

Data File : VW008776.D
Acq On : 21 Feb 2019 18:10
Operator : SY/VA
Sample : K1538-03RE
Misc : 6.30G/5ML/MSVOA_W/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
M-11-A-S

Quant Time: Feb 22 00:48:45 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	320428	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	484225	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	425491	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	203895	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	177489	59.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.12%	
35) Dibromofluoromethane	7.88	113	148689	51.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.28%	
50) Toluene-d8	10.32	98	571227	50.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.80%	
62) 4-Bromofluorobenzene	12.62	95	199272	45.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.70%	

Target Compounds

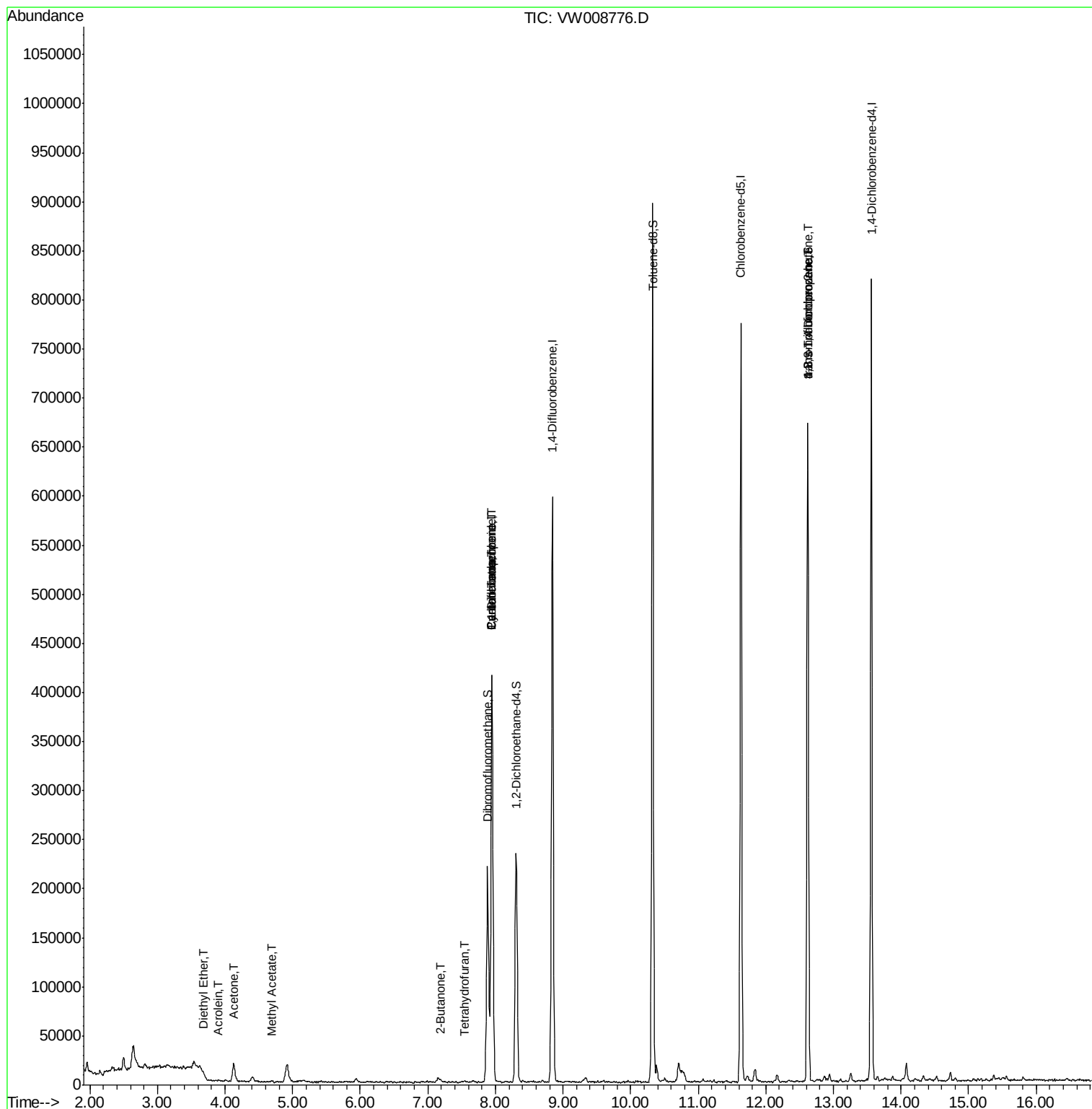
						Qvalue
8) Diethyl Ether	3.69	74	3358	2.028	ug/l	98
13) Acrolein	3.90	56	435	21.199	ug/l #	79
16) Acetone	4.13	43	32498	46.652	ug/l	96
18) Methyl Acetate	4.68	43	2234	1.352	ug/l #	77
20) Methylene Chloride	4.91	84	13495	Below Cal		90
25) 2-Butanone	7.18	43	4003	4.110	ug/l	93
29) Tetrahydrofuran	7.54	42	1095	1.764	ug/l #	72
31) Cyclohexane	7.95	56	7900	1.394	ug/l #	28
36) 1,1-Dichloropropene	7.95	75	24183	5.130	ug/l #	52
38) Carbon Tetrachloride	7.95	117	30656	6.167	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	104806	62.258	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	104806	151.353	ug/l #	6

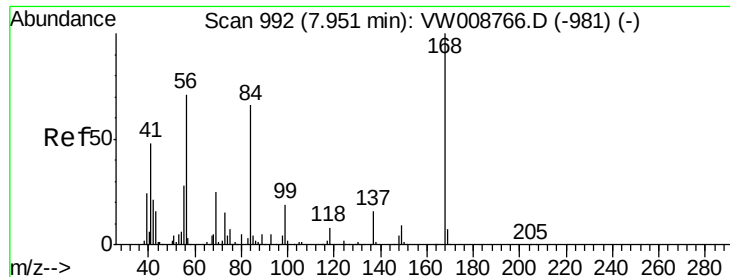
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008776.D

Acq: 21 Feb 2019 18:10

Instrument :

MSVOA_W

ClientSampleId :

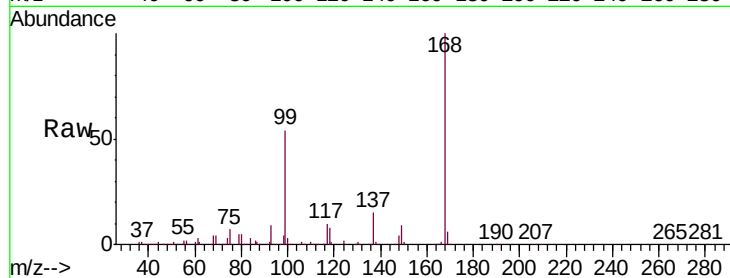
M-11-A-S

Tgt Ion:168 Resp: 320428

Ion Ratio Lower Upper

168 100

99 53.9 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

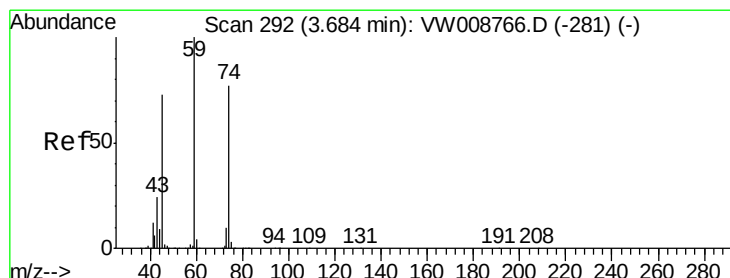
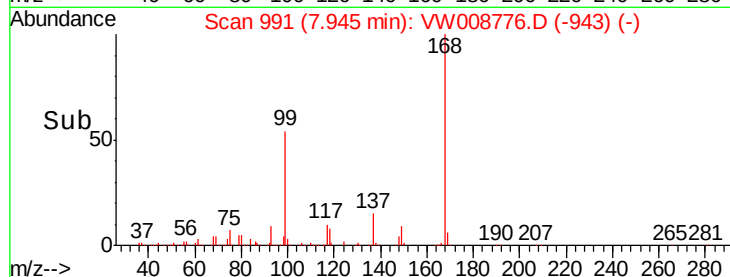
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 2.028 ug/l

RT: 3.69 min Scan# 293

Delta R.T. 0.01 min

Lab File: VW008776.D

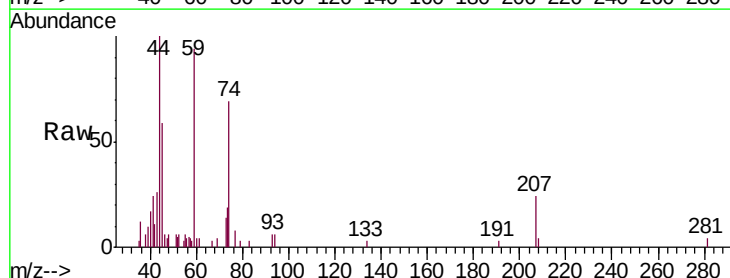
Acq: 21 Feb 2019 18:10

Tgt Ion: 74 Resp: 3358

Ion Ratio Lower Upper

74 100

45 102.3 50.2 150.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.69

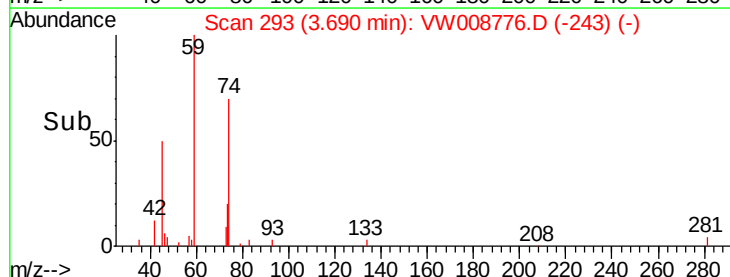
1500

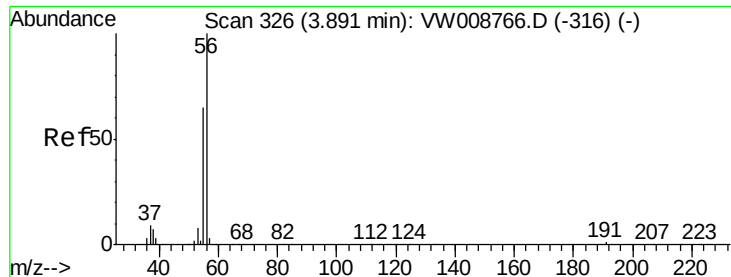
1000

500

0

Time--> 3.60 3.65 3.70 3.75





#13

Acrolein

Concen: 21.199 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW008776.D

Acq: 21 Feb 2019 18:10

Instrument :

MSVOA_W

ClientSampleId :

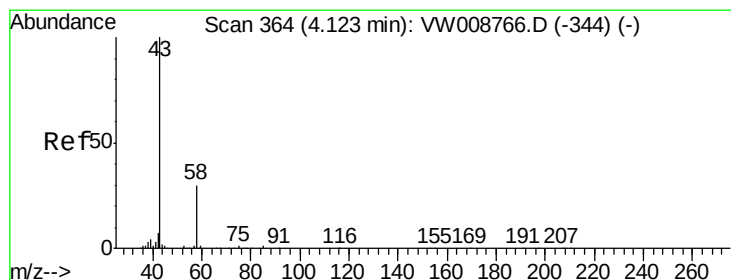
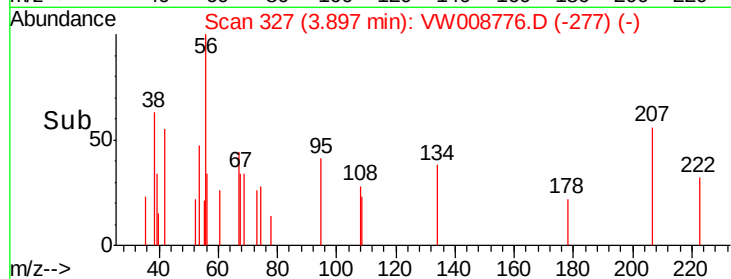
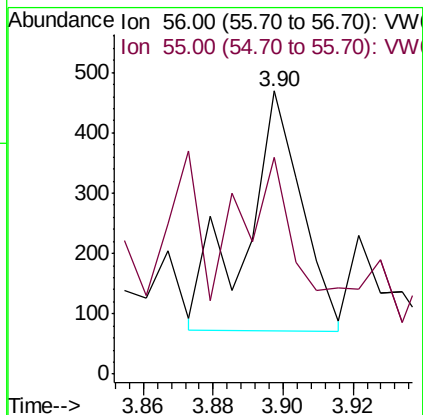
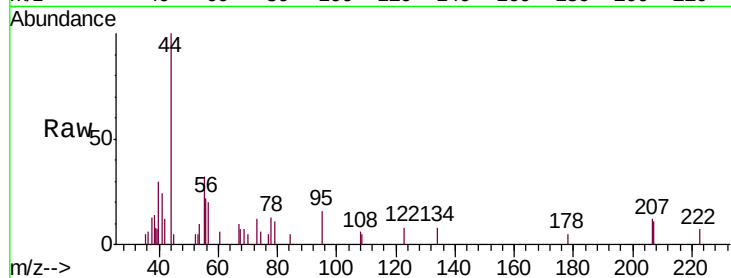
M-11-A-S

Tgt Ion: 56 Resp: 435

Ion Ratio Lower Upper

56 100

55 53.8 56.9 85.3#



#16

Acetone

Concen: 46.652 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008776.D

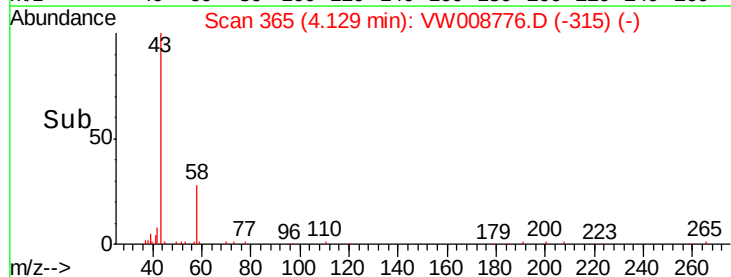
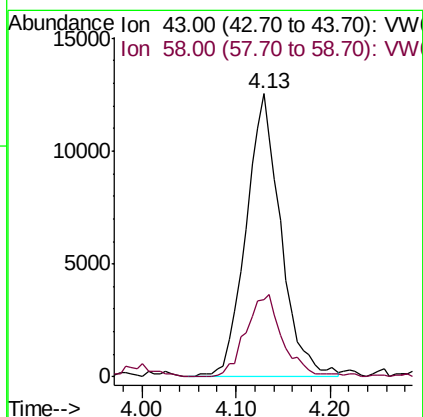
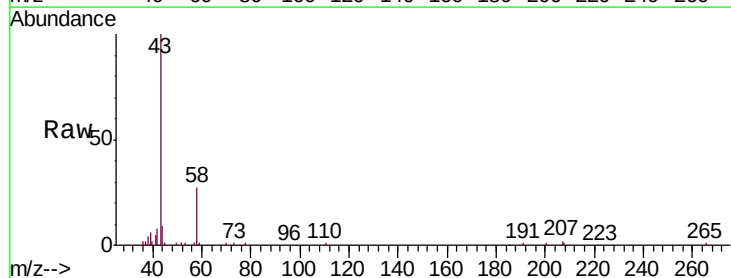
Acq: 21 Feb 2019 18:10

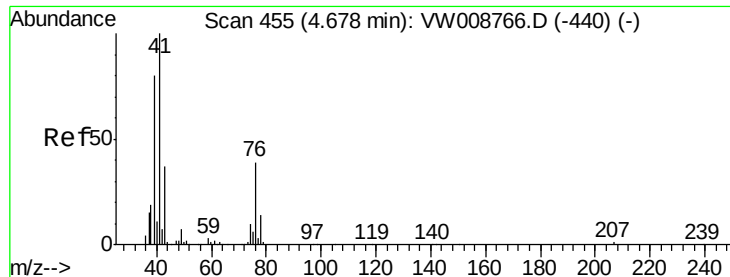
Tgt Ion: 43 Resp: 32498

Ion Ratio Lower Upper

43 100

58 27.5 23.8 35.6

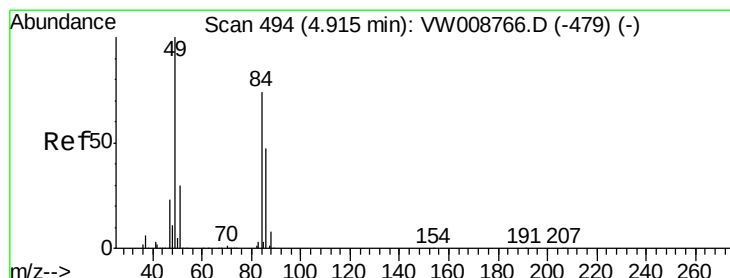
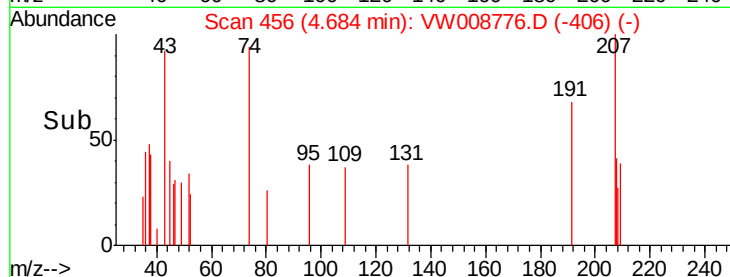
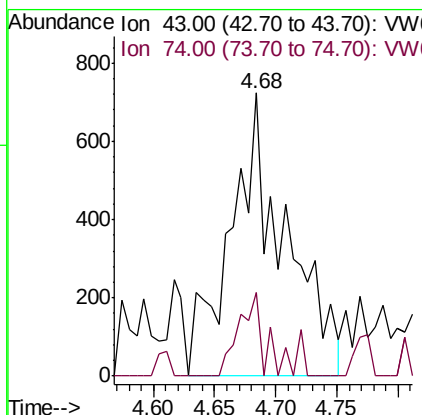
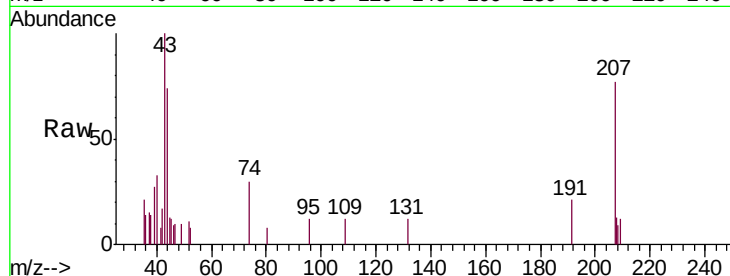




#18
Methyl Acetate
Concen: 1.352 ug/l
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW008776.D
Acq: 21 Feb 2019 18:10

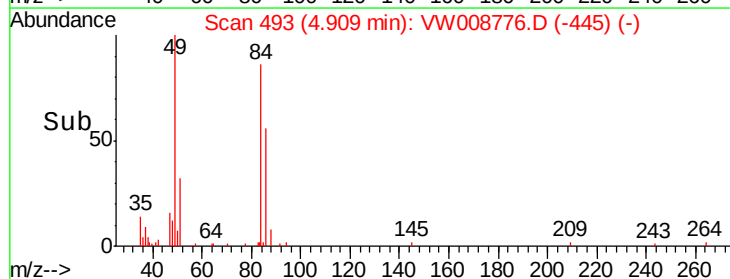
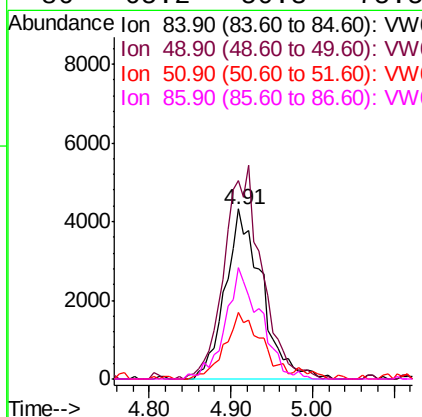
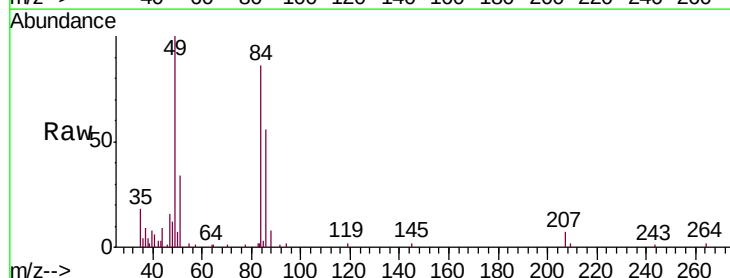
Instrument :
MSVOA_W
ClientSampleId :
M-11-A-S

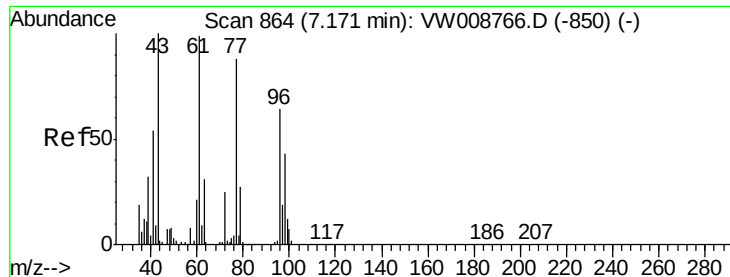
Tgt Ion: 43 Resp: 2234
Ion Ratio Lower Upper
43 100
74 12.7 19.4 29.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW008776.D
Acq: 21 Feb 2019 18:10

Tgt Ion: 84 Resp: 13495
Ion Ratio Lower Upper
84 100
49 116.9 108.2 162.2
51 39.4 32.7 49.1
86 65.2 50.3 75.5





#25

2-Butanone

Concen: 4.110 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW008776.D

Acq: 21 Feb 2019 18:10

Instrument :

MSVOA_W

ClientSampleId :

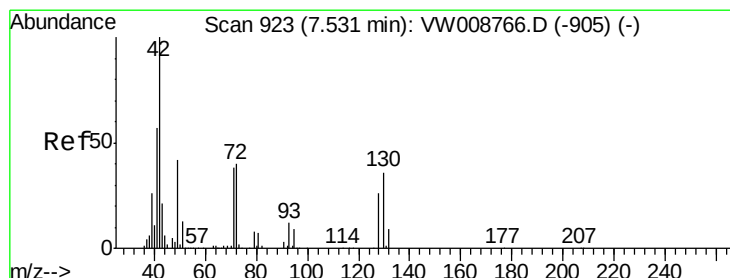
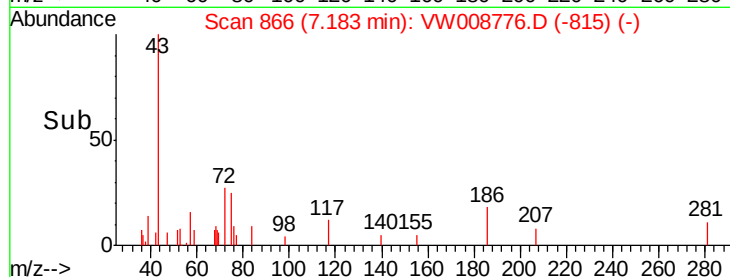
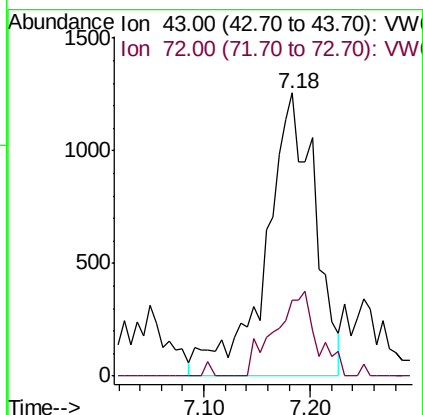
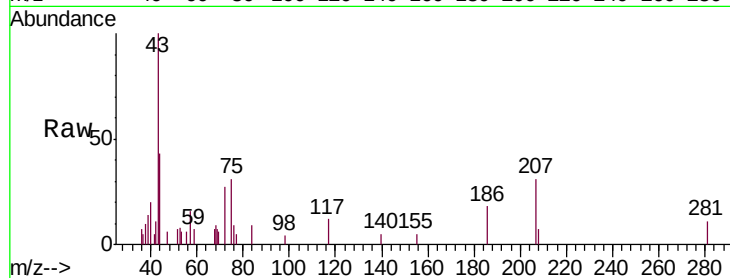
M-11-A-S

Tgt Ion: 43 Resp: 4003

Ion Ratio Lower Upper

43 100

72 28.2 19.7 29.5



#29

Tetrahydrofuran

Concen: 1.764 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW008776.D

Acq: 21 Feb 2019 18:10

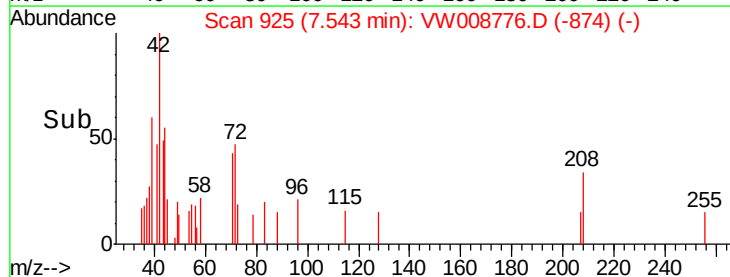
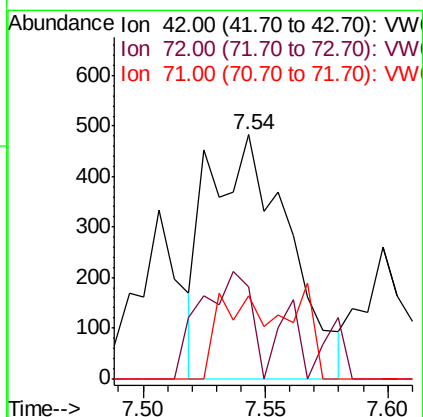
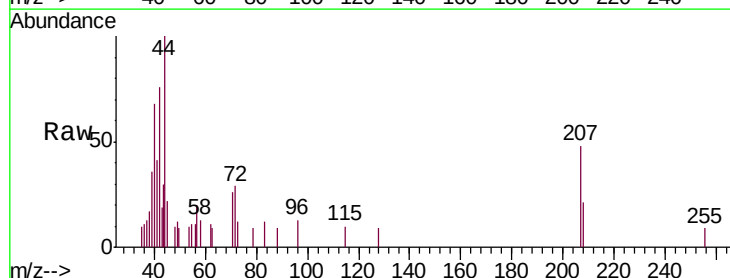
Tgt Ion: 42 Resp: 1095

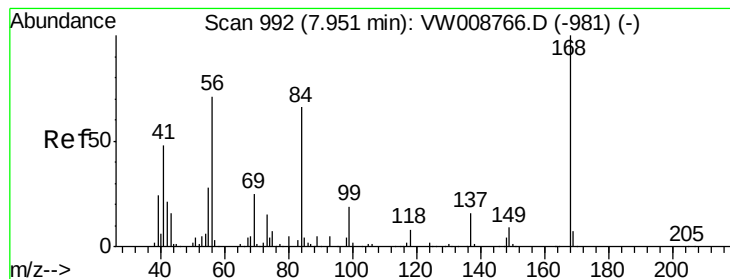
Ion Ratio Lower Upper

42 100

72 27.4 32.7 49.1#

71 18.4 31.3 46.9#





#31

Cyclohexane

Concen: 1.394 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008776.D

Acq: 21 Feb 2019 18:10

Instrument :

MSVOA_W

ClientSampleId :

M-11-A-S

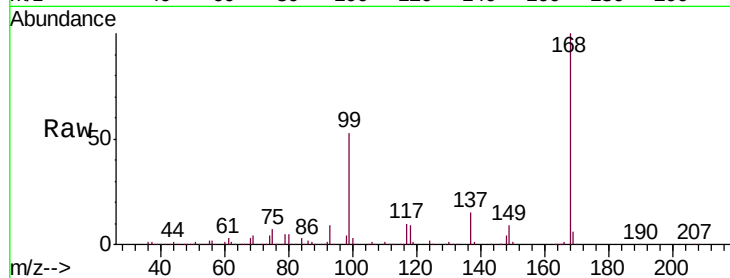
Tgt Ion: 56 Resp: 7900

Ion Ratio Lower Upper

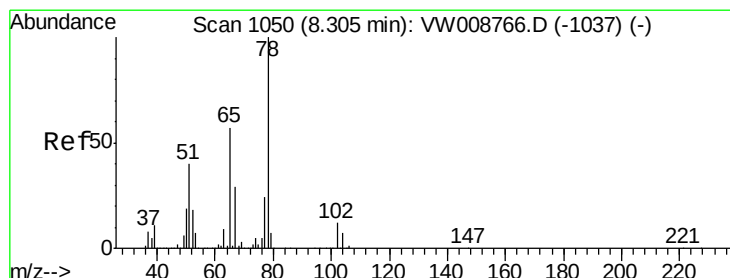
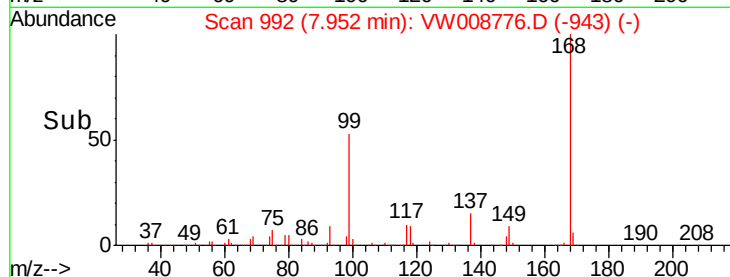
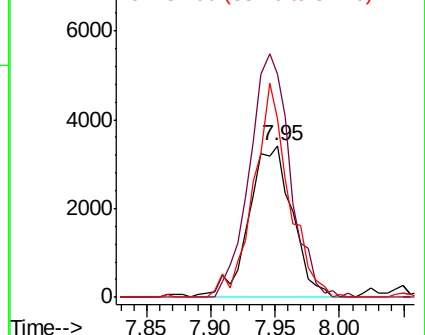
56 100

69 146.6 28.2 42.4#

84 117.7 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: 59.058 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008776.D

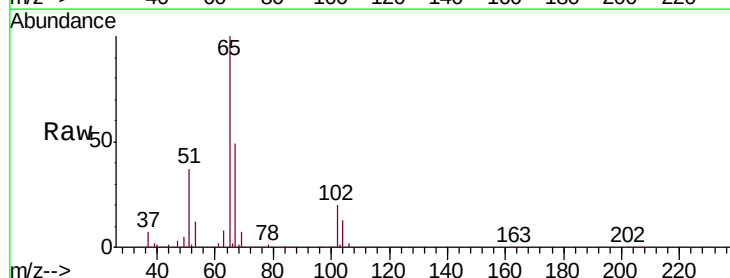
Acq: 21 Feb 2019 18:10

Tgt Ion: 65 Resp: 177489

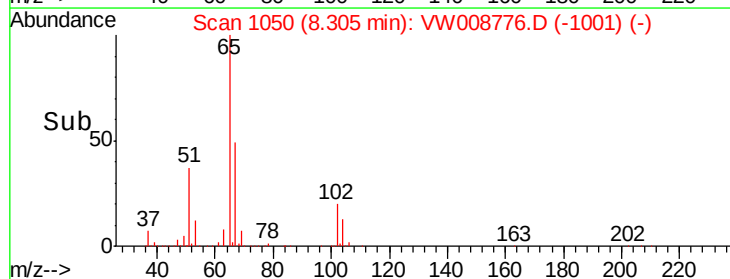
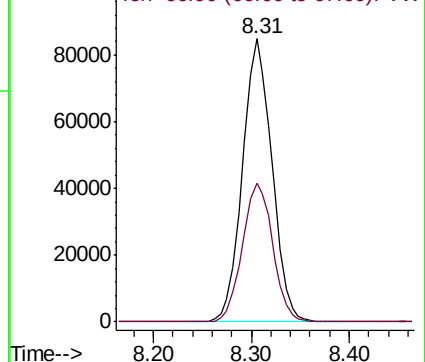
Ion Ratio Lower Upper

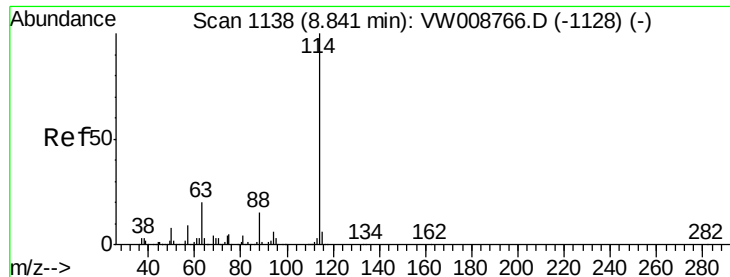
65 100

67 50.4 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: VW008776.D

Acq: 21 Feb 2019 18:10

Instrument :

MSVOA_W

ClientSampleId :

M-11-A-S

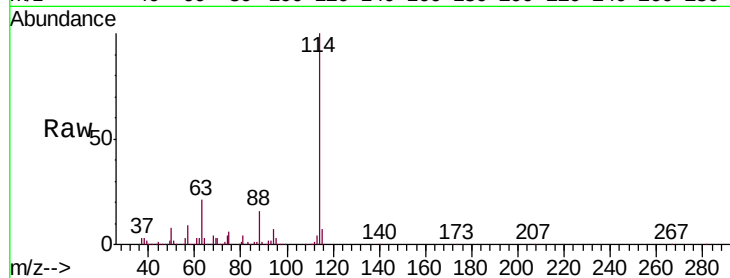
Tgt Ion:114 Resp: 484225

Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.8

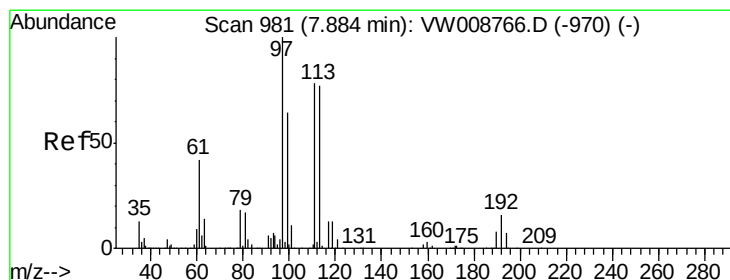
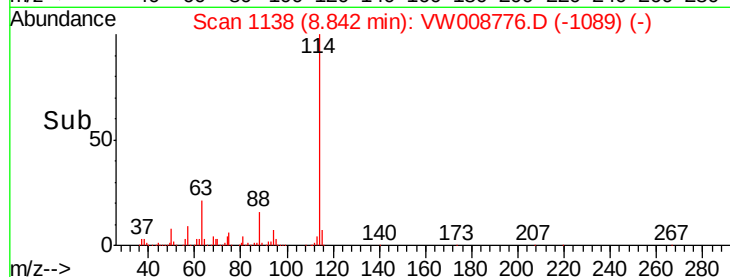
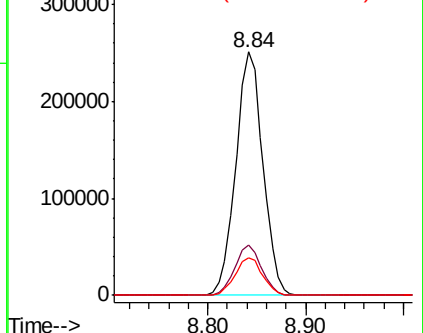
88 15.5 0.0 30.4



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: 51.143 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008776.D

Acq: 21 Feb 2019 18:10

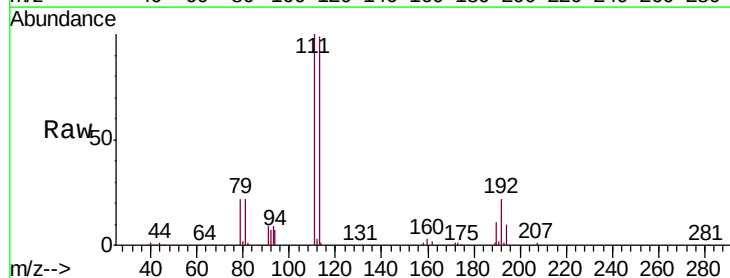
Tgt Ion:113 Resp: 148689

Ion Ratio Lower Upper

113 100

111 101.9 81.9 122.9

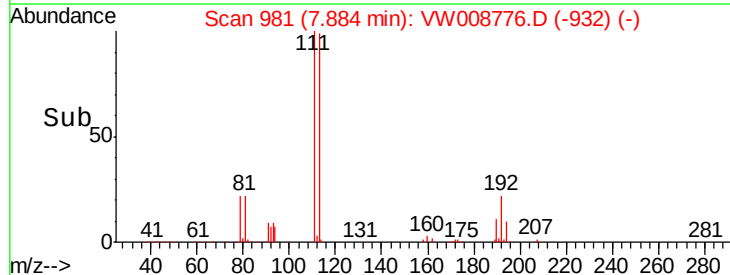
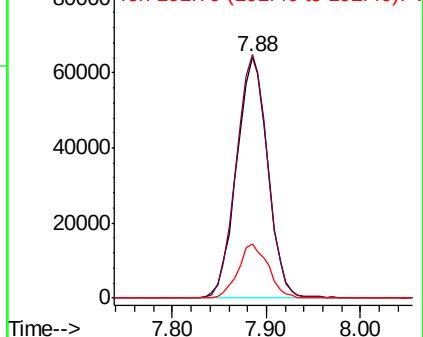
192 21.9 17.1 25.7

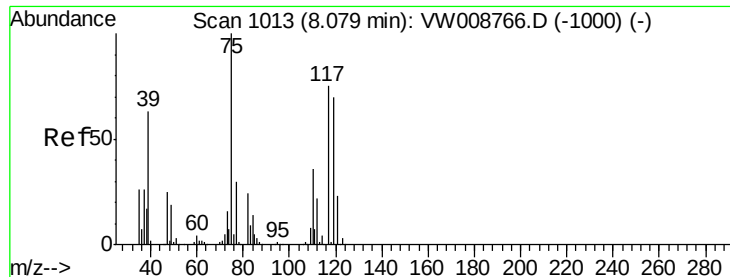


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

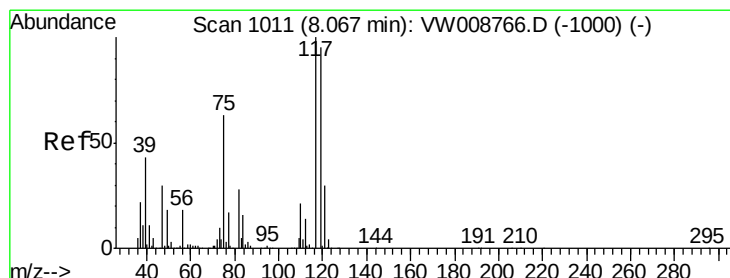
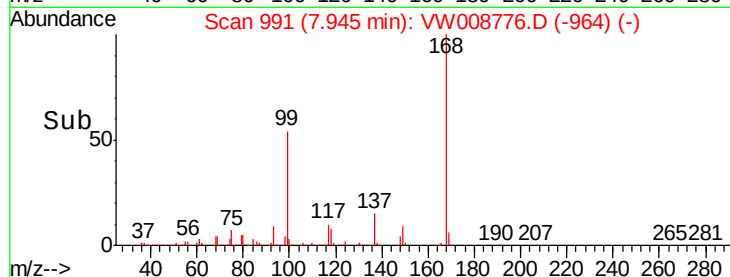
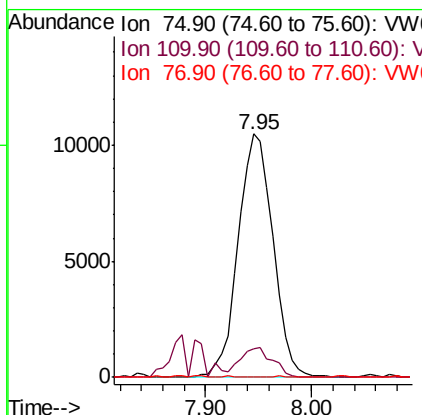
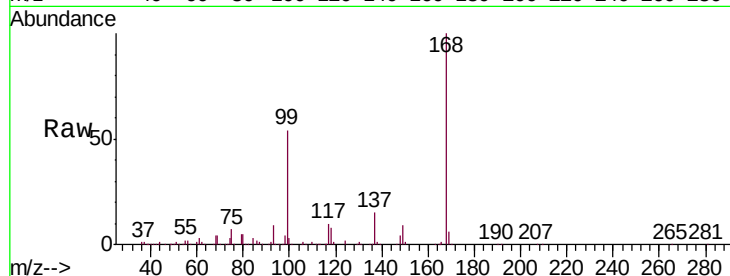




#36
 1,1-Dichloropropene
 Concen: 5.130 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008776.D
 Acq: 21 Feb 2019 18:10

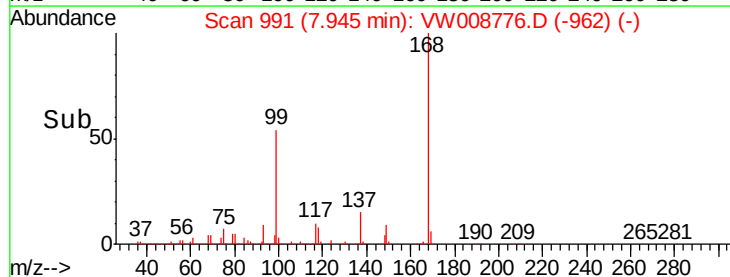
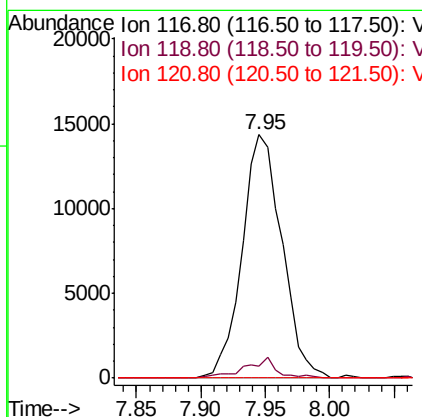
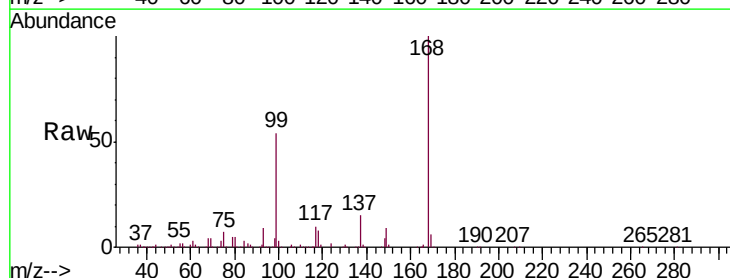
Instrument :
 MSVOA_W
 ClientSampled :
 M-11-A-S

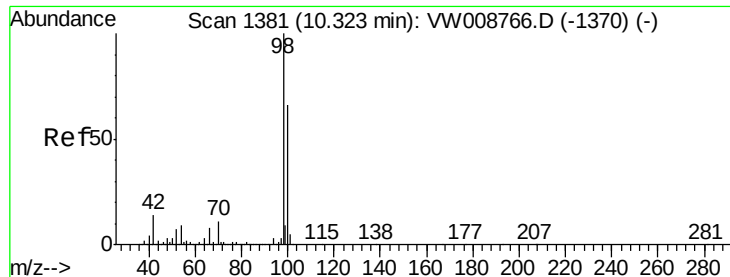
Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.2	17.5	52.6#
77	0.0	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 6.167 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW008776.D
 Acq: 21 Feb 2019 18:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.1	76.1	114.1#
121	0.0	24.0	36.0#





#50

Toluene-d8

Concen: 50.897 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008776.D

Acq: 21 Feb 2019 18:10

Instrument :

MSVOA_W

ClientSampleId :

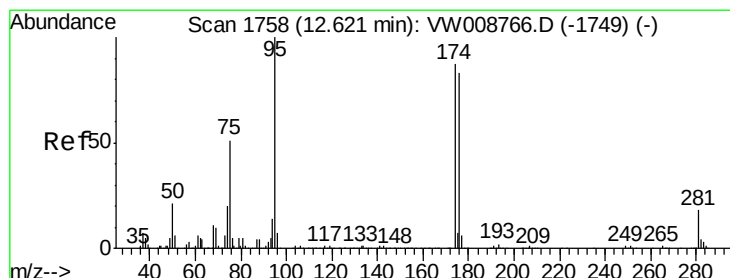
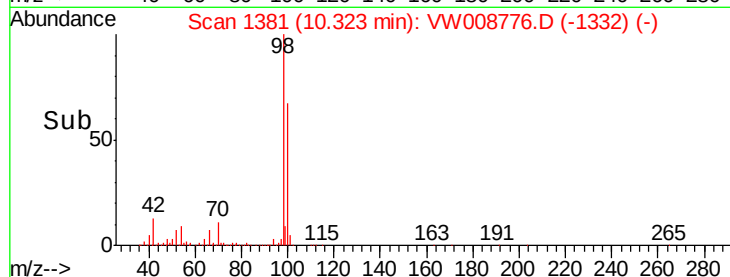
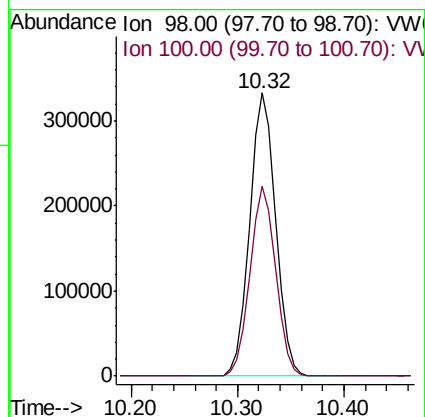
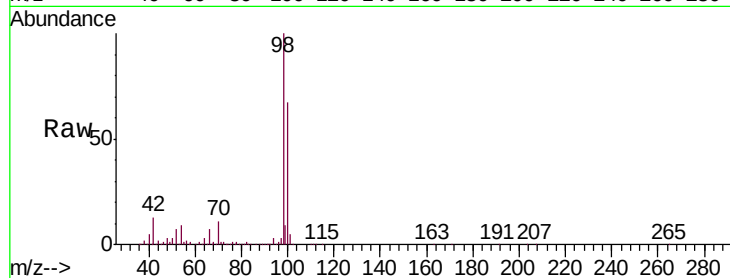
M-11-A-S

Tgt Ion: 98 Resp: 571227

Ion Ratio Lower Upper

98 100

100 66.6 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 45.347 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008776.D

Acq: 21 Feb 2019 18:10

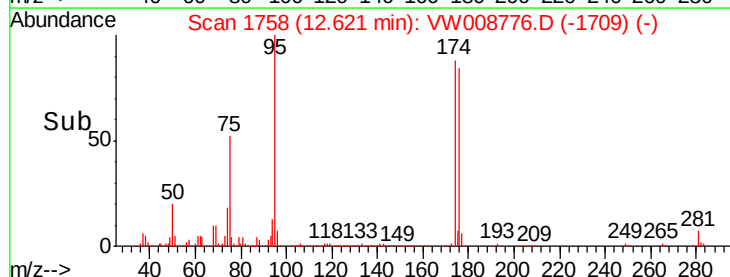
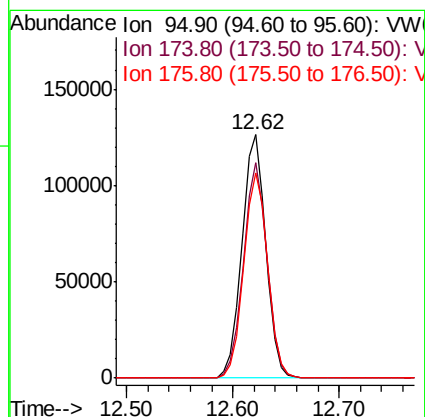
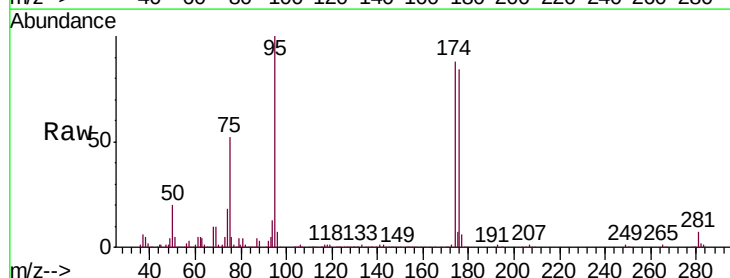
Tgt Ion: 95 Resp: 199272

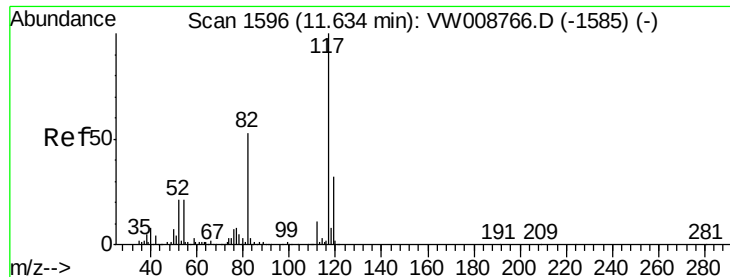
Ion Ratio Lower Upper

95 100

174 87.2 0.0 169.2

176 84.3 0.0 163.6

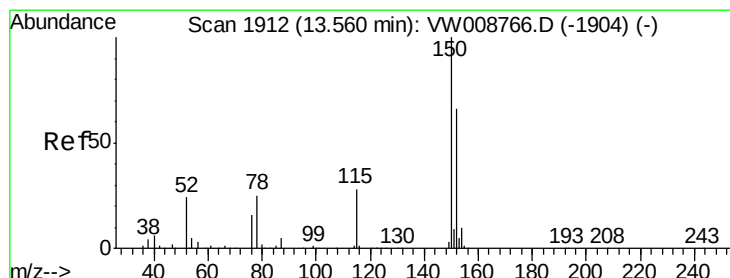
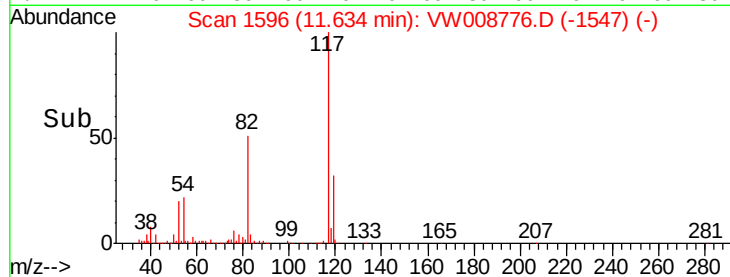
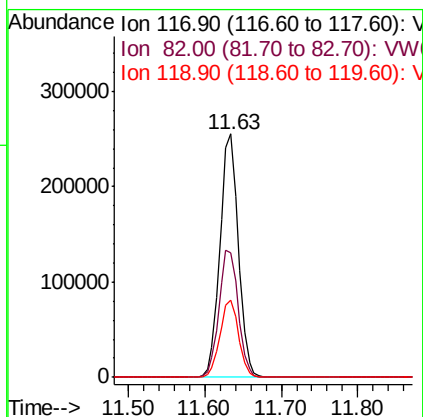
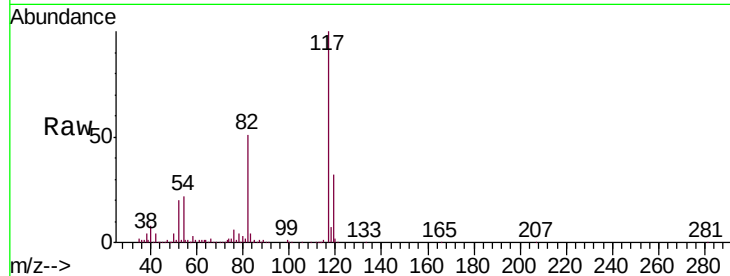




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008776.D
Acq: 21 Feb 2019 18:10

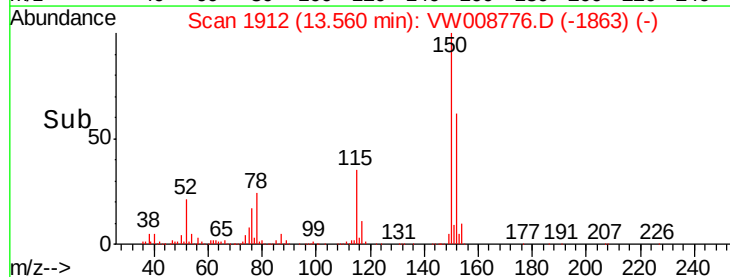
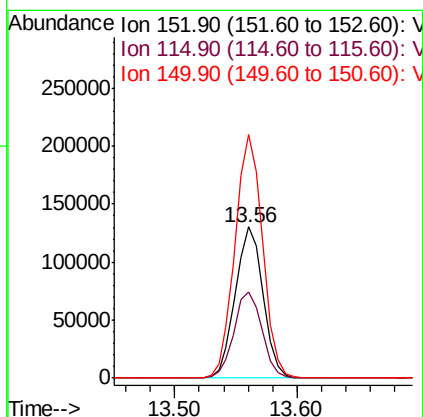
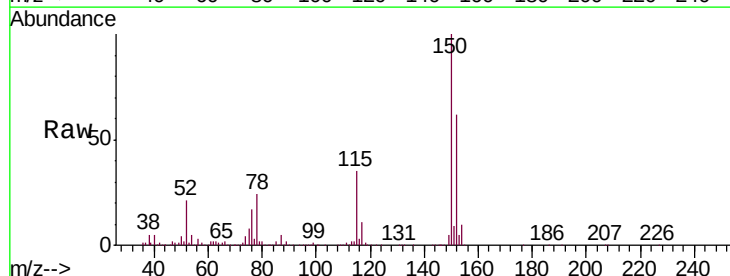
Instrument :
MSVOA_W
ClientSampleId :
M-11-A-S

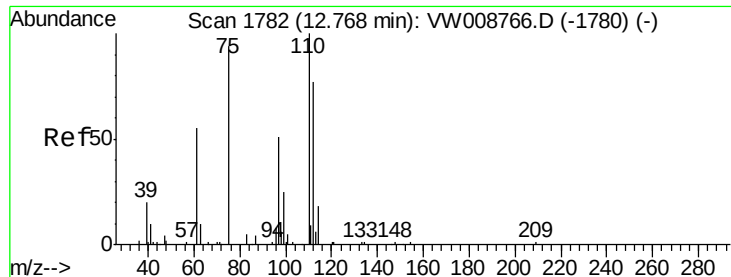
Tgt Ion:117 Resp: 425491
Ion Ratio Lower Upper
117 100
82 51.0 42.2 63.4
119 31.7 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008776.D
Acq: 21 Feb 2019 18:10

Tgt Ion:152 Resp: 203895
Ion Ratio Lower Upper
152 100
115 57.1 28.6 85.8
150 159.8 0.0 348.0





#76

1,2,3-Trichloropropane

Concen: 62.258 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008776.D

Acq: 21 Feb 2019 18:10

Instrument :

MSVOA_W

ClientSampleId :

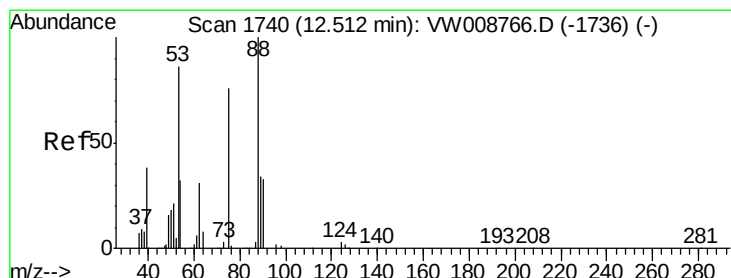
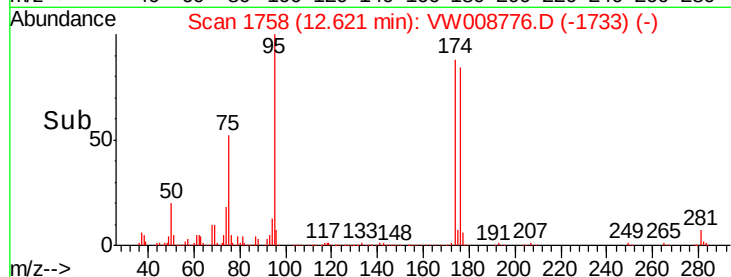
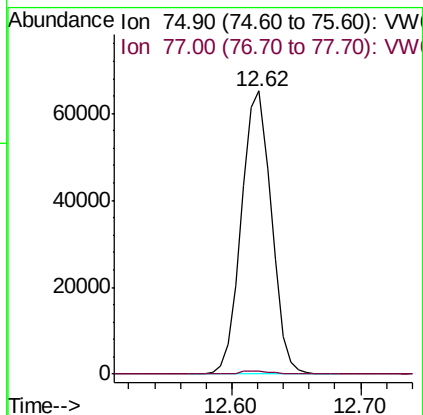
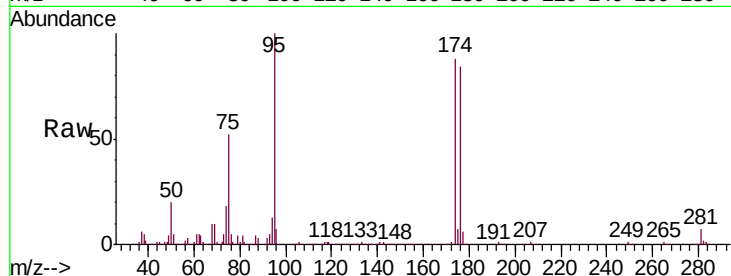
M-11-A-S

Tgt Ion: 75 Resp: 104806

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 151.353 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008776.D

Acq: 21 Feb 2019 18:10

Tgt Ion: 75 Resp: 104806

Ion Ratio Lower Upper

75 100

53 0.3 88.2 132.2#

89 0.1 39.5 59.3#

