

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030519\
 Data File : VW009001.D
 Acq On : 05 Mar 2019 17:16
 Operator : SY/VA
 Sample : K1688-03RE
 Misc : 6.96G/5ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 06 06:51:45 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	302441	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	475096	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	398817	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	150258	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	174283	61.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.88%	
35) Dibromofluoromethane	7.88	113	146655	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	
50) Toluene-d8	10.32	98	551793	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	
62) 4-Bromofluorobenzene	12.62	95	171795	39.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.70%	

Target Compounds

					Qvalue	
8) Diethyl Ether	3.69	74	1855	1.187	ug/l	71
11) Tert butyl alcohol	5.18	59	822	3.255	ug/l #	86
13) Acrolein	3.88	56	180	20.402	ug/l	100
16) Acetone	4.13	43	31283	47.578	ug/l	97
18) Methyl Acetate	4.68	43	1642	1.053	ug/l #	70
20) Methylene Chloride	4.92	84	24509	2.737	ug/l	89
25) 2-Butanone	7.15	43	4764	5.183	ug/l #	88
26) 2,2-Dichloropropane	7.14	77	7620	1.589	ug/l #	55
29) Tetrahydrofuran	7.55	42	2419	4.129	ug/l #	35
31) Cyclohexane	7.95	56	9654	1.805	ug/l #	56
36) 1,1-Dichloropropene	7.94	75	23867	5.161	ug/l #	49
38) Carbon Tetrachloride	7.94	117	29401	6.028	ug/l #	16
49) 1,4-Dioxane	9.45	88	89	3.202	ug/l #	1
51) 4-Methyl-2-Pentanone	10.21	43	4179	1.918	ug/l	97
52) Toluene	10.38	92	37117	4.331	ug/l	97
55) 1,1,2-Trichloroethane	10.76	97	3053	1.297	ug/l #	19
67) Ethyl Benzene	11.73	91	39105	2.609	ug/l	98
68) m/p-Xylenes	11.84	106	67880	11.333	ug/l	100
69) o-Xylene	12.16	106	48880	8.694	ug/l	97
73) Isopropylbenzene	12.46	105	25975	2.522	ug/l	99
74) N-amyl acetate	12.25	43	5447	2.099	ug/l #	52
76) 1,2,3-Trichloropropane	12.62	75	92797	74.801	ug/l #	100
78) n-propylbenzene	12.80	91	86283	6.848	ug/l	100
79) 2-Chlorotoluene	12.90	91	14652	2.048	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.94	105	225543	25.196	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.62	75	92797	181.848	ug/l #	6
82) 4-Chlorotoluene	12.94	91	24632	3.267	ug/l #	42
84) 1,2,4-Trimethylbenzene	13.26	105	546254	58.950	ug/l	99
85) sec-Butylbenzene	13.38	105	36518	3.281	ug/l	80
86) p-Isopropyltoluene	13.50	119	49495	4.851	ug/l	99
89) n-Butylbenzene	13.82	91	51645	5.403	ug/l #	74
90) Hexachloroethane	14.10	117	19104	11.438	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.49	75	834	2.739	ug/l #	5
95) Naphthalene	15.37	128	45471	8.237	ug/l	96

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QLast Update : Fri Feb 22 00:38:32 2019
Response via : Initial Calibration

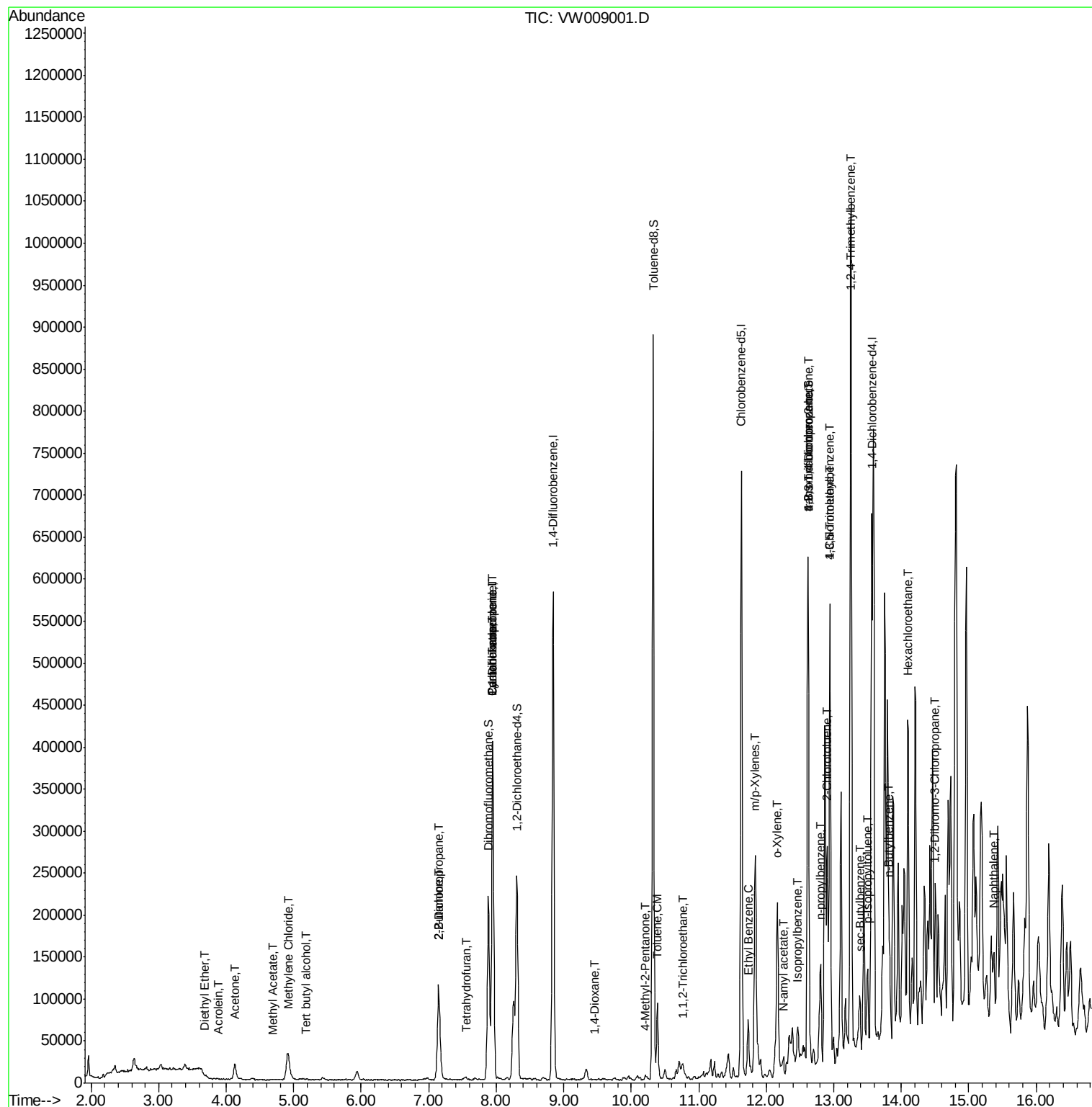
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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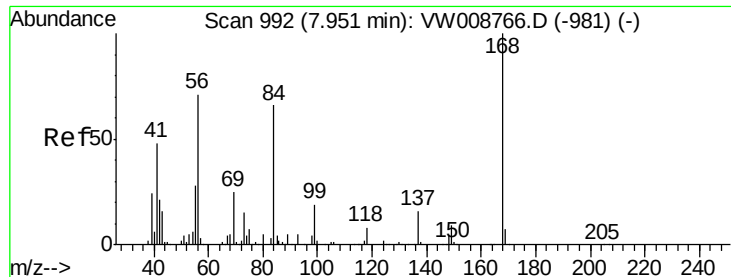
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW009001.D

Acq: 05 Mar 2019 17:16

Instrument :

MSVOA_W

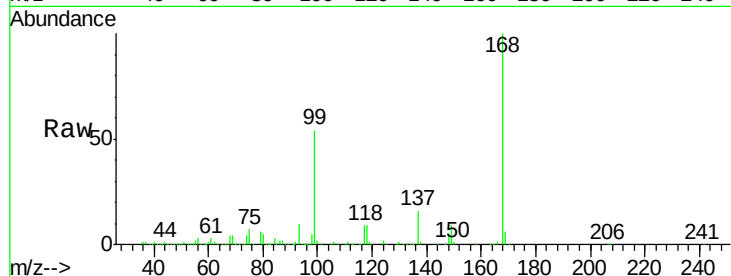
ClientSampled :

Tot Ion:168 Resp: 302441

Ion Ratio Lower Upper

168 100

99 54.1 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

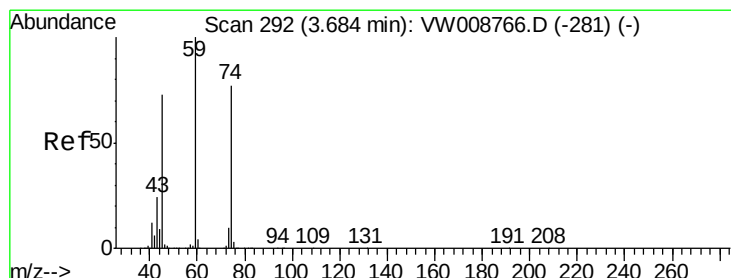
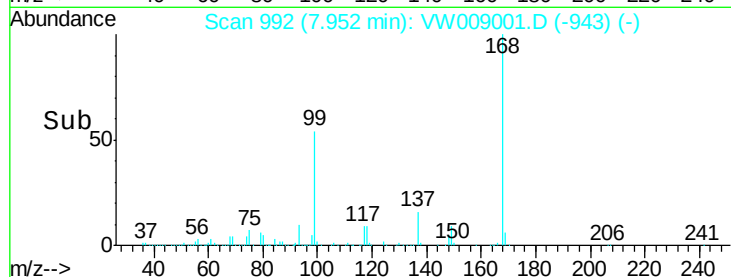
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.187 ug/l

RT: 3.69 min Scan# 293

Delta R.T. 0.01 min

Lab File: VW009001.D

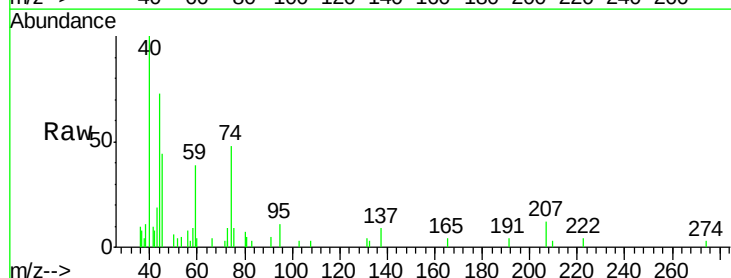
Acq: 05 Mar 2019 17:16

Tgt Ion: 74 Resp: 1855

Ion Ratio Lower Upper

74 100

45 129.6 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

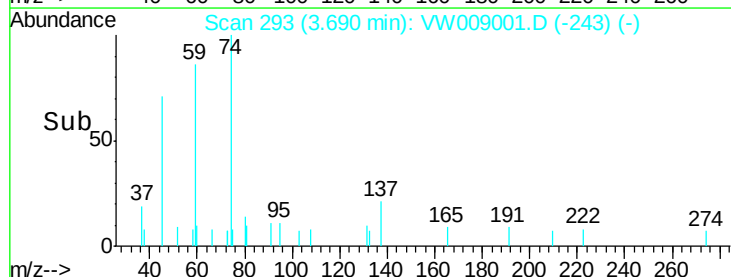
600

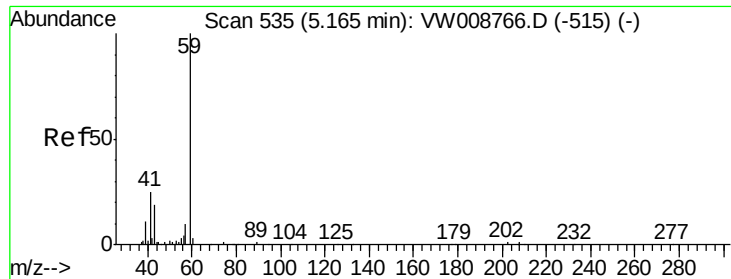
400

200

0

Time-->

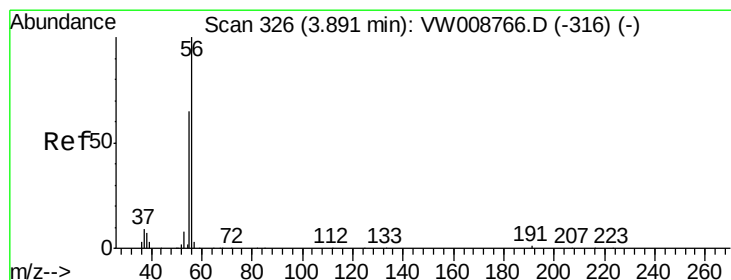
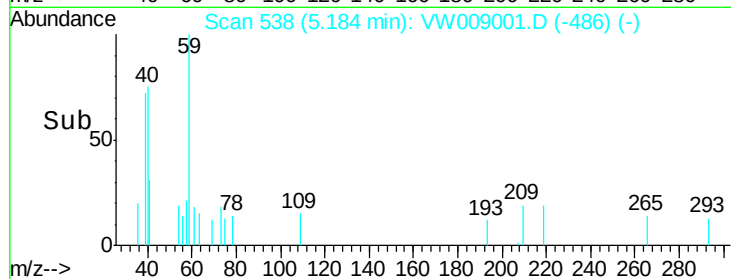
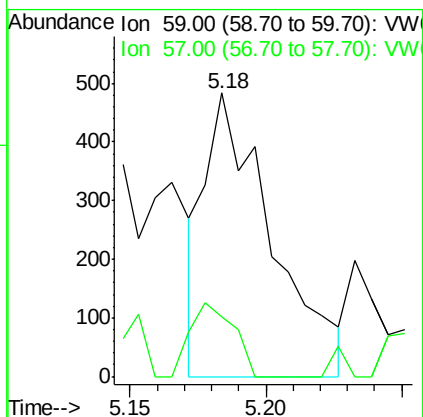
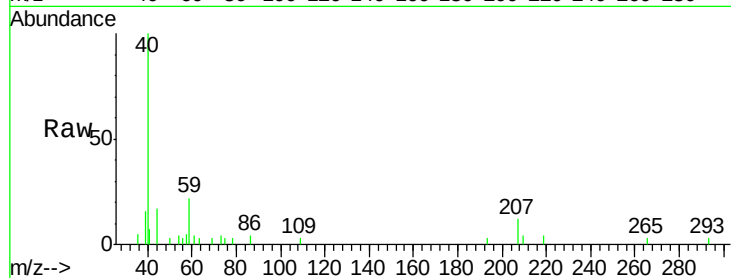




#11
Tert butyl alcohol
Concen: 3.255 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.02 min
Lab File: VW009001.D
Acq: 05 Mar 2019 17:16

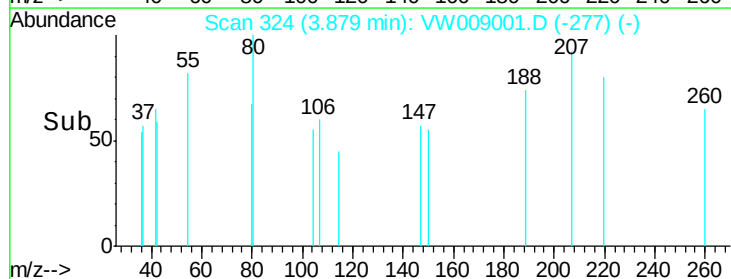
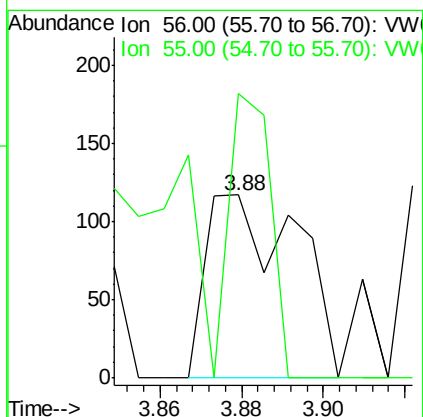
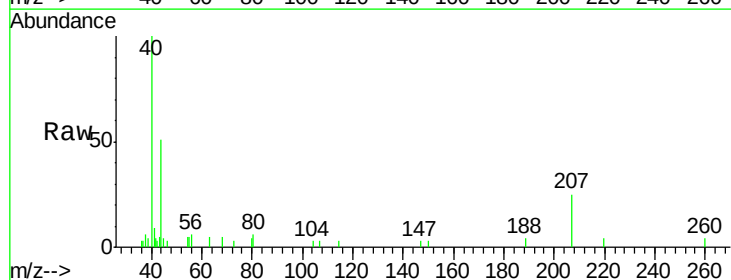
Instrument :
MSVOA_W
ClientSampled :

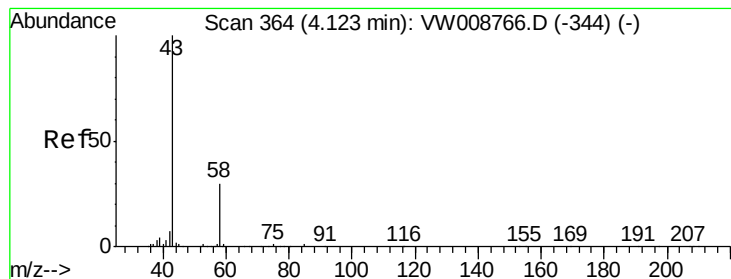
Tot Ion: 59 Resp: 822
Ion Ratio Lower Upper
59 100
57 17.0 9.3 13.9#



#13
Acrolein
Concen: 20.402 ug/l
RT: 3.88 min Scan# 324
Delta R.T. -0.01 min
Lab File: VW009001.D
Acq: 05 Mar 2019 17:16

Tgt Ion: 56 Resp: 180
Ion Ratio Lower Upper
56 100
55 71.1 56.9 85.3





#16

Acetone

Concen: 47.578 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW009001.D

Acq: 05 Mar 2019 17:16

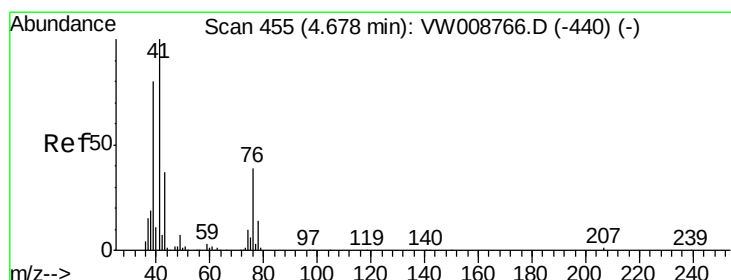
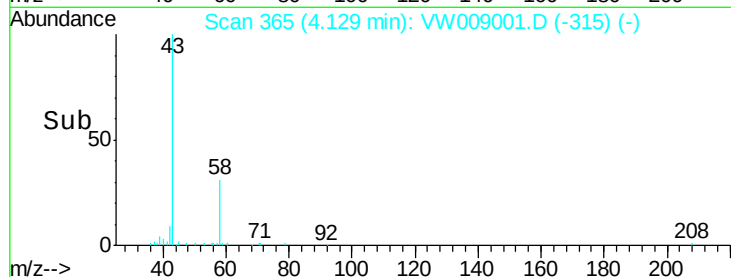
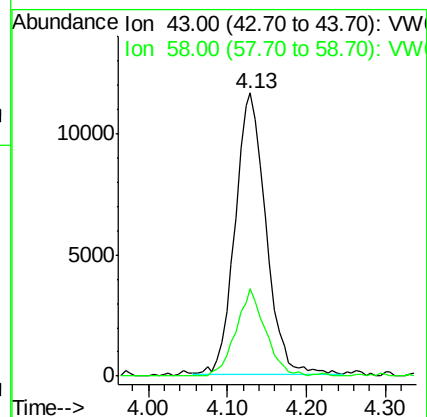
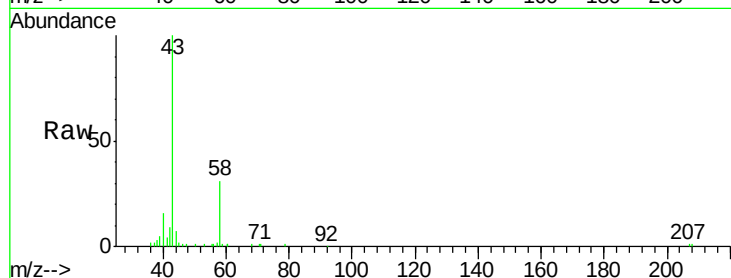
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 31283

Ion Ratio Lower Upper

43 100

58 31.3 23.8 35.6



#18

Methyl Acetate

Concen: 1.053 ug/l

RT: 4.68 min Scan# 456

Delta R.T. 0.01 min

Lab File: VW009001.D

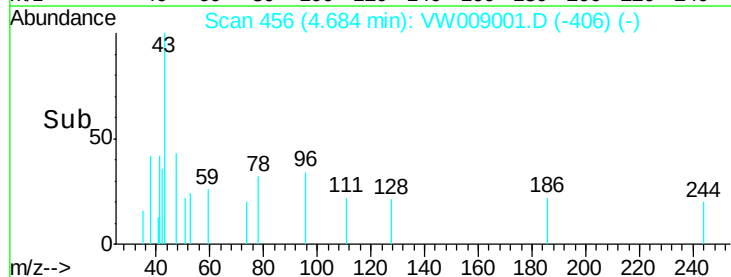
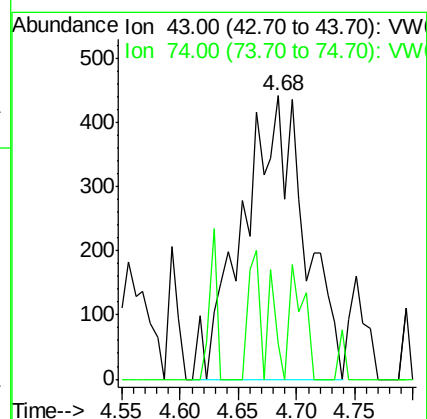
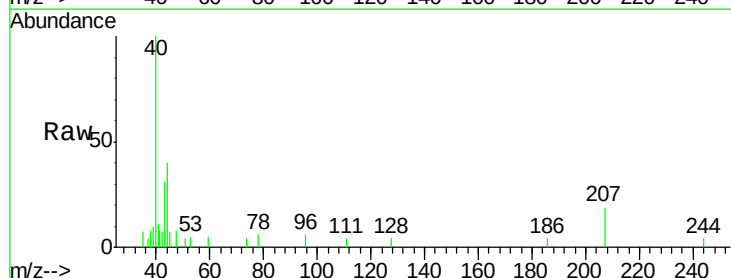
Acq: 05 Mar 2019 17:16

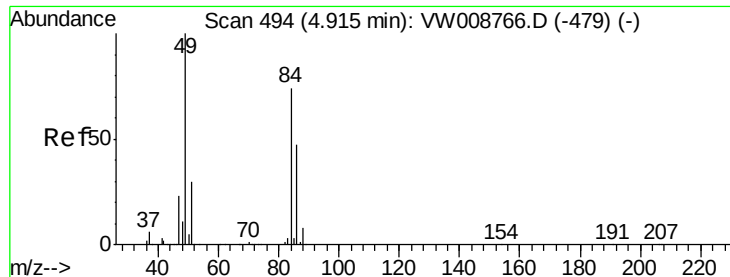
Tgt Ion: 43 Resp: 1642

Ion Ratio Lower Upper

43 100

74 9.3 19.4 29.2#

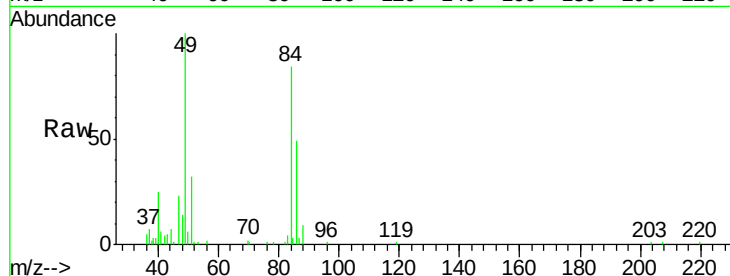




#20
Methylene Chloride
Concen: 2.737 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW009001.D
Acq: 05 Mar 2019 17:16

Instrument :
MSVOA_W
ClientSampled :

Tot Ion	84	Resp	24509
Ion	Ratio	Lower	Upper
84	100		
49	116.9	108.2	162.2
51	38.4	32.7	49.1
86	58.4	50.3	75.5

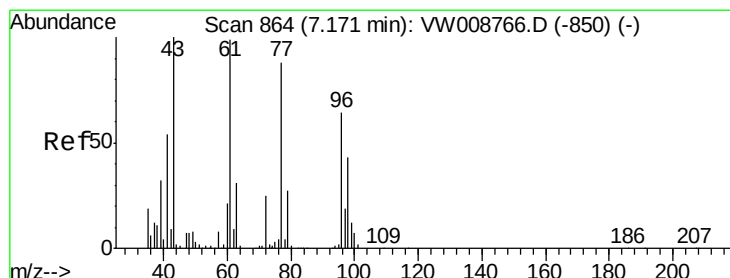
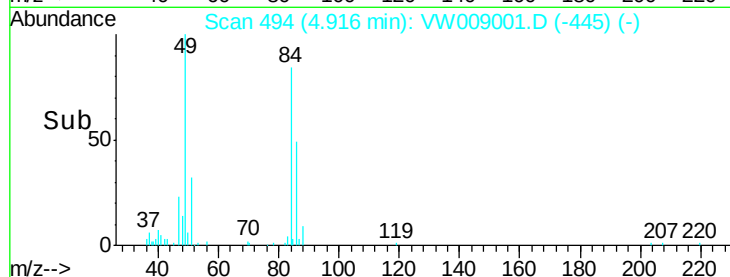
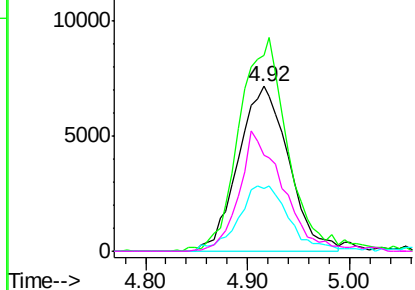


Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

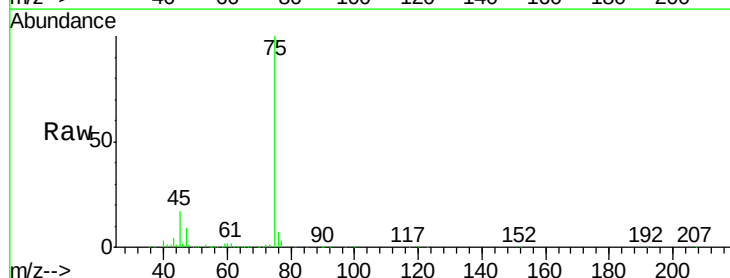
Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



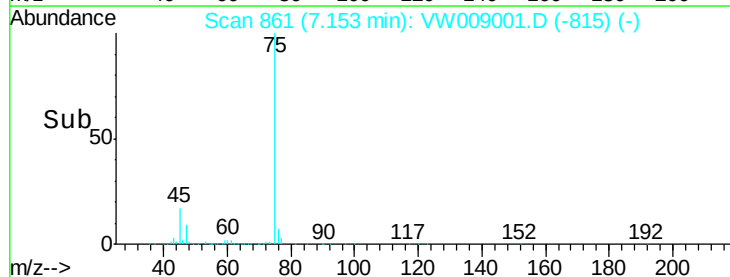
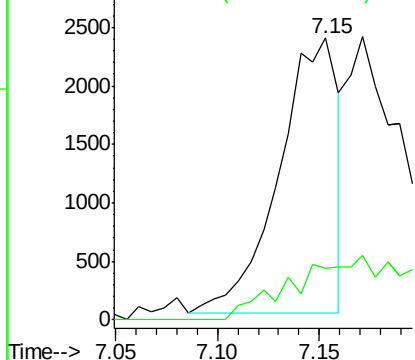
#25
2-Butanone
Concen: 5.183 ug/l
RT: 7.15 min Scan# 861
Delta R.T. -0.02 min
Lab File: VW009001.D
Acq: 05 Mar 2019 17:16

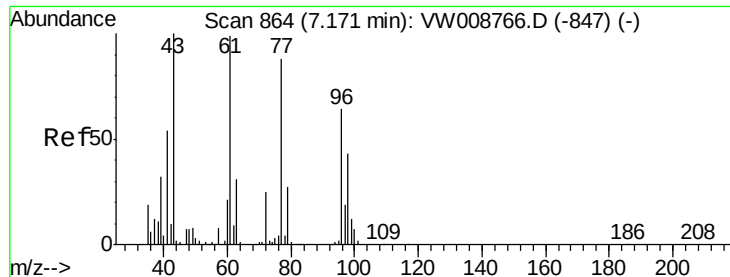
Tgt Ion	43	Resp	4764
Ion	Ratio	Lower	Upper
43	100		
72	18.6	19.7	29.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

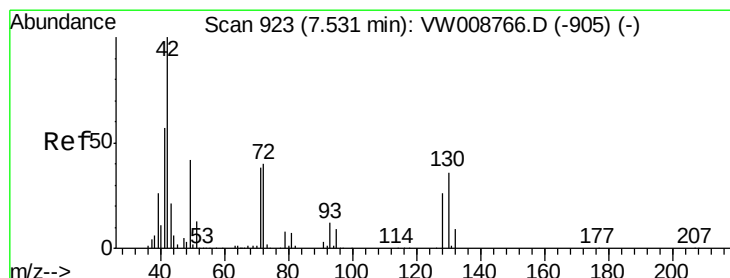
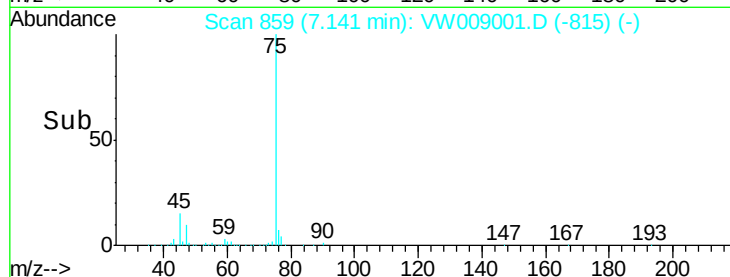
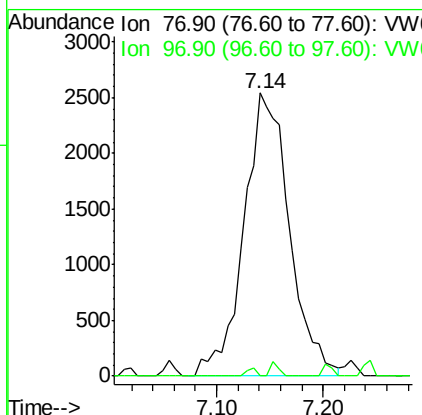
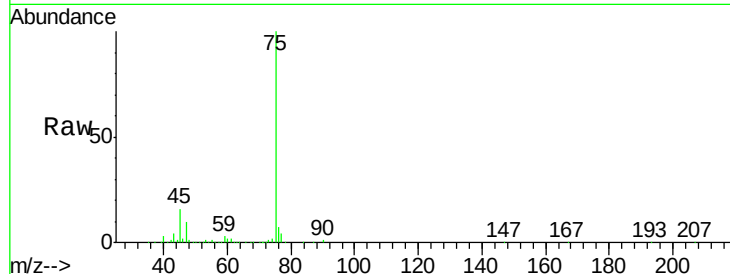




#26
 2,2-Dichloropropane
 Concen: 1.589 ug/l
 RT: 7.14 min Scan# 859
 Delta R.T. -0.03 min
 Lab File: VW009001.D
 Acq: 05 Mar 2019 17:16

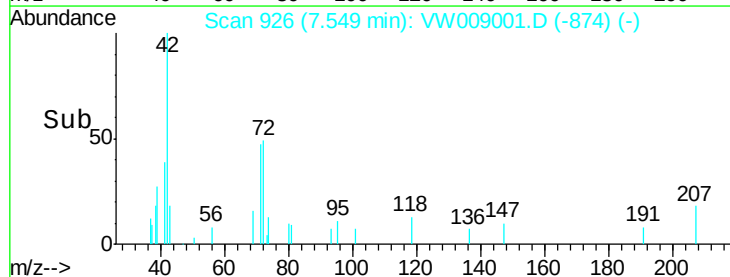
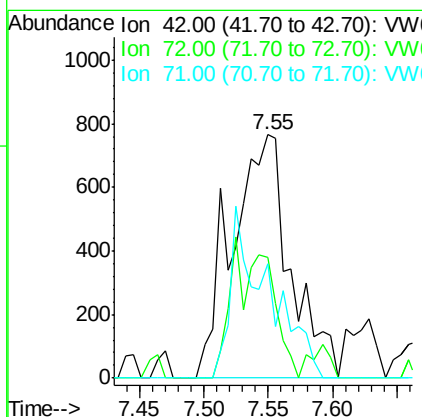
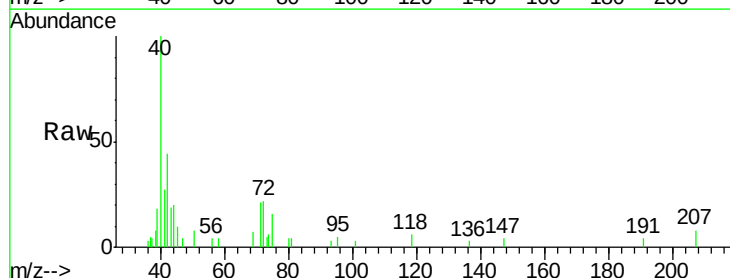
Instrument :
 MSVOA_W
 ClientSampleID :

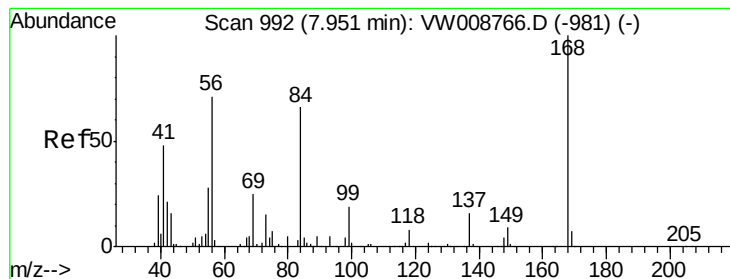
Tot Ion: 77 Resp: 7620
 Ion Ratio Lower Upper
 77 100
 97 0.6 11.0 33.0#



#29
 Tetrahydrofuran
 Concen: 4.129 ug/l
 RT: 7.55 min Scan# 926
 Delta R.T. 0.02 min
 Lab File: VW009001.D
 Acq: 05 Mar 2019 17:16

Tgt Ion: 42 Resp: 2419
 Ion Ratio Lower Upper
 42 100
 72 0.0 32.7 49.1#
 71 0.0 31.3 46.9#





#31

Cyclohexane

Concen: 1.805 ug/l

RT: 7.95 min Scan# 991

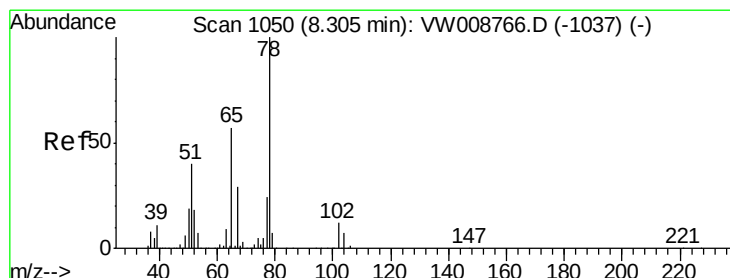
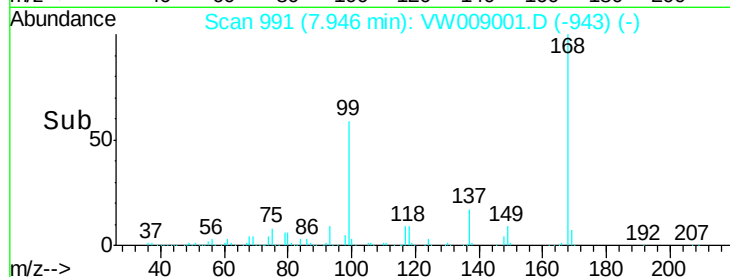
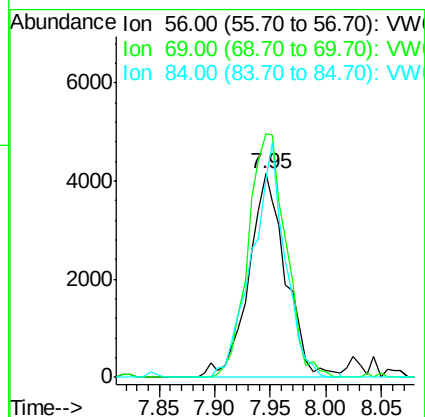
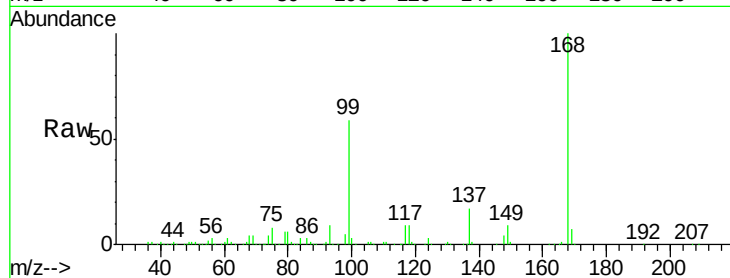
Delta R.T. -0.01 min

Lab File: VW009001.D

Acq: 05 Mar 2019 17:16

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 9654
Ion Ratio Lower Upper
56 100
69 119.7 28.2 42.4#
84 97.8 74.1 111.1



#33

1,2-Dichloroethane-d4

Concen: 61.440 ug/l

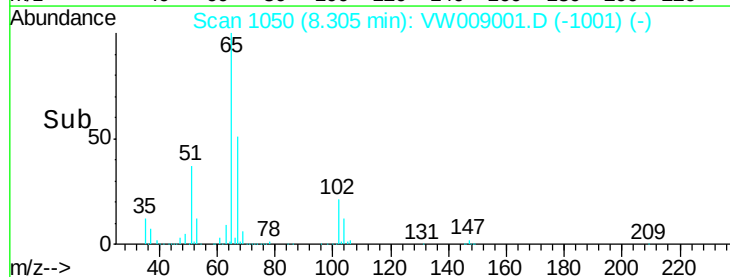
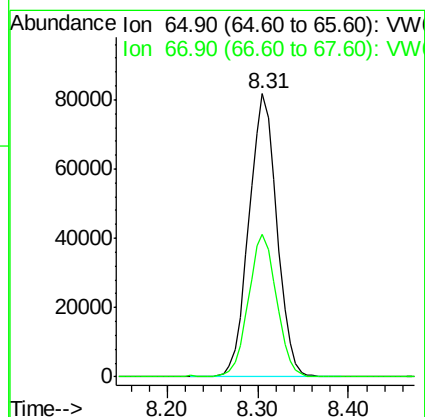
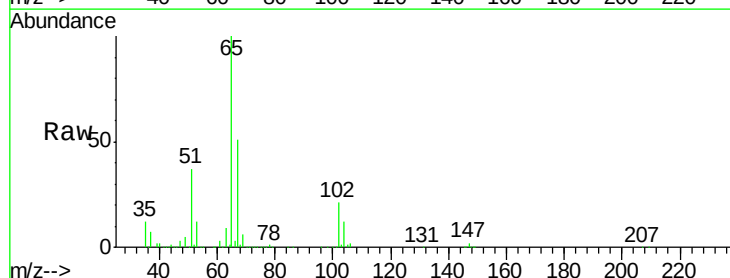
RT: 8.31 min Scan# 1050

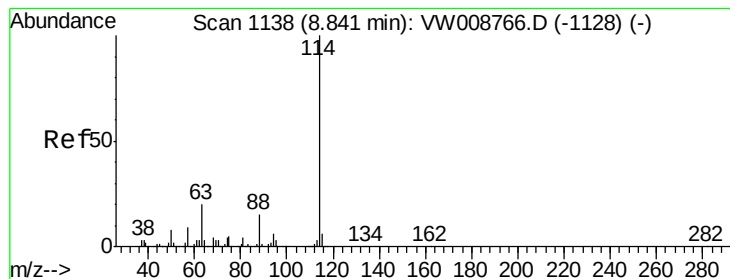
Delta R.T. 0.00 min

Lab File: VW009001.D

Acq: 05 Mar 2019 17:16

Tgt Ion: 65 Resp: 174283
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: VW009001.D

Acq: 05 Mar 2019 17:16

Instrument :

MSVOA_W

ClientSampleId :

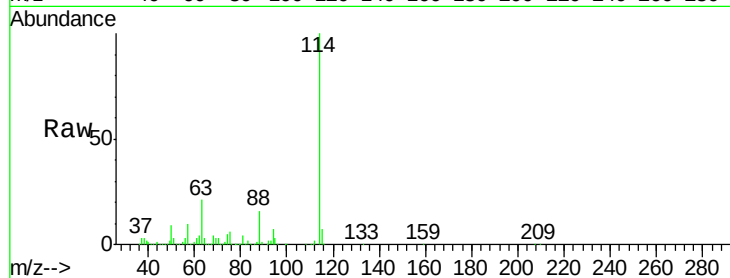
Tot Ion:114 Resp: 475096

Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.8

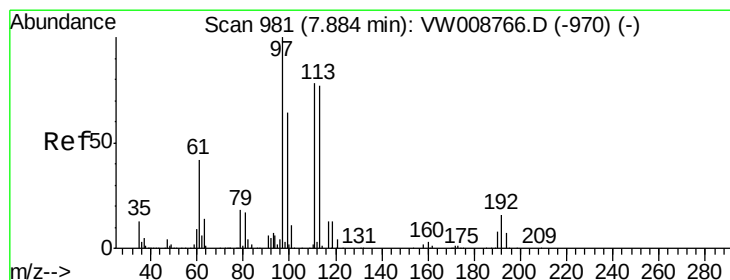
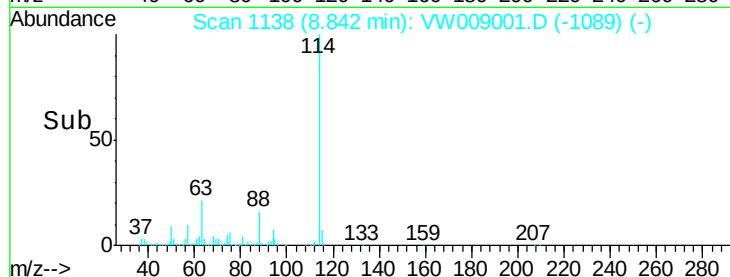
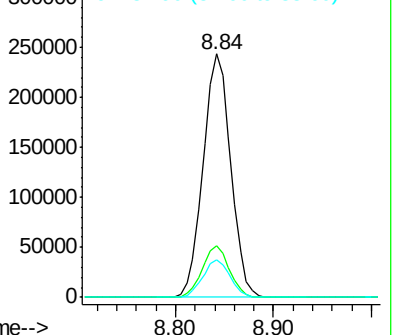
88 15.6 0.0 30.4



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: 51.412 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW009001.D

Acq: 05 Mar 2019 17:16

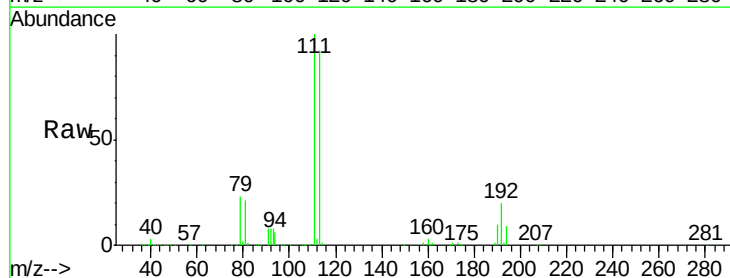
Tgt Ion:113 Resp: 146655

Ion Ratio Lower Upper

113 100

111 101.4 81.9 122.9

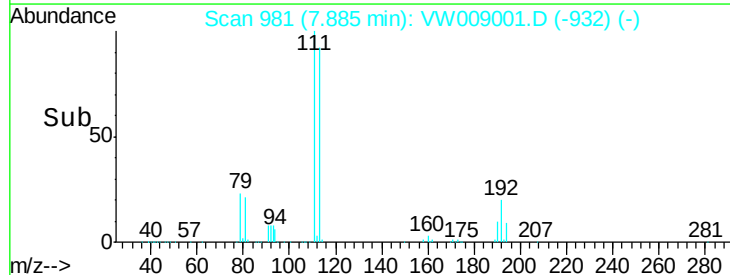
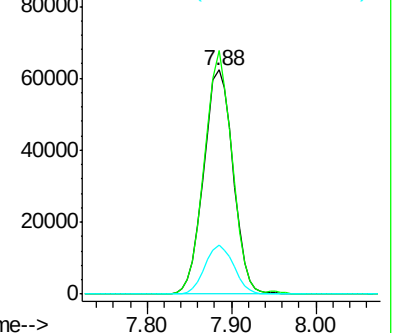
192 21.7 17.1 25.7

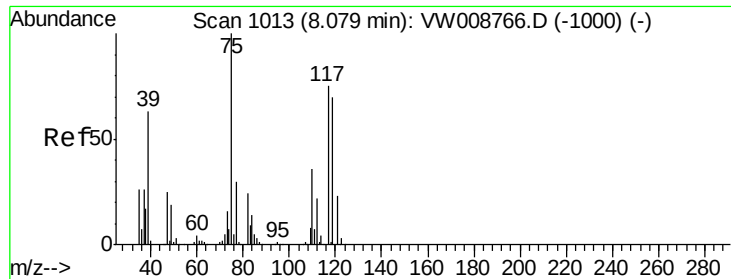


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

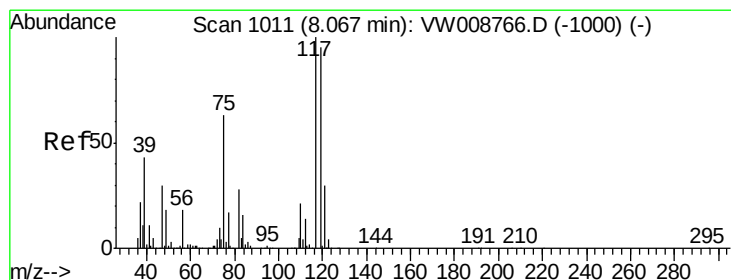
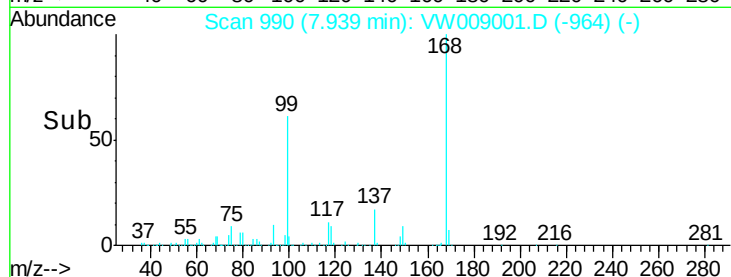
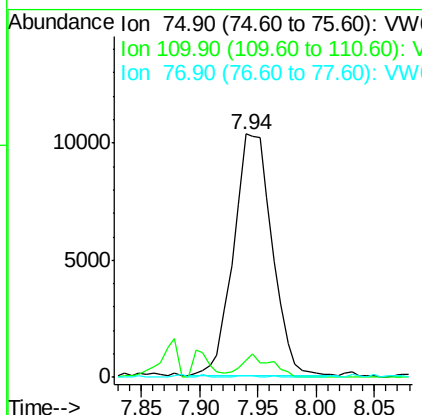
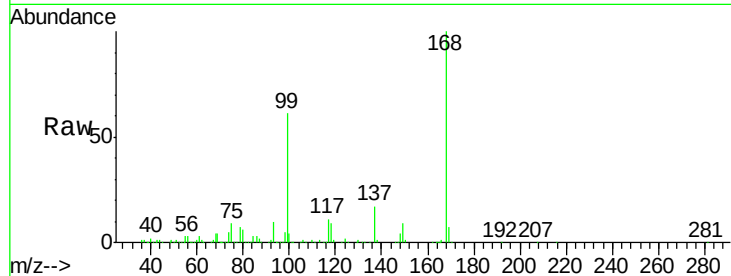




#36
 1,1-Dichloropropene
 Concen: 5.161 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW009001.D
 Acq: 05 Mar 2019 17:16

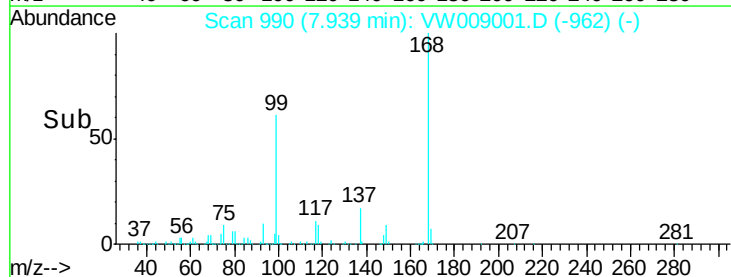
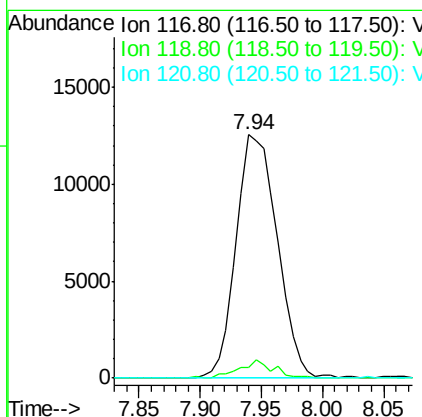
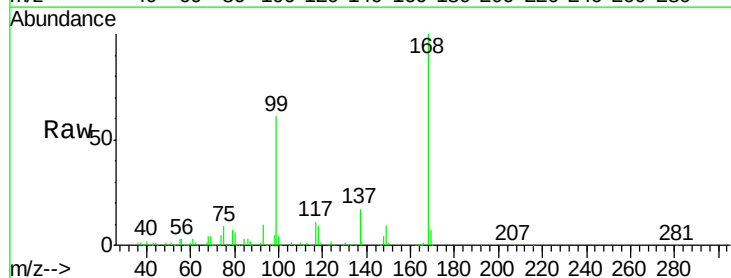
Instrument :
 MSVOA_W
 ClientSampled :

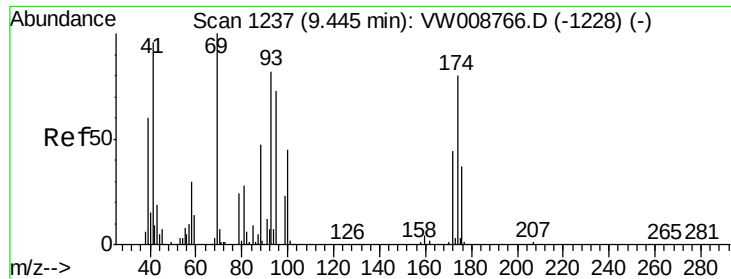
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.6	17.5	52.6#
77	0.4	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 6.028 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.13 min
 Lab File: VW009001.D
 Acq: 05 Mar 2019 17:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.4	76.1	114.1#
121	0.0	24.0	36.0#

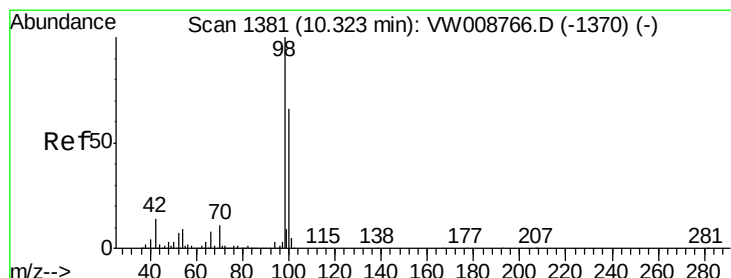
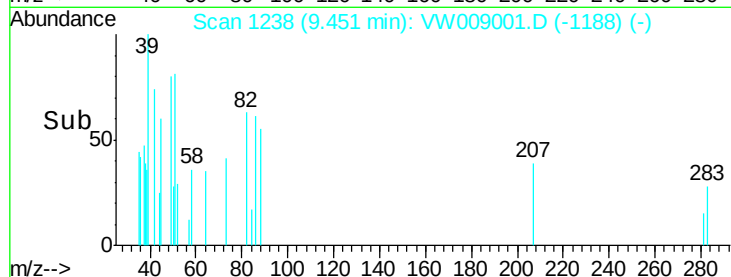
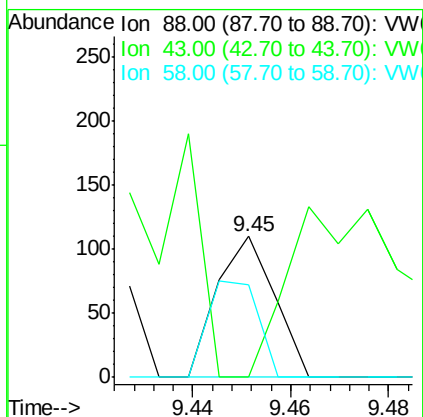
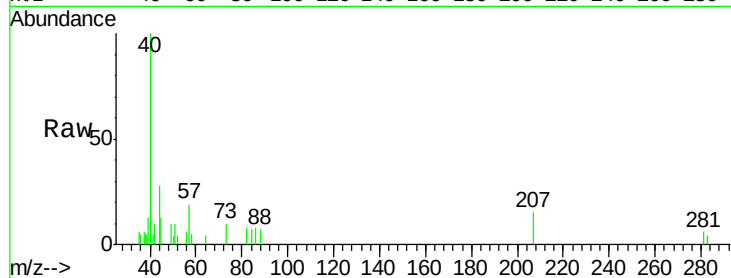




#49
 1,4-Dioxane
 Concen: 3.202 ug/l
 RT: 9.45 min Scan# 1238
 Delta R.T. 0.01 min
 Lab File: VW009001.D
 Acq: 05 Mar 2019 17:16

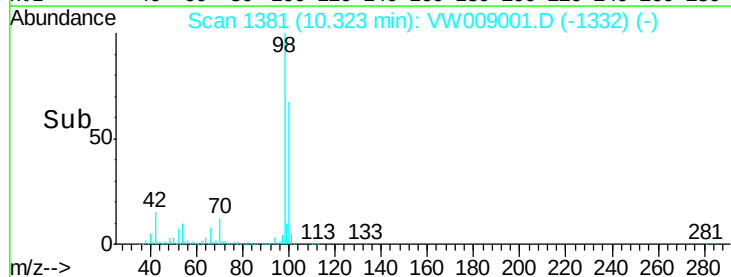
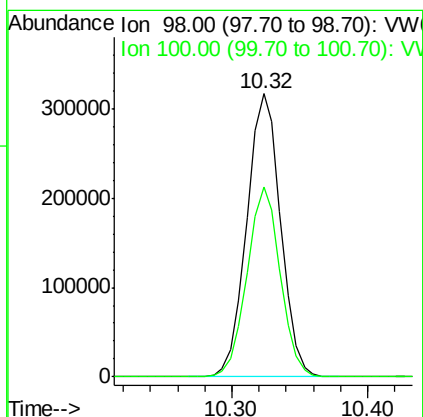
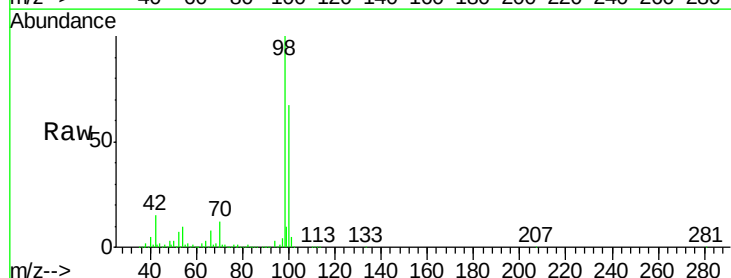
Instrument :
 MSVOA_W
 ClientSampled :

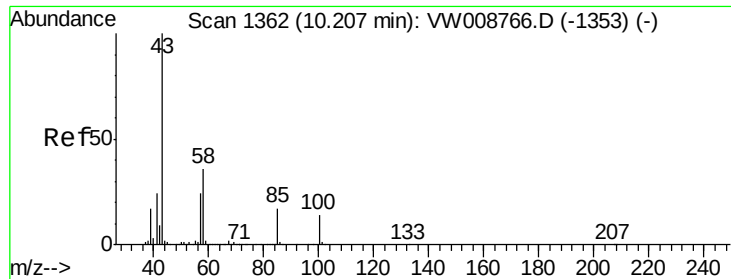
Tot Ion: 88 Resp: 89
 Ion Ratio Lower Upper
 88 100
 43 239.3 29.0 43.4#
 58 60.7 52.0 78.0



#50
 Toluene-d8
 Concen: 50.110 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VW009001.D
 Acq: 05 Mar 2019 17:16

Tgt Ion: 98 Resp: 551793
 Ion Ratio Lower Upper
 98 100
 100 65.8 52.4 78.6





#51

4-Methyl-2-Pentanone

Concen: 1.918 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW009001.D

Acq: 05 Mar 2019 17:16

Instrument :

MSVOA_W

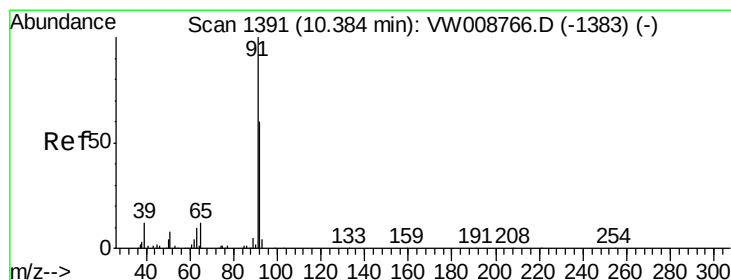
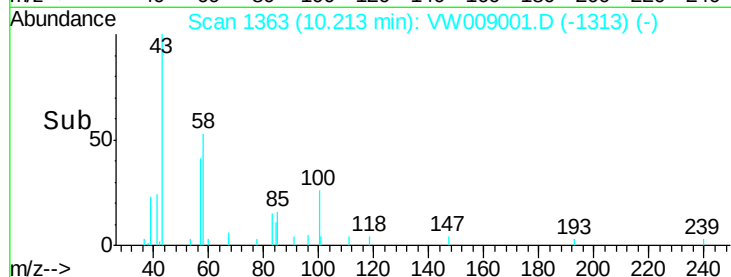
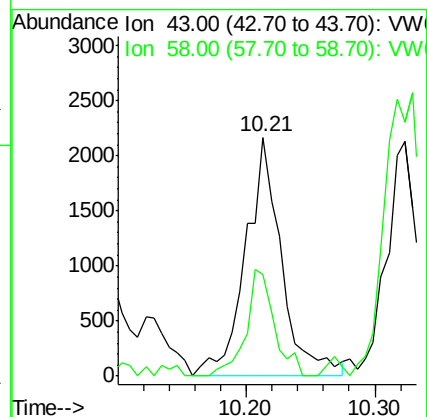
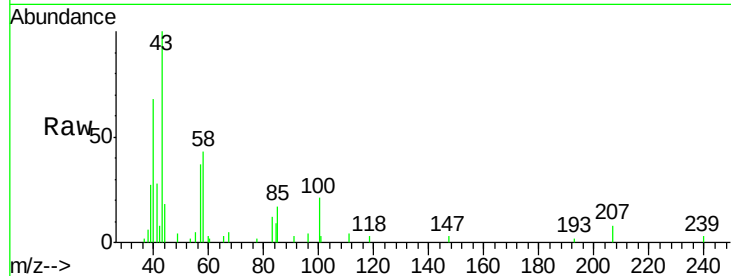
ClientSampled :

Tot Ion: 43 Resp: 4179

Ion Ratio Lower Upper

43 100

58 34.9 29.1 43.7



#52

Toluene

Concen: 4.331 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW009001.D

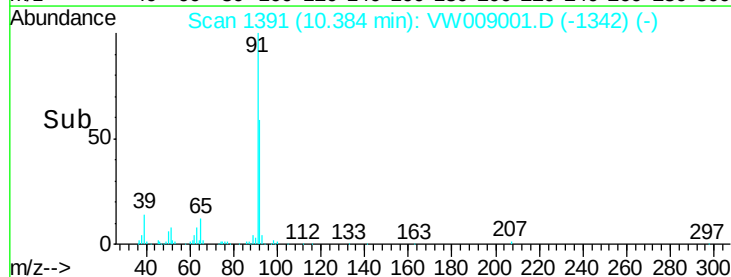
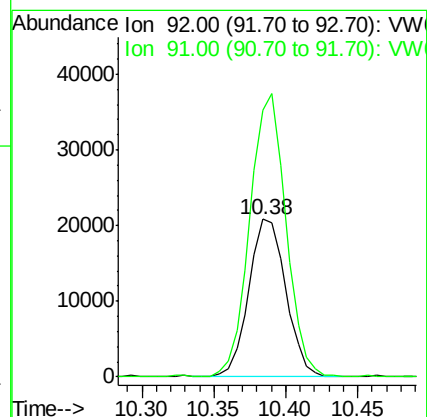
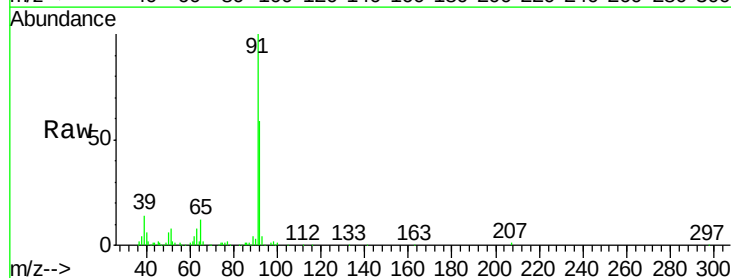
Acq: 05 Mar 2019 17:16

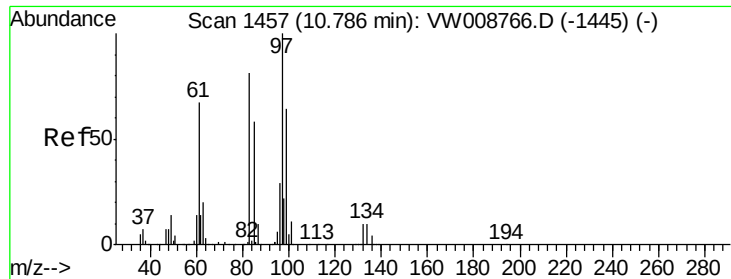
Tgt Ion: 92 Resp: 37117

Ion Ratio Lower Upper

92 100

91 175.2 136.9 205.3





#55

1,1,2-Trichloroethane

Concen: 1.297 ug/l

RT: 10.76 min Scan# 1453

Delta R.T. -0.02 min

Lab File: VW009001.D

Acq: 05 Mar 2019 17:16

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 3053

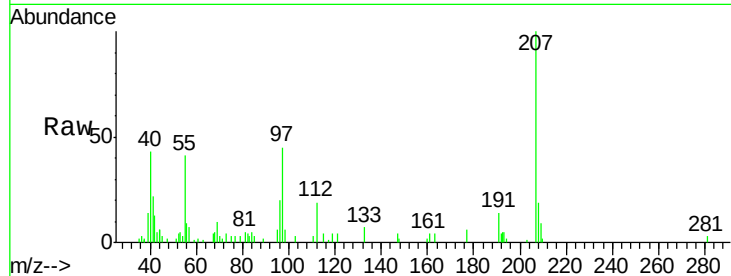
Ion Ratio Lower Upper

97 100

83 0.0 65.0 97.6#

85 8.0 46.0 69.0#

99 0.0 51.1 76.7#

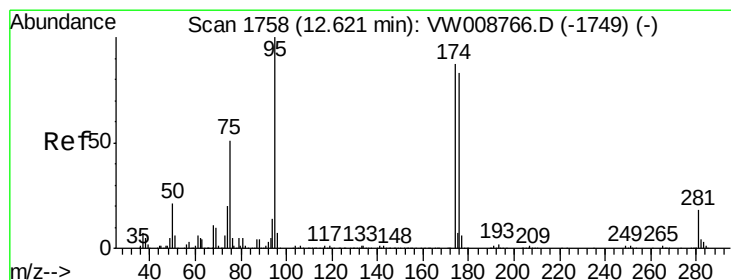
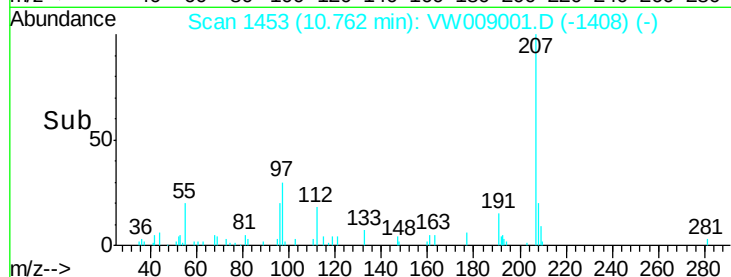
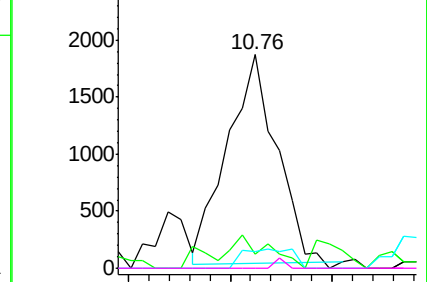


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#62

4-Bromofluorobenzene

Concen: 39.846 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW009001.D

Acq: 05 Mar 2019 17:16

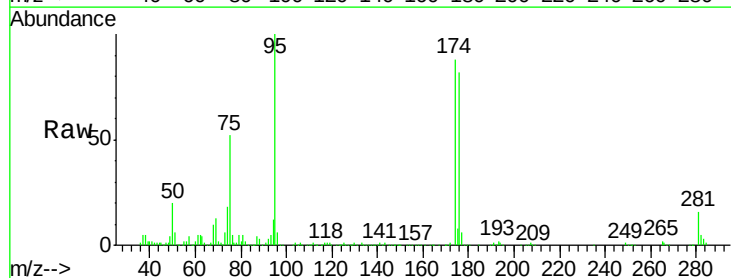
Tgt Ion: 95 Resp: 171795

Ion Ratio Lower Upper

95 100

174 87.8 0.0 169.2

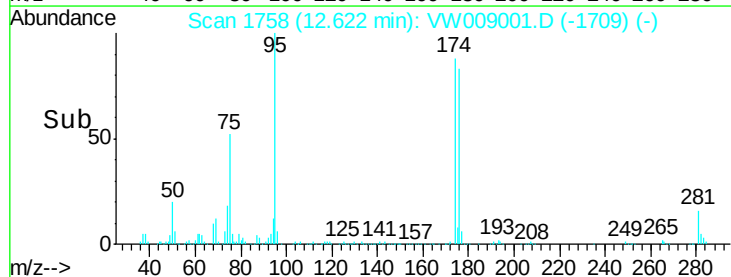
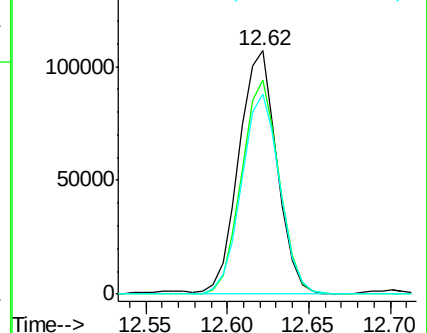
176 83.3 0.0 163.6

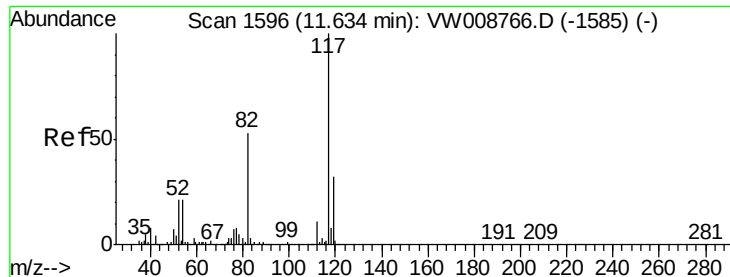


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW009001.D

Acq: 05 Mar 2019 17:16

Instrument :

MSVOA_W

ClientSampled :

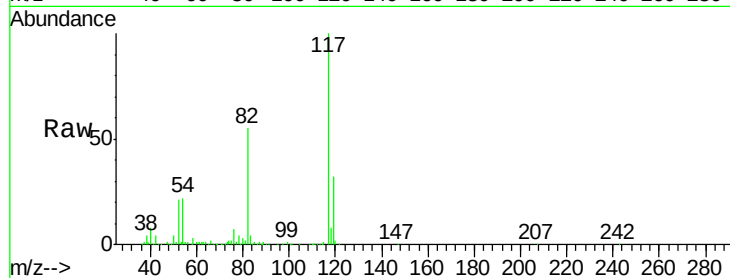
Tot Ion:117 Resp: 398817

Ion Ratio Lower Upper

117 100

82 54.5 42.2 63.4

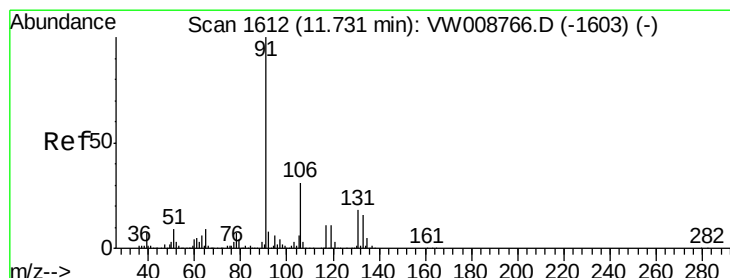
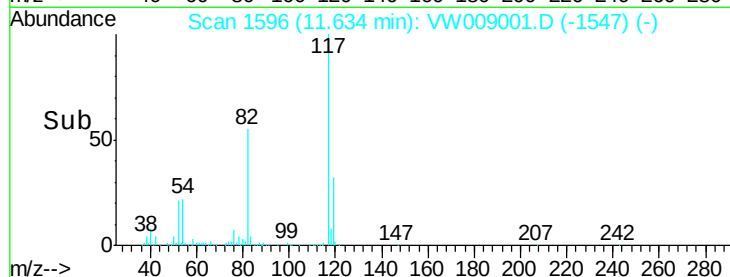
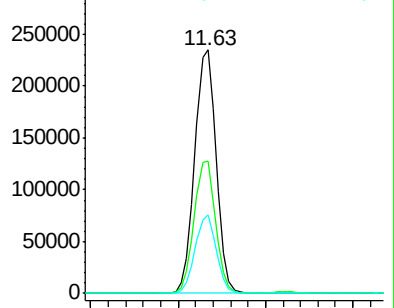
119 32.3 25.9 38.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): V



#67

Ethyl Benzene

Concen: 2.609 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW009001.D

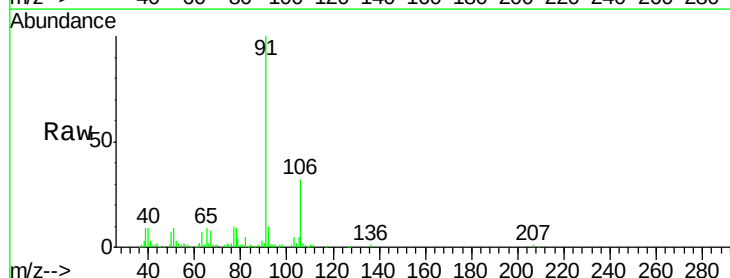
Acq: 05 Mar 2019 17:16

Tgt Ion: 91 Resp: 39105

Ion Ratio Lower Upper

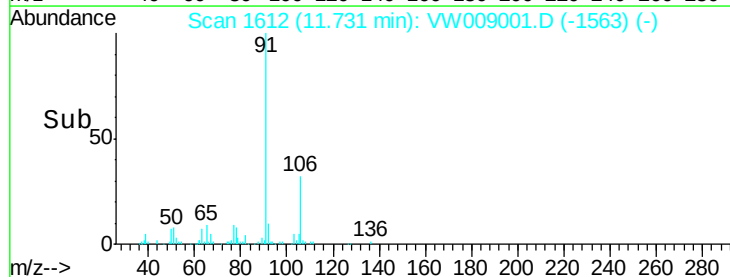
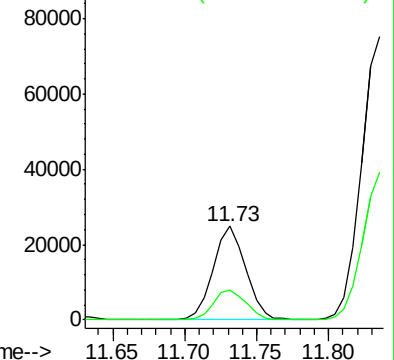
91 100

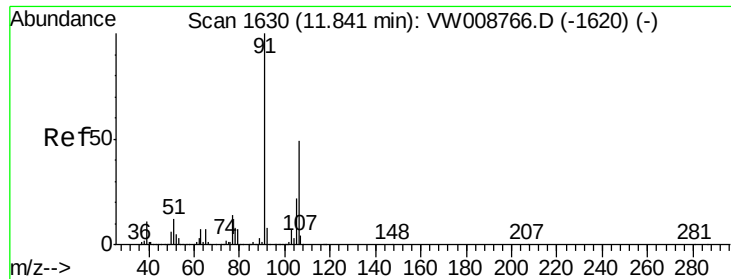
106 32.3 25.0 37.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V

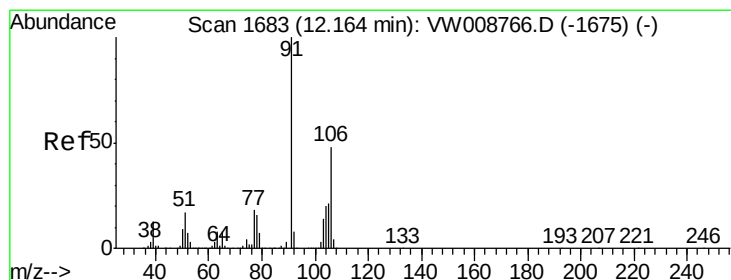
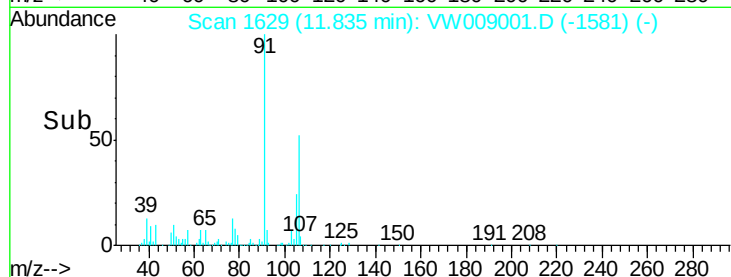
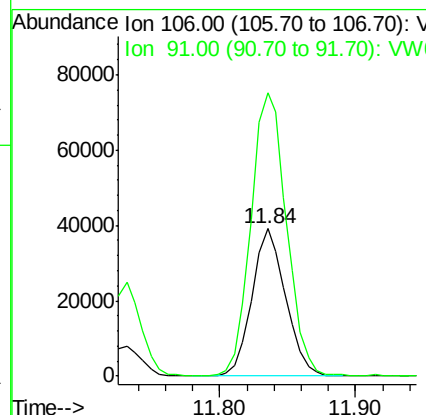
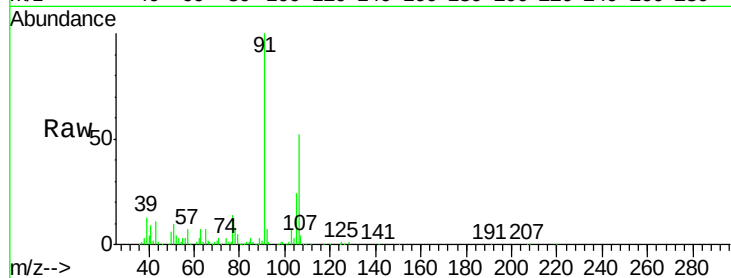




#68
m/p-Xylenes
Concen: 11.333 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW009001.D
Acq: 05 Mar 2019 17:16

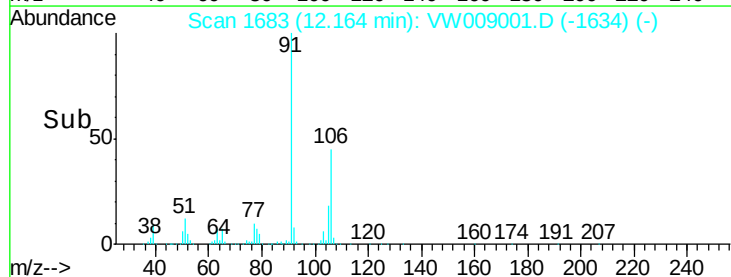
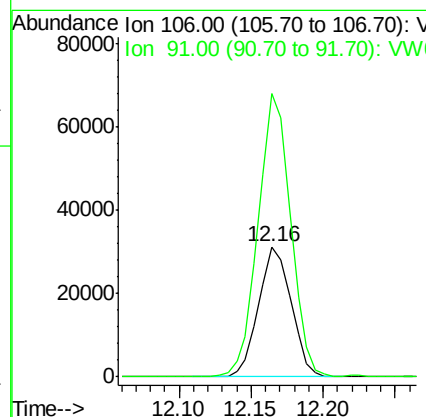
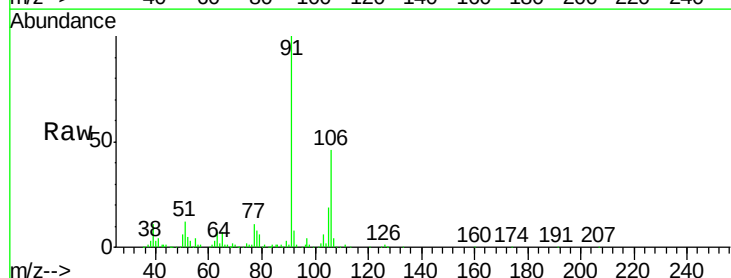
Instrument :
MSVOA_W
ClientSampled :

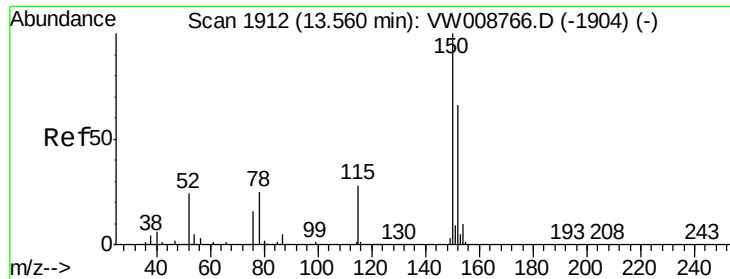
Tot Ion:106 Resp: 67880
Ion Ratio Lower Upper
106 100
91 201.9 161.5 242.3



#69
o-Xylene
Concen: 8.694 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW009001.D
Acq: 05 Mar 2019 17:16

Tgt Ion:106 Resp: 48880
Ion Ratio Lower Upper
106 100
91 217.8 106.2 318.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW009001.D

Acq: 05 Mar 2019 17:16

Instrument :

MSVOA_W

ClientSampleId :

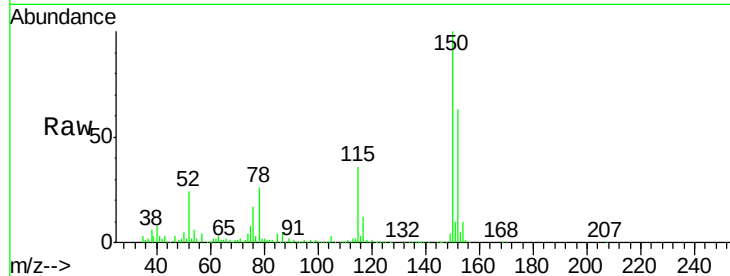
Tot Ion:152 Resp: 150258

Ion Ratio Lower Upper

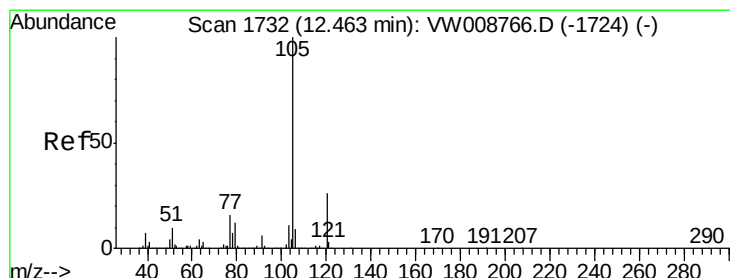
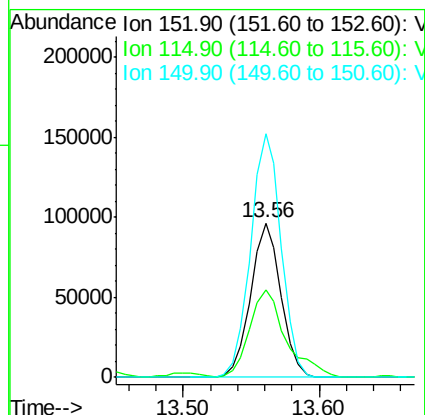
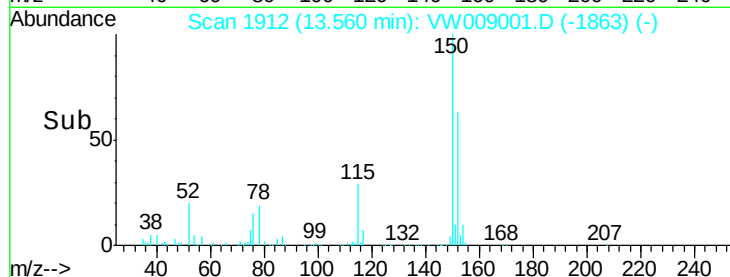
152 100

115 67.9 28.6 85.8

150 159.4 0.0 348.0



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



#73

Isopropylbenzene

Concen: 2.522 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW009001.D

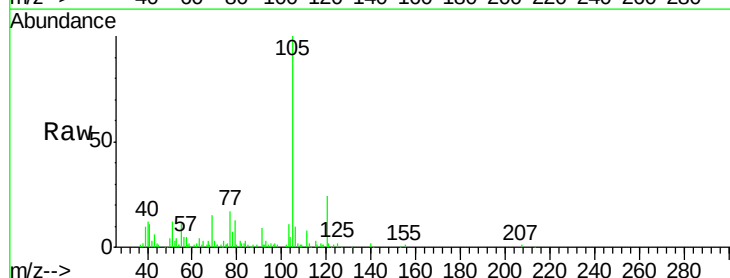
Acq: 05 Mar 2019 17:16

Tgt Ion:105 Resp: 25975

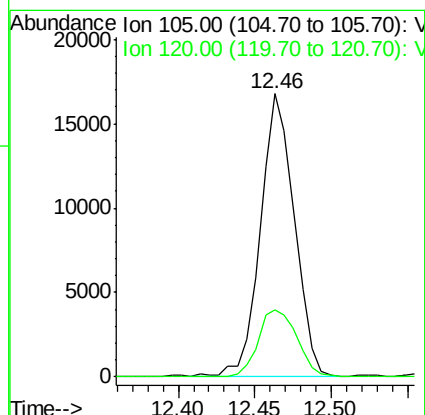
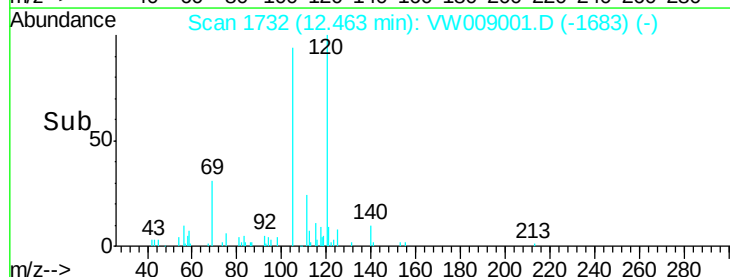
Ion Ratio Lower Upper

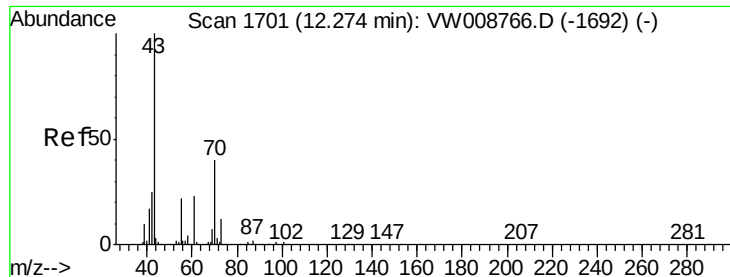
105 100

120 26.9 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

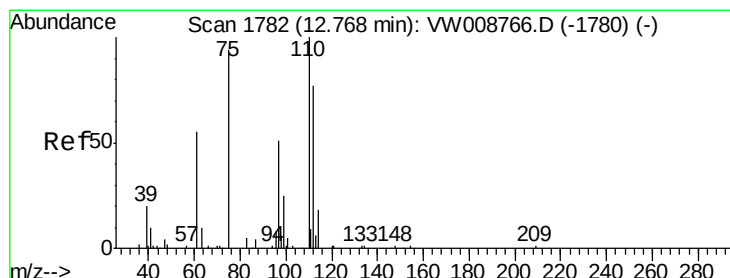
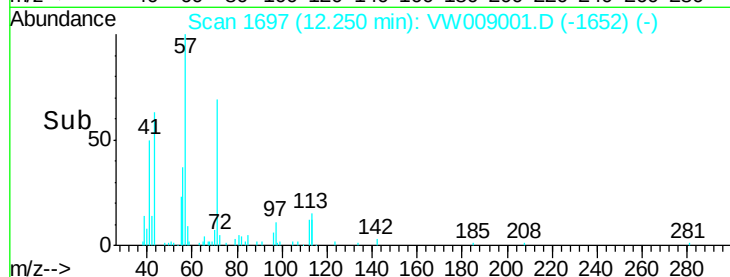
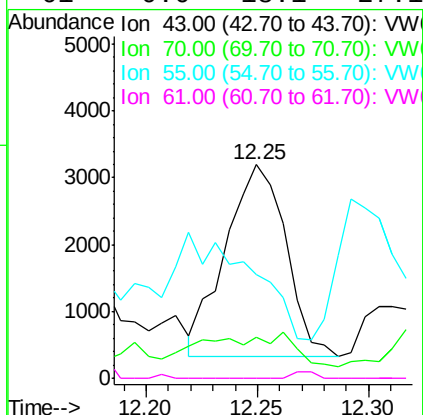
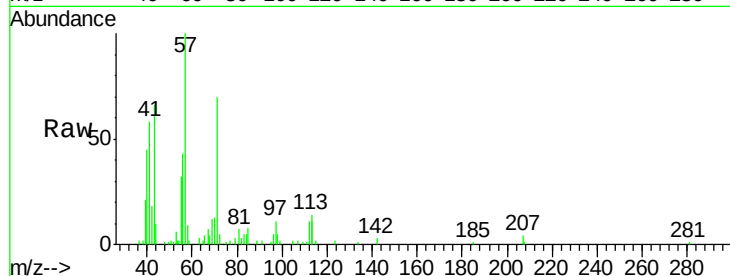




#74
N-amvl acetate
Concen: 2.099 ug/l
RT: 12.25 min Scan# 1697
Delta R.T. -0.02 min
Lab File: VW009001.D
Acq: 05 Mar 2019 17:16

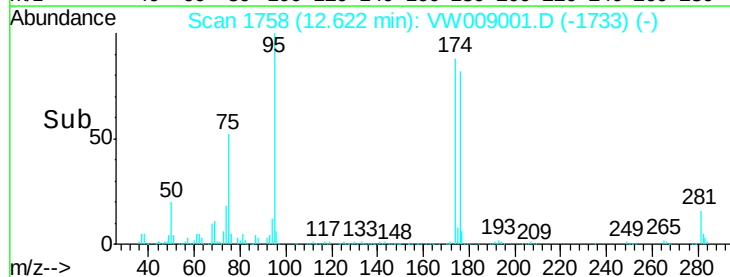
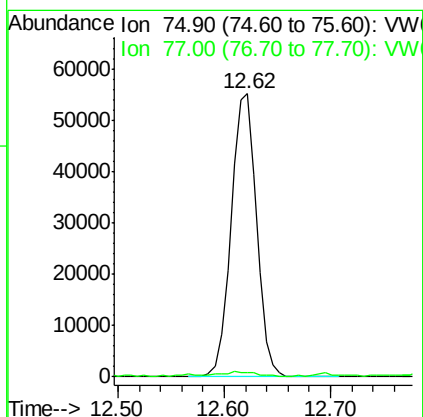
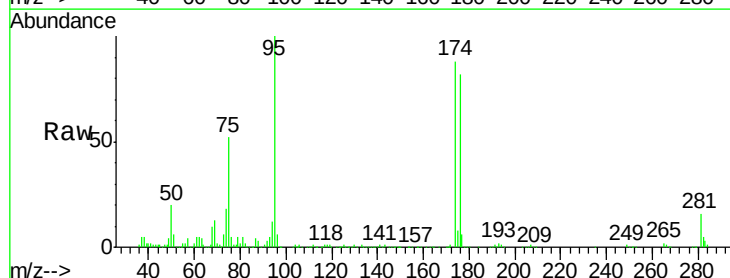
Instrument :
MSVOA_W
ClientSampleId :

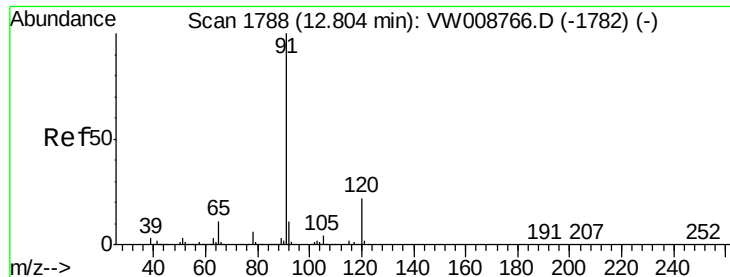
Tot Ion: 43 Resp: 5447
Ion Ratio Lower Upper
43 100
70 8.9 31.0 46.6#
55 0.0 18.7 28.1#
61 0.0 18.1 27.1#



#76
1,2,3-Trichloropropane
Concen: 74.801 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW009001.D
Acq: 05 Mar 2019 17:16

Tgt Ion: 75 Resp: 92797
Ion Ratio Lower Upper
75 100
77 2.3 0.0 0.0#





#78

n-propylbenzene

Concen: 6.848 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW009001.D

Acq: 05 Mar 2019 17:16

Instrument :

MSVOA_W

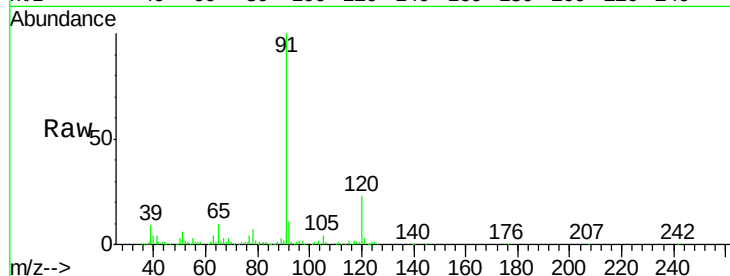
ClientSampled :

Tot Ion: 91 Resp: 86283

Ion Ratio Lower Upper

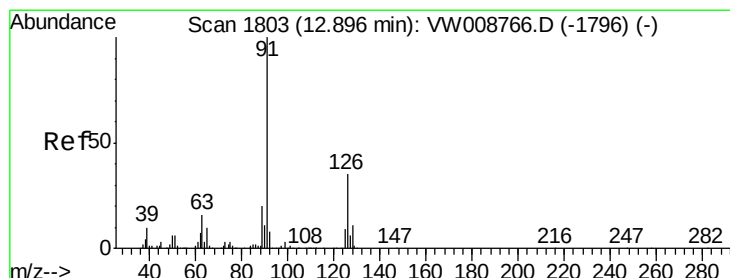
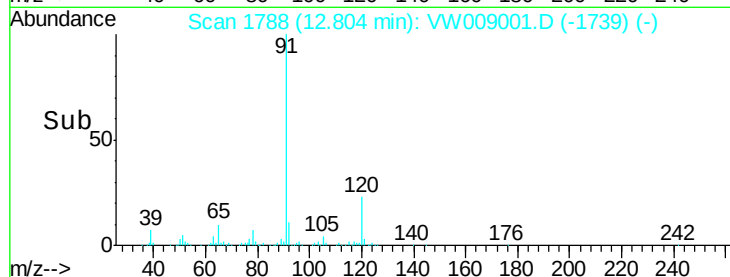
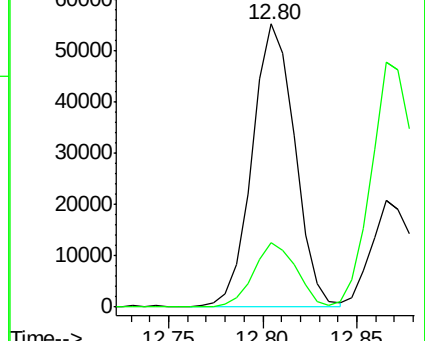
91 100

120 23.1 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 2.048 ug/l

RT: 12.90 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VW009001.D

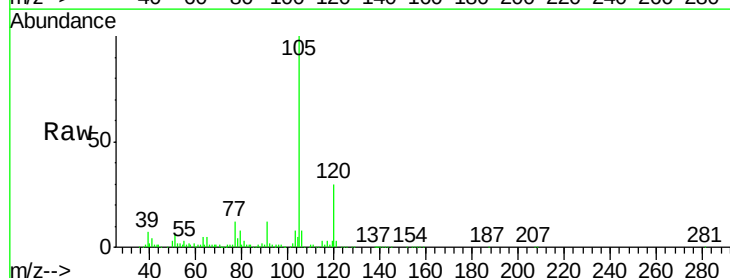
Acq: 05 Mar 2019 17:16

Tgt Ion: 91 Resp: 14652

Ion Ratio Lower Upper

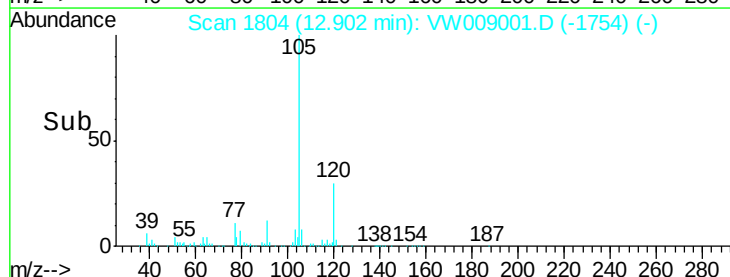
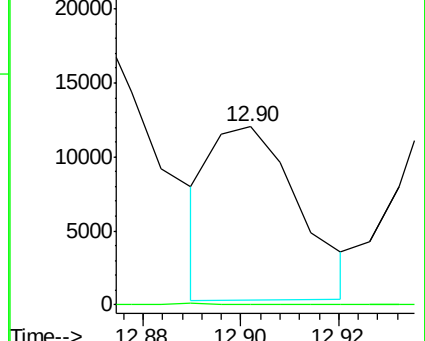
91 100

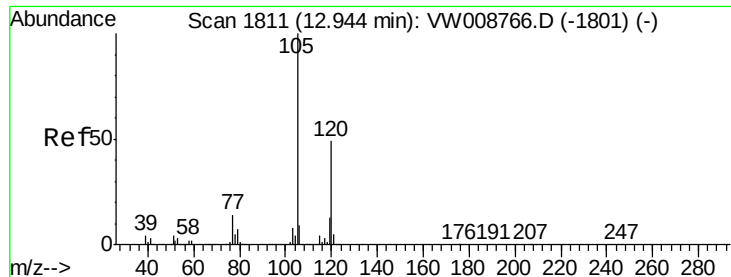
126 0.2 17.0 51.0#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 25.196 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW009001.D

Acq: 05 Mar 2019 17:16

Instrument :

MSVOA_W

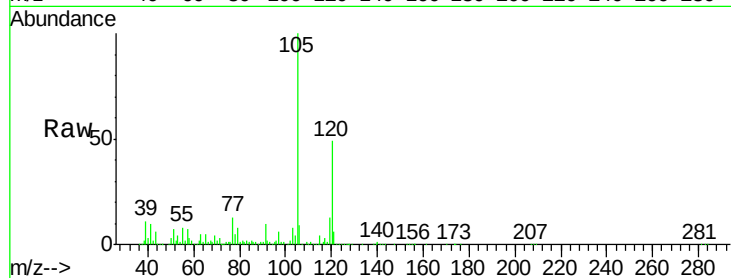
ClientSampleId :

Tot Ion:105 Resp: 225543

Ion Ratio Lower Upper

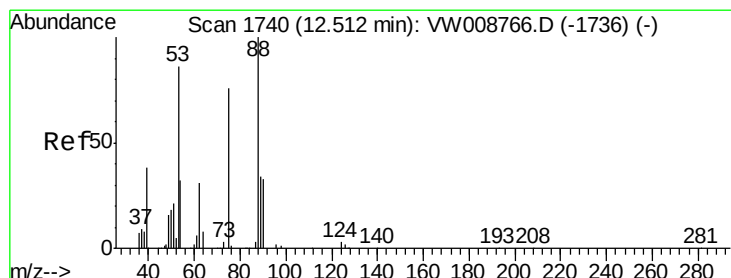
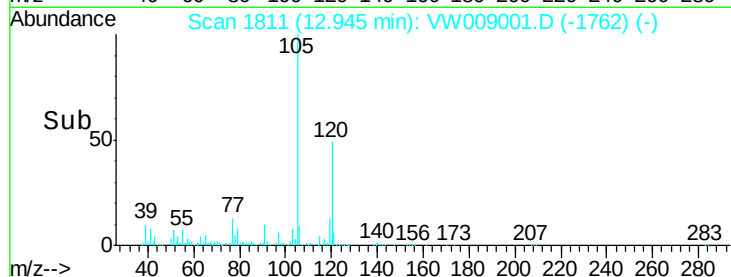
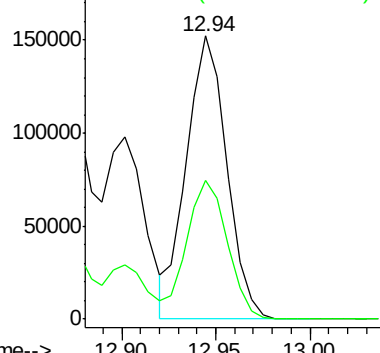
105 100

120 49.8 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 181.848 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW009001.D

Acq: 05 Mar 2019 17:16

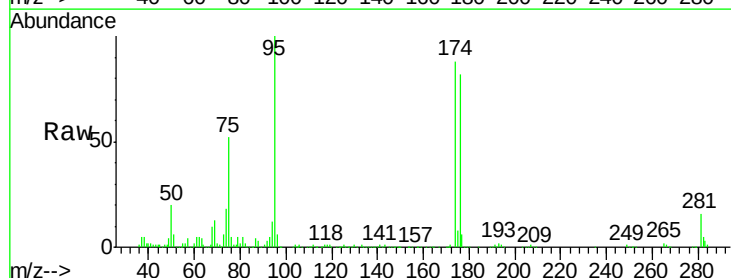
Tgt Ion: 75 Resp: 92797

Ion Ratio Lower Upper

75 100

53 0.3 88.2 132.2#

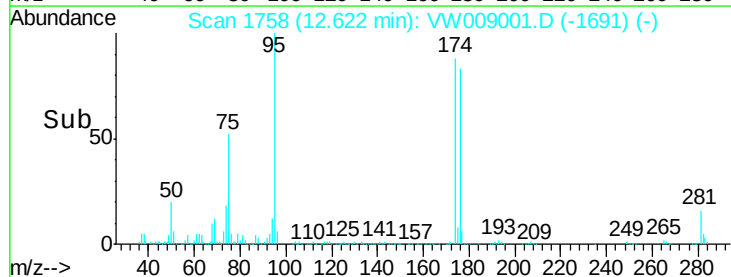
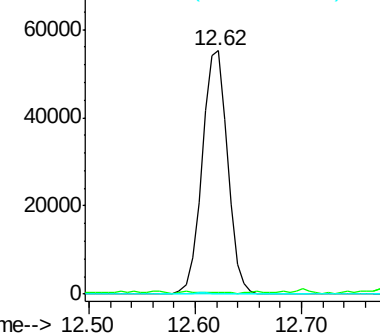
89 0.5 39.5 59.3#

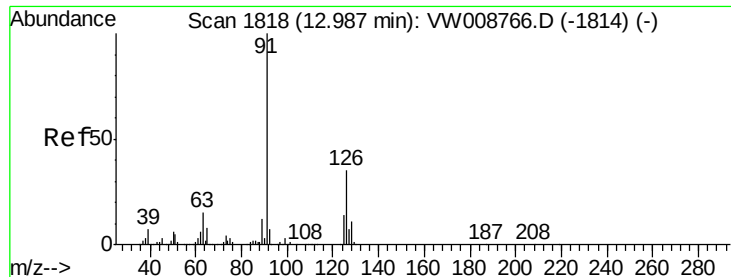


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#82

4-Chlorotoluene

Concen: 3.267 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.04 min

Lab File: VW009001.D

Acq: 05 Mar 2019 17:16

Instrument :

MSVOA_W

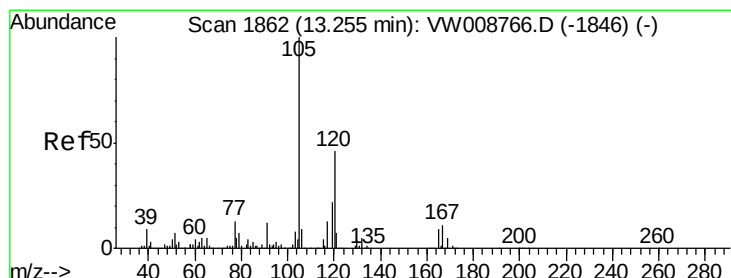
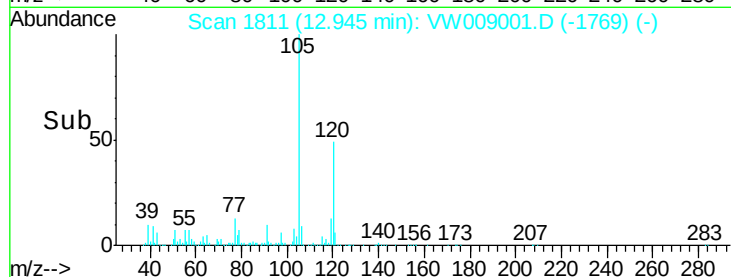
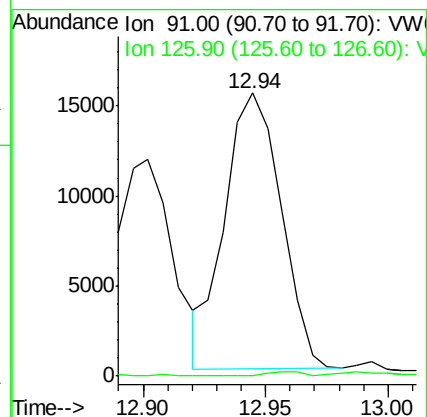
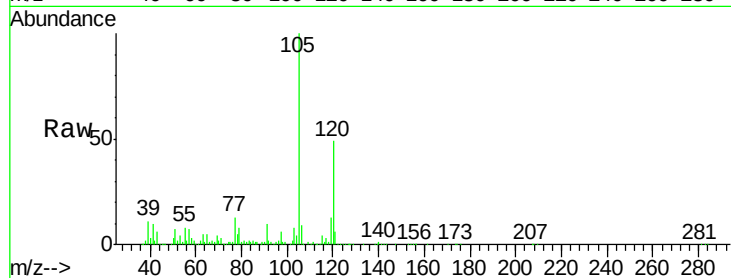
ClientSampleId :

Tot Ion: 91 Resp: 24632

Ion Ratio Lower Upper

91 100

126 1.0 17.2 51.6#



#84

1,2,4-Trimethylbenzene

Concen: 58.950 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW009001.D

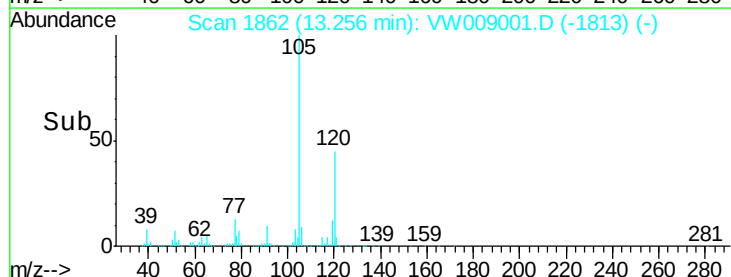
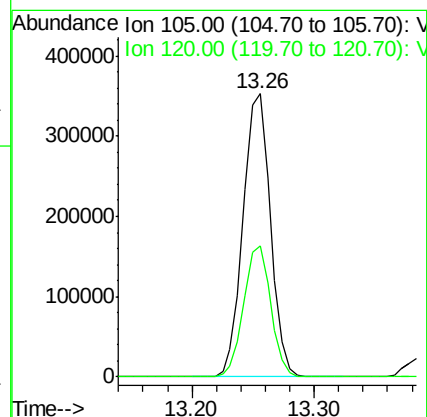
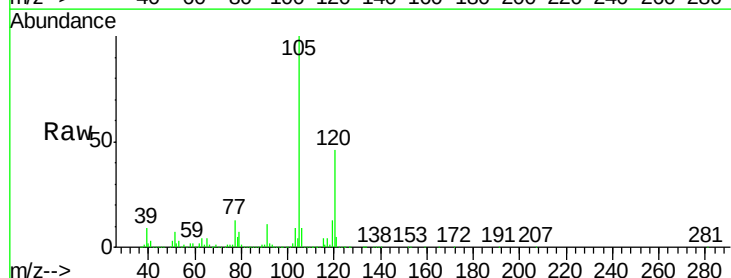
Acq: 05 Mar 2019 17:16

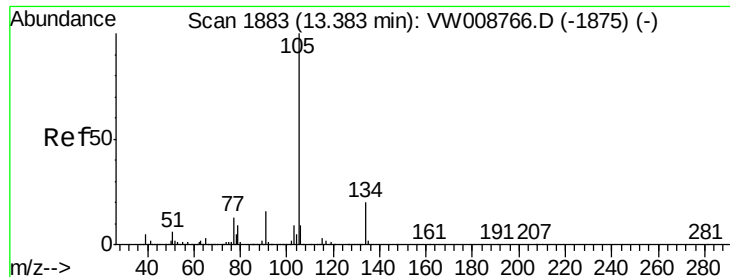
Tgt Ion: 105 Resp: 546254

Ion Ratio Lower Upper

105 100

120 46.1 22.8 68.4

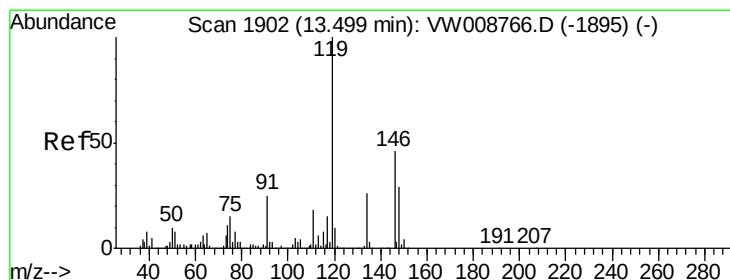
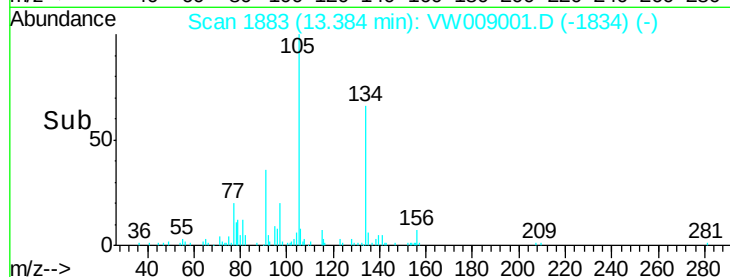
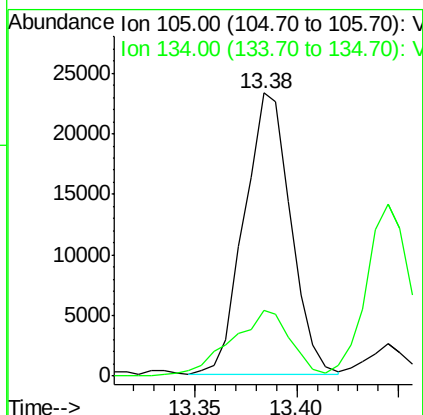
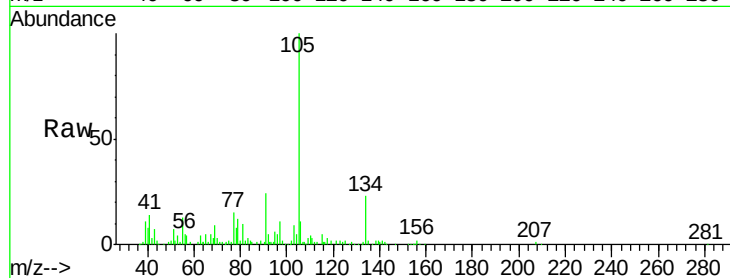




#85
 sec-Butylbenzene
 Concen: 3.281 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW009001.D
 Acq: 05 Mar 2019 17:16

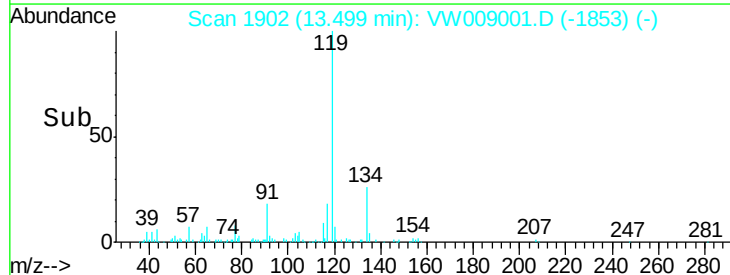
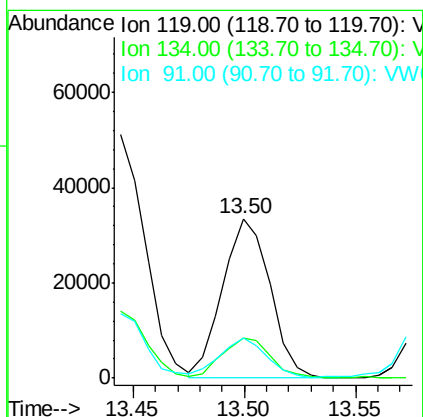
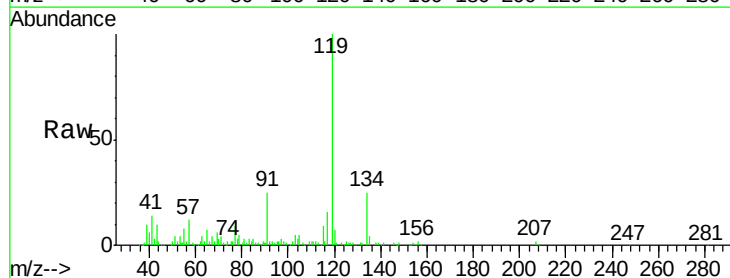
Instrument :
 MSVOA_W
 ClientSampleId :

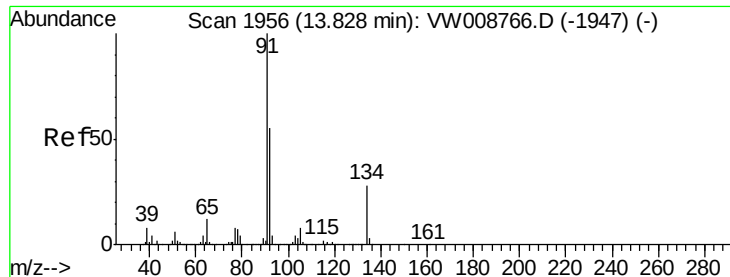
Tot Ion:105 Resp: 36518
 Ion Ratio Lower Upper
 105 100
 134 30.1 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 4.851 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009001.D
 Acq: 05 Mar 2019 17:16

Tgt Ion:119 Resp: 49495
 Ion Ratio Lower Upper
 119 100
 134 25.6 13.1 39.3
 91 23.7 12.1 36.3





#89

n-Butylbenzene

Concen: 5.403 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.01 min

Lab File: VW009001.D

Acq: 05 Mar 2019 17:16

Instrument :

MSVOA_W

ClientSampleId :

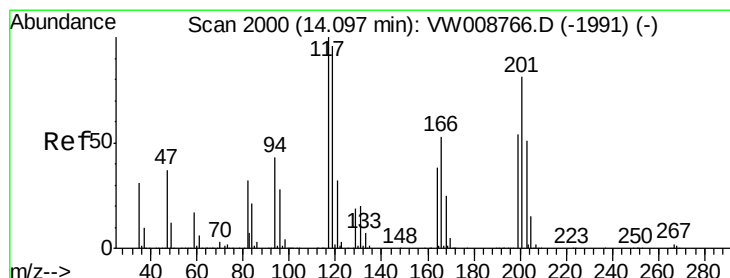
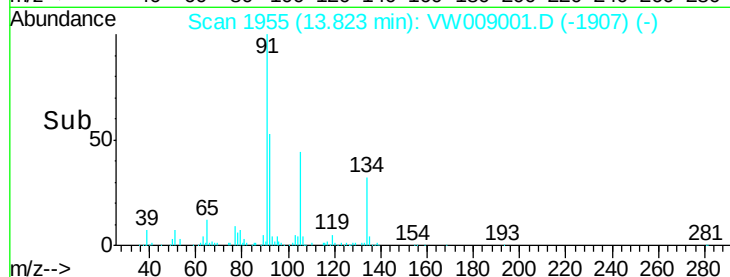
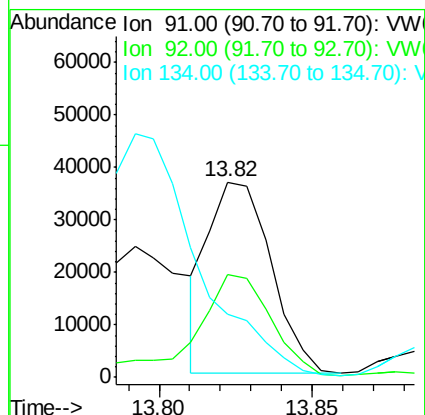
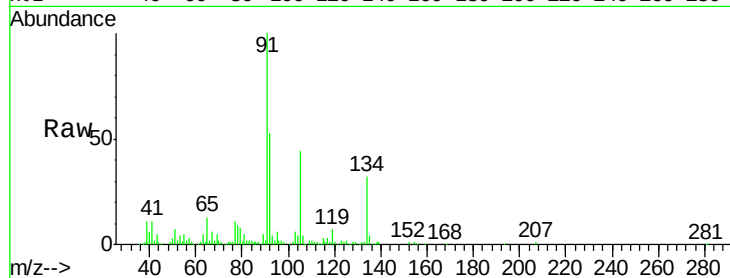
Tot Ion: 91 Resp: 51645

Ion Ratio Lower Upper

91 100

92 63.2 26.8 80.4

134 0.0 13.5 40.4#



#90

Hexachloroethane

Concen: 11.438 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW009001.D

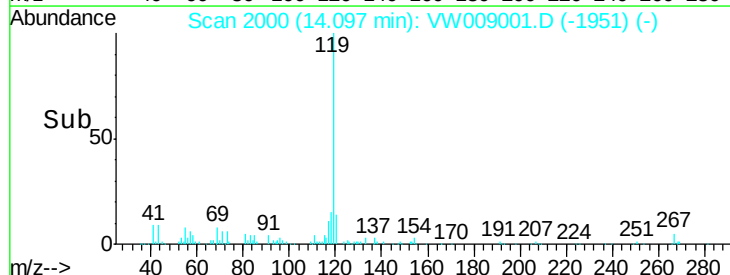
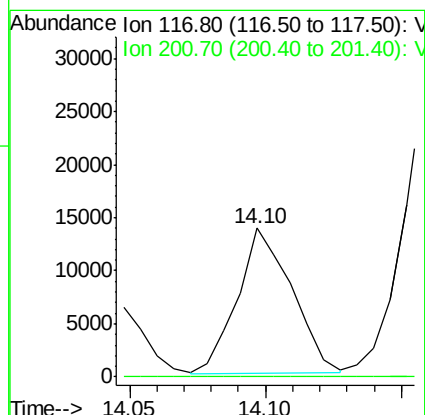
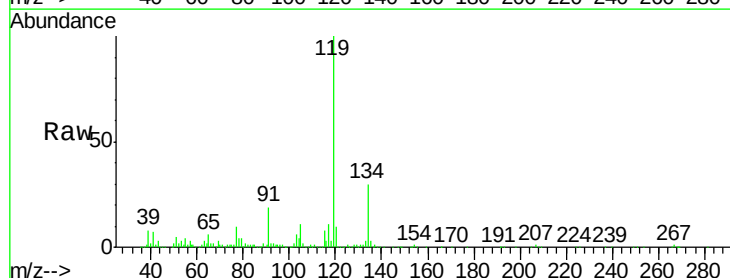
Acq: 05 Mar 2019 17:16

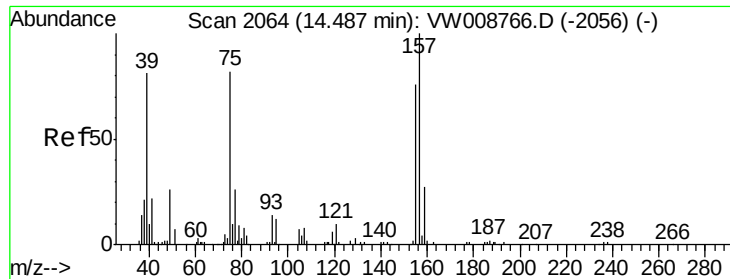
Tgt Ion: 117 Resp: 19104

Ion Ratio Lower Upper

117 100

201 0.0 40.3 120.8#





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.739 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. 0.01 min

Lab File: VW009001.D

Acq: 05 Mar 2019 17:16

Instrument :

MSVOA_W

ClientSampled :

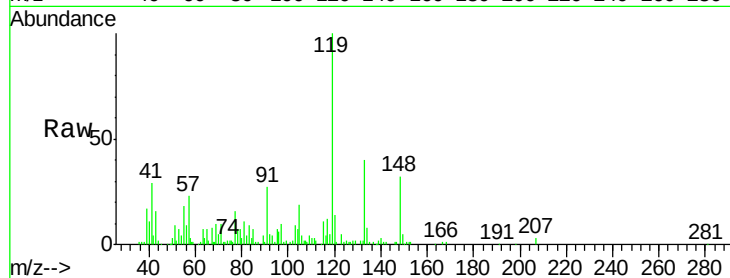
Tot Ion: 75 Resp: 834

Ion Ratio Lower Upper

75 100

155 9.5 41.8 125.4#

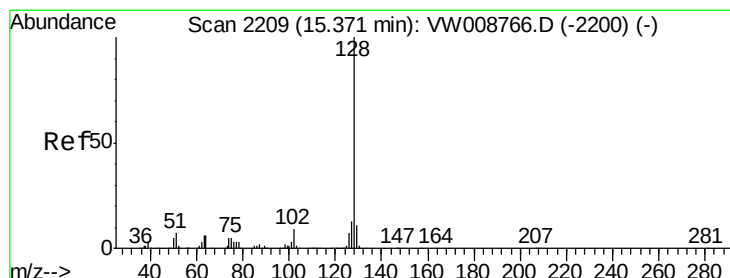
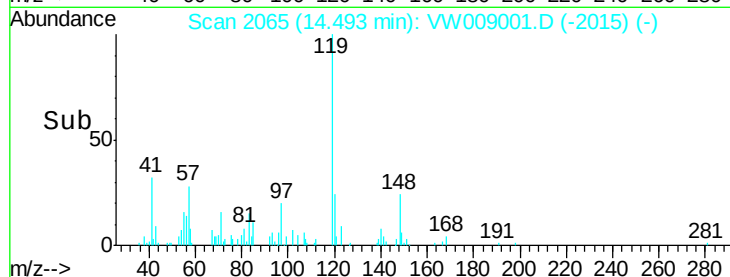
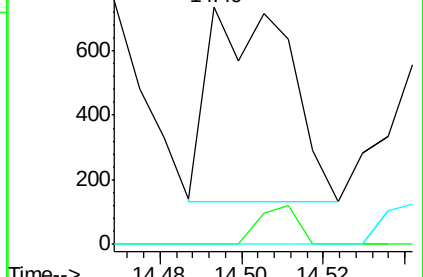
157 0.0 56.6 169.9#



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



#95

Naphthalene

Concen: 8.237 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW009001.D

Acq: 05 Mar 2019 17:16

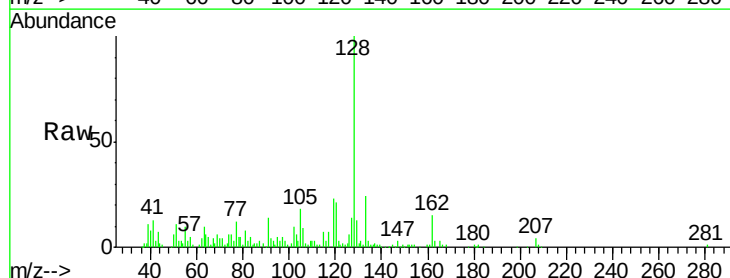
Tgt Ion: 128 Resp: 45471

Ion Ratio Lower Upper

128 100

127 15.5 10.8 16.2

129 9.6 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

