

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022619\
 Data File : VW008844.D
 Acq On : 26 Feb 2019 21:18
 Operator : SY/VA
 Sample : K1594-40
 Misc : 6.41G/5ML/MSVOA W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 B-9(7.5-8.5)

Quant Time: Feb 27 06:03:16 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	401992	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	638471	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	535618	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	227363	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	251565	66.72	ug/l	0.00
Spiked Amount			Recovery	=	133.44%	
35) Dibromofluoromethane	7.88	113	198011	51.65	ug/l	0.00
Spiked Amount			Recovery	=	103.30%	
50) Toluene-d8	10.32	98	765684	51.74	ug/l	0.00
Spiked Amount			Recovery	=	103.48%	
62) 4-Bromofluorobenzene	12.62	95	247589	42.73	ug/l	0.00
Spiked Amount			Recovery	=	85.46%	

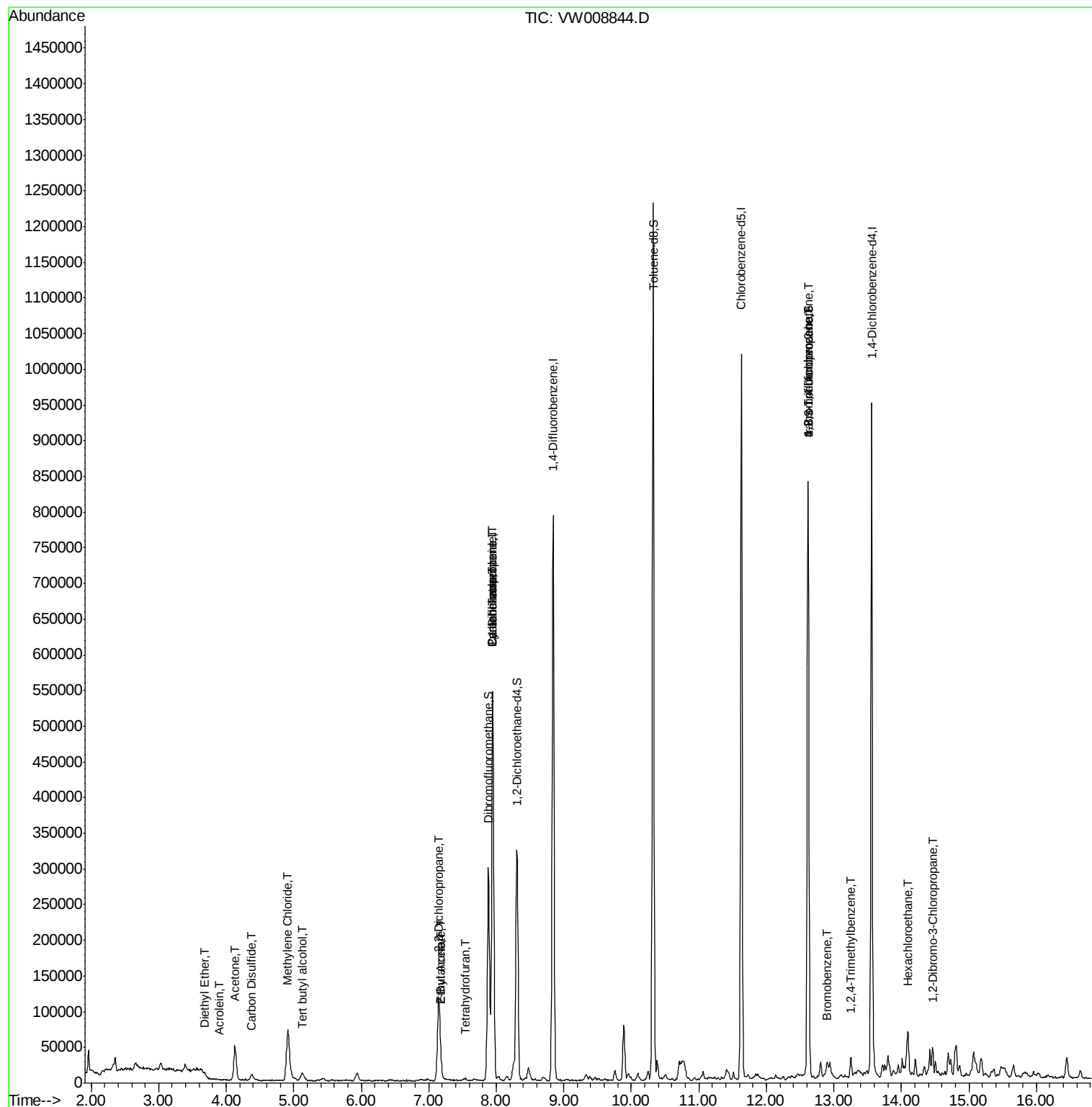
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	3331	1.603	ug/l	78
11) Tert butyl alcohol	5.13	59	11565	34.455	ug/l #	70
13) Acrolein	3.90	56	467	20.995	ug/l #	47
16) Acetone	4.14	43	88088	100.795	ug/l	90
17) Carbon Disulfide	4.37	76	15556	1.332	ug/l	98
20) Methylene Chloride	4.92	84	49051	7.000	ug/l	98
25) 2-Butanone	7.18	43	20376	16.677	ug/l	90
26) 2,2-Dichloropropane	7.15	77	7857	1.232	ug/l #	54
29) Tetrahydrofuran	7.53	42	2531	3.251	ug/l #	76
31) Cyclohexane	7.95	56	11710	1.647	ug/l #	55
36) 1,1-Dichloropropene	7.95	75	34037	5.476	ug/l #	49
37) Ethyl Acetate	7.18	43	20376	7.050	ug/l #	71
38) Carbon Tetrachloride	7.95	117	42029	6.412	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	135931	72.412	ug/l #	100
77) Bromobenzene	12.89	156	4531	1.230	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	135931	176.040	ug/l #	6
84) 1,2,4-Trimethylbenzene	13.26	105	15687	1.119	ug/l	94
90) Hexachloroethane	14.10	117	2980	1.179	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.46	75	484	1.051	ug/l #	11

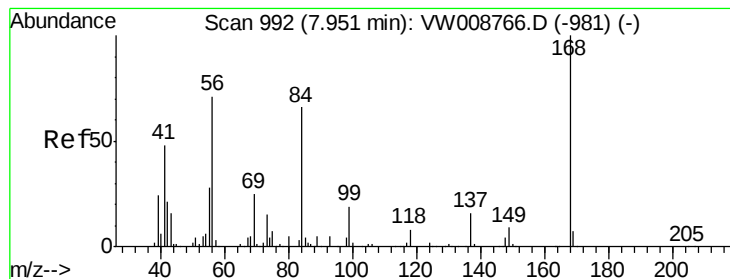
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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B-9(7.5-8.5)

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008844.D

Acq: 26 Feb 2019 21:18

Instrument :

MSVOA_W

ClientSampled :

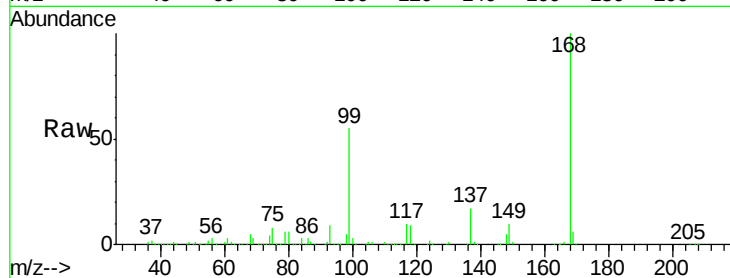
B-9(7.5-8.5)

Tot Ion:168 Resp: 401992

Ion Ratio Lower Upper

168 100

99 55.5 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

200000

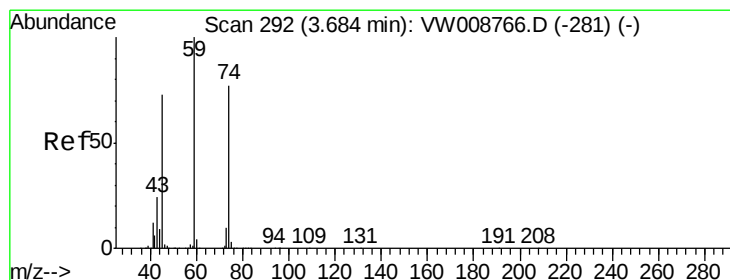
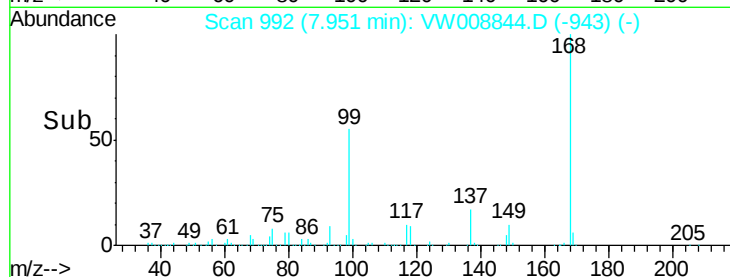
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.603 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.00 min

Lab File: VW008844.D

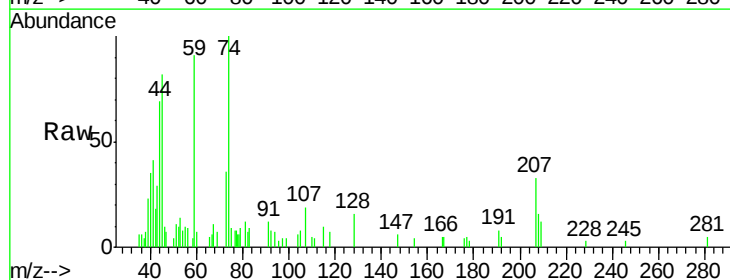
Acq: 26 Feb 2019 21:18

Tgt Ion: 74 Resp: 3331

Ion Ratio Lower Upper

74 100

45 122.0 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

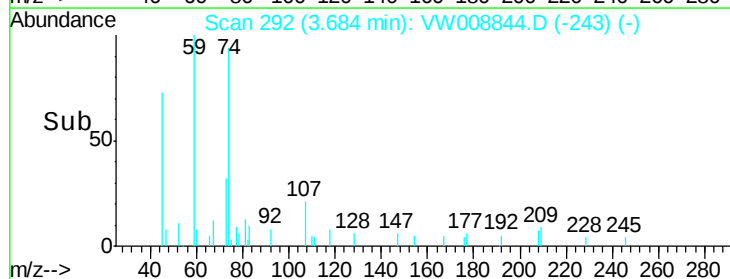
1500

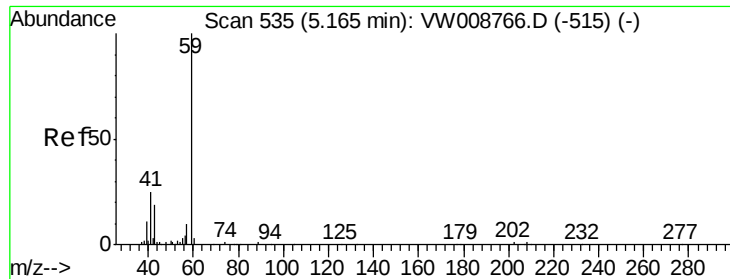
1000

500

0

Time-->

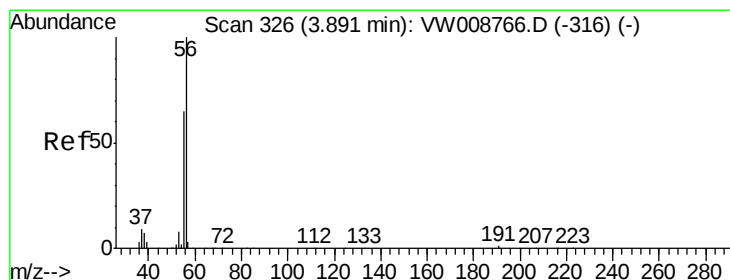
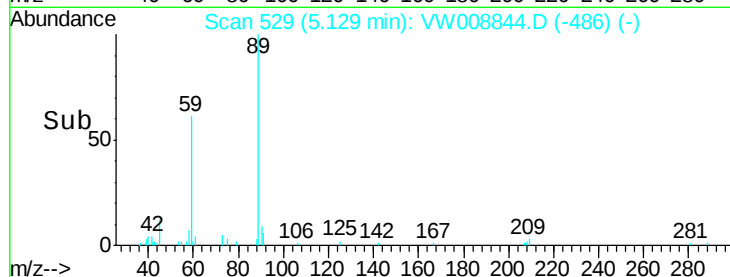
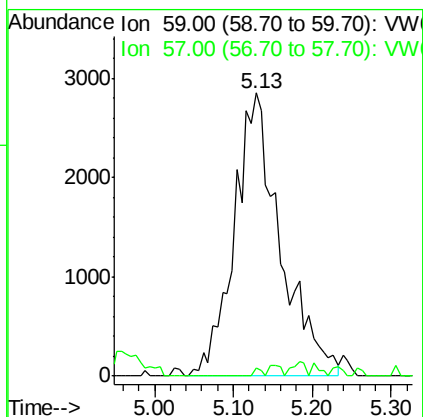
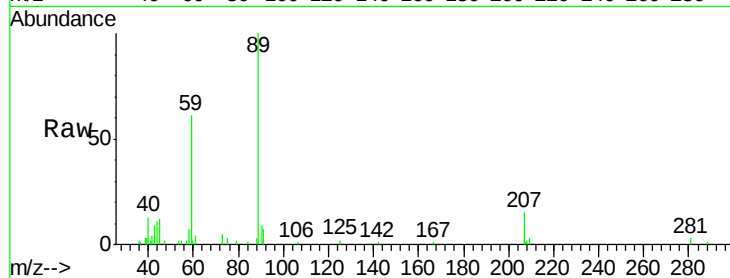




#11
Tert butyl alcohol
Concen: 34.455 ug/l
RT: 5.13 min Scan# 529
Delta R.T. -0.04 min
Lab File: VW008844.D
Acq: 26 Feb 2019 21:18

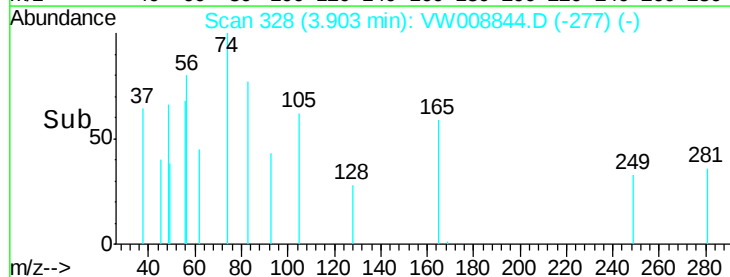
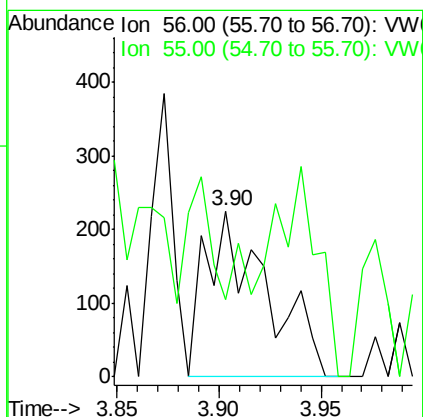
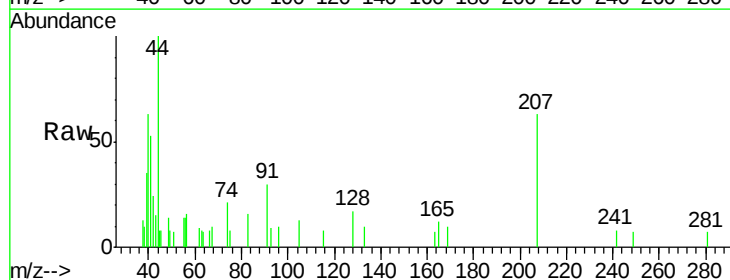
Instrument :
MSVOA_W
ClientSampled :
B-9(7.5-8.5)

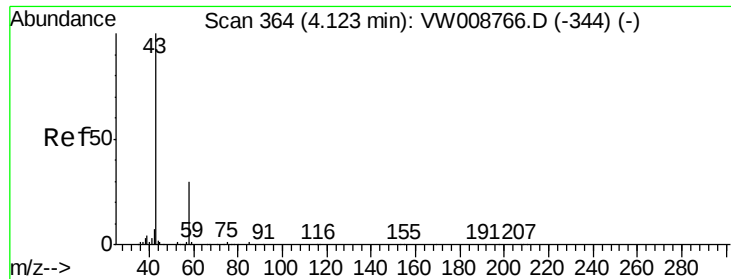
Tot Ion: 59 Resp: 11565
Ion Ratio Lower Upper
59 100
57 0.0 9.3 13.9#



#13
Acrolein
Concen: 20.995 ug/l
RT: 3.90 min Scan# 328
Delta R.T. 0.01 min
Lab File: VW008844.D
Acq: 26 Feb 2019 21:18

Tgt Ion: 56 Resp: 467
Ion Ratio Lower Upper
56 100
55 27.6 56.9 85.3#

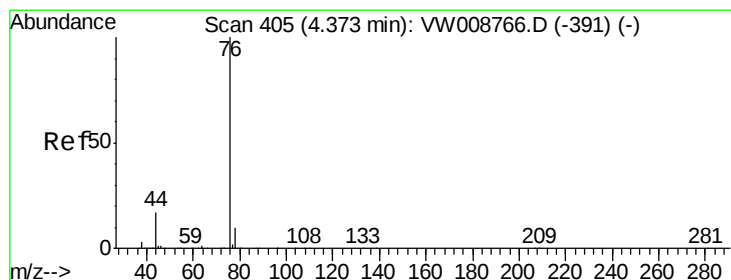
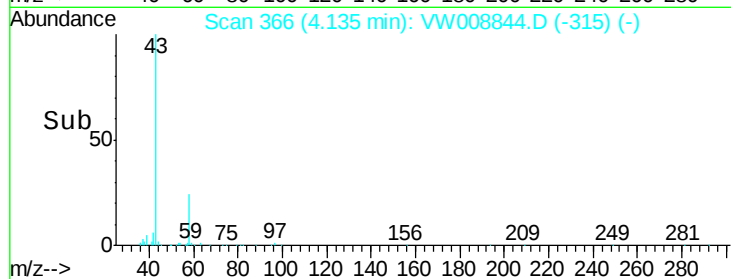
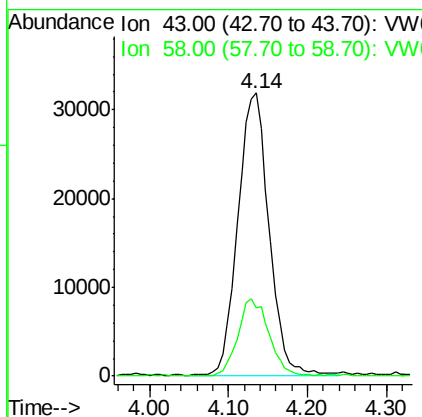
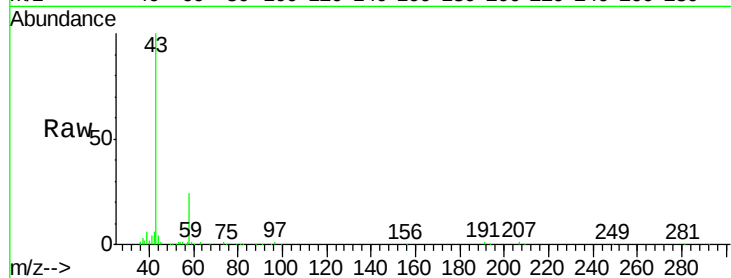




#16
 Acetone
 Concen: 100.795 ug/l
 RT: 4.14 min Scan# 366
 Delta R.T. 0.01 min
 Lab File: VW008844.D
 Acq: 26 Feb 2019 21:18

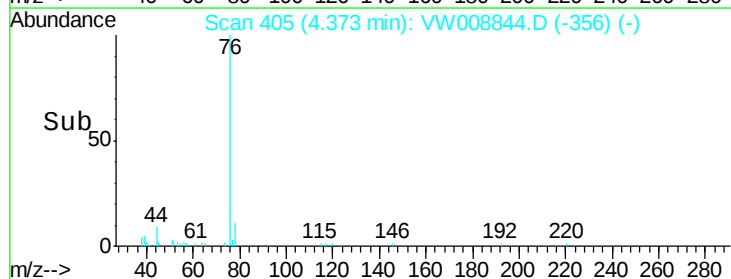
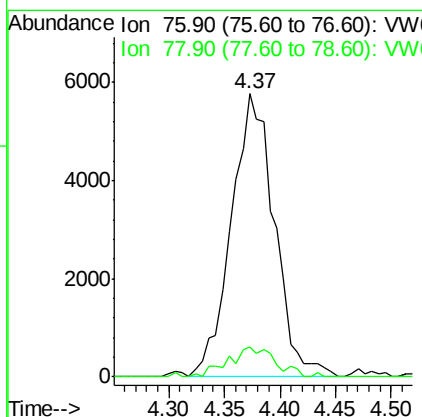
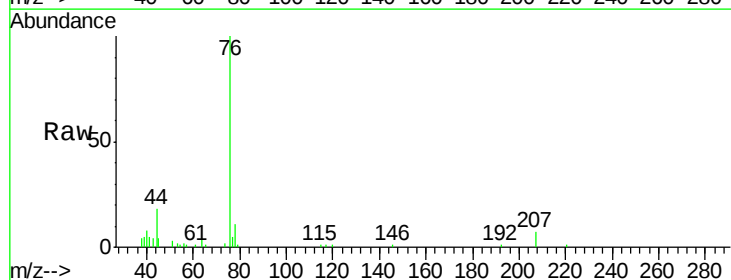
Instrument :
 MSVOA_W
 ClientSampleId :
 B-9(7.5-8.5)

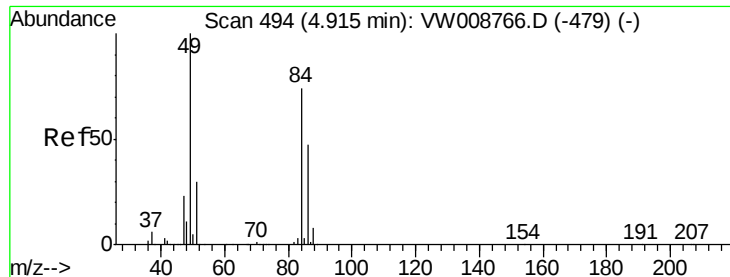
Tot Ion: 43 Resp: 88088
 Ion Ratio Lower Upper
 43 100
 58 24.1 23.8 35.6



#17
 Carbon Disulfide
 Concen: 1.332 ug/l
 RT: 4.37 min Scan# 405
 Delta R.T. 0.00 min
 Lab File: VW008844.D
 Acq: 26 Feb 2019 21:18

Tgt Ion: 76 Resp: 15556
 Ion Ratio Lower Upper
 76 100
 78 10.6 7.8 11.8

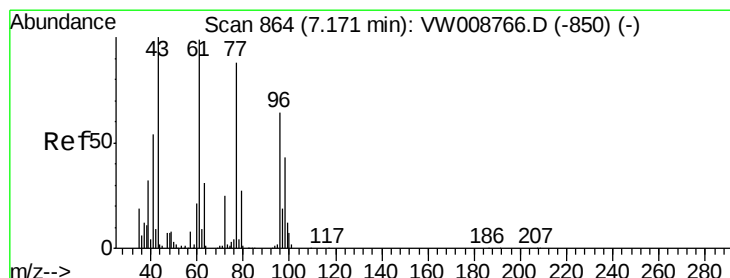
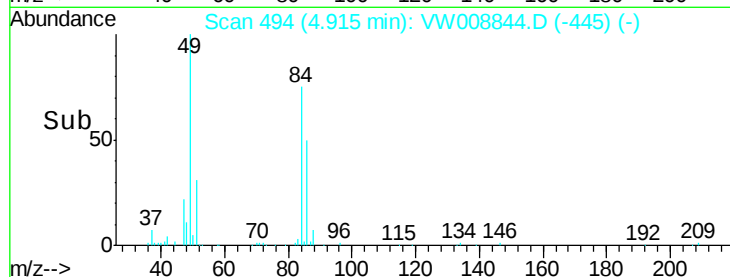
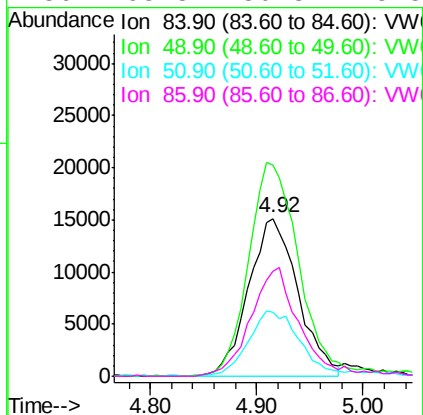
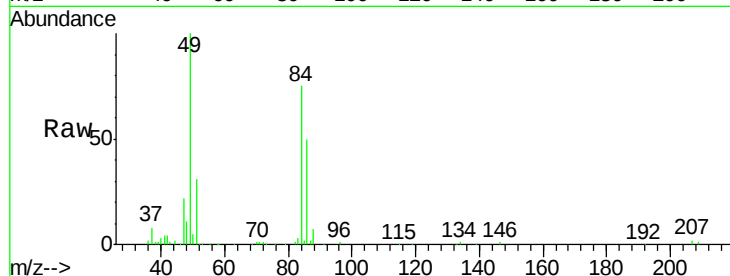




#20
Methylene Chloride
Concen: 7.000 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW008844.D
Acq: 26 Feb 2019 21:18

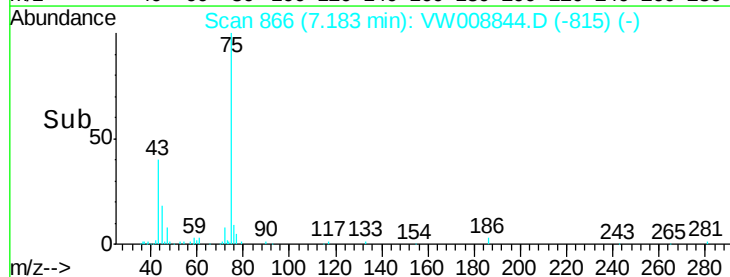
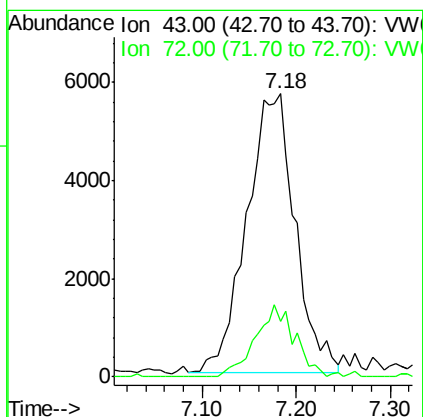
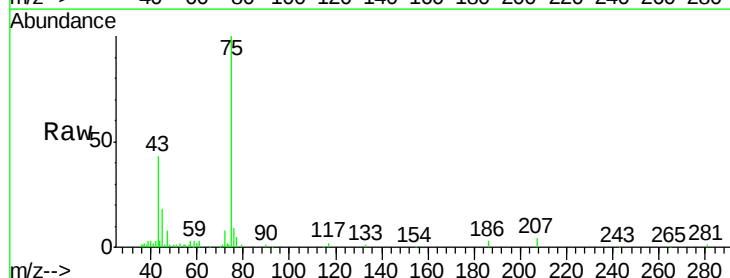
Instrument :
MSVOA_W
ClientSampled :
B-9(7.5-8.5)

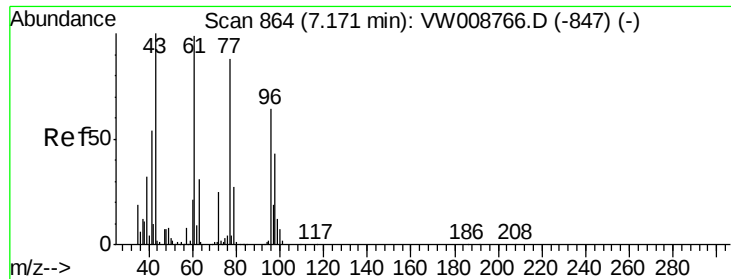
Tot Ion	84	Resp	49051
Ion	Ratio	Lower	Upper
84	100		
49	133.5	108.2	162.2
51	40.8	32.7	49.1
86	65.8	50.3	75.5



#25
2-Butanone
Concen: 16.677 ug/l
RT: 7.18 min Scan# 866
Delta R.T. 0.01 min
Lab File: VW008844.D
Acq: 26 Feb 2019 21:18

Tgt Ion	43	Resp	20376
Ion	Ratio	Lower	Upper
43	100		
72	19.8	19.7	29.5





#26

2,2-Dichloropropane

Concen: 1.232 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW008844.D

Acq: 26 Feb 2019 21:18

Instrument :

MSVOA_W

ClientSampleId :

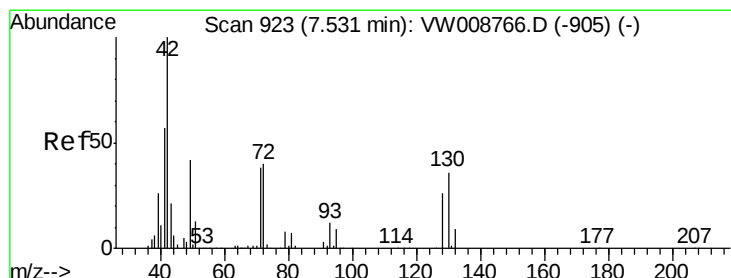
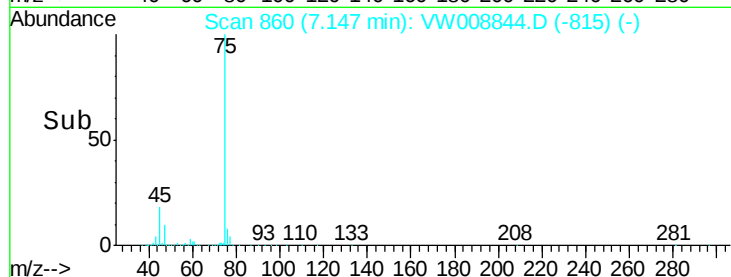
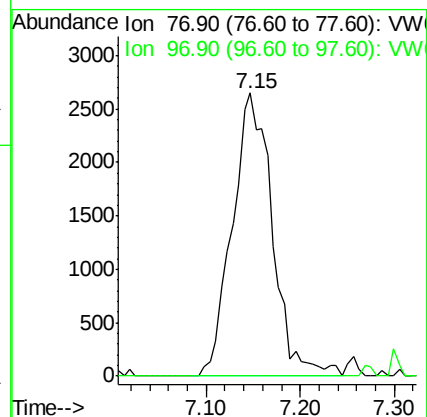
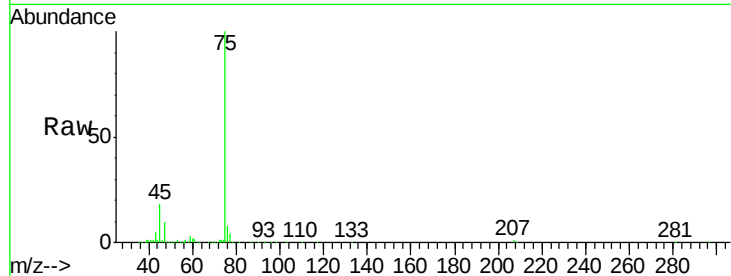
B-9(7.5-8.5)

Tot Ion: 77 Resp: 7857

Ion Ratio Lower Upper

77 100

97 0.0 11.0 33.0#



#29

Tetrahydrofuran

Concen: 3.251 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.00 min

Lab File: VW008844.D

Acq: 26 Feb 2019 21:18

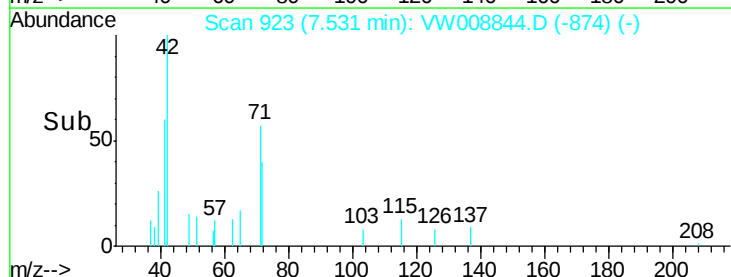
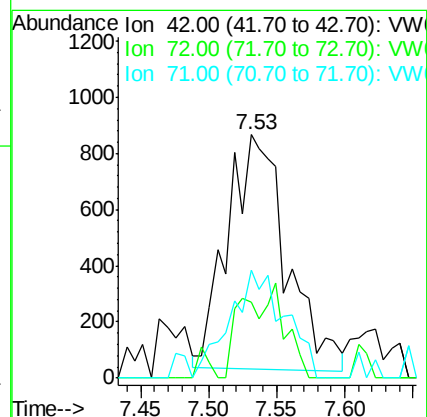
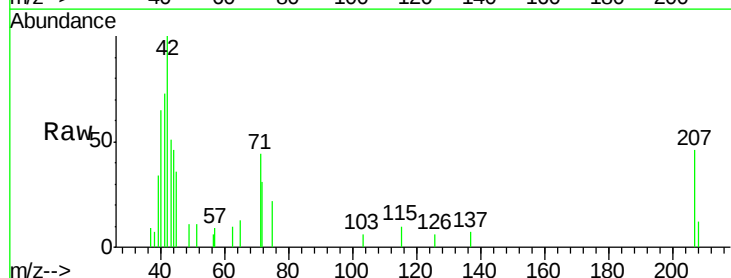
Tgt Ion: 42 Resp: 2531

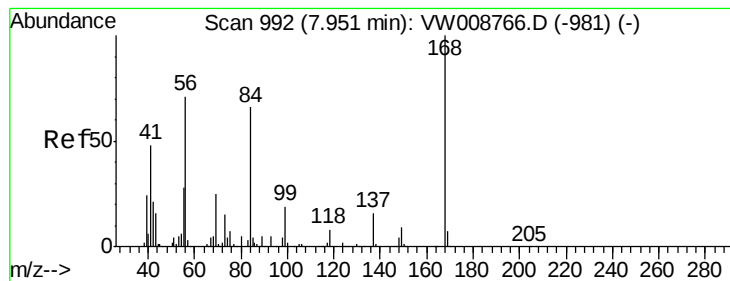
Ion Ratio Lower Upper

42 100

72 14.6 32.7 49.1#

71 42.8 31.3 46.9





#31

Cyclohexane

Concen: 1.647 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008844.D

Acq: 26 Feb 2019 21:18

Instrument :

MSVOA_W

ClientSampleId :

B-9(7.5-8.5)

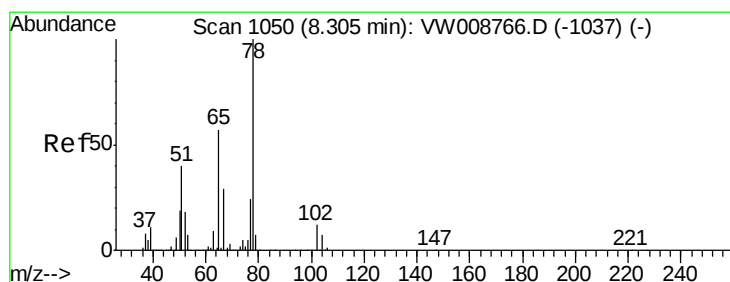
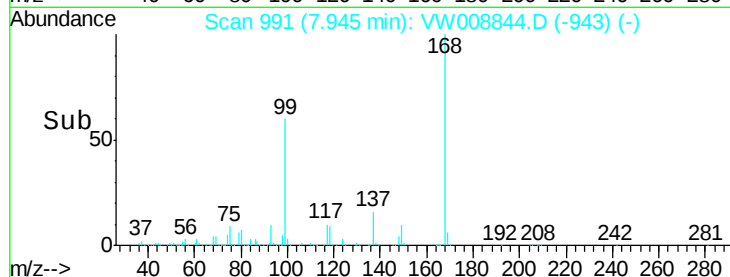
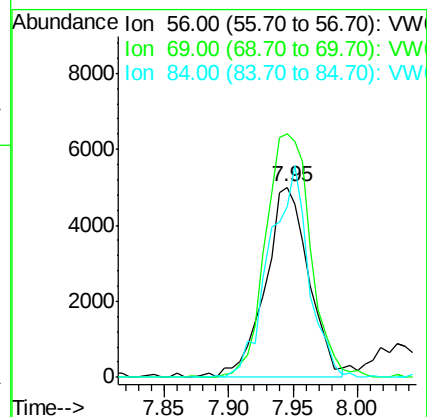
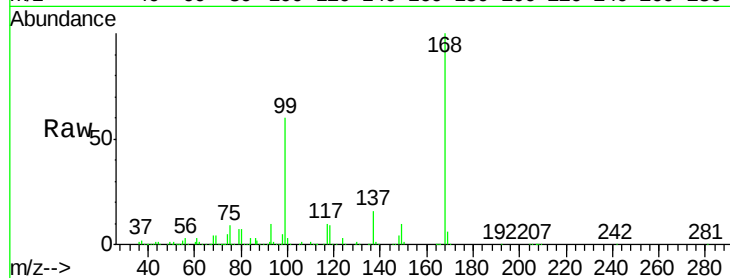
Tot Ion: 56 Resp: 11710

Ion Ratio Lower Upper

56 100

69 127.0 28.2 42.4#

84 90.0 74.1 111.1



#33

1,2-Dichloroethane-d4

Concen: 66.722 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008844.D

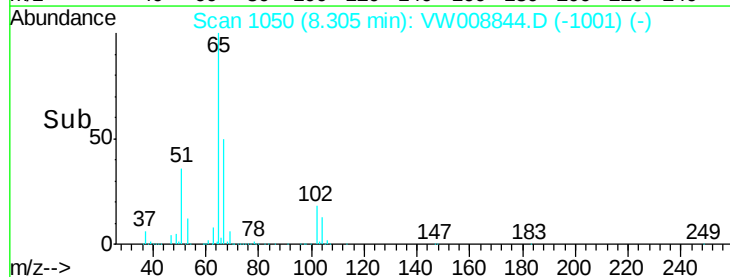
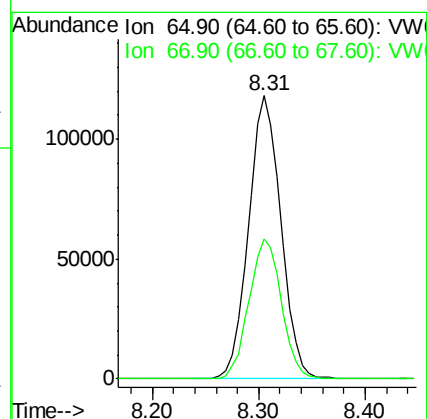
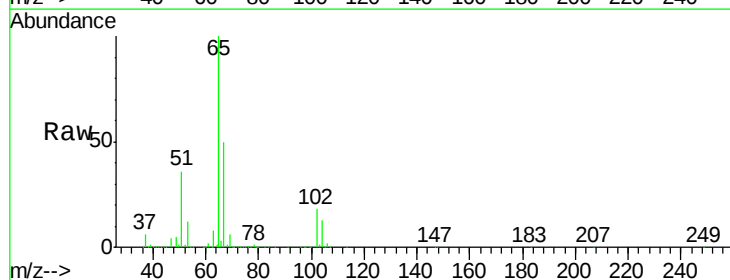
Acq: 26 Feb 2019 21:18

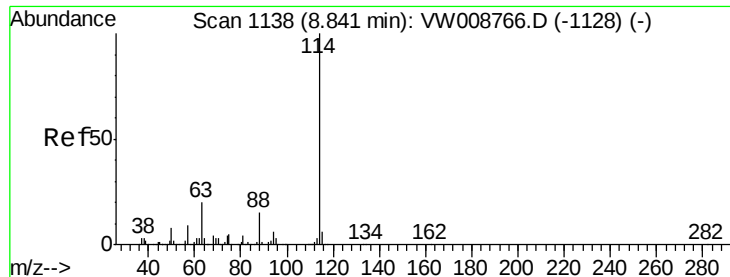
Tgt Ion: 65 Resp: 251565

Ion Ratio Lower Upper

65 100

67 50.0 0.0 101.4

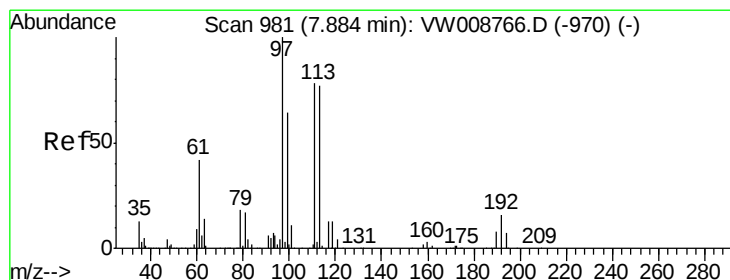
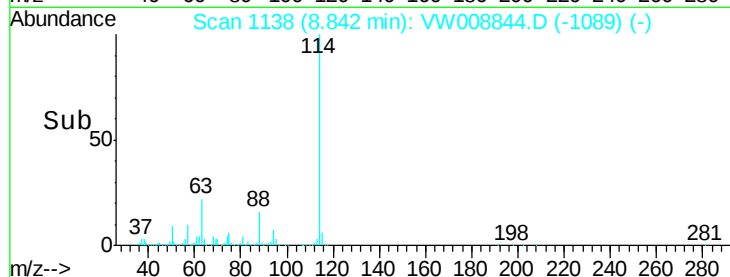
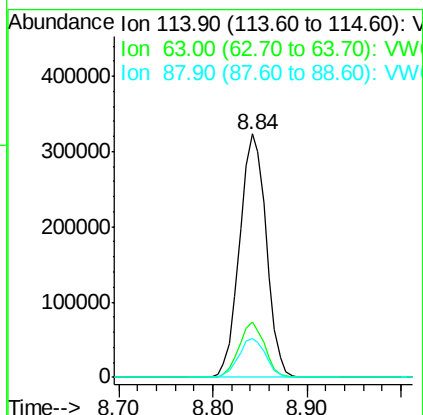
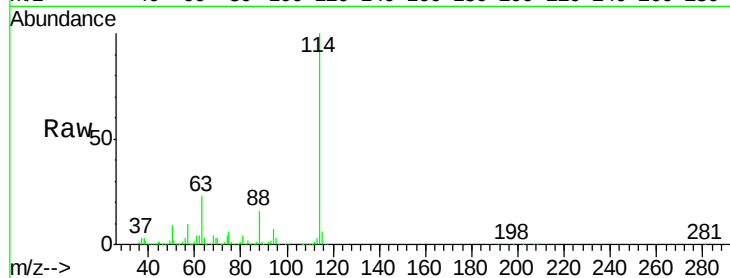




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW008844.D
Acq: 26 Feb 2019 21:18

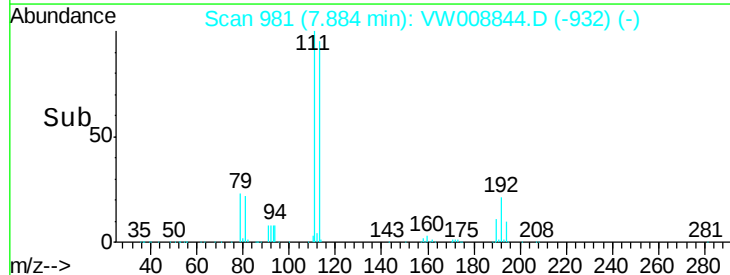
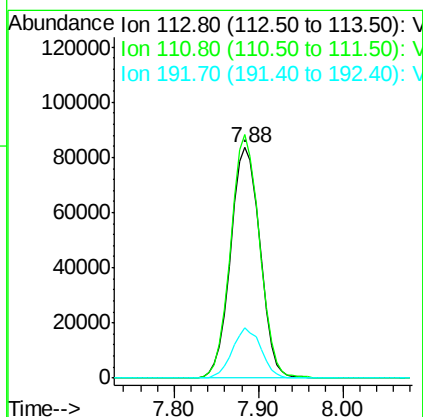
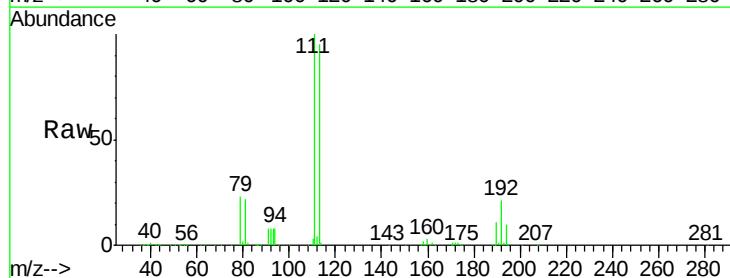
Instrument :
MSVOA_W
ClientSampleId :
B-9(7.5-8.5)

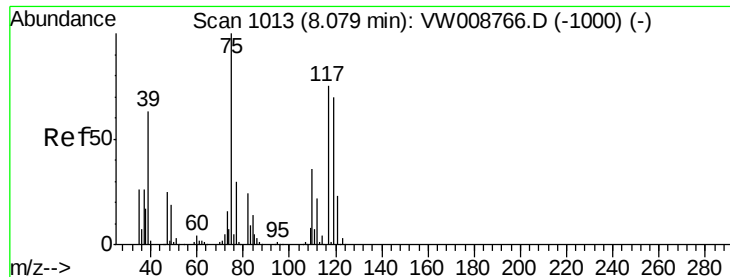
Tot Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	40.8
88	16.0	0.0	30.4



#35
Dibromofluoromethane
Concen: 51.653 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW008844.D
Acq: 26 Feb 2019 21:18

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.9	122.9
192	21.2	17.1	25.7





#36

1,1-Dichloropropene

Concen: 5.476 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW008844.D

Acq: 26 Feb 2019 21:18

Instrument :

MSVOA_W

ClientSampled :

B-9(7.5-8.5)

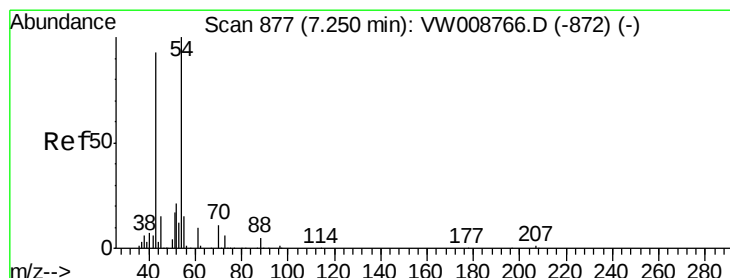
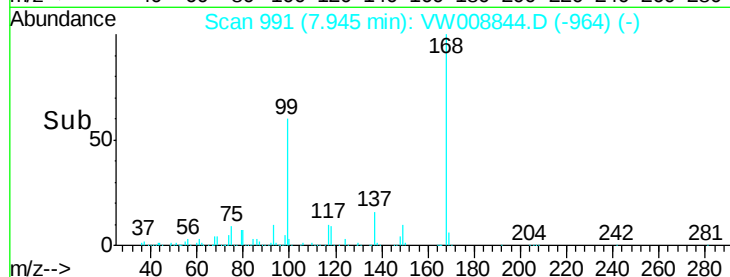
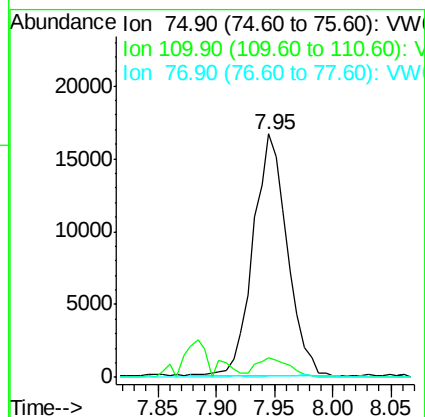
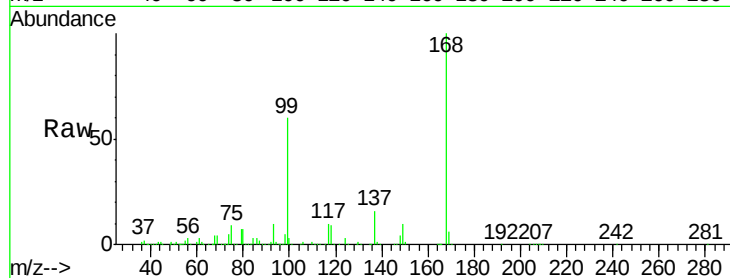
Tot Ion: 75 Resp: 34037

Ion Ratio Lower Upper

75 100

110 7.9 17.5 52.6#

77 0.3 24.5 36.7#



#37

Ethyl Acetate

Concen: 7.050 ug/l

RT: 7.18 min Scan# 866

Delta R.T. -0.07 min

Lab File: VW008844.D

Acq: 26 Feb 2019 21:18

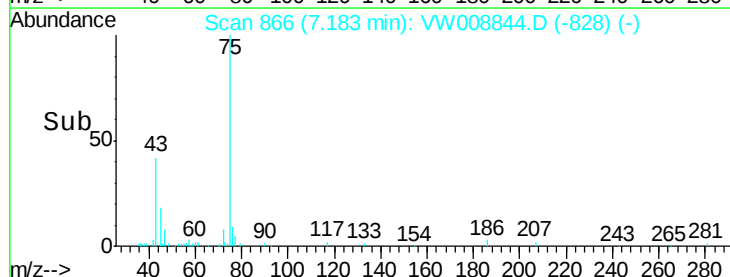
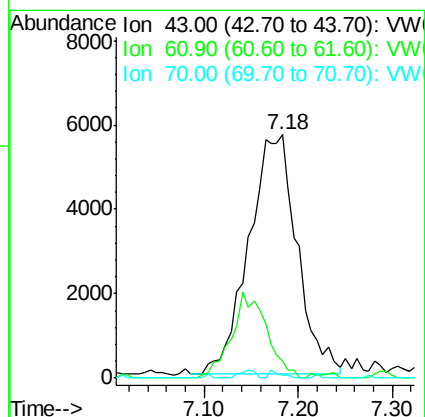
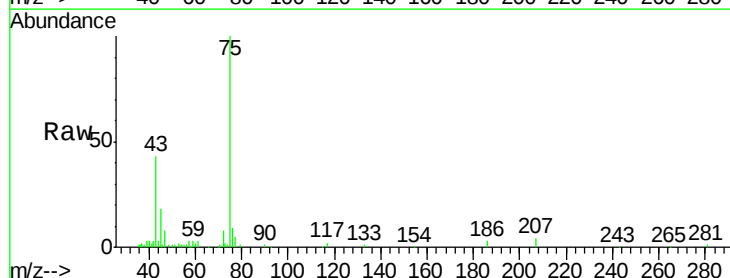
Tgt Ion: 43 Resp: 20376

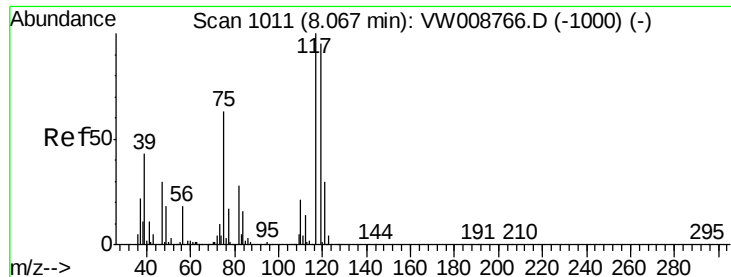
Ion Ratio Lower Upper

43 100

61 0.0 9.8 14.8#

70 0.7 8.4 12.6#

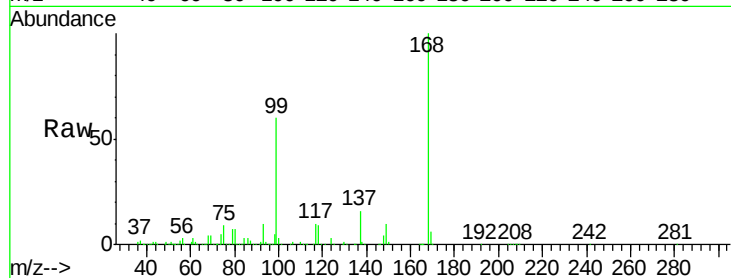




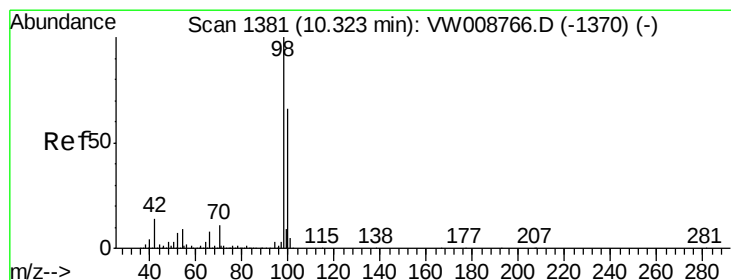
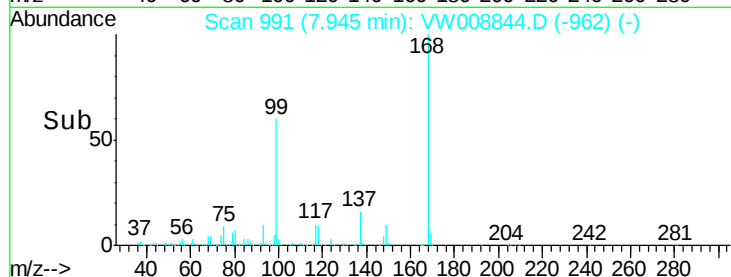
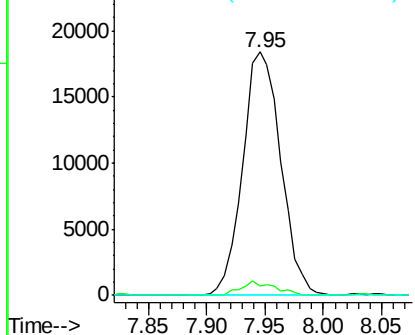
#38
Carbon Tetrachloride
Concen: 6.412 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW008844.D
Acq: 26 Feb 2019 21:18

Instrument :
MSVOA_W
ClientSampleId :
B-9(7.5-8.5)

Tot Ion:117 Resp: 42029
Ion Ratio Lower Upper
117 100
119 4.0 76.1 114.1#
121 0.3 24.0 36.0#

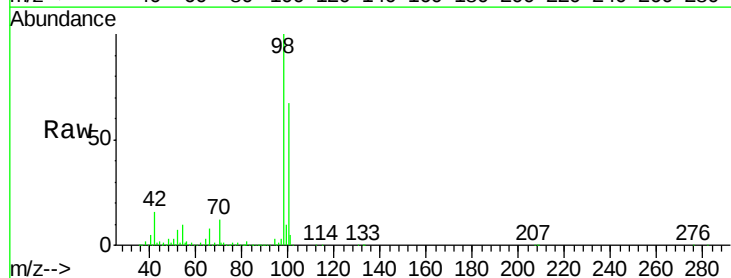


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

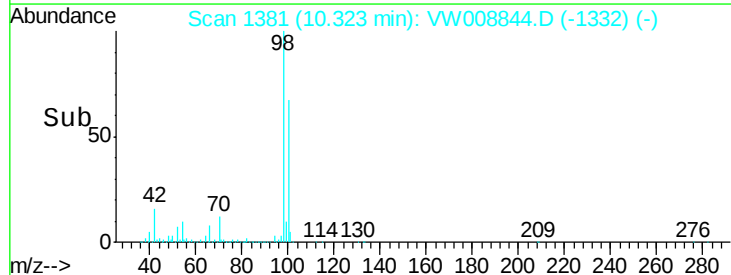
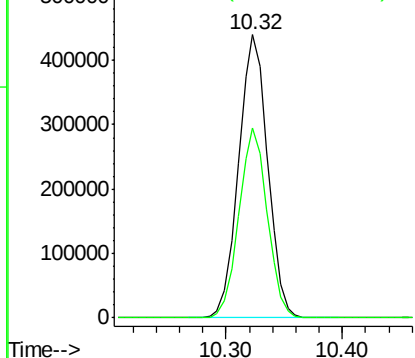


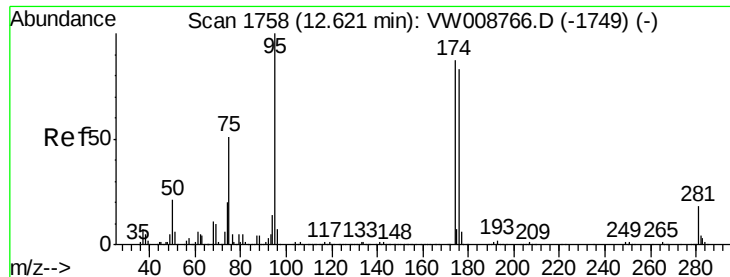
#50
Toluene-d8
Concen: 51.741 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008844.D
Acq: 26 Feb 2019 21:18

Tgt Ion: 98 Resp: 765684
Ion Ratio Lower Upper
98 100
100 65.5 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

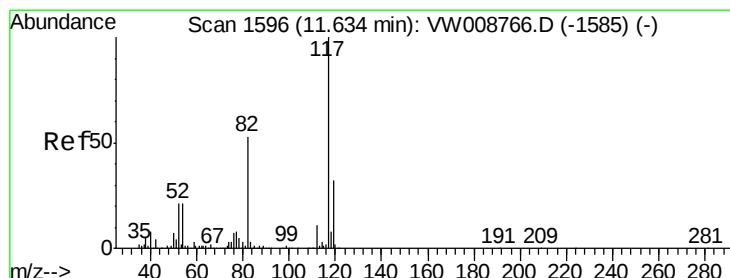
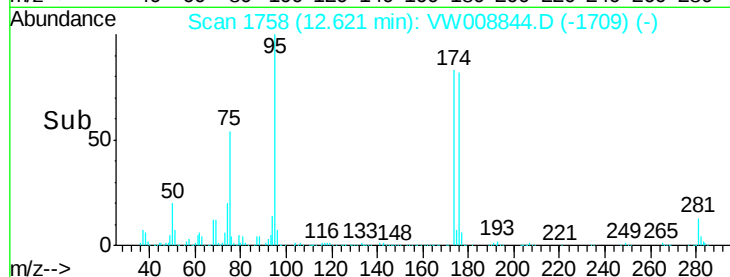
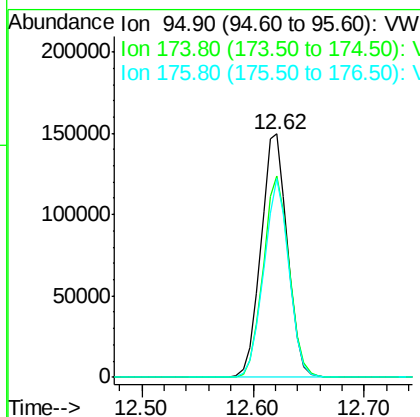
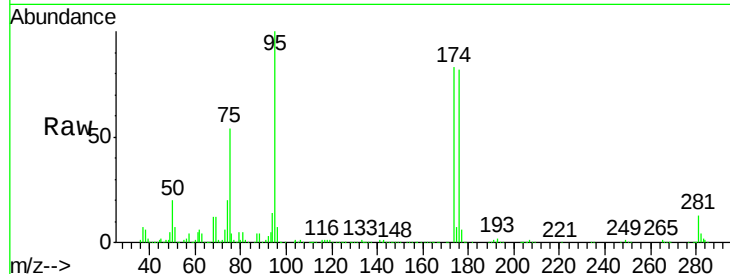




#62
4-Bromofluorobenzene
Concen: 42.731 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW008844.D
Acq: 26 Feb 2019 21:18

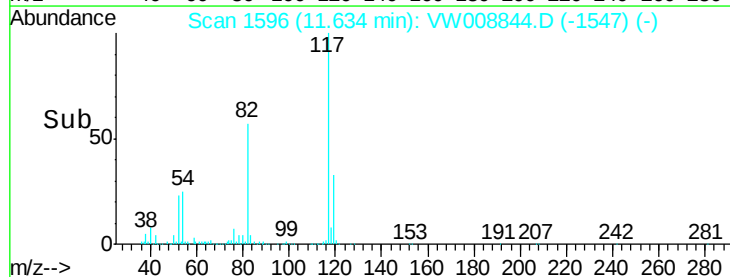
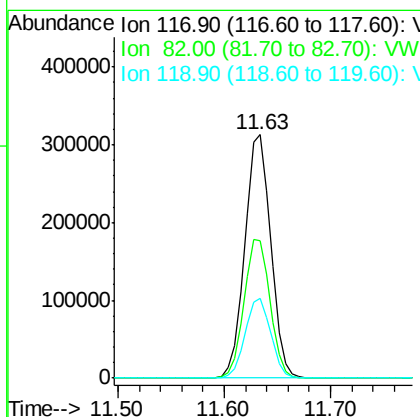
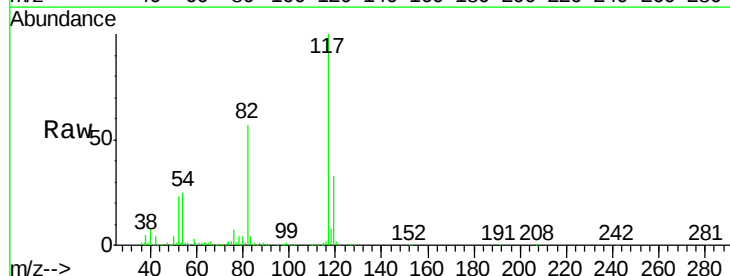
Instrument :
MSVOA_W
ClientSampleId :
B-9(7.5-8.5)

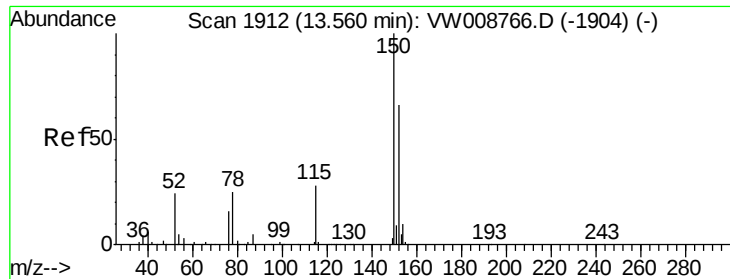
Tot Ion	95	Resp	247589
Ion Ratio	Lower	Upper	
95	100		
174	81.3	0.0	169.2
176	77.6	0.0	163.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008844.D
Acq: 26 Feb 2019 21:18

Tgt Ion	117	Resp	535618
Ion Ratio	Lower	Upper	
117	100		
82	56.6	42.2	63.4
119	32.8	25.9	38.9



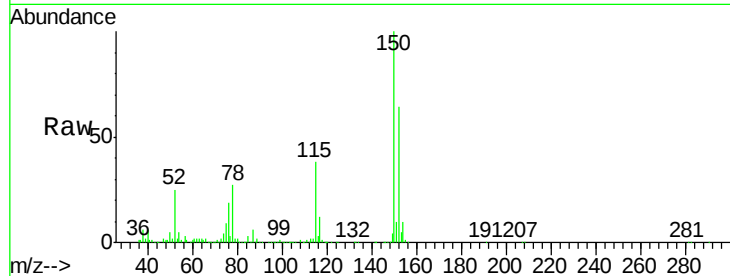


#72

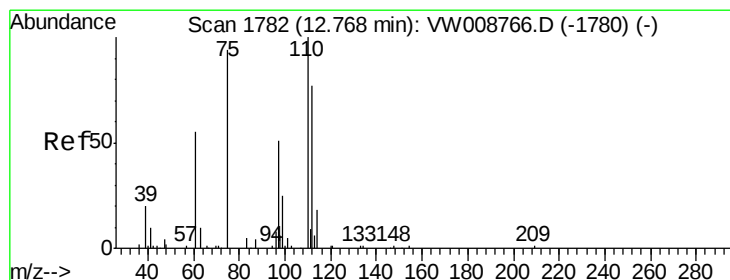
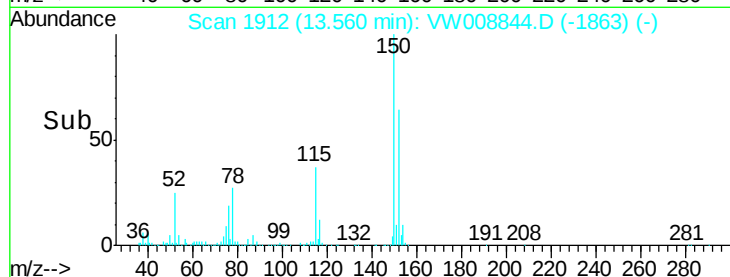
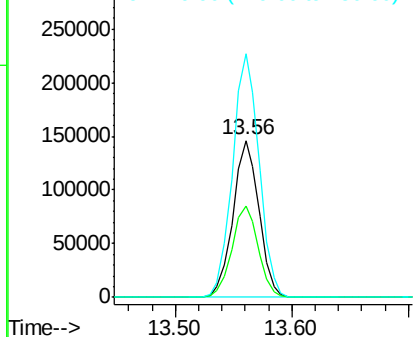
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008844.D
Acq: 26 Feb 2019 21:18

Instrument :
MSVOA_W
ClientSampleId :
B-9(7.5-8.5)

Tot Ion	Ratio	Lower	Upper
152	100		
115	59.0	28.6	85.8
150	157.9	0.0	348.0



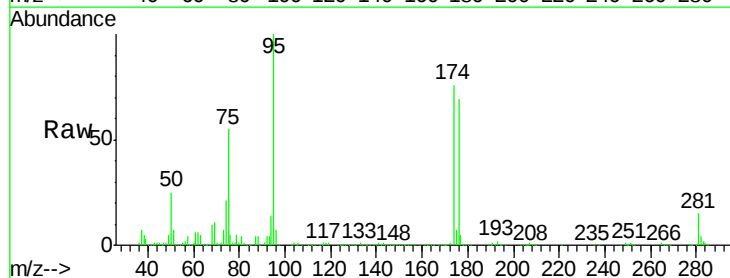
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



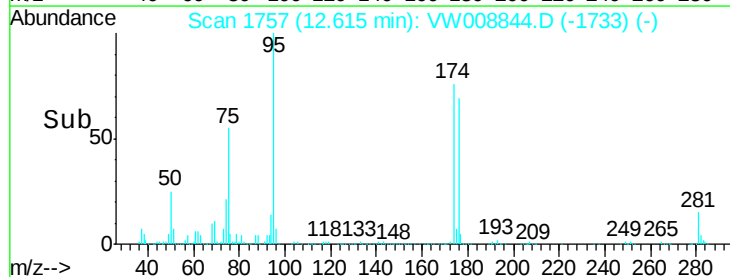
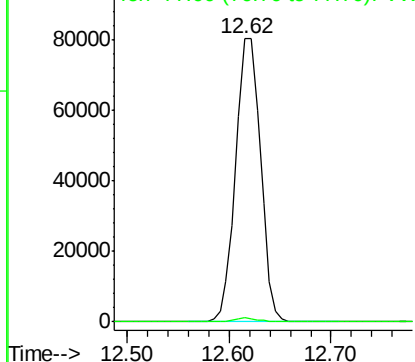
#76

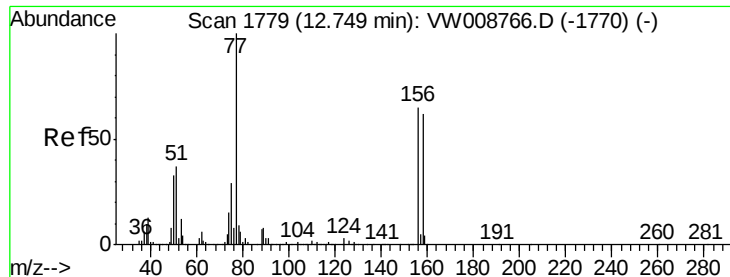
1,2,3-Trichloropropane
Concen: 72.412 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW008844.D
Acq: 26 Feb 2019 21:18

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.3	0.0	0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 1.230 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.14 min

Lab File: VW008844.D

Acq: 26 Feb 2019 21:18

Instrument :

MSVOA_W

ClientSampled :

B-9(7.5-8.5)

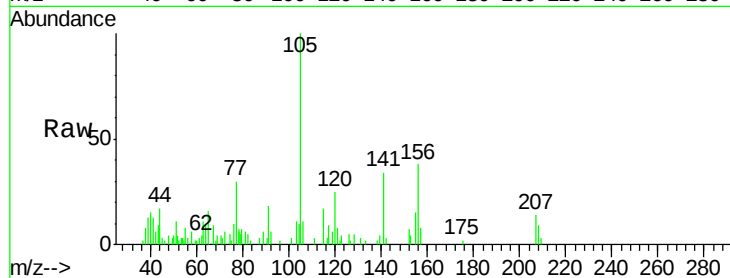
Tot Ion:156 Resp: 4531

Ion Ratio Lower Upper

156 100

77 0.0 89.1 267.4#

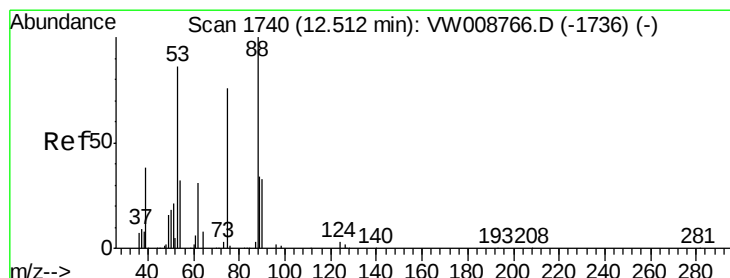
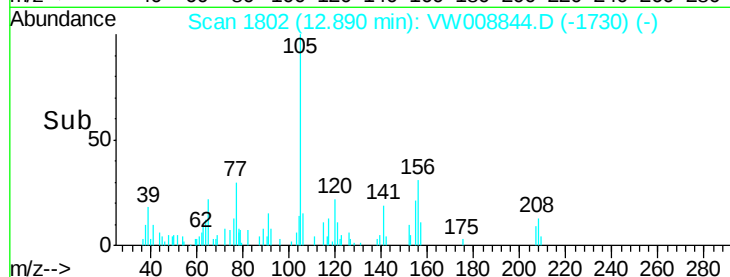
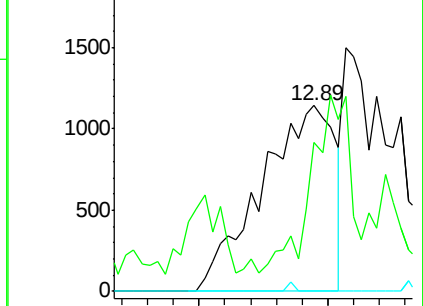
158 0.5 49.2 147.6#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 176.040 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW008844.D

Acq: 26 Feb 2019 21:18

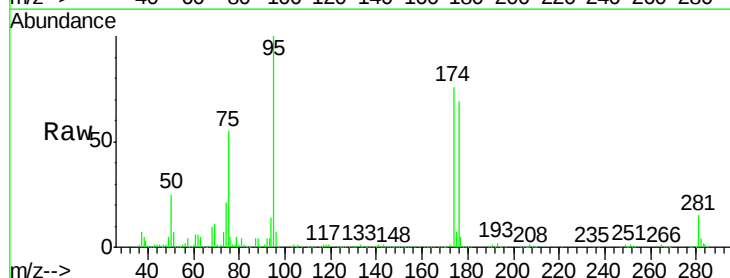
Tgt Ion: 75 Resp: 135931

Ion Ratio Lower Upper

75 100

53 0.1 88.2 132.2#

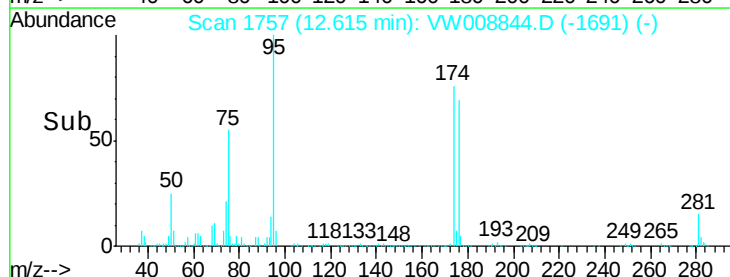
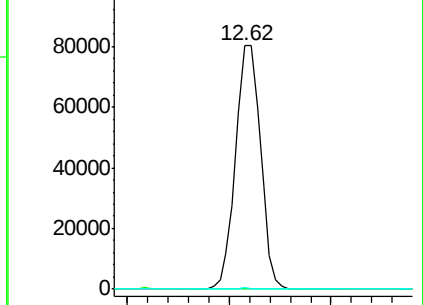
89 0.3 39.5 59.3#

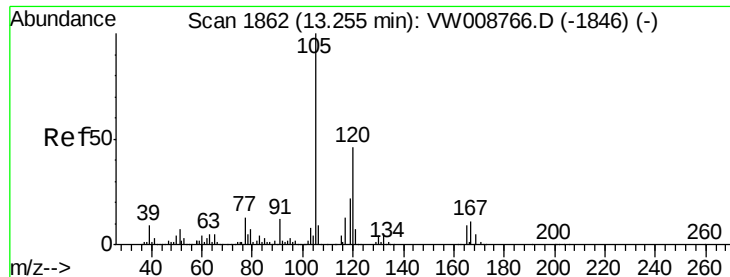


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

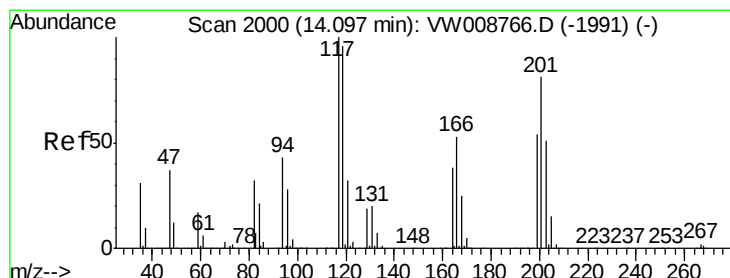
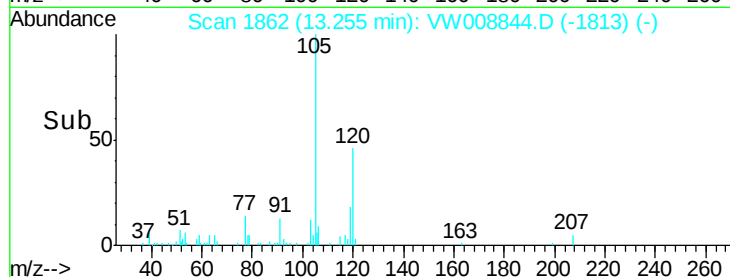
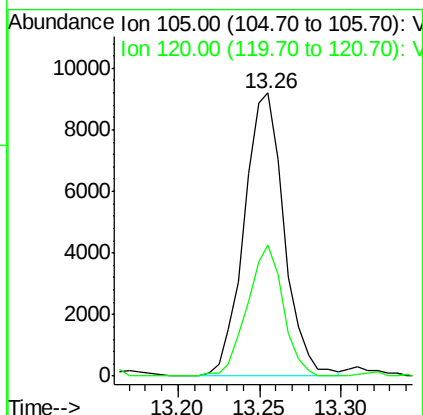
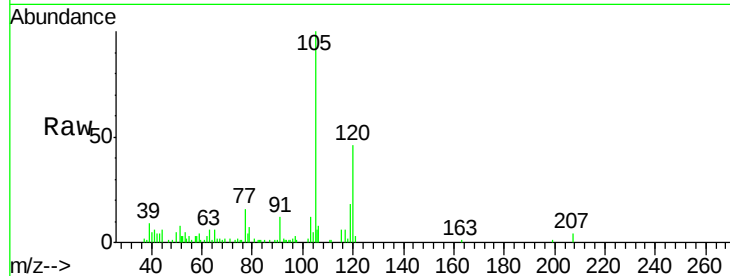




#84
 1,2,4-Trimethylbenzene
 Concen: 1.119 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW008844.D
 Acq: 26 Feb 2019 21:18

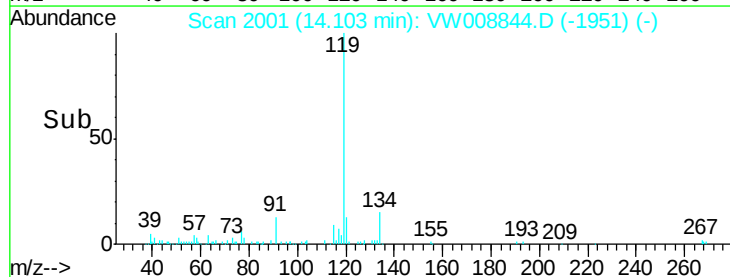
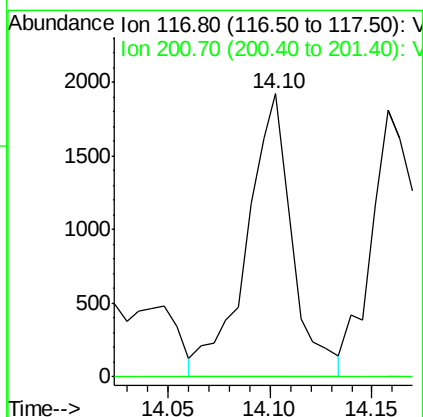
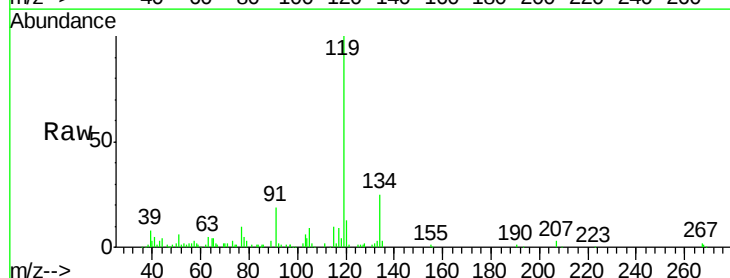
Instrument :
 MSVOA_W
 ClientSampleId :
 B-9(7.5-8.5)

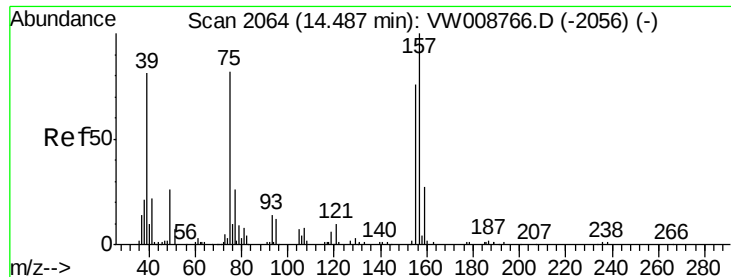
Tot Ion:105 Resp: 15687
 Ion Ratio Lower Upper
 105 100
 120 41.4 22.8 68.4



#90
 Hexachloroethane
 Concen: 1.179 ug/l
 RT: 14.10 min Scan# 2001
 Delta R.T. 0.01 min
 Lab File: VW008844.D
 Acq: 26 Feb 2019 21:18

Tgt Ion:117 Resp: 2980
 Ion Ratio Lower Upper
 117 100
 201 0.0 40.3 120.8#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.051 ug/l

RT: 14.46 min Scan# 2060

Delta R.T. -0.02 min

Lab File: VW008844.D

Acq: 26 Feb 2019 21:18

Instrument :

MSVOA_W

ClientSampleId :

B-9(7.5-8.5)

Tot Ion: 75 Resp: 484

Ion Ratio Lower Upper

75 100

155 17.1 41.8 125.4#

157 5.2 56.6 169.9#

