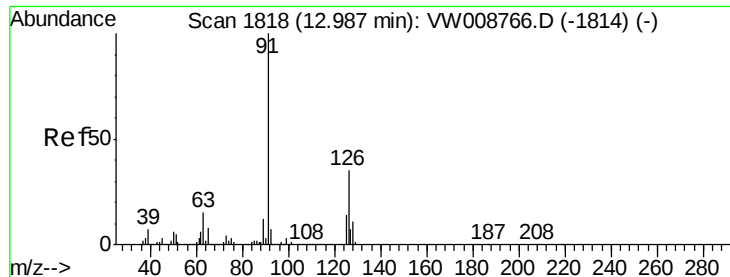
20000

0

Time-->

12.55 12.60 12.65 12.70

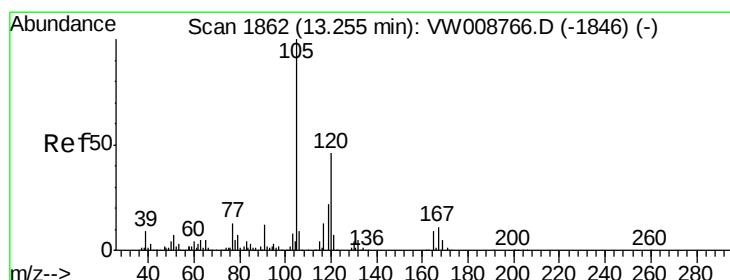
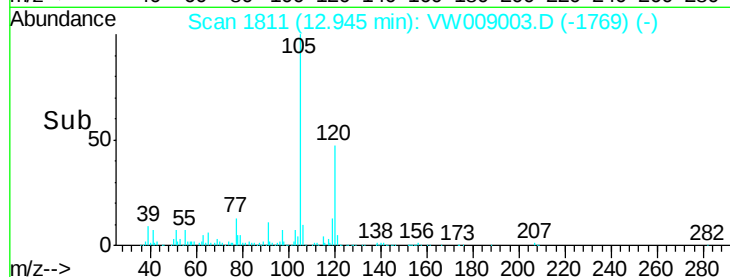
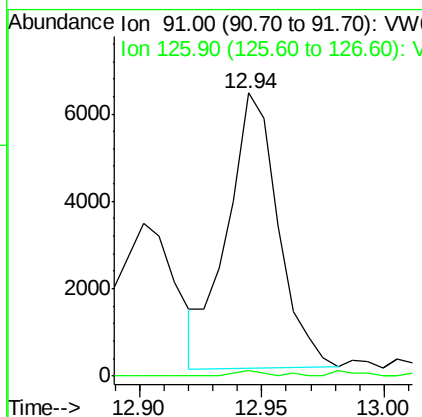
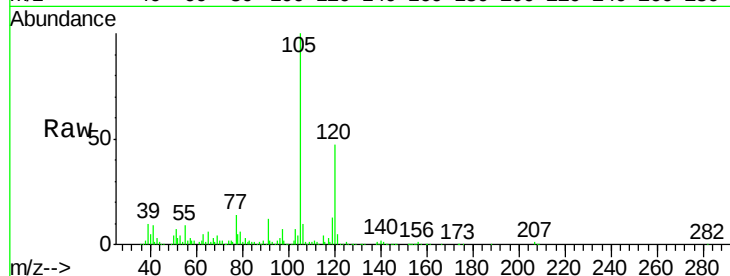




#82
4-Chlorotoluene
Concen: 1.003 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.04 min
Lab File: VW009003.D
Acq: 05 Mar 2019 18:10

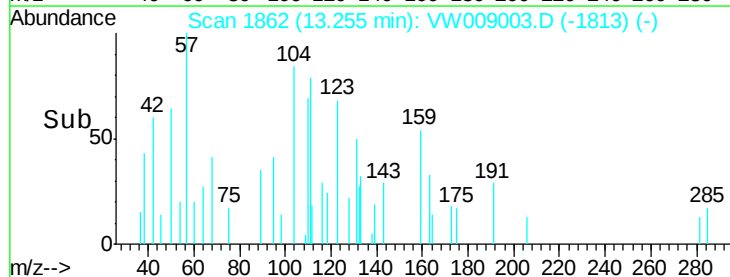
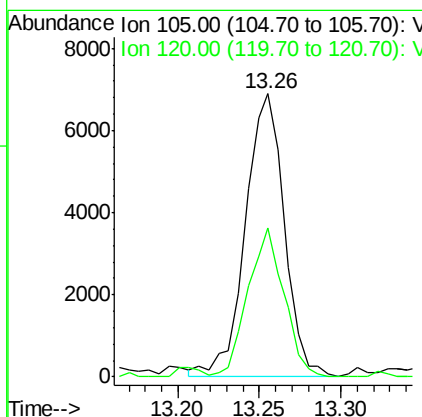
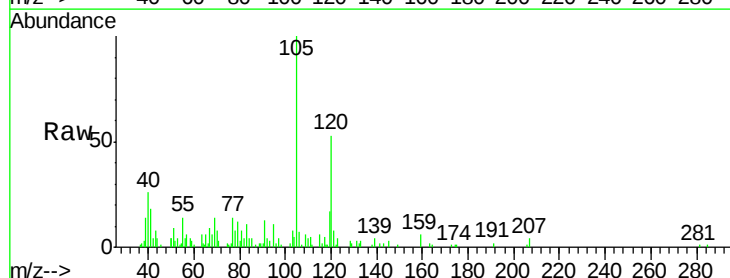
Instrument :
MSVOA_W
ClientSampleId :

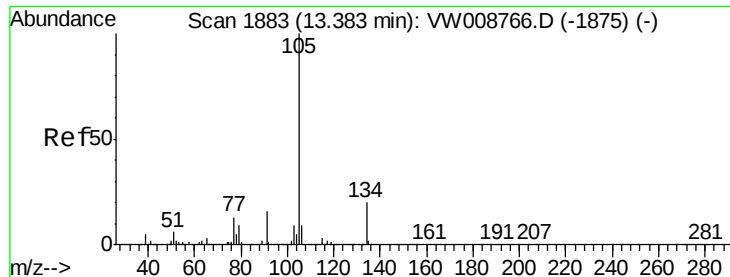
Tot Ion: 91 Resp: 9118
Ion Ratio Lower Upper
91 100
126 1.1 17.2 51.6#



#84
1,2,4-Trimethylbenzene
Concen: 1.024 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW009003.D
Acq: 05 Mar 2019 18:10

Tgt Ion: 105 Resp: 11451
Ion Ratio Lower Upper
105 100
120 48.7 22.8 68.4





#85

sec-Butylbenzene

Concen: 1.319 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.01 min

Lab File: VW009003.D

Acq: 05 Mar 2019 18:10

Instrument :

MSVOA_W

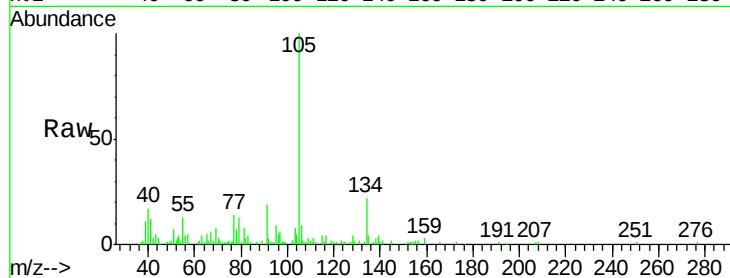
ClientSampled :

Tot Ion:105 Resp: 17702

Ion Ratio Lower Upper

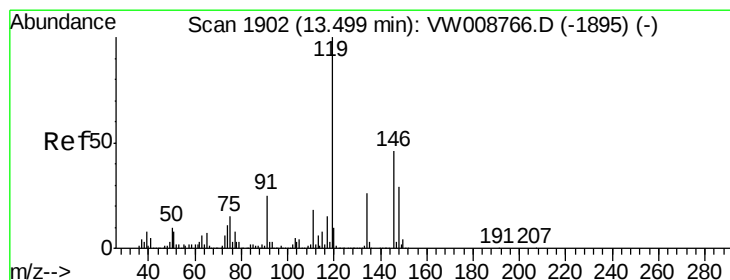
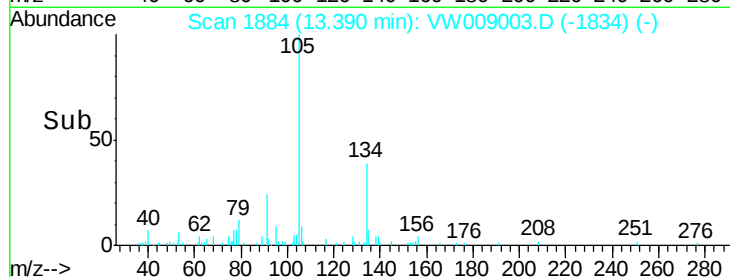
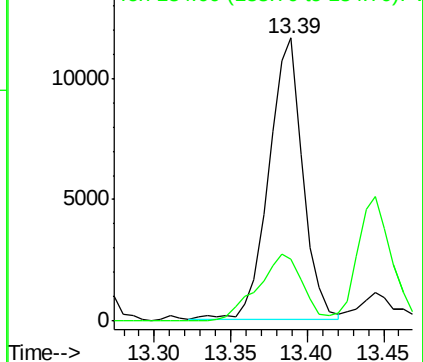
105 100

134 31.8 10.4 31.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 1.369 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009003.D

Acq: 05 Mar 2019 18:10

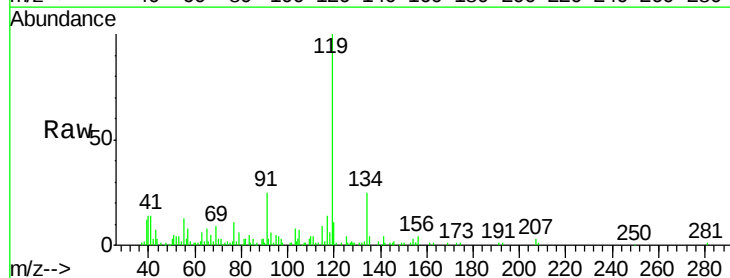
Tgt Ion:119 Resp: 16850

Ion Ratio Lower Upper

119 100

134 27.8 13.1 39.3

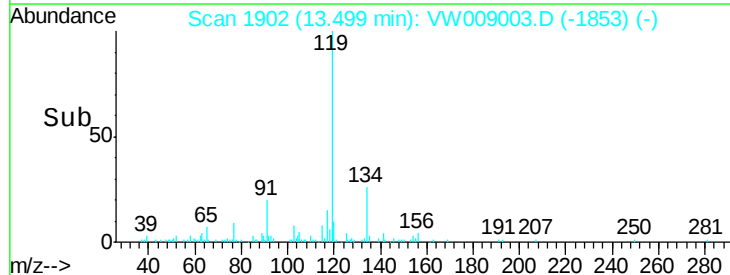
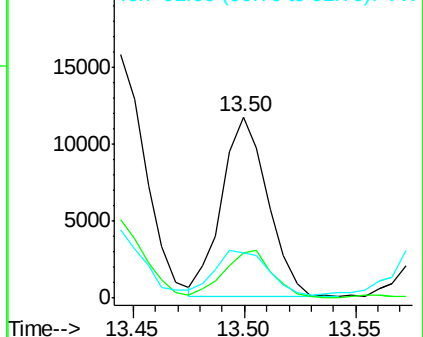
91 28.5 12.1 36.3

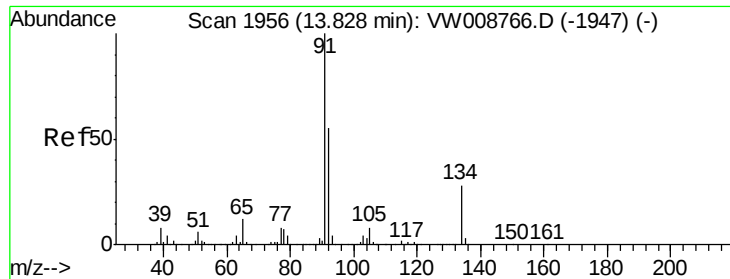


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#89

n-Butylbenzene

Concen: 1.801 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.01 min

Lab File: VW009003.D

Acq: 05 Mar 2019 18:10

Instrument :

MSVOA_W

ClientSampleId :

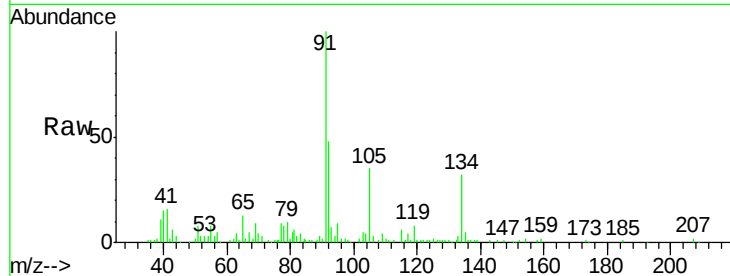
Tot Ion: 91 Resp: 20762

Ion Ratio Lower Upper

91 100

92 56.9 26.8 80.4

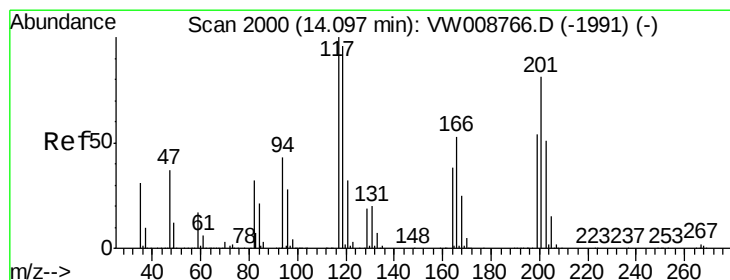
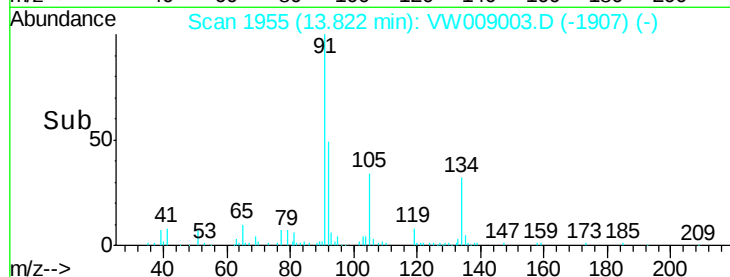
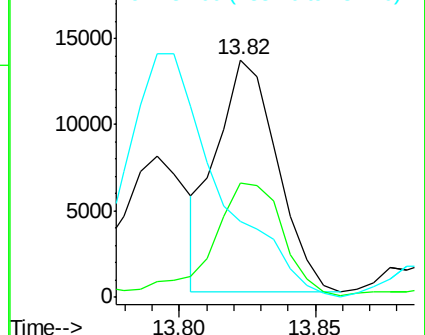
134 0.0 13.5 40.4#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 2.524 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.01 min

Lab File: VW009003.D

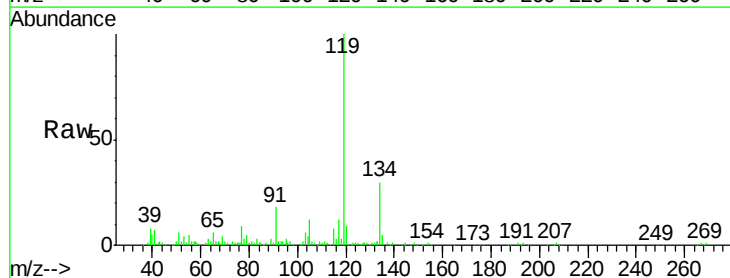
Acq: 05 Mar 2019 18:10

Tgt Ion: 117 Resp: 5085

Ion Ratio Lower Upper

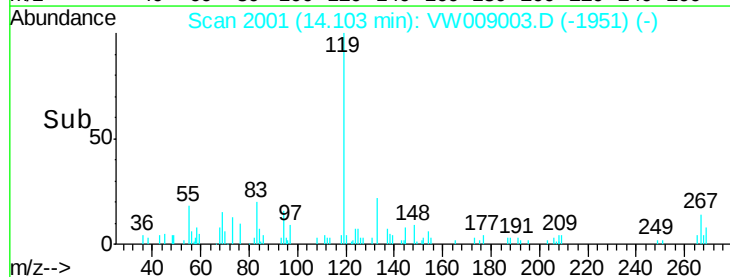
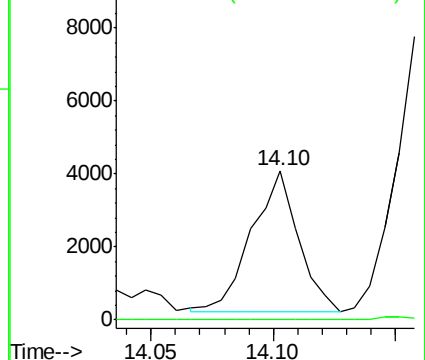
117 100

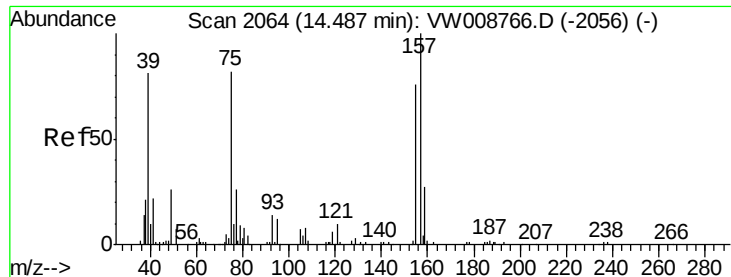
201 0.0 40.3 120.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.163 ug/l

RT: 14.50 min Scan# 2066

Delta R.T. 0.01 min

Lab File: VW009003.D

Acq: 05 Mar 2019 18:10

Instrument :

MSVOA_W

ClientSampleId :

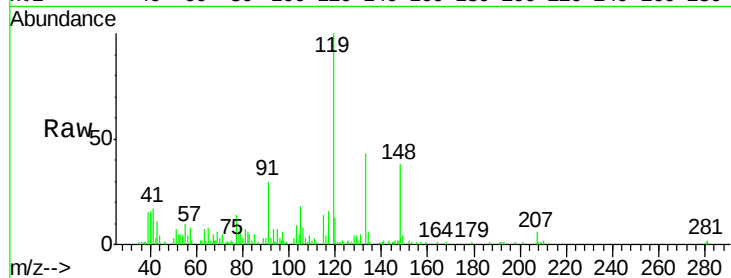
Tot Ion: 75 Resp: 427

Ion Ratio Lower Upper

75 100

155 11.5 41.8 125.4#

157 28.3 56.6 169.9#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

