

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022719\
 Data File : VW008869.D
 Acq On : 27 Feb 2019 21:43
 Operator : SY/VA
 Sample : K1350-13RE
 Misc : 8.18G/5ML/MSVOA W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Feb 28 07:06:27 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	249428	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	378161	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	304342	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	115844	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	134555	57.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.04%	
35) Dibromofluoromethane	7.88	113	112456	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	
50) Toluene-d8	10.32	98	428176	48.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.70%	
62) 4-Bromofluorobenzene	12.62	95	130739	38.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.20%	

Target Compounds

					Qvalue	
8) Diethyl Ether	3.68	74	1602	1.243	ug/l	76
11) Tert butyl alcohol	5.13	59	9336	44.826	ug/l #	74
13) Acrolein	3.90	56	489	21.830	ug/l #	44
16) Acetone	4.12	43	21267	39.219	ug/l	99
18) Methyl Acetate	4.68	43	2946	2.291	ug/l #	83
20) Methylene Chloride	4.92	84	23355	4.048	ug/l	88
25) 2-Butanone	7.15	43	8027	10.588	ug/l #	84
26) 2,2-Dichloropropane	7.15	77	6674	1.687	ug/l #	54
29) Tetrahydrofuran	7.55	42	2124	4.396	ug/l #	35
31) Cyclohexane	7.95	56	8628	1.956	ug/l #	46
36) 1,1-Dichloropropene	7.95	75	19060	5.178	ug/l #	50
38) Carbon Tetrachloride	7.95	117	23919	6.161	ug/l #	16
39) Methylcyclohexane	9.33	83	7139	1.555	ug/l	97
49) 1,4-Dioxane	9.25	88	23	1.040	ug/l #	1
51) 4-Methyl-2-Pentanone	10.21	43	2007	1.157	ug/l #	83
52) Toluene	10.38	92	11315	1.659	ug/l	98
55) 1,1,2-Trichloroethane	10.76	97	3877	2.069	ug/l #	25
67) Ethyl Benzene	11.73	91	36166	3.161	ug/l	98
68) m/p-Xylenes	11.84	106	36455	7.976	ug/l	97
69) o-Xylene	12.16	106	50016	11.658	ug/l	96
73) Isopropylbenzene	12.47	105	23408	2.948	ug/l	99
74) N-amyl acetate	12.26	43	9741	4.869	ug/l #	64
76) 1,2,3-Trichloropropane	12.87	75	2198	2.298	ug/l #	100
78) n-propylbenzene	12.80	91	87262	8.983	ug/l	99
79) 2-Chlorotoluene	12.87	91	28414	5.152	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.94	105	163294	23.661	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.62	75	68771	174.801	ug/l #	6
82) 4-Chlorotoluene	12.94	91	18948	3.260	ug/l #	43
84) 1,2,4-Trimethylbenzene	13.26	105	374835	52.468	ug/l	98
85) sec-Butylbenzene	13.38	105	51442	5.995	ug/l	88
86) p-Isopropyltoluene	13.50	119	48146	6.121	ug/l	99
89) n-Butylbenzene	13.83	91	78918	10.709	ug/l #	79
90) Hexachloroethane	14.10	117	25185	19.558	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.50	75	614	2.616	ug/l #	22

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Response via : Initial Calibration

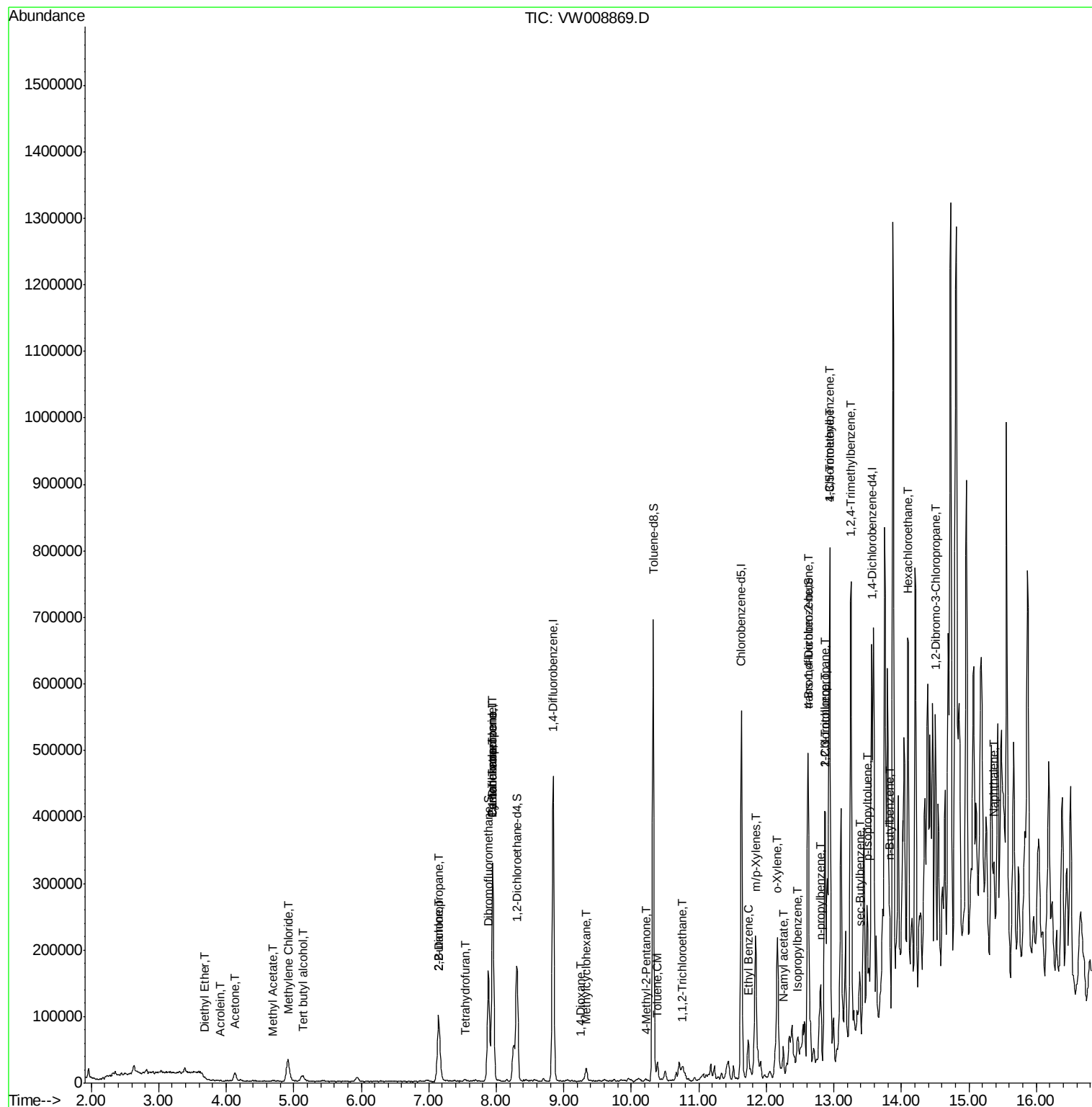
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	15.37	128	72214	16.967	ug/l #	92

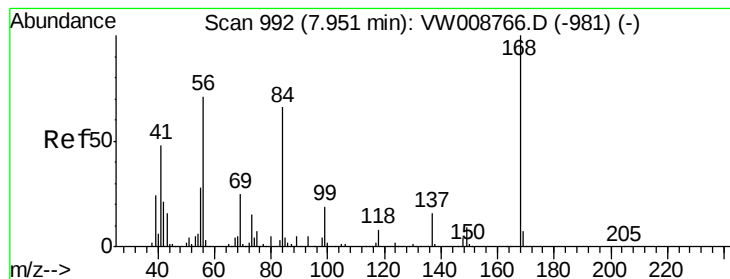
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW022719\
Data File : VW008869.D
Acq On : 27 Feb 2019 21:43
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008869.D

Acq: 27 Feb 2019 21:43

Instrument :

MSVOA_W

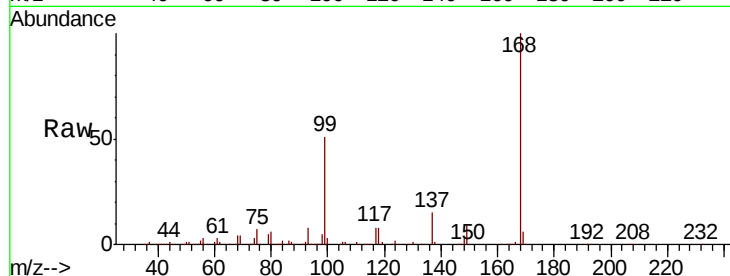
ClientSampleId :

Tot Ion:168 Resp: 249428

Ion Ratio Lower Upper

168 100

99 51.1 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

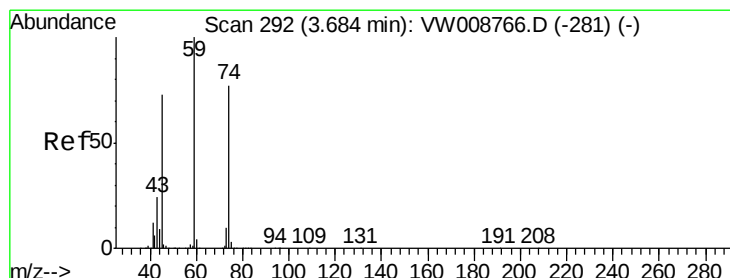
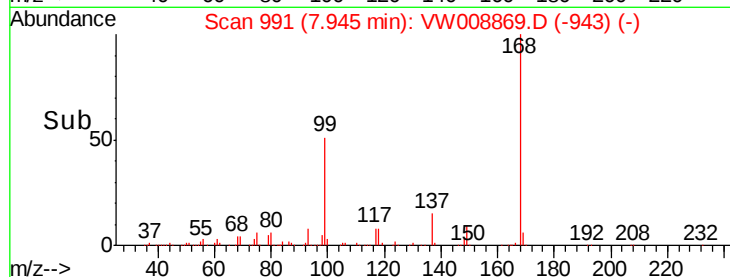
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.243 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.01 min

Lab File: VW008869.D

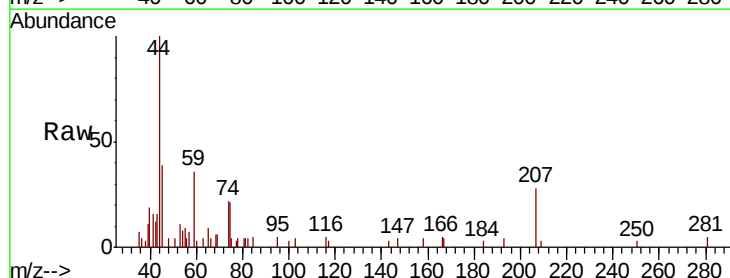
Acq: 27 Feb 2019 21:43

Tgt Ion: 74 Resp: 1602

Ion Ratio Lower Upper

74 100

45 124.3 50.2 150.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

800

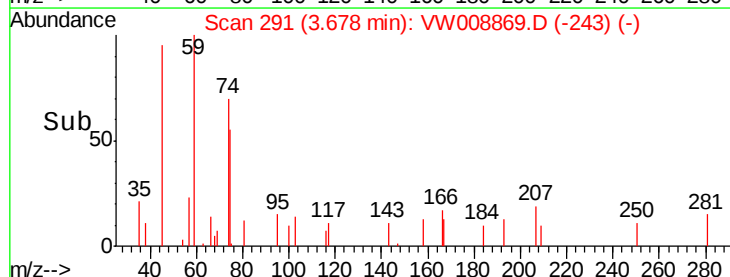
600

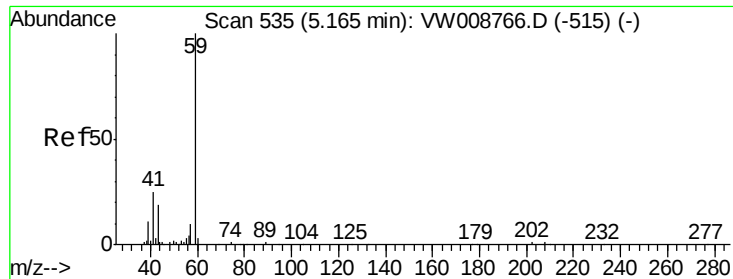
400

200

0

Time--> 3.60 3.65 3.70 3.75

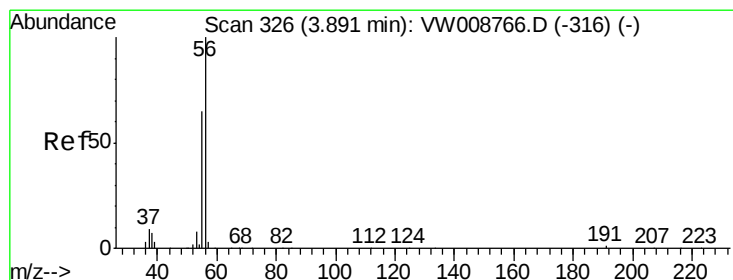
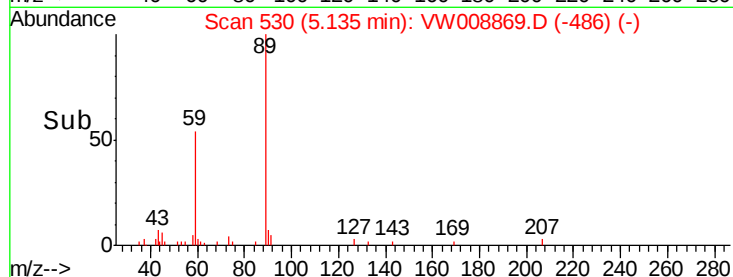
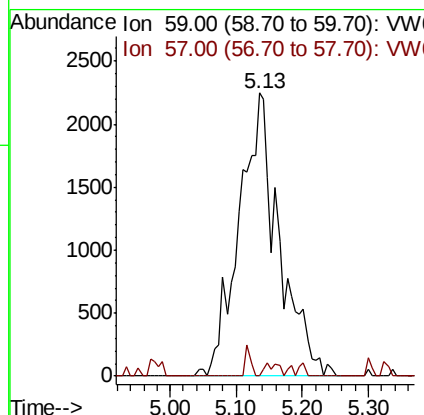
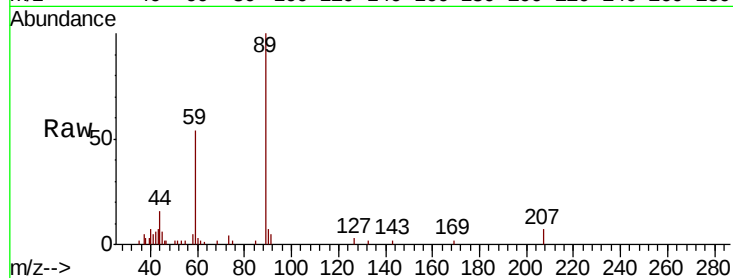




#11
Tert butyl alcohol
Concen: 44.826 ug/l
RT: 5.13 min Scan# 530
Delta R.T. -0.03 min
Lab File: VW008869.D
Acq: 27 Feb 2019 21:43

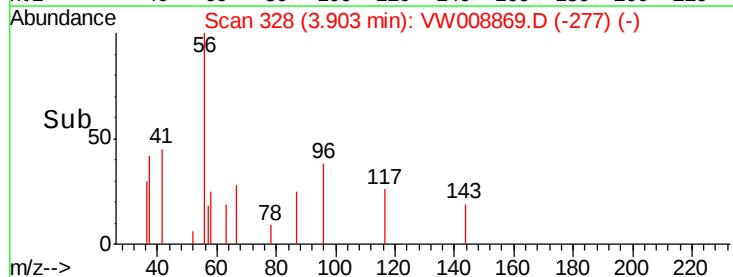
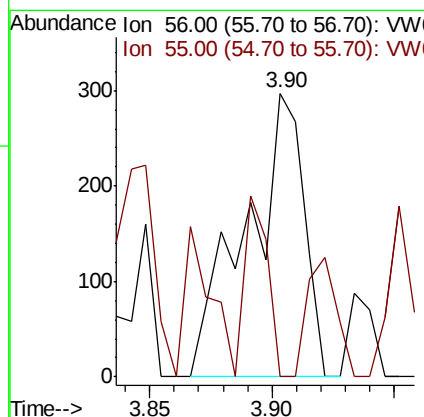
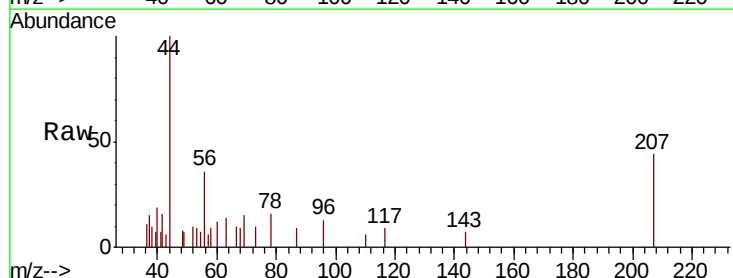
Instrument :
MSVOA_W
ClientSampled :

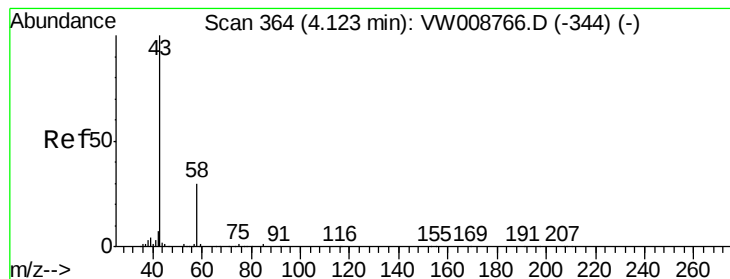
Tot Ion: 59 Resp: 9336
Ion Ratio Lower Upper
59 100
57 1.6 9.3 13.9#



#13
Acrolein
Concen: 21.830 ug/l
RT: 3.90 min Scan# 328
Delta R.T. 0.01 min
Lab File: VW008869.D
Acq: 27 Feb 2019 21:43

Tgt Ion: 56 Resp: 489
Ion Ratio Lower Upper
56 100
55 24.9 56.9 85.3#





#16

Acetone

Concen: 39.219 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW008869.D

Acq: 27 Feb 2019 21:43

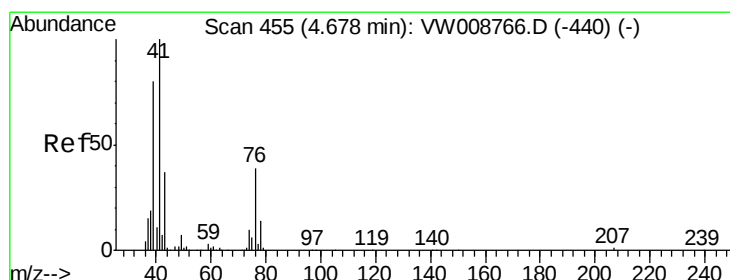
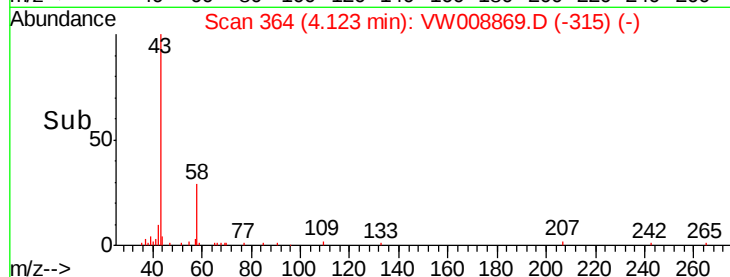
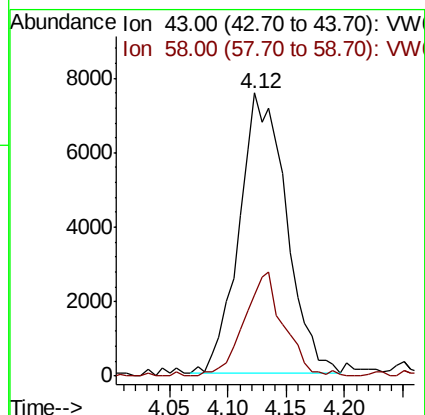
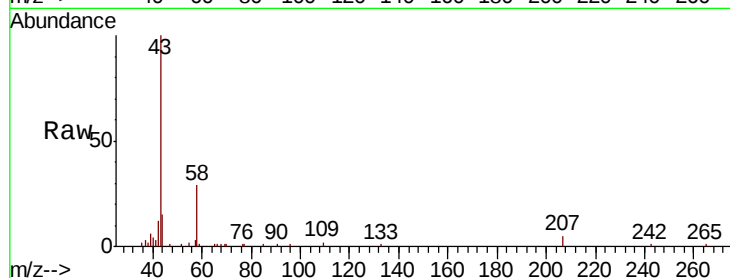
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 21267

Ion Ratio Lower Upper

43 100

58 29.1 23.8 35.6



#18

Methyl Acetate

Concen: 2.291 ug/l

RT: 4.68 min Scan# 456

Delta R.T. 0.01 min

Lab File: VW008869.D

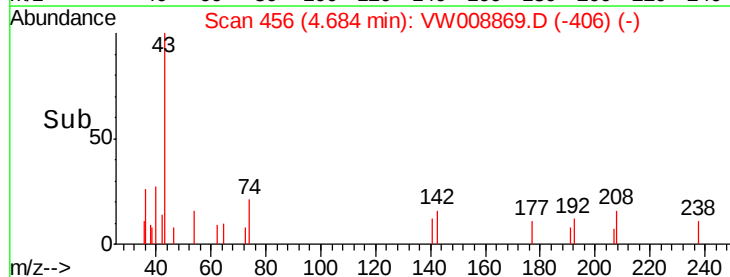
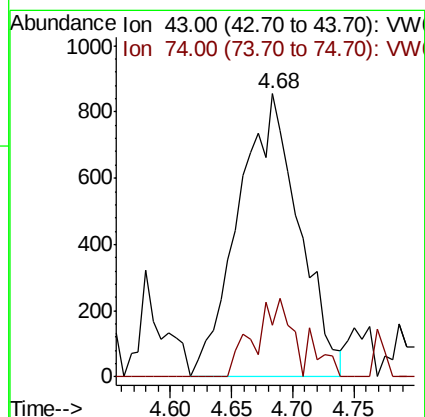
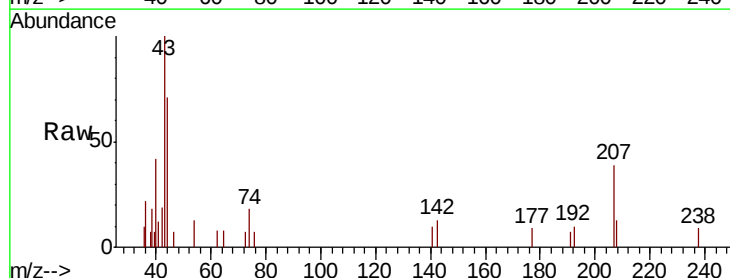
Acq: 27 Feb 2019 21:43

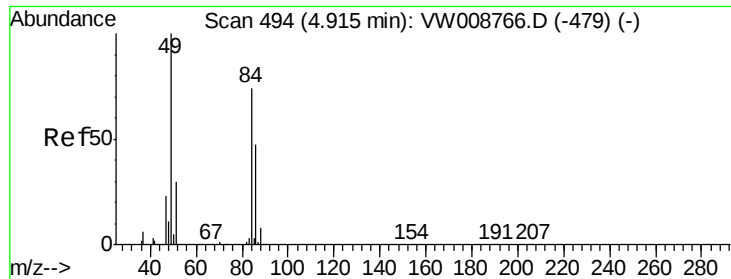
Tgt Ion: 43 Resp: 2946

Ion Ratio Lower Upper

43 100

74 16.1 19.4 29.2#

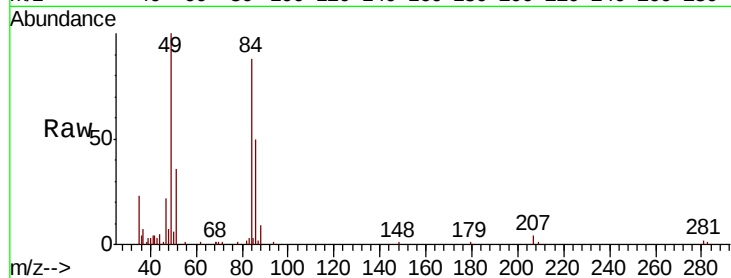




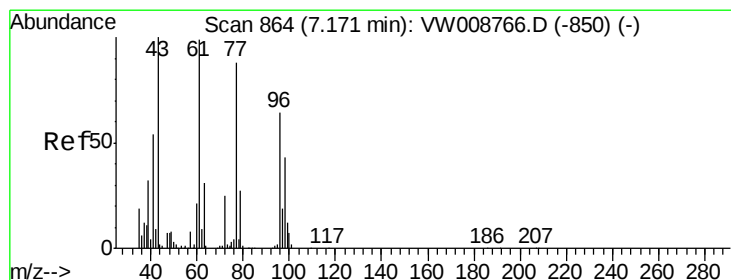
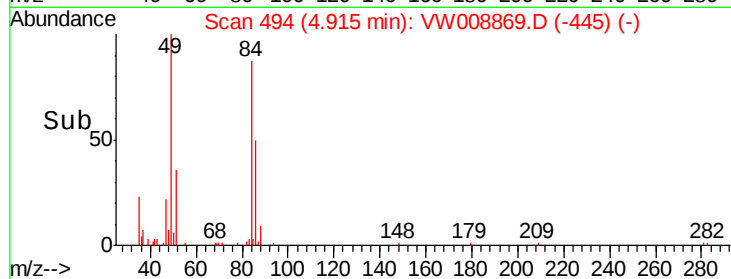
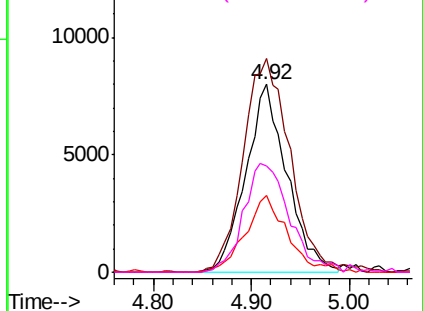
#20
Methvlene Chloride
Concen: 4.048 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW008869.D
Acq: 27 Feb 2019 21:43

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	84	Resp:	23355
Ion	Ratio	Lower	Upper
84	100		
49	113.6	108.2	162.2
51	40.7	32.7	49.1
86	56.4	50.3	75.5

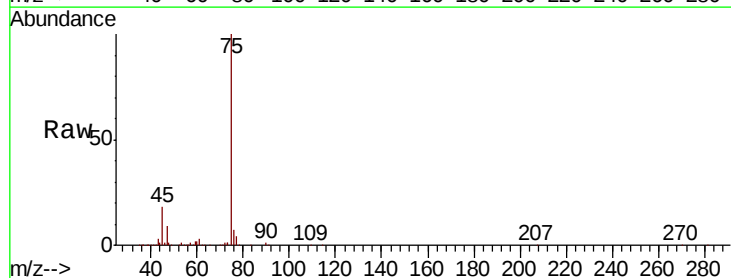


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

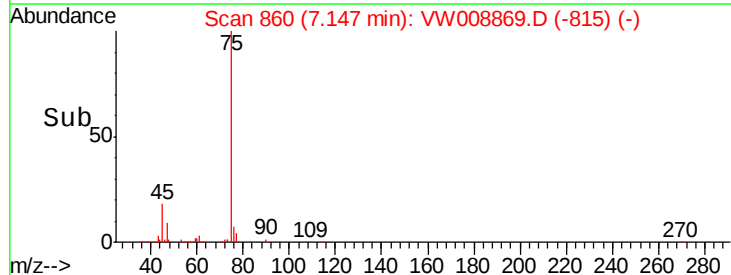
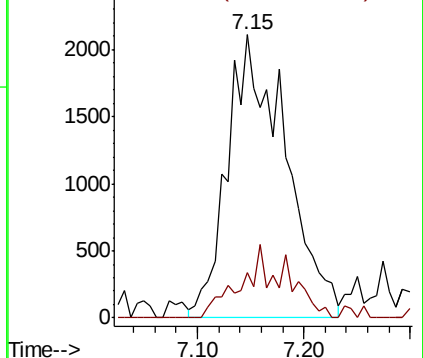


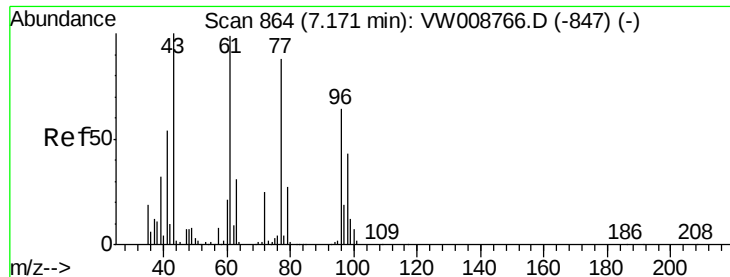
#25
2-Butanone
Concen: 10.588 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.02 min
Lab File: VW008869.D
Acq: 27 Feb 2019 21:43

Tgt Ion:	43	Resp:	8027
Ion	Ratio	Lower	Upper
43	100		
72	16.5	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: 1.687 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.02 min

Lab File: VW008869.D

Acq: 27 Feb 2019 21:43

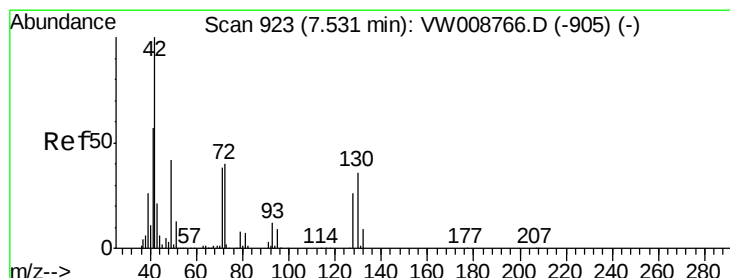
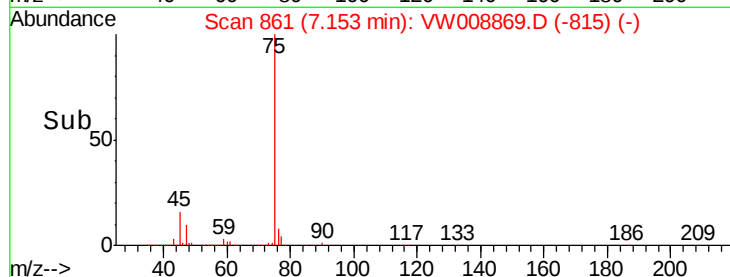
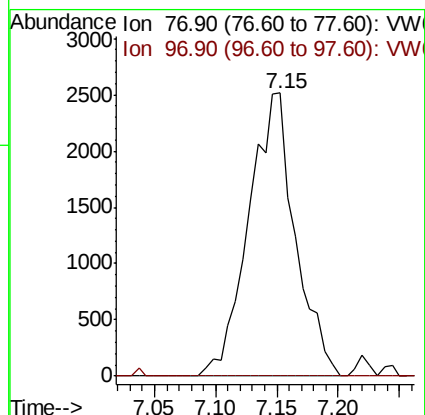
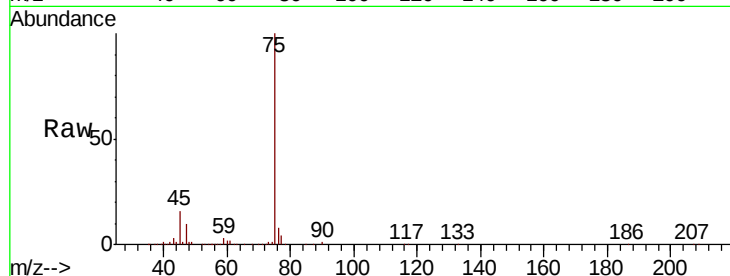
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 77 Resp: 6674

Ion Ratio Lower Upper

77 100

97 0.0 11.0 33.0#



#29

Tetrahydrofuran

Concen: 4.396 ug/l

RT: 7.55 min Scan# 926

Delta R.T. 0.02 min

Lab File: VW008869.D

Acq: 27 Feb 2019 21:43

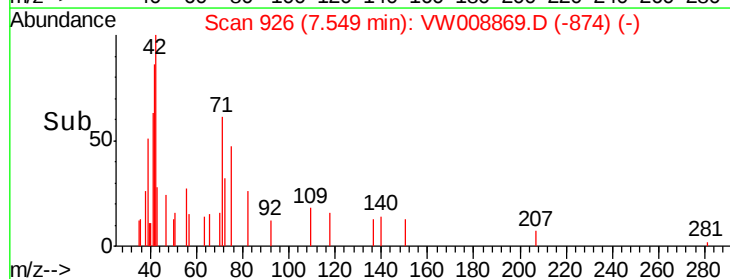
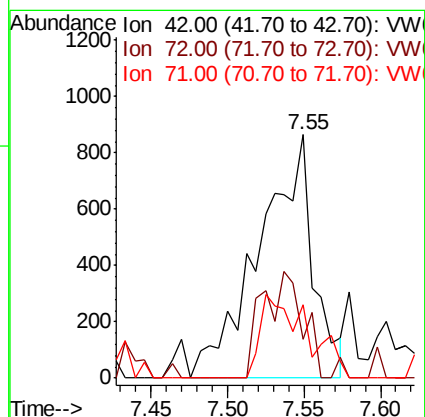
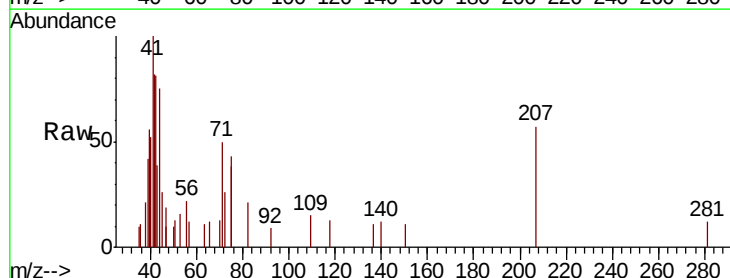
Tgt Ion: 42 Resp: 2124

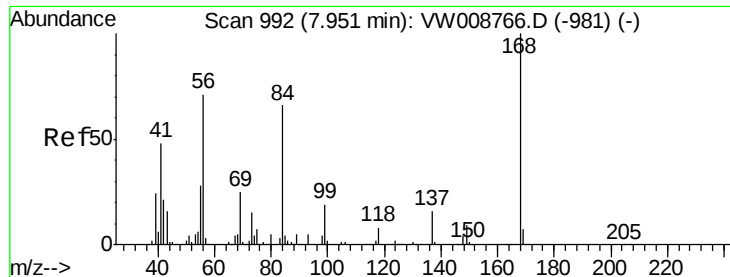
Ion Ratio Lower Upper

42 100

72 0.0 32.7 49.1#

71 0.0 31.3 46.9#

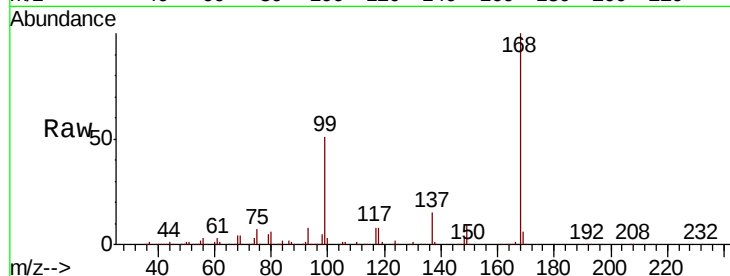




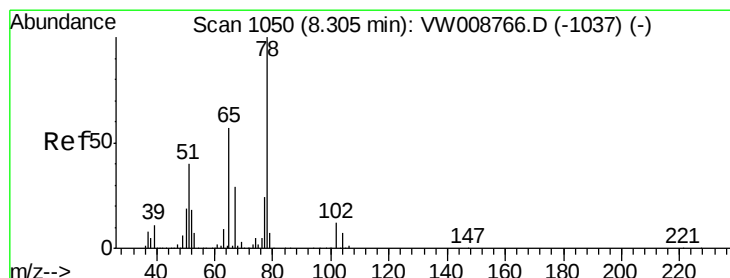
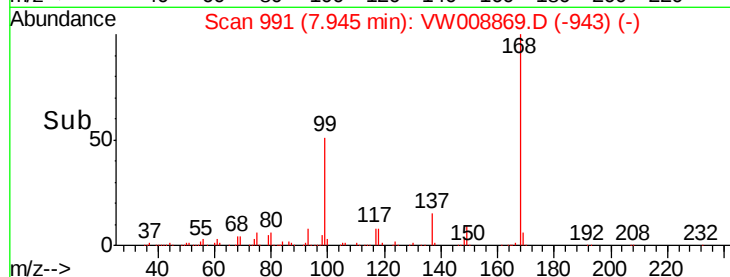
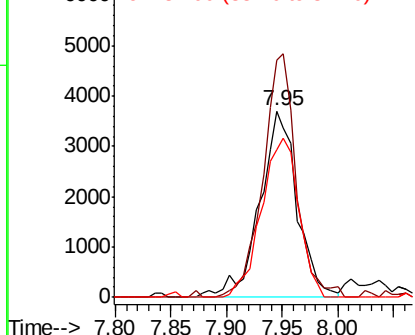
#31
Cyclohexane
Concen: 1.956 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008869.D
Acq: 27 Feb 2019 21:43

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 8628
Ion Ratio Lower Upper
56 100
69 127.0 28.2 42.4#
84 79.0 74.1 111.1

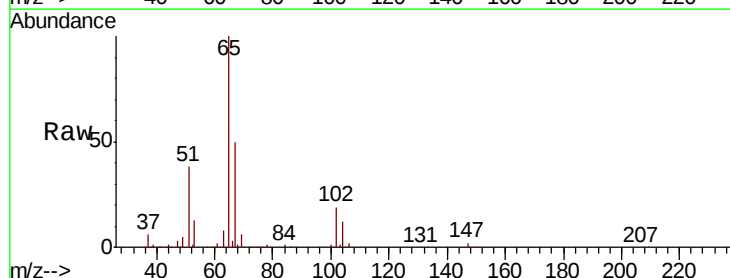


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

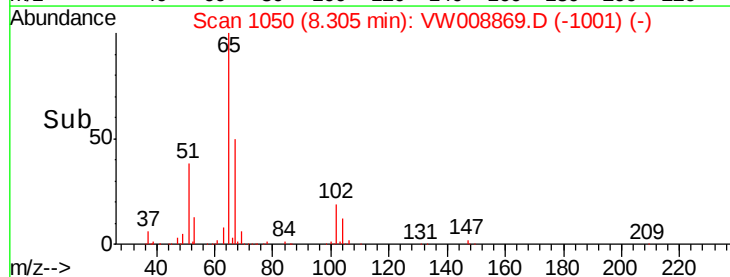
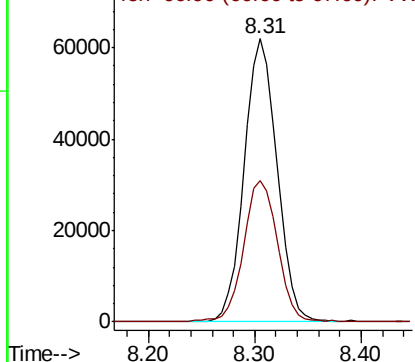


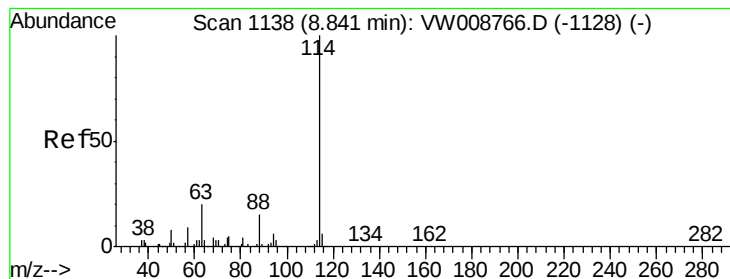
#33
1,2-Dichloroethane-d4
Concen: 57.517 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW008869.D
Acq: 27 Feb 2019 21:43

Tgt Ion: 65 Resp: 134555
Ion Ratio Lower Upper
65 100
67 51.6 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: VW008869.D

Acq: 27 Feb 2019 21:43

Instrument :

MSVOA_W

ClientSampleId :

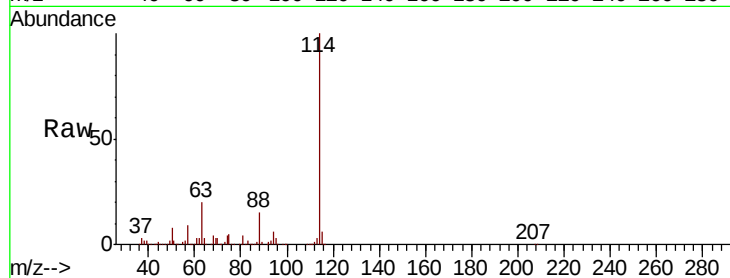
Tot Ion:114 Resp: 378161

Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.8

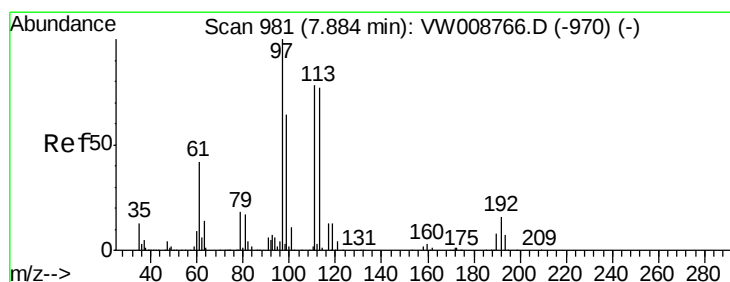
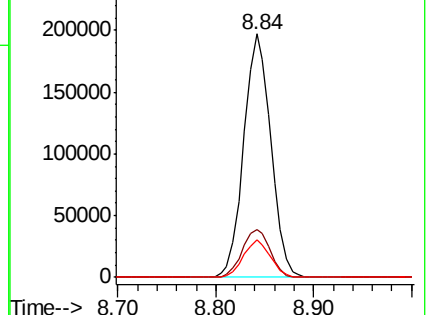
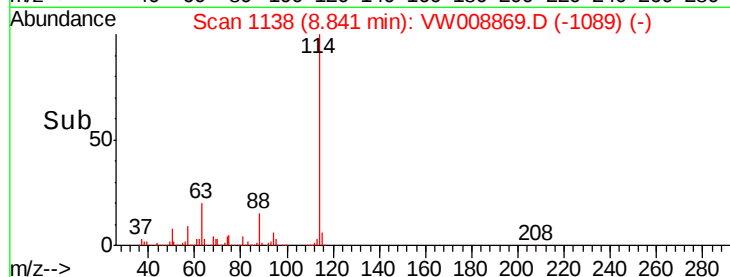
88 15.4 0.0 30.4



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: 49.529 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008869.D

Acq: 27 Feb 2019 21:43

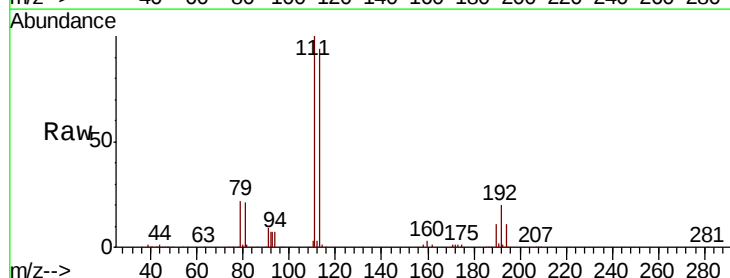
Tgt Ion:113 Resp: 112456

Ion Ratio Lower Upper

113 100

111 104.2 81.9 122.9

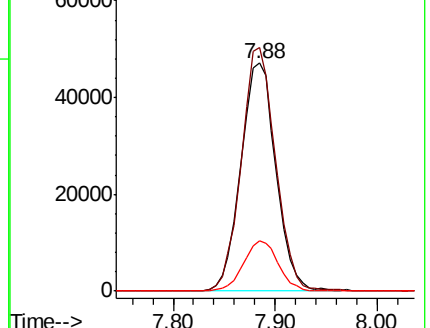
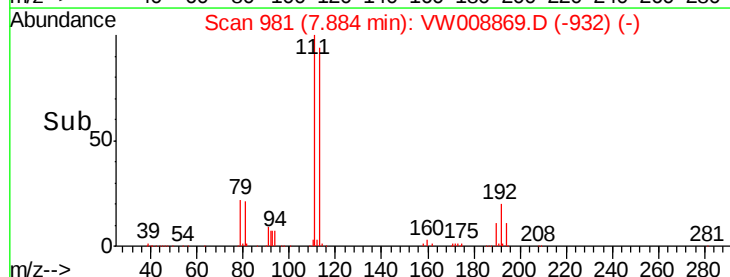
192 21.9 17.1 25.7

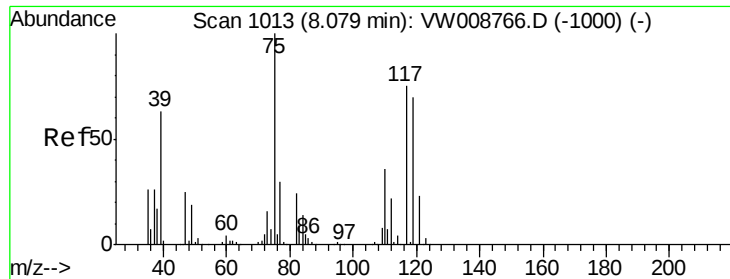


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.178 ug/l

RT: 7.95 min Scan# 992

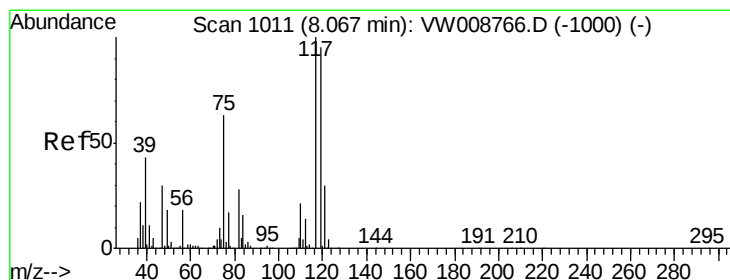
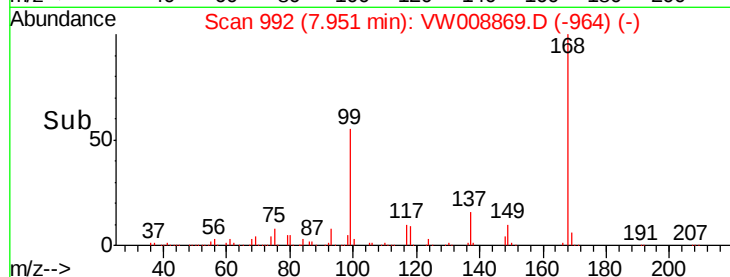
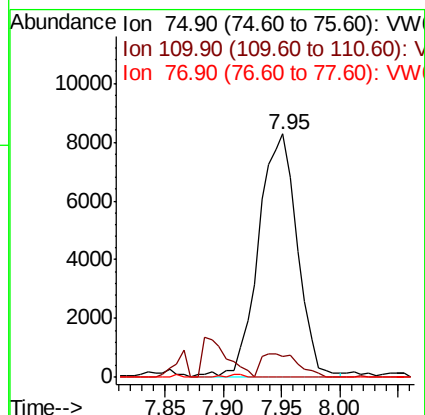
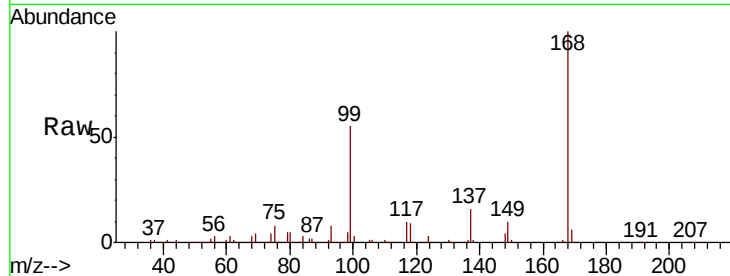
Delta R.T. -0.13 min

Lab File: VW008869.D

Acq: 27 Feb 2019 21:43

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	75	Resp:	19060
Ion	Ratio	Lower	Upper
75	100		
110	9.3	17.5	52.6#
77	0.0	24.5	36.7#



#38

Carbon Tetrachloride

Concen: 6.161 ug/l

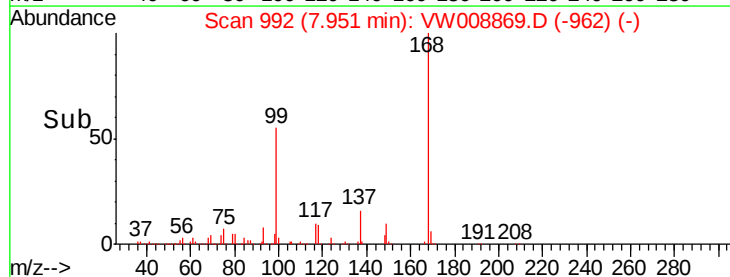
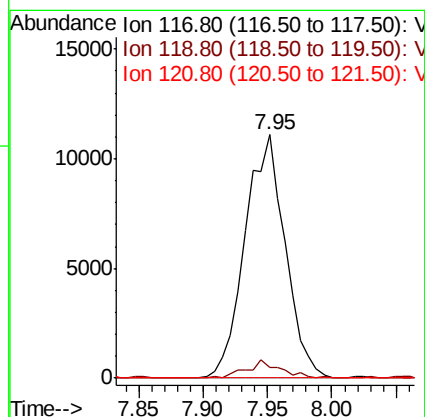
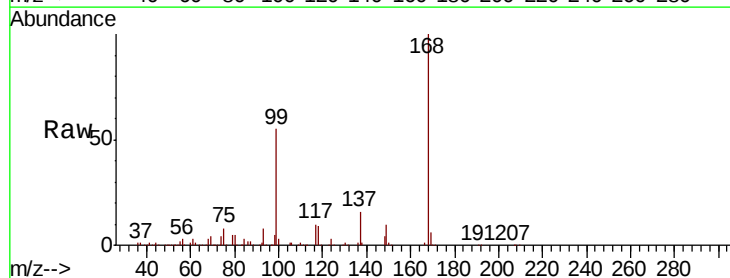
RT: 7.95 min Scan# 992

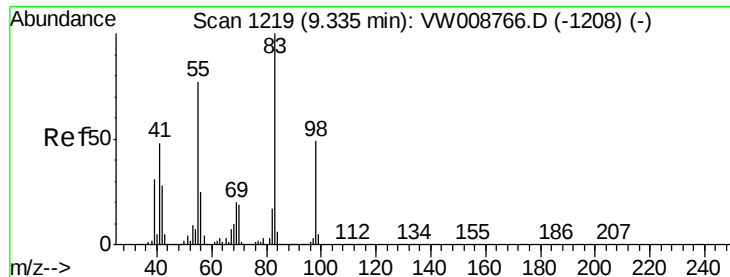
Delta R.T. -0.12 min

Lab File: VW008869.D

Acq: 27 Feb 2019 21:43

Tgt Ion:	117	Resp:	23919
Ion	Ratio	Lower	Upper
117	100		
119	4.5	76.1	114.1#
121	0.0	24.0	36.0#

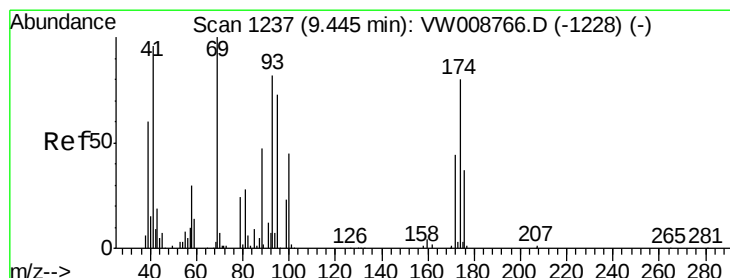
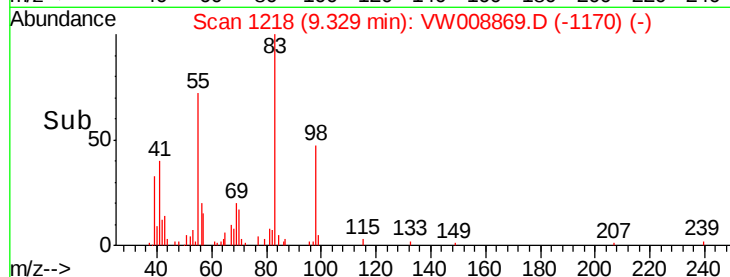
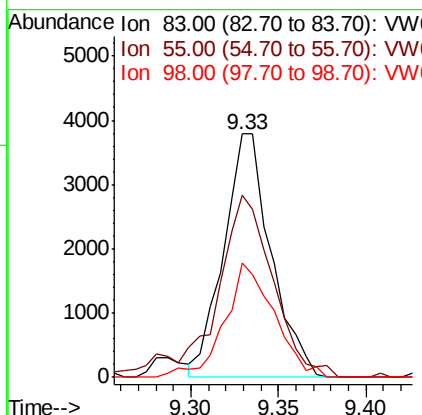
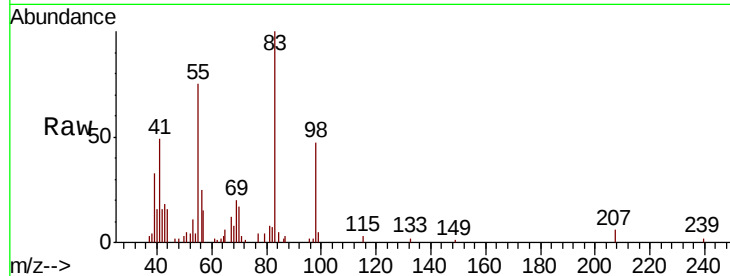




#39
Methylcyclohexane
Concen: 1.555 ug/l
RT: 9.33 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW008869.D
Acq: 27 Feb 2019 21:43

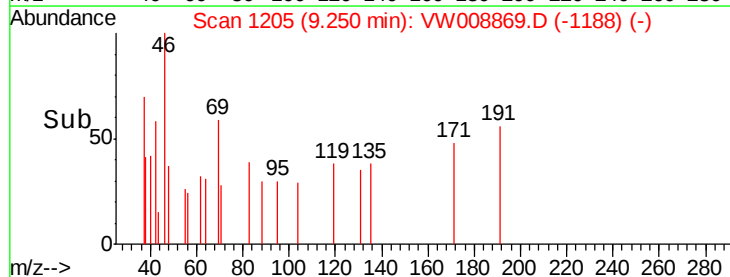
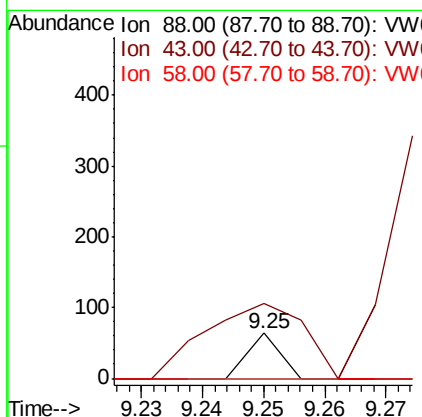
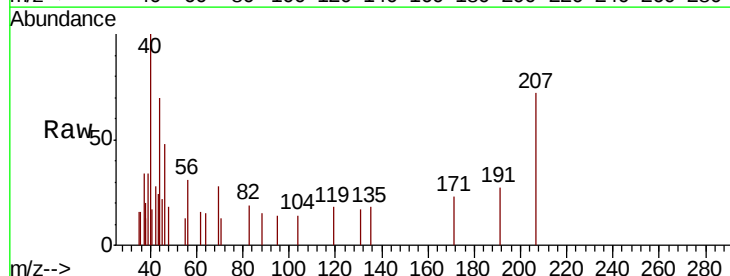
Instrument :
MSVOA_W
ClientSampled :

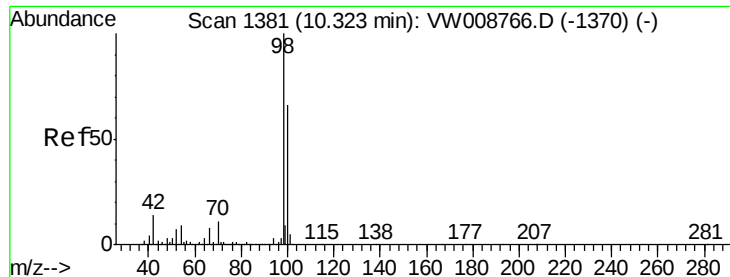
Tot Ion	Ratio	Lower	Upper
83	100		
55	74.8	61.2	91.8
98	47.0	39.4	59.2



#49
1,4-Dioxane
Concen: 1.040 ug/l
RT: 9.25 min Scan# 1205
Delta R.T. -0.20 min
Lab File: VW008869.D
Acq: 27 Feb 2019 21:43

Tgt Ion	Ratio	Lower	Upper
88	100		
43	517.4	29.0	43.4#
58	0.0	52.0	78.0#





#50

Toluene-d8

Concen: 48.851 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008869.D

Acq: 27 Feb 2019 21:43

Instrument :

MSVOA_W

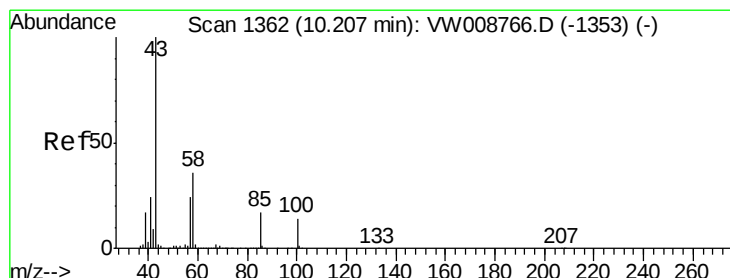
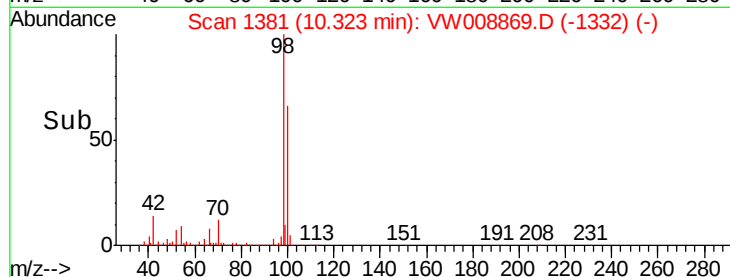
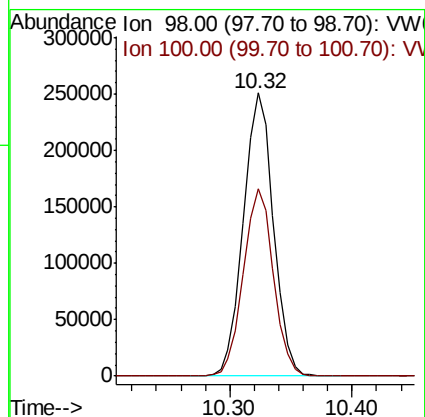
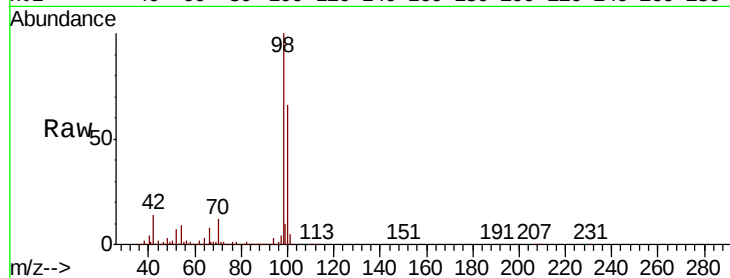
ClientSampled :

Tot Ion: 98 Resp: 428176

Ion Ratio Lower Upper

98 100

100 66.1 52.4 78.6



#51

4-Methyl-2-Pentanone

Concen: 1.157 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW008869.D

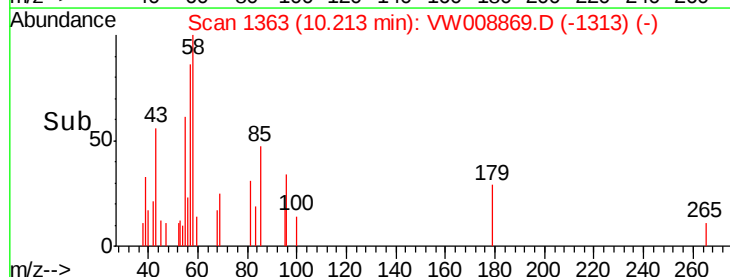
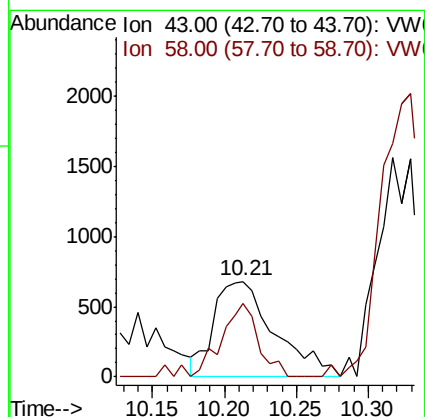
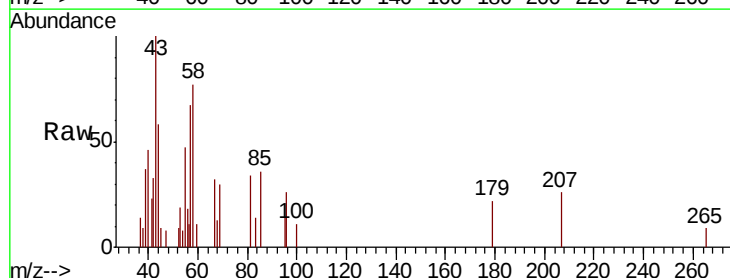
Acq: 27 Feb 2019 21:43

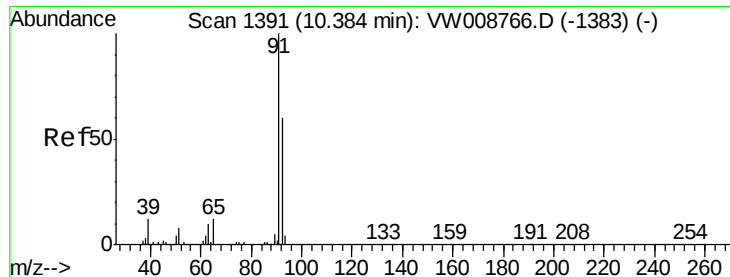
Tgt Ion: 43 Resp: 2007

Ion Ratio Lower Upper

43 100

58 46.3 29.1 43.7#





#52

Toluene

Concen: 1.659 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW008869.D

Acq: 27 Feb 2019 21:43

Instrument :

MSVOA_W

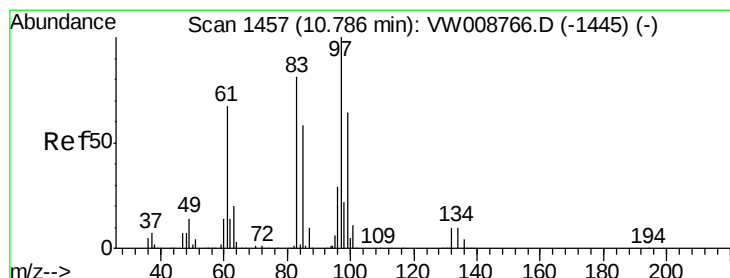
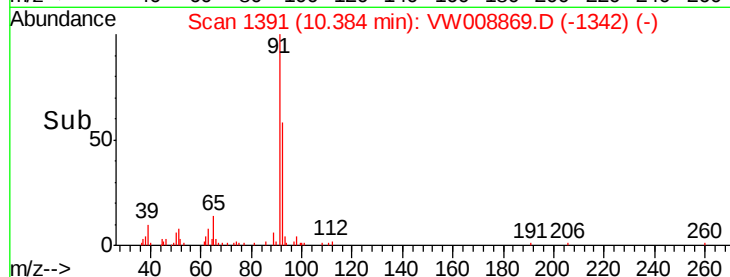
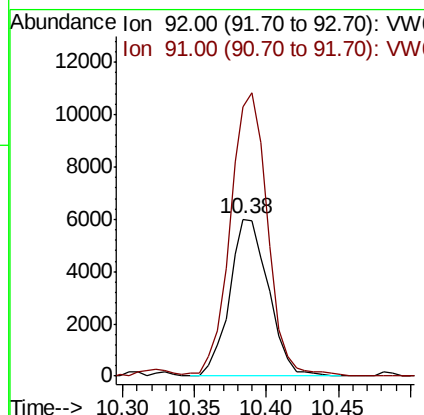
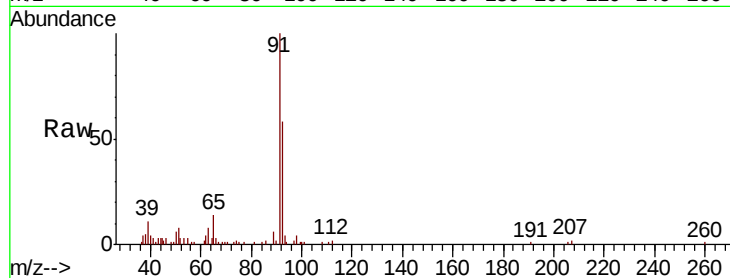
ClientSampleId :

Tot Ion: 92 Resp: 11315

Ion Ratio Lower Upper

92 100

91 173.3 136.9 205.3



#55

1,1,2-Trichloroethane

Concen: 2.069 ug/l

RT: 10.76 min Scan# 1453

Delta R.T. -0.02 min

Lab File: VW008869.D

Acq: 27 Feb 2019 21:43

Tgt Ion: 97 Resp: 3877

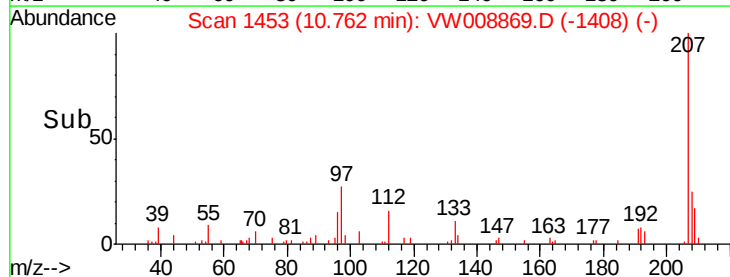
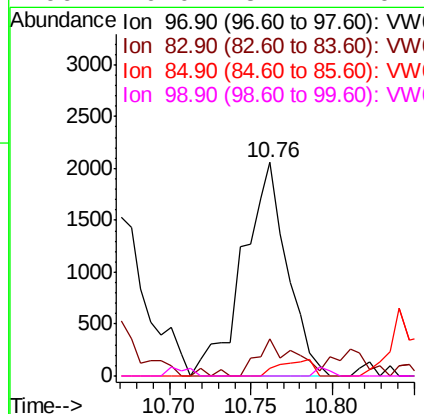
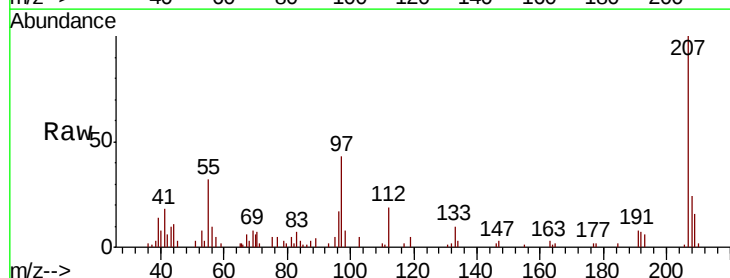
Ion Ratio Lower Upper

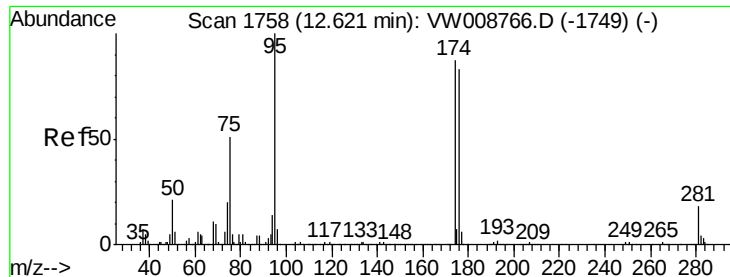
97 100

83 17.1 65.0 97.6#

85 3.3 46.0 69.0#

99 0.0 51.1 76.7#

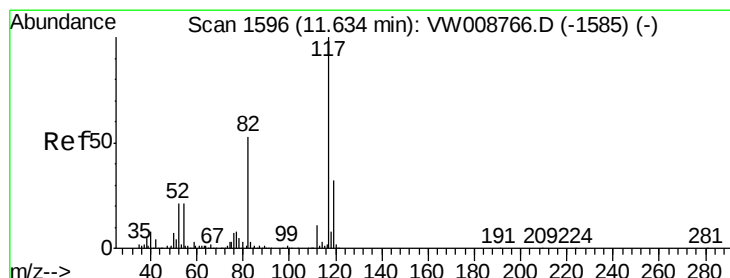
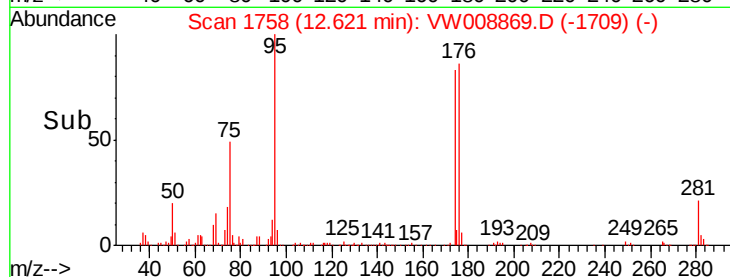
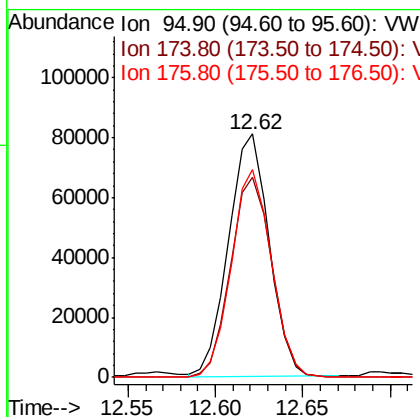
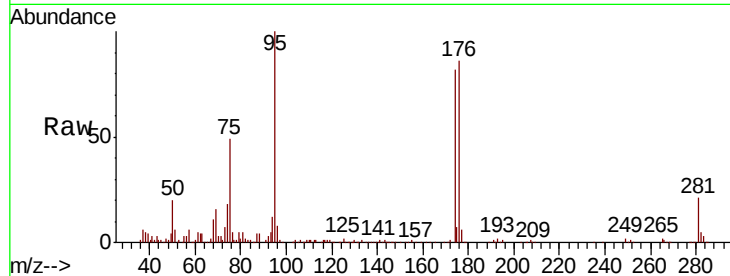




#62
4-Bromofluorobenzene
Concen: 38.096 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW008869.D
Acq: 27 Feb 2019 21:43

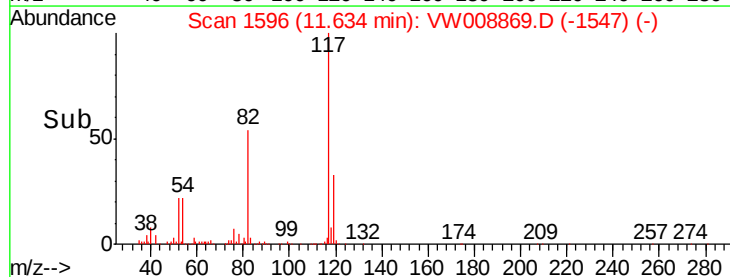
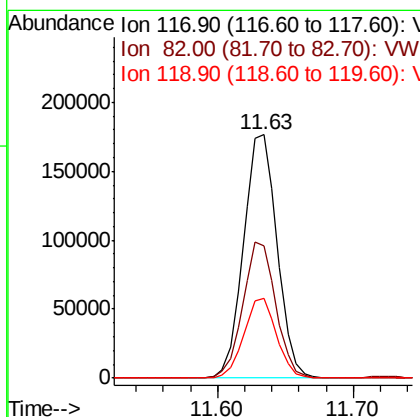
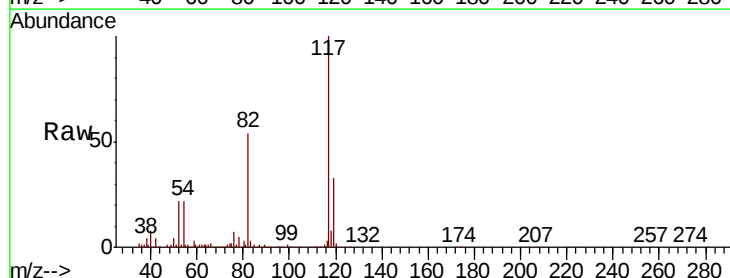
Instrument :
MSVOA_W
ClientSampled :

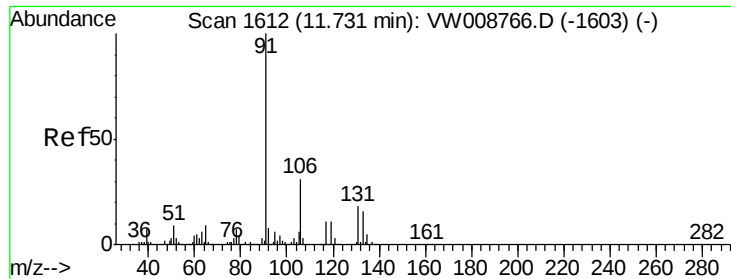
Tot Ion: 95 Resp: 130739
Ion Ratio Lower Upper
95 100
174 84.0 0.0 169.2
176 84.5 0.0 163.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008869.D
Acq: 27 Feb 2019 21:43

Tgt Ion: 117 Resp: 304342
Ion Ratio Lower Upper
117 100
82 53.9 42.2 63.4
119 32.8 25.9 38.9





#67

Ethyl Benzene

Concen: 3.161 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008869.D

Acq: 27 Feb 2019 21:43

Instrument :

MSVOA_W

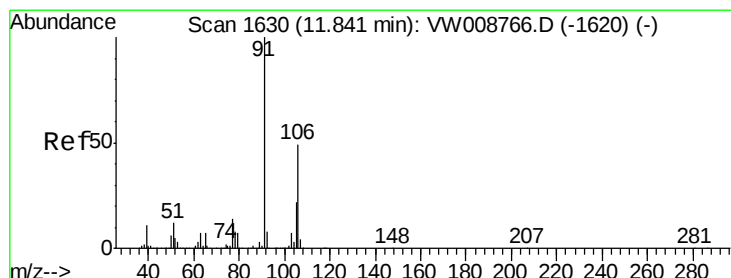
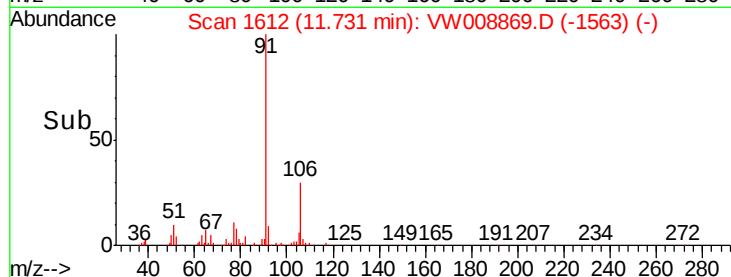
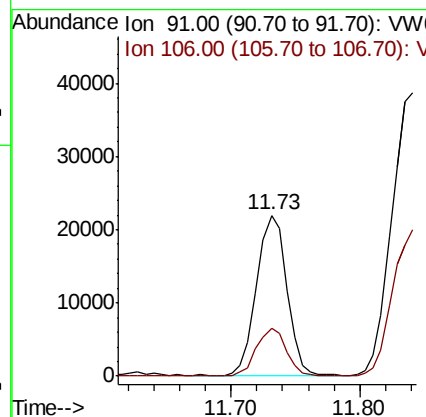
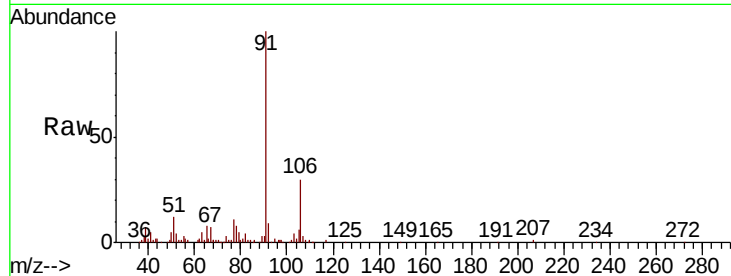
ClientSampleId :

Tot Ion: 91 Resp: 36166

Ion Ratio Lower Upper

91 100

106 30.0 25.0 37.6



#68

m/p-Xylenes

Concen: 7.976 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW008869.D

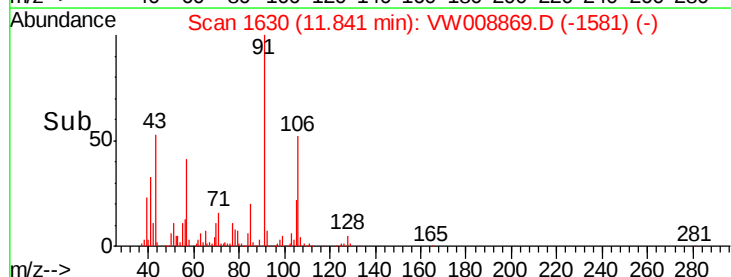
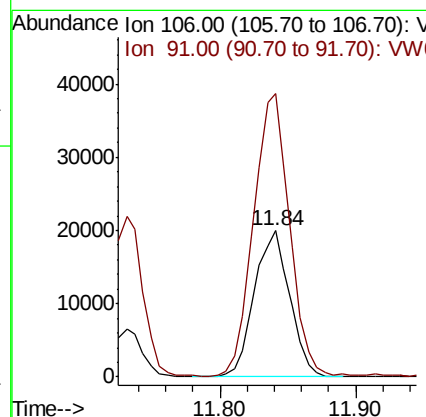
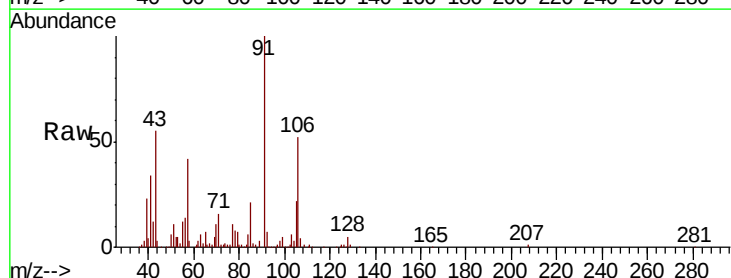
Acq: 27 Feb 2019 21:43

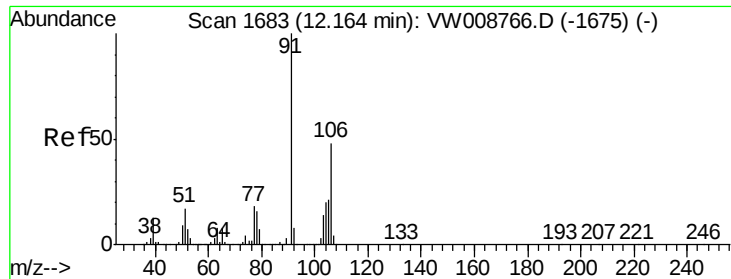
Tgt Ion: 106 Resp: 36455

Ion Ratio Lower Upper

106 100

91 197.9 161.5 242.3

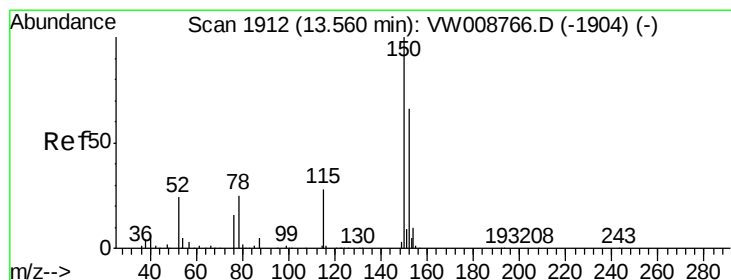
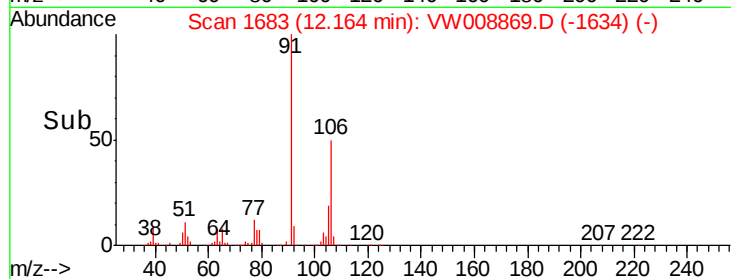
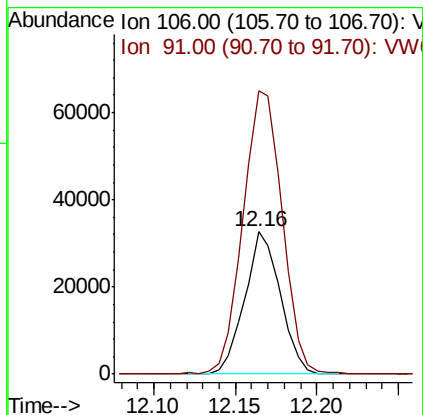
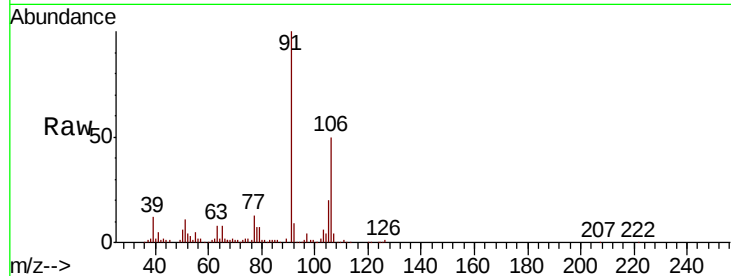




#69
o-Xylene
Concen: 11.658 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW008869.D
Acq: 27 Feb 2019 21:43

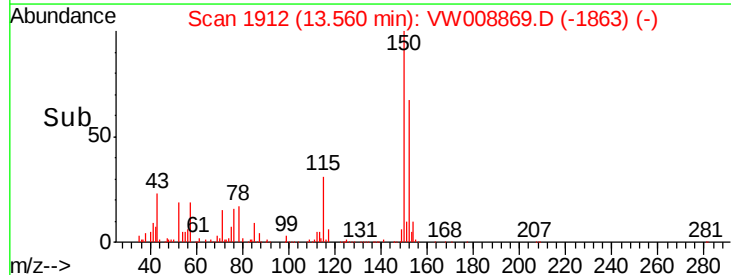
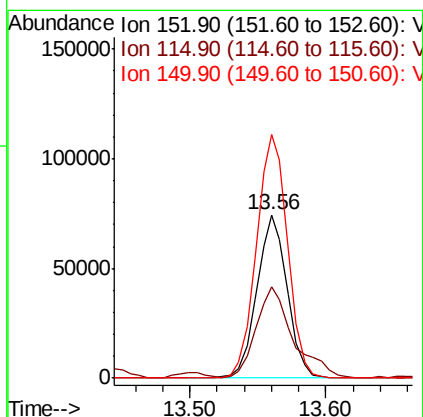
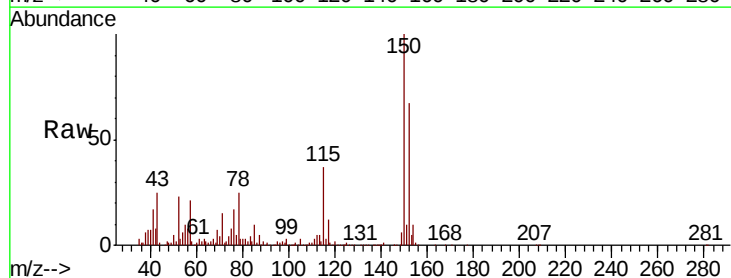
Instrument :
MSVOA_W
ClientSampled :

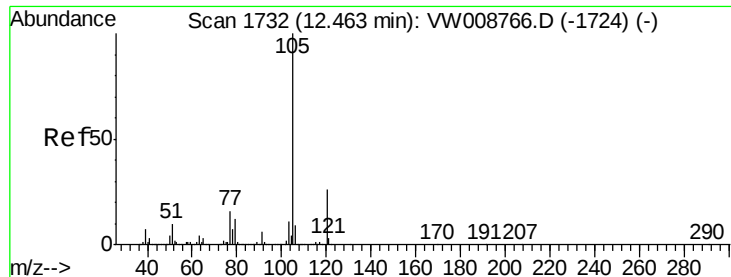
Tot Ion:106 Resp: 50016
Ion Ratio Lower Upper
106 100
91 218.2 106.2 318.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008869.D
Acq: 27 Feb 2019 21:43

Tgt Ion:152 Resp: 115844
Ion Ratio Lower Upper
152 100
115 68.0 28.6 85.8
150 153.5 0.0 348.0





#73

Isopropylbenzene

Concen: 2.948 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW008869.D

Acq: 27 Feb 2019 21:43

Instrument :

MSVOA_W

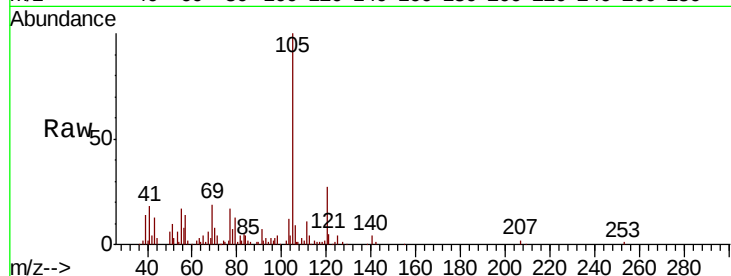
ClientSampleId :

Tot Ion:105 Resp: 23408

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

12.47

15000

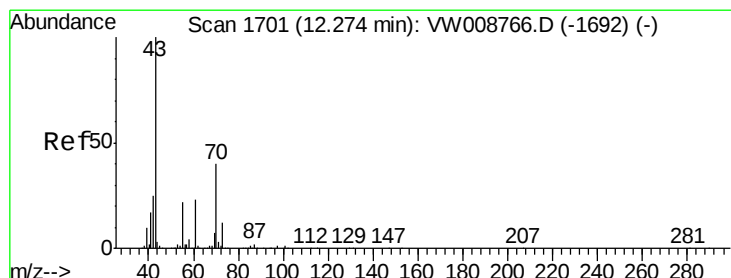
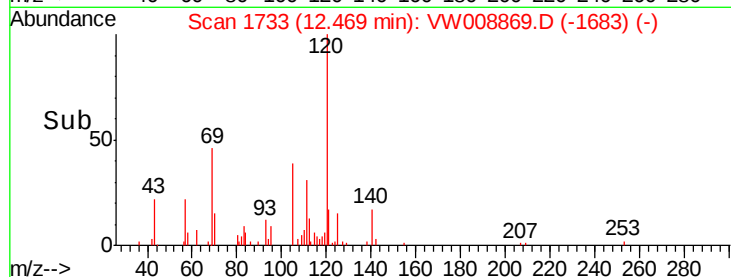
10000

5000

0

Time-->

12.40 12.45 12.50



#74

N-ethyl acetate

Concen: 4.869 ug/l

RT: 12.26 min Scan# 1698

Delta R.T. -0.02 min

Lab File: VW008869.D

Acq: 27 Feb 2019 21:43

Tgt Ion: 43 Resp: 9741

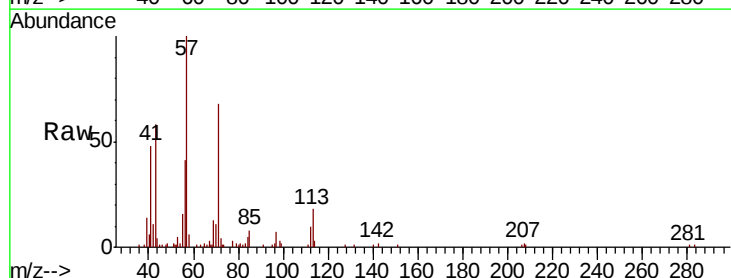
Ion Ratio Lower Upper

43 100

70 24.9 31.0 46.6#

55 0.0 18.7 28.1#

61 0.7 18.1 27.1#



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

8000

6000

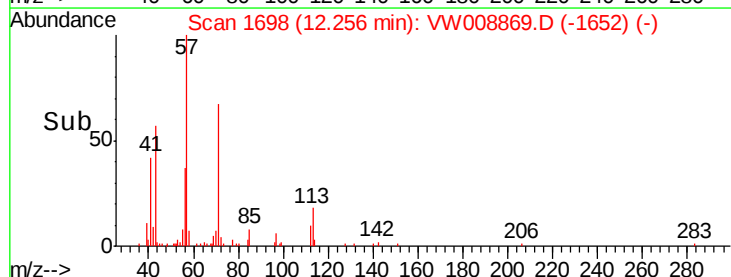
4000

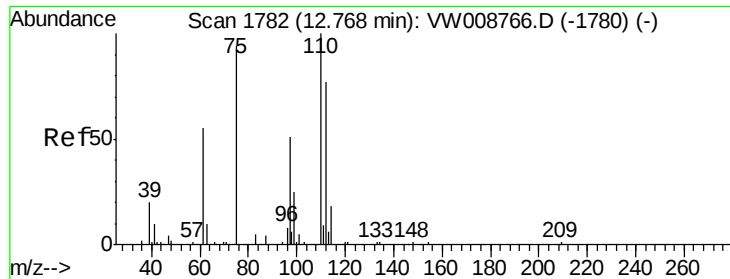
2000

0

Time-->

12.20 12.25 12.30

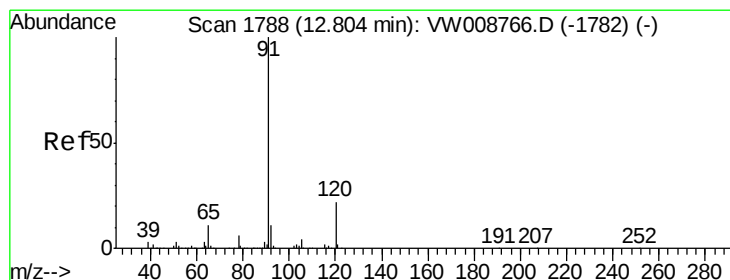
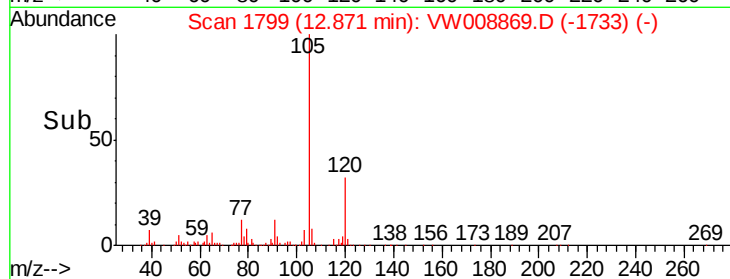
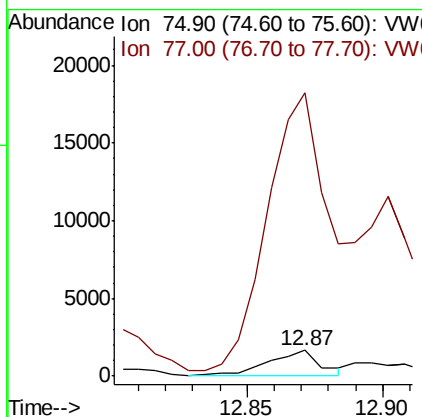
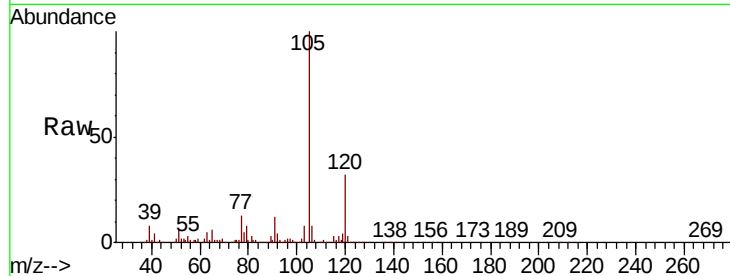




#76
 1,2,3-Trichloropropane
 Concen: 2.298 ug/l
 RT: 12.87 min Scan# 1799
 Delta R.T. 0.10 min
 Lab File: VW008869.D
 Acq: 27 Feb 2019 21:43

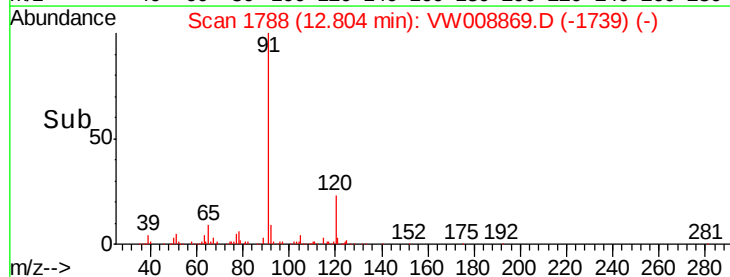
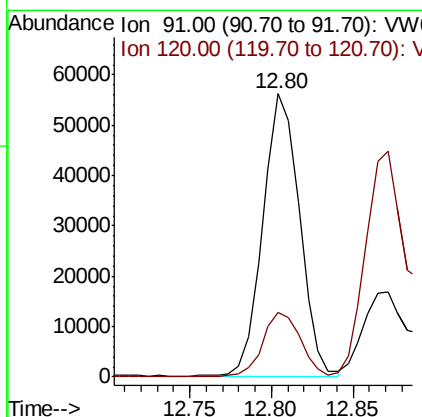
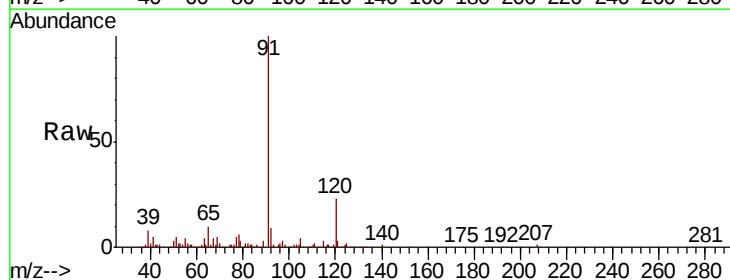
Instrument :
 MSVOA_W
 ClientSampled :

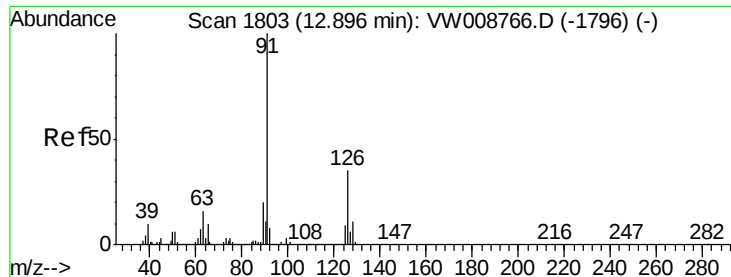
Tot Ion: 75 Resp: 2198
 Ion Ratio Lower Upper
 75 100
 77 1364.0 0.0 0.0#



#78
 n-propylbenzene
 Concen: 8.983 ug/l
 RT: 12.80 min Scan# 1788
 Delta R.T. 0.00 min
 Lab File: VW008869.D
 Acq: 27 Feb 2019 21:43

Tgt Ion: 91 Resp: 87262
 Ion Ratio Lower Upper
 91 100
 120 23.5 11.5 34.4

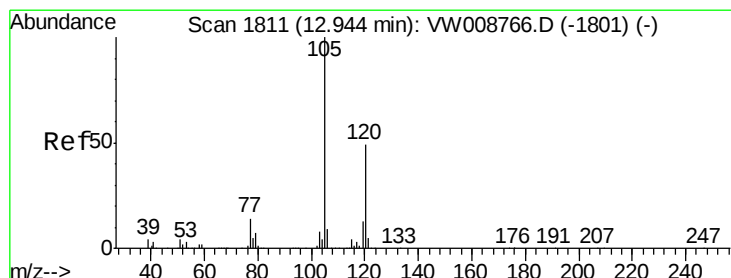
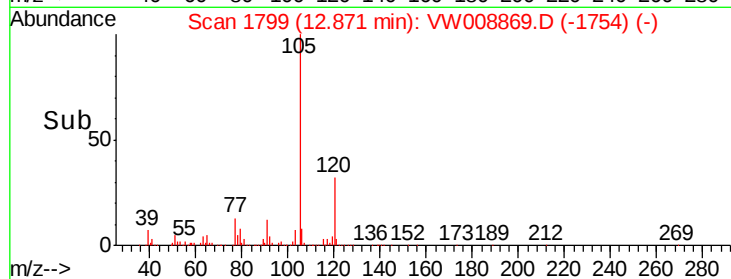
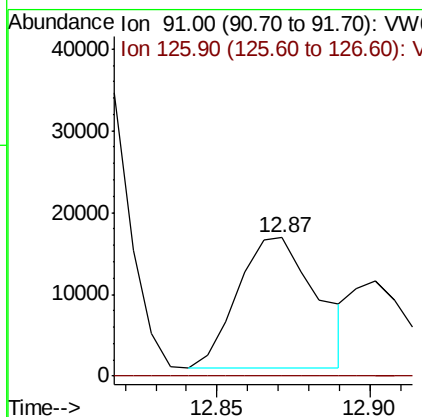
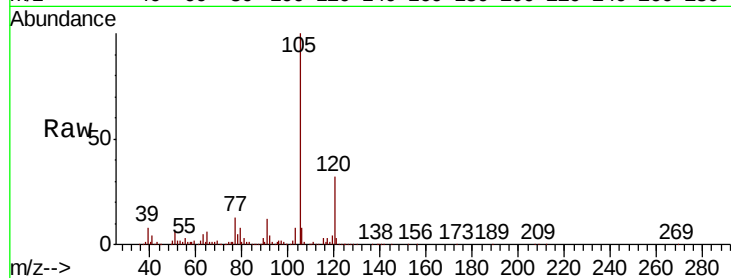




#79
 2-Chlorotoluene
 Concen: 5.152 ug/l
 RT: 12.87 min Scan# 1799
 Delta R.T. -0.02 min
 Lab File: VW008869.D
 Acq: 27 Feb 2019 21:43

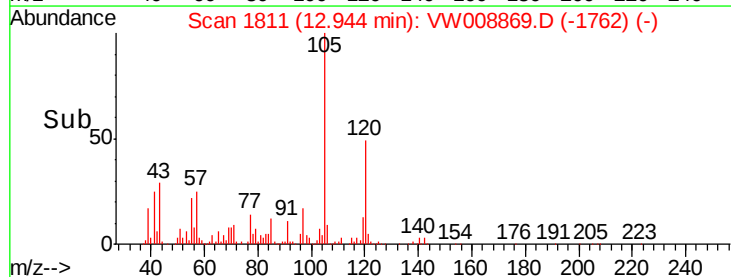
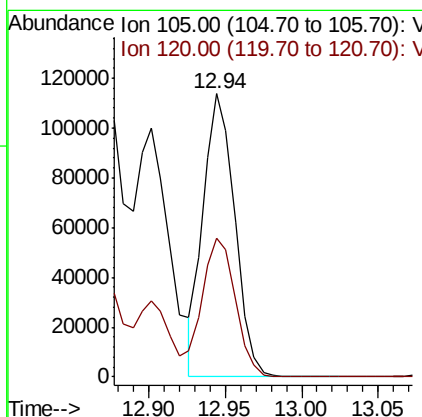
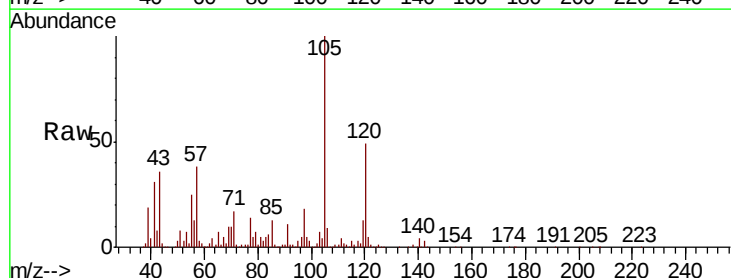
Instrument :
 MSVOA_W
 ClientSampleId :

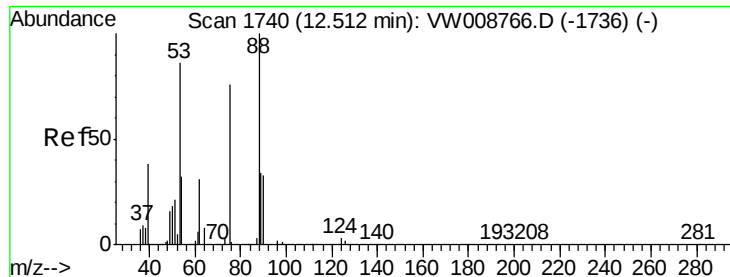
Tot Ion: 91 Resp: 28414
 Ion Ratio Lower Upper
 91 100
 126 0.4 17.0 51.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 23.661 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW008869.D
 Acq: 27 Feb 2019 21:43

Tgt Ion: 105 Resp: 163294
 Ion Ratio Lower Upper
 105 100
 120 52.6 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 174.801 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW008869.D

Acq: 27 Feb 2019 21:43

Instrument :

MSVOA_W

ClientSampled :

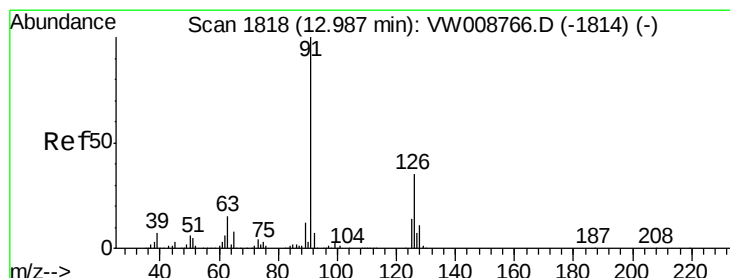
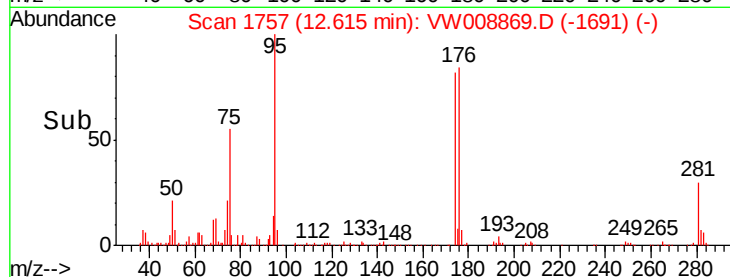
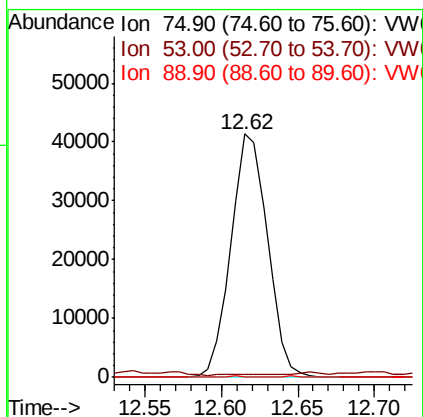
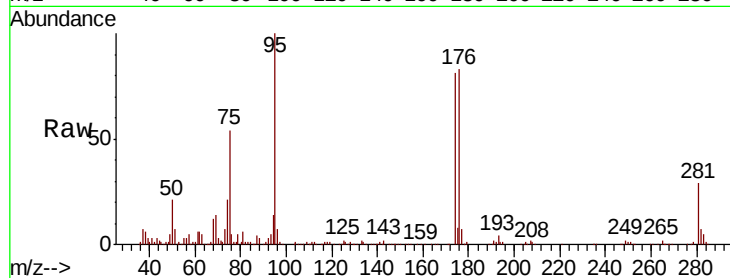
Tot Ion: 75 Resp: 68771

Ion Ratio Lower Upper

75 100

53 0.3 88.2 132.2#

89 0.3 39.5 59.3#



#82

4-Chlorotoluene

Concen: 3.260 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.04 min

Lab File: VW008869.D

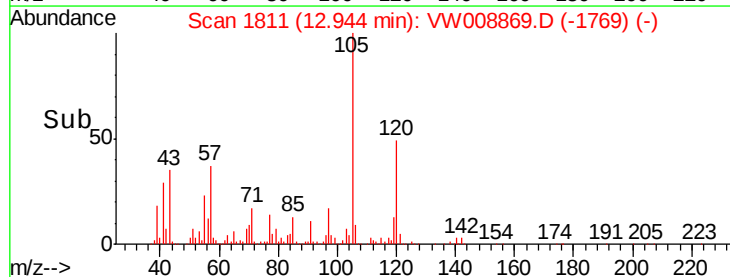
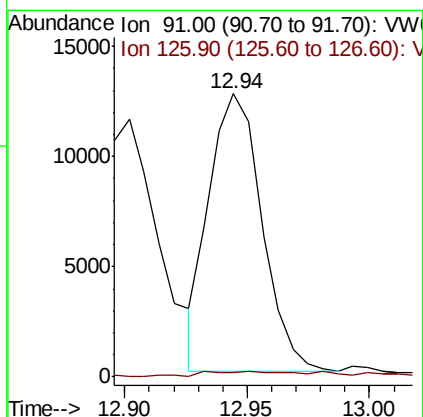
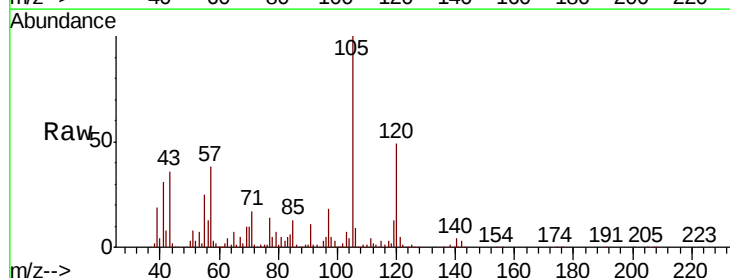
Acq: 27 Feb 2019 21:43

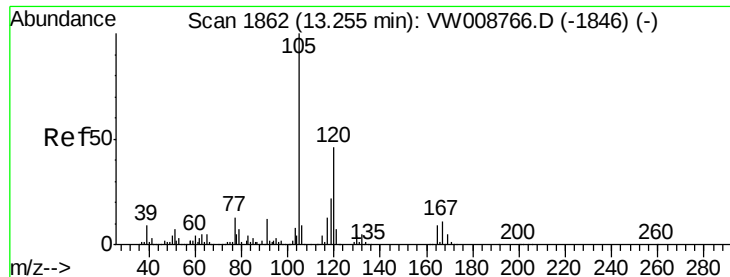
Tgt Ion: 91 Resp: 18948

Ion Ratio Lower Upper

91 100

126 1.4 17.2 51.6#

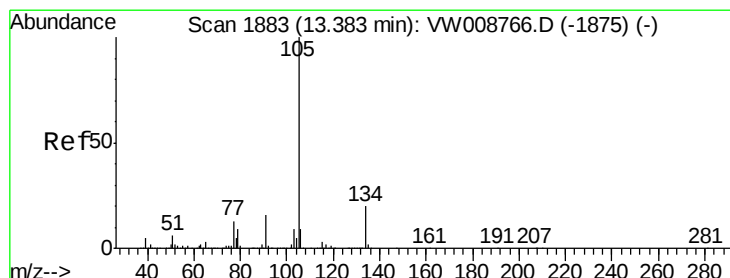
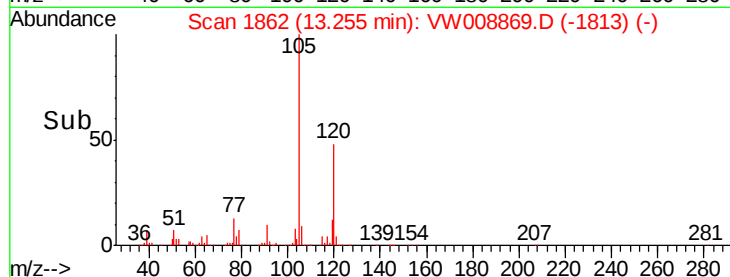
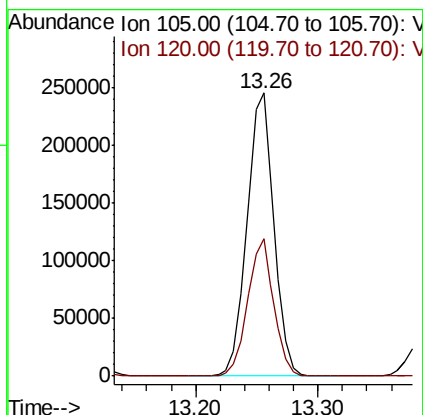
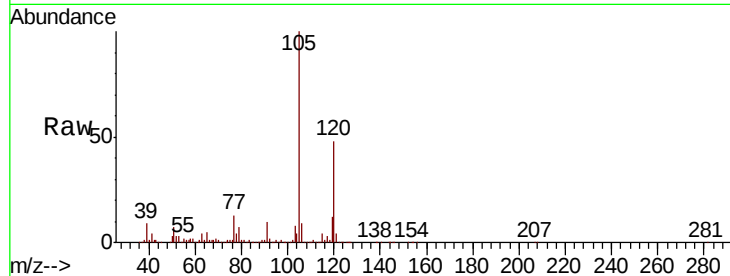




#84
1,2,4-Trimethylbenzene
Concen: 52.468 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW008869.D
Acq: 27 Feb 2019 21:43

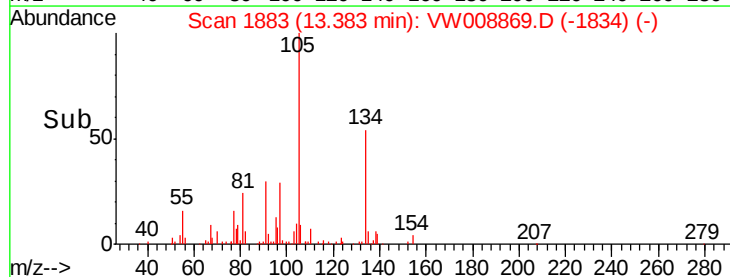
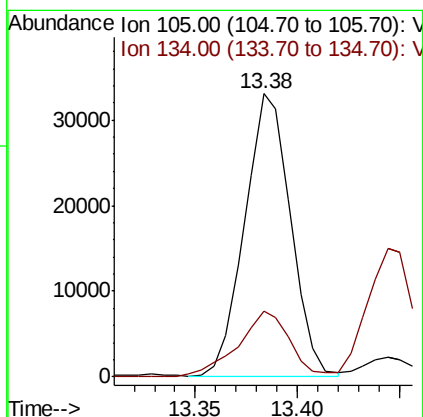
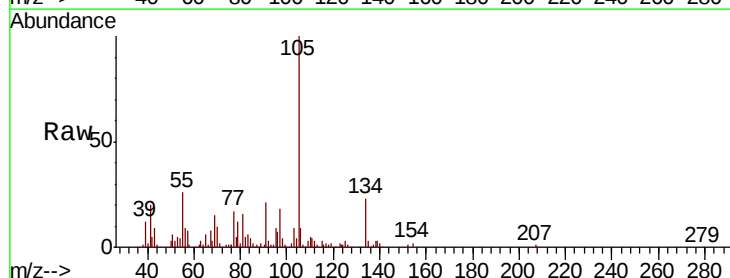
Instrument :
MSVOA_W
ClientSampled :

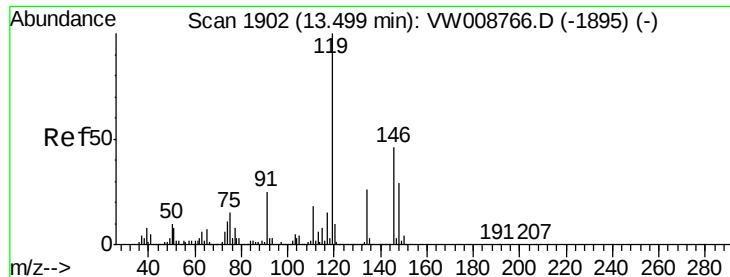
Tot Ion:105 Resp: 374835
Ion Ratio Lower Upper
105 100
120 47.2 22.8 68.4



#85
sec-Butylbenzene
Concen: 5.995 ug/l
RT: 13.38 min Scan# 1883
Delta R.T. 0.00 min
Lab File: VW008869.D
Acq: 27 Feb 2019 21:43

Tgt Ion:105 Resp: 51442
Ion Ratio Lower Upper
105 100
134 26.5 10.4 31.1

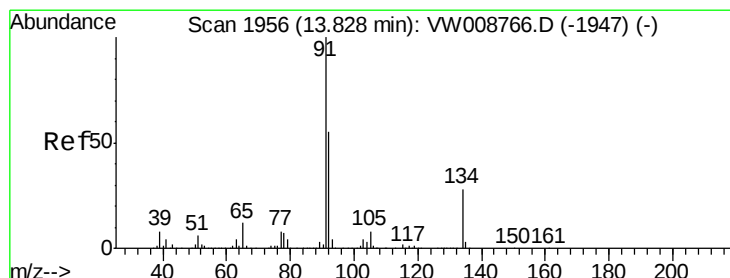
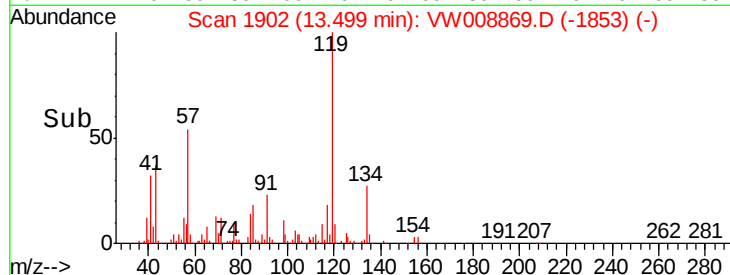
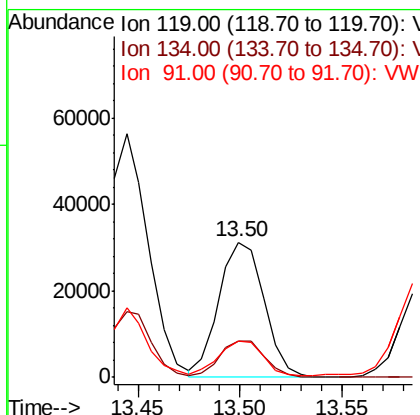
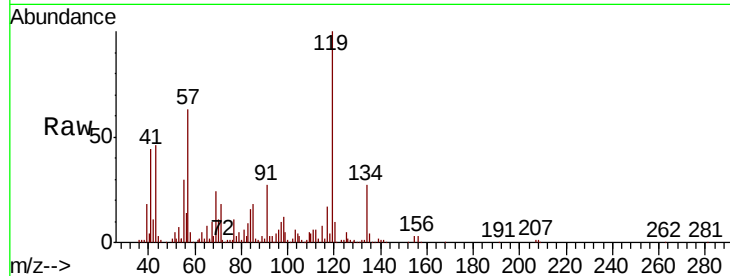




#86
p-Isopropyltoluene
Concen: 6.121 ug/l
RT: 13.50 min Scan# 1902
Delta R.T. 0.00 min
Lab File: VW008869.D
Acq: 27 Feb 2019 21:43

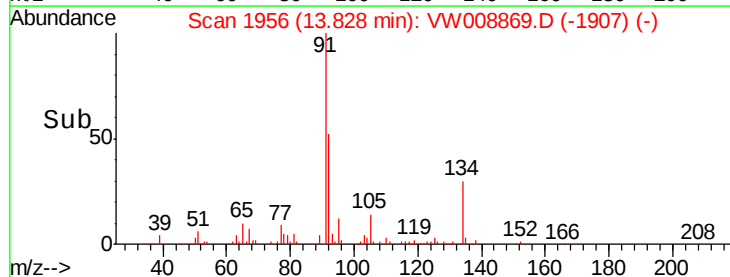
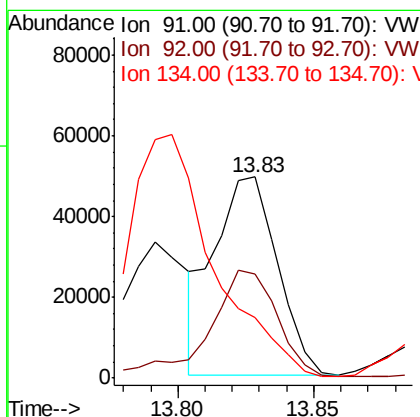
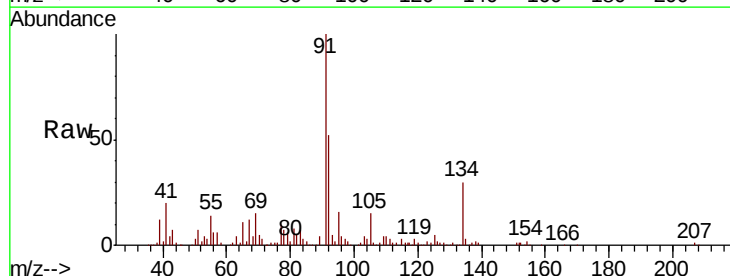
Instrument :
MSVOA_W
ClientSampled :

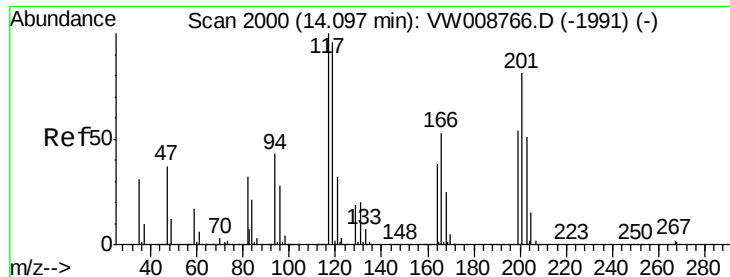
Tot Ion	Ratio	Lower	Upper
119	100		
134	27.2	13.1	39.3
91	24.6	12.1	36.3



#89
n-Butylbenzene
Concen: 10.709 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008869.D
Acq: 27 Feb 2019 21:43

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.0	26.8	80.4
134	0.0	13.5	40.4#





#90

Hexachloroethane

Concen: 19.558 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.01 min

Lab File: VW008869.D

Acq: 27 Feb 2019 21:43

Instrument :

MSVOA_W

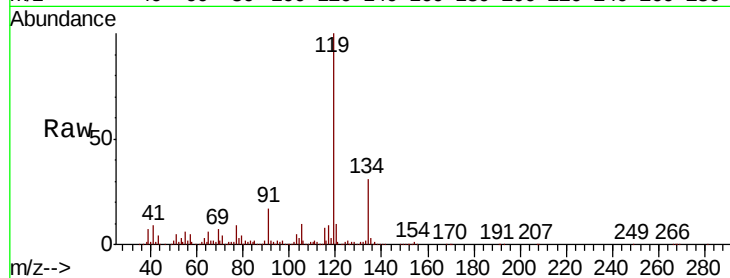
ClientSampleId :

Tot Ion:117 Resp: 25185

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

40000

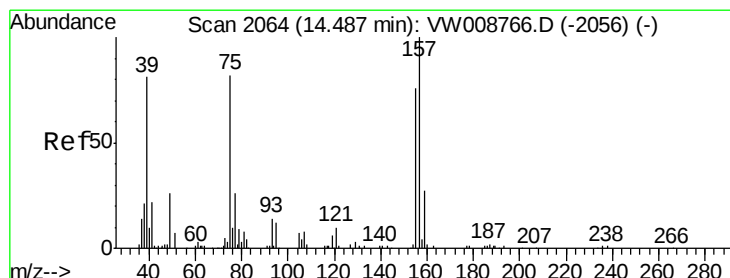
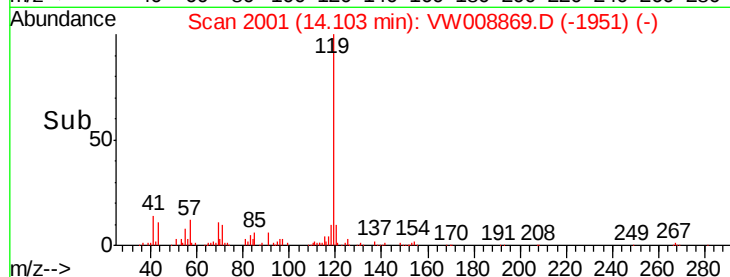
30000

20000

10000

0

Time--> 14.05 14.10



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.616 ug/l

RT: 14.50 min Scan# 2066

Delta R.T. 0.01 min

Lab File: VW008869.D

Acq: 27 Feb 2019 21:43

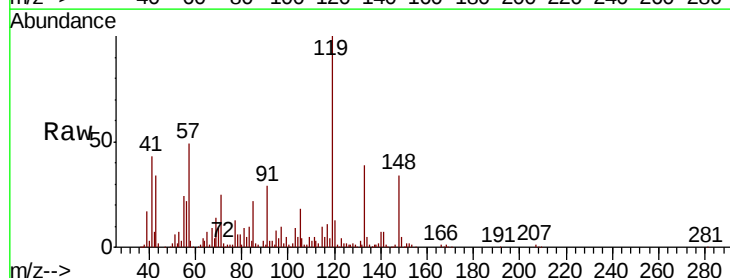
Tgt Ion: 75 Resp: 614

Ion Ratio Lower Upper

75 100

155 46.3 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

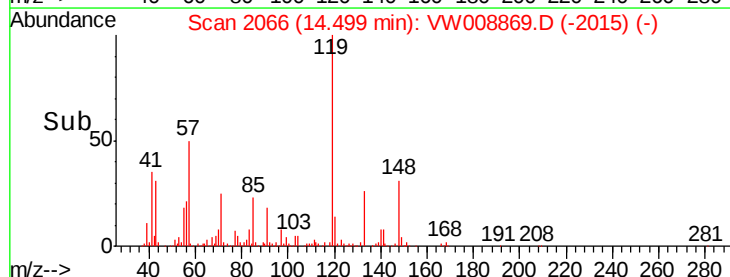
1500

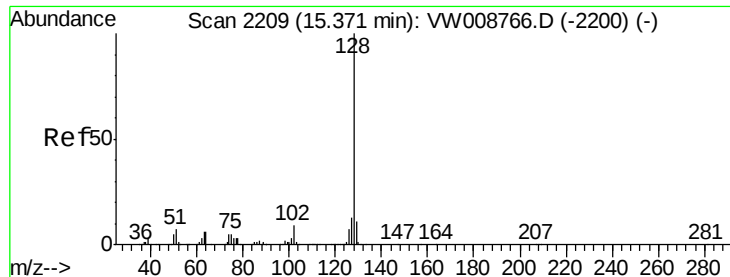
1000

500

0

Time--> 14.48 14.50 14.52





#95

Naphthalene

Concen: 16.967 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW008869.D

Acq: 27 Feb 2019 21:43

Instrument :

MSVOA_W

ClientSampleId :

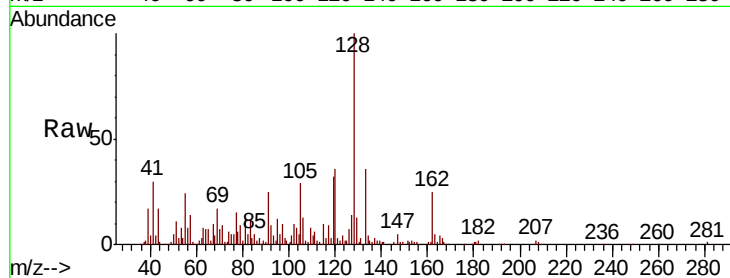
Tot Ion:128 Resp: 72214

Ion Ratio Lower Upper

128 100

127 9.7 10.8 16.2#

129 8.7 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

