

Data File : VW008777.D
Acq On : 21 Feb 2019 18:37
Operator : SY/VA
Sample : K1538-07RE
Misc : 5.97G/5ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Feb 22 00:48:59 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	361910	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	556317	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	482057	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	235443	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	189838	55.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.86%	
35) Dibromofluoromethane	7.88	113	173039	51.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.62%	
50) Toluene-d8	10.32	98	655202	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	
62) 4-Bromofluorobenzene	12.62	95	223594	44.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.58%	

Target Compounds

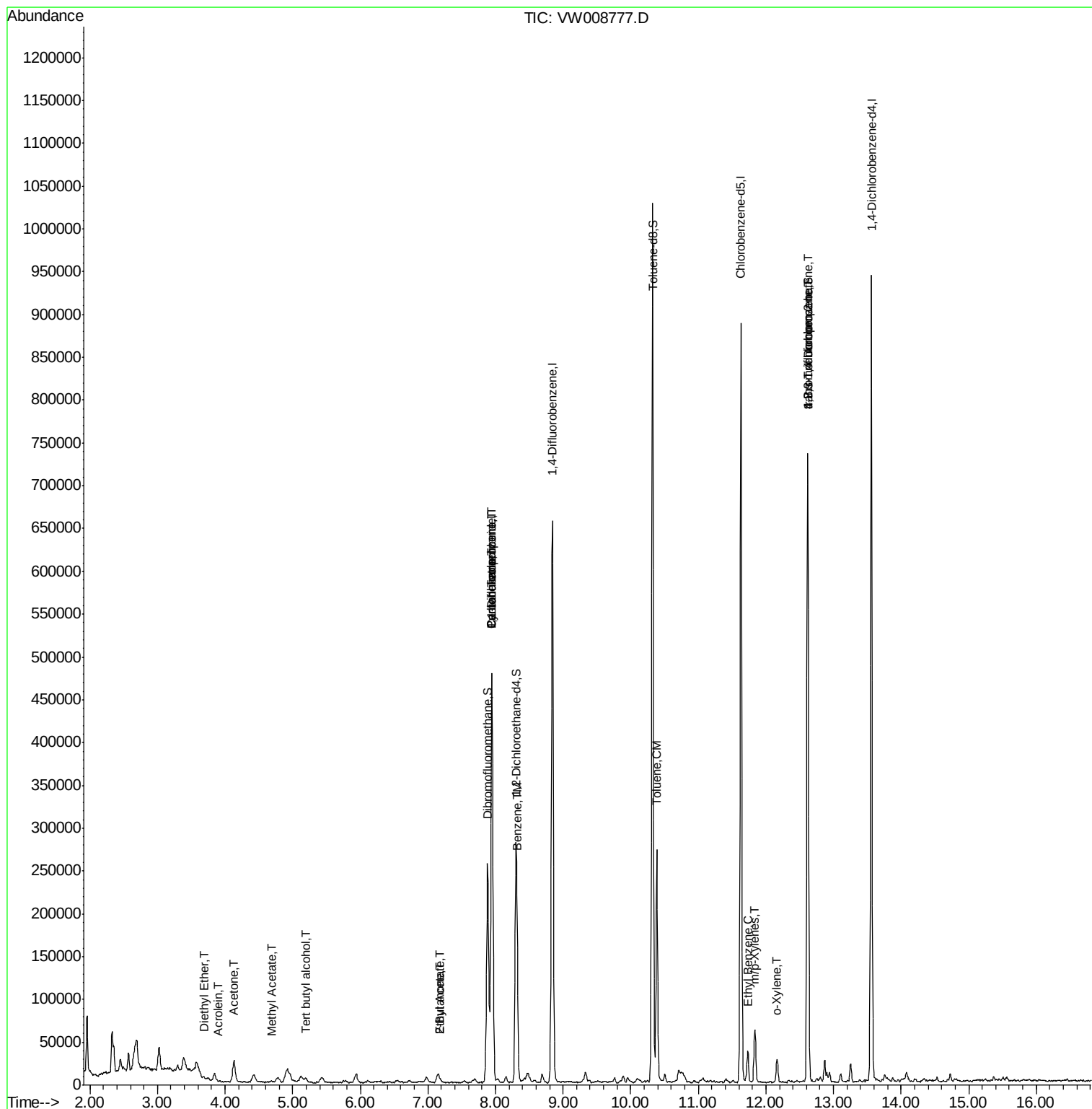
						Qvalue
8) Diethyl Ether	3.69	74	2237	1.196	ug/l	81
11) Tert butyl alcohol	5.19	59	4850	16.049	ug/l #	76
13) Acrolein	3.90	56	501	21.227	ug/l #	14
16) Acetone	4.13	43	44825	56.972	ug/l	94
18) Methyl Acetate	4.68	43	3025	1.621	ug/l #	88
20) Methylene Chloride	4.92	84	9777	Below Cal	#	80
25) 2-Butanone	7.18	43	2577	2.343	ug/l #	67
31) Cyclohexane	7.95	56	10582	1.654	ug/l #	15
36) 1,1-Dichloropropene	7.95	75	27029	4.991	ug/l #	50
37) Ethyl Acetate	7.18	43	2799	1.111	ug/l #	73
38) Carbon Tetrachloride	7.95	117	34661	6.069	ug/l #	17
40) Benzene	8.32	78	42773	2.893	ug/l	96
52) Toluene	10.39	92	112099	11.171	ug/l	99
67) Ethyl Benzene	11.73	91	23679	1.307	ug/l	95
68) m/p-Xylenes	11.83	106	17557	2.425	ug/l	100
69) o-Xylene	12.16	106	7423	1.092	ug/l	96
76) 1,2,3-Trichloropropane	12.62	75	116377	59.868	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	116377	145.544	ug/l #	6

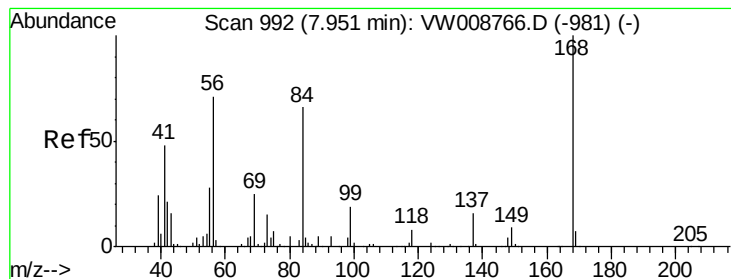
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008777.D

Acq: 21 Feb 2019 18:37

Instrument :

MSVOA_W

ClientSampleId :

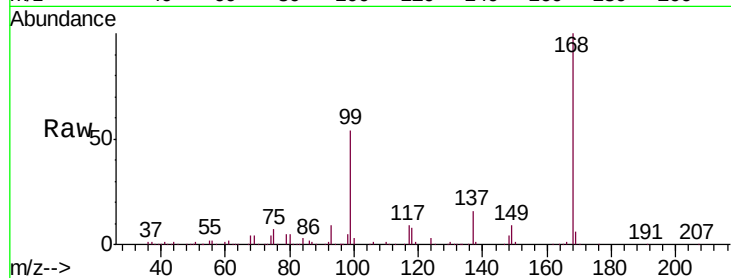
M-11-A-D

Tgt Ion:168 Resp: 361910

Ion Ratio Lower Upper

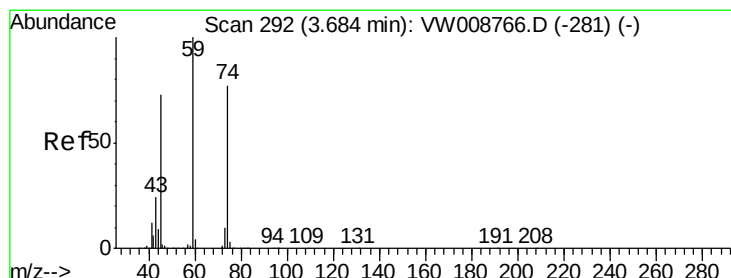
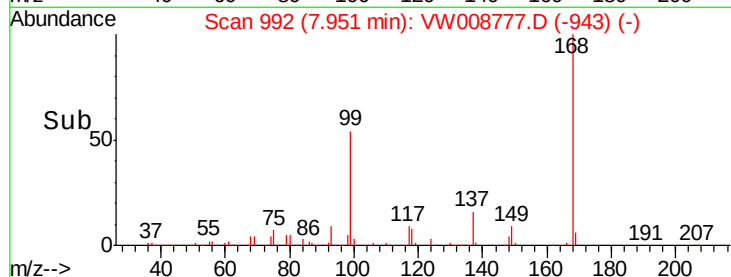
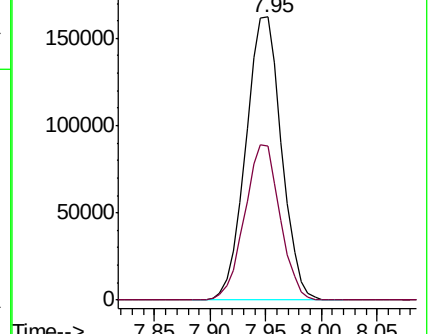
168 100

99 54.5 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.196 ug/l

RT: 3.69 min Scan# 293

Delta R.T. 0.01 min

Lab File: VW008777.D

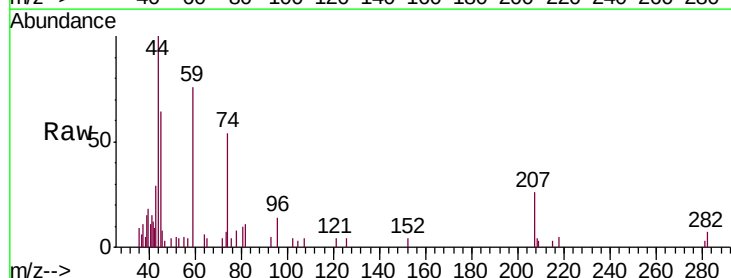
Acq: 21 Feb 2019 18:37

Tgt Ion: 74 Resp: 2237

Ion Ratio Lower Upper

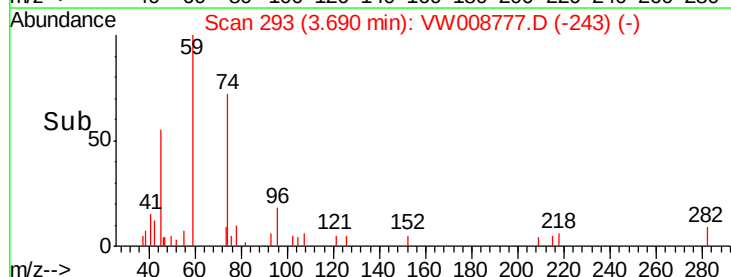
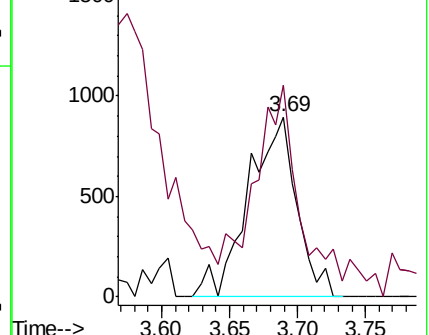
74 100

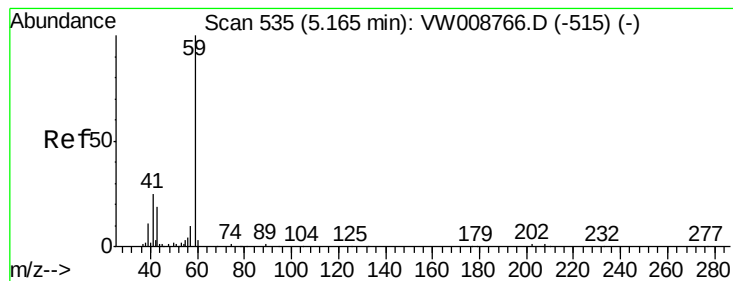
45 119.8 50.2 150.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



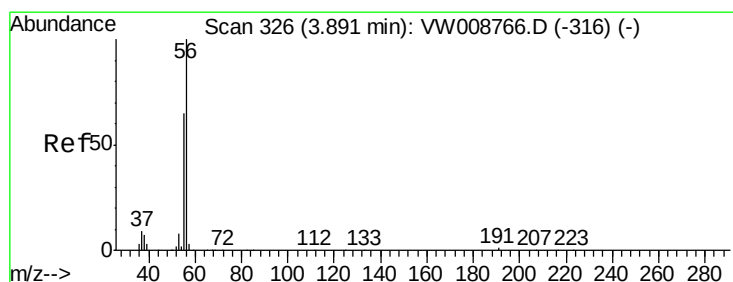
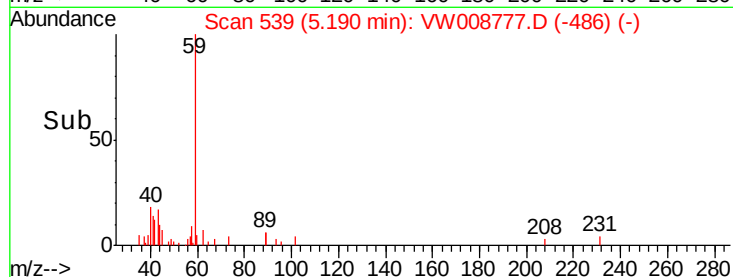
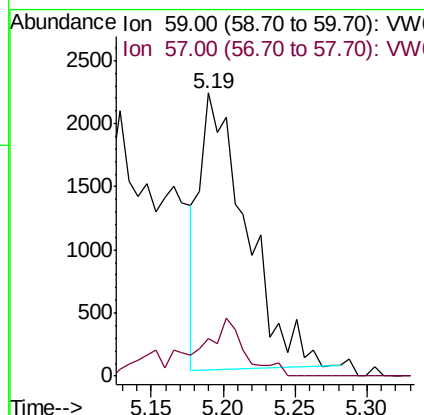
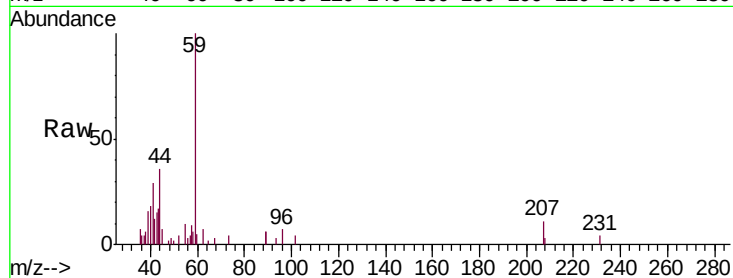


#11

Tert butyl alcohol
 Concen: 16.049 ug/l
 RT: 5.19 min Scan# 539
 Delta R.T. 0.02 min
 Lab File: VW008777.D
 Acq: 21 Feb 2019 18:37

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

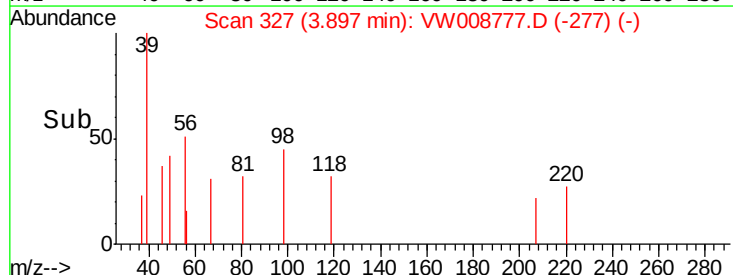
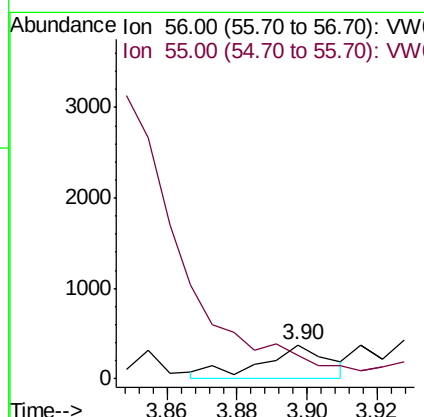
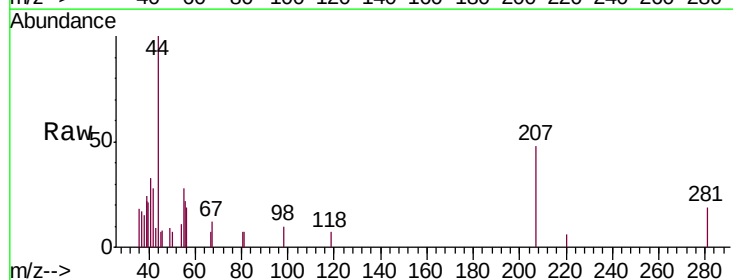
Tgt Ion: 59 Resp: 4850
 Ion Ratio Lower Upper
 59 100
 57 20.7 9.3 13.9#

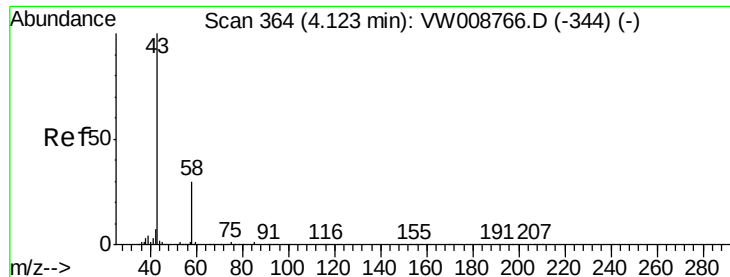


#13

Acrolein
 Concen: 21.227 ug/l
 RT: 3.90 min Scan# 327
 Delta R.T. 0.01 min
 Lab File: VW008777.D
 Acq: 21 Feb 2019 18:37

Tgt Ion: 56 Resp: 501
 Ion Ratio Lower Upper
 56 100
 55 0.0 56.9 85.3#

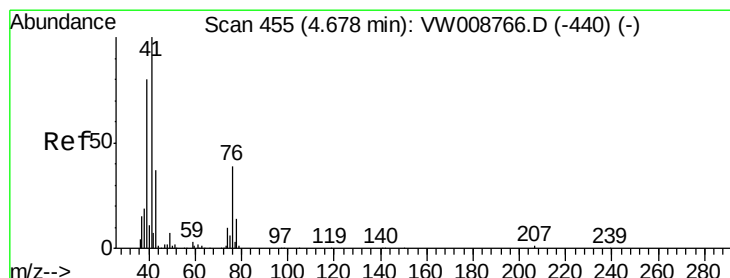
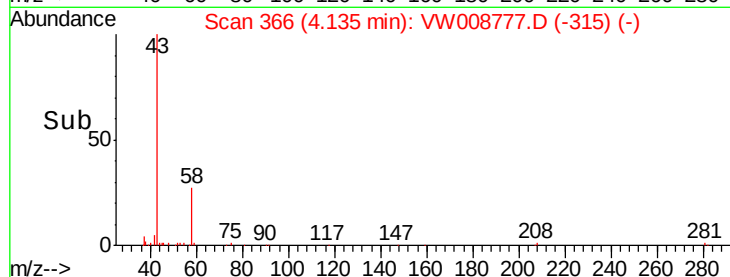
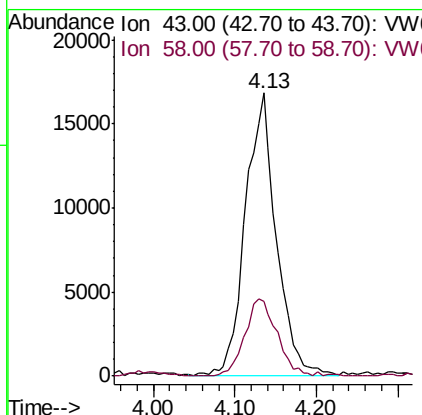
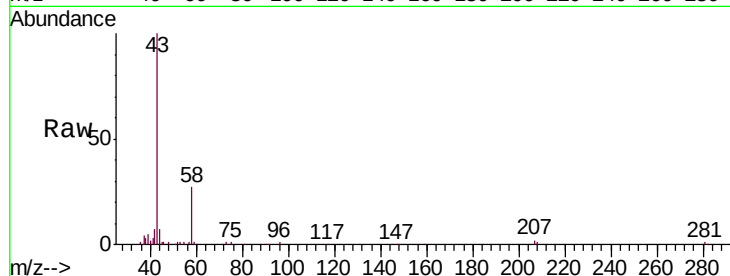




#16
Acetone
Concen: 56.972 ug/l
RT: 4.13 min Scan# 366
Delta R.T. 0.01 min
Lab File: VW008777.D
Acq: 21 Feb 2019 18:37

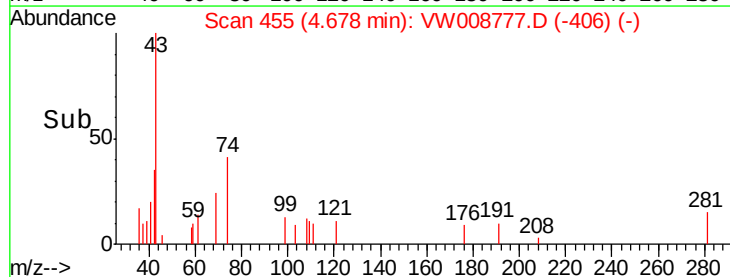
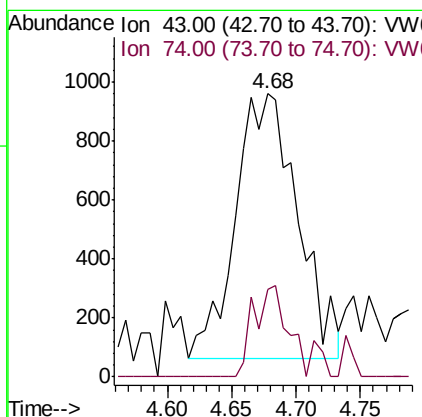
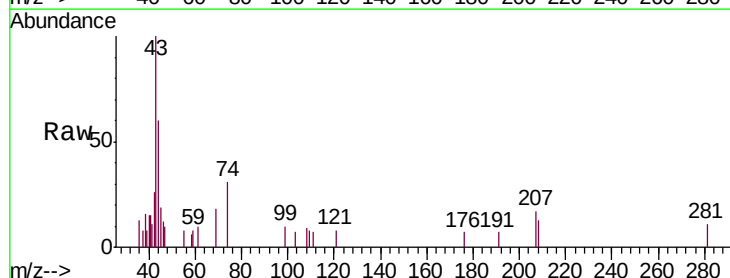
Instrument :
MSVOA_W
ClientSampleId :
M-11-A-D

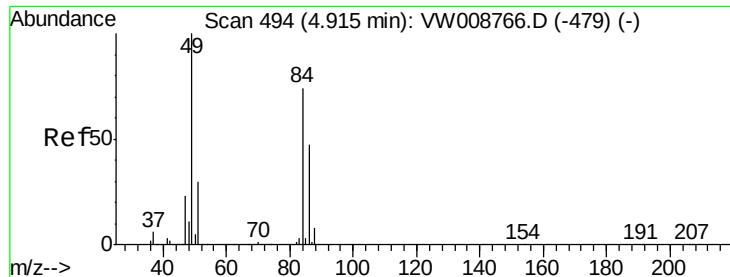
Tgt Ion: 43 Resp: 44825
Ion Ratio Lower Upper
43 100
58 26.2 23.8 35.6



#18
Methyl Acetate
Concen: 1.621 ug/l
RT: 4.68 min Scan# 455
Delta R.T. -0.00 min
Lab File: VW008777.D
Acq: 21 Feb 2019 18:37

Tgt Ion: 43 Resp: 3025
Ion Ratio Lower Upper
43 100
74 18.6 19.4 29.2#

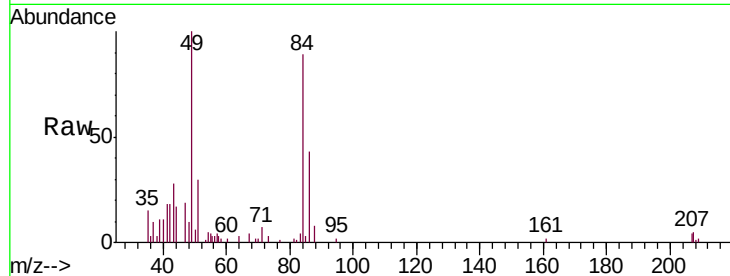




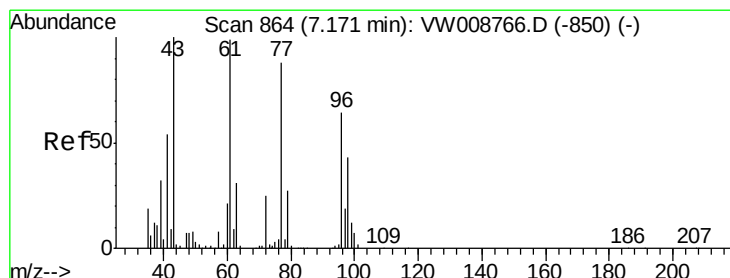
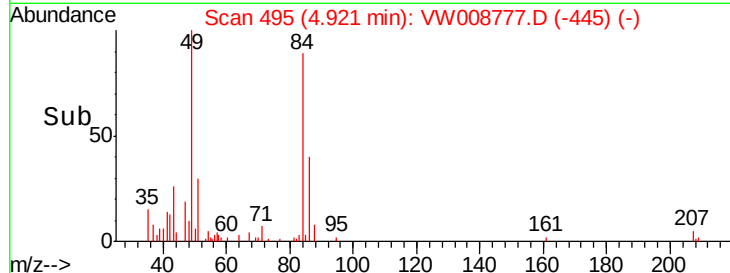
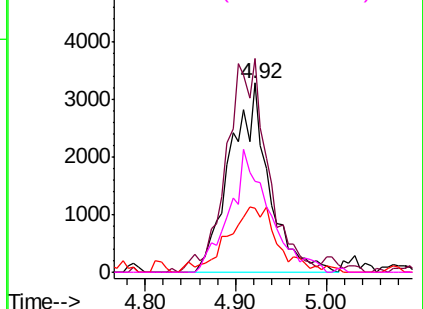
#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW008777.D
Acq: 21 Feb 2019 18:37

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

Tgt Ion: 84 Resp: 9777
Ion Ratio Lower Upper
84 100
49 108.9 108.2 162.2
51 31.9 32.7 49.1#
86 48.1 50.3 75.5#

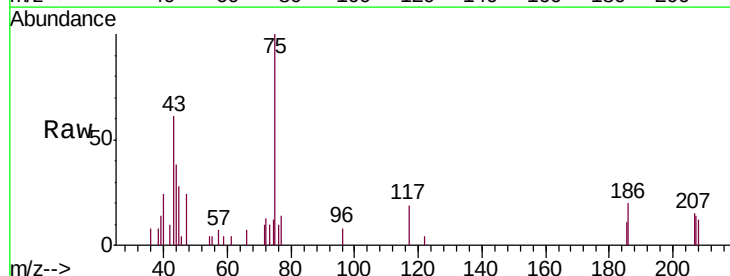


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

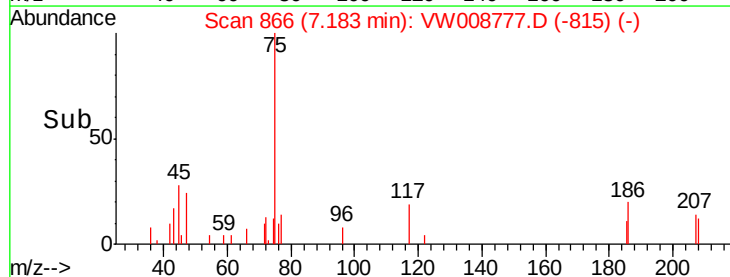
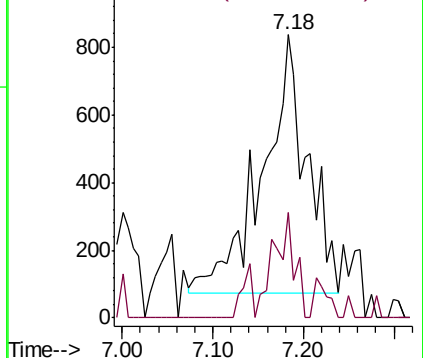


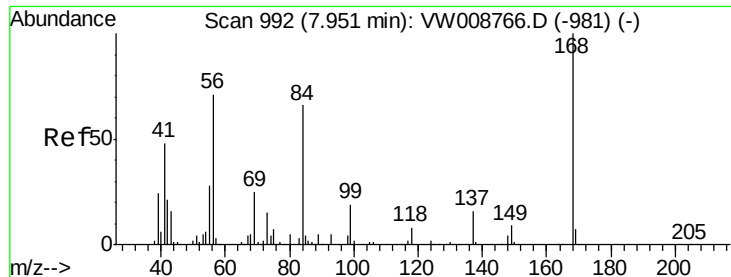
#25
2-Butanone
Concen: 2.343 ug/l
RT: 7.18 min Scan# 866
Delta R.T. 0.01 min
Lab File: VW008777.D
Acq: 21 Feb 2019 18:37

Tgt Ion: 43 Resp: 2577
Ion Ratio Lower Upper
43 100
72 40.9 19.7 29.5#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW

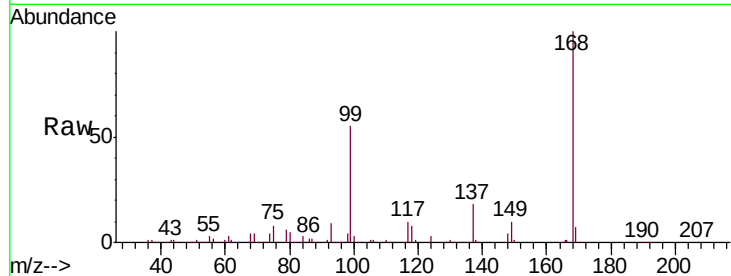




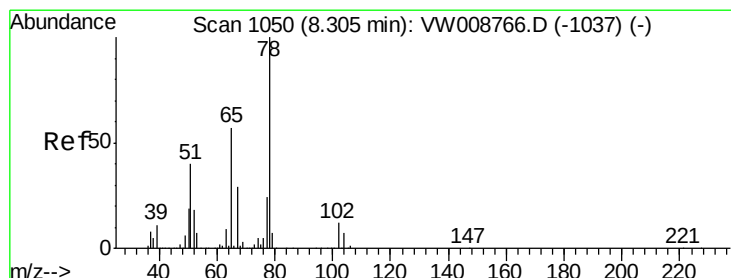
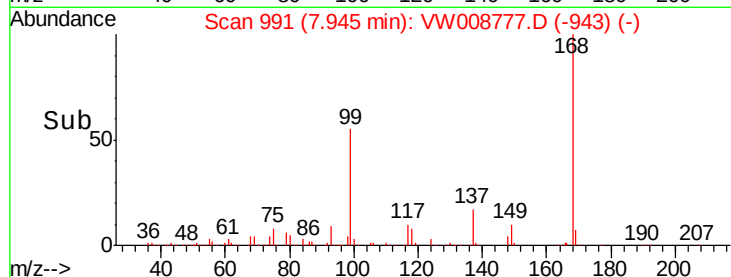
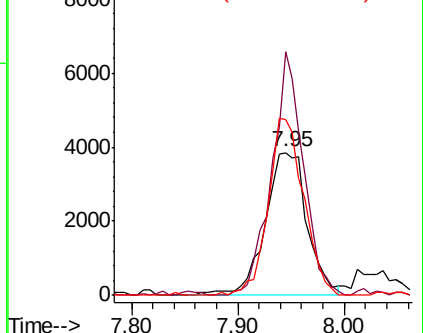
#31
Cyclohexane
Concen: 1.654 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008777.D
Acq: 21 Feb 2019 18:37

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

Tgt Ion: 56 Resp: 10582
Ion Ratio Lower Upper
56 100
69 167.3 28.2 42.4#
84 122.8 74.1 111.1#

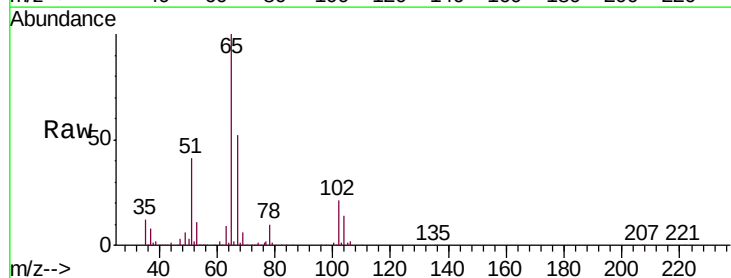


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

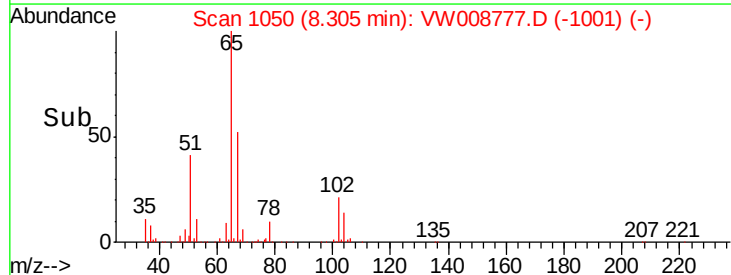
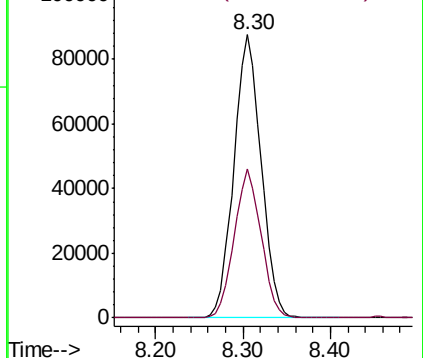


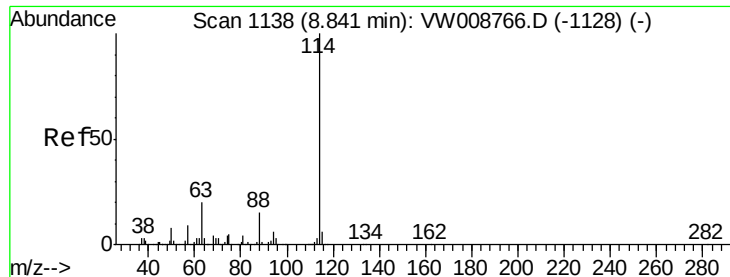
#33
1,2-Dichloroethane-d4
Concen: 55.927 ug/l
RT: 8.30 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW008777.D
Acq: 21 Feb 2019 18:37

Tgt Ion: 65 Resp: 189838
Ion Ratio Lower Upper
65 100
67 51.8 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: VW008777.D

Acq: 21 Feb 2019 18:37

Instrument :

MSVOA_W

ClientSampleId :

M-11-A-D

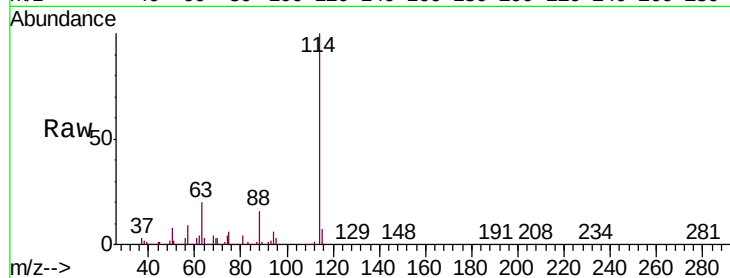
Tgt Ion:114 Resp: 556317

Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.8

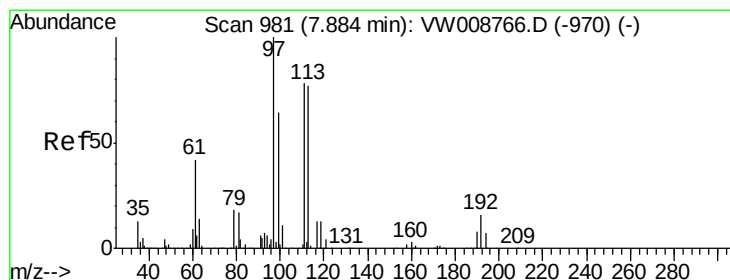
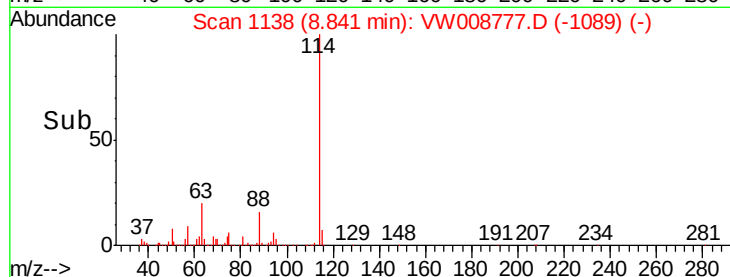
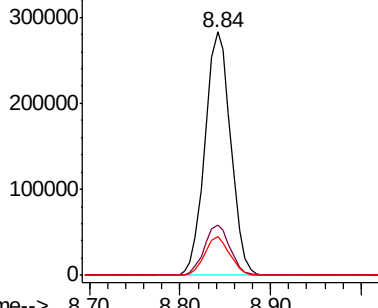
88 16.0 0.0 30.4



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: 51.805 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008777.D

Acq: 21 Feb 2019 18:37

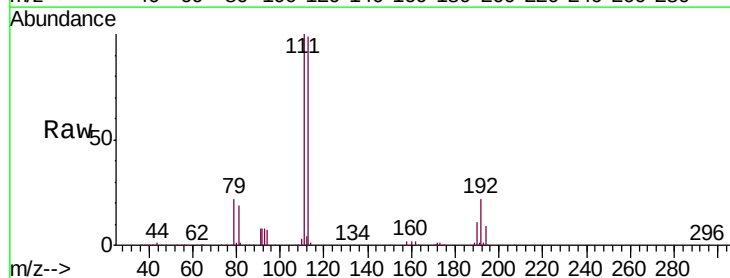
Tgt Ion:113 Resp: 173039

Ion Ratio Lower Upper

113 100

111 101.9 81.9 122.9

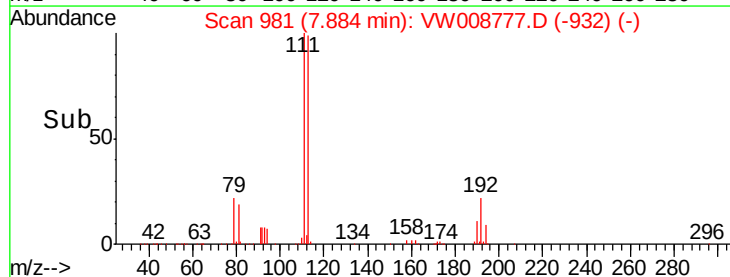
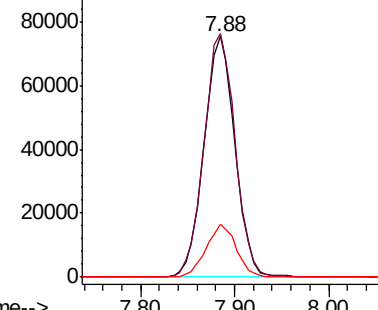
192 21.4 17.1 25.7

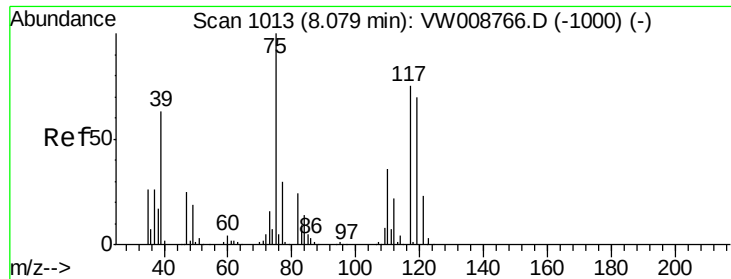


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.991 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW008777.D

Acq: 21 Feb 2019 18:37

Instrument :

MSVOA_W

ClientSampleId :

M-11-A-D

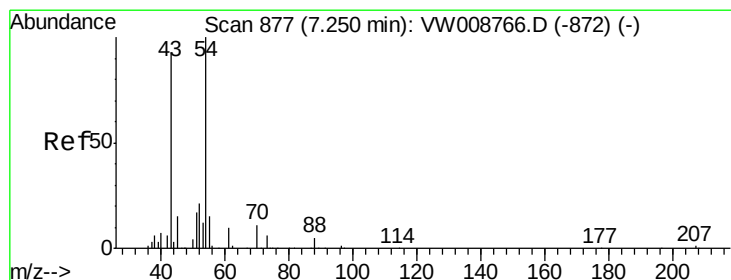
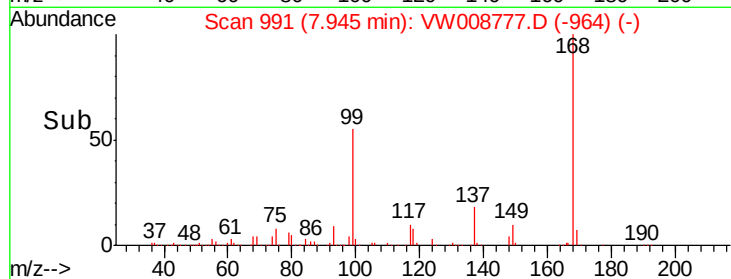
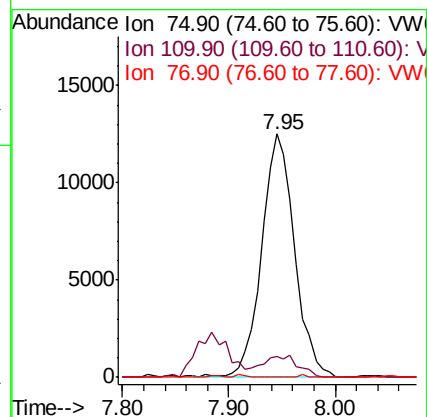
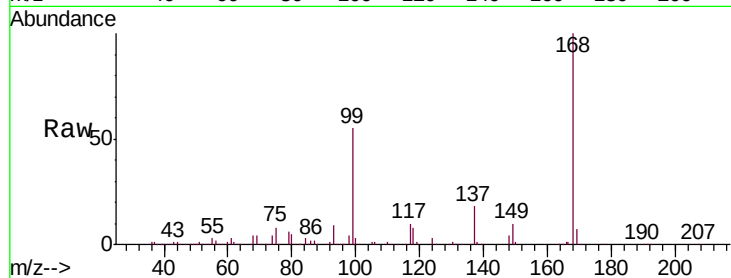
Tgt Ion: 75 Resp: 27029

Ion Ratio Lower Upper

75 100

110 9.5 17.5 52.6#

77 0.0 24.5 36.7#



#37

Ethyl Acetate

Concen: 1.111 ug/l

RT: 7.18 min Scan# 866

Delta R.T. -0.07 min

Lab File: VW008777.D

Acq: 21 Feb 2019 18:37

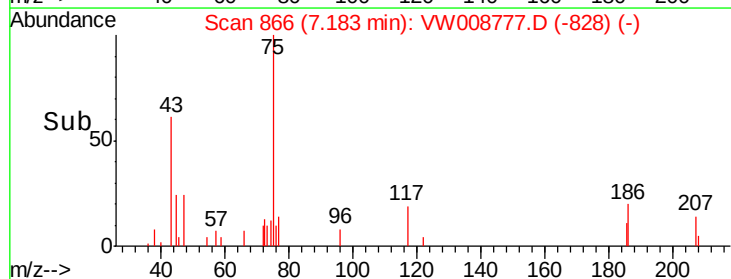
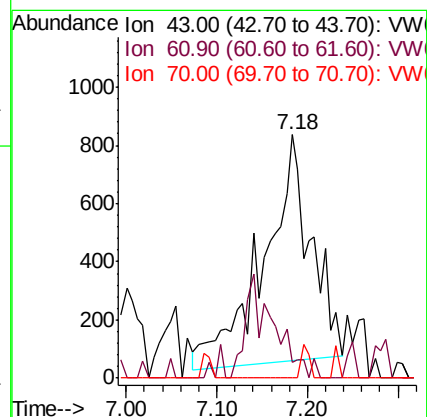
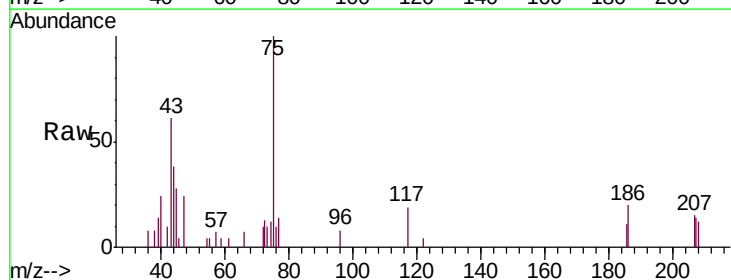
Tgt Ion: 43 Resp: 2799

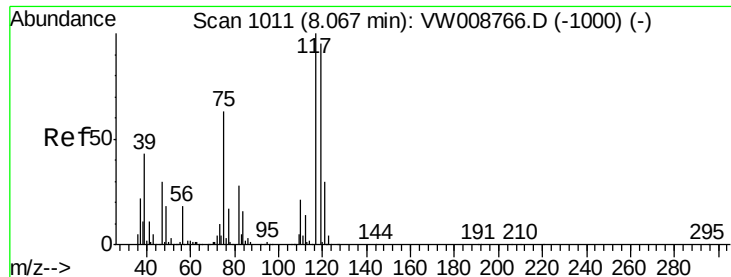
Ion Ratio Lower Upper

43 100

61 0.0 9.8 14.8#

70 2.5 8.4 12.6#





#38

Carbon Tetrachloride

Concen: 6.069 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW008777.D

Acq: 21 Feb 2019 18:37

Instrument :

MSVOA_W

ClientSampleId :

M-11-A-D

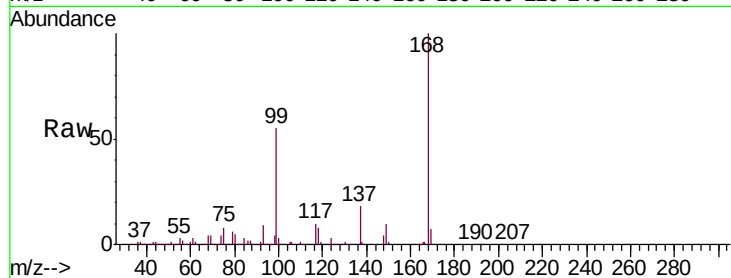
Tgt Ion:117 Resp: 34661

Ion Ratio Lower Upper

117 100

119 5.4 76.1 114.1#

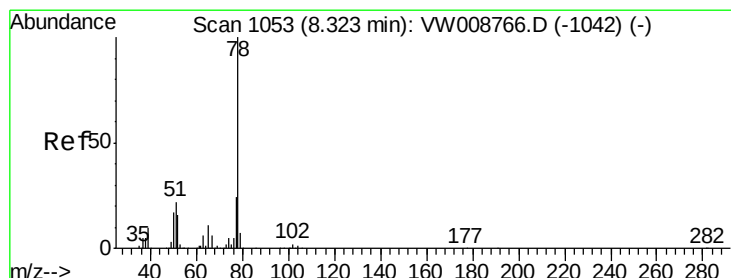
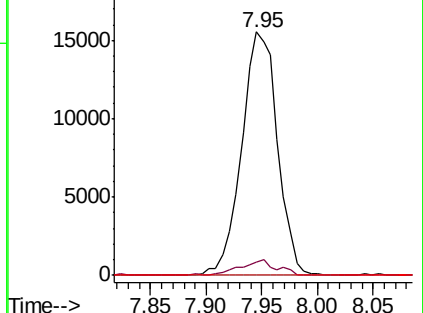
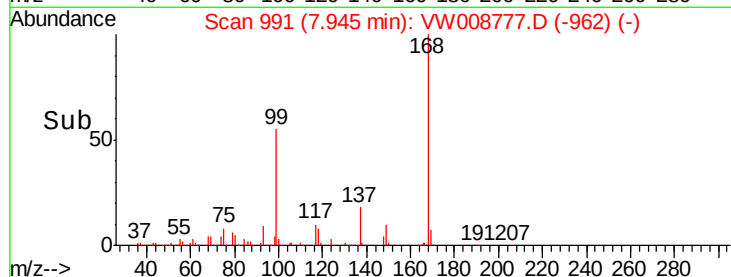
121 0.0 24.0 36.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#40

Benzene

Concen: 2.893 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW008777.D

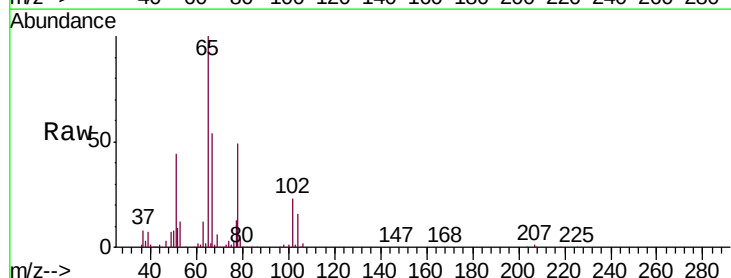
Acq: 21 Feb 2019 18:37

Tgt Ion: 78 Resp: 42773

Ion Ratio Lower Upper

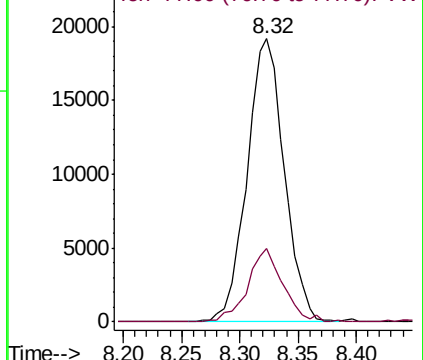
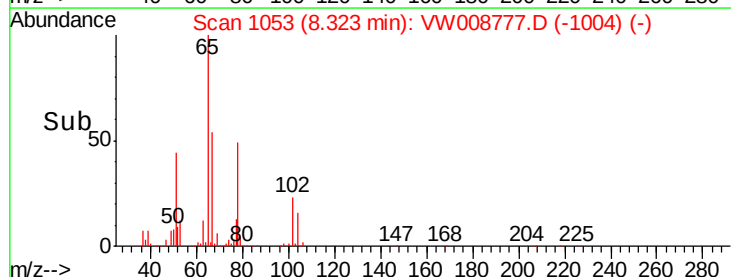
78 100

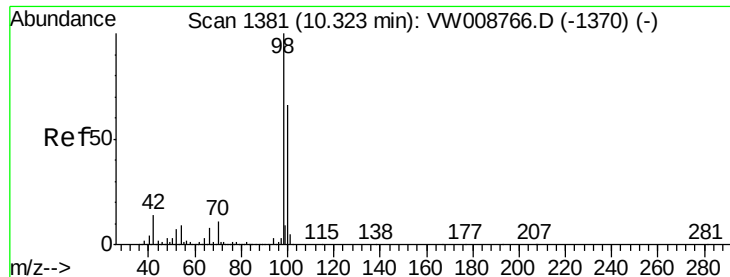
77 26.1 19.3 28.9



Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW





#50

Toluene-d8

Concen: 50.814 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008777.D

Acq: 21 Feb 2019 18:37

Instrument :

MSVOA_W

ClientSampleId :

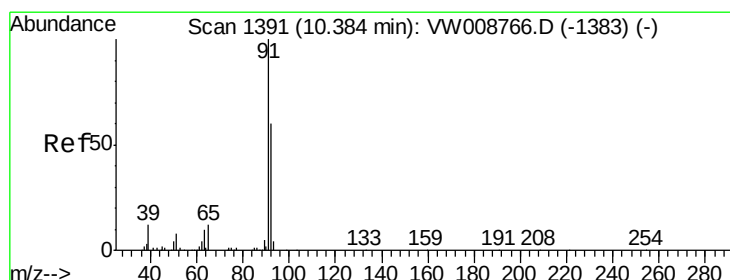
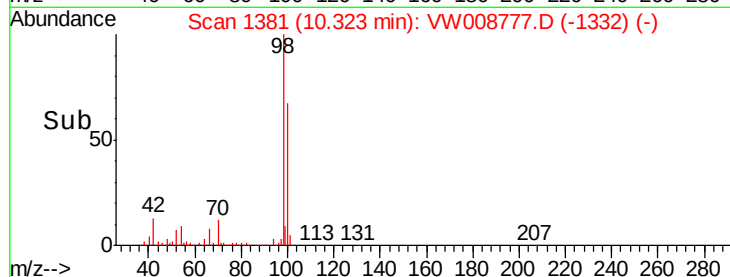
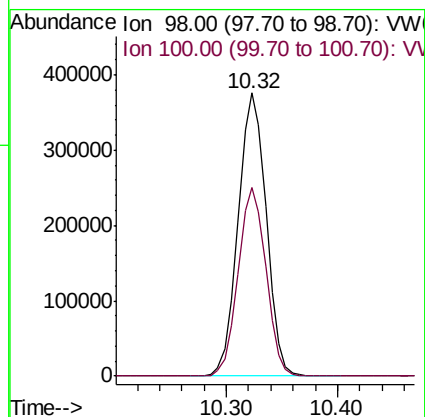
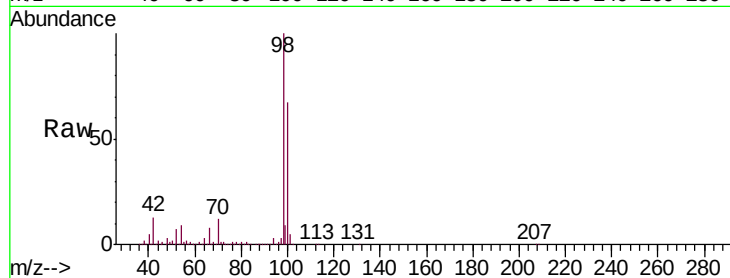
M-11-A-D

Tgt Ion: 98 Resp: 655202

Ion Ratio Lower Upper

98 100

100 65.9 52.4 78.6



#52

Toluene

Concen: 11.171 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW008777.D

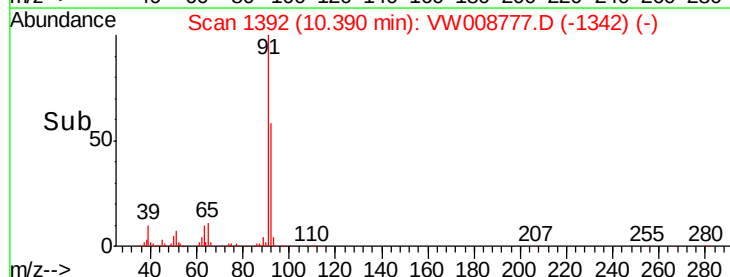
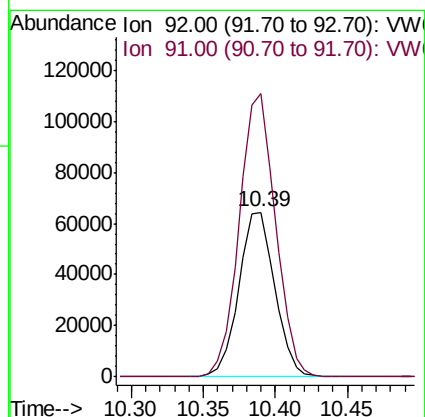
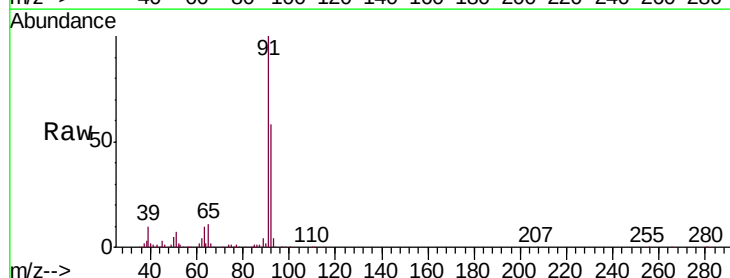
Acq: 21 Feb 2019 18:37

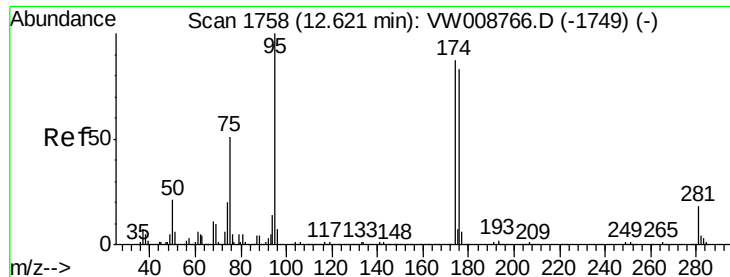
Tgt Ion: 92 Resp: 112099

Ion Ratio Lower Upper

92 100

91 172.2 136.9 205.3

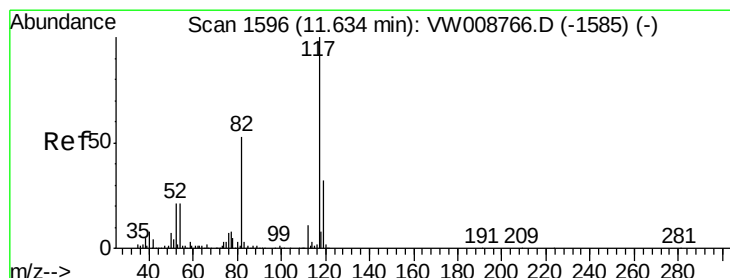
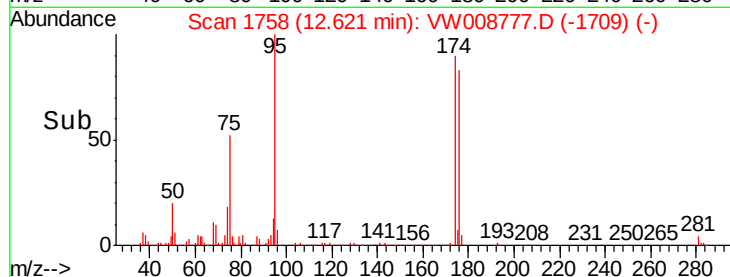
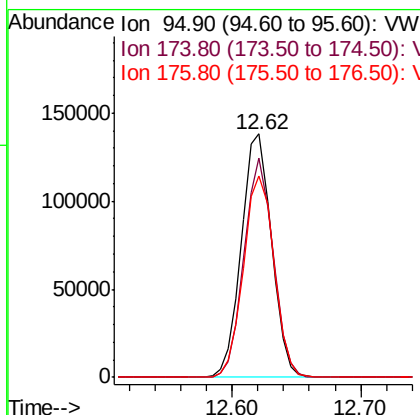
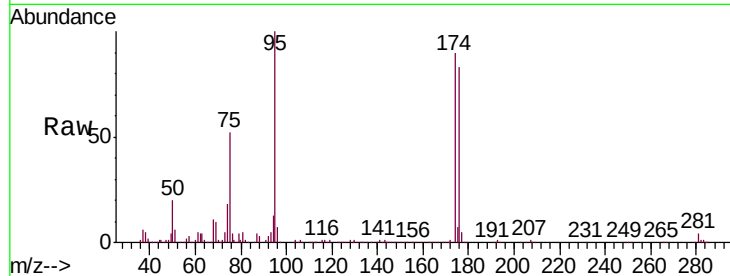




#62
4-Bromofluorobenzene
Concen: 44.288 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW008777.D
Acq: 21 Feb 2019 18:37

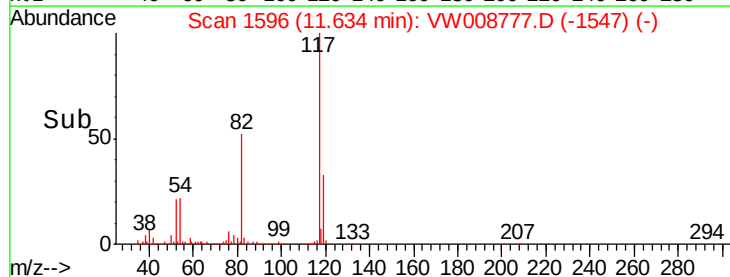
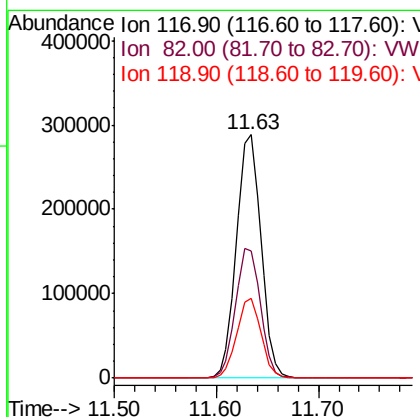
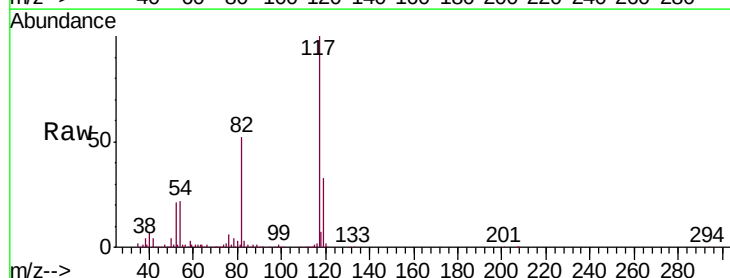
Instrument :
MSVOA_W
ClientSampleId :
M-11-A-D

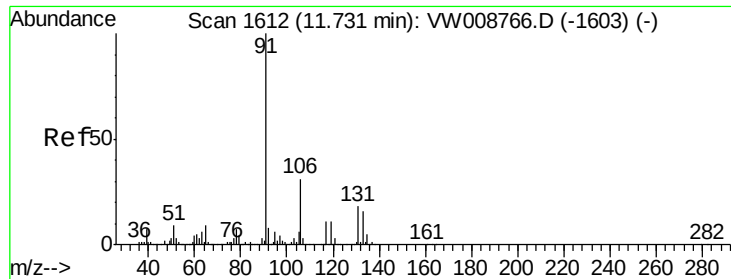
Tgt Ion: 95 Resp: 223594
Ion Ratio Lower Upper
95 100
174 86.8 0.0 169.2
176 83.9 0.0 163.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008777.D
Acq: 21 Feb 2019 18:37

Tgt Ion: 117 Resp: 482057
Ion Ratio Lower Upper
117 100
82 52.4 42.2 63.4
119 32.8 25.9 38.9

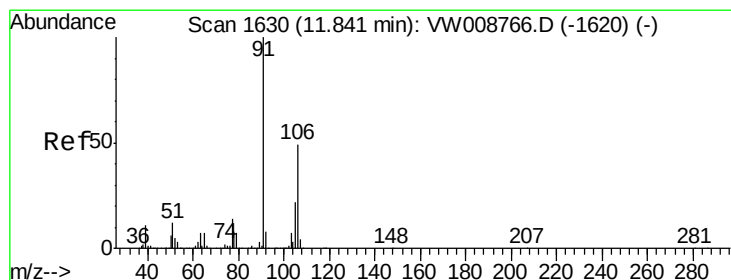
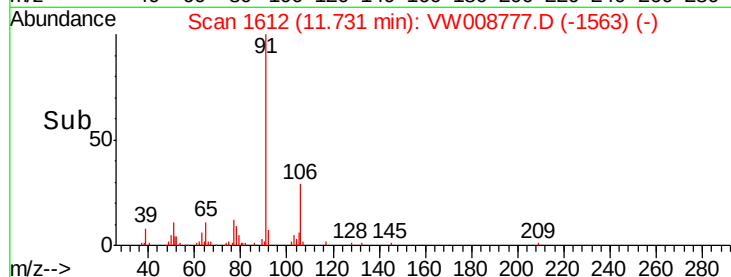
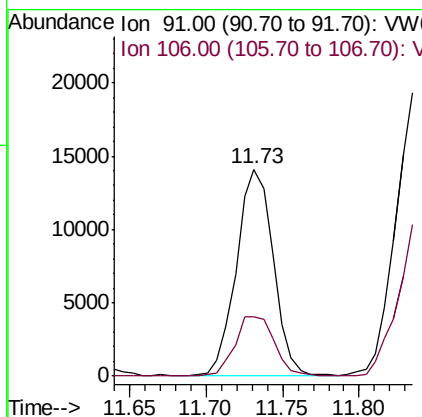
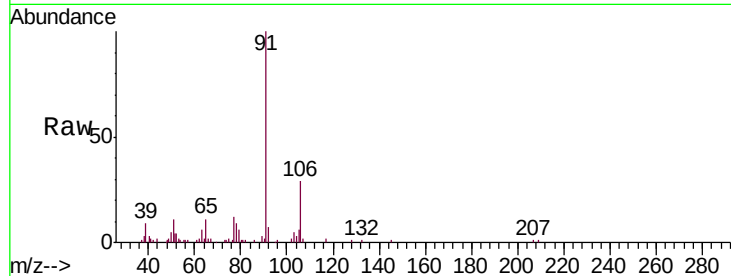




#67
Ethyl Benzene
Concen: 1.307 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008777.D
Acq: 21 Feb 2019 18:37

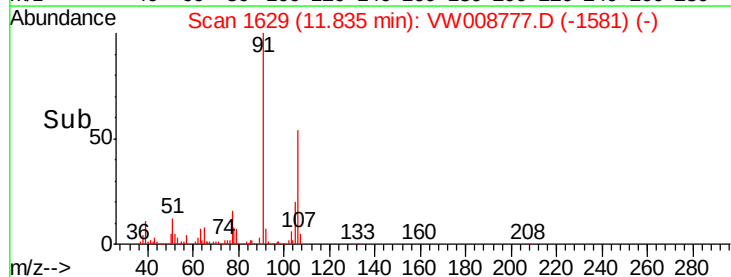
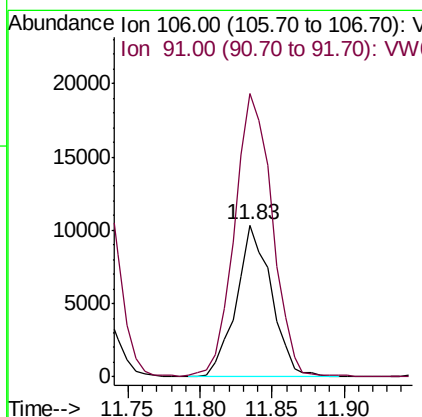
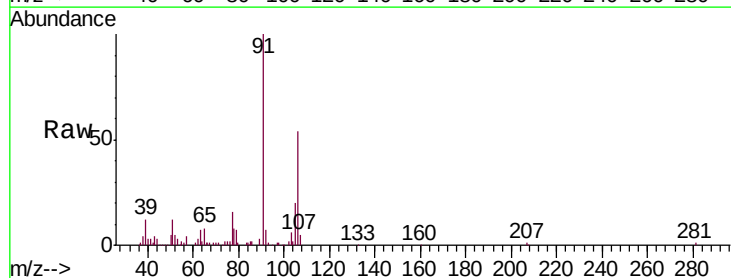
Instrument :
MSVOA_W
ClientSampleId :
M-11-A-D

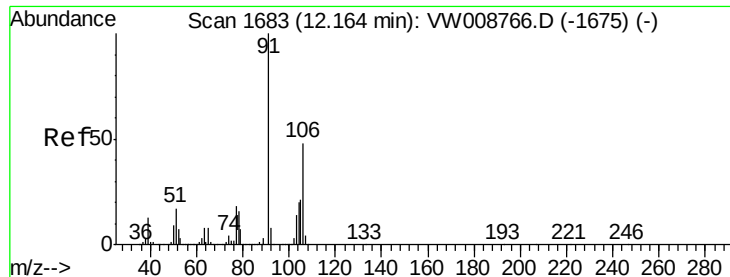
Tgt Ion: 91 Resp: 23679
Ion Ratio Lower Upper
91 100
106 28.7 25.0 37.6



#68
m/p-Xylenes
Concen: 2.425 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW008777.D
Acq: 21 Feb 2019 18:37

Tgt Ion: 106 Resp: 17557
Ion Ratio Lower Upper
106 100
91 201.4 161.5 242.3

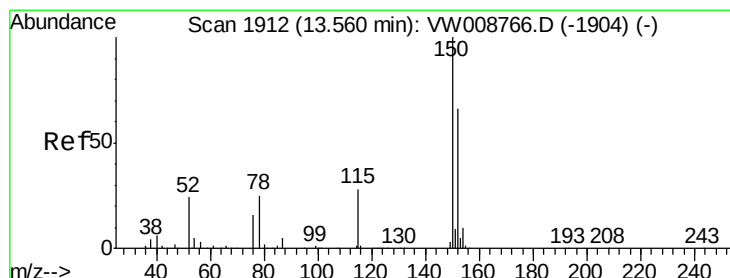
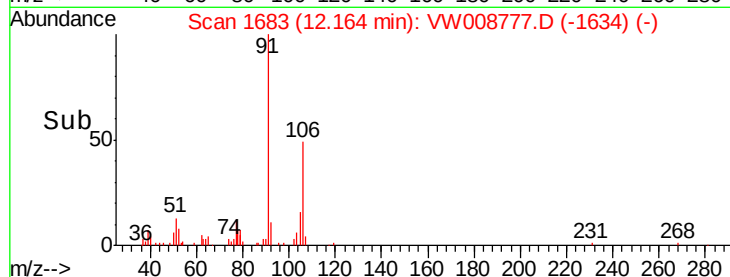
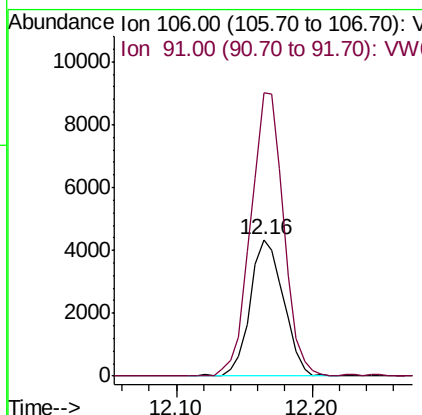
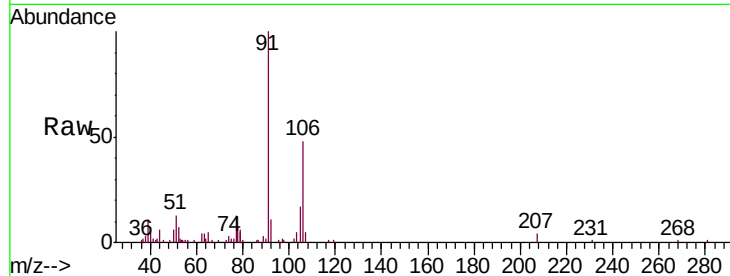




#69
o-Xylene
Concen: 1.092 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW008777.D
Acq: 21 Feb 2019 18:37

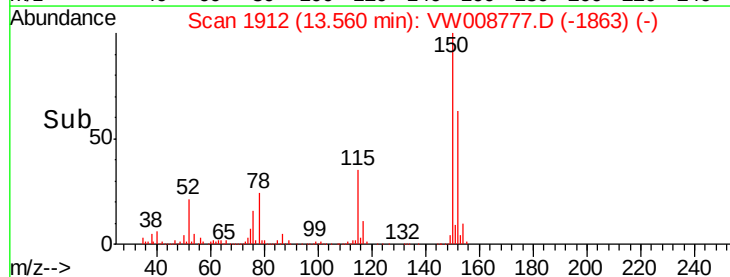
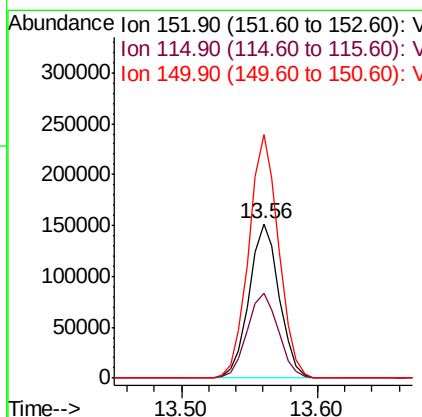
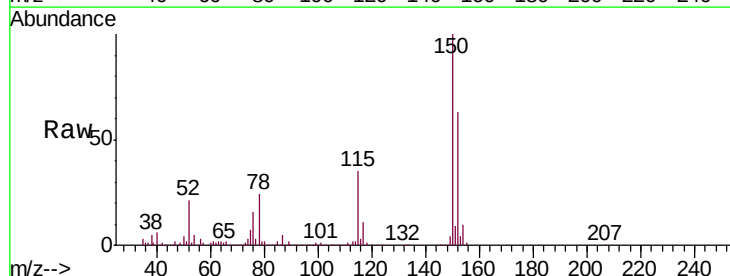
Instrument :
MSVOA_W
ClientSampled :
M-11-A-D

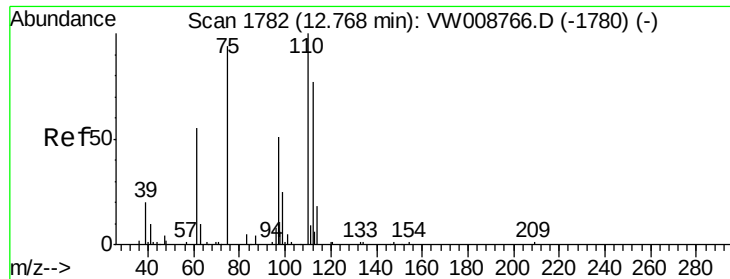
Tgt Ion:106 Resp: 7423
Ion Ratio Lower Upper
106 100
91 206.3 106.2 318.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008777.D
Acq: 21 Feb 2019 18:37

Tgt Ion:152 Resp: 235443
Ion Ratio Lower Upper
152 100
115 56.9 28.6 85.8
150 156.9 0.0 348.0





#76

1,2,3-Trichloropropane

Concen: 59.868 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008777.D

Acq: 21 Feb 2019 18:37

Instrument :

MSVOA_W

ClientSampleId :

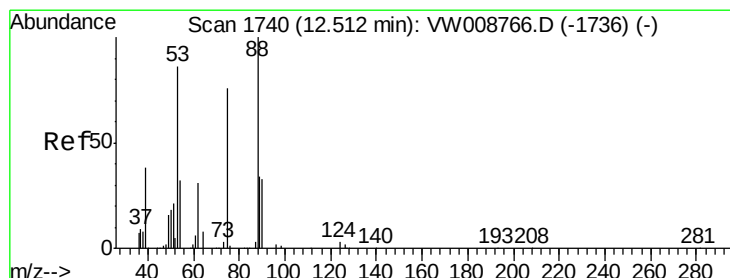
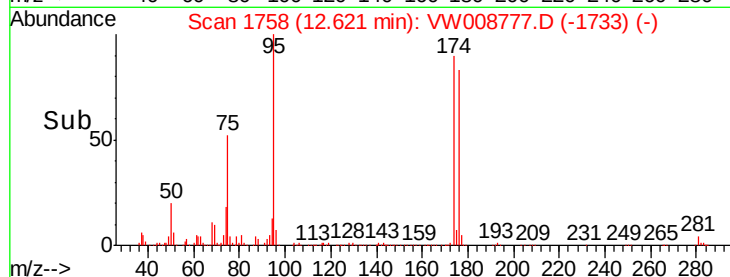
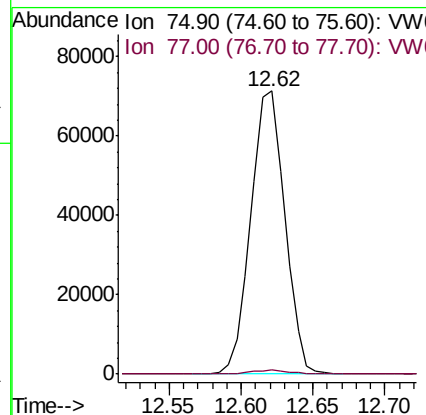
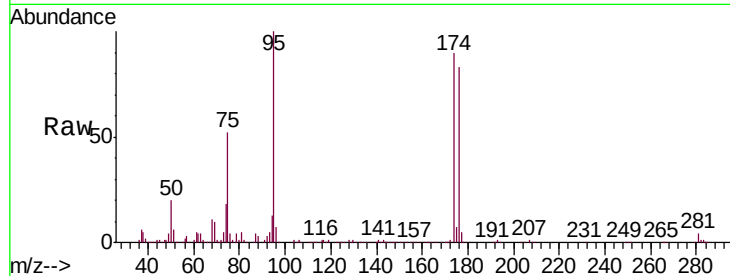
M-11-A-D

Tgt Ion: 75 Resp: 116377

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 145.544 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008777.D

Acq: 21 Feb 2019 18:37

Tgt Ion: 75 Resp: 116377

Ion Ratio Lower Upper

75 100

53 0.0 88.2 132.2#

89 0.0 39.5 59.3#

