

Data File : VW008948.D
Acq On : 02 Mar 2019 04:39
Operator : SY/VA
Sample : K16754-13RE
Misc : 3.73G/5ML/MSVOA_W/SOIL
ALS Vial : 41 Sample Multiplier: 1

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

Quant Time: Mar 02 05:13:17 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	276032	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	426919	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	386952	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	172862	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	163055	62.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	125.96%	
35) Dibromofluoromethane	7.88	113	133014	51.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.78%	
50) Toluene-d8	10.32	98	512969	51.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.68%	
62) 4-Bromofluorobenzene	12.62	95	175888	45.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.80%	

Target Compounds

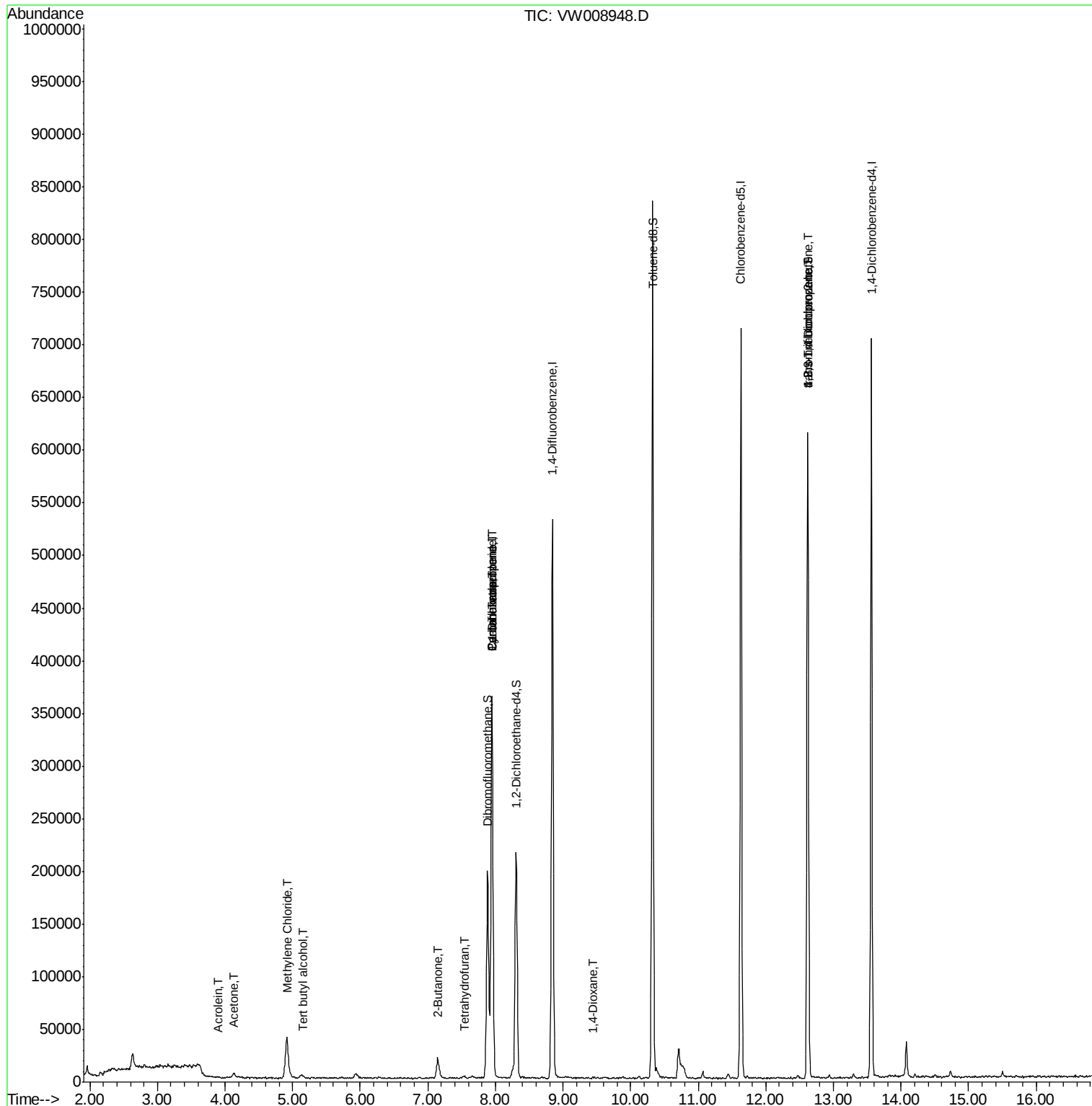
						Qvalue
11) Tert butyl alcohol	5.15	59	1133	4.916	ug/l #	90
13) Acrolein	3.89	56	47	19.958	ug/l #	1
16) Acetone	4.13	43	8787	14.643	ug/l #	85
20) Methylene Chloride	4.92	84	28922	5.207	ug/l	85
25) 2-Butanone	7.16	43	2304	2.746	ug/l	97
29) Tetrahydrofuran	7.55	42	1479	2.766	ug/l #	75
31) Cyclohexane	7.95	56	6765	1.386	ug/l #	36
36) 1,1-Dichloropropene	7.95	75	21143	5.088	ug/l #	52
38) Carbon Tetrachloride	7.95	117	28131	6.419	ug/l #	17
49) 1,4-Dioxane	9.45	88	93	3.724	ug/l #	37
76) 1,2,3-Trichloropropane	12.62	75	90785	63.610	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	90785	154.642	ug/l #	6

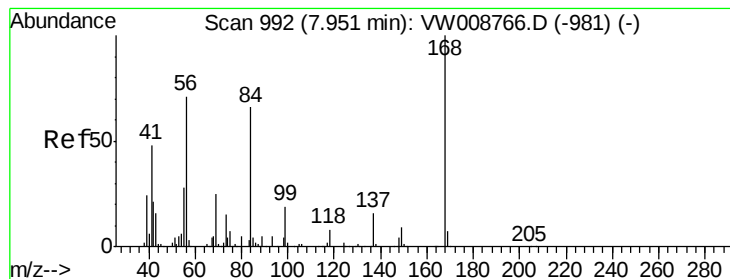
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008948.D

Acq: 02 Mar 2019 04:39

Instrument :

MSVOA_W

ClientSampleId :

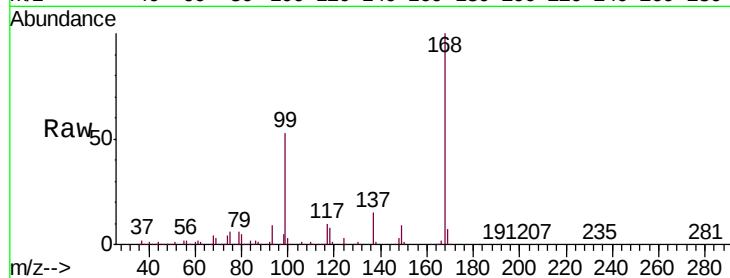
Z-3-2-ARE

Tgt Ion:168 Resp: 276032

Ion Ratio Lower Upper

168 100

99 53.0 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

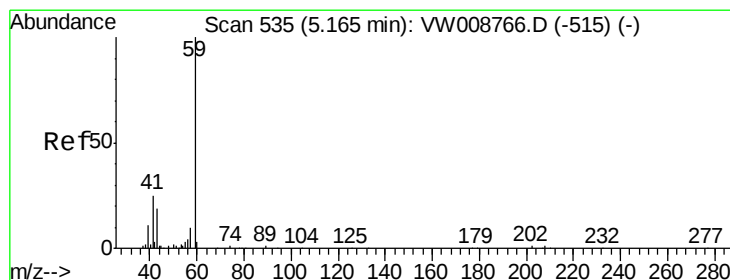
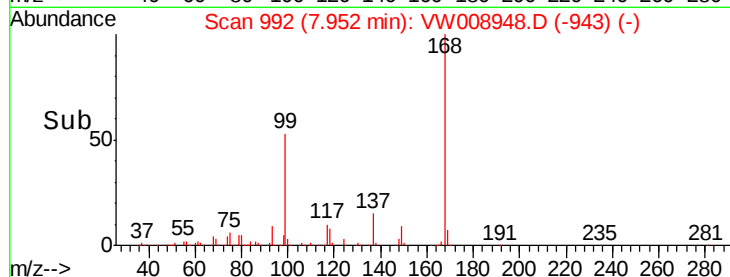
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 4.916 ug/l

RT: 5.15 min Scan# 533

Delta R.T. -0.01 min

Lab File: VW008948.D

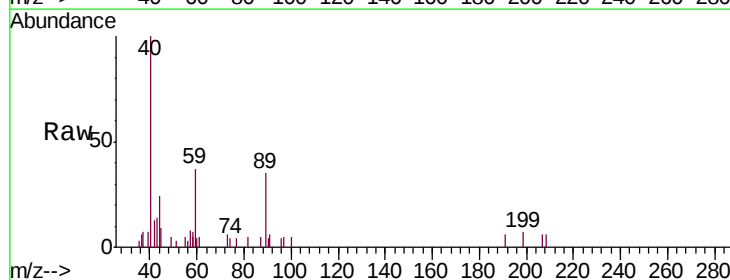
Acq: 02 Mar 2019 04:39

Tgt Ion: 59 Resp: 1133

Ion Ratio Lower Upper

59 100

57 7.9 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.15

800

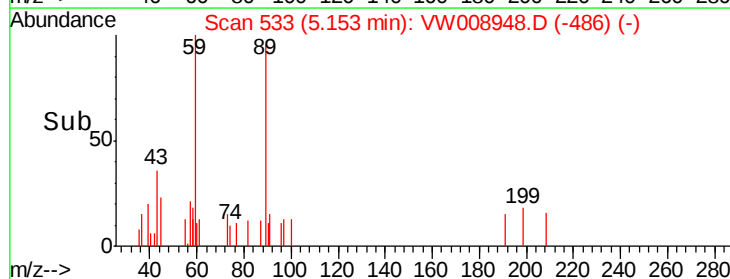
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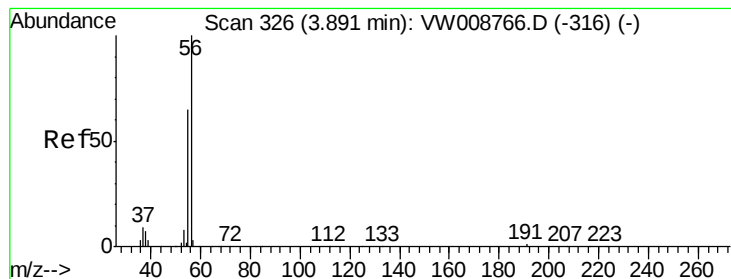
400

200

0

Time-->





#13

Acrolein

Concen: 19.958 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW008948.D

Acq: 02 Mar 2019 04:39

Instrument :

MSVOA_W

ClientSampled :

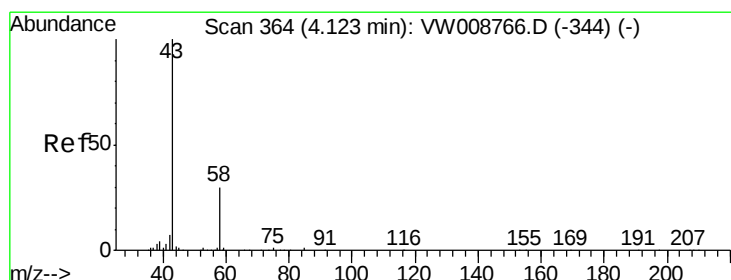
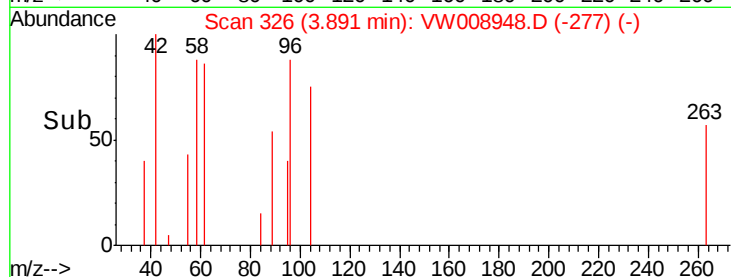
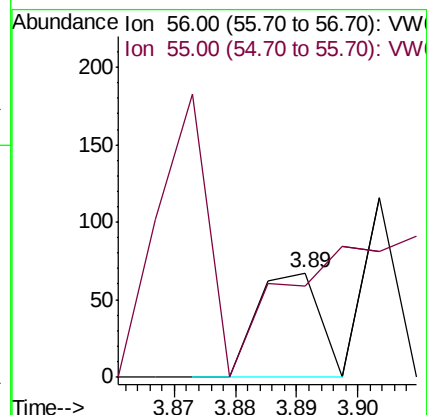
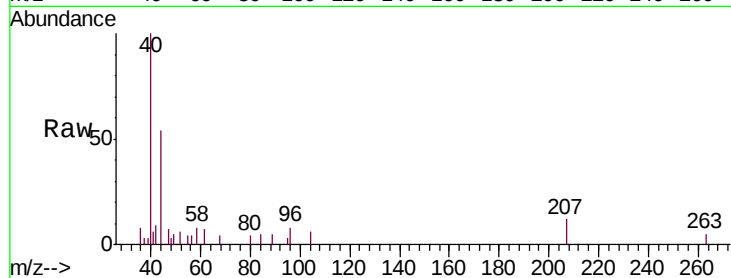
Z-3-2-ARE

Tgt Ion: 56 Resp: 47

Ion Ratio Lower Upper

56 100

55 314.9 56.9 85.3#



#16

Acetone

Concen: 14.643 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008948.D

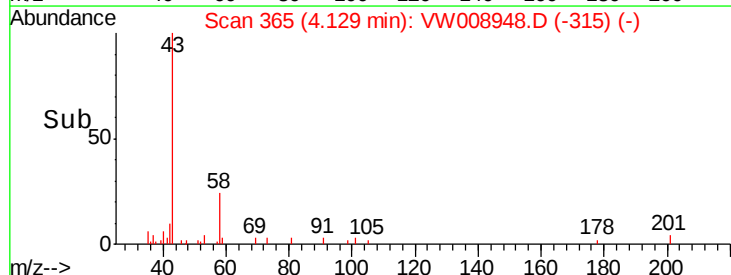
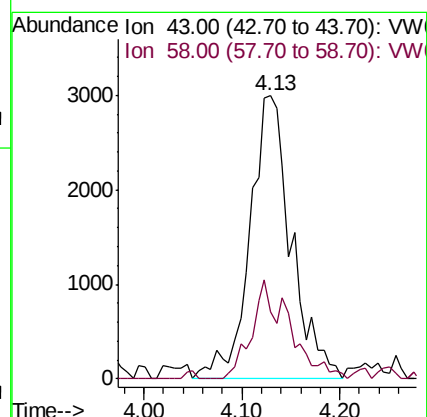
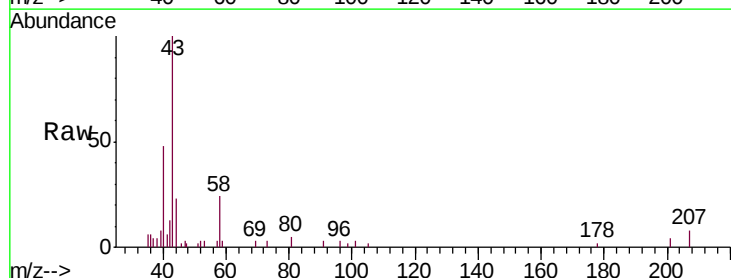
Acq: 02 Mar 2019 04:39

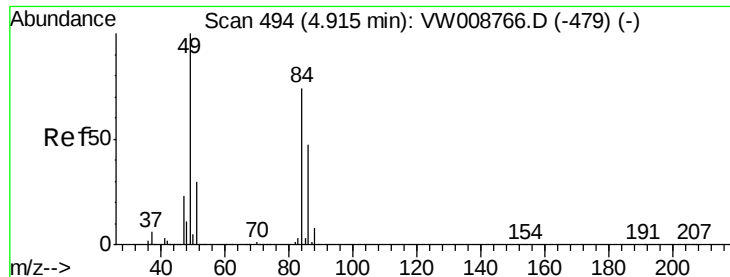
Tgt Ion: 43 Resp: 8787

Ion Ratio Lower Upper

43 100

58 21.7 23.8 35.6#



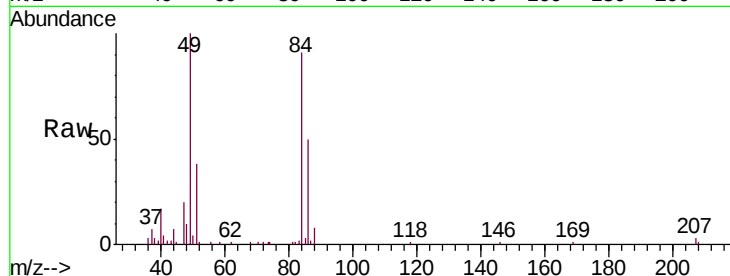


#20
Methylene Chloride
Concen: 5.207 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW008948.D
Acq: 02 Mar 2019 04:39

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

Tgt Ion: 84 Resp: 28922

Ion	Ratio	Lower	Upper
84	100		
49	109.1	108.2	162.2
51	40.6	32.7	49.1
86	55.0	50.3	75.5



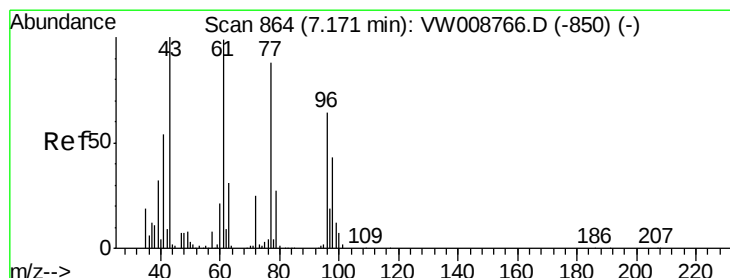
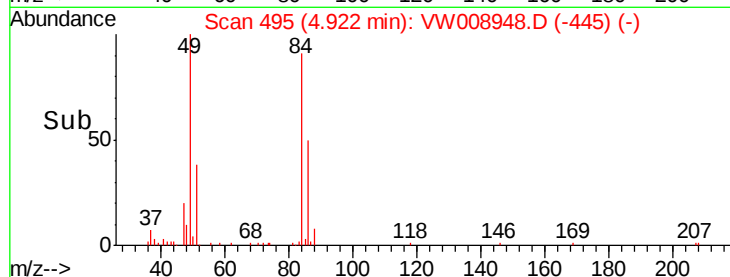
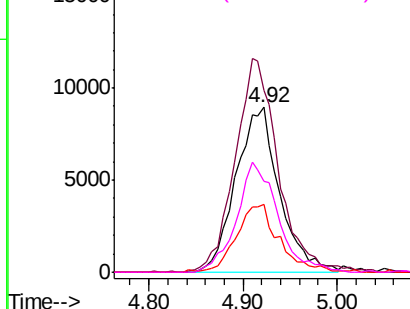
Abundance

Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

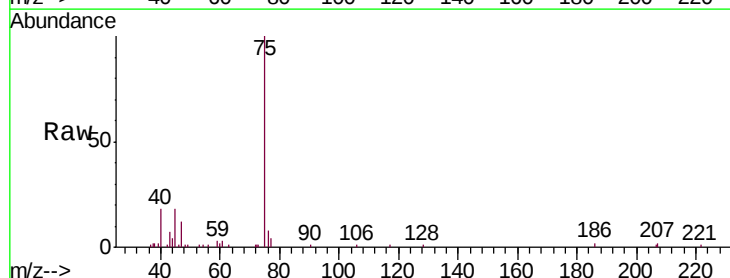
Ion 85.90 (85.60 to 86.60): VW



#25
2-Butanone
Concen: 2.746 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW008948.D
Acq: 02 Mar 2019 04:39

Tgt Ion: 43 Resp: 2304

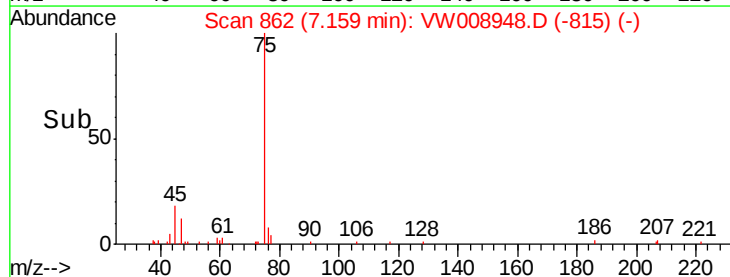
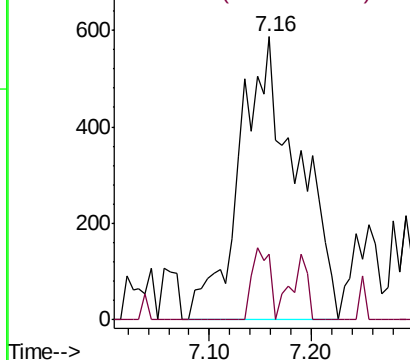
Ion	Ratio	Lower	Upper
43	100		
72	23.3	19.7	29.5

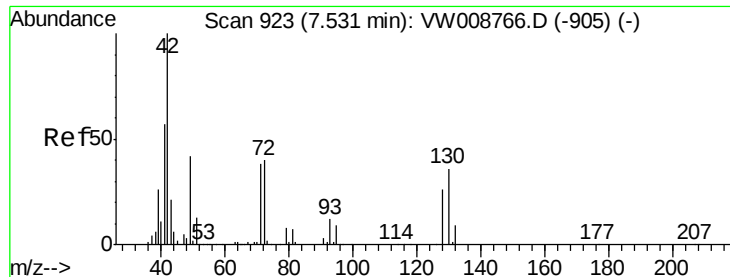


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

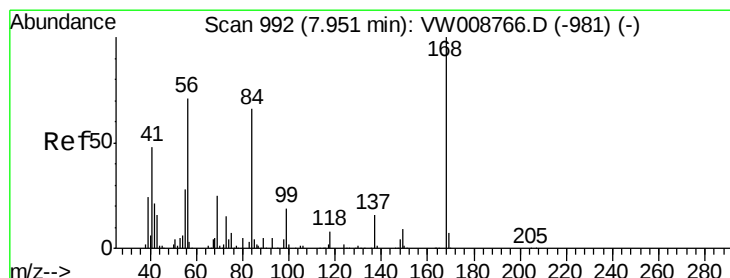
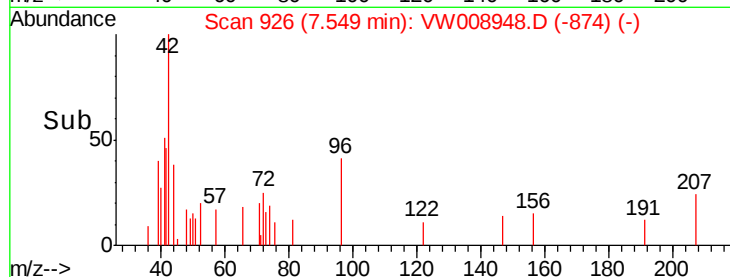
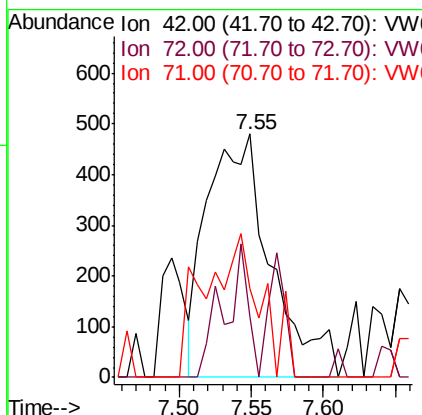
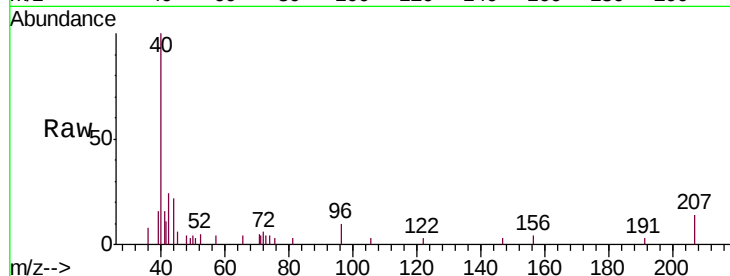




#29
Tetrahydrofuran
Concen: 2.766 ug/l
RT: 7.55 min Scan# 926
Delta R.T. 0.02 min
Lab File: VW008948.D
Acq: 02 Mar 2019 04:39

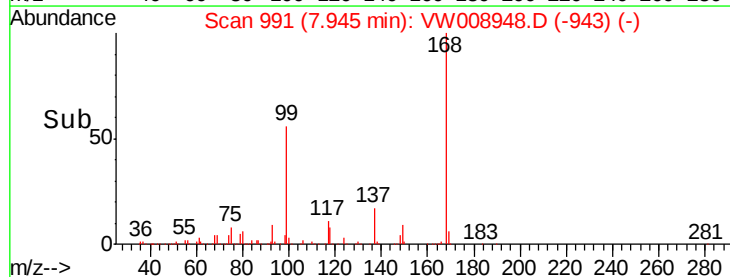
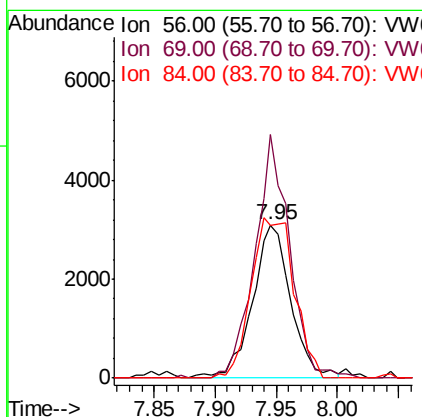
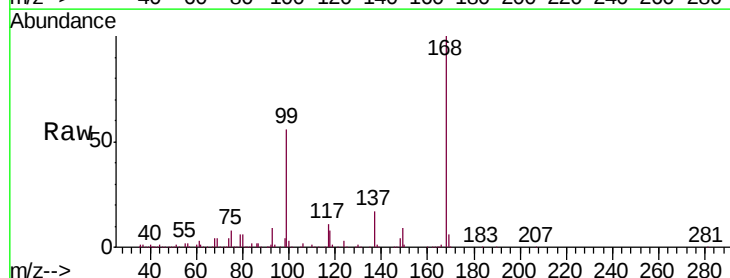
Instrument :
MSVOA_W
ClientSampleId :
Z-3-2-ARE

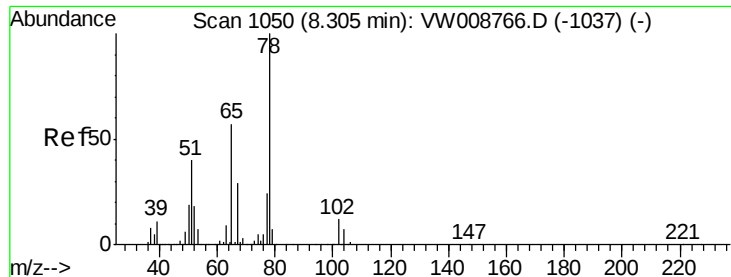
Tgt Ion: 42 Resp: 1479
Ion Ratio Lower Upper
42 100
72 20.9 32.7 49.1#
71 28.8 31.3 46.9#



#31
Cyclohexane
Concen: 1.386 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008948.D
Acq: 02 Mar 2019 04:39

Tgt Ion: 56 Resp: 6765
Ion Ratio Lower Upper
56 100
69 159.4 28.2 42.4#
84 99.7 74.1 111.1

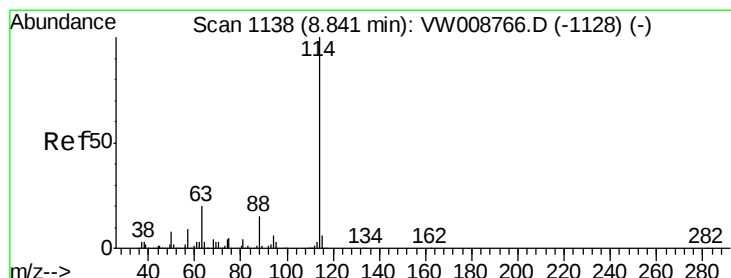
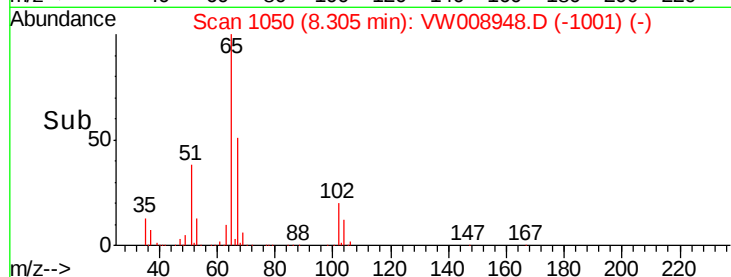
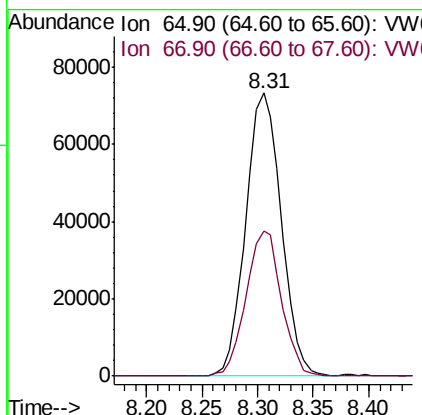
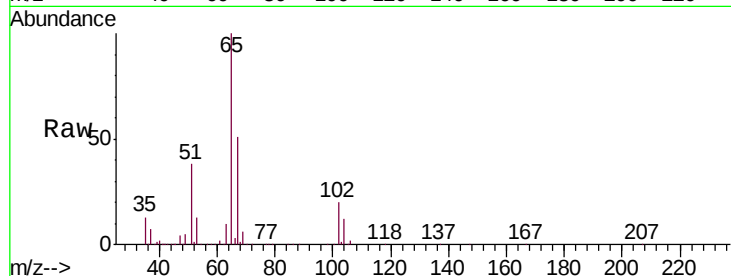




#33
 1,2-Dichloroethane-d4
 Concen: 62.982 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008948.D
 Acq: 02 Mar 2019 04:39

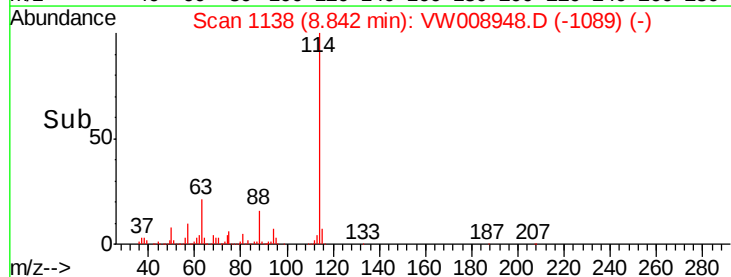
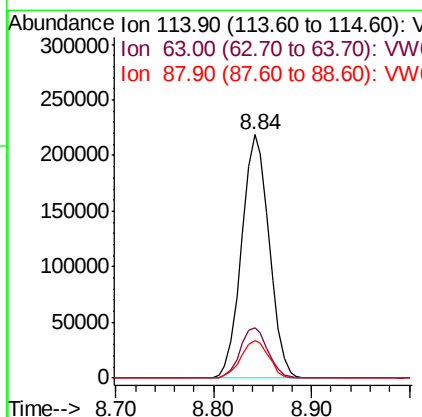
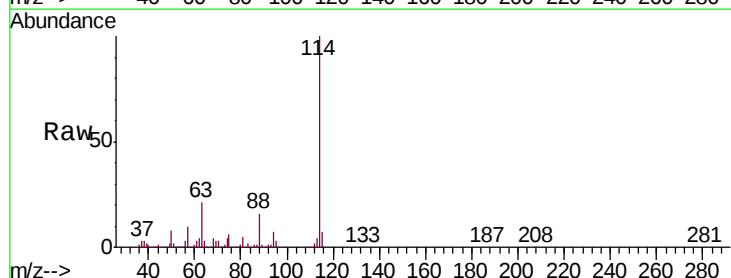
Instrument :
 MSVOA_W
 ClientSampleId :
 Z-3-2-ARE

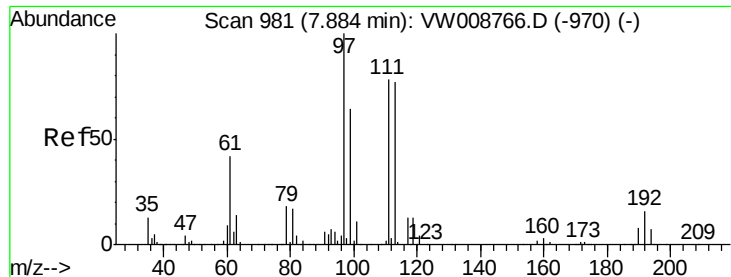
Tgt Ion: 65 Resp: 163055
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008948.D
 Acq: 02 Mar 2019 04:39

Tgt Ion: 114 Resp: 426919
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 40.8
 88 15.6 0.0 30.4

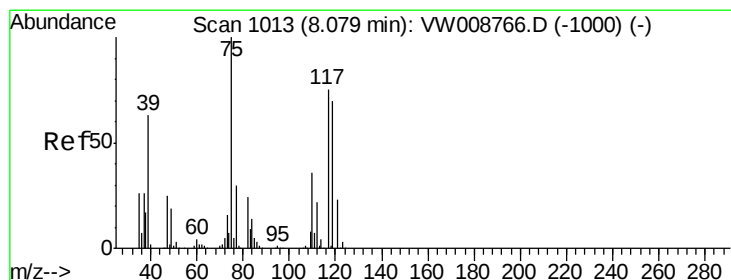
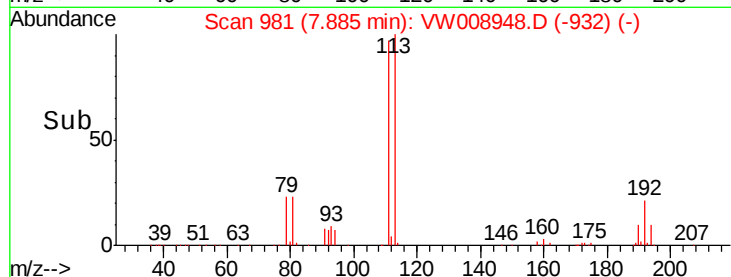
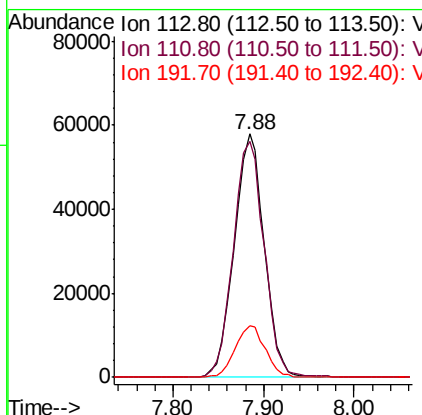
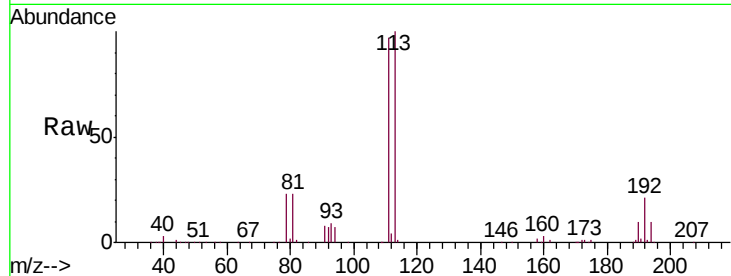




#35
 Dibromofluoromethane
 Concen: 51.892 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW008948.D
 Acq: 02 Mar 2019 04:39

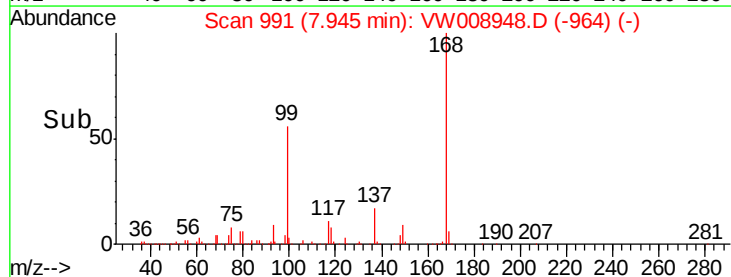
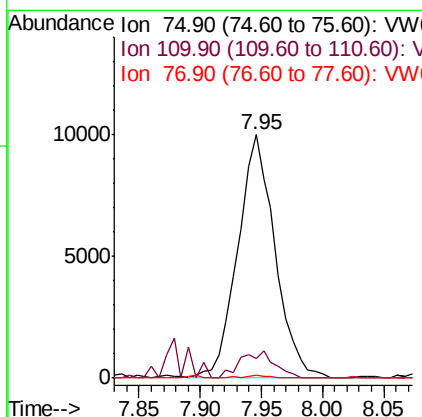
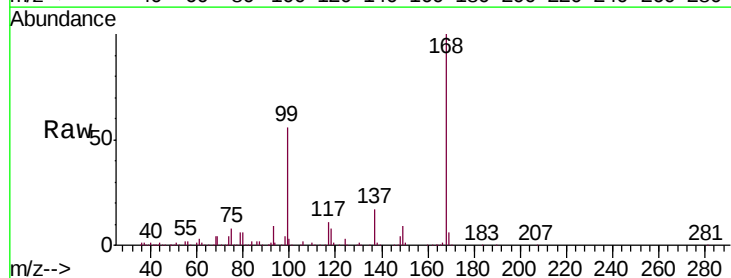
Instrument :
 MSVOA_W
 ClientSampleId :
 Z-3-2-ARE

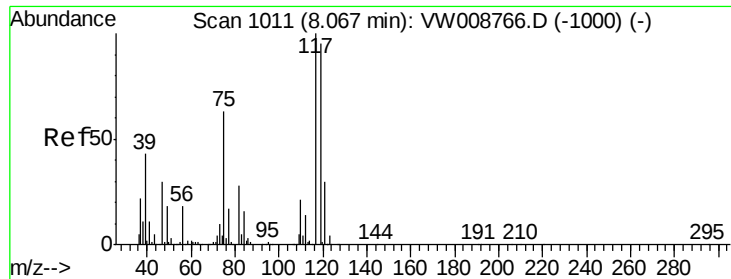
Tgt Ion:113 Resp: 133014
 Ion Ratio Lower Upper
 113 100
 111 100.0 81.9 122.9
 192 21.2 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 5.088 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008948.D
 Acq: 02 Mar 2019 04:39

Tgt Ion: 75 Resp: 21143
 Ion Ratio Lower Upper
 75 100
 110 10.2 17.5 52.6#
 77 0.6 24.5 36.7#

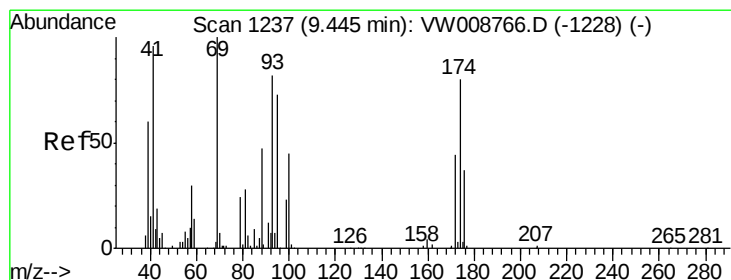
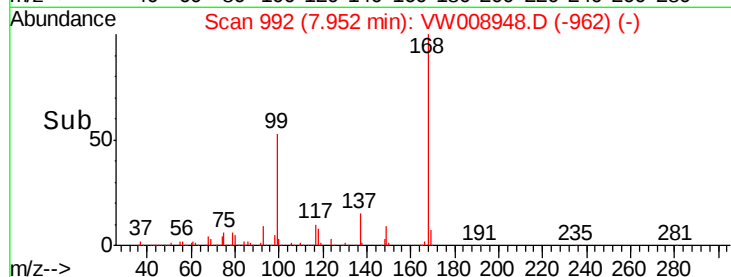
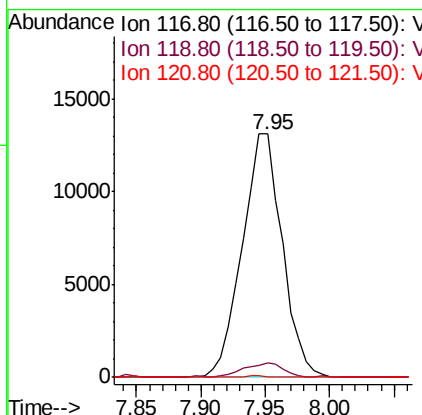
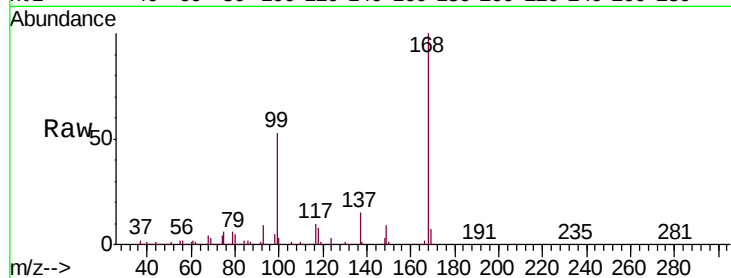




#38
Carbon Tetrachloride
Concen: 6.419 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW008948.D
Acq: 02 Mar 2019 04:39

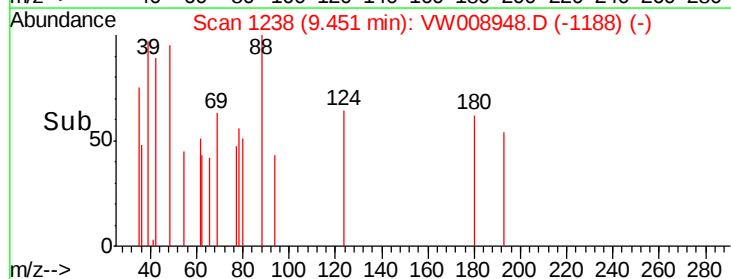
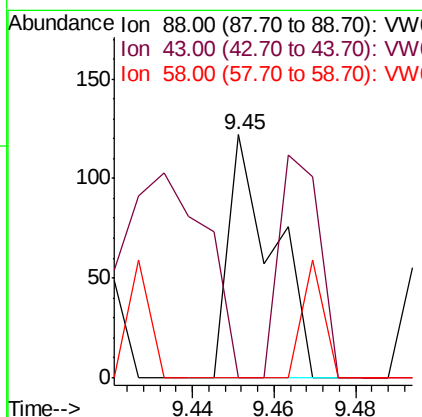
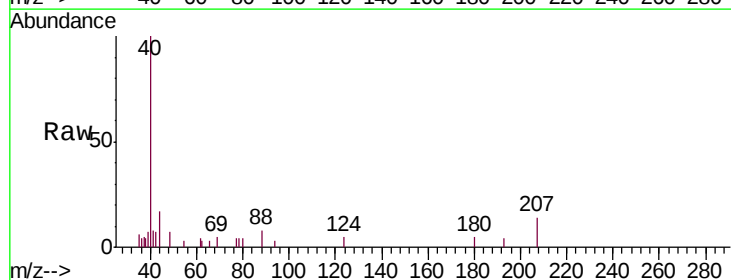
Instrument :
MSVOA_W
ClientSampled :
Z-3-2-ARE

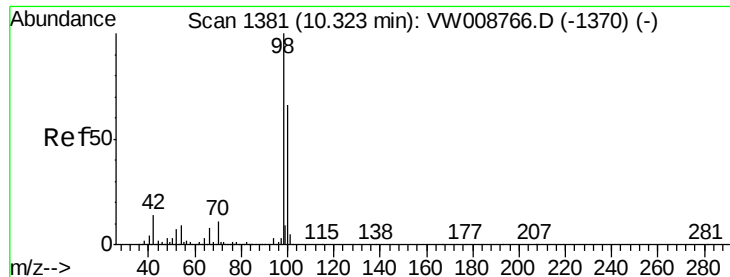
Tgt Ion: 117 Resp: 28131
Ion Ratio Lower Upper
117 100
119 5.7 76.1 114.1#
121 0.0 24.0 36.0#



#49
1,4-Dioxane
Concen: 3.724 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW008948.D
Acq: 02 Mar 2019 04:39

Tgt Ion: 88 Resp: 93
Ion Ratio Lower Upper
88 100
43 83.9 29.0 43.4#
58 23.7 52.0 78.0#





#50

Toluene-d8

Concen: 51.841 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008948.D

Acq: 02 Mar 2019 04:39

Instrument :

MSVOA_W

ClientSampleId :

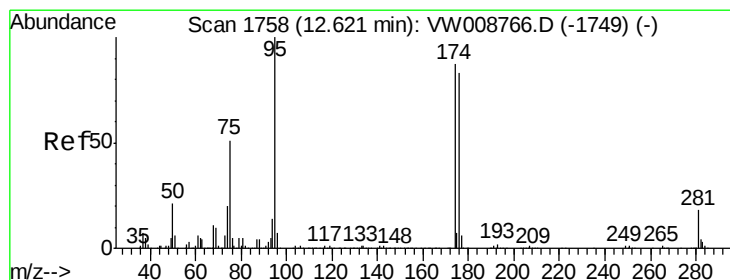
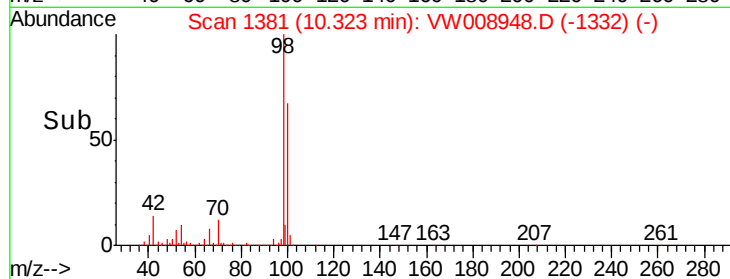
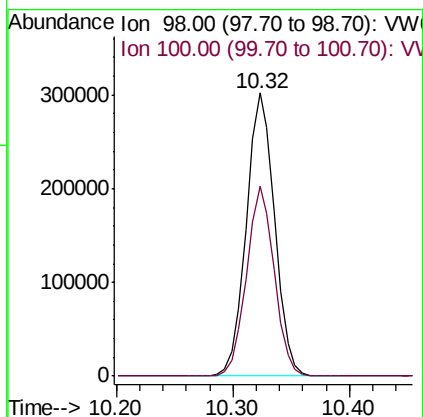
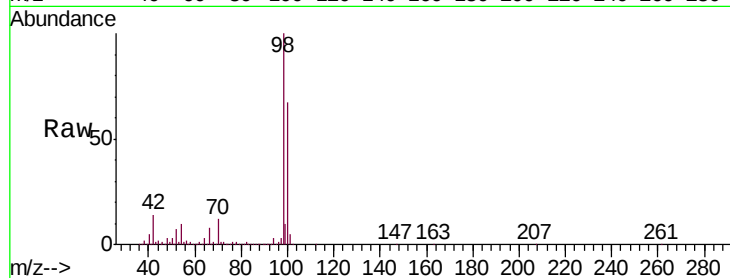
Z-3-2-ARE

Tgt Ion: 98 Resp: 512969

Ion Ratio Lower Upper

98 100

100 65.7 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 45.399 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008948.D

Acq: 02 Mar 2019 04:39

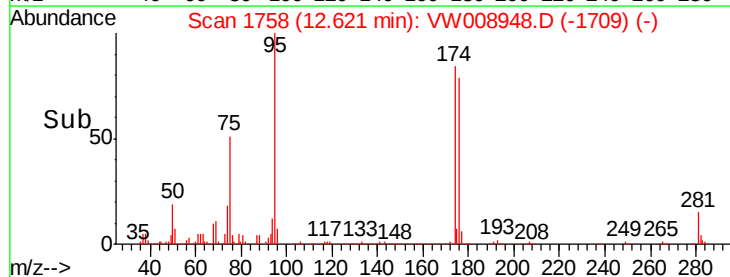
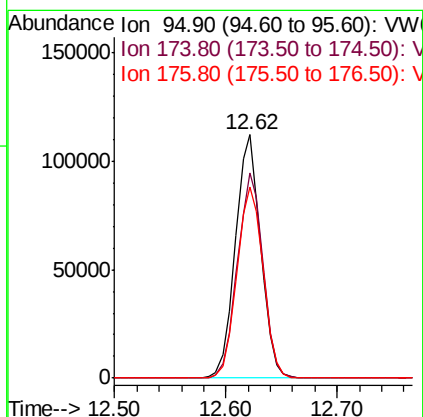
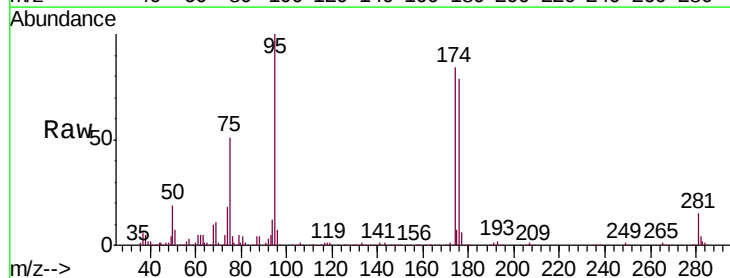
Tgt Ion: 95 Resp: 175888

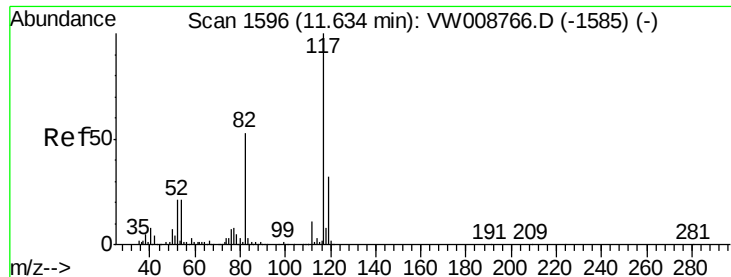
Ion Ratio Lower Upper

95 100

174 85.6 0.0 169.2

176 81.1 0.0 163.6

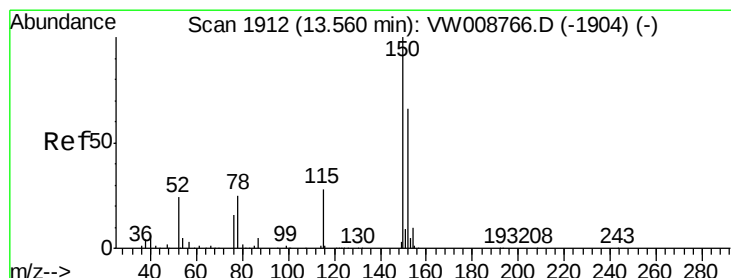
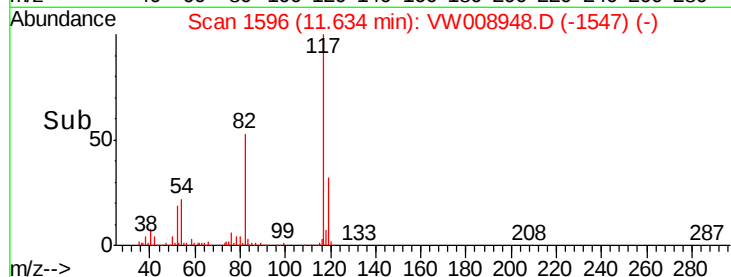
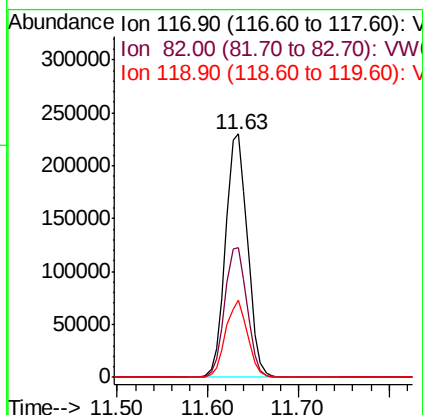
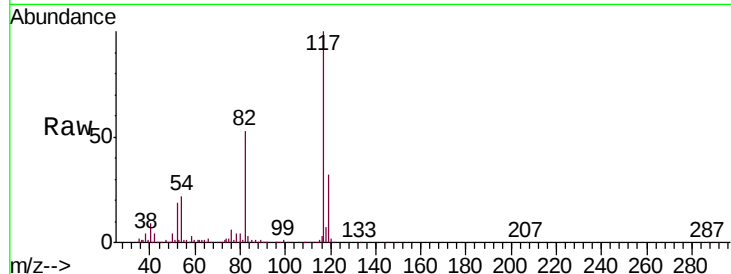




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008948.D
Acq: 02 Mar 2019 04:39

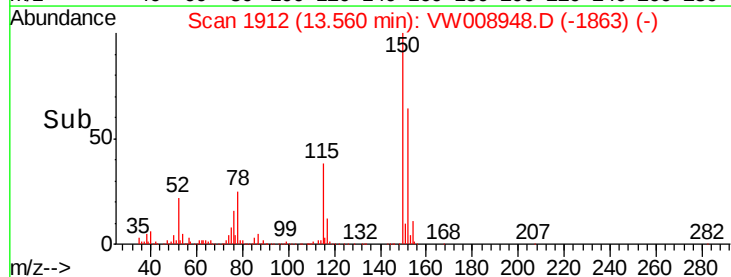
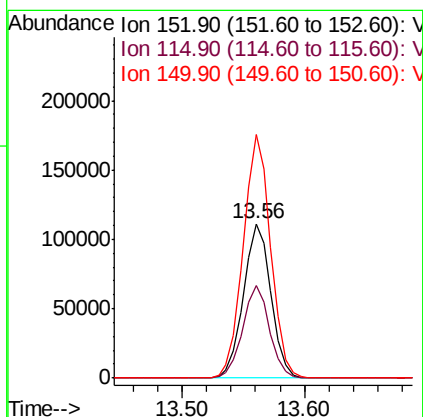
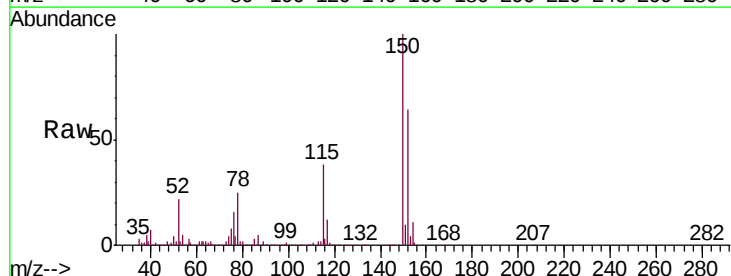
Instrument :
MSVOA_W
ClientSampleId :
Z-3-2-ARE

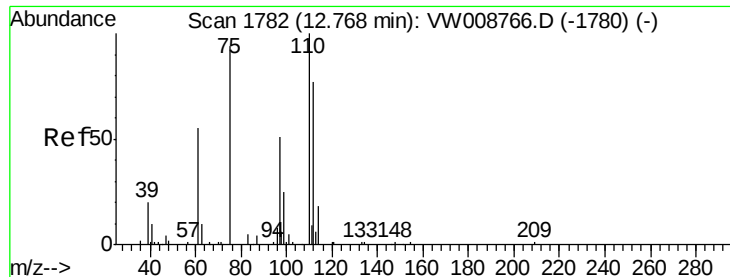
Tgt Ion:117 Resp: 386952
Ion Ratio Lower Upper
117 100
82 53.4 42.2 63.4
119 31.7 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008948.D
Acq: 02 Mar 2019 04:39

Tgt Ion:152 Resp: 172862
Ion Ratio Lower Upper
152 100
115 58.6 28.6 85.8
150 156.8 0.0 348.0





#76

1,2,3-Trichloropropane

Concen: 63.610 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008948.D

Acq: 02 Mar 2019 04:39

Instrument :

MSVOA_W

ClientSampleId :

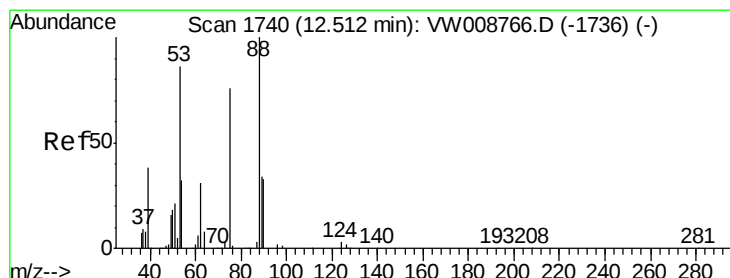
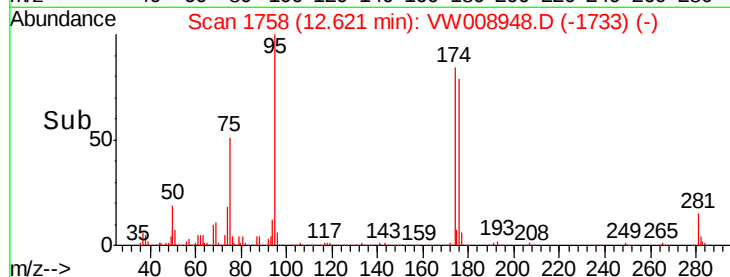
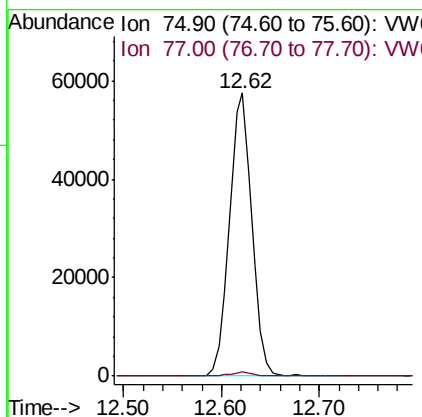
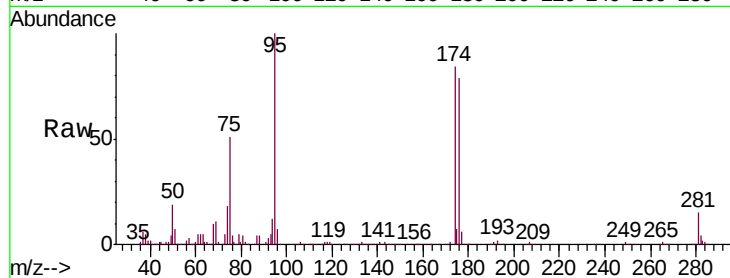
Z-3-2-ARE

Tgt Ion: 75 Resp: 90785

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 154.642 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008948.D

Acq: 02 Mar 2019 04:39

Tgt Ion: 75 Resp: 90785

Ion Ratio Lower Upper

75 100

53 0.1 88.2 132.2#

89 0.2 39.5 59.3#

