

Data File : VW009029.D
Acq On : 06 Mar 2019 21:31
Operator : SY/VA
Sample : K1760-15
Misc : 2.91G/5ML/MSVOA_W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
Z2-11

Quant Time: Mar 07 07:29:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030619S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 07 07:22:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	65459	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	92134	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	84747	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	32610	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	36430	55.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.94%	
35) Dibromofluoromethane	7.88	113	29148	52.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.10%	
50) Toluene-d8	10.32	98	112105	49.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.36%	
62) 4-Bromofluorobenzene	12.62	95	34816	39.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.10%	

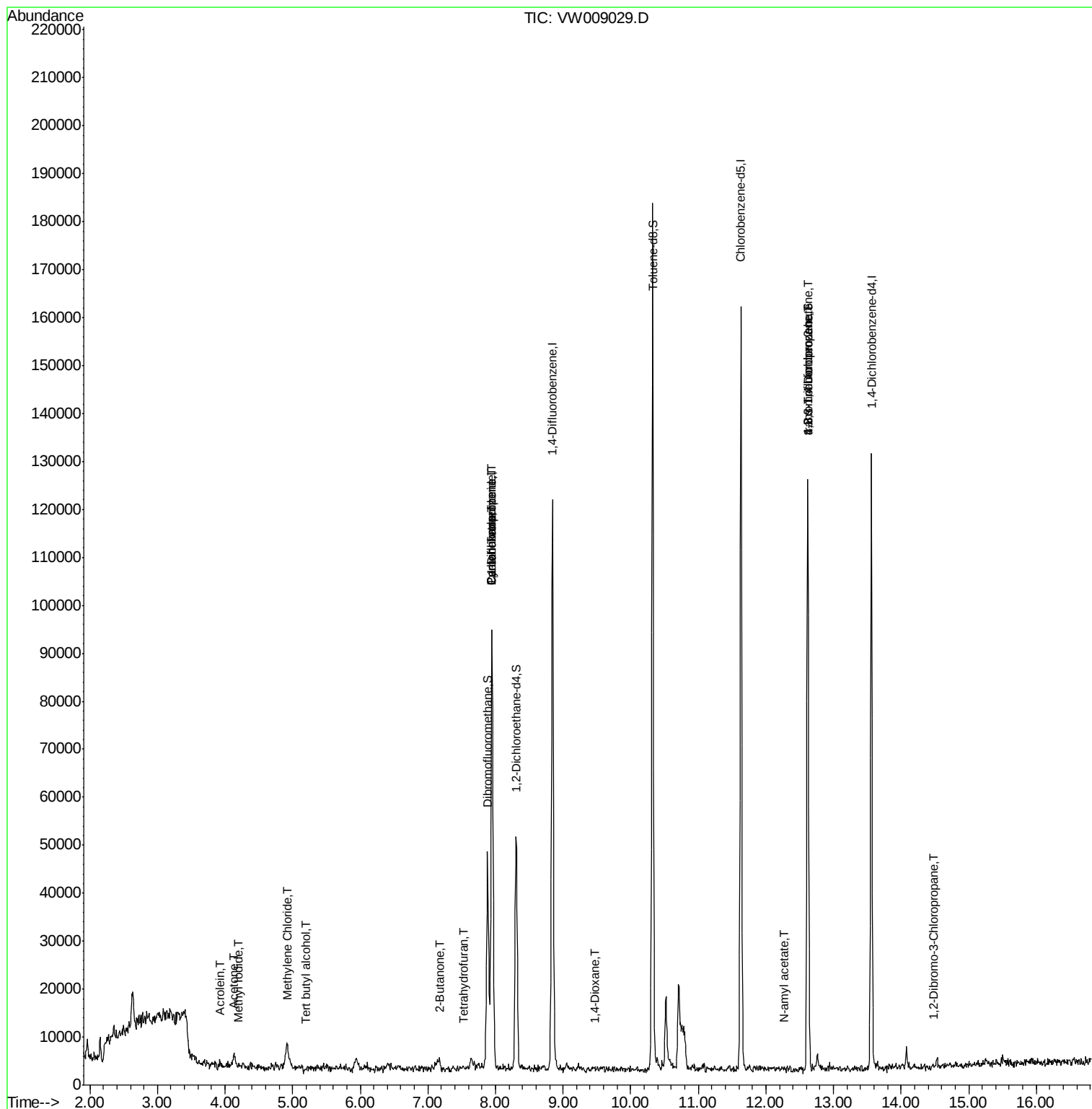
Target Compounds				Qvalue		
10) Methyl Iodide	4.19	142	20	5.660	ug/l #	1
11) Tert butyl alcohol	5.18	59	94	1.997	ug/l #	57
13) Acrolein	3.92	56	146	2.711	ug/l #	14
16) Acetone	4.13	43	5724	42.436	ug/l	91
20) Methylene Chloride	4.92	84	3767	3.523	ug/l #	90
25) 2-Butanone	7.16	43	399	2.079	ug/l #	50
29) Tetrahydrofuran	7.54	42	209	1.734	ug/l #	35
31) Cyclohexane	7.94	56	2125	1.801	ug/l #	39
36) 1,1-Dichloropropene	7.95	75	5021	5.481	ug/l #	59
38) Carbon Tetrachloride	7.95	117	6563	6.923	ug/l #	15
49) 1,4-Dioxane	9.46	88	19	4.113	ug/l #	15
74) N-amyl acetate	12.27	43	162	4.467	ug/l #	73
76) 1,2,3-Trichloropropane	12.62	75	18205	70.438	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	18205	142.801	ug/l #	6
92) 1,2-Dibromo-3-Chloropropan	14.48	75	84	1.320	ug/l #	2

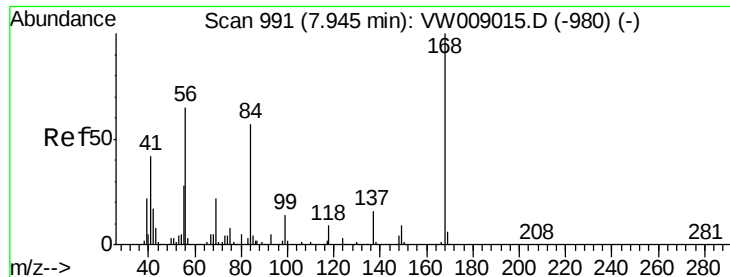
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW009029.D

Acq: 06 Mar 2019 21:31

Instrument :

MSVOA_W

ClientSampleId :

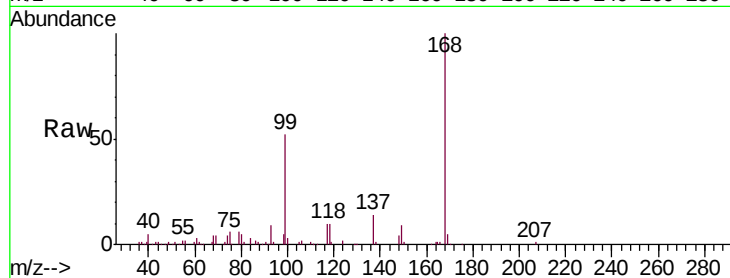
Z2-11

Tgt Ion:168 Resp: 65459

Ion Ratio Lower Upper

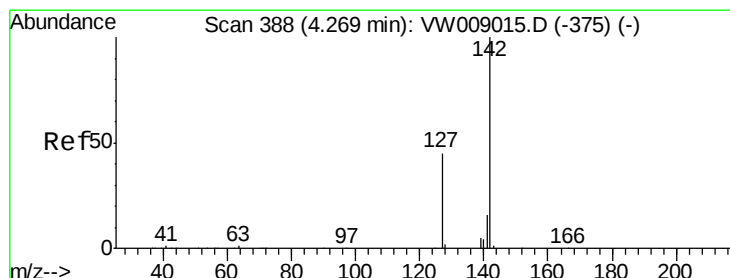
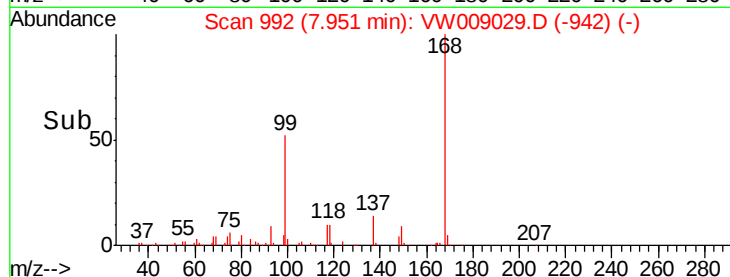
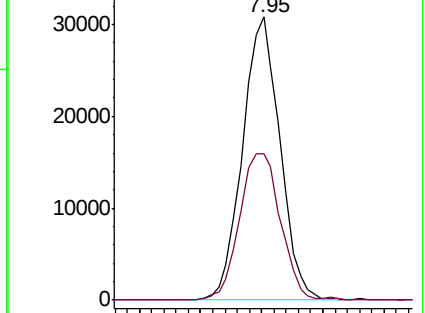
168 100

99 51.6 43.5 65.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#10

Methyl Iodide

Concen: 5.660 ug/l

RT: 4.19 min Scan# 375

Delta R.T. -0.08 min

Lab File: VW009029.D

Acq: 06 Mar 2019 21:31

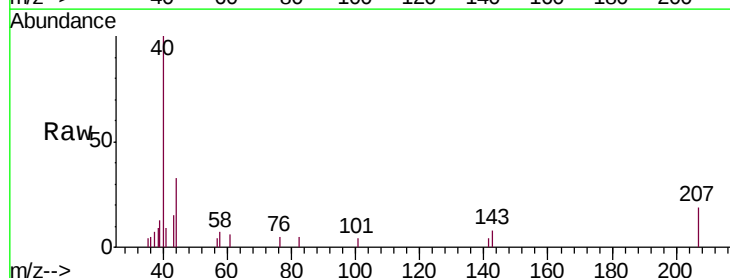
Tgt Ion:142 Resp: 20

Ion Ratio Lower Upper

142 100

127 0.0 36.2 54.2#

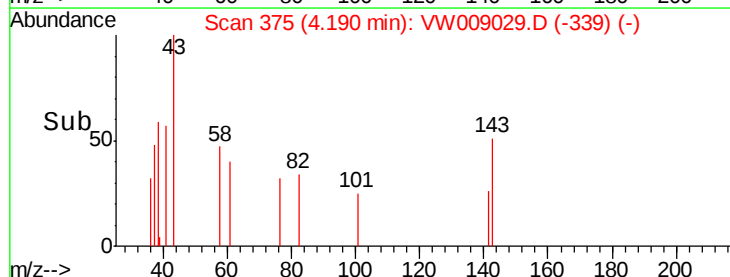
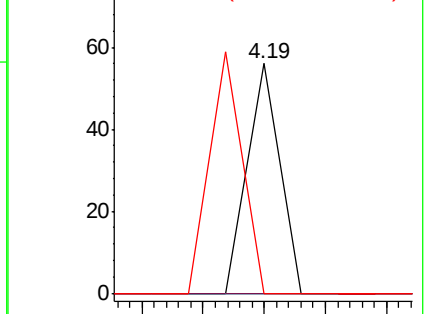
141 110.0 12.3 18.5#

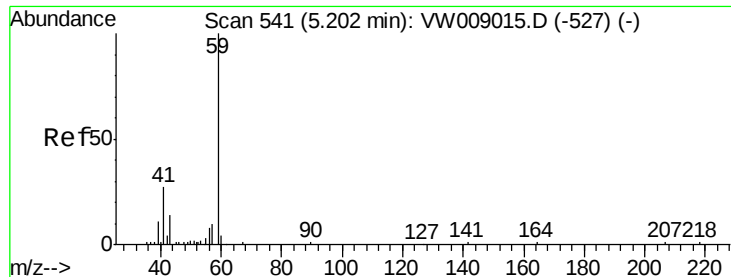


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



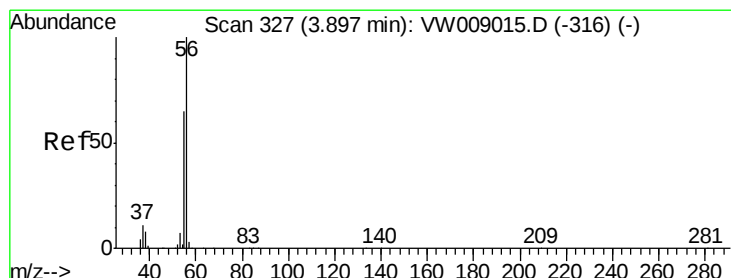
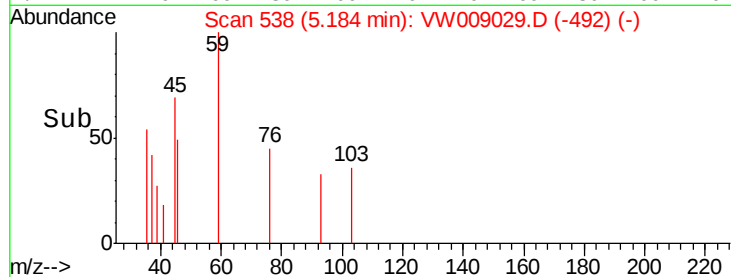
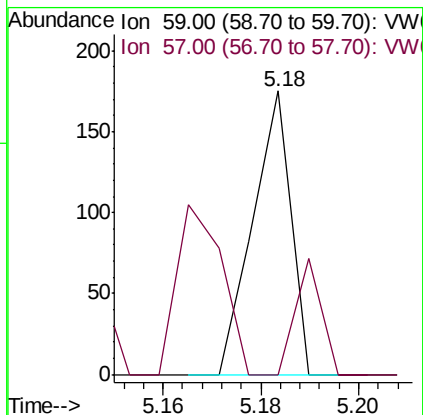
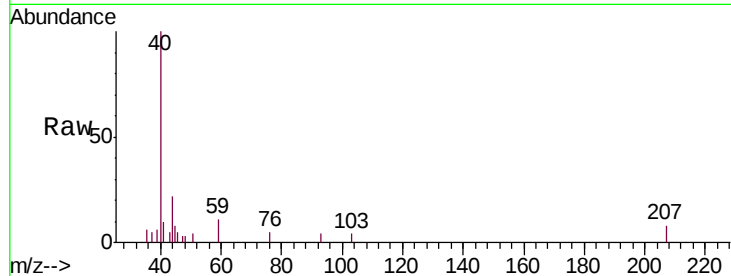


#11

Tert butyl alcohol
 Concen: 1.997 ug/l
 RT: 5.18 min Scan# 538
 Delta R.T. -0.02 min
 Lab File: VW009029.D
 Acq: 06 Mar 2019 21:31

Instrument :
 MSVOA_W
 ClientSampled :
 Z2-11

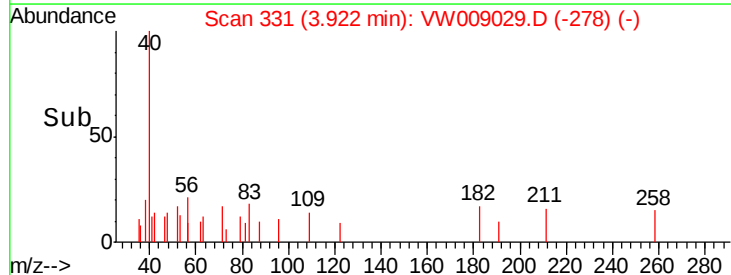
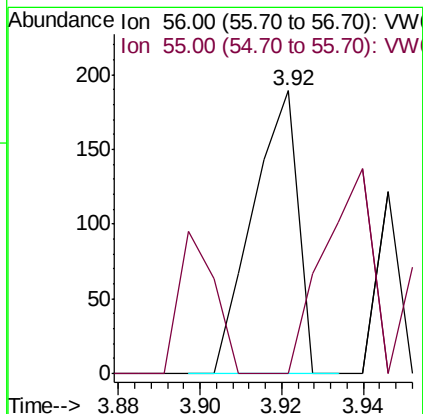
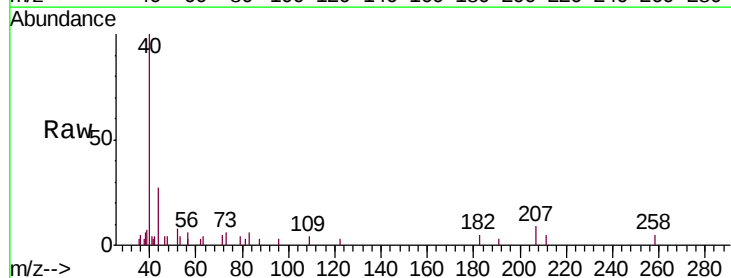
Tgt Ion: 59 Resp: 94
 Ion Ratio Lower Upper
 59 100
 57 27.7 9.0 13.6#

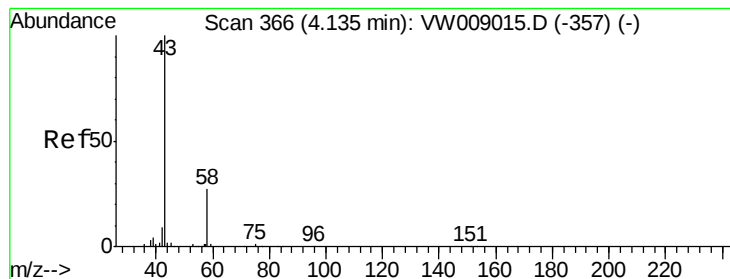


#13

Acrolein
 Concen: 2.711 ug/l
 RT: 3.92 min Scan# 331
 Delta R.T. 0.02 min
 Lab File: VW009029.D
 Acq: 06 Mar 2019 21:31

Tgt Ion: 56 Resp: 146
 Ion Ratio Lower Upper
 56 100
 55 0.0 57.1 85.7#





#16

Acetone

Concen: 42.436 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW009029.D

Acq: 06 Mar 2019 21:31

Instrument :

MSVOA_W

ClientSampled :

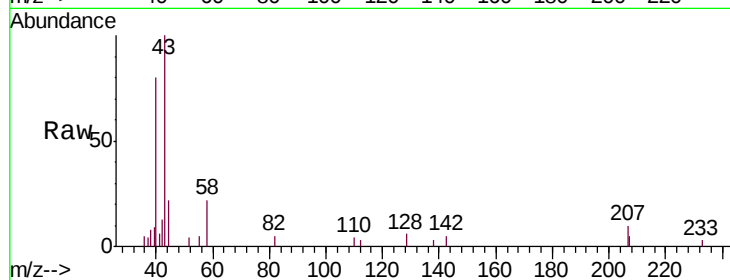
Z2-11

Tgt Ion: 43 Resp: 5724

Ion Ratio Lower Upper

43 100

58 22.2 21.6 32.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

2000

1500

1000

500

0

4.05

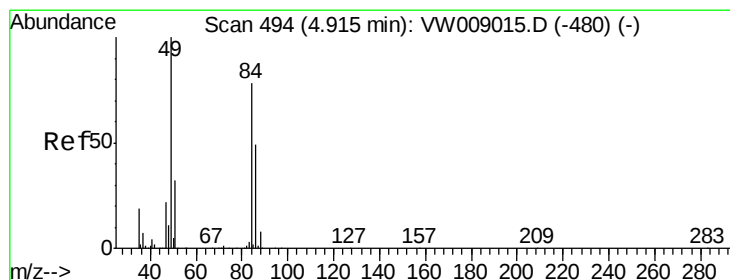
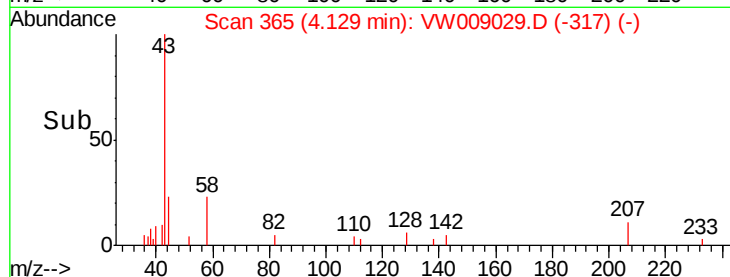
4.10

4.15

4.20

4.25

Time-->



#20

Methylene Chloride

Concen: 3.523 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW009029.D

Acq: 06 Mar 2019 21:31

Tgt Ion: 84 Resp: 3767

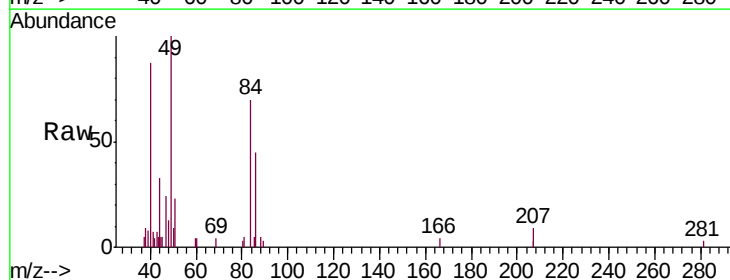
Ion Ratio Lower Upper

84 100

49 143.5 102.8 154.2

51 32.3 32.4 48.6#

86 65.3 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

4.92

2500

2000

1500

1000

500

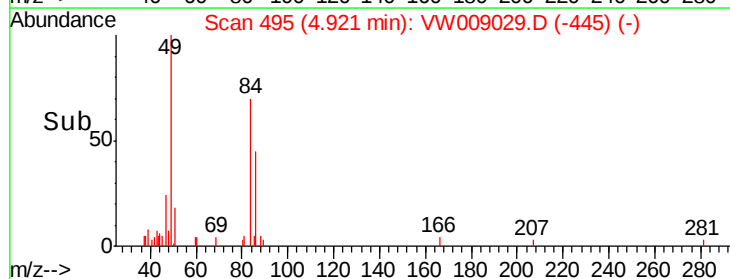
0

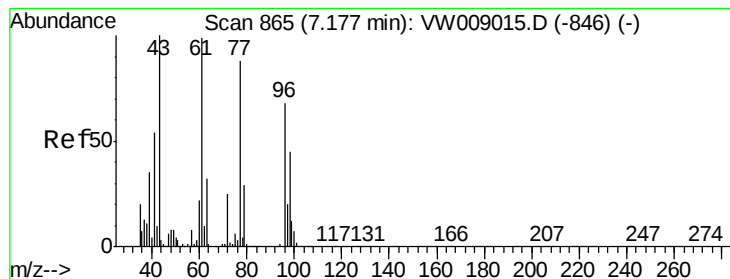
4.80

4.90

5.00

Time-->





#25

2-Butanone

Concen: 2.079 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW009029.D

Acq: 06 Mar 2019 21:31

Instrument :

MSVOA_W

ClientSampled :

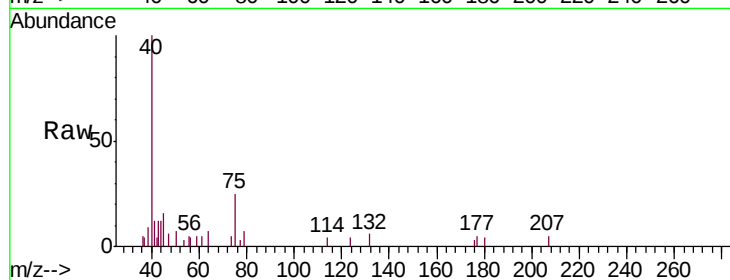
Z2-11

Tgt Ion: 43 Resp: 399

Ion Ratio Lower Upper

43 100

72 0.0 20.2 30.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.16

200

150

100

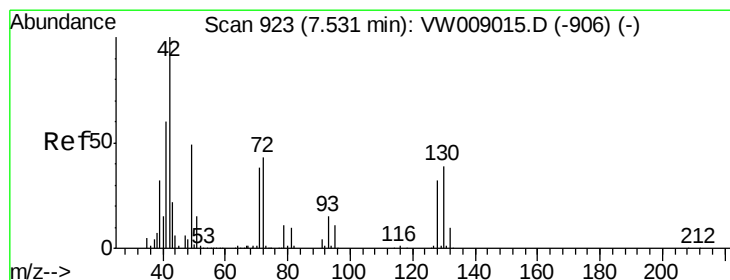
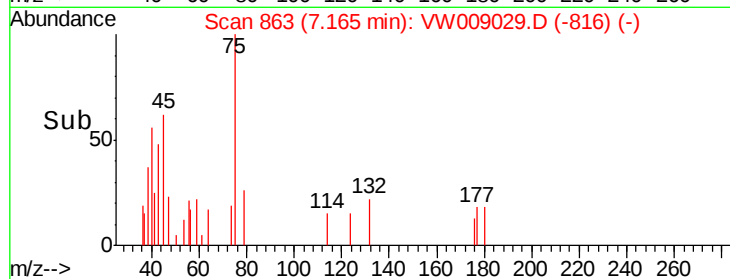
50

0

7.15

7.20

Time-->



#29

Tetrahydrofuran

Concen: 1.734 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW009029.D

Acq: 06 Mar 2019 21:31

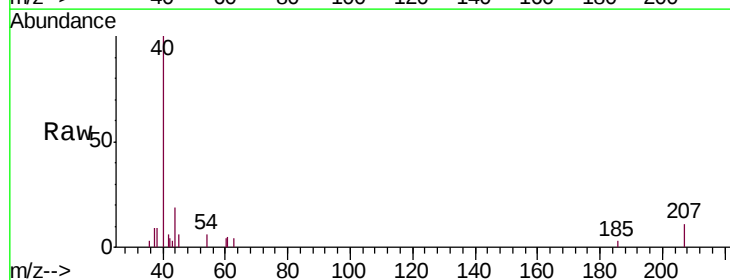
Tgt Ion: 42 Resp: 209

Ion Ratio Lower Upper

42 100

72 0.0 32.5 48.7#

71 0.0 31.6 47.4#



Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW

7.54

250

200

150

100

50

0

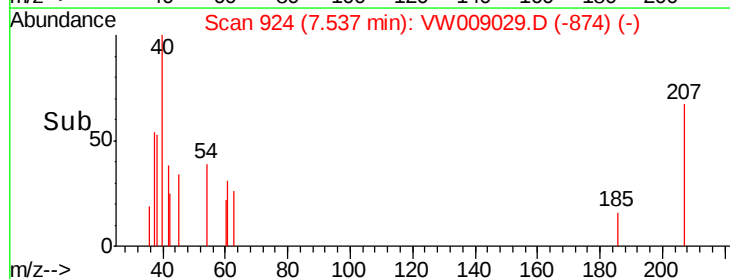
7.50

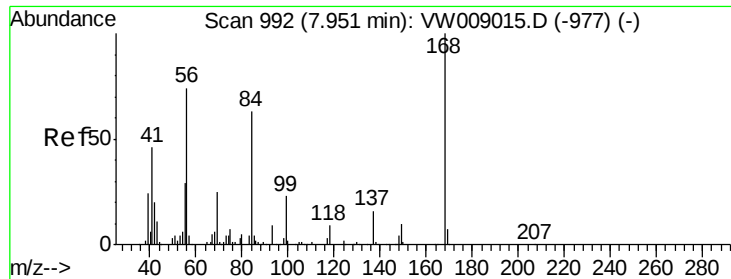
7.52

7.54

7.56

Time-->

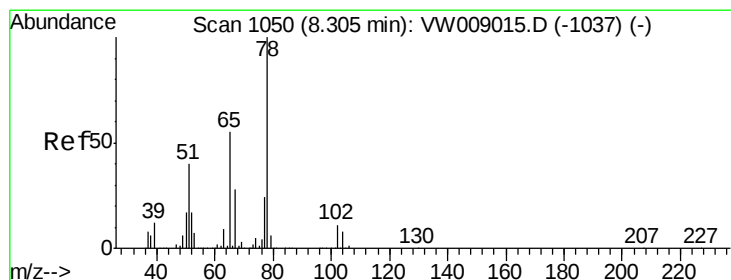
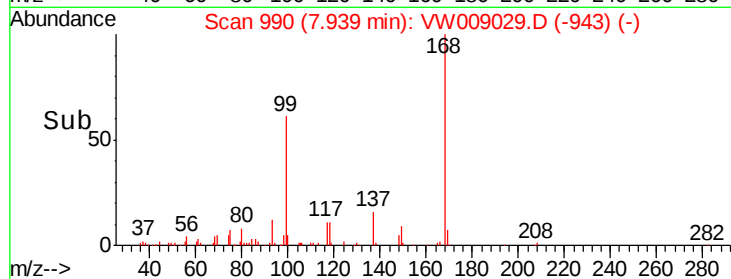
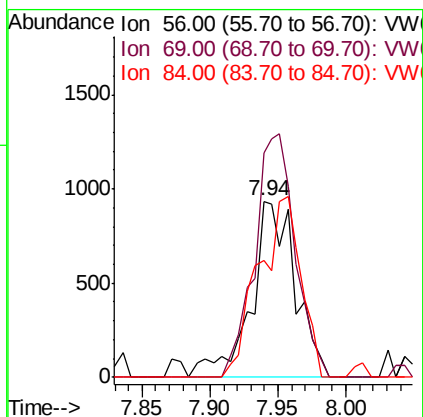
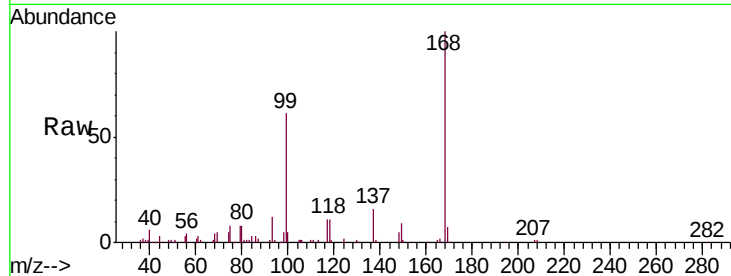




#31
Cyclohexane
Concen: 1.801 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW009029.D
Acq: 06 Mar 2019 21:31

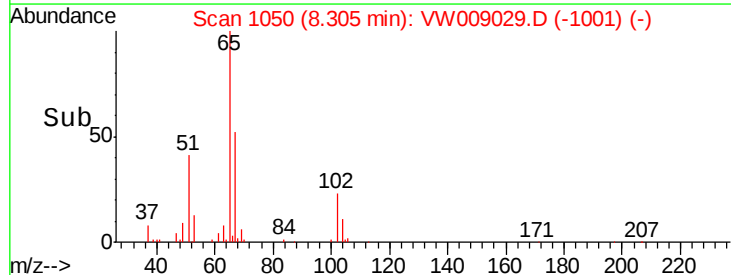
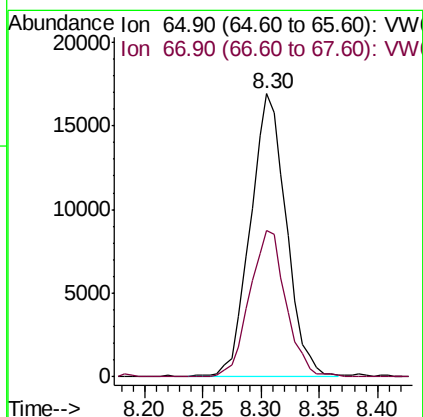
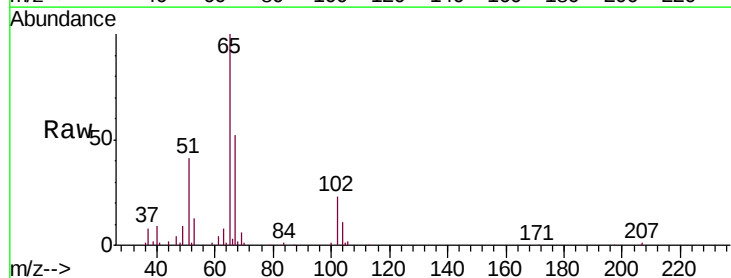
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MSVOA_W
ClientSampleId :
Z2-11

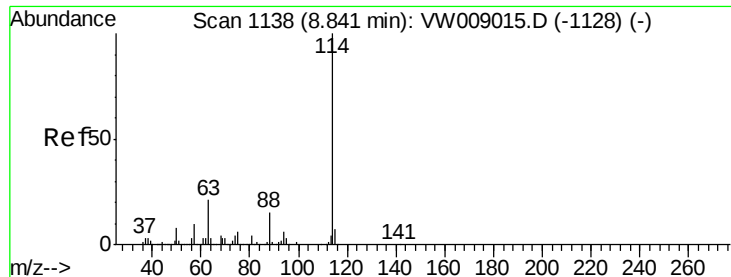
Tgt Ion: 56 Resp: 2125
Ion Ratio Lower Upper
56 100
69 127.3 27.0 40.4#
84 66.5 68.3 102.5#



#33
1,2-Dichloroethane-d4
Concen: 55.474 ug/l
RT: 8.30 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW009029.D
Acq: 06 Mar 2019 21:31

Tgt Ion: 65 Resp: 36430
Ion Ratio Lower Upper
65 100
67 52.1 0.0 102.2

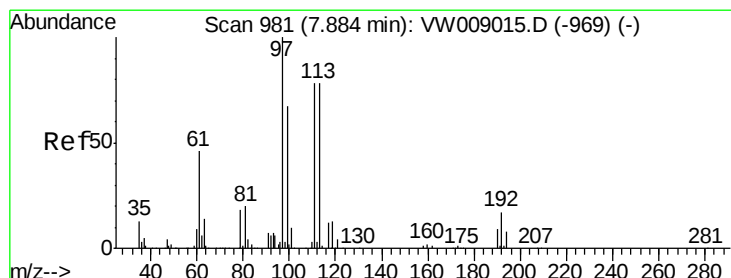
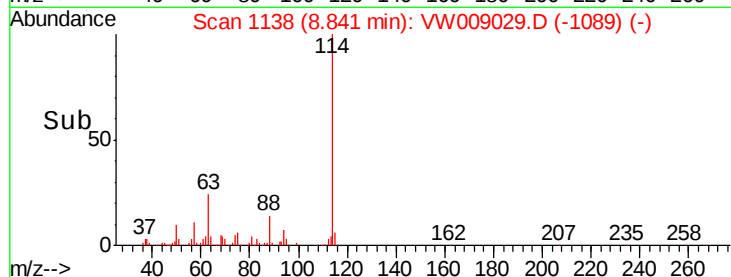
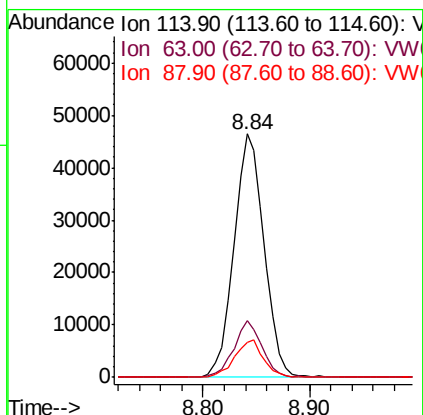
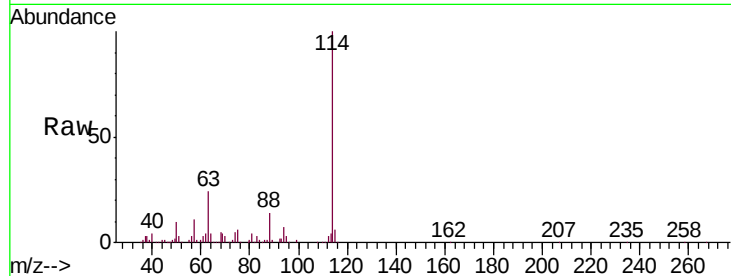




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW009029.D
 Acq: 06 Mar 2019 21:31

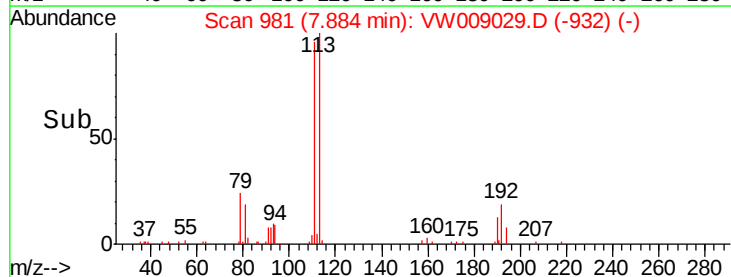
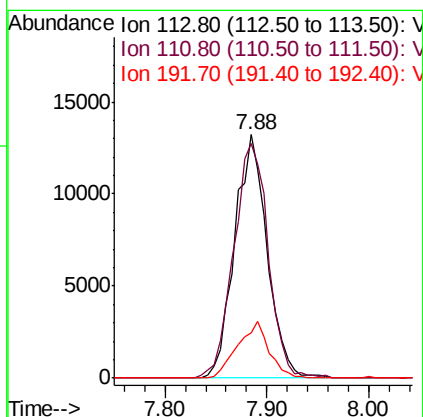
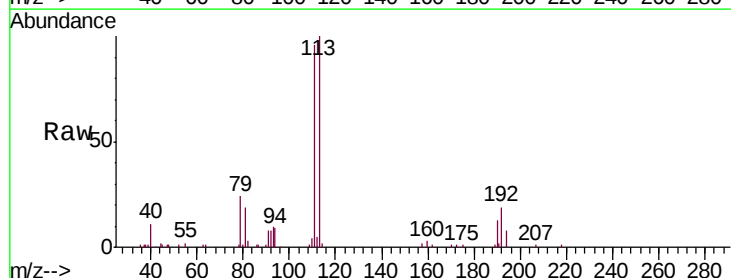
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 MSVOA_W
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 Z2-11

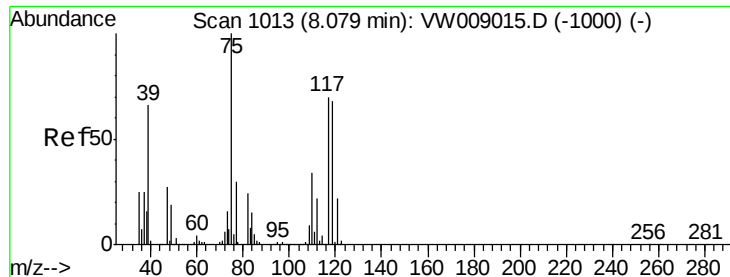
Tgt Ion:114 Resp: 92134
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 42.4
 88 14.4 0.0 30.8



#35
 Dibromofluoromethane
 Concen: 52.554 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW009029.D
 Acq: 06 Mar 2019 21:31

Tgt Ion:113 Resp: 29148
 Ion Ratio Lower Upper
 113 100
 111 102.6 80.5 120.7
 192 22.3 16.7 25.1

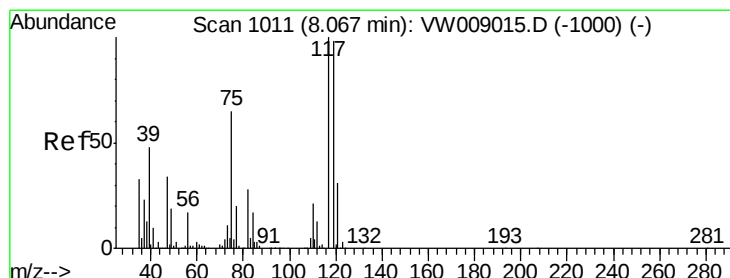
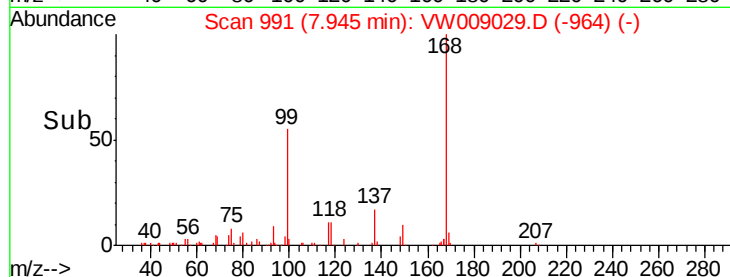
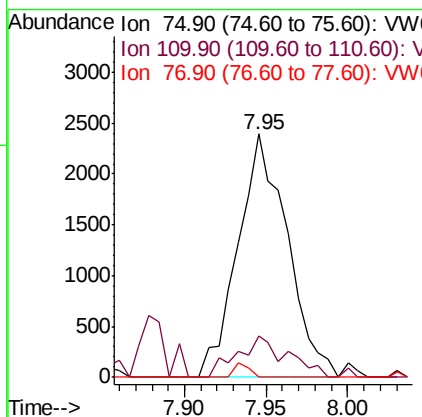
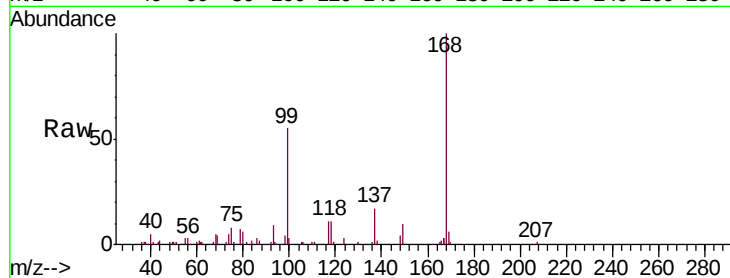




#36
 1,1-Dichloropropene
 Concen: 5.481 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW009029.D
 Acq: 06 Mar 2019 21:31

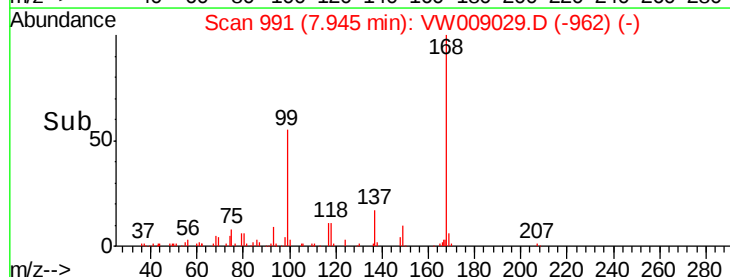
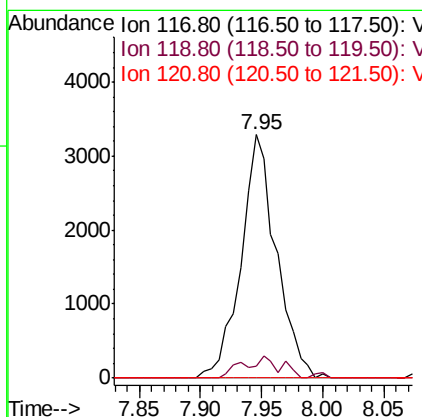
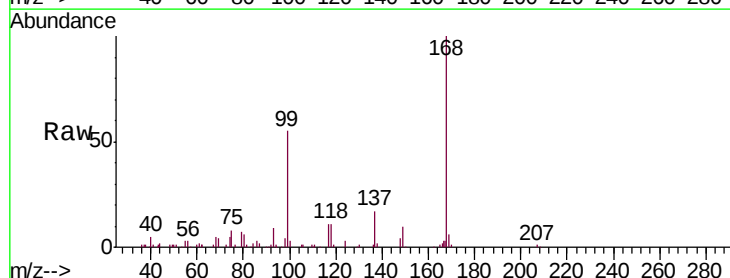
Instrument :
 MSVOA_W
 ClientSampleId :
 Z2-11

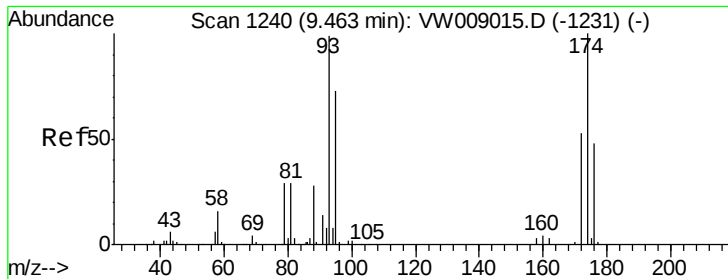
Tgt Ion	Ratio	Lower	Upper
75	100		
110	17.3	17.3	51.9#
77	1.7	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.923 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW009029.D
 Acq: 06 Mar 2019 21:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.7	78.4	117.6#
121	0.0	24.7	37.1#





#49

1,4-Dioxane

Concen: 4.113 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VW009029.D

Acq: 06 Mar 2019 21:31

Instrument :

MSVOA_W

ClientSampleId :

Z2-11

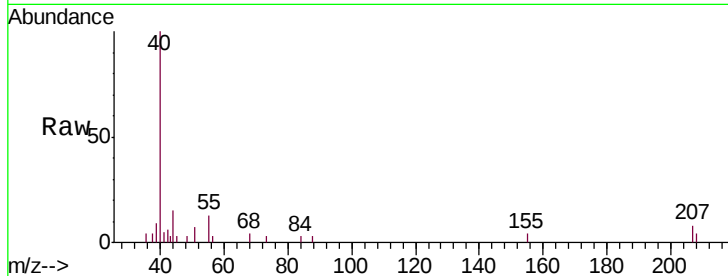
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 836.8 0.0 0.0#

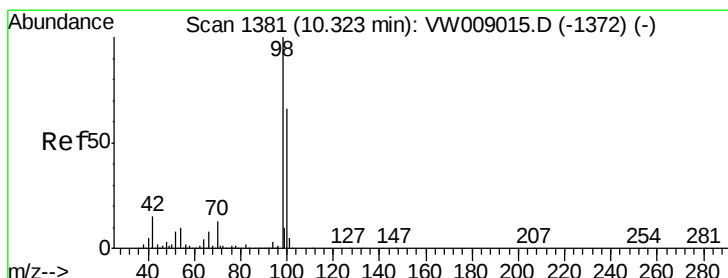
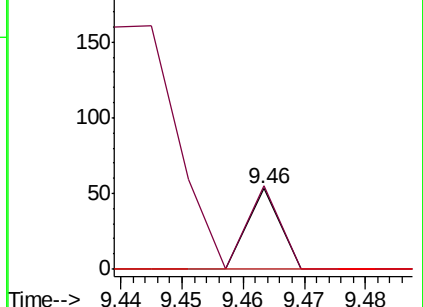
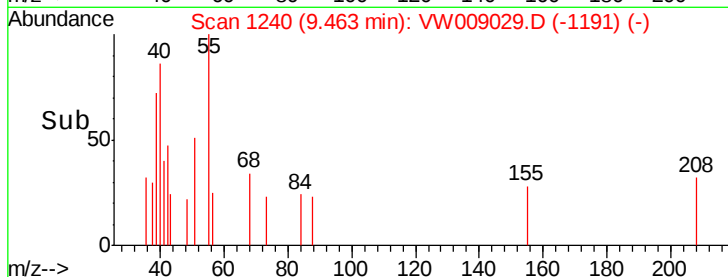
58 0.0 55.0 82.6#



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: 49.185 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW009029.D

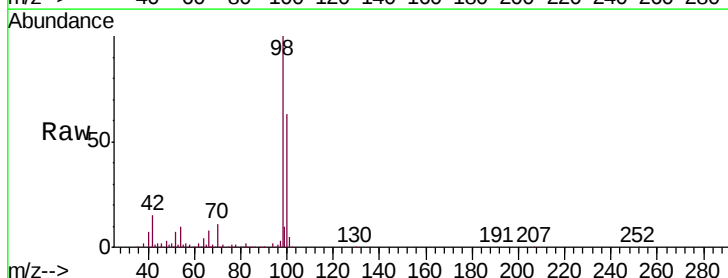
Acq: 06 Mar 2019 21:31

Tgt Ion: 98 Resp: 112105

Ion Ratio Lower Upper

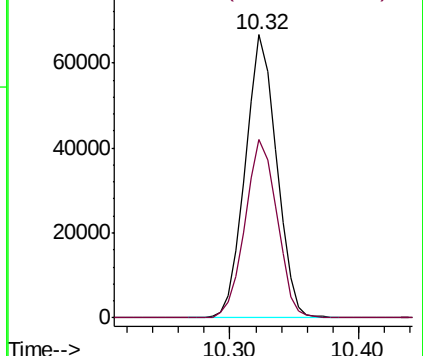
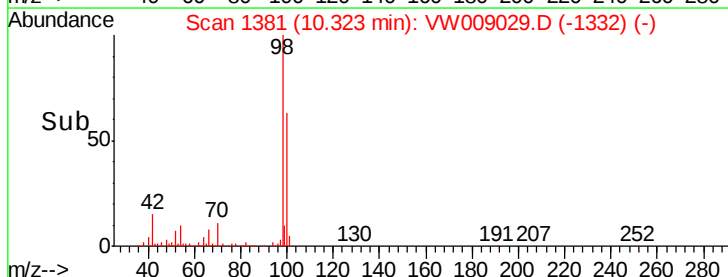
98 100

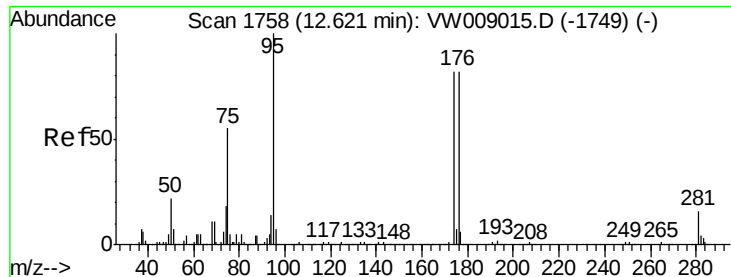
100 64.4 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

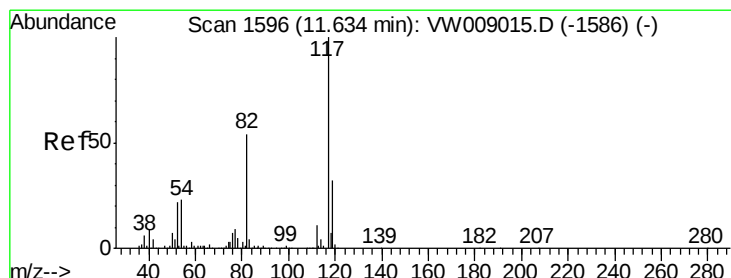
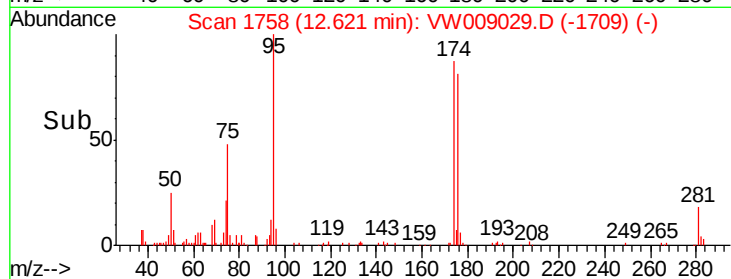
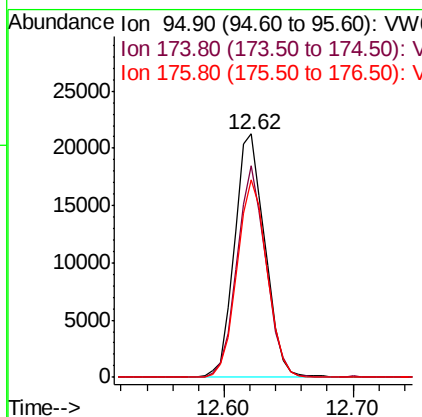
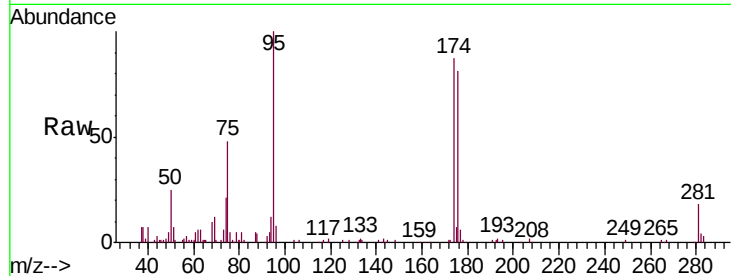




#62
4-Bromofluorobenzene
Concen: 39.552 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW009029.D
Acq: 06 Mar 2019 21:31

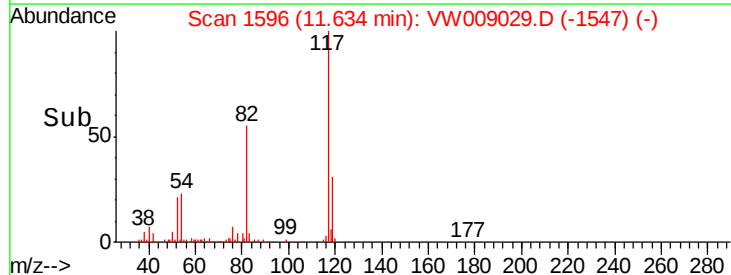
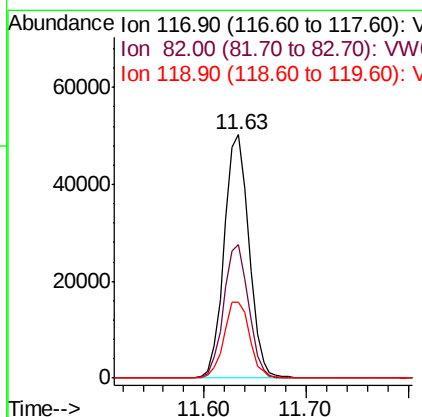
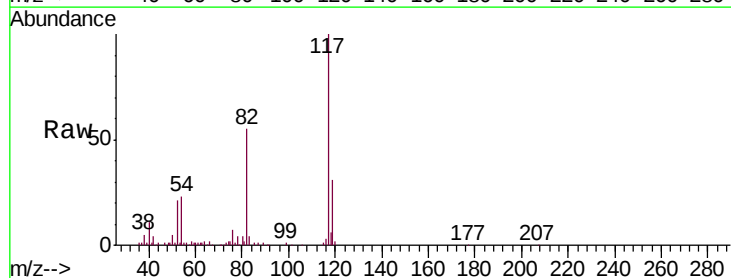
Instrument :
MSVOA_W
ClientSampled :
Z2-11

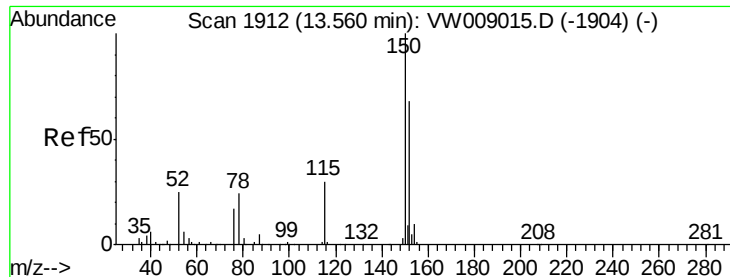
Tgt Ion: 95 Resp: 34816
Ion Ratio Lower Upper
95 100
174 82.5 0.0 165.8
176 79.8 0.0 159.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW009029.D
Acq: 06 Mar 2019 21:31

Tgt Ion: 117 Resp: 84747
Ion Ratio Lower Upper
117 100
82 55.0 43.4 65.2
119 31.1 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW009029.D

Acq: 06 Mar 2019 21:31

Instrument :

MSVOA_W

ClientSampled :

Z2-11

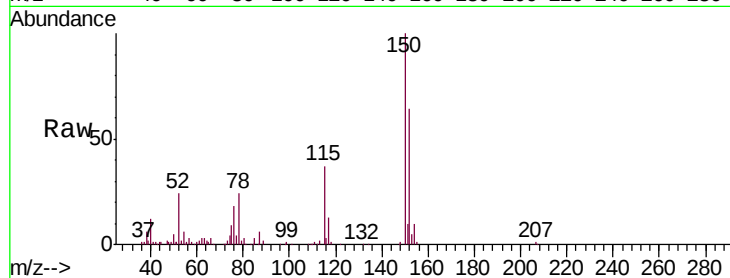
Tgt Ion:152 Resp: 32610

Ion Ratio Lower Upper

152 100

115 59.1 29.3 87.8

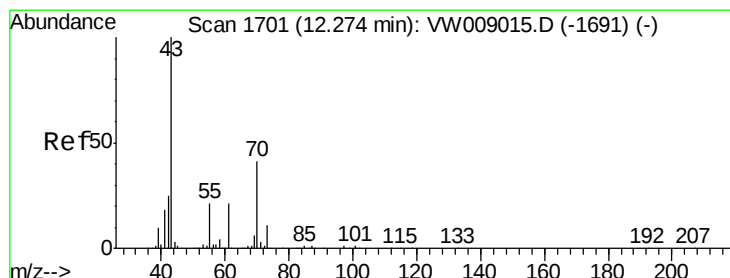
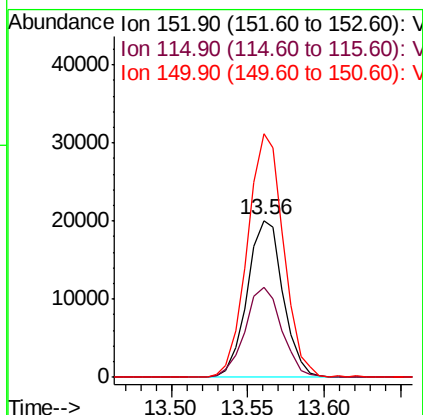
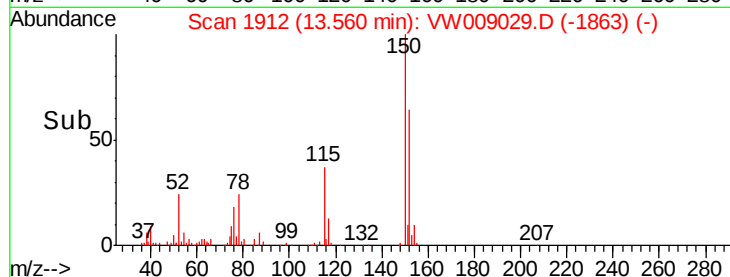
150 157.1 0.0 348.6



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



#74

N-ethyl acetate

Concen: 4.467 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.01 min

Lab File: VW009029.D

Acq: 06 Mar 2019 21:31

Tgt Ion: 43 Resp: 162

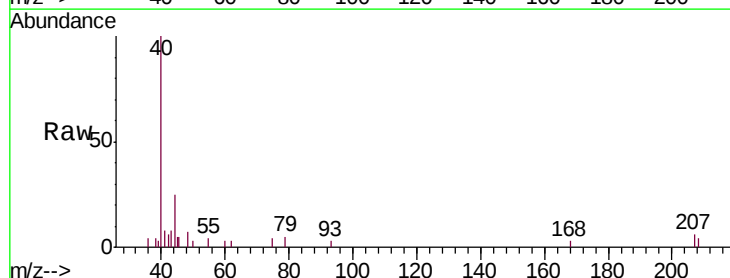
Ion Ratio Lower Upper

43 100

70 35.2 31.2 46.8

55 43.8 18.0 27.0#

61 0.0 17.3 25.9#

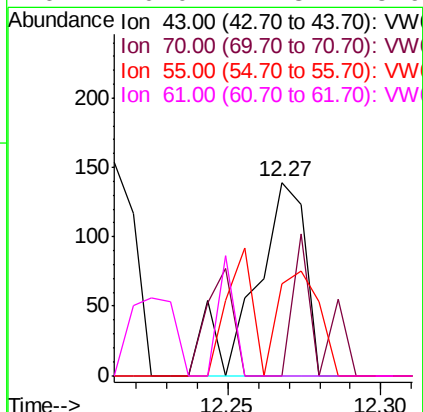
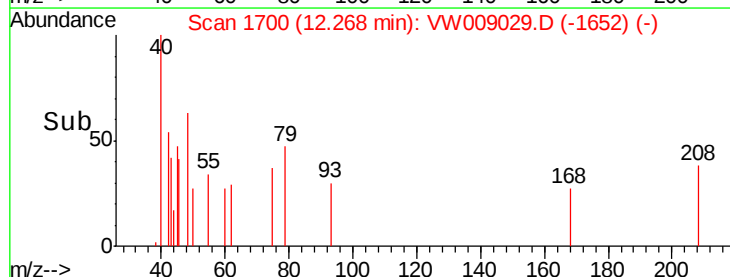


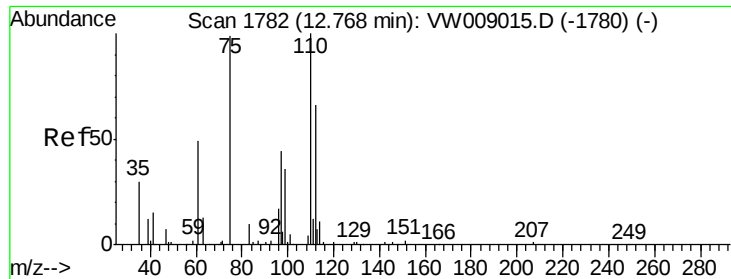
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

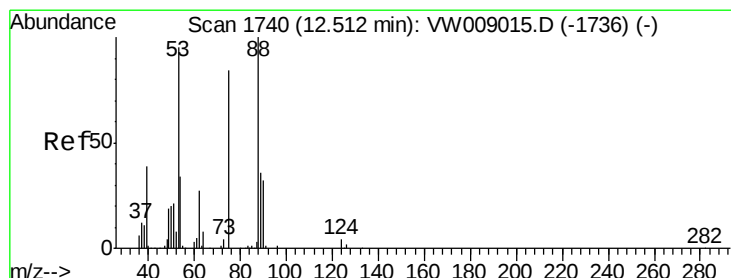
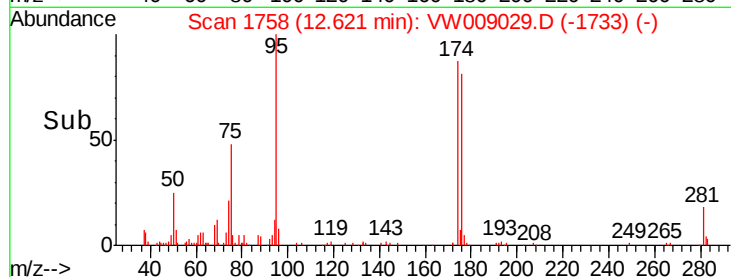
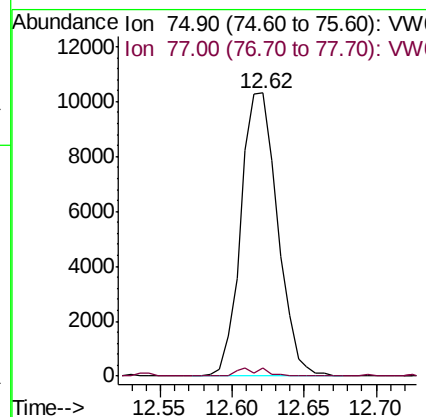
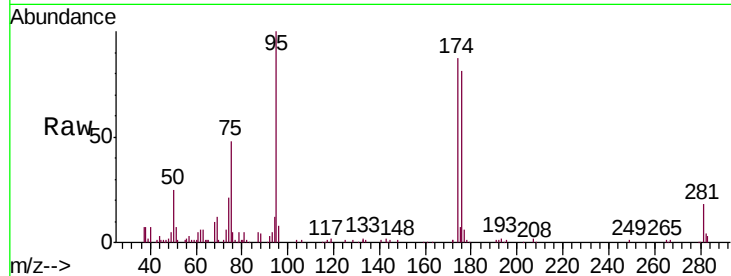




#76
 1,2,3-Trichloropropane
 Concen: 70.438 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW009029.D
 Acq: 06 Mar 2019 21:31

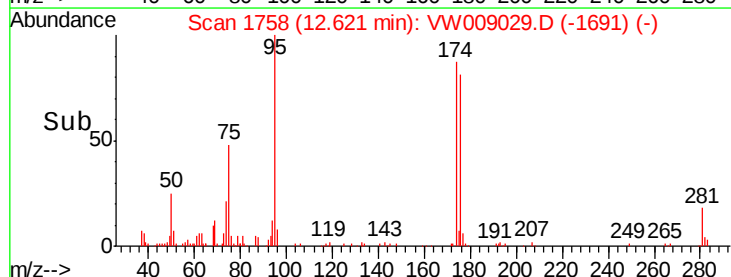
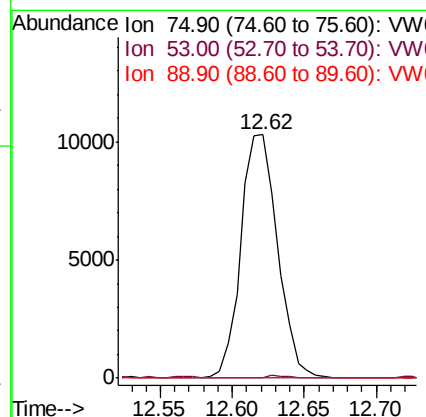
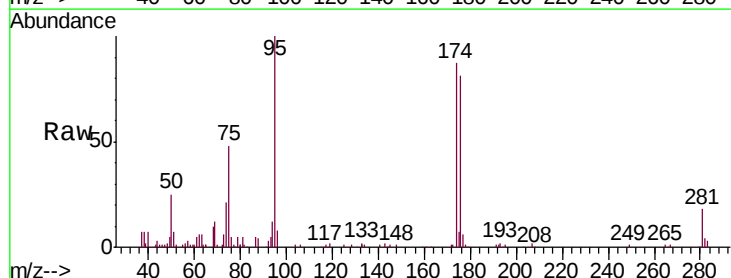
Instrument :
 MSVOA_W
 ClientSampleId :
 Z2-11

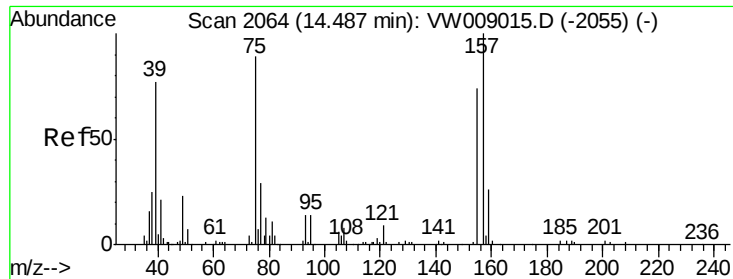
Tgt Ion: 75 Resp: 18205
 Ion Ratio Lower Upper
 75 100
 77 2.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 142.801 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.11 min
 Lab File: VW009029.D
 Acq: 06 Mar 2019 21:31

Tgt Ion: 75 Resp: 18205
 Ion Ratio Lower Upper
 75 100
 53 0.6 88.5 132.7#
 89 0.0 36.3 54.5#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.320 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. -0.01 min

Lab File: VW009029.D

Acq: 06 Mar 2019 21:31

Instrument :

MSVOA_W

ClientSampleId :

Z2-11

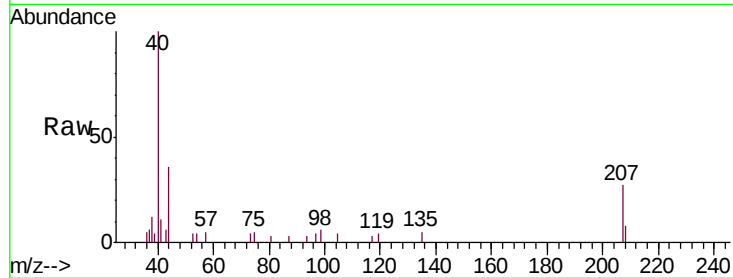
Tgt Ion: 75 Resp: 84

Ion Ratio Lower Upper

75 100

155 0.0 41.4 124.4#

157 0.0 53.1 159.4#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

