

Data File : VW008949.D
Acq On : 02 Mar 2019 05:06
Operator : SY/VA
Sample : K1675-15RE
Misc : 4.70G/5ML/MSVOA_W/SOIL
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
Z-3-2-BRE

Quant Time: Mar 02 05:44:39 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	306572	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	476571	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	425422	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	195402	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	176572	61.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.82%	
35) Dibromofluoromethane	7.88	113	151476	52.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.88%	
50) Toluene-d8	10.32	98	564123	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
62) 4-Bromofluorobenzene	12.62	95	187690	43.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.80%	

Target Compounds

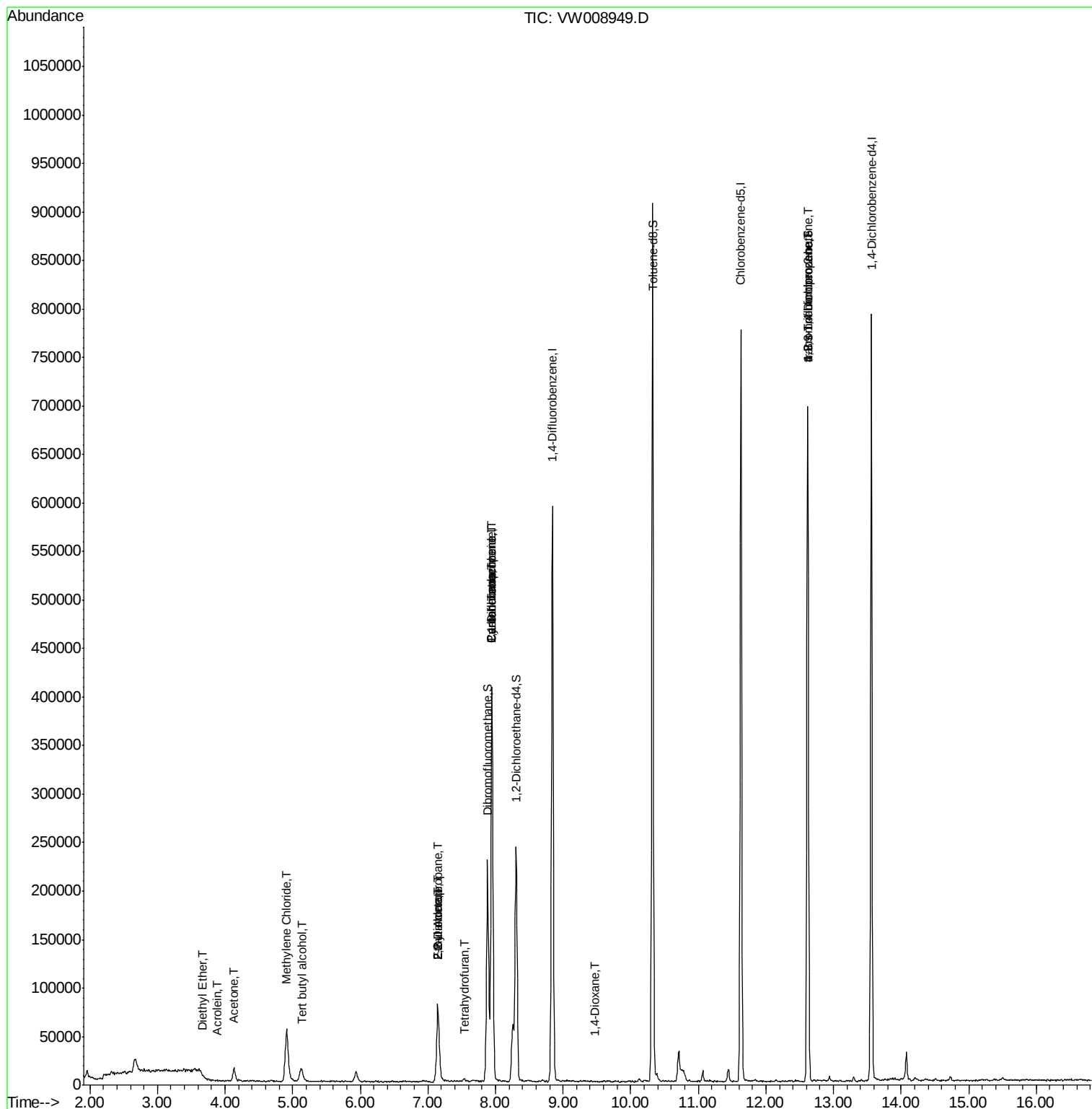
						Qvalue
8) Diethyl Ether	3.68	74	1686	1.064	ug/l	74
11) Tert butyl alcohol	5.13	59	12341	48.210	ug/l #	70
13) Acrolein	3.88	56	205	20.479	ug/l #	77
16) Acetone	4.13	43	22084	33.135	ug/l	93
20) Methylene Chloride	4.92	84	38586	7.399	ug/l	96
25) 2-Butanone	7.15	43	6060	6.504	ug/l #	73
26) 2,2-Dichloropropane	7.14	77	5457	1.122	ug/l #	54
29) Tetrahydrofuran	7.54	42	2067	3.481	ug/l #	66
31) Cyclohexane	7.95	56	6650	1.227	ug/l #	4
36) 1,1-Dichloropropene	7.94	75	23196	5.000	ug/l #	50
37) Ethyl Acetate	7.15	43	6060	2.809	ug/l #	15
38) Carbon Tetrachloride	7.95	117	29424	6.014	ug/l #	18
49) 1,4-Dioxane	9.46	88	86	3.085	ug/l #	41
76) 1,2,3-Trichloropropane	12.62	75	103062	63.883	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	103062	155.303	ug/l #	6

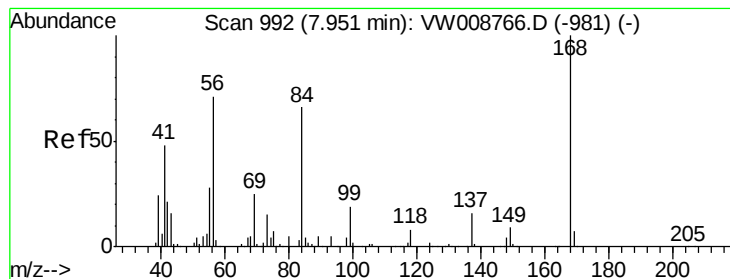
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008949.D

Acq: 02 Mar 2019 05:06

Instrument :

MSVOA_W

ClientSampleId :

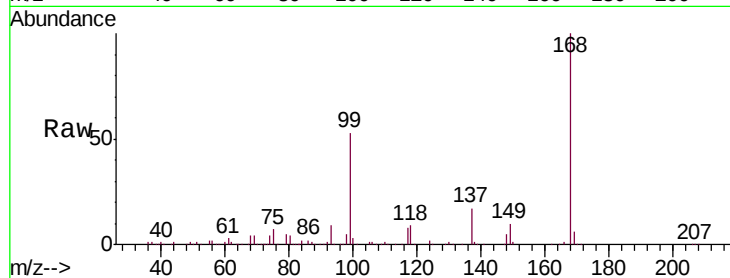
Z-3-2-BRE

Tgt Ion:168 Resp: 306572

Ion Ratio Lower Upper

168 100

99 52.8 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

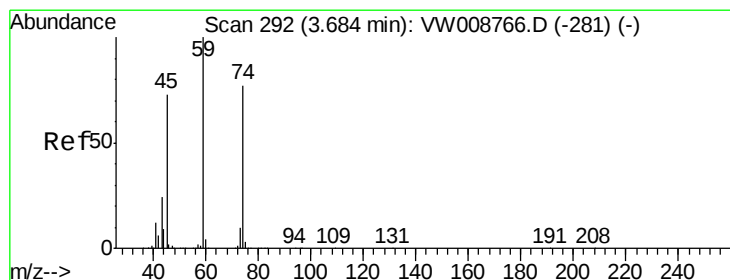
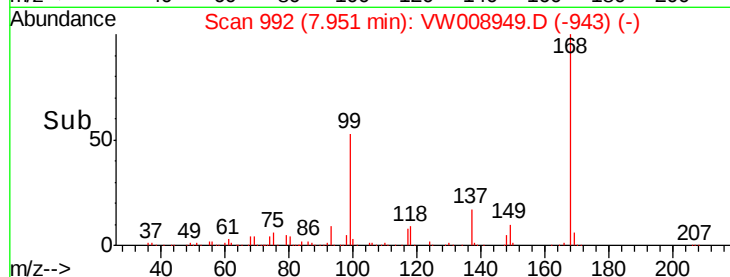
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.064 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.01 min

Lab File: VW008949.D

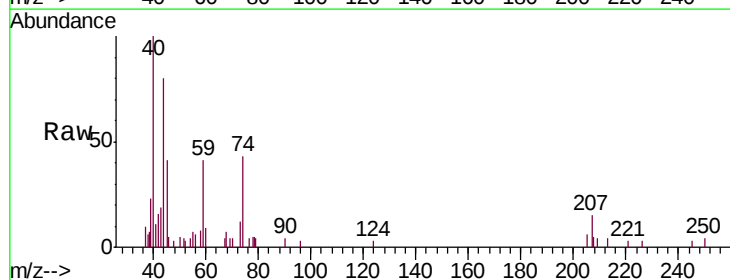
Acq: 02 Mar 2019 05:06

Tgt Ion: 74 Resp: 1686

Ion Ratio Lower Upper

74 100

45 126.2 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

800

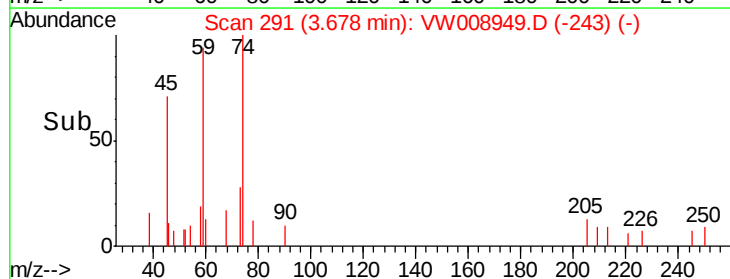
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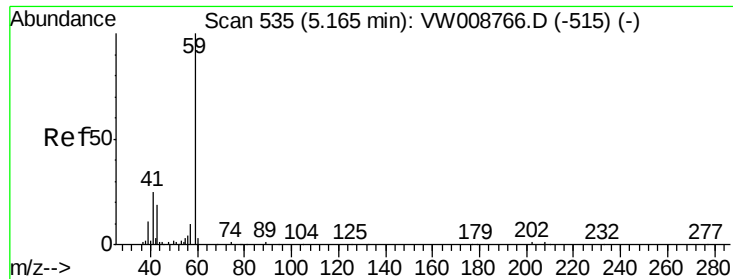
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200

0

Time-->

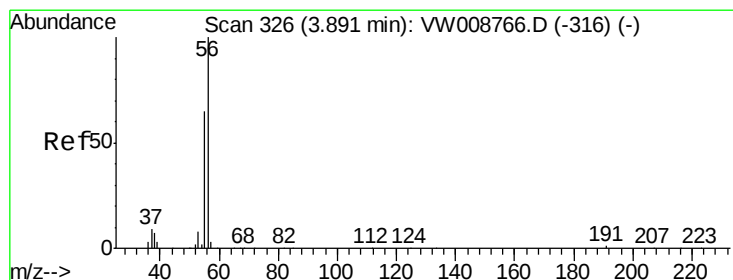
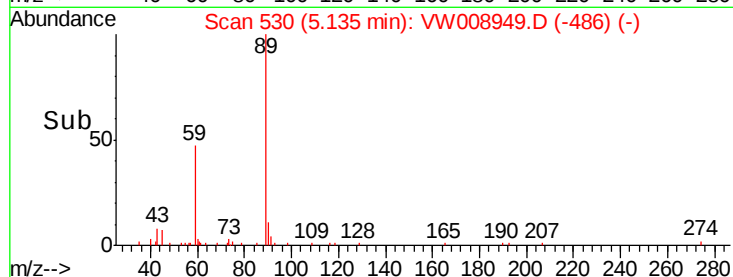
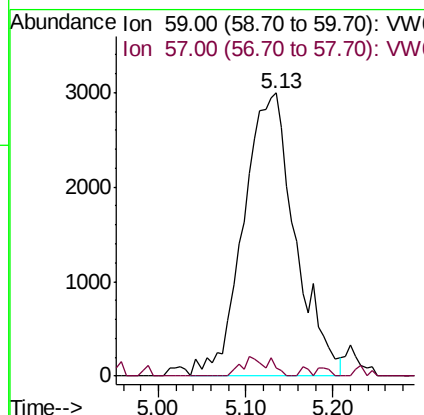
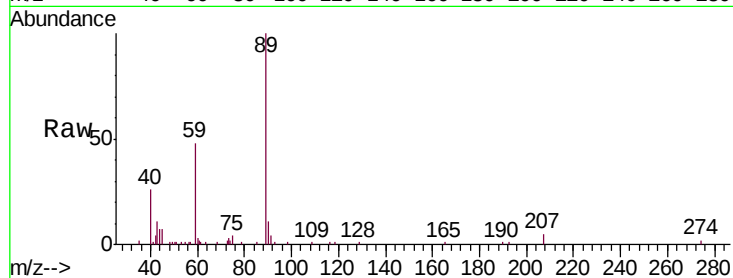




#11
Tert butyl alcohol
Concen: 48.210 ug/l
RT: 5.13 min Scan# 530
Delta R.T. -0.03 min
Lab File: VW008949.D
Acq: 02 Mar 2019 05:06

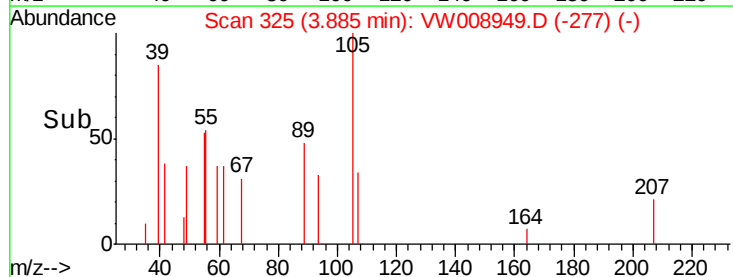
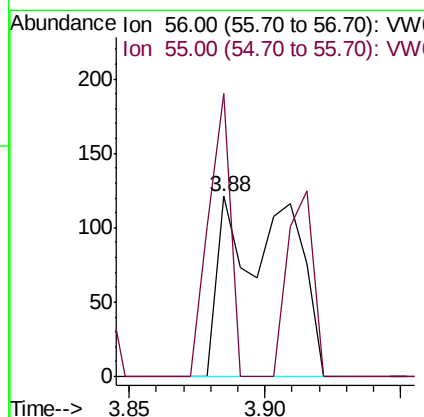
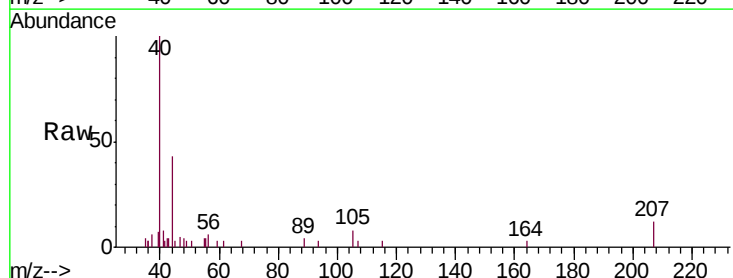
Instrument :
MSVOA_W
ClientSampled :
Z-3-2-BRE

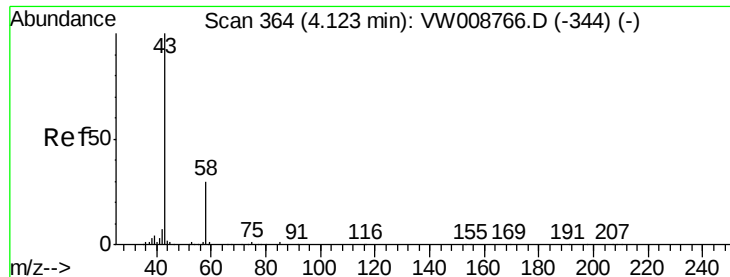
Tgt Ion: 59 Resp: 12341
Ion Ratio Lower Upper
59 100
57 0.0 9.3 13.9#



#13
Acrolein
Concen: 20.479 ug/l
RT: 3.88 min Scan# 325
Delta R.T. -0.01 min
Lab File: VW008949.D
Acq: 02 Mar 2019 05:06

Tgt Ion: 56 Resp: 205
Ion Ratio Lower Upper
56 100
55 51.7 56.9 85.3#

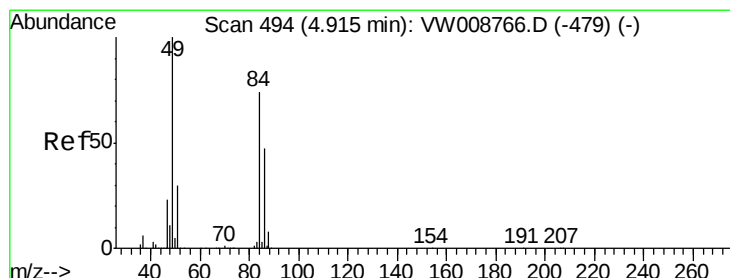
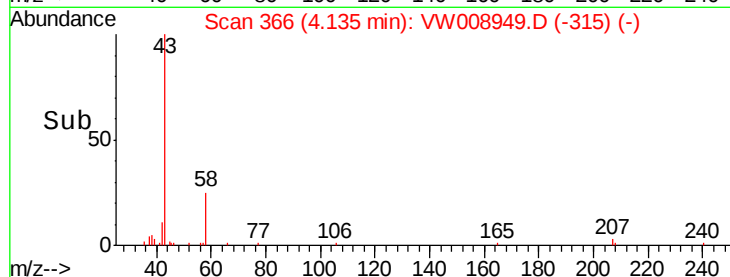
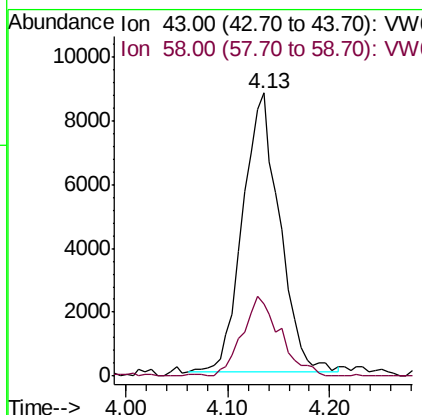
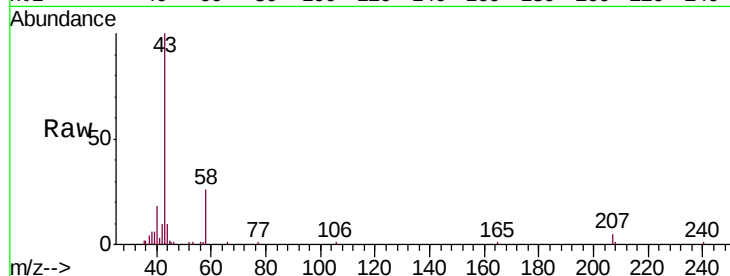




#16
Acetone
Concen: 33.135 ug/l
RT: 4.13 min Scan# 366
Delta R.T. 0.01 min
Lab File: VW008949.D
Acq: 02 Mar 2019 05:06

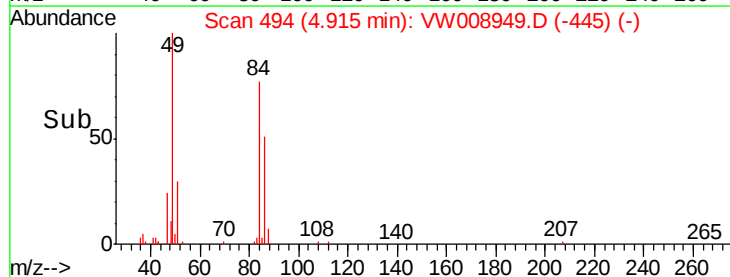
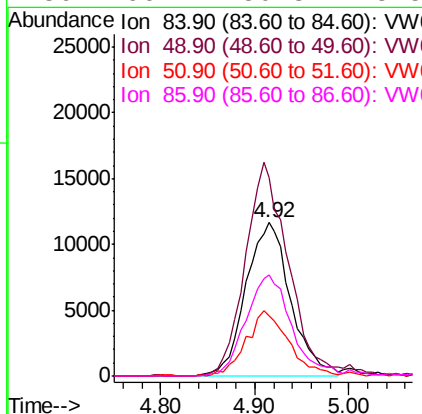
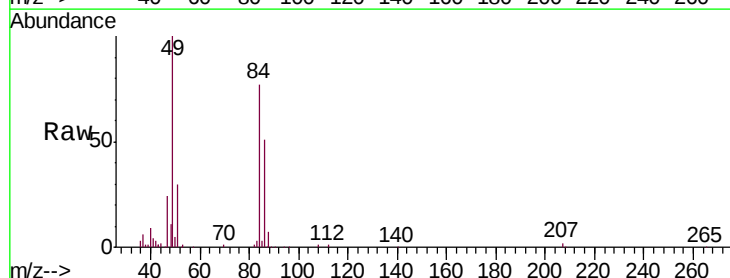
Instrument :
MSVOA_W
ClientSampleId :
Z-3-2-BRE

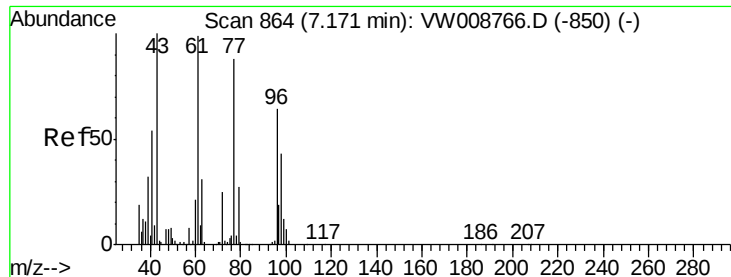
Tgt Ion: 43 Resp: 22084
Ion Ratio Lower Upper
43 100
58 26.1 23.8 35.6



#20
Methylene Chloride
Concen: 7.399 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW008949.D
Acq: 02 Mar 2019 05:06

Tgt Ion: 84 Resp: 38586
Ion Ratio Lower Upper
84 100
49 129.5 108.2 162.2
51 39.1 32.7 49.1
86 66.2 50.3 75.5





#25

2-Butanone

Concen: 6.504 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.02 min

Lab File: VW008949.D

Acq: 02 Mar 2019 05:06

Instrument :

MSVOA_W

ClientSampleId :

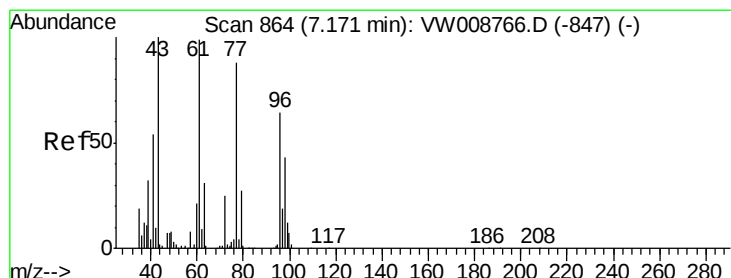
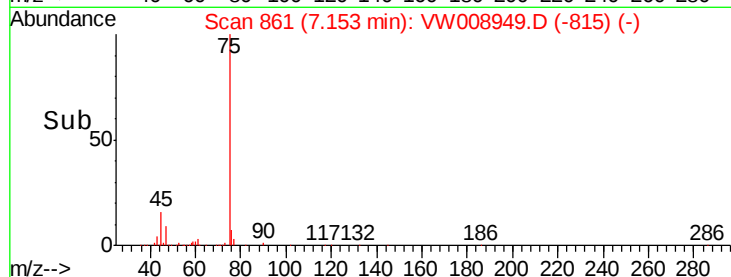
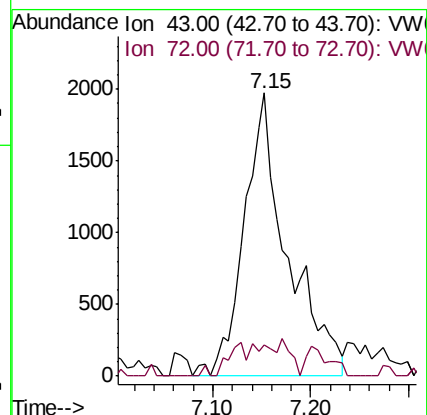
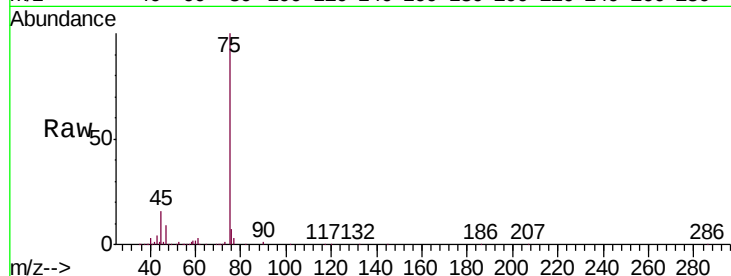
Z-3-2-BRE

Tgt Ion: 43 Resp: 6060

Ion Ratio Lower Upper

43 100

72 10.9 19.7 29.5#



#26

2,2-Dichloropropane

Concen: 1.122 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW008949.D

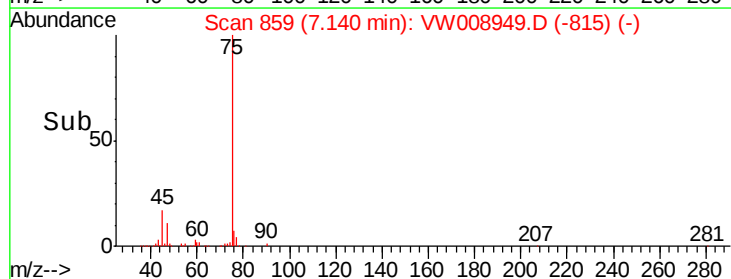
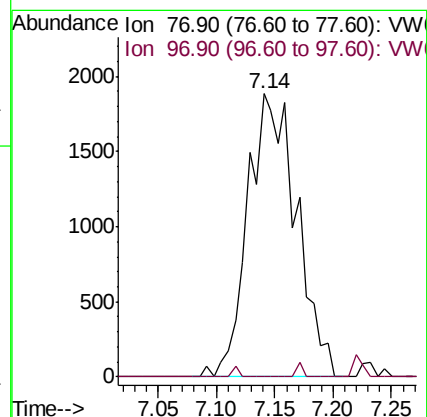
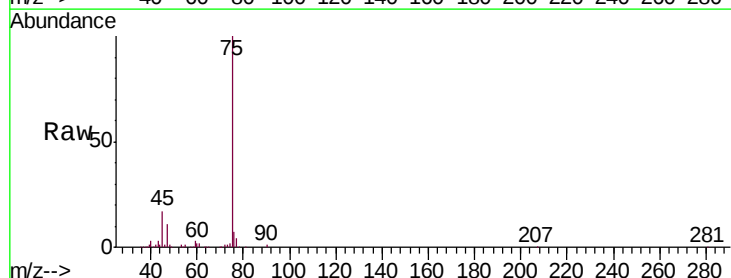
Acq: 02 Mar 2019 05:06

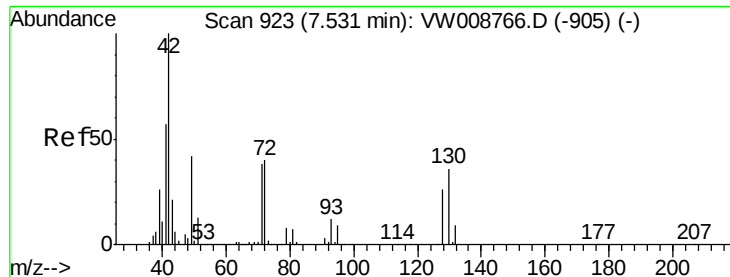
Tgt Ion: 77 Resp: 5457

Ion Ratio Lower Upper

77 100

97 0.0 11.0 33.0#

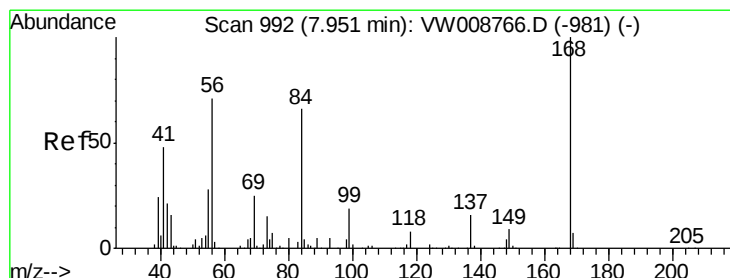
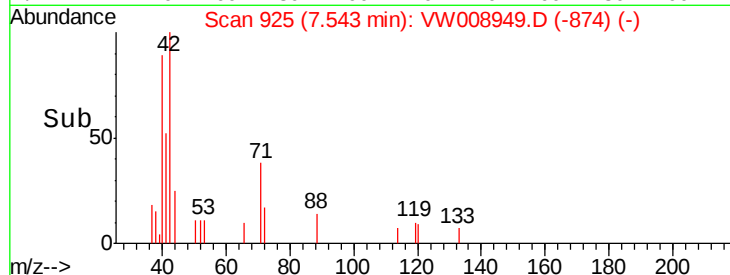
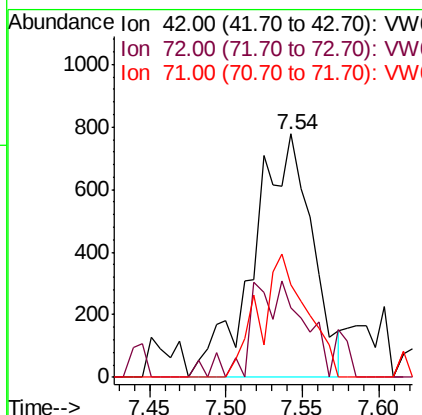
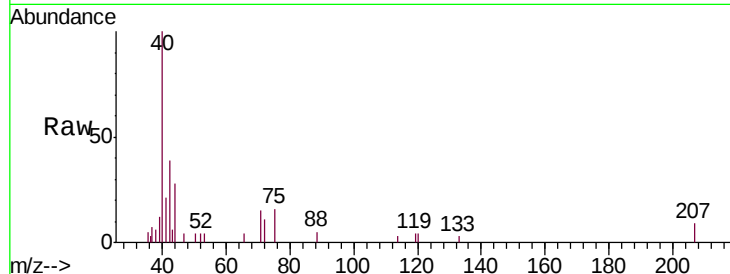




#29
Tetrahydrofuran
Concen: 3.481 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW008949.D
Acq: 02 Mar 2019 05:06

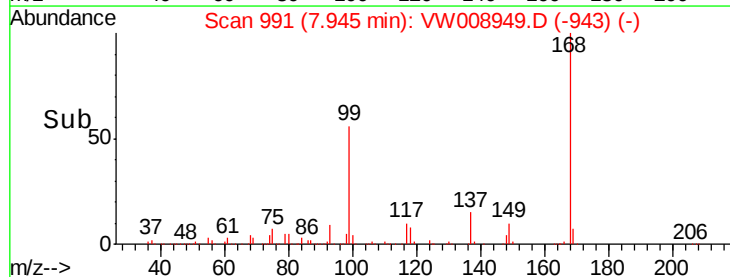
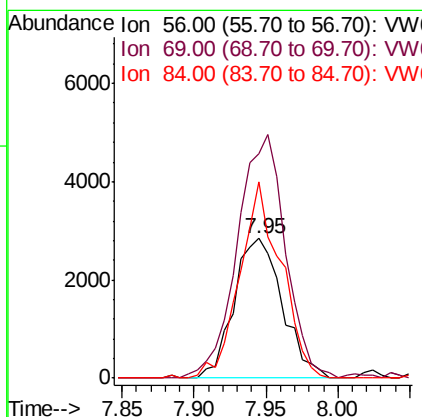
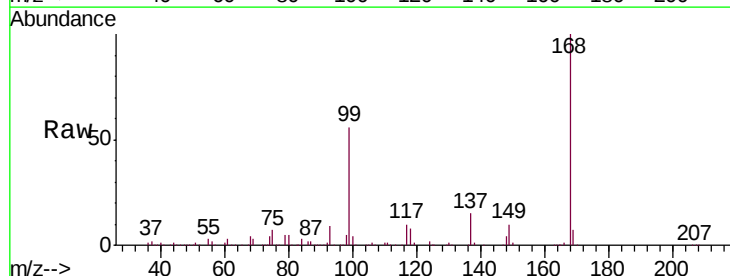
Instrument :
MSVOA_W
ClientSampleId :
Z-3-2-BRE

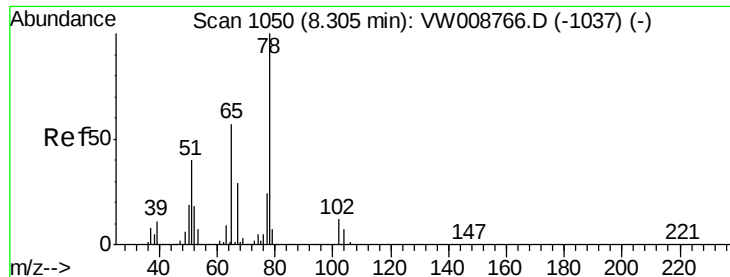
Tgt Ion: 42 Resp: 2067
Ion Ratio Lower Upper
42 100
72 0.0 32.7 49.1#
71 40.3 31.3 46.9



#31
Cyclohexane
Concen: 1.227 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008949.D
Acq: 02 Mar 2019 05:06

Tgt Ion: 56 Resp: 6650
Ion Ratio Lower Upper
56 100
69 160.8 28.2 42.4#
84 140.9 74.1 111.1#

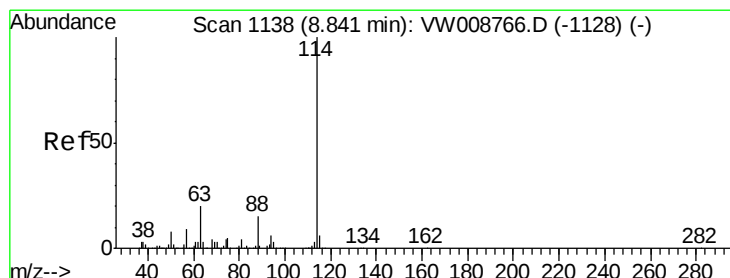
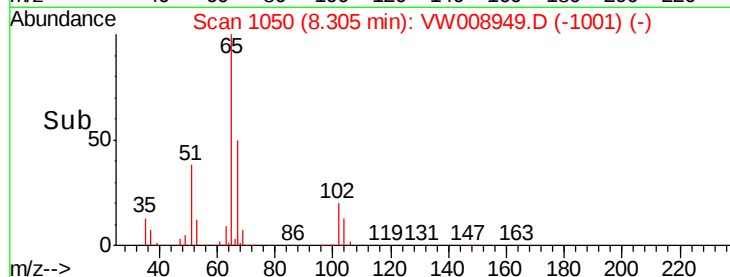
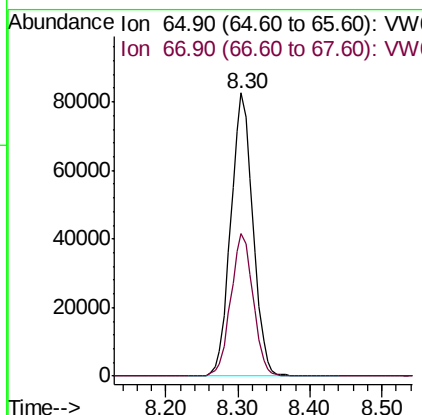
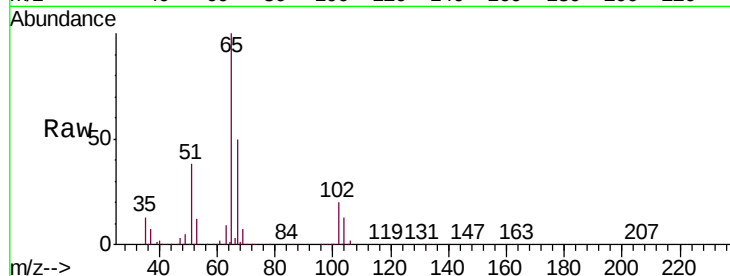




#33
 1,2-Dichloroethane-d4
 Concen: 61.408 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008949.D
 Acq: 02 Mar 2019 05:06

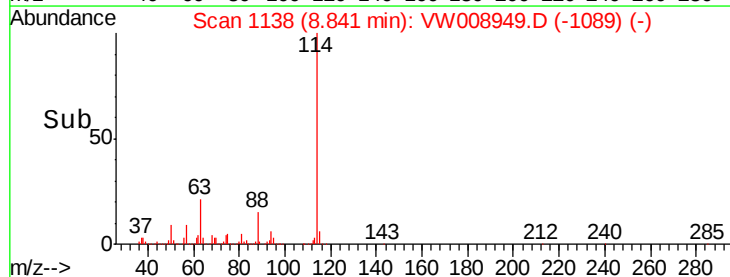
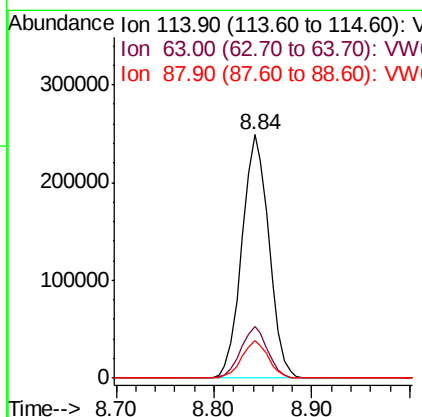
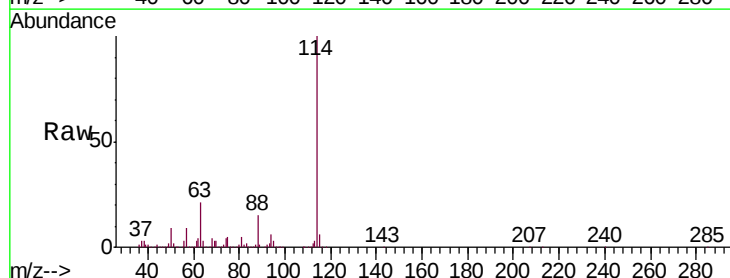
Instrument :
 MSVOA_W
 ClientSampleId :
 Z-3-2-BRE

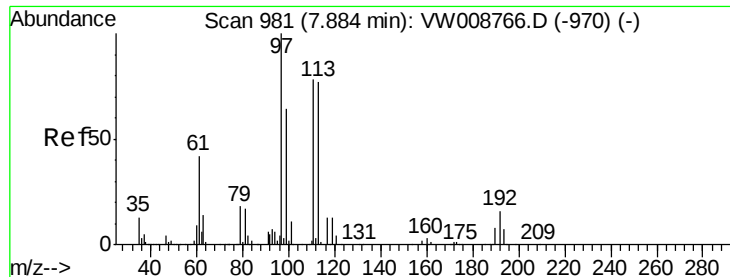
Tgt Ion: 65 Resp: 176572
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008949.D
 Acq: 02 Mar 2019 05:06

Tgt Ion: 114 Resp: 476571
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 40.8
 88 15.2 0.0 30.4





#35

Dibromofluoromethane

Concen: 52.938 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008949.D

Acq: 02 Mar 2019 05:06

Instrument :

MSVOA_W

ClientSampleId :

Z-3-2-BRE

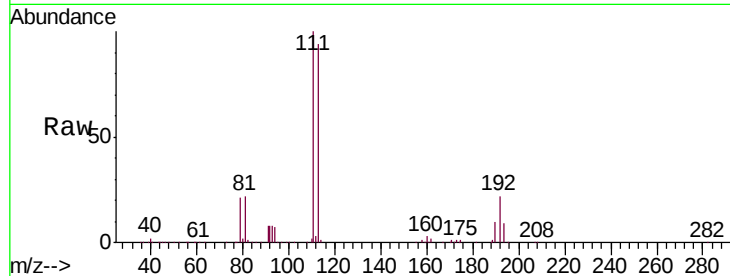
Tgt Ion:113 Resp: 151476

Ion Ratio Lower Upper

113 100

111 102.8 81.9 122.9

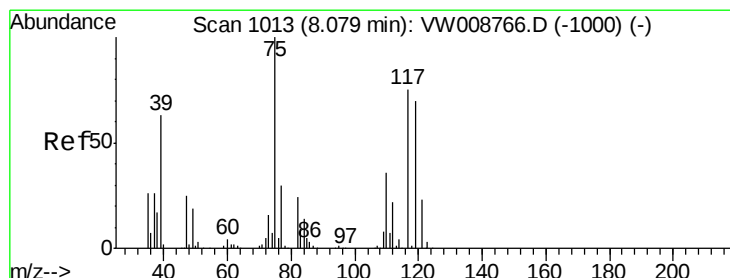
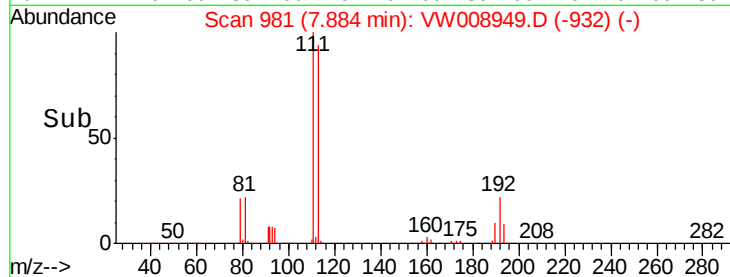
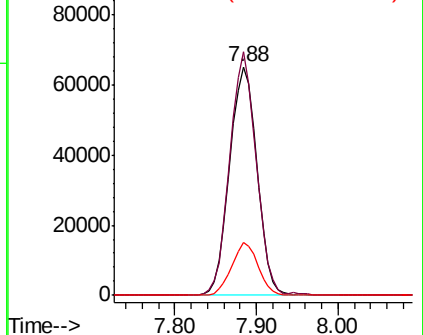
192 22.2 17.1 25.7



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: 5.000 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW008949.D

Acq: 02 Mar 2019 05:06

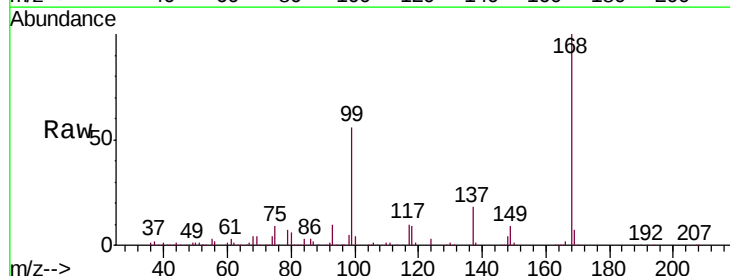
Tgt Ion: 75 Resp: 23196

Ion Ratio Lower Upper

75 100

110 8.8 17.5 52.6#

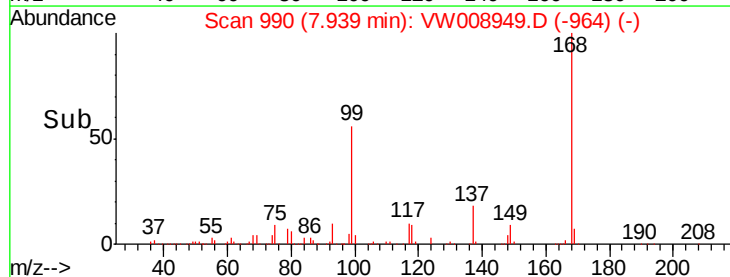
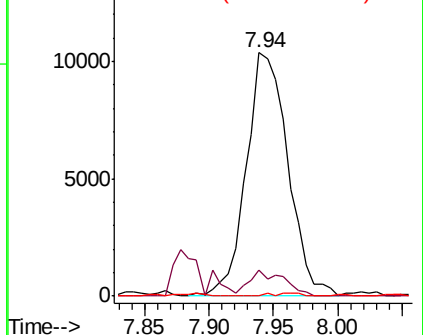
77 0.0 24.5 36.7#

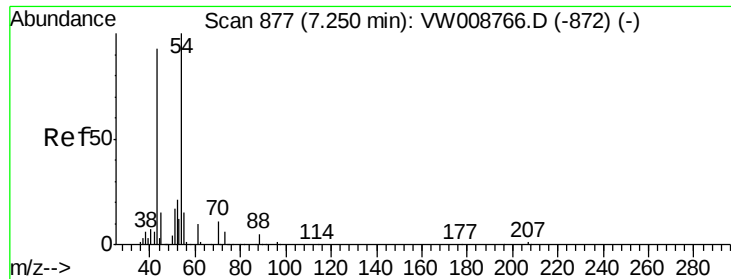


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

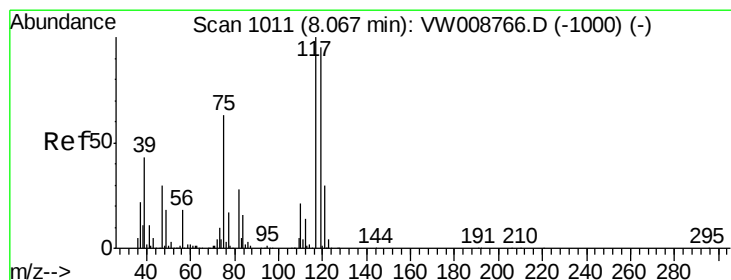
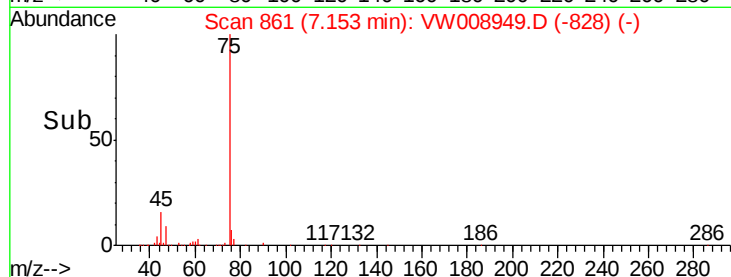
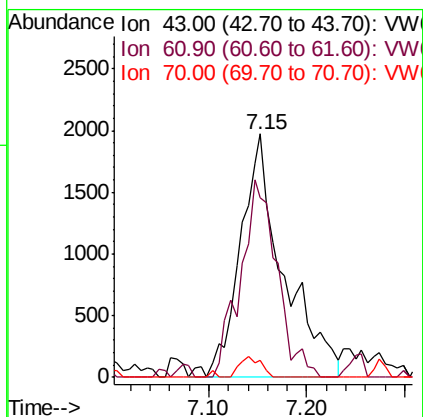
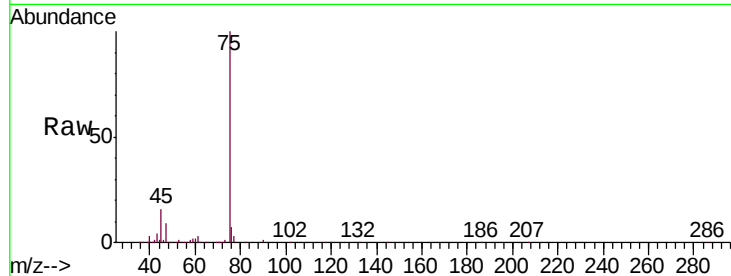




#37
Ethyl Acetate
Concen: 2.809 ug/l
RT: 7.15 min Scan# 861
Delta R.T. -0.10 min
Lab File: VW008949.D
Acq: 02 Mar 2019 05:06

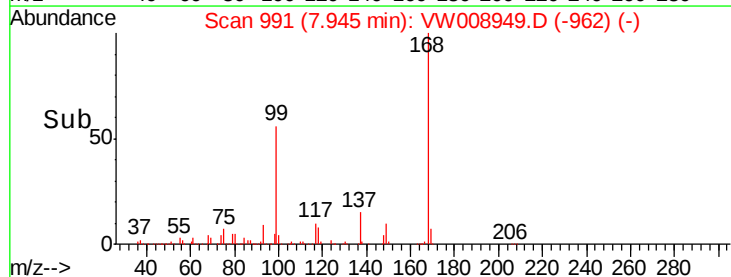
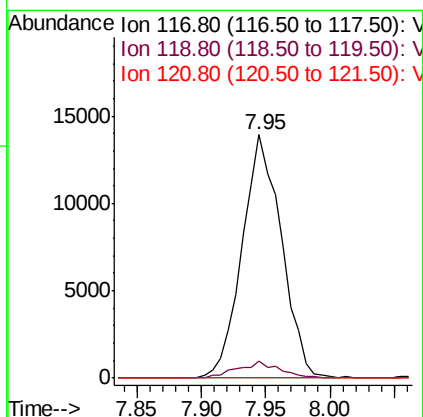
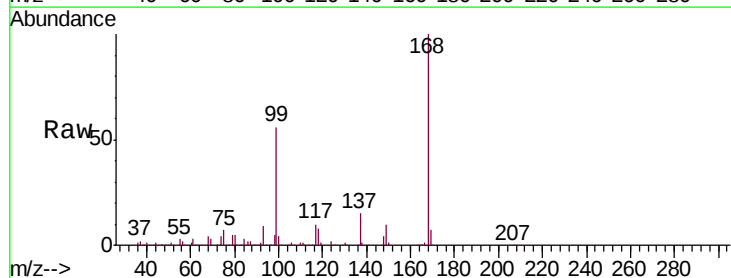
Instrument :
MSVOA_W
ClientSampled :
Z-3-2-BRE

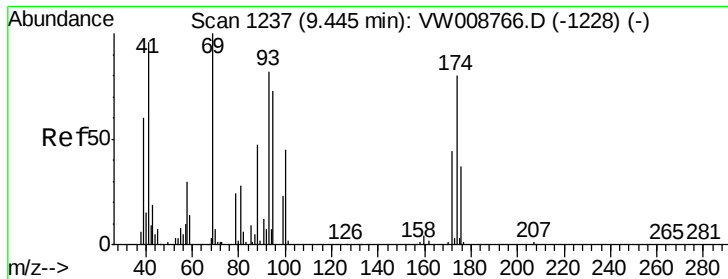
Tgt Ion: 43 Resp: 6060
Ion Ratio Lower Upper
43 100
61 68.5 9.8 14.8#
70 4.2 8.4 12.6#



#38
Carbon Tetrachloride
Concen: 6.014 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW008949.D
Acq: 02 Mar 2019 05:06

Tgt Ion: 117 Resp: 29424
Ion Ratio Lower Upper
117 100
119 6.8 76.1 114.1#
121 0.0 24.0 36.0#

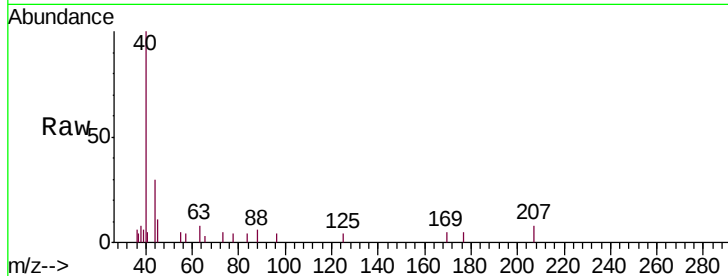




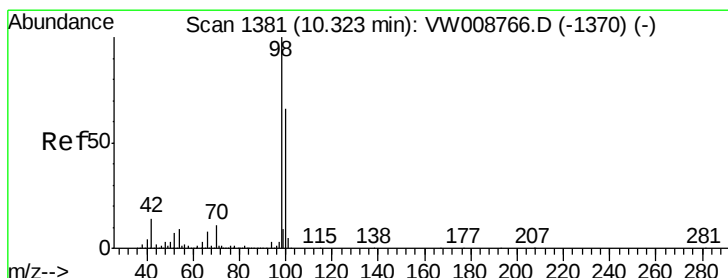
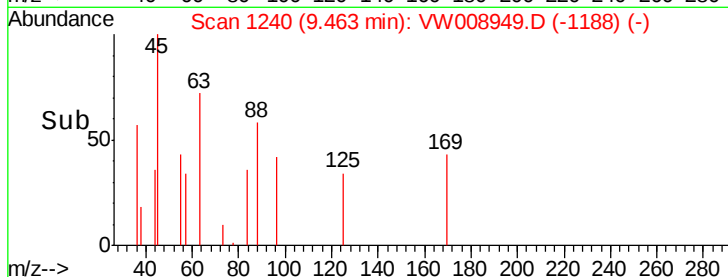
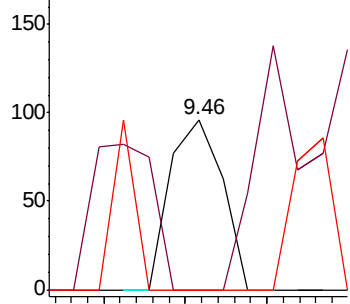
#49
1,4-Dioxane
Concen: 3.085 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. 0.02 min
Lab File: VW008949.D
Acq: 02 Mar 2019 05:06

Instrument :
MSVOA_W
ClientSampled :
Z-3-2-BRE

Tgt Ion: 88 Resp: 86
Ion Ratio Lower Upper
88 100
43 101.2 29.0 43.4#
58 40.7 52.0 78.0#

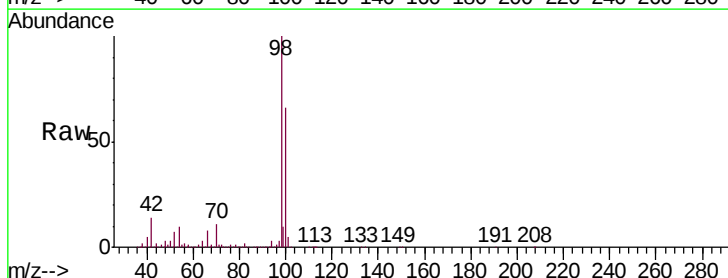


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

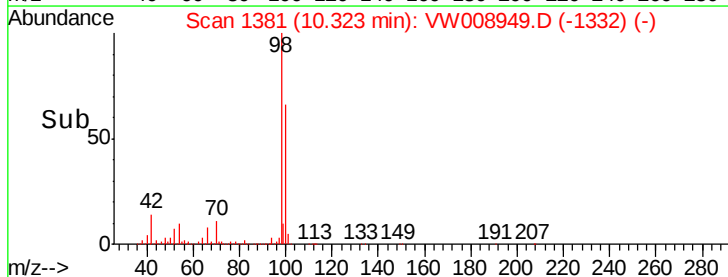
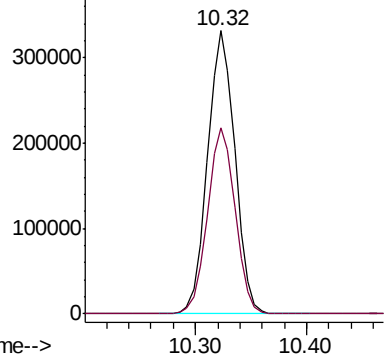


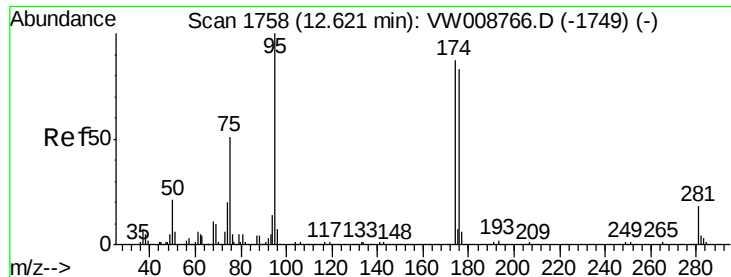
#50
Toluene-d8
Concen: 51.071 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008949.D
Acq: 02 Mar 2019 05:06

Tgt Ion: 98 Resp: 564123
Ion Ratio Lower Upper
98 100
100 66.2 52.4 78.6



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





#62

4-Bromofluorobenzene

Concen: 43.398 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008949.D

Acq: 02 Mar 2019 05:06

Instrument :

MSVOA_W

ClientSampleId :

Z-3-2-BRE

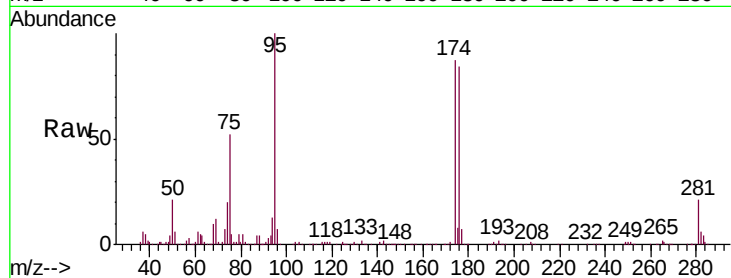
Tgt Ion: 95 Resp: 187690

Ion Ratio Lower Upper

95 100

174 88.2 0.0 169.2

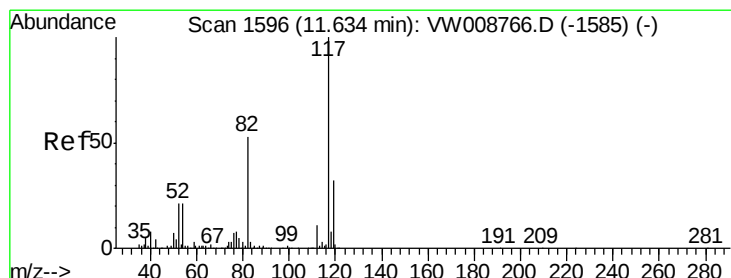
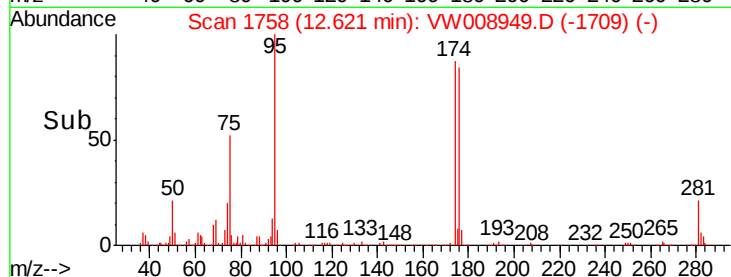
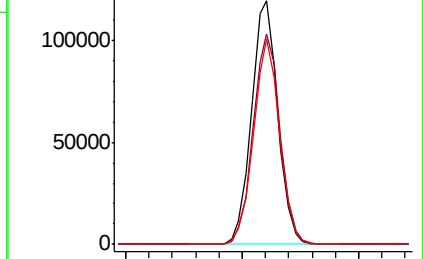
176 83.6 0.0 163.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW008949.D

Acq: 02 Mar 2019 05:06

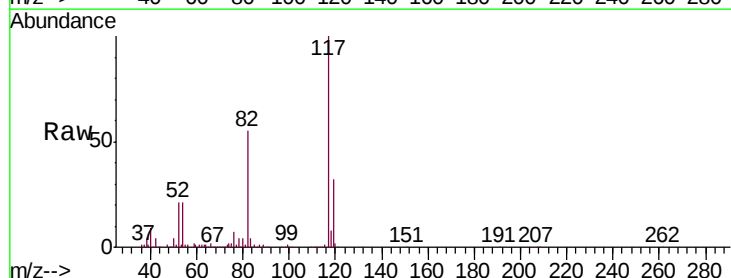
Tgt Ion: 117 Resp: 425422

Ion Ratio Lower Upper

117 100

82 54.5 42.2 63.4

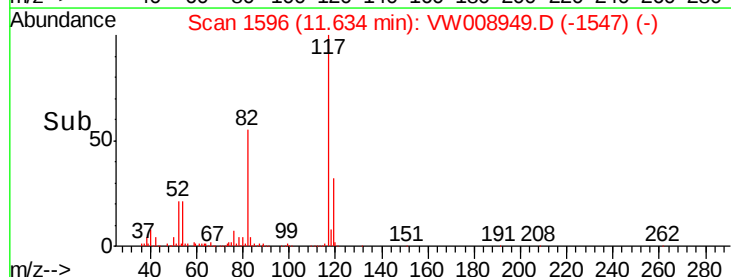
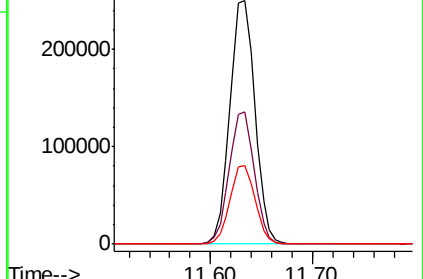
119 32.1 25.9 38.9

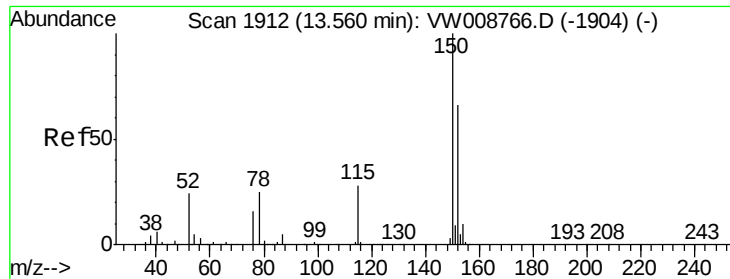


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW



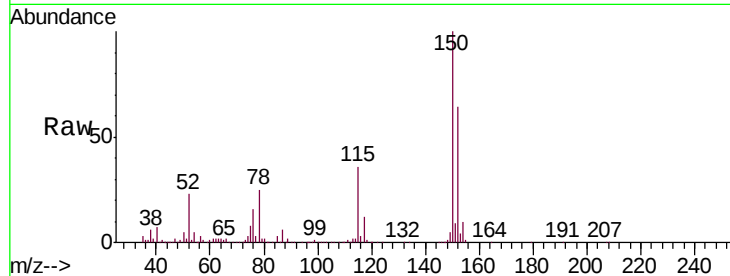


#72

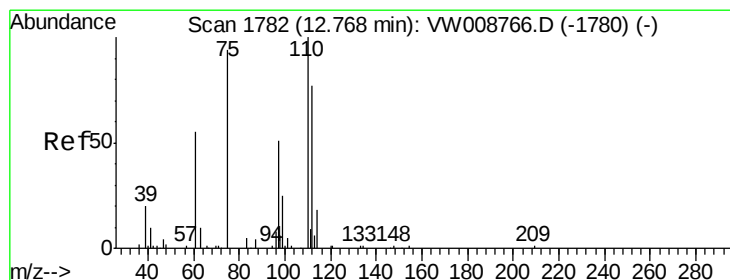
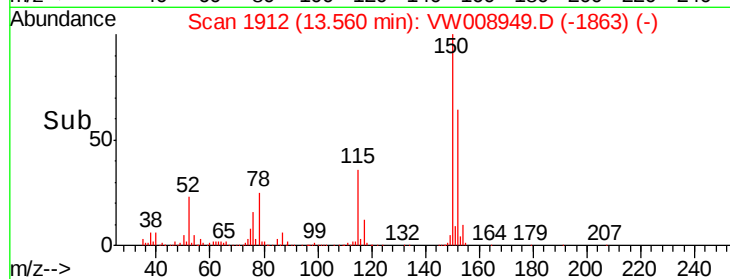
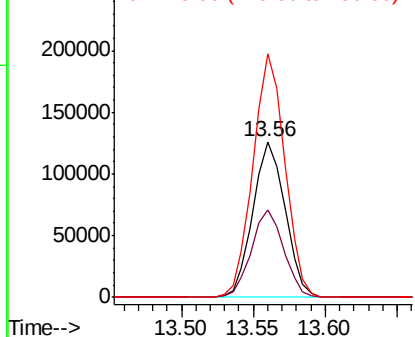
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008949.D
Acq: 02 Mar 2019 05:06

Instrument :
MSVOA_W
ClientSampled :
Z-3-2-BRE

Tgt Ion: 152 Resp: 195402
Ion Ratio Lower Upper
152 100
115 56.3 28.6 85.8
150 154.1 0.0 348.0



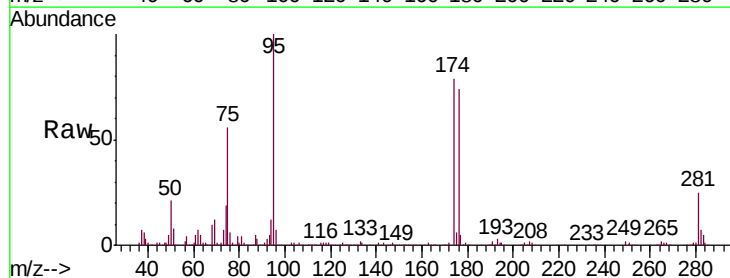
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



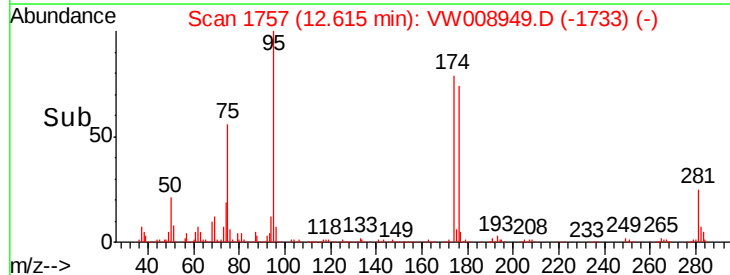
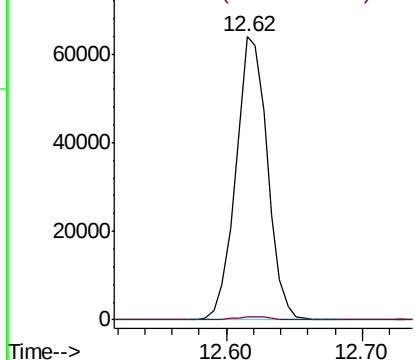
#76

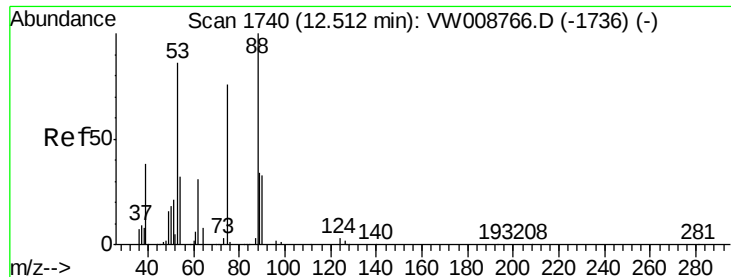
1,2,3-Trichloropropane
Concen: 63.883 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW008949.D
Acq: 02 Mar 2019 05:06

Tgt Ion: 75 Resp: 103062
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: 155.303 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW008949.D

Acq: 02 Mar 2019 05:06

Instrument :

MSVOA_W

ClientSampleId :

Z-3-2-BRE

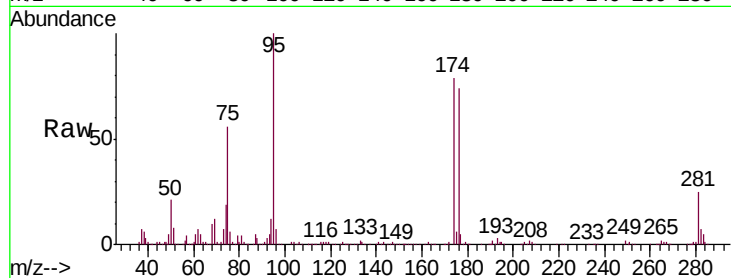
Tgt Ion: 75 Resp: 103062

Ion Ratio Lower Upper

75 100

53 0.2 88.2 132.2#

89 0.6 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

