

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022719\
 Data File : VW008854.D
 Acq On : 27 Feb 2019 15:01
 Operator : SY/VA
 Sample : K1627-07RE
 Misc : 5.86G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Feb 28 07:02:25 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	362663	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	547551	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	455550	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	169349	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	198927	58.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.96%	
35) Dibromofluoromethane	7.88	113	175269	53.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.62%	
50) Toluene-d8	10.32	98	643663	50.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.44%	
62) 4-Bromofluorobenzene	12.62	95	190157	38.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.54%	

Target Compounds

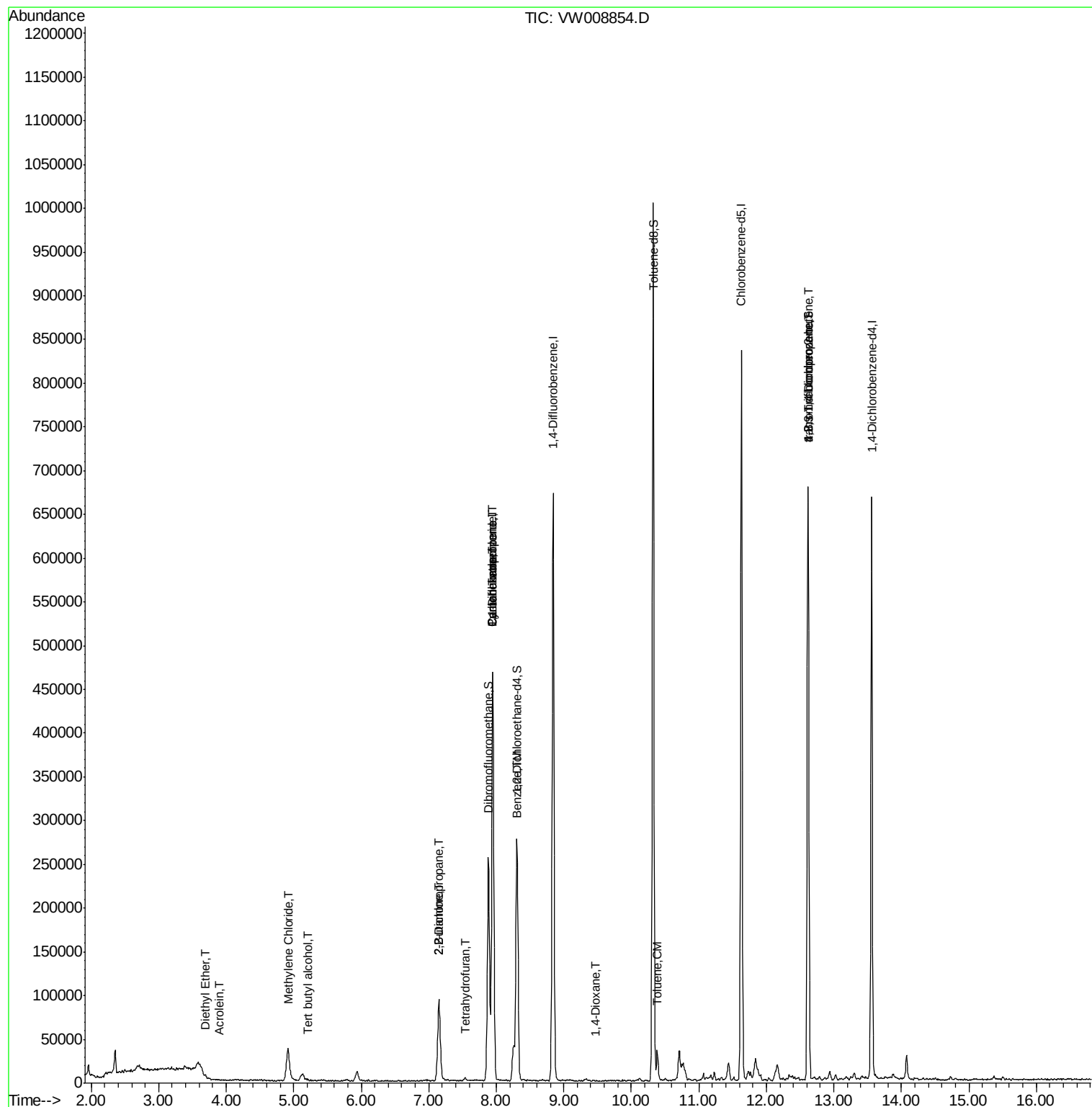
						Qvalue
8) Diethyl Ether	3.70	74	2068	1.103	ug/l	65
11) Tert butyl alcohol	5.20	59	1426	4.709	ug/l	95
13) Acrolein	3.90	56	154	20.224	ug/l #	23
20) Methylene Chloride	4.92	84	28333	2.435	ug/l #	83
25) 2-Butanone	7.15	43	4847	4.397	ug/l	92
26) 2,2-Dichloropropane	7.15	77	6162	1.071	ug/l #	55
29) Tetrahydrofuran	7.53	42	2533	3.606	ug/l	92
31) Cyclohexane	7.95	56	8406	1.311	ug/l #	34
36) 1,1-Dichloropropene	7.95	75	27581	5.175	ug/l #	50
38) Carbon Tetrachloride	7.95	117	34841	6.198	ug/l #	15
40) Benzene	8.32	78	16014	1.100	ug/l	96
49) 1,4-Dioxane	9.46	88	53	1.655	ug/l #	1
52) Toluene	10.39	92	14173	1.435	ug/l	96
76) 1,2,3-Trichloropropane	12.62	75	101010	72.243	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	101010	175.628	ug/l #	6

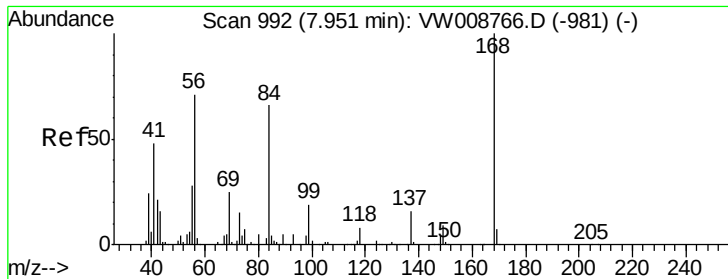
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008854.D

Acq: 27 Feb 2019 15:01

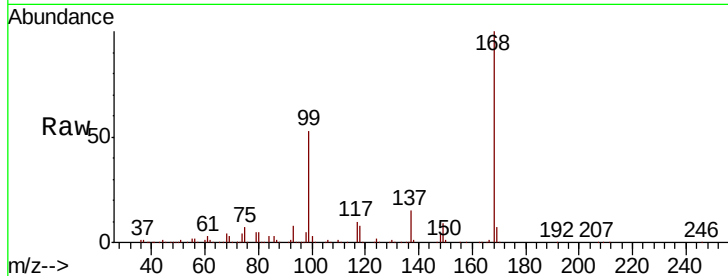
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 362663

Ion Ratio Lower Upper

168 100

99 53.3 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

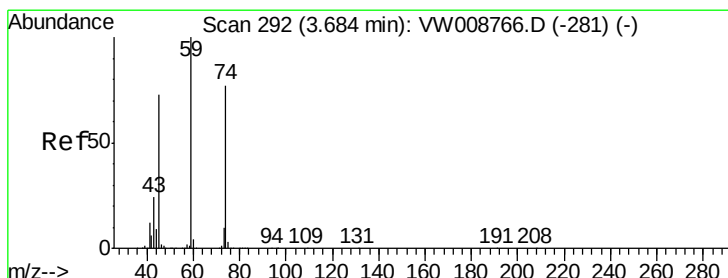
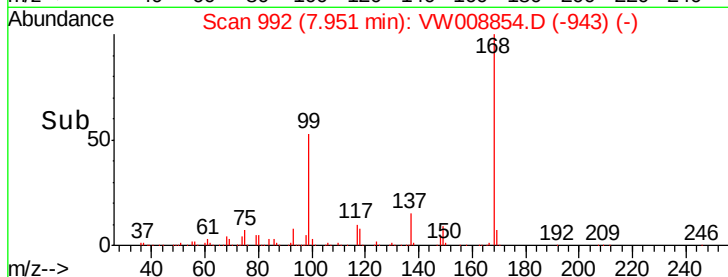
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.103 ug/l

RT: 3.70 min Scan# 294

Delta R.T. 0.01 min

Lab File: VW008854.D

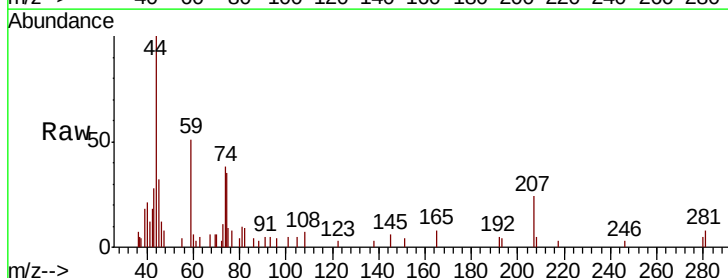
Acq: 27 Feb 2019 15:01

Tgt Ion: 74 Resp: 2068

Ion Ratio Lower Upper

74 100

45 65.6 50.2 150.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

4000

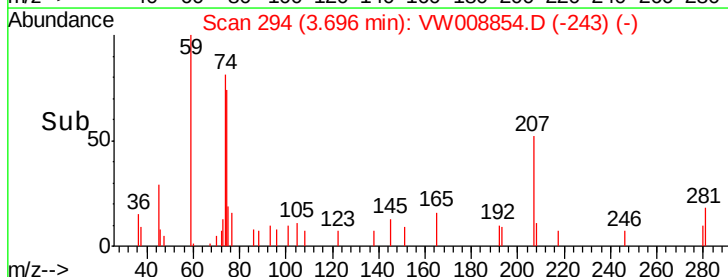
3000

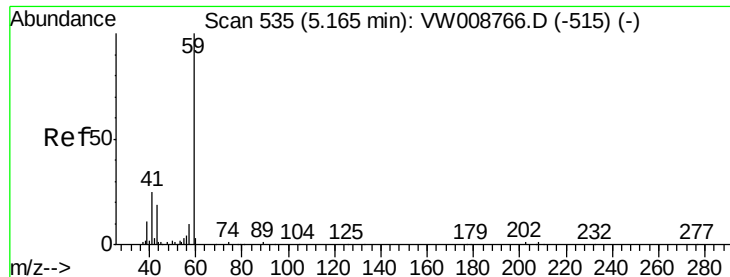
2000

1000

0

Time-->

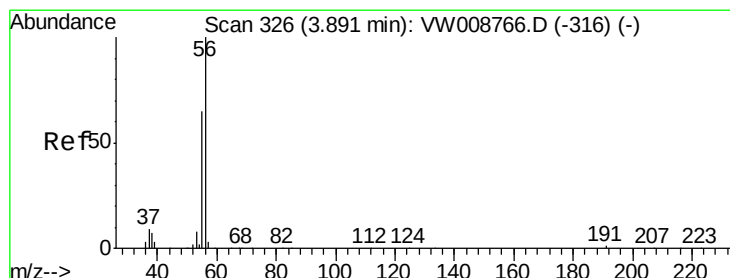
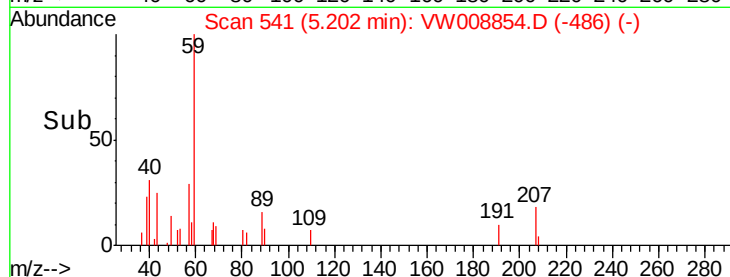
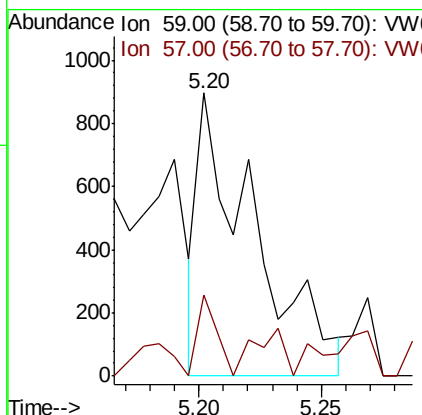
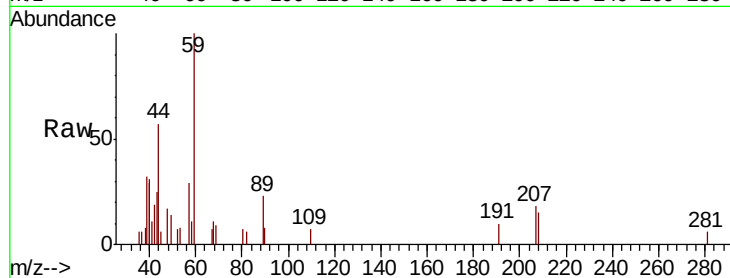




#11
Tert butyl alcohol
Concen: 4.709 ug/l
RT: 5.20 min Scan# 541
Delta R.T. 0.04 min
Lab File: VW008854.D
Acq: 27 Feb 2019 15:01

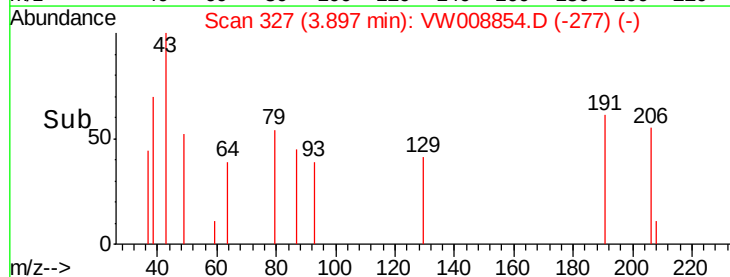
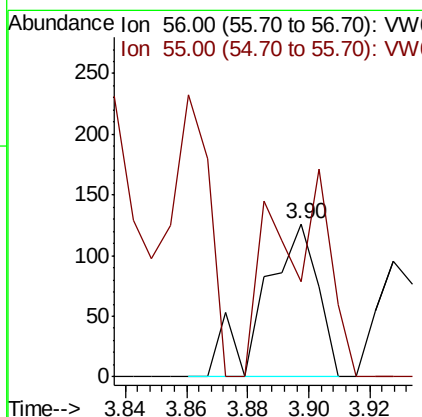
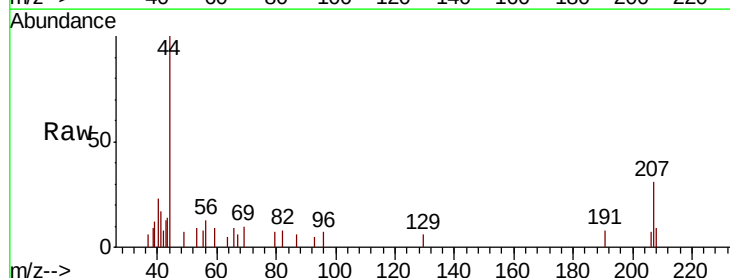
Instrument :
MSVOA_W
ClientSampled :

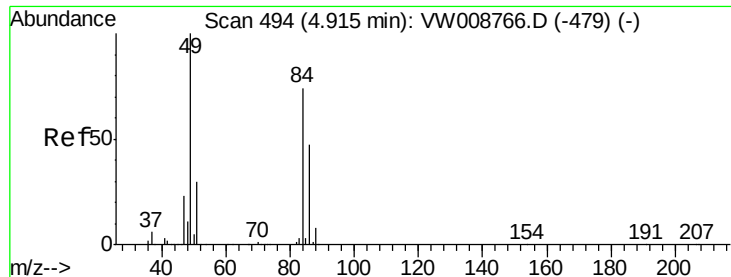
Tot Ion: 59 Resp: 1426
Ion Ratio Lower Upper
59 100
57 9.7 9.3 13.9



#13
Acrolein
Concen: 20.224 ug/l
RT: 3.90 min Scan# 327
Delta R.T. 0.01 min
Lab File: VW008854.D
Acq: 27 Feb 2019 15:01

Tgt Ion: 56 Resp: 154
Ion Ratio Lower Upper
56 100
55 134.4 56.9 85.3#





#20

Methylene Chloride

Concen: 2.435 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW008854.D

Acq: 27 Feb 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 84 Resp: 28333

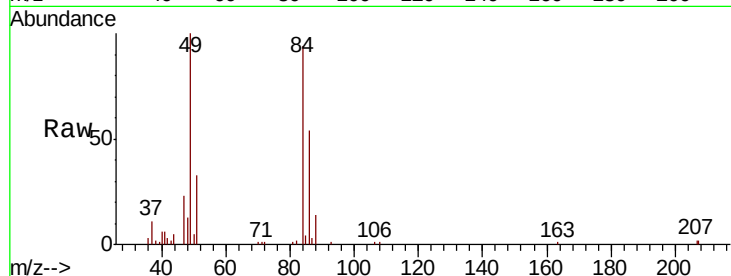
Ion Ratio Lower Upper

84 100

49 106.9 108.2 162.2#

51 34.7 32.7 49.1

86 57.9 50.3 75.5

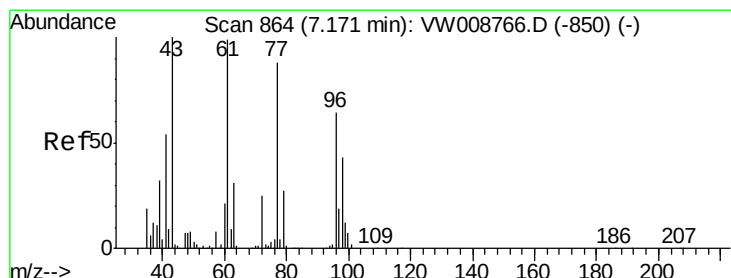
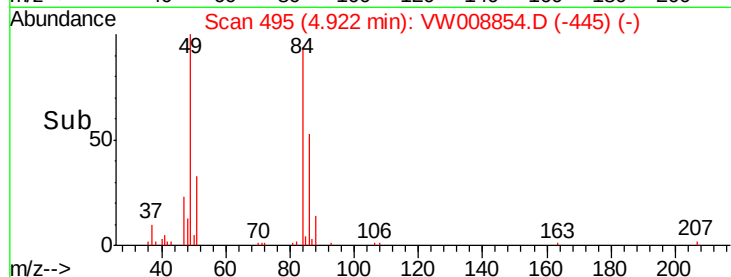
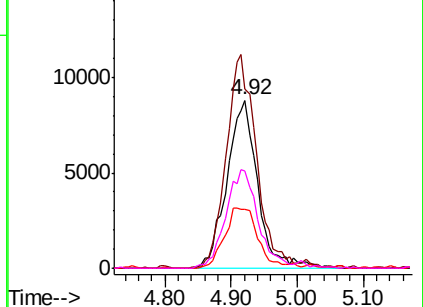


Abundance Ion 83.90 (83.60 to 84.60): VW

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: 4.397 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.02 min

Lab File: VW008854.D

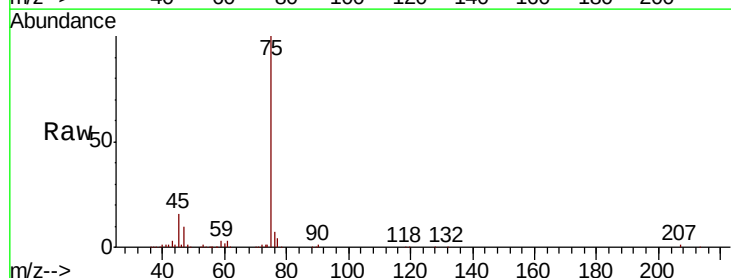
Acq: 27 Feb 2019 15:01

Tgt Ion: 43 Resp: 4847

Ion Ratio Lower Upper

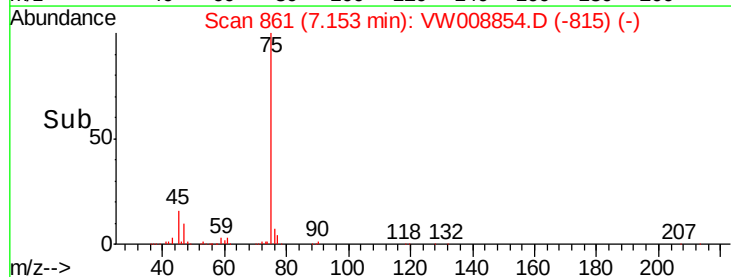
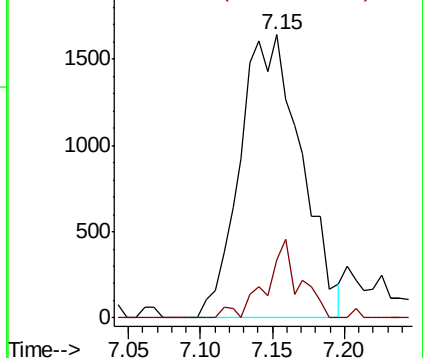
43 100

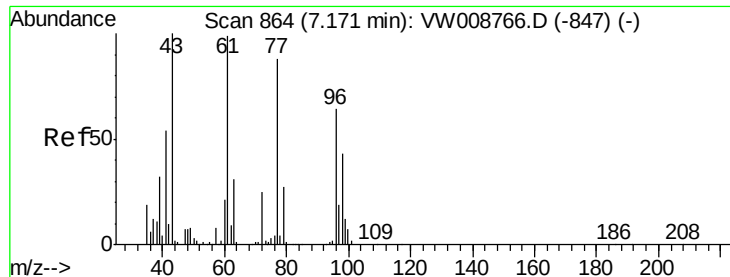
72 20.6 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

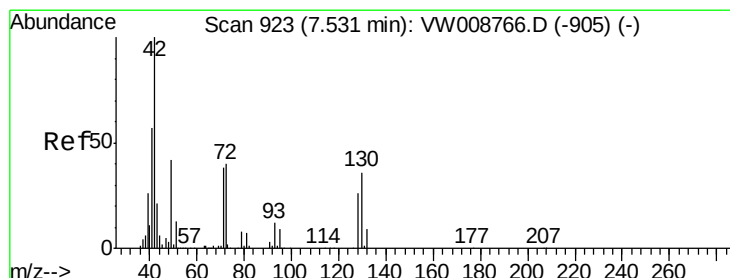
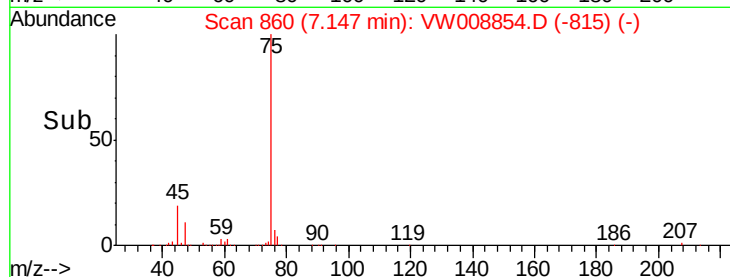
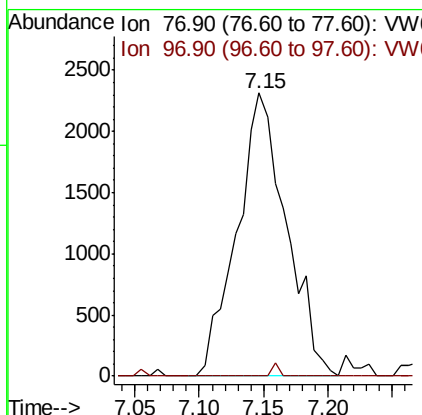
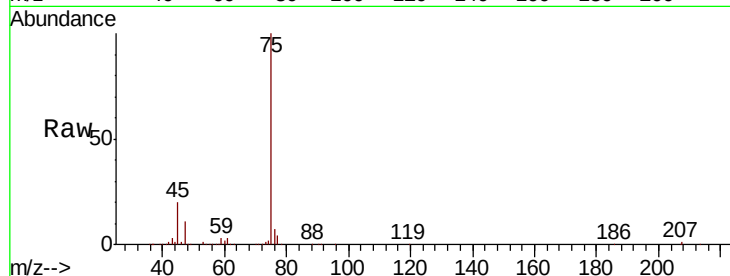




#26
 2,2-Dichloropropane
 Concen: 1.071 ug/l
 RT: 7.15 min Scan# 860
 Delta R.T. -0.02 min
 Lab File: VW008854.D
 Acq: 27 Feb 2019 15:01

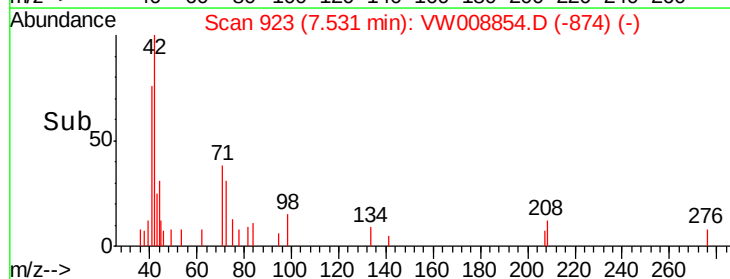
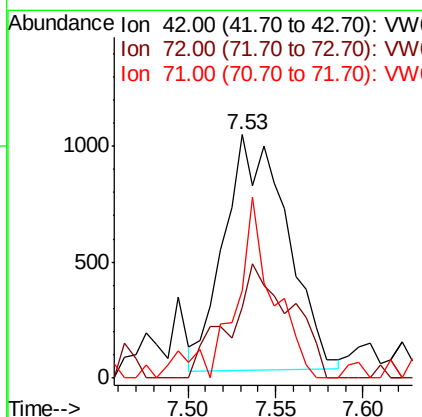
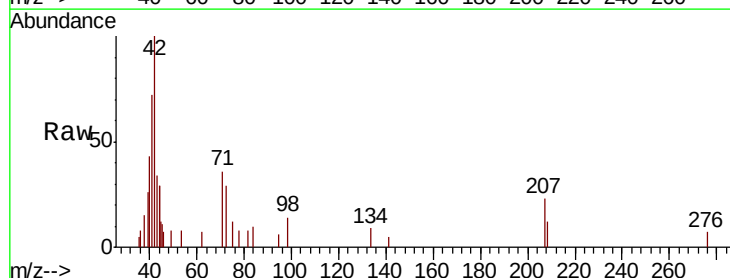
Instrument :
 MSVOA_W
 ClientSampled :

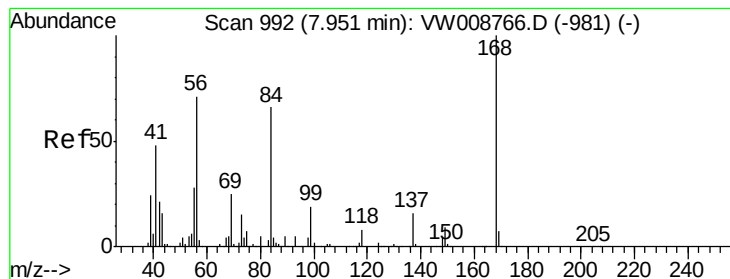
Tot Ion: 77 Resp: 6162
 Ion Ratio Lower Upper
 77 100
 97 0.7 11.0 33.0#



#29
 Tetrahydrofuran
 Concen: 3.606 ug/l
 RT: 7.53 min Scan# 923
 Delta R.T. 0.00 min
 Lab File: VW008854.D
 Acq: 27 Feb 2019 15:01

Tgt Ion: 42 Resp: 2533
 Ion Ratio Lower Upper
 42 100
 72 47.9 32.7 49.1
 71 42.2 31.3 46.9





#31

Cyclohexane

Concen: 1.311 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008854.D

Acq: 27 Feb 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

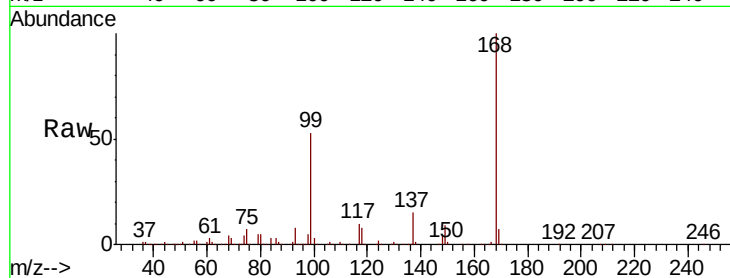
Tot Ion: 56 Resp: 8406

Ion Ratio Lower Upper

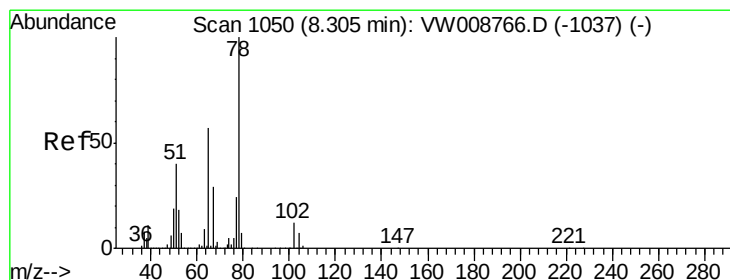
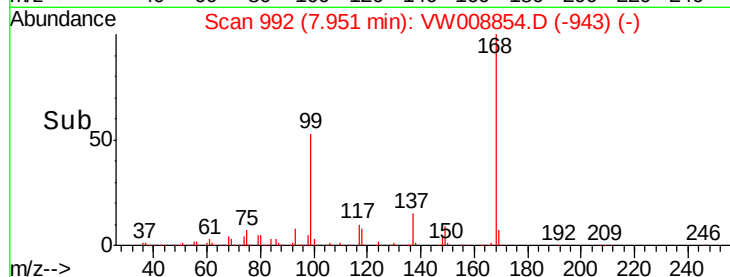
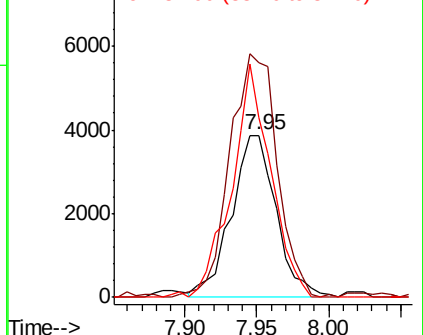
56 100

69 144.7 28.2 42.4#

84 111.2 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: 58.483 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008854.D

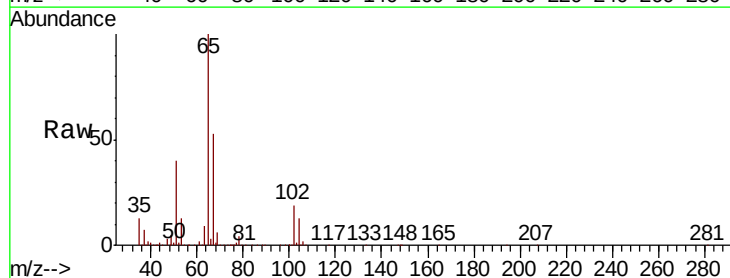
Acq: 27 Feb 2019 15:01

Tgt Ion: 65 Resp: 198927

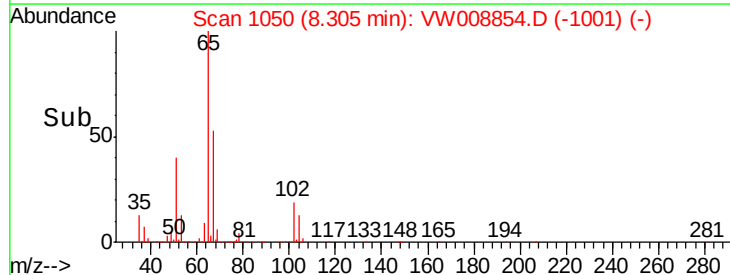
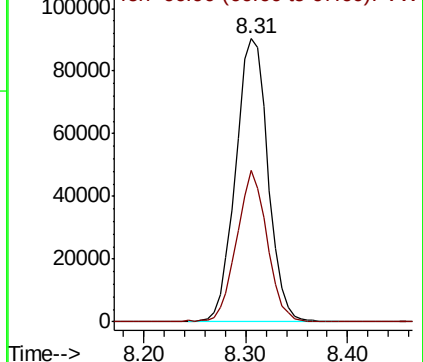
Ion Ratio Lower Upper

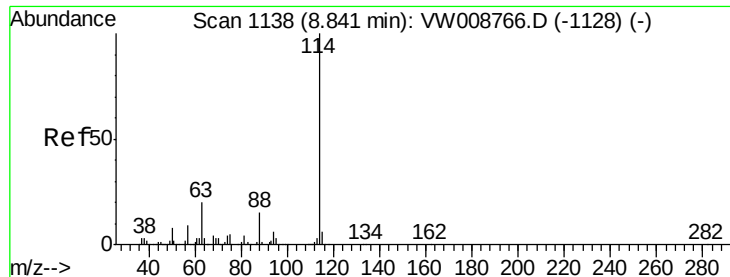
65 100

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: VW008854.D

Acq: 27 Feb 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

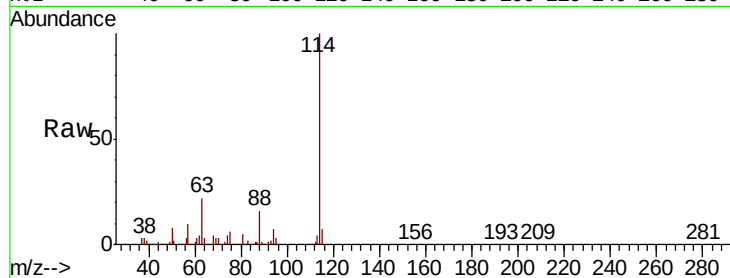
Tot Ion:114 Resp: 547551

Ion Ratio Lower Upper

114 100

63 21.7 0.0 40.8

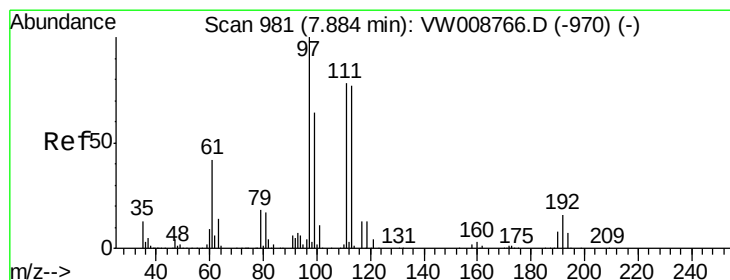
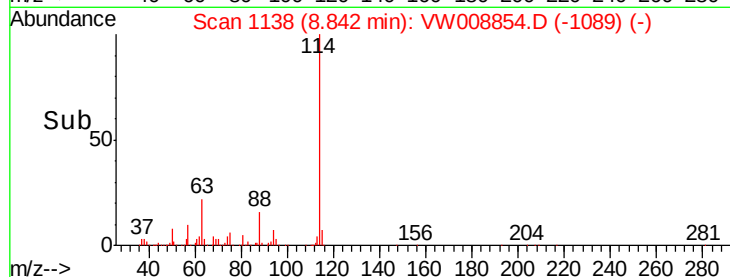
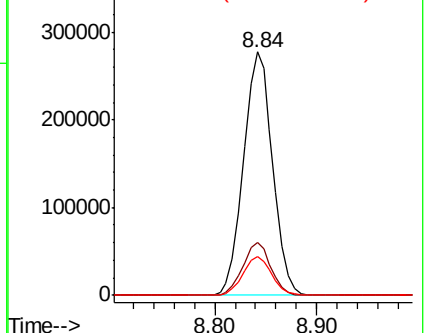
88 15.8 0.0 30.4



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: 53.313 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008854.D

Acq: 27 Feb 2019 15:01

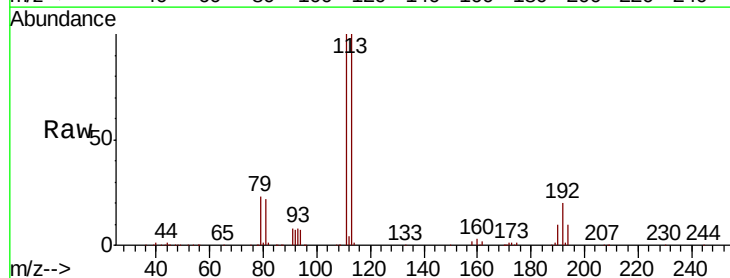
Tgt Ion:113 Resp: 175269

Ion Ratio Lower Upper

113 100

111 100.9 81.9 122.9

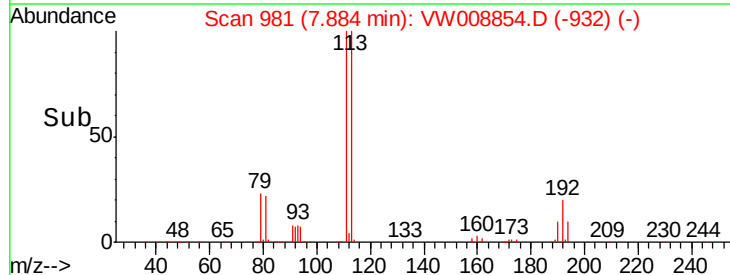
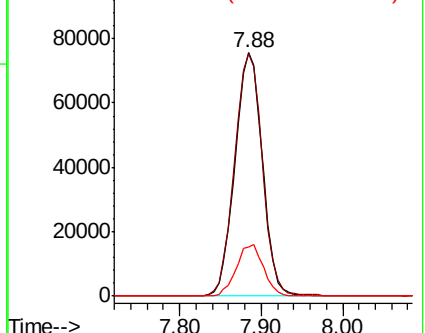
192 21.0 17.1 25.7

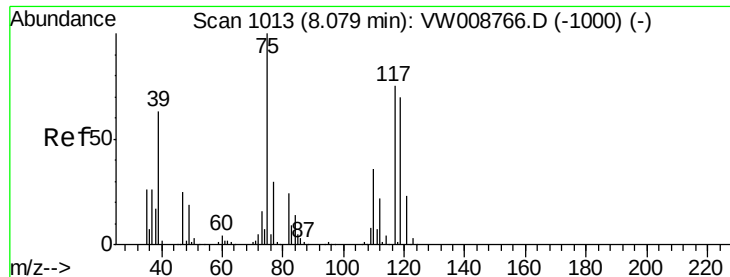


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

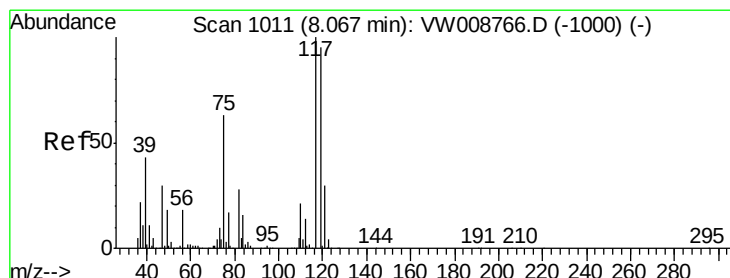
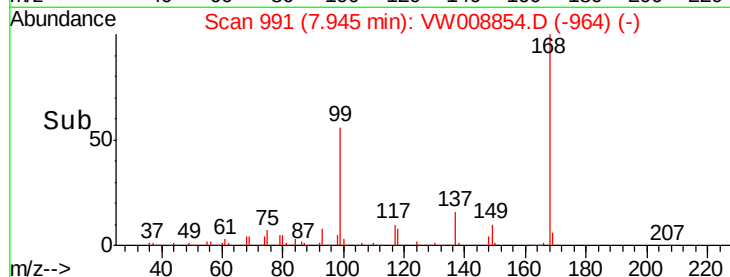
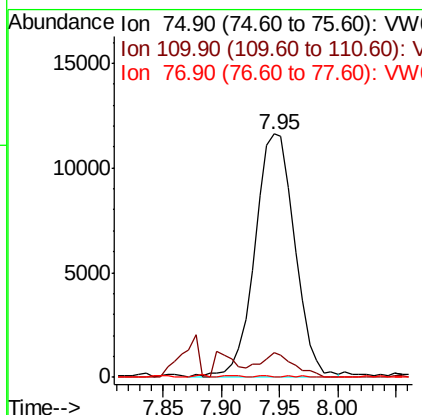
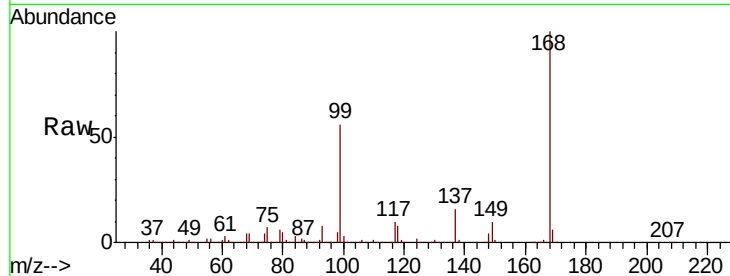




#36
 1,1-Dichloropropene
 Concen: 5.175 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008854.D
 Acq: 27 Feb 2019 15:01

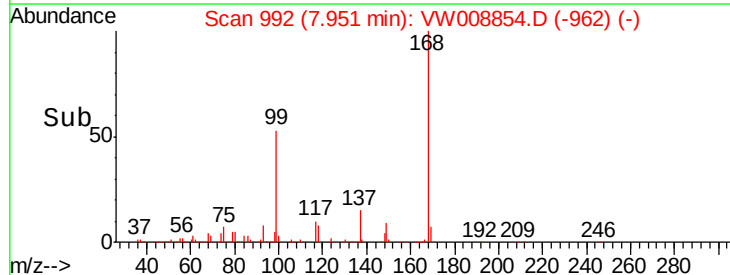
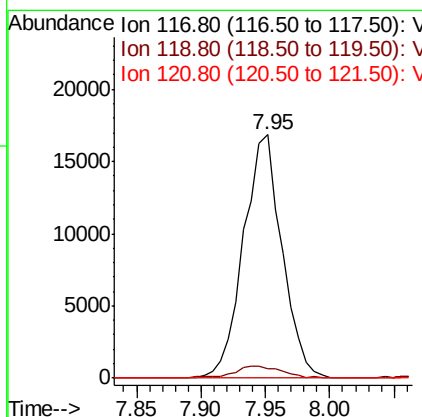
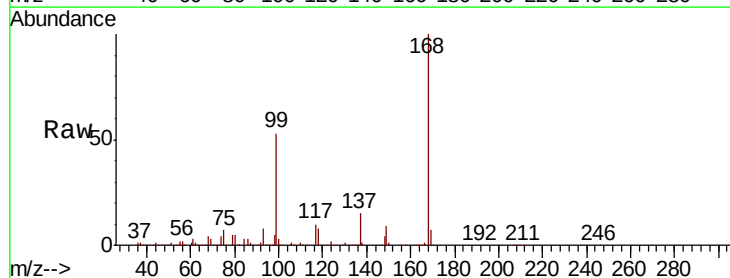
Instrument :
 MSVOA_W
 ClientSampleId :

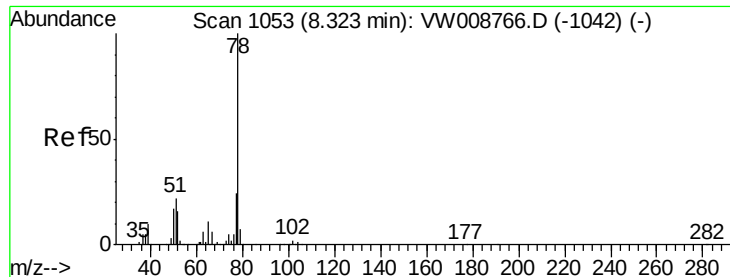
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.7	17.5	52.6#
77	0.0	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 6.198 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW008854.D
 Acq: 27 Feb 2019 15:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.8	76.1	114.1#
121	0.0	24.0	36.0#





#40

Benzene

Concen: 1.100 ug/l

RT: 8.32 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VW008854.D

Acq: 27 Feb 2019 15:01

Instrument :

MSVOA_W

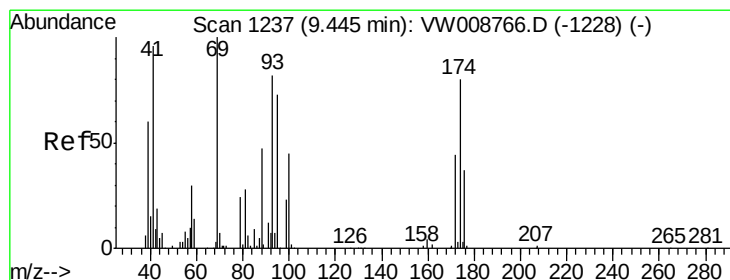
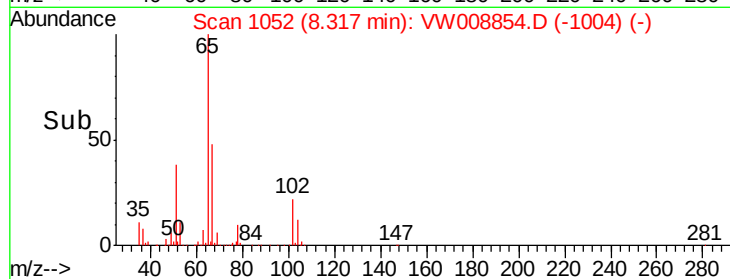
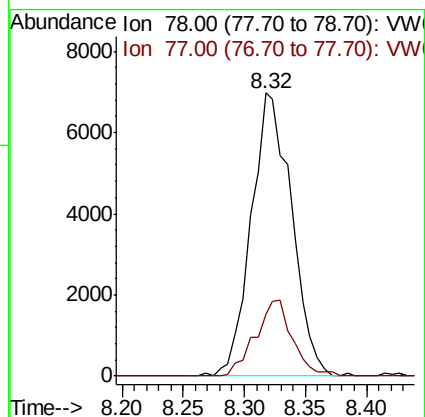
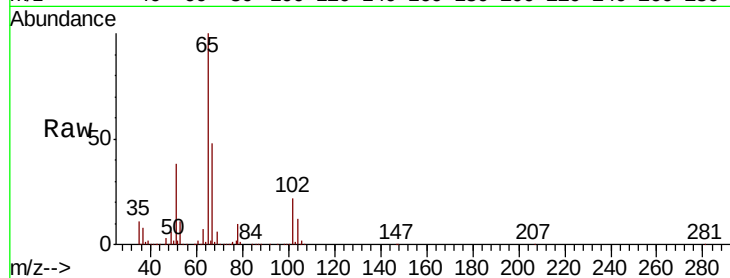
ClientSampleId :

Tot Ion: 78 Resp: 16014

Ion Ratio Lower Upper

78 100

77 21.9 19.3 28.9



#49

1,4-Dioxane

Concen: 1.655 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.02 min

Lab File: VW008854.D

Acq: 27 Feb 2019 15:01

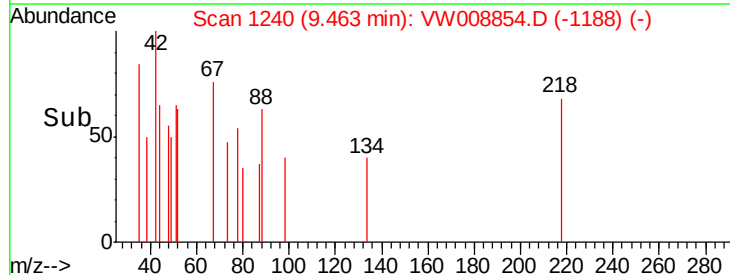
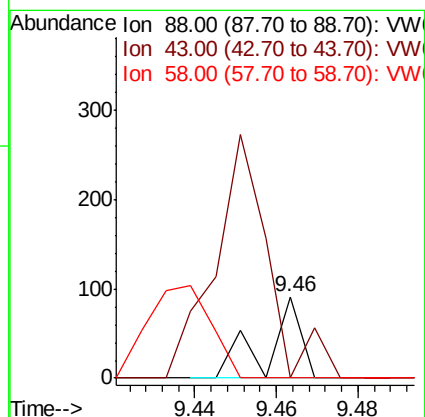
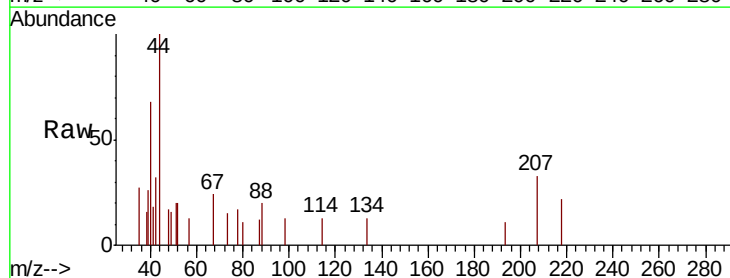
Tgt Ion: 88 Resp: 53

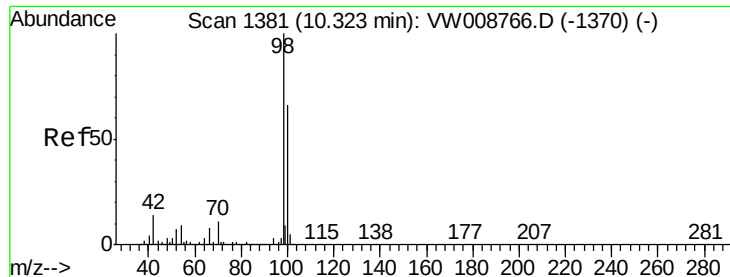
Ion Ratio Lower Upper

88 100

43 466.0 29.0 43.4#

58 0.0 52.0 78.0#





#50

Toluene-d8

Concen: 50.718 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008854.D

Acq: 27 Feb 2019 15:01

Instrument :

MSVOA_W

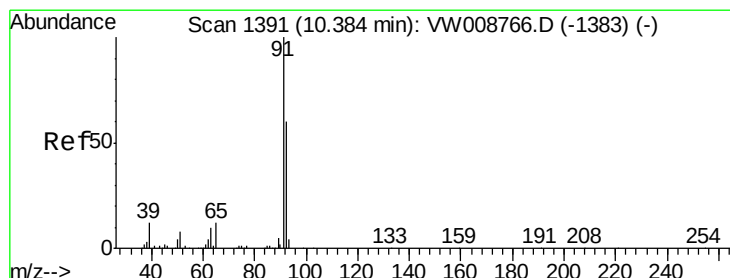
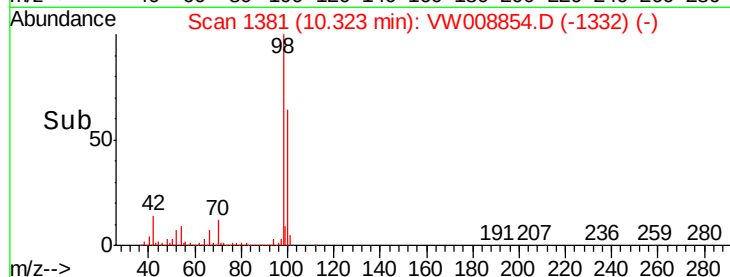
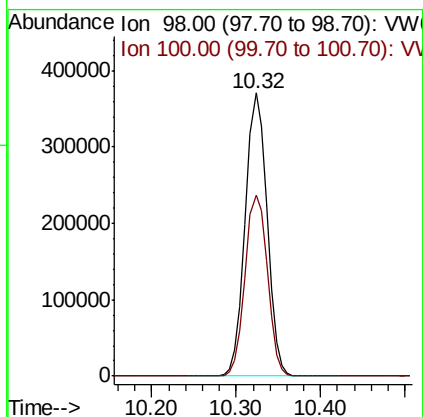
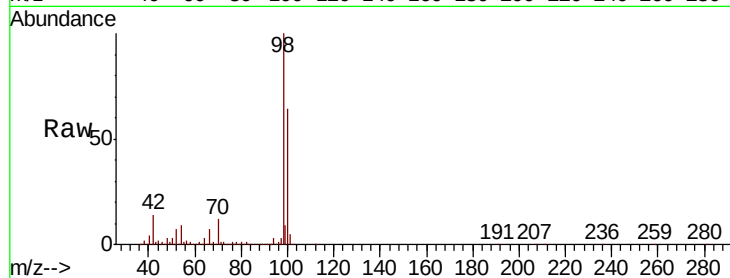
ClientSampleId :

Tot Ion: 98 Resp: 643663

Ion Ratio Lower Upper

98 100

100 65.6 52.4 78.6



#52

Toluene

Concen: 1.435 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW008854.D

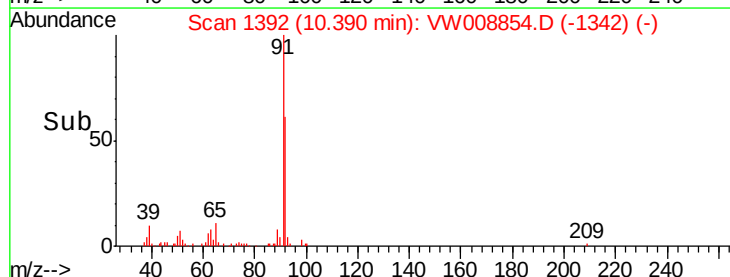
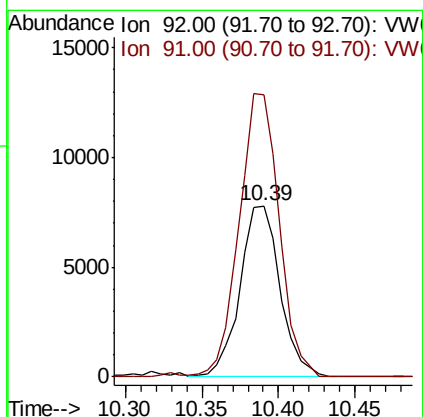
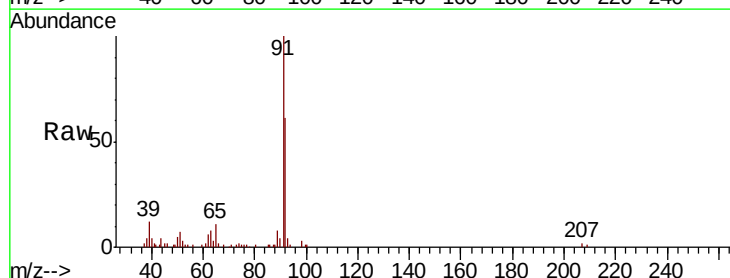
Acq: 27 Feb 2019 15:01

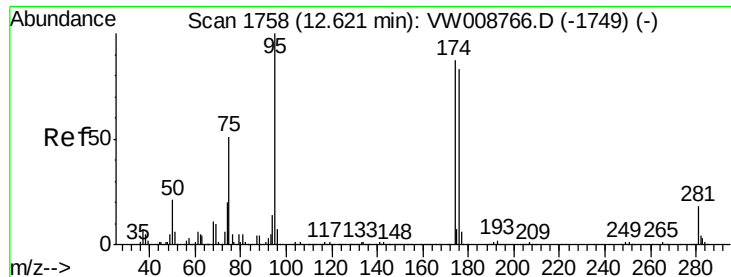
Tgt Ion: 92 Resp: 14173

Ion Ratio Lower Upper

92 100

91 165.6 136.9 205.3

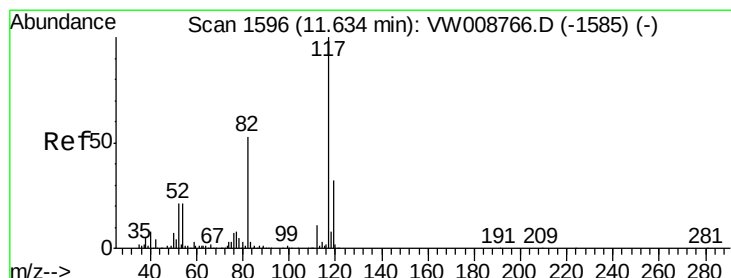
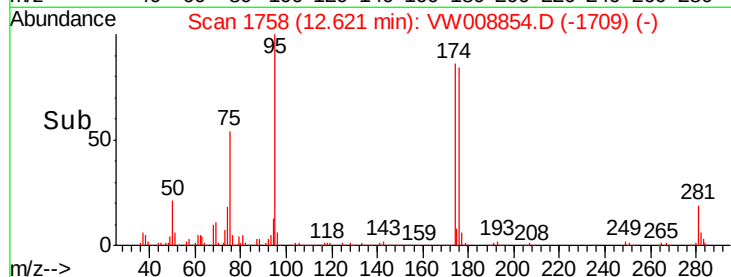
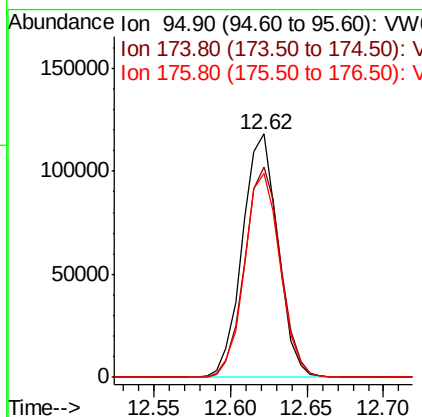
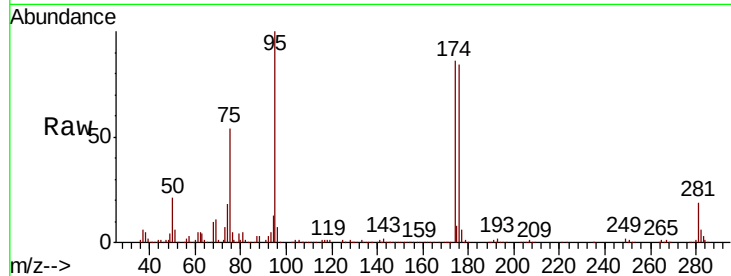




#62
4-Bromofluorobenzene
Concen: 38.268 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW008854.D
Acq: 27 Feb 2019 15:01

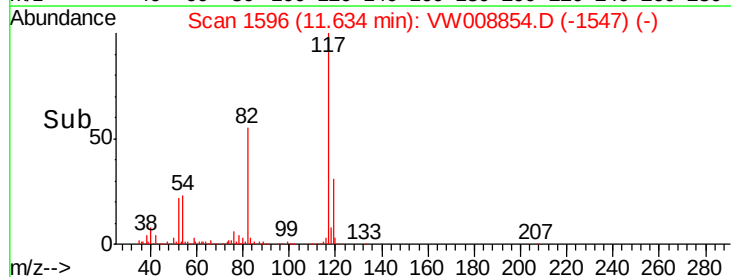
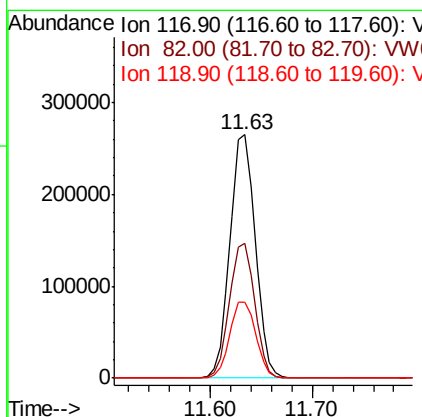
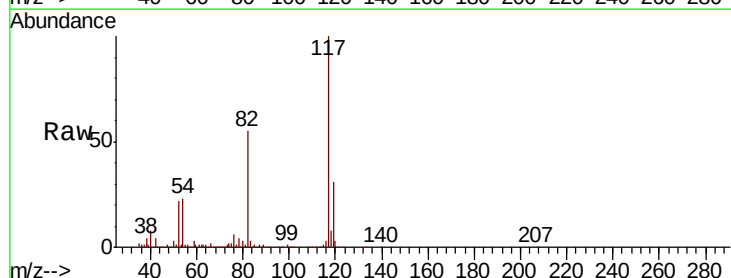
Instrument :
MSVOA_W
ClientSampleId :

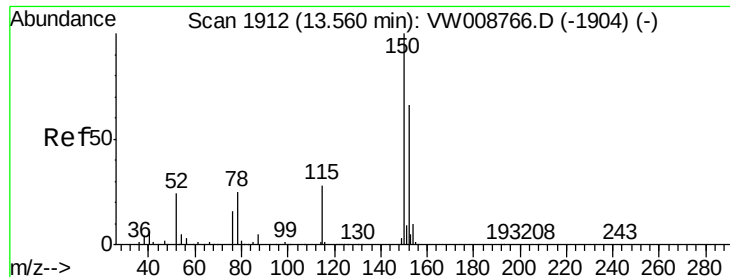
Tot Ion	Ratio	Lower	Upper
95	100		
174	87.7	0.0	169.2
176	84.4	0.0	163.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008854.D
Acq: 27 Feb 2019 15:01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.2	42.2	63.4
119	31.3	25.9	38.9

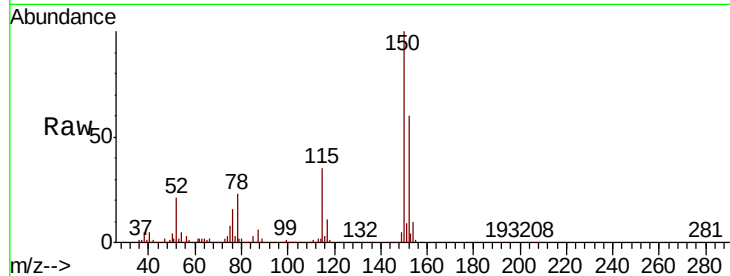




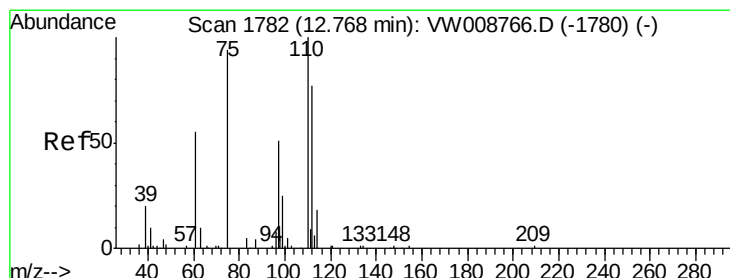
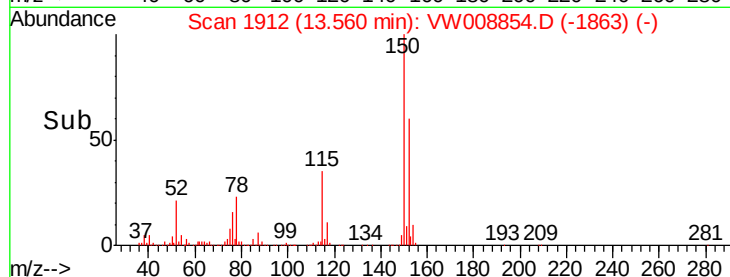
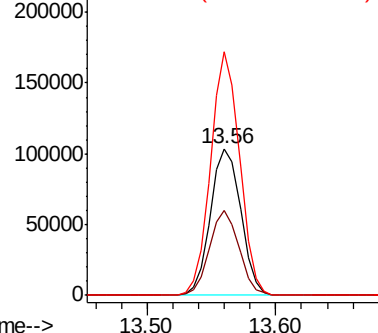
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. 0.00 min
 Lab File: VW008854.D
 Acq: 27 Feb 2019 15:01

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:152 Resp: 169349
 Ion Ratio Lower Upper
 152 100
 115 56.4 28.6 85.8
 150 158.0 0.0 348.0

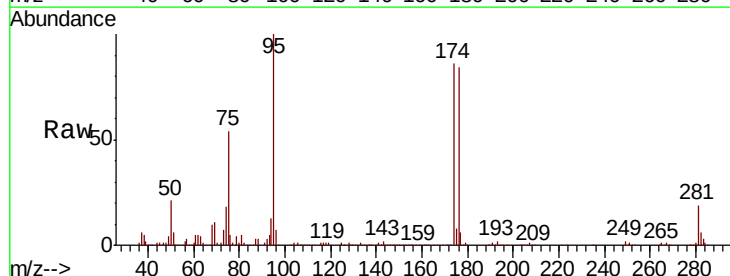


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

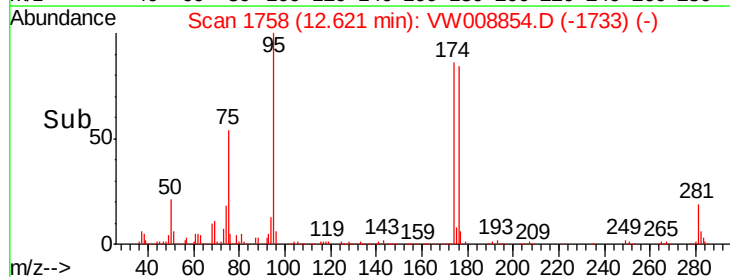
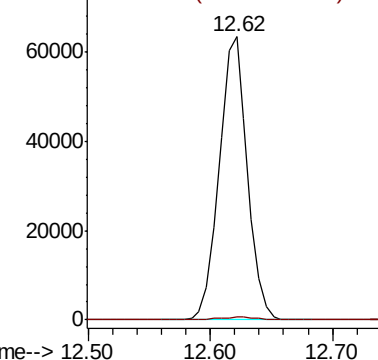


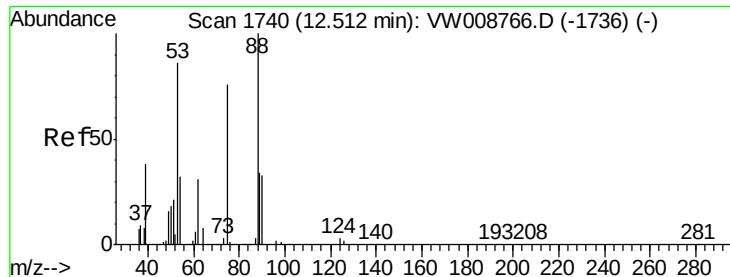
#76
 1,2,3-Trichloropropane
 Concen: 72.243 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW008854.D
 Acq: 27 Feb 2019 15:01

Tgt Ion: 75 Resp: 101010
 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





#81

trans-1,4-Dichloro-2-butene

Concen: 175.628 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008854.D

Acq: 27 Feb 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

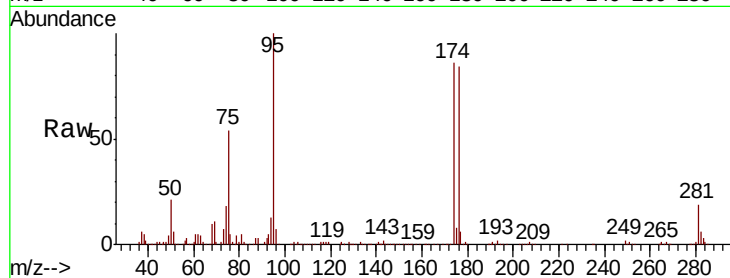
Tot Ion: 75 Resp: 101010

Ion Ratio Lower Upper

75 100

53 0.2 88.2 132.2#

89 0.5 39.5 59.3#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

