

Data File : VW008941.D
Acq On : 02 Mar 2019 01:32
Operator : SY/VA
Sample : K1675-33
Misc : 5.30G/5ML/MSVOA_W/SOIL
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
Z-3-13-B

Quant Time: Mar 02 05:11:33 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	322000	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	497875	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	441071	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	206424	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	177644	58.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.64%	
35) Dibromofluoromethane	7.88	113	147608	49.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.76%	
50) Toluene-d8	10.32	98	585512	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	
62) 4-Bromofluorobenzene	12.62	95	198226	43.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.74%	

Target Compounds

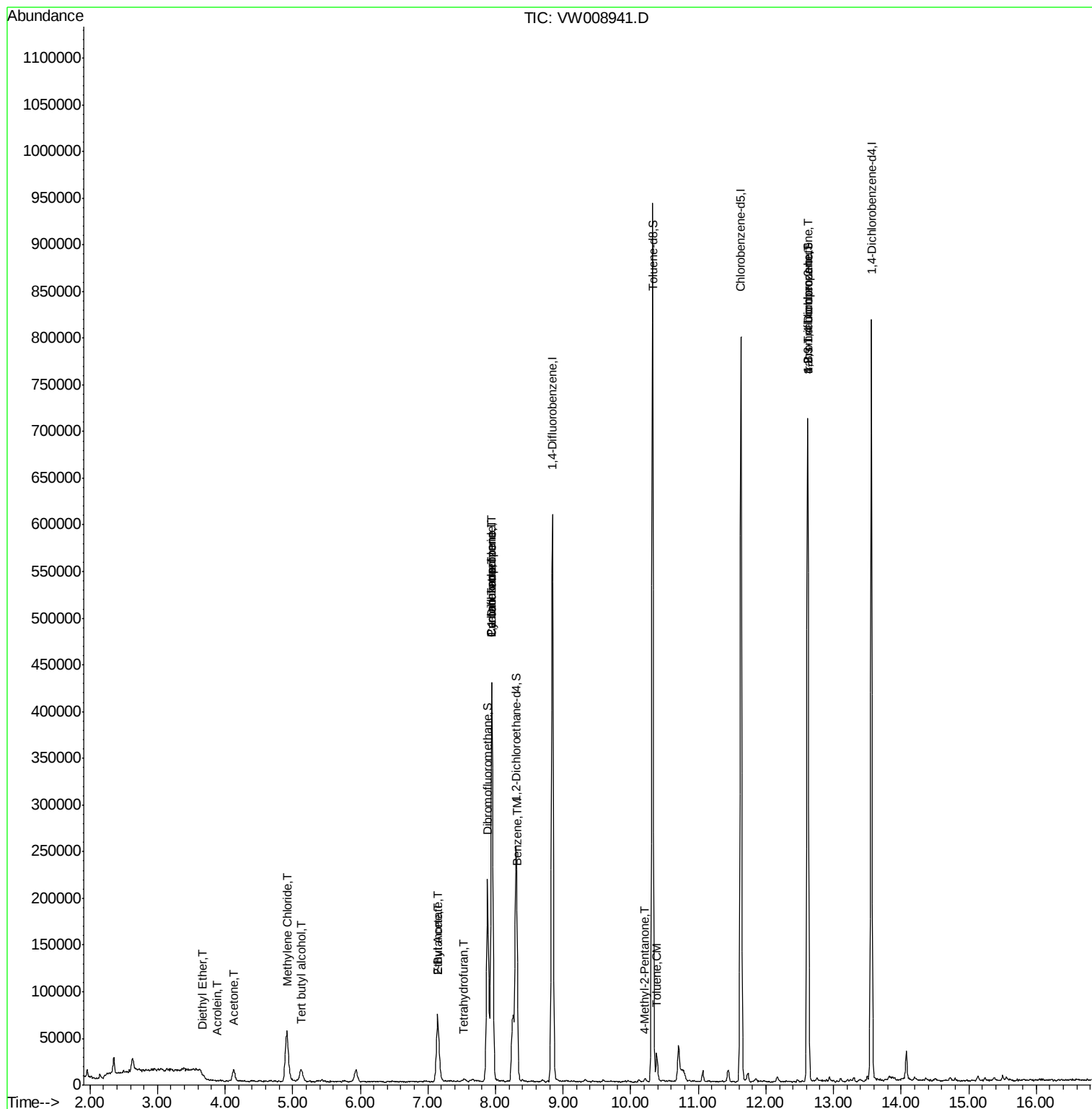
						Qvalue
8) Diethyl Ether	3.68	74	2033	1.222	ug/l	94
11) Tert butyl alcohol	5.12	59	11471	42.664	ug/l #	74
13) Acrolein	3.89	56	53	19.952	ug/l #	1
16) Acetone	4.13	43	22117	31.594	ug/l	95
20) Methylene Chloride	4.92	84	40233	7.304	ug/l #	92
25) 2-Butanone	7.16	43	5788	5.914	ug/l #	80
29) Tetrahydrofuran	7.54	42	1389	2.227	ug/l #	70
31) Cyclohexane	7.95	56	7625	1.339	ug/l #	36
36) 1,1-Dichloropropene	7.95	75	24770	5.111	ug/l #	52
37) Ethyl Acetate	7.16	43	5922	2.628	ug/l #	72
38) Carbon Tetrachloride	7.95	117	31247	6.114	ug/l #	17
40) Benzene	8.32	78	18609	1.406	ug/l	98
51) 4-Methyl-2-Pentanone	10.22	43	2413	1.057	ug/l #	79
52) Toluene	10.39	92	12670	1.411	ug/l	98
76) 1,2,3-Trichloropropane	12.62	75	105932	62.156	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	105932	151.105	ug/l #	6

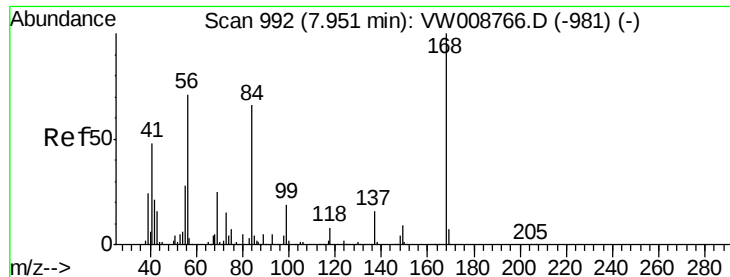
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008941.D

Acq: 02 Mar 2019 01:32

Instrument :

MSVOA_W

ClientSampleId :

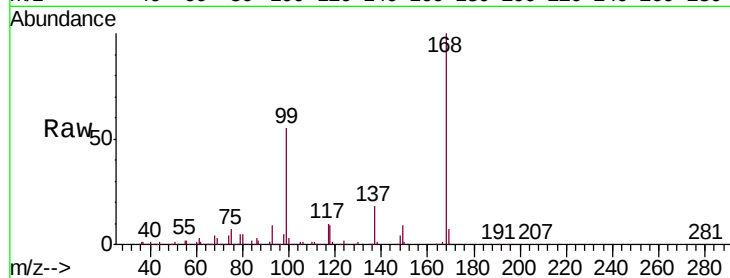
Z-3-13-B

Tgt Ion:168 Resp: 322000

Ion Ratio Lower Upper

168 100

99 55.4 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

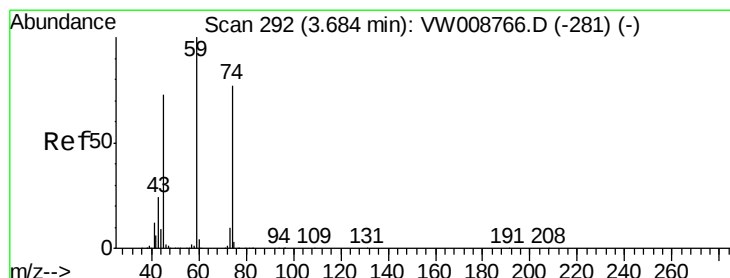
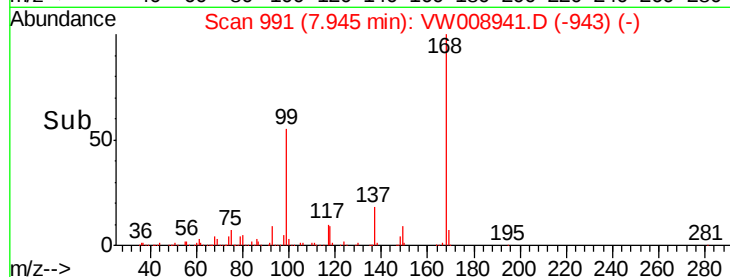
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.222 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.01 min

Lab File: VW008941.D

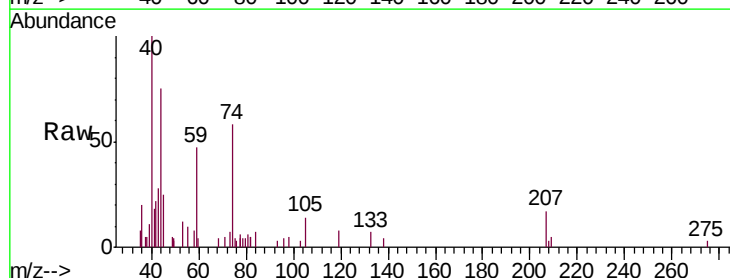
Acq: 02 Mar 2019 01:32

Tgt Ion: 74 Resp: 2033

Ion Ratio Lower Upper

74 100

45 94.2 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

1000

800

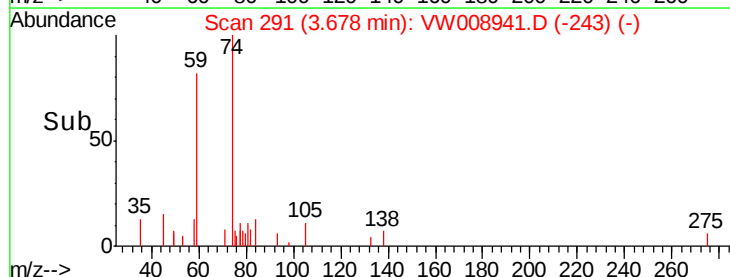
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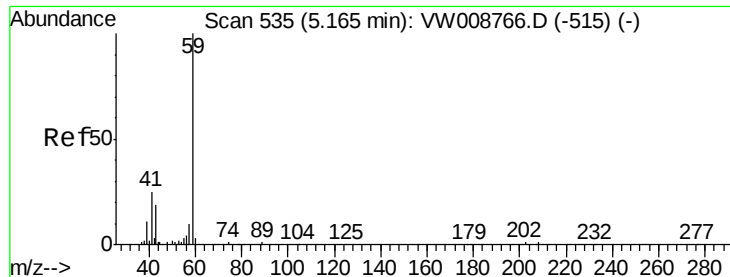
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200

0

Time-->



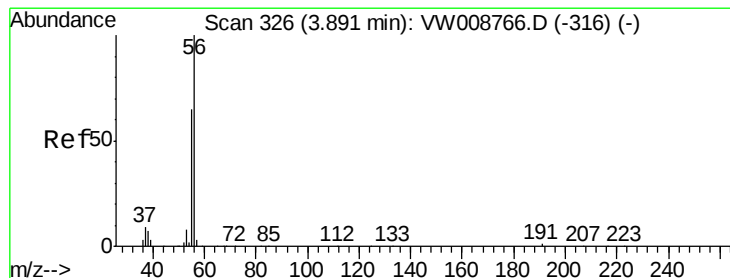
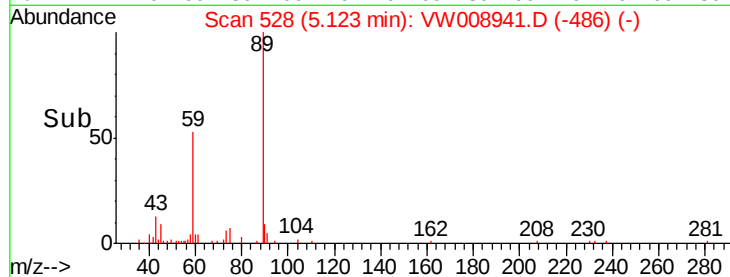
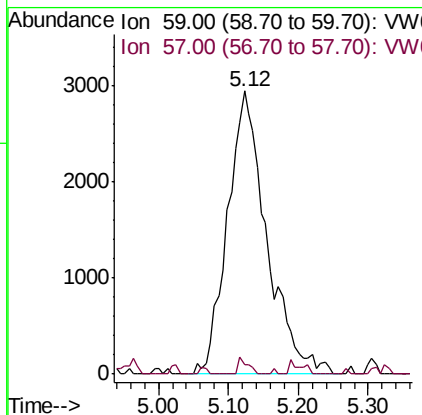
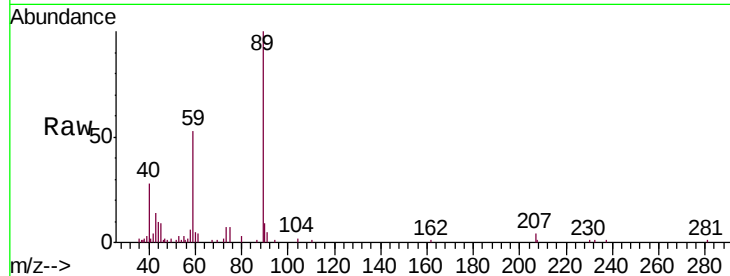


#11

Tert butyl alcohol
 Concen: 42.664 ug/l
 RT: 5.12 min Scan# 528
 Delta R.T. -0.04 min
 Lab File: VW008941.D
 Acq: 02 Mar 2019 01:32

Instrument :
 MSVOA_W
 ClientSampled :
 Z-3-13-B

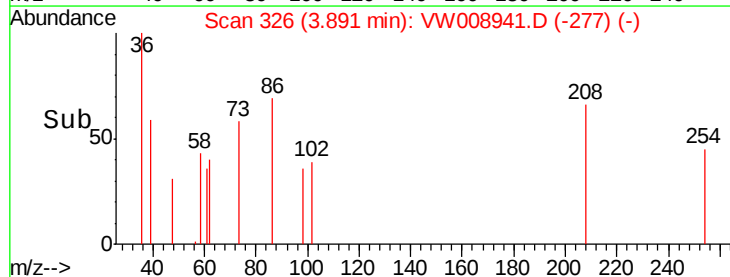
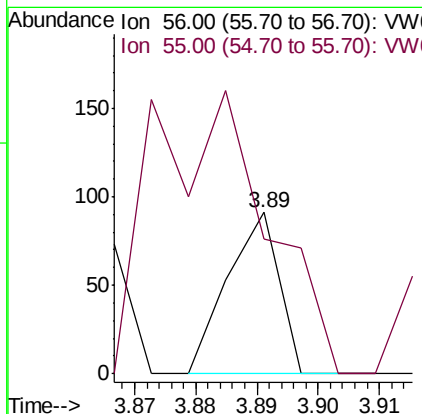
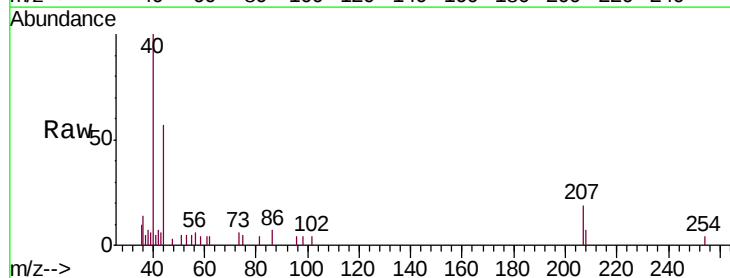
Tgt Ion: 59 Resp: 11471
 Ion Ratio Lower Upper
 59 100
 57 1.4 9.3 13.9#

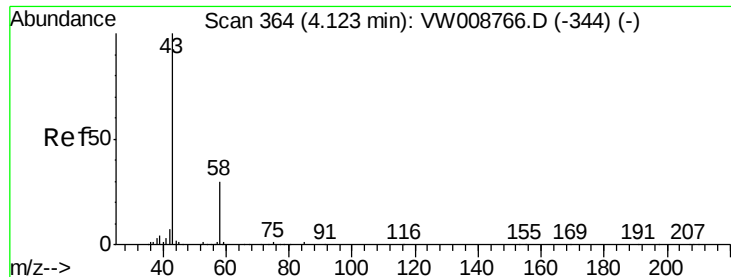


#13

Acrolein
 Concen: 19.952 ug/l
 RT: 3.89 min Scan# 326
 Delta R.T. 0.00 min
 Lab File: VW008941.D
 Acq: 02 Mar 2019 01:32

Tgt Ion: 56 Resp: 53
 Ion Ratio Lower Upper
 56 100
 55 388.7 56.9 85.3#





#16

Acetone

Concen: 31.594 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008941.D

Acq: 02 Mar 2019 01:32

Instrument :

MSVOA_W

ClientSampleId :

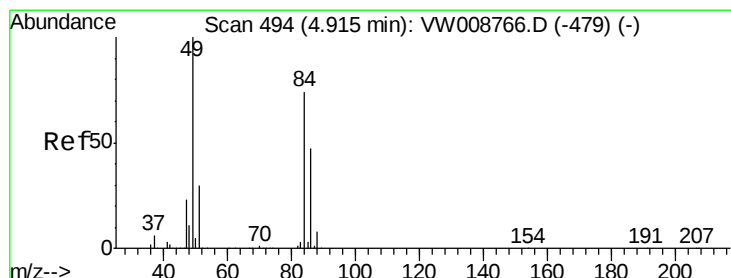
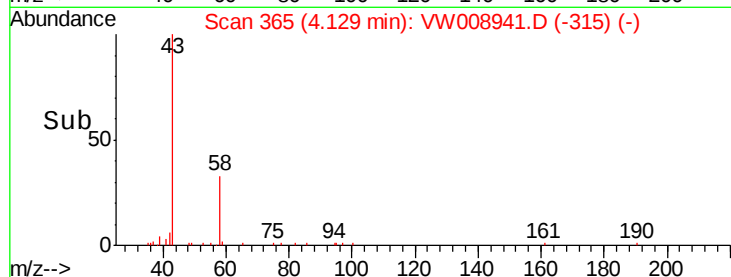
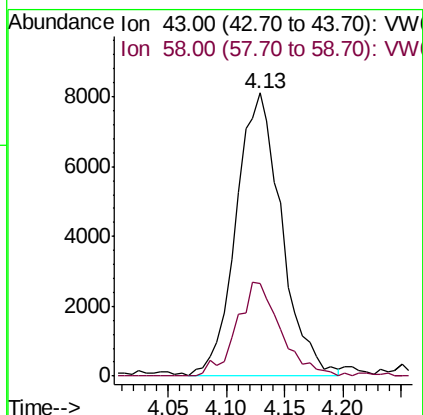
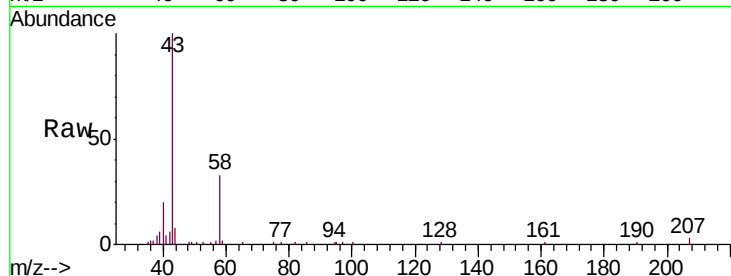
Z-3-13-B

Tgt Ion: 43 Resp: 22117

Ion Ratio Lower Upper

43 100

58 32.7 23.8 35.6



#20

Methylene Chloride

Concen: 7.304 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW008941.D

Acq: 02 Mar 2019 01:32

Tgt Ion: 84 Resp: 40233

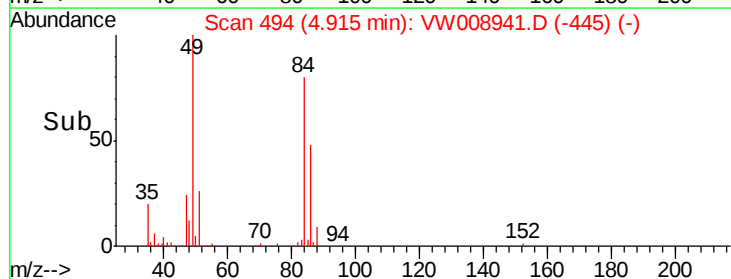
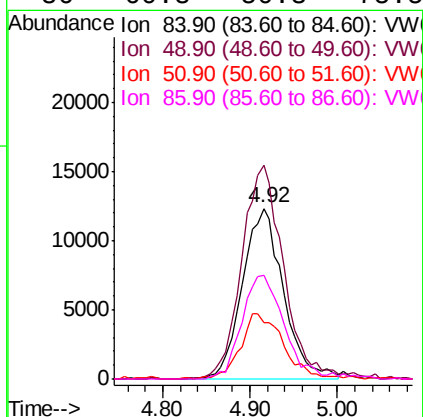
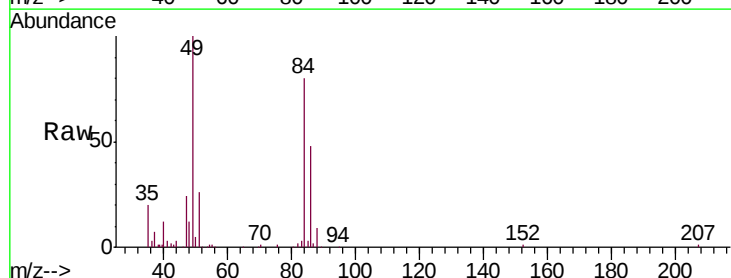
Ion Ratio Lower Upper

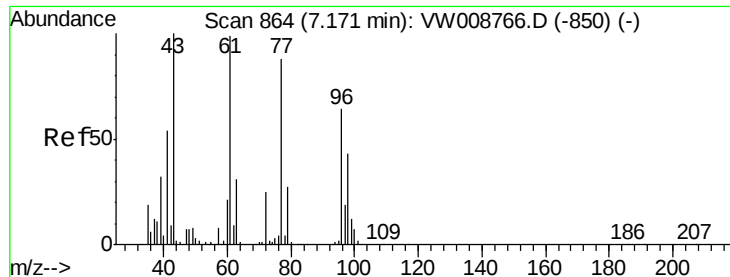
84 100

49 124.9 108.2 162.2

51 32.5 32.7 49.1#

86 60.8 50.3 75.5





#25

2-Butanone

Concen: 5.914 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW008941.D

Acq: 02 Mar 2019 01:32

Instrument :

MSVOA_W

ClientSampleId :

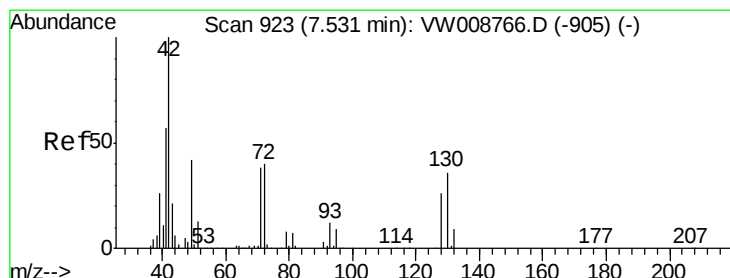
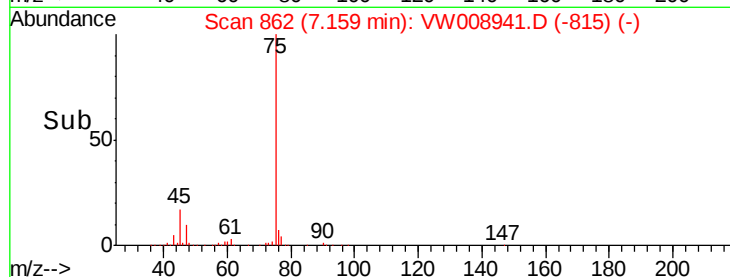
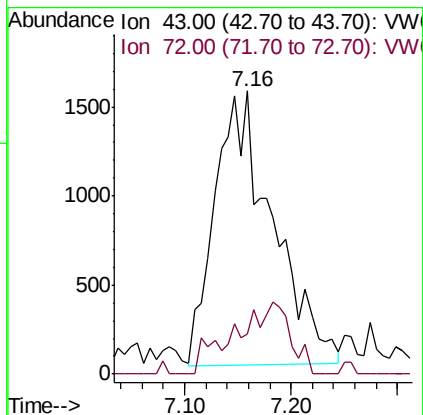
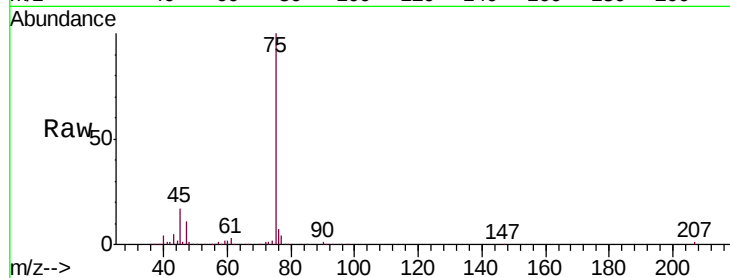
Z-3-13-B

Tgt Ion: 43 Resp: 5788

Ion Ratio Lower Upper

43 100

72 14.7 19.7 29.5#



#29

Tetrahydrofuran

Concen: 2.227 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW008941.D

Acq: 02 Mar 2019 01:32

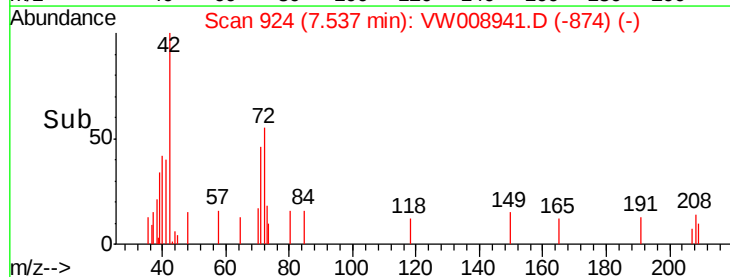
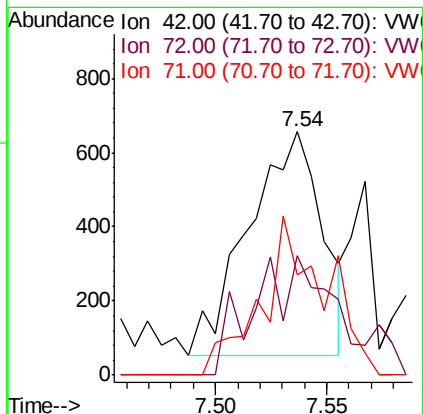
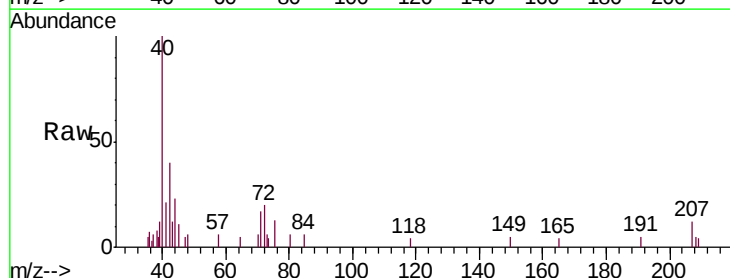
Tgt Ion: 42 Resp: 1389

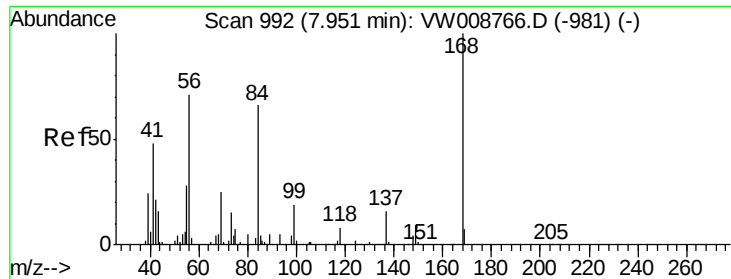
Ion Ratio Lower Upper

42 100

72 25.4 32.7 49.1#

71 61.1 31.3 46.9#

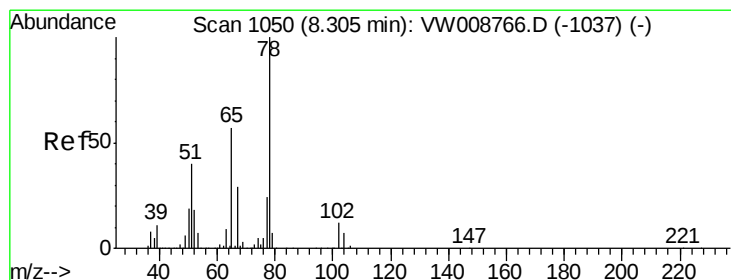
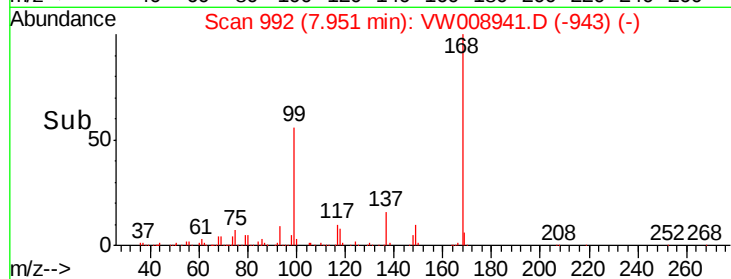
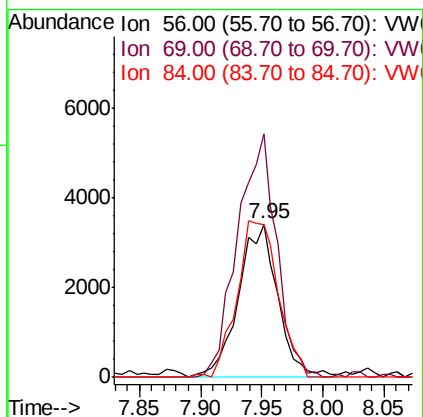
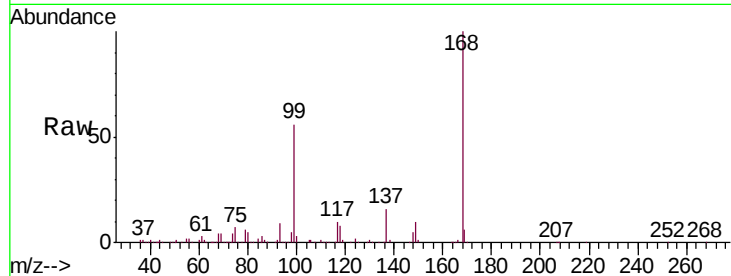




#31
Cyclohexane
Concen: 1.339 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW008941.D
Acq: 02 Mar 2019 01:32

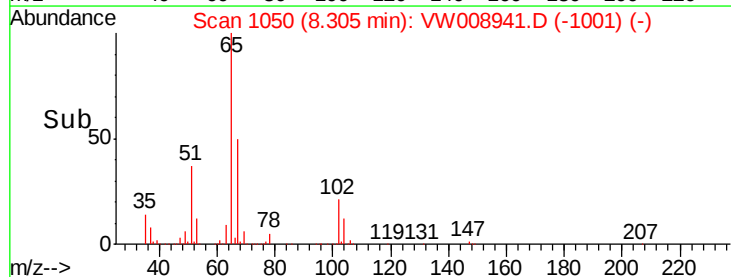
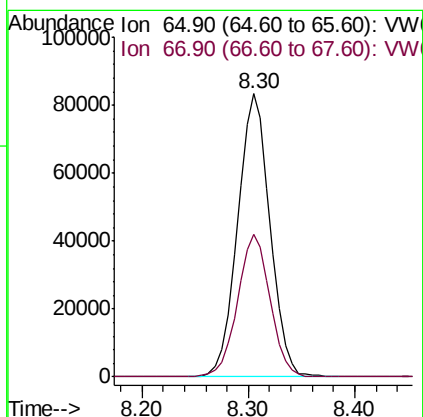
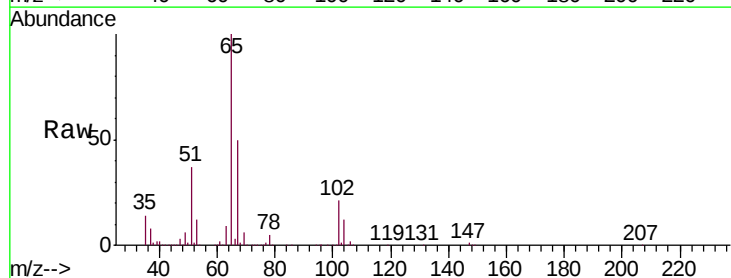
Instrument :
MSVOA_W
ClientSampled :
Z-3-13-B

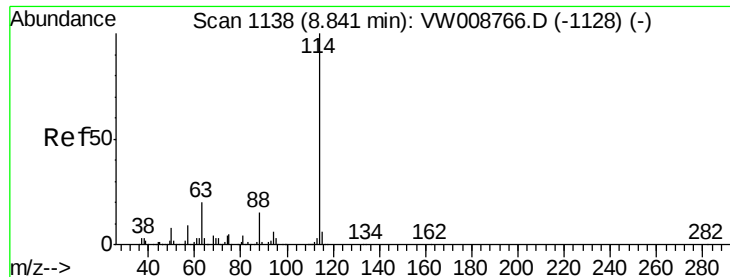
Tgt Ion: 56 Resp: 7625
Ion Ratio Lower Upper
56 100
69 158.9 28.2 42.4#
84 99.5 74.1 111.1



#33
1,2-Dichloroethane-d4
Concen: 58.821 ug/l
RT: 8.30 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW008941.D
Acq: 02 Mar 2019 01:32

Tgt Ion: 65 Resp: 177644
Ion Ratio Lower Upper
65 100
67 50.9 0.0 101.4

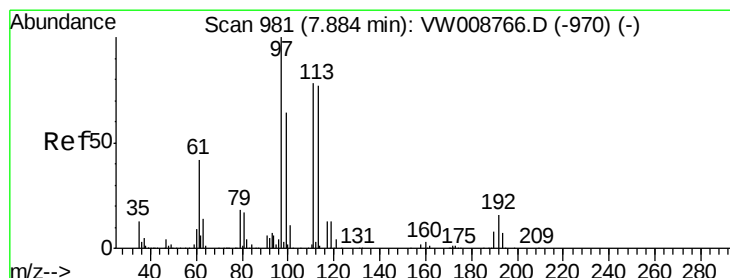
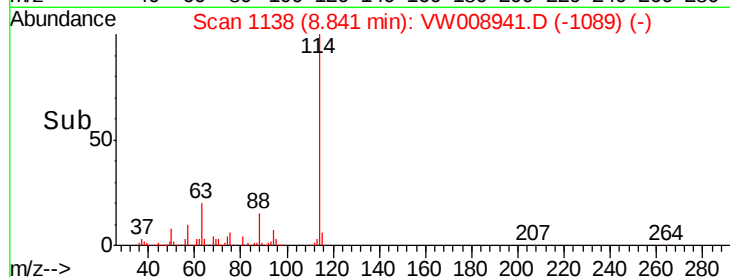
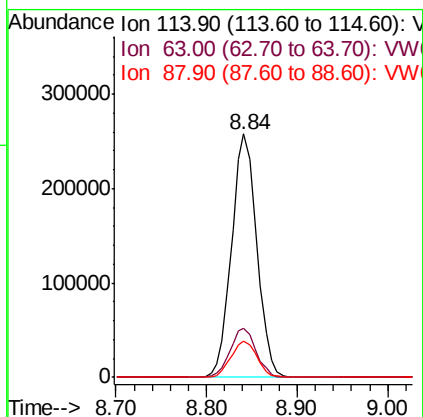
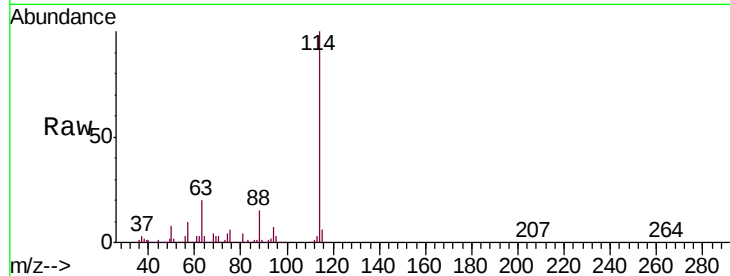




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008941.D
 Acq: 02 Mar 2019 01:32

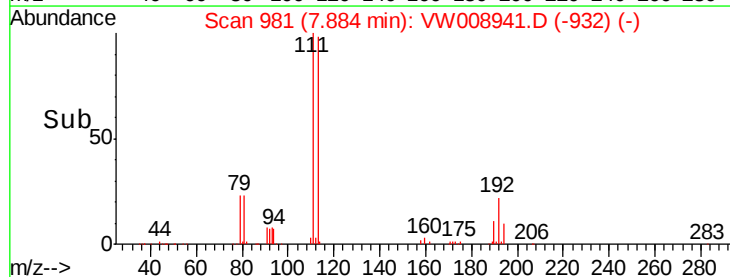
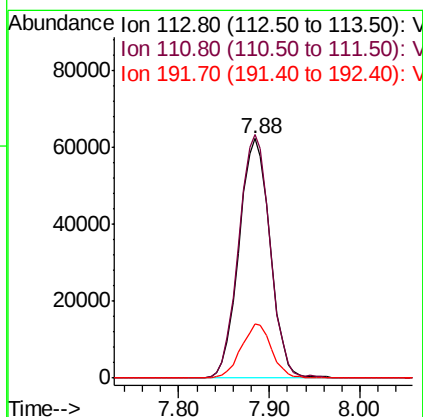
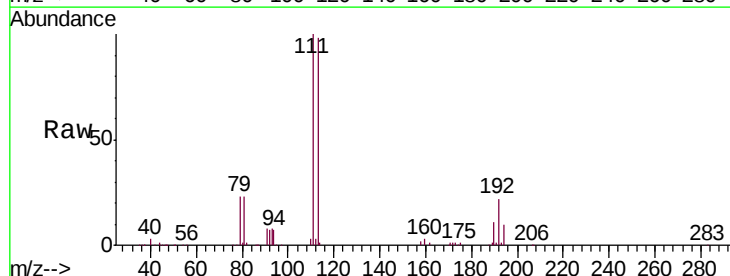
Instrument :
 MSVOA_W
 ClientSampleId :
 Z-3-13-B

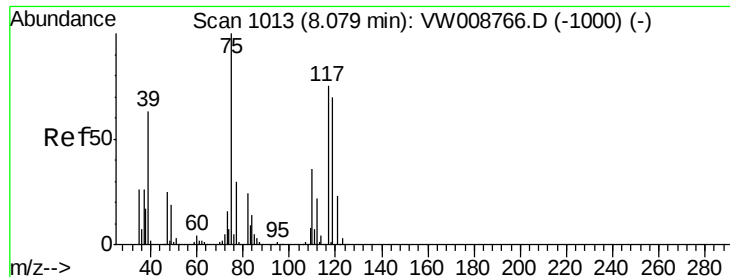
Tgt Ion:114 Resp: 497875
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 40.8
 88 15.1 0.0 30.4



#35
 Dibromofluoromethane
 Concen: 49.379 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW008941.D
 Acq: 02 Mar 2019 01:32

Tgt Ion:113 Resp: 147608
 Ion Ratio Lower Upper
 113 100
 111 102.6 81.9 122.9
 192 22.0 17.1 25.7





#36

1,1-Dichloropropene

Concen: 5.111 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW008941.D

Acq: 02 Mar 2019 01:32

Instrument :

MSVOA_W

ClientSampled :

Z-3-13-B

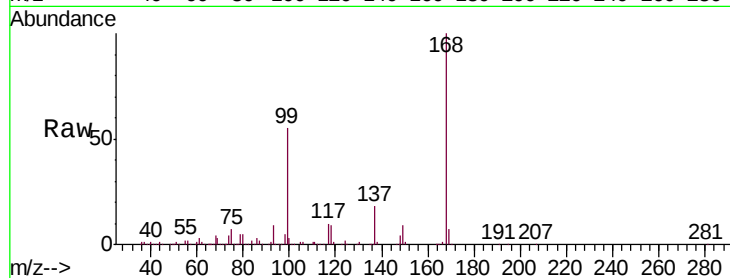
Tgt Ion: 75 Resp: 24770

Ion Ratio Lower Upper

75 100

110 10.3 17.5 52.6#

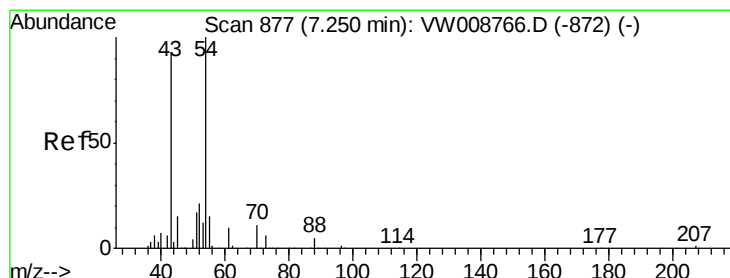
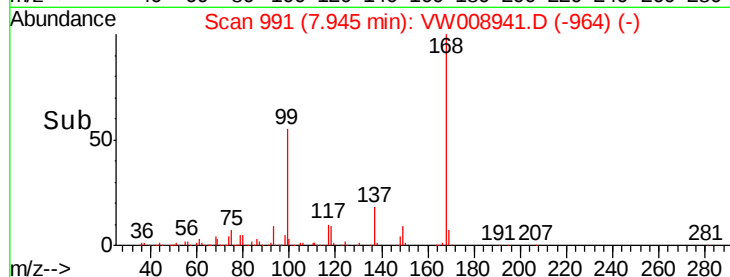
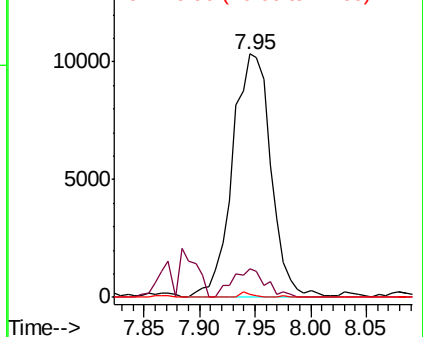
77 0.6 24.5 36.7#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): VW

Ion 76.90 (76.60 to 77.60): VW



#37

Ethyl Acetate

Concen: 2.628 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.09 min

Lab File: VW008941.D

Acq: 02 Mar 2019 01:32

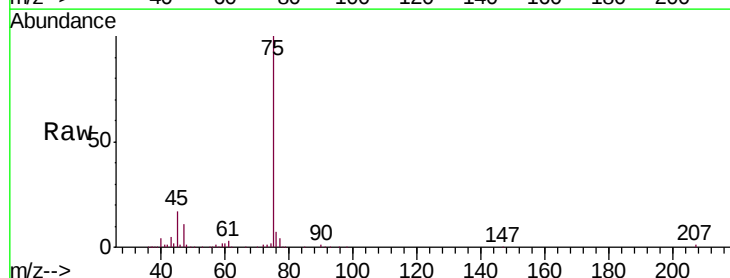
Tgt Ion: 43 Resp: 5922

Ion Ratio Lower Upper

43 100

61 0.0 9.8 14.8#

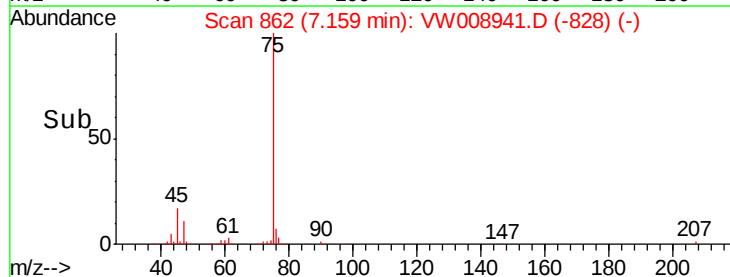
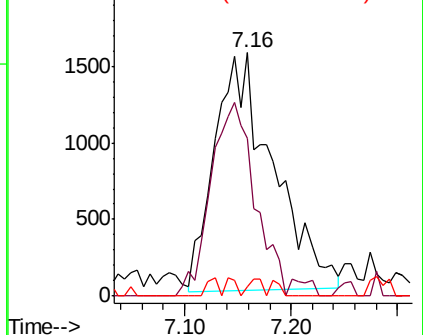
70 1.8 8.4 12.6#

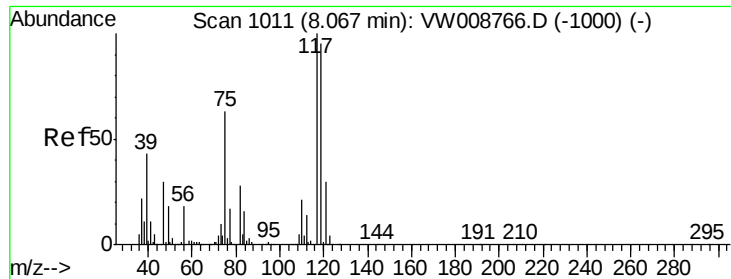


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW

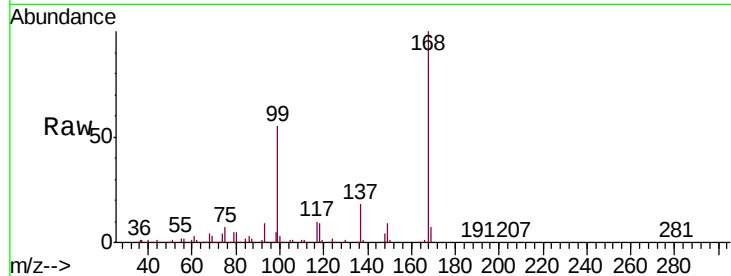




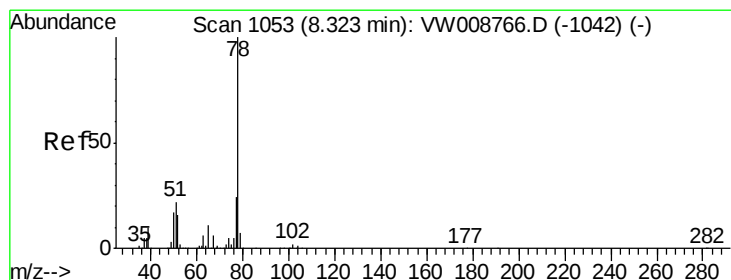
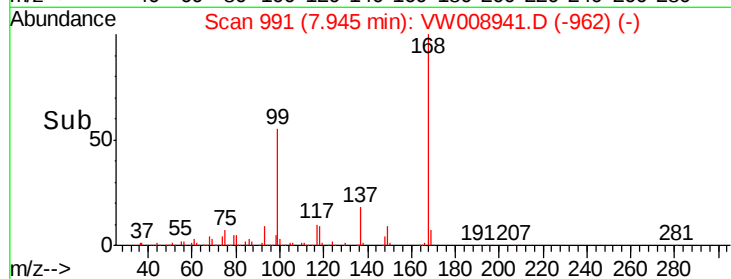
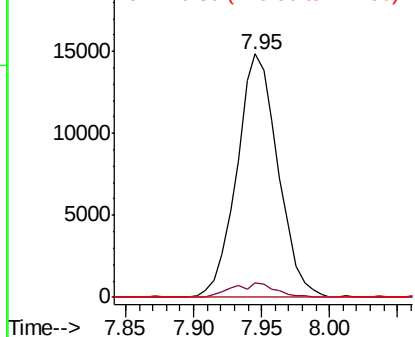
#38
Carbon Tetrachloride
Concen: 6.114 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW008941.D
Acq: 02 Mar 2019 01:32

Instrument :
MSVOA_W
ClientSampleId :
Z-3-13-B

Tgt Ion:117 Resp: 31247
Ion Ratio Lower Upper
117 100
119 5.9 76.1 114.1#
121 0.0 24.0 36.0#

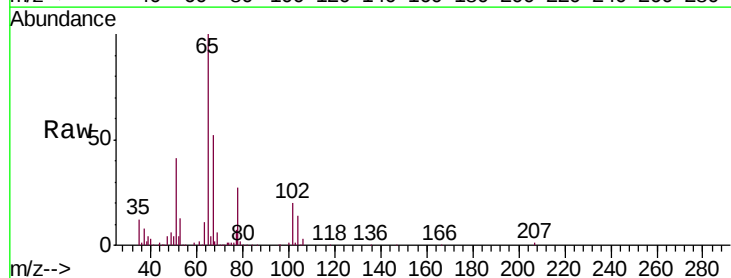


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

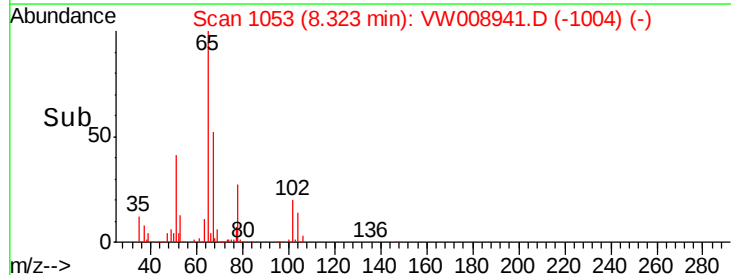
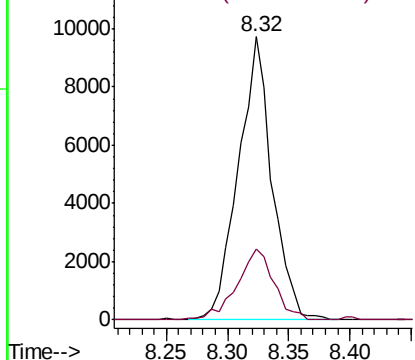


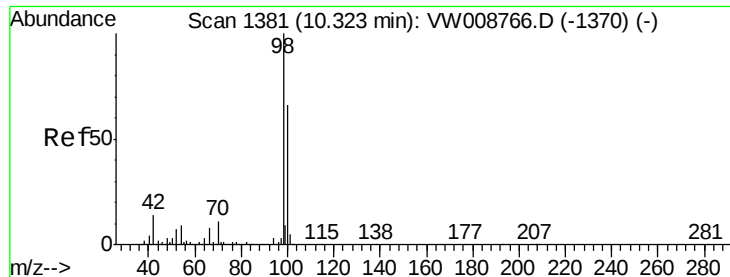
#40
Benzene
Concen: 1.406 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW008941.D
Acq: 02 Mar 2019 01:32

Tgt Ion: 78 Resp: 18609
Ion Ratio Lower Upper
78 100
77 25.2 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: 50.739 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008941.D

Acq: 02 Mar 2019 01:32

Instrument :

MSVOA_W

ClientSampleId :

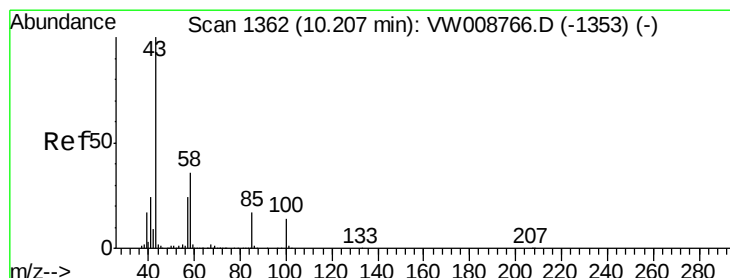
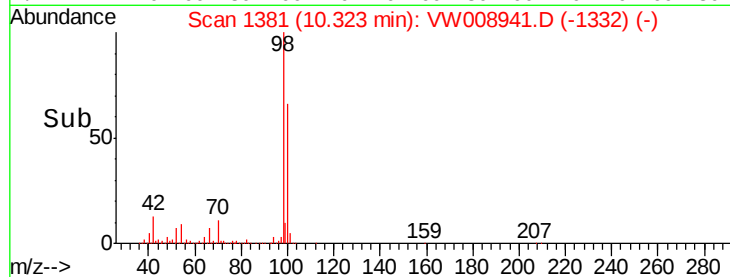
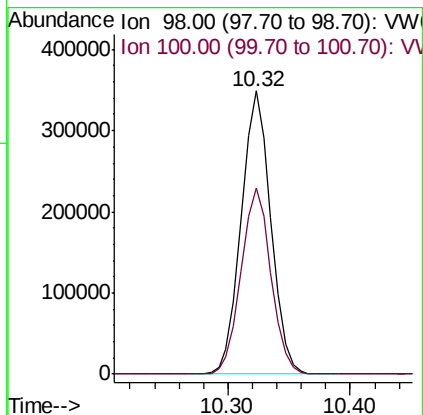
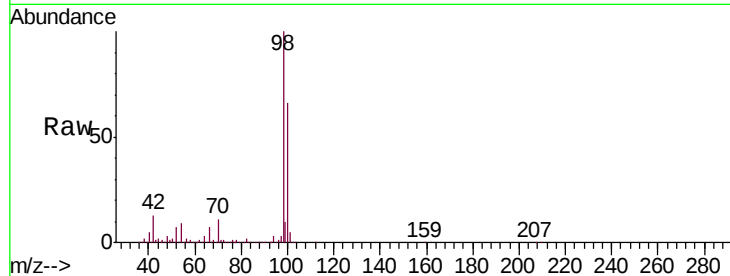
Z-3-13-B

Tgt Ion: 98 Resp: 585512

Ion Ratio Lower Upper

98 100

100 66.2 52.4 78.6



#51

4-Methyl-2-Pentanone

Concen: 1.057 ug/l

RT: 10.22 min Scan# 1364

Delta R.T. 0.01 min

Lab File: VW008941.D

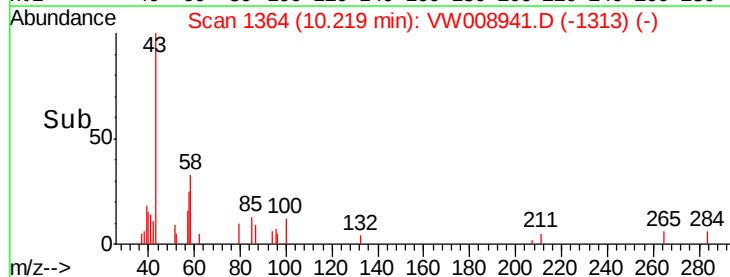
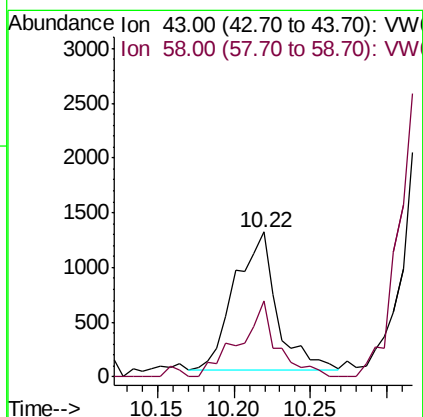
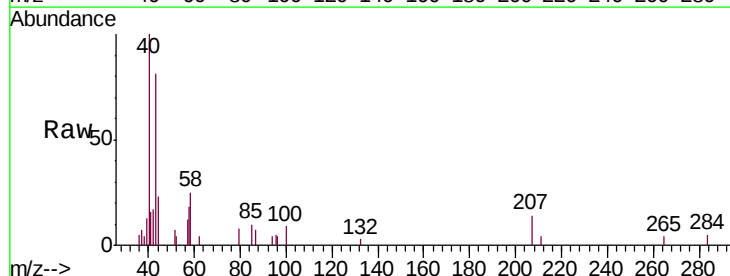
Acq: 02 Mar 2019 01:32

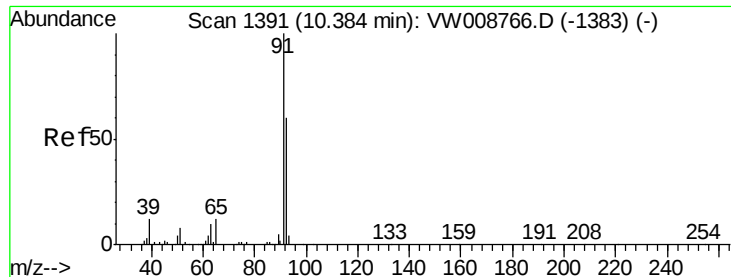
Tgt Ion: 43 Resp: 2413

Ion Ratio Lower Upper

43 100

58 48.9 29.1 43.7#





#52

Toluene

Concen: 1.411 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW008941.D

Acq: 02 Mar 2019 01:32

Instrument :

MSVOA_W

ClientSampleId :

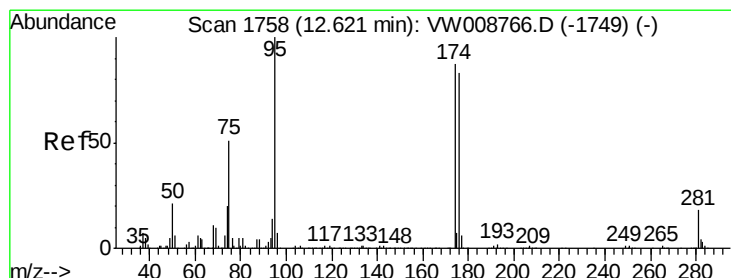
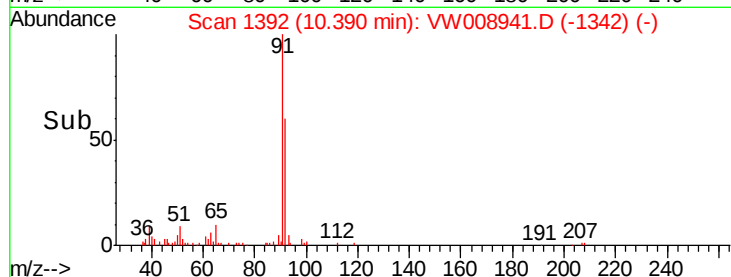
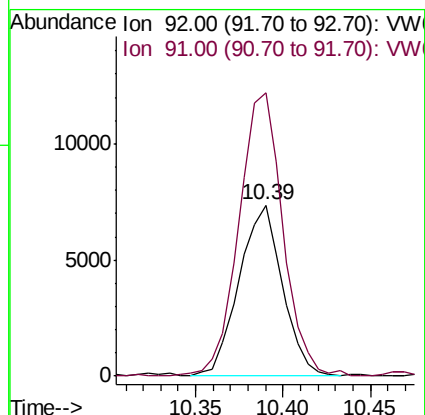
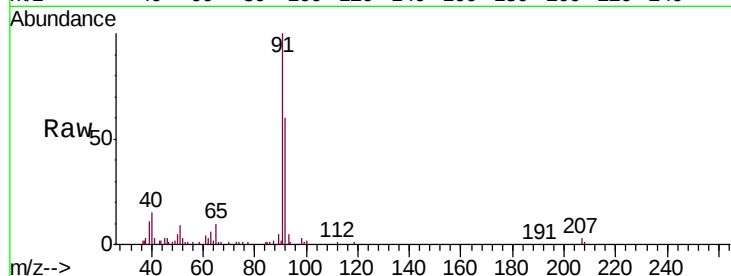
Z-3-13-B

Tgt Ion: 92 Resp: 12670

Ion Ratio Lower Upper

92 100

91 168.4 136.9 205.3



#62

4-Bromofluorobenzene

Concen: 43.872 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008941.D

Acq: 02 Mar 2019 01:32

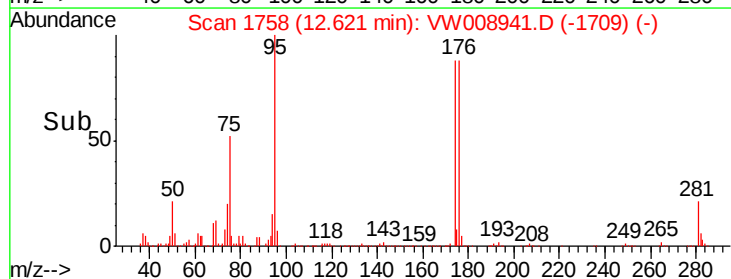
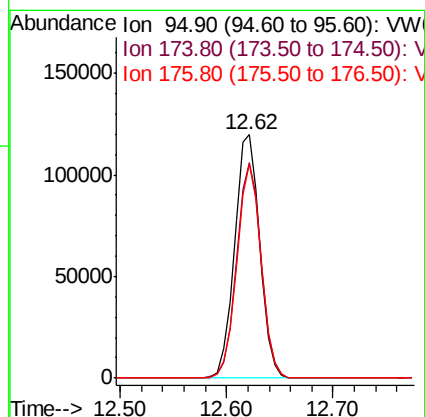
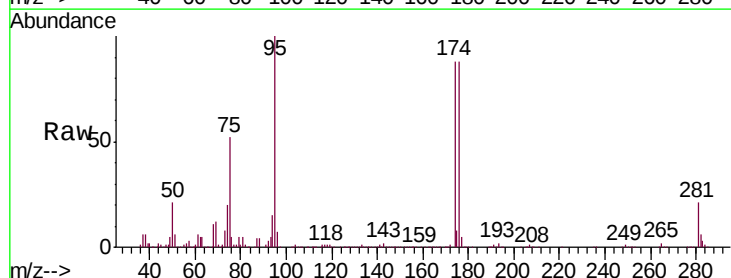
Tgt Ion: 95 Resp: 198226

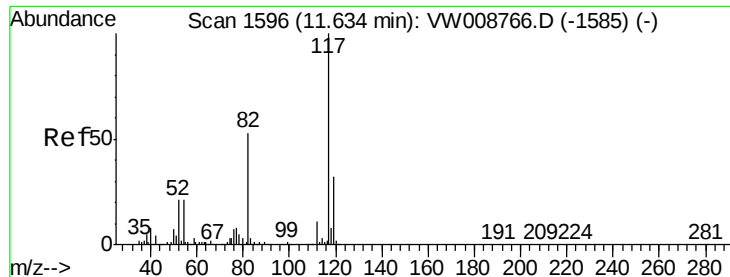
Ion Ratio Lower Upper

95 100

174 86.2 0.0 169.2

176 84.5 0.0 163.6

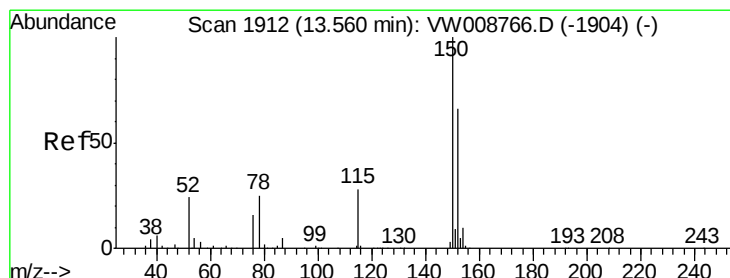
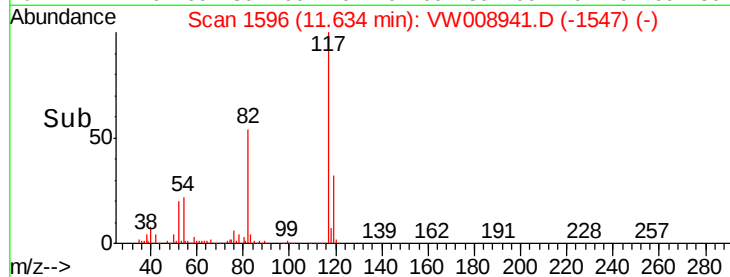
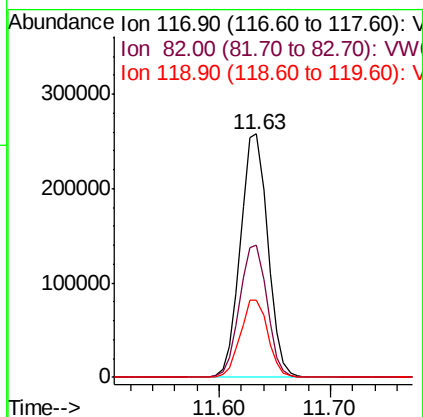
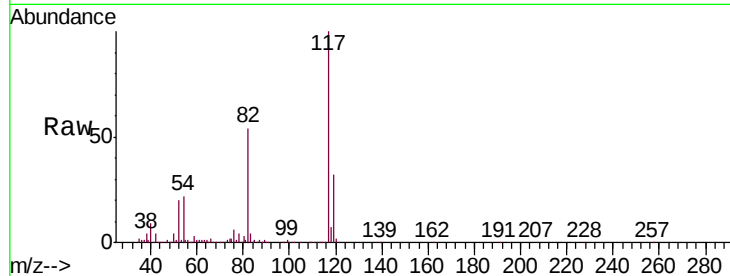




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008941.D
Acq: 02 Mar 2019 01:32

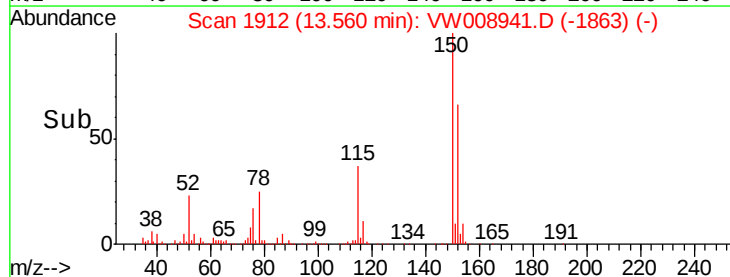
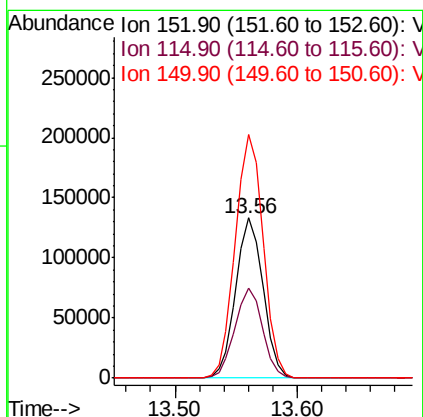
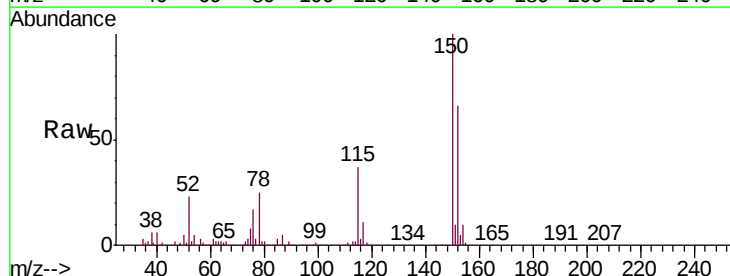
Instrument :
MSVOA_W
ClientSampleId :
Z-3-13-B

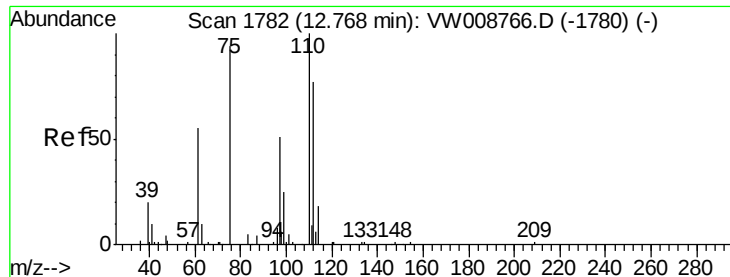
Tgt Ion:117 Resp: 441071
Ion Ratio Lower Upper
117 100
82 54.5 42.2 63.4
119 31.8 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008941.D
Acq: 02 Mar 2019 01:32

Tgt Ion:152 Resp: 206424
Ion Ratio Lower Upper
152 100
115 56.7 28.6 85.8
150 155.0 0.0 348.0





#76

1,2,3-Trichloropropane

Concen: 62.156 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW008941.D

Acq: 02 Mar 2019 01:32

Instrument :

MSVOA_W

ClientSampled :

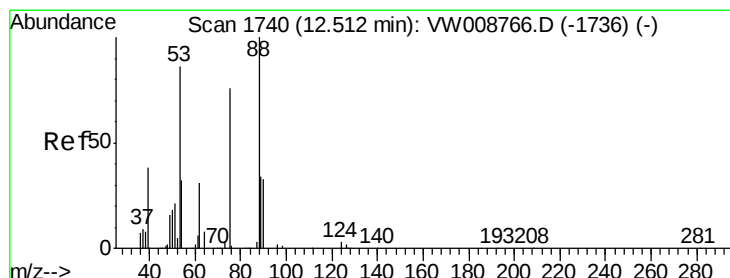
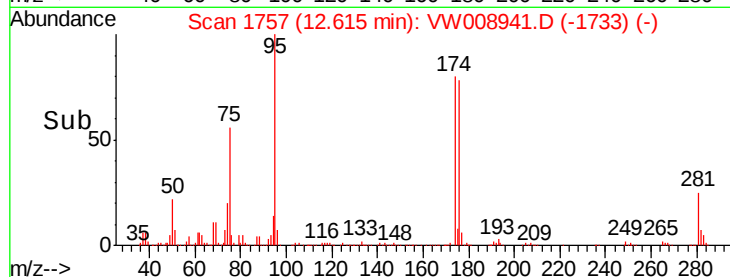
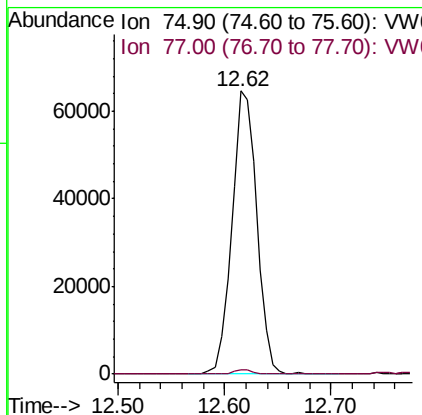
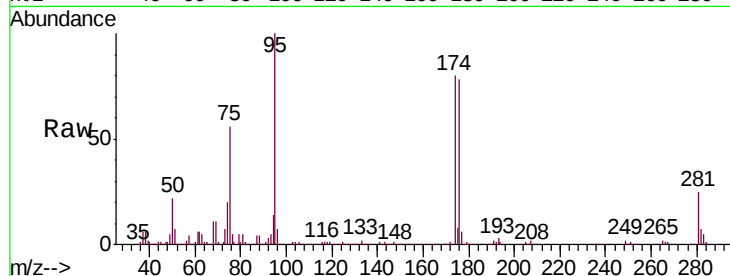
Z-3-13-B

Tgt Ion: 75 Resp: 105932

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 151.105 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW008941.D

Acq: 02 Mar 2019 01:32

Tgt Ion: 75 Resp: 105932

Ion Ratio Lower Upper

75 100

53 0.2 88.2 132.2#

89 0.3 39.5 59.3#

