

Data File : VW008944.D
Acq On : 02 Mar 2019 02:52
Operator : SY/VA
Sample : K1675-01RE
Misc : 4.38G/5ML/MSVOA_W/SOIL
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
Z-3-11-ARE

Quant Time: Mar 02 05:12:18 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	318078	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	492232	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	440172	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	206613	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	181552	60.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.72%	
35) Dibromofluoromethane	7.88	113	150640	50.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.94%	
50) Toluene-d8	10.32	98	589866	51.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.40%	
62) 4-Bromofluorobenzene	12.62	95	200608	44.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.82%	

Target Compounds

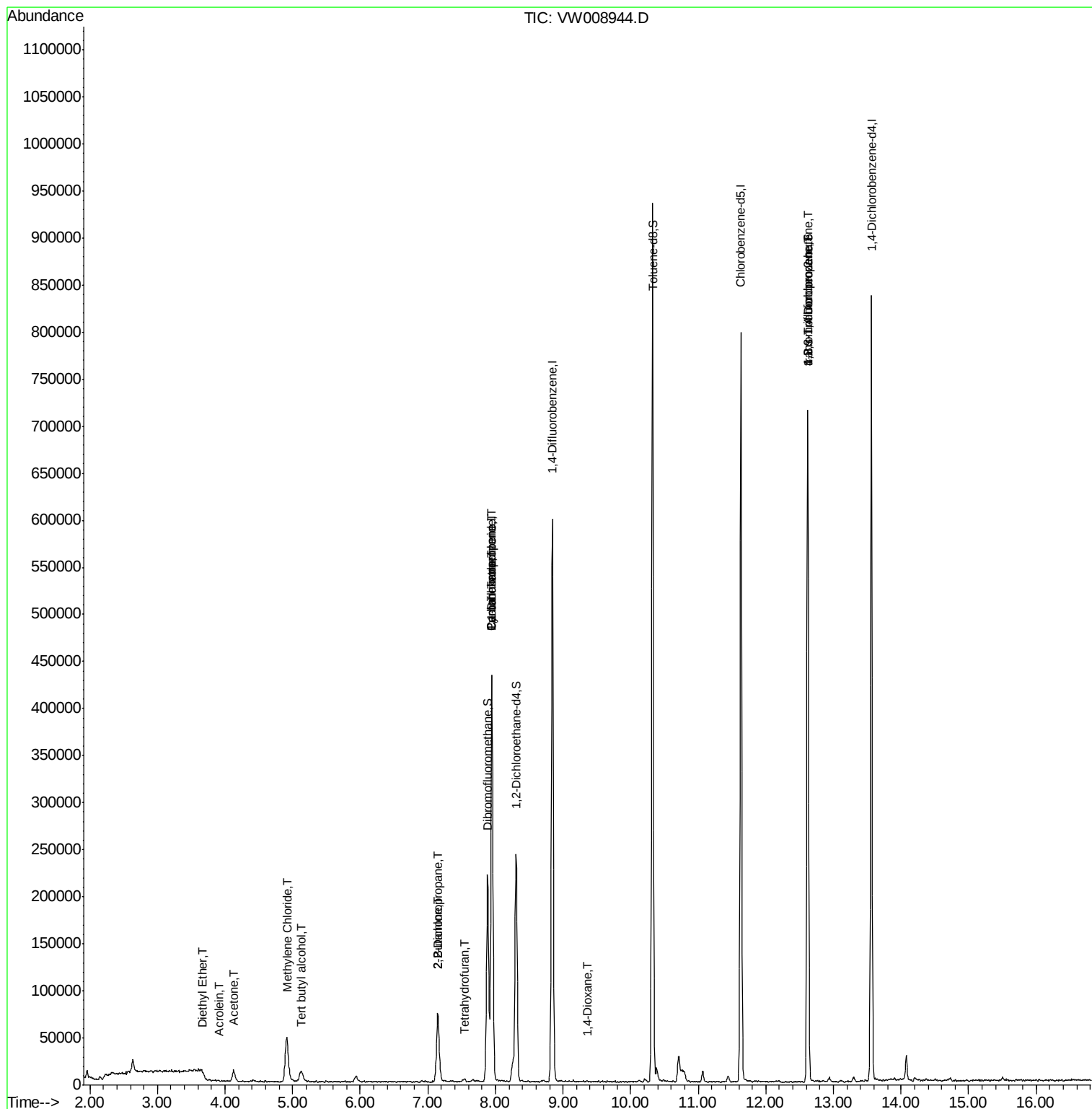
						Qvalue
8) Diethyl Ether	3.67	74	2105	1.280	ug/l	72
11) Tert butyl alcohol	5.12	59	9816	36.959	ug/l #	70
13) Acrolein	3.90	56	37	19.902	ug/l #	1
16) Acetone	4.13	43	21874	31.633	ug/l	97
20) Methylene Chloride	4.91	84	35853	6.032	ug/l	93
25) 2-Butanone	7.15	43	5341	5.525	ug/l #	68
26) 2,2-Dichloropropane	7.14	77	5120	1.015	ug/l #	55
29) Tetrahydrofuran	7.54	42	2432	3.947	ug/l #	88
31) Cyclohexane	7.95	56	7466	1.327	ug/l #	25
36) 1,1-Dichloropropene	7.95	75	24993	5.216	ug/l #	50
38) Carbon Tetrachloride	7.95	117	30949	6.125	ug/l #	17
49) 1,4-Dioxane	9.37	88	57	1.979	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	107631	63.095	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	107631	153.388	ug/l #	6

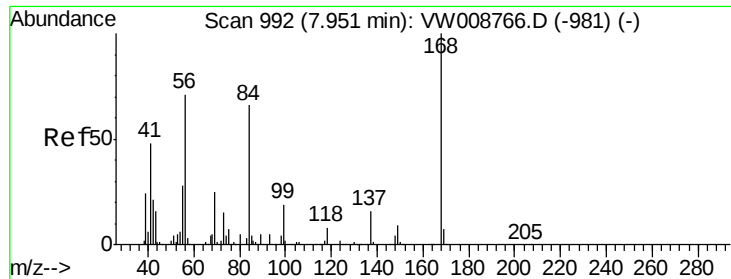
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008944.D

Acq: 02 Mar 2019 02:52

Instrument :

MSVOA_W

ClientSampleId :

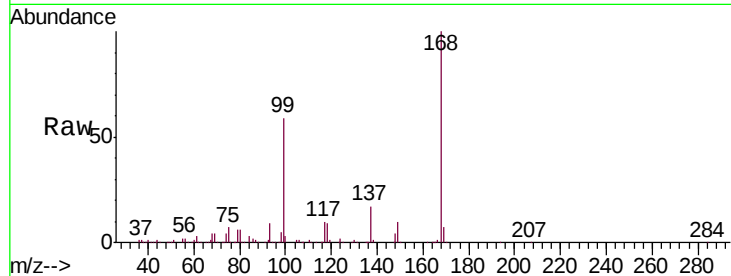
Z-3-11-ARE

Tgt Ion:168 Resp: 318078

Ion Ratio Lower Upper

168 100

99 58.9 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

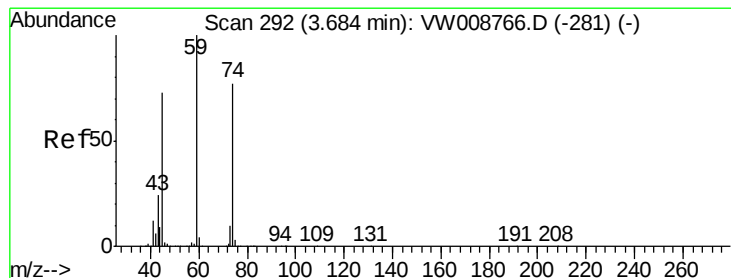
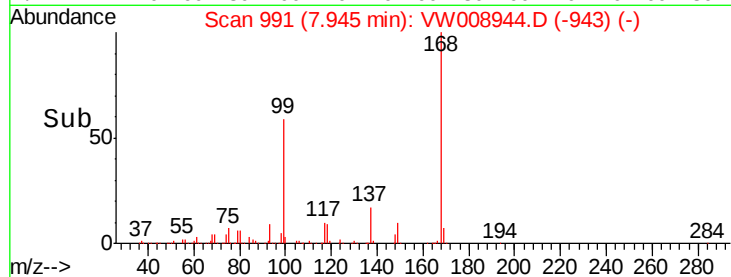
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Time-->

7.80

7.90

8.00



#8

Diethyl Ether

Concen: 1.280 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW008944.D

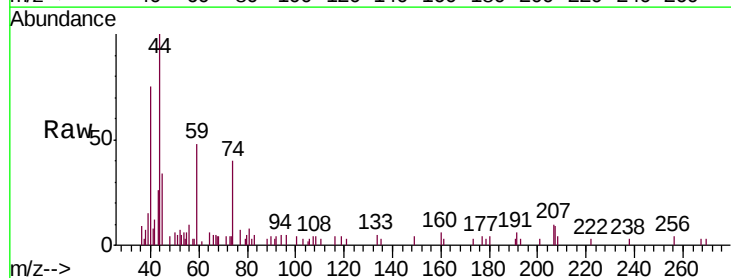
Acq: 02 Mar 2019 02:52

Tgt Ion: 74 Resp: 2105

Ion Ratio Lower Upper

74 100

45 128.2 50.2 150.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.67

1000

800

600

400

200

0

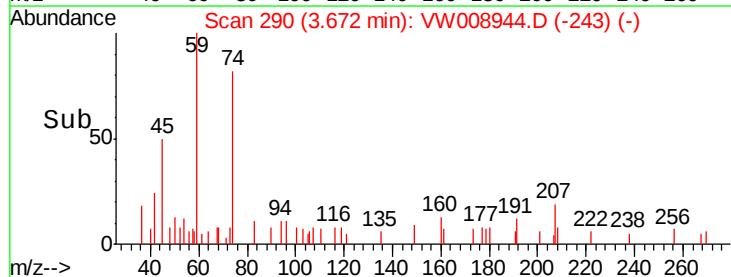
Time-->

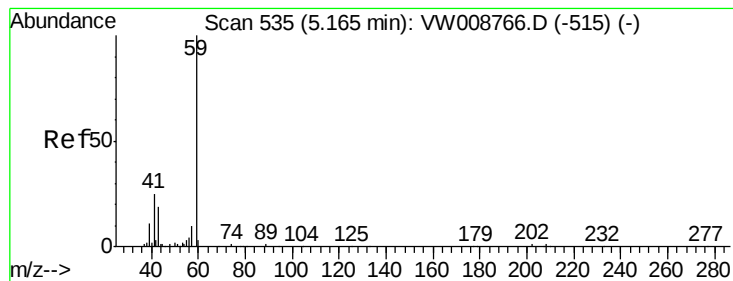
3.60

3.65

3.70

3.75



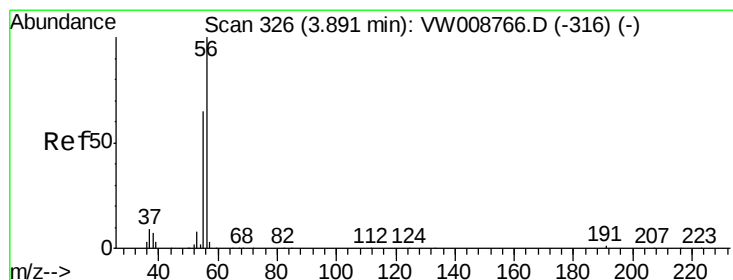
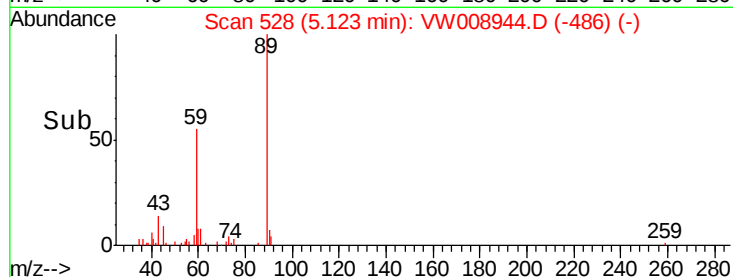
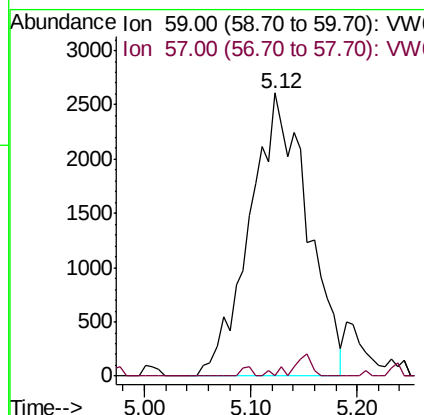
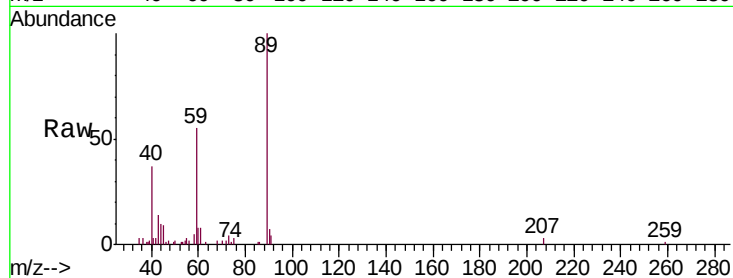


#11

Tert butyl alcohol
Concen: 36.959 ug/l
RT: 5.12 min Scan# 528
Delta R.T. -0.04 min
Lab File: VW008944.D
Acq: 02 Mar 2019 02:52

Instrument :
MSVOA_W
ClientSampled :
Z-3-11-ARE

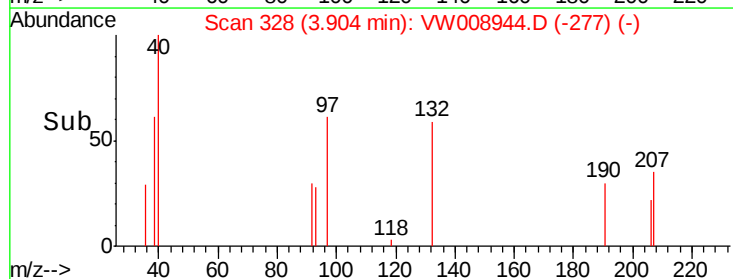
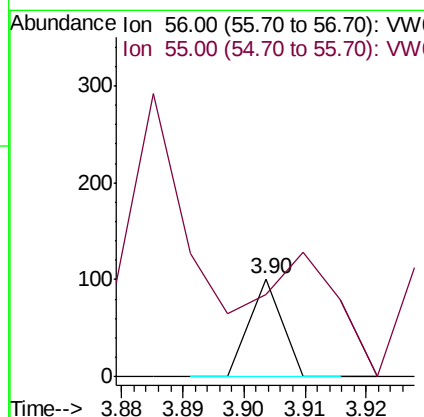
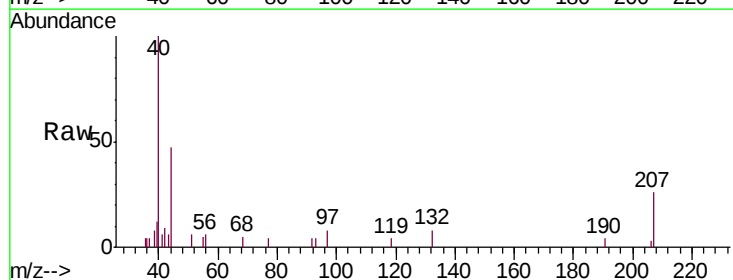
Tgt Ion: 59 Resp: 9816
Ion Ratio Lower Upper
59 100
57 0.0 9.3 13.9#

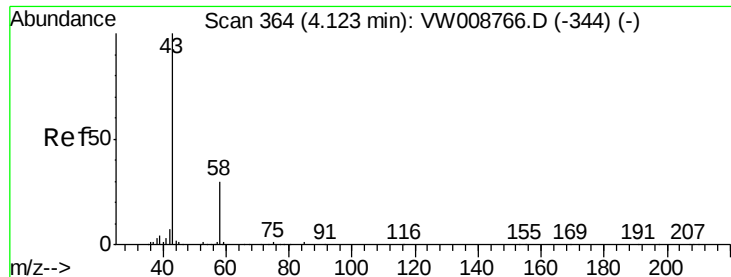


#13

Acrolein
Concen: 19.902 ug/l
RT: 3.90 min Scan# 328
Delta R.T. 0.01 min
Lab File: VW008944.D
Acq: 02 Mar 2019 02:52

Tgt Ion: 56 Resp: 37
Ion Ratio Lower Upper
56 100
55 575.7 56.9 85.3#





#16

Acetone

Concen: 31.633 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008944.D

Acq: 02 Mar 2019 02:52

Instrument :

MSVOA_W

ClientSampleId :

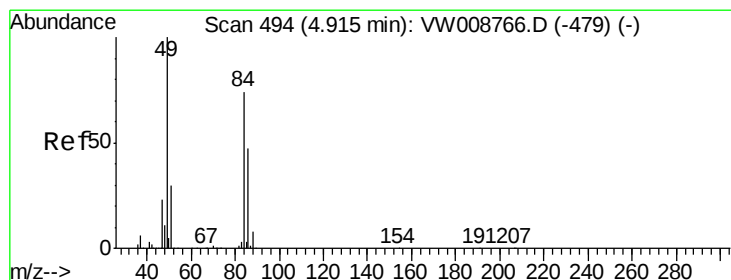
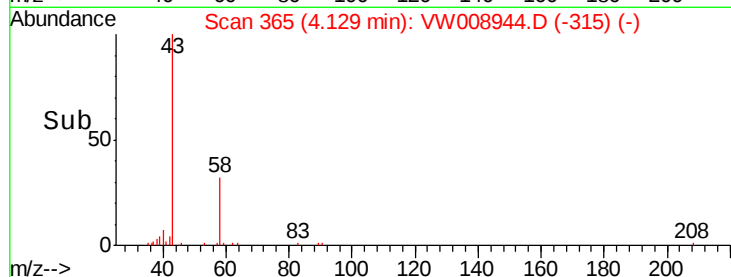
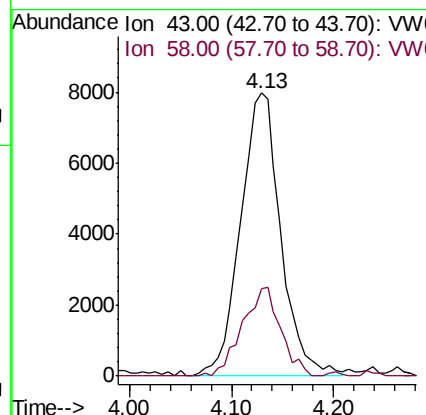
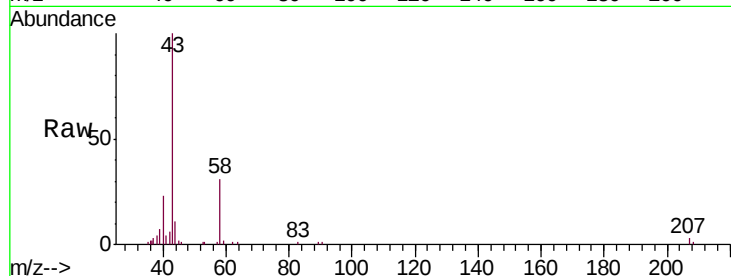
Z-3-11-ARE

Tgt Ion: 43 Resp: 21874

Ion Ratio Lower Upper

43 100

58 31.1 23.8 35.6



#20

Methylene Chloride

Concen: 6.032 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW008944.D

Acq: 02 Mar 2019 02:52

Tgt Ion: 84 Resp: 35853

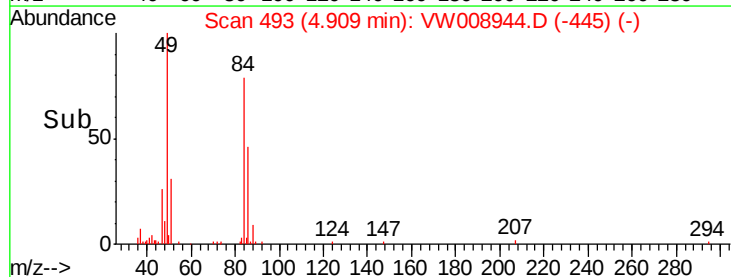
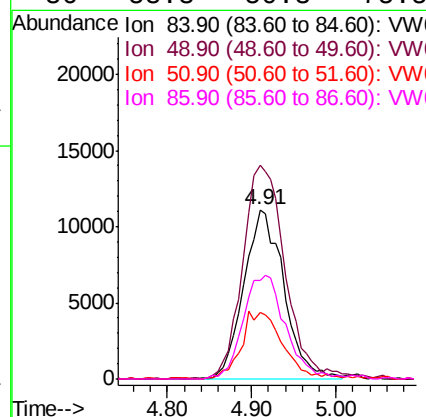
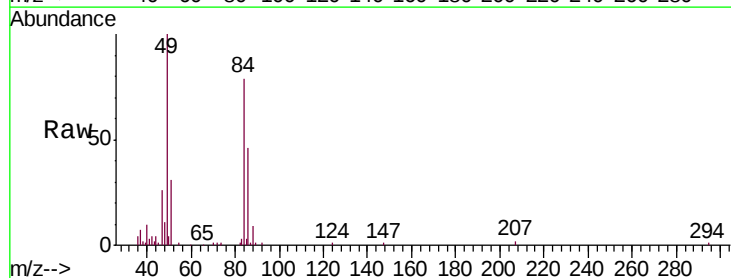
Ion Ratio Lower Upper

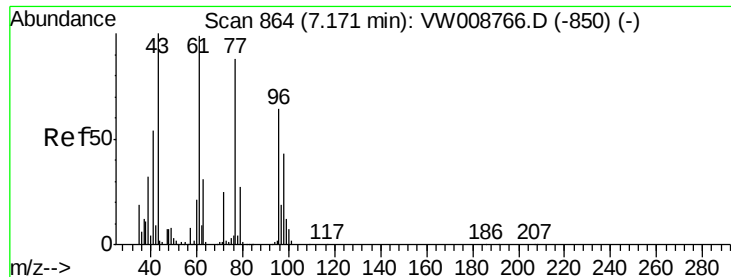
84 100

49 125.8 108.2 162.2

51 39.0 32.7 49.1

86 58.3 50.3 75.5





#25

2-Butanone

Concen: 5.525 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW008944.D

Acq: 02 Mar 2019 02:52

Instrument :

MSVOA_W

ClientSampleId :

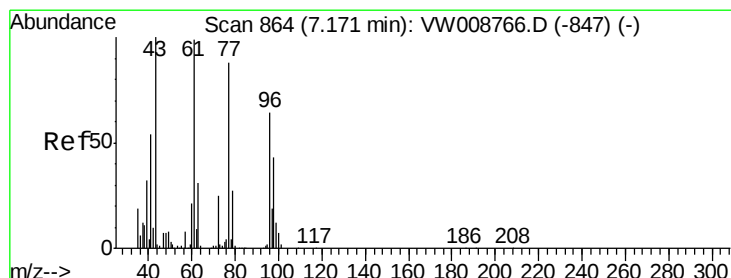
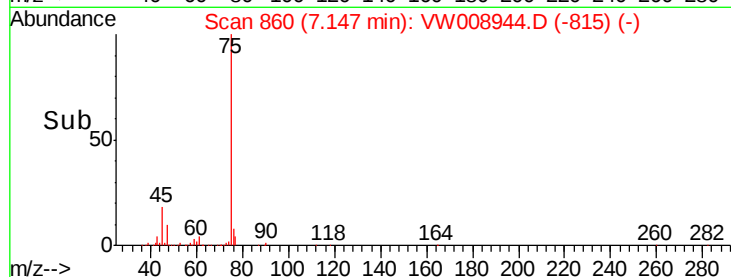
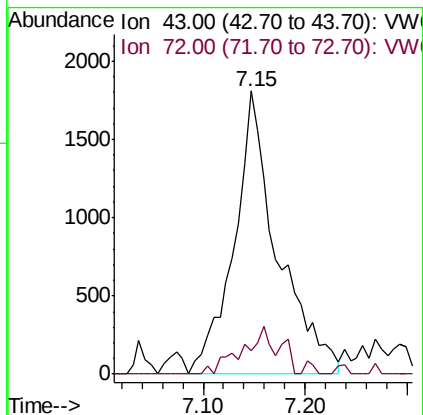
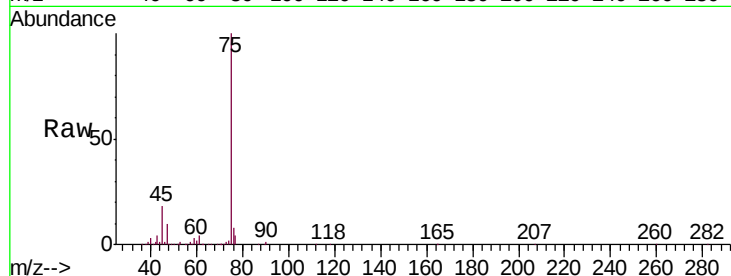
Z-3-11-ARE

Tgt Ion: 43 Resp: 5341

Ion Ratio Lower Upper

43 100

72 8.5 19.7 29.5#



#26

2,2-Dichloropropane

Concen: 1.015 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW008944.D

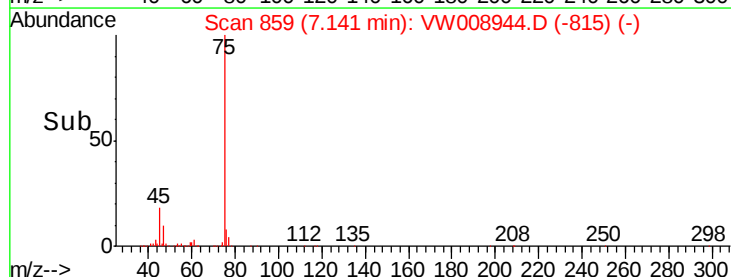
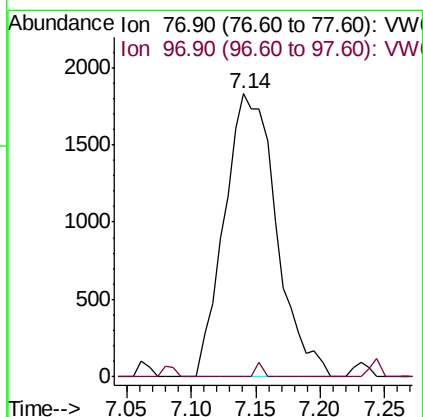
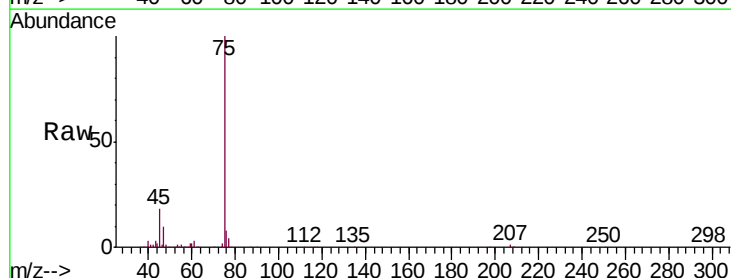
Acq: 02 Mar 2019 02:52

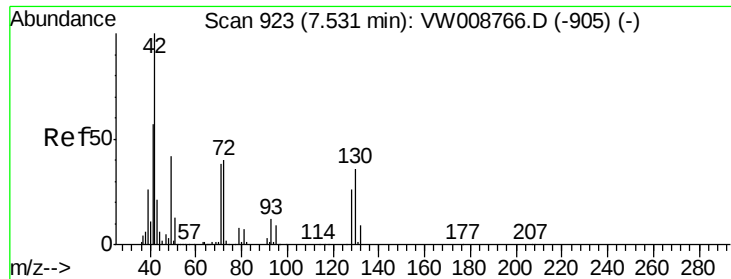
Tgt Ion: 77 Resp: 5120

Ion Ratio Lower Upper

77 100

97 0.7 11.0 33.0#

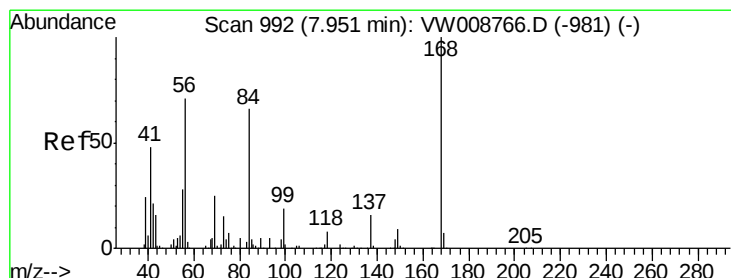
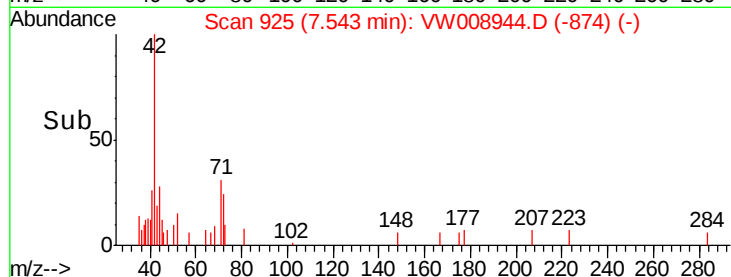
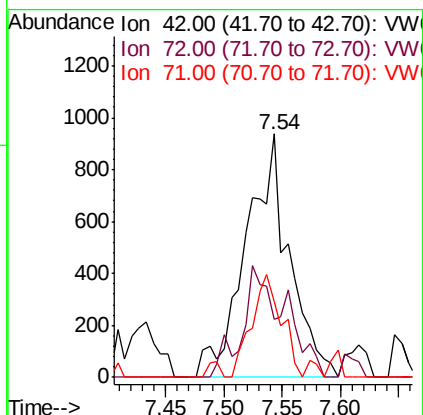
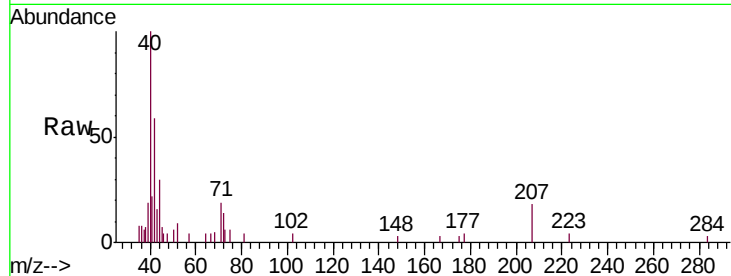




#29
Tetrahydrofuran
Concen: 3.947 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW008944.D
Acq: 02 Mar 2019 02:52

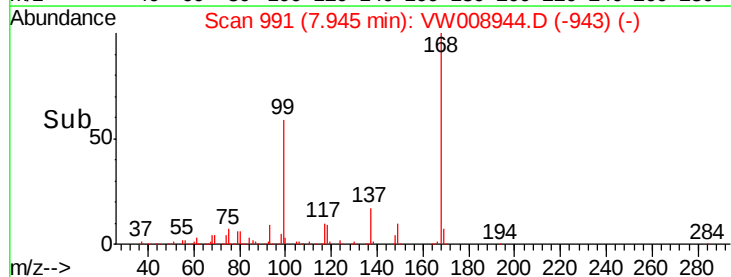
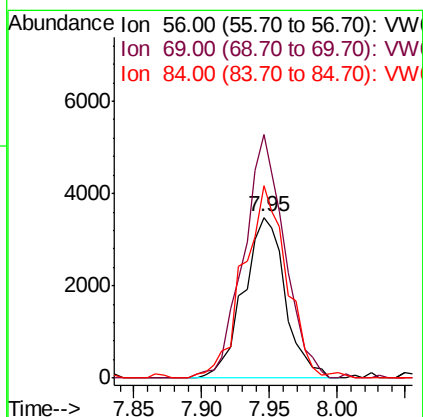
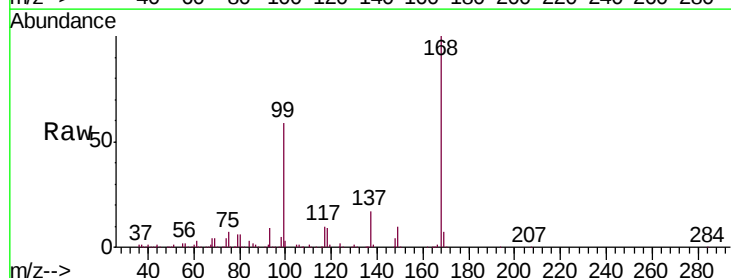
Instrument :
MSVOA_W
ClientSampled :
Z-3-11-ARE

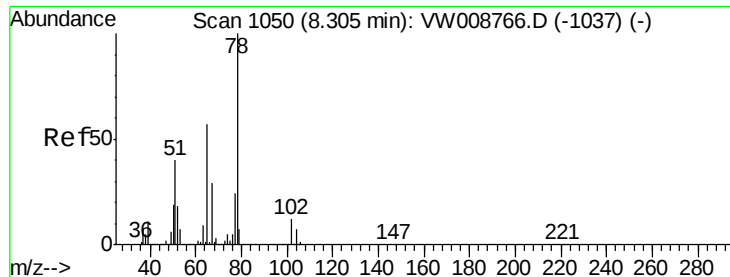
Tgt Ion: 42 Resp: 2432
Ion Ratio Lower Upper
42 100
72 45.9 32.7 49.1
71 29.5 31.3 46.9#



#31
Cyclohexane
Concen: 1.327 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008944.D
Acq: 02 Mar 2019 02:52

Tgt Ion: 56 Resp: 7466
Ion Ratio Lower Upper
56 100
69 151.2 28.2 42.4#
84 119.9 74.1 111.1#

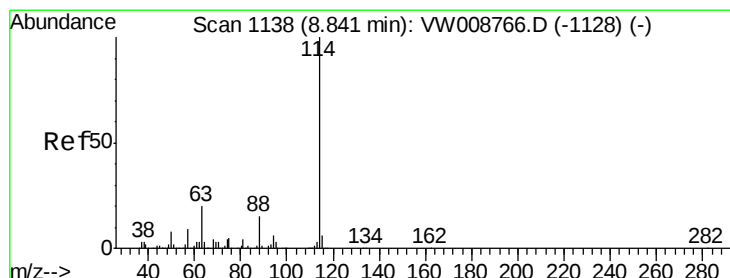
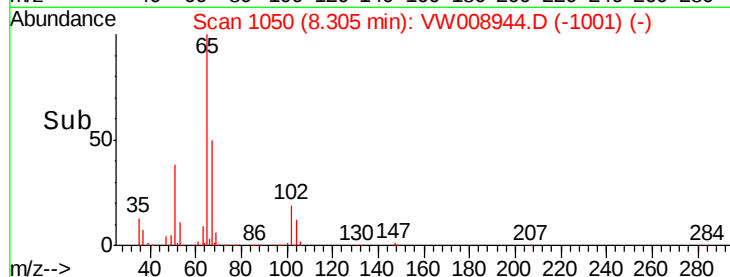
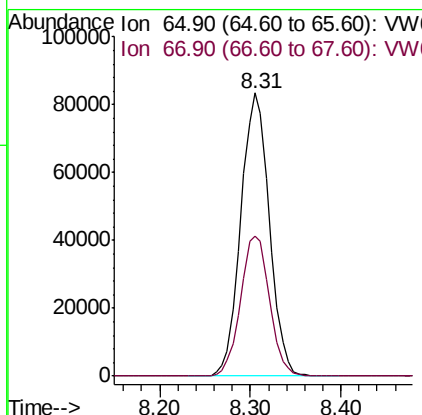
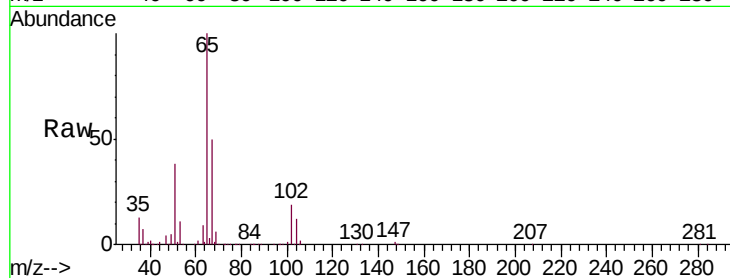




#33
 1,2-Dichloroethane-d4
 Concen: 60.856 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008944.D
 Acq: 02 Mar 2019 02:52

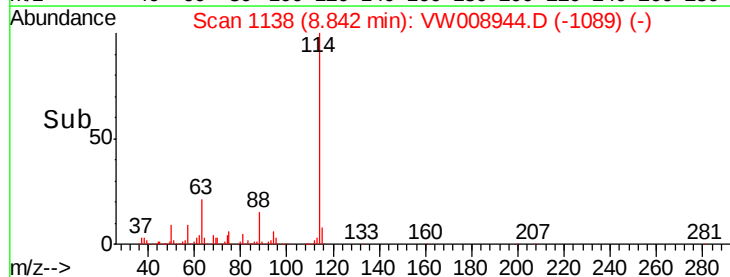
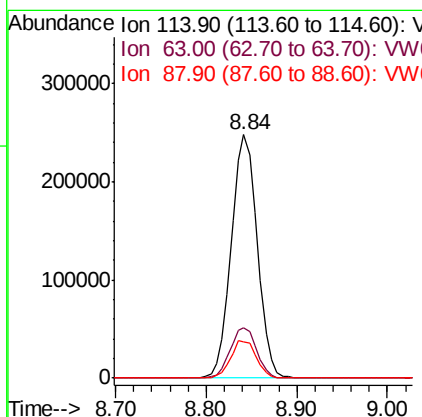
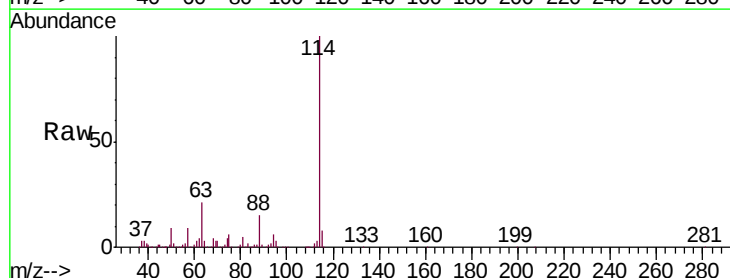
Instrument :
 MSVOA_W
 ClientSampleId :
 Z-3-11-ARE

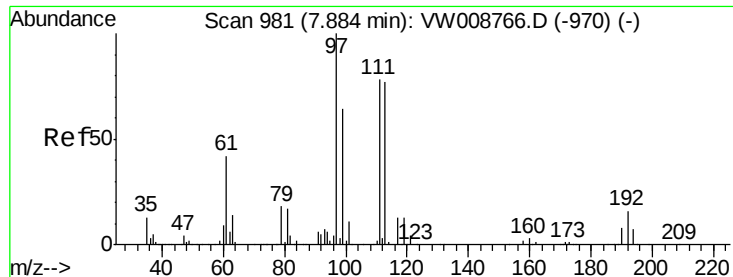
Tgt Ion: 65 Resp: 181552
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008944.D
 Acq: 02 Mar 2019 02:52

Tgt Ion: 114 Resp: 492232
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 40.8
 88 14.7 0.0 30.4

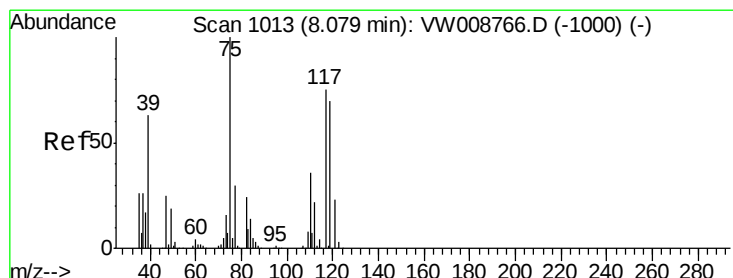
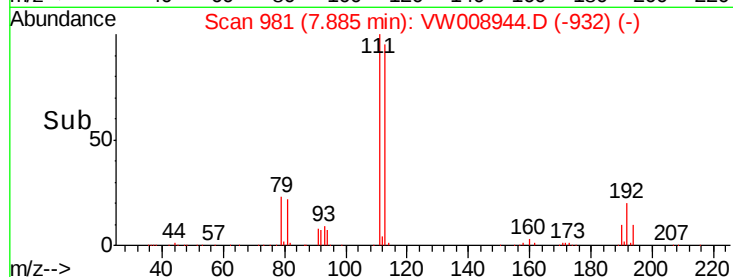
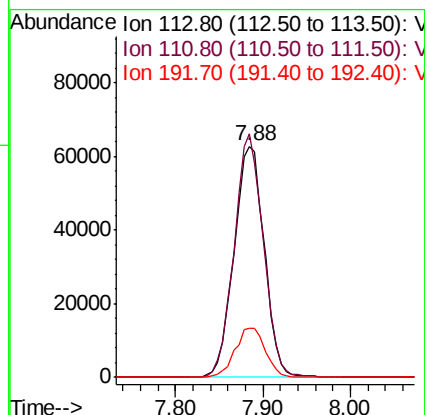
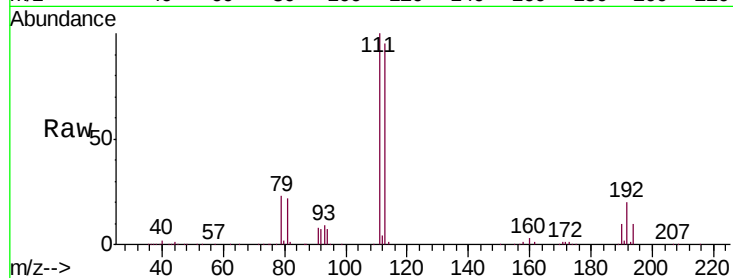




#35
 Dibromofluoromethane
 Concen: 50.971 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW008944.D
 Acq: 02 Mar 2019 02:52

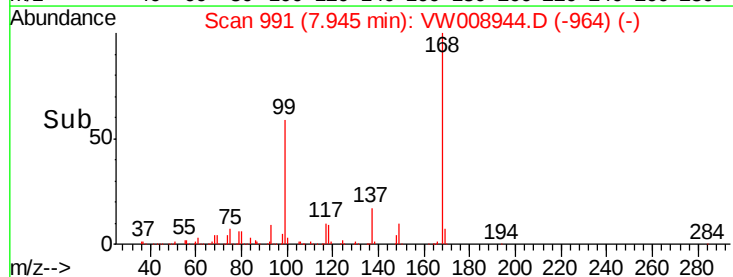
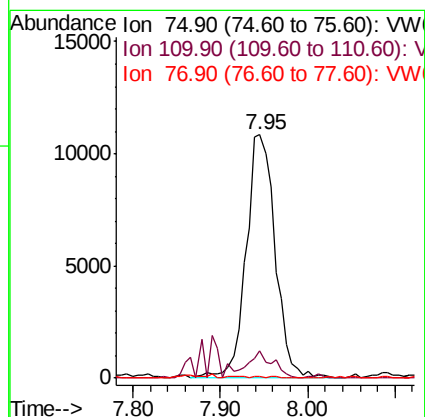
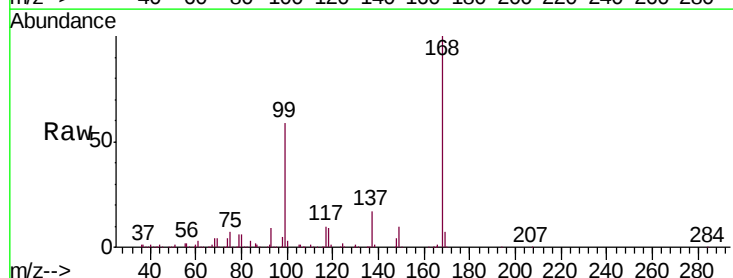
Instrument :
 MSVOA_W
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 Z-3-11-ARE

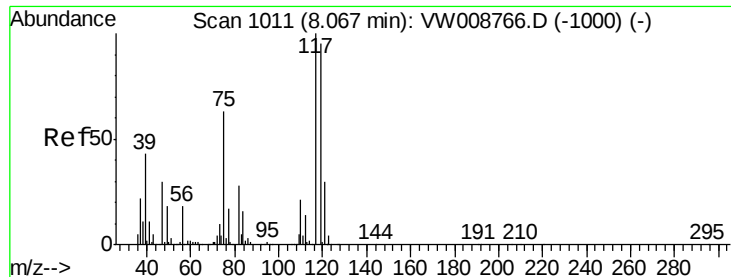
Tgt Ion:113 Resp: 150640
 Ion Ratio Lower Upper
 113 100
 111 101.9 81.9 122.9
 192 21.4 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 5.216 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008944.D
 Acq: 02 Mar 2019 02:52

Tgt Ion: 75 Resp: 24993
 Ion Ratio Lower Upper
 75 100
 110 8.8 17.5 52.6#
 77 0.2 24.5 36.7#

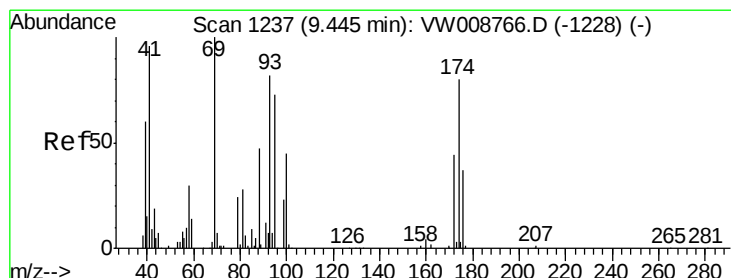
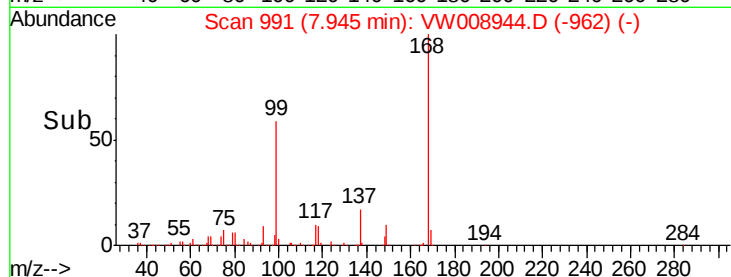
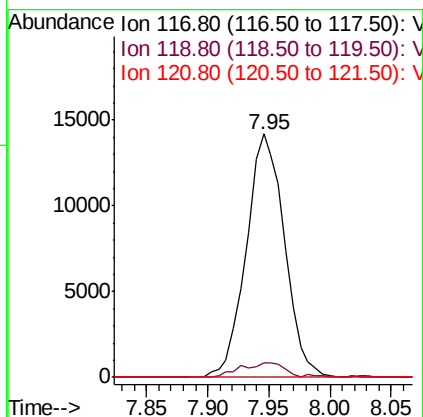
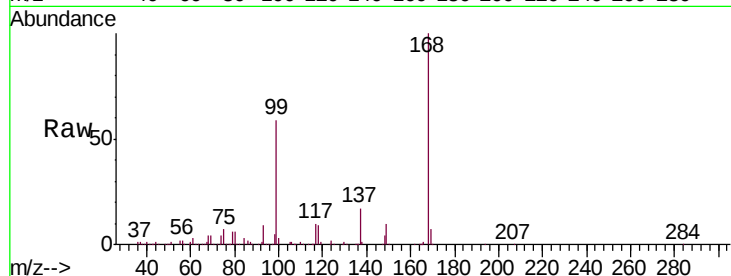




#38
Carbon Tetrachloride
Concen: 6.125 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW008944.D
Acq: 02 Mar 2019 02:52

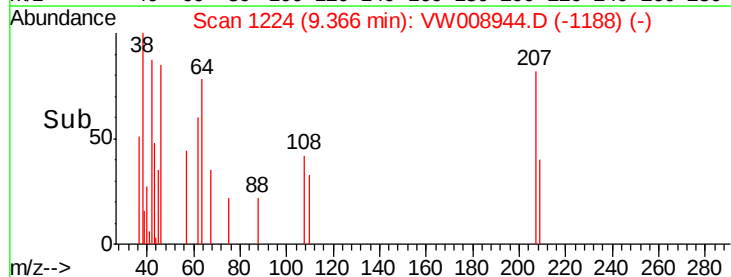
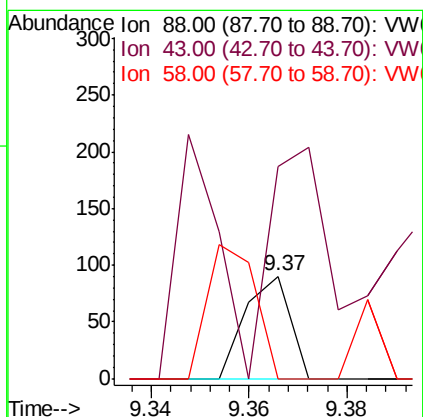
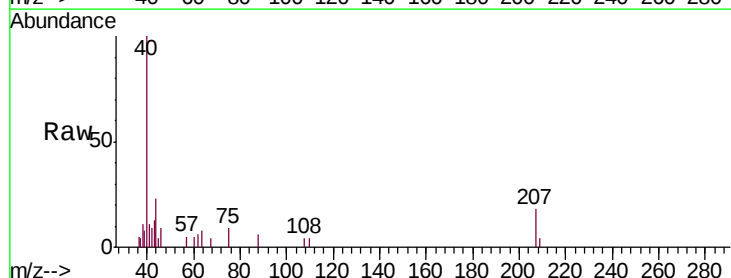
Instrument :
MSVOA_W
ClientSampled :
Z-3-11-ARE

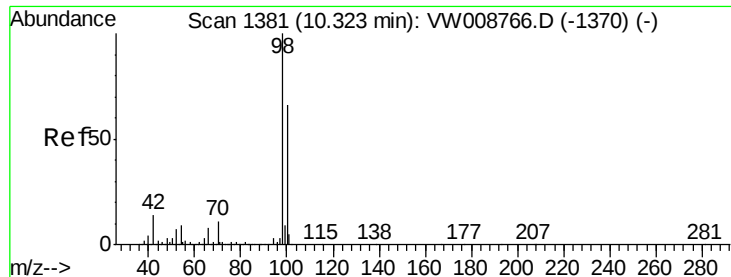
Tgt Ion:117 Resp: 30949
Ion Ratio Lower Upper
117 100
119 5.7 76.1 114.1#
121 0.0 24.0 36.0#



#49
1,4-Dioxane
Concen: 1.979 ug/l
RT: 9.37 min Scan# 1224
Delta R.T. -0.08 min
Lab File: VW008944.D
Acq: 02 Mar 2019 02:52

Tgt Ion: 88 Resp: 57
Ion Ratio Lower Upper
88 100
43 336.8 29.0 43.4#
58 0.0 52.0 78.0#





#50

Toluene-d8

Concen: 51.703 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008944.D

Acq: 02 Mar 2019 02:52

Instrument :

MSVOA_W

ClientSampleId :

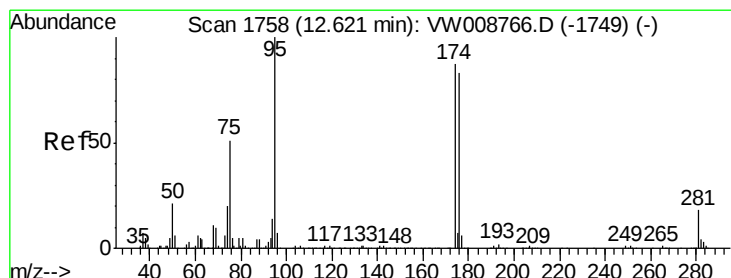
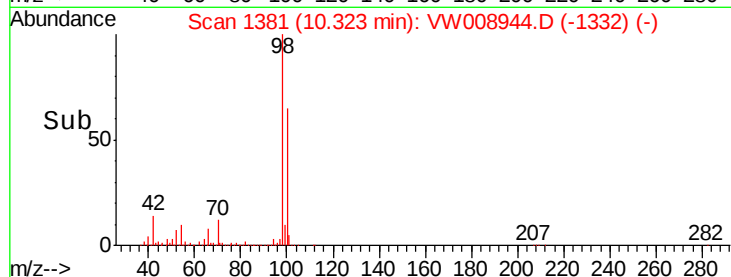
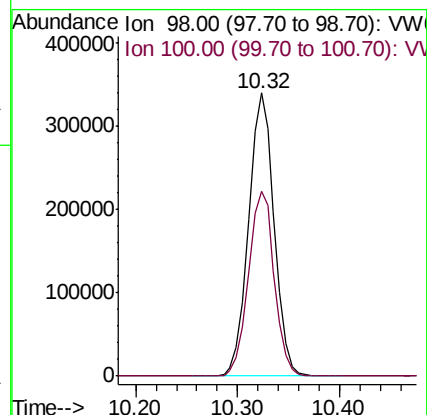
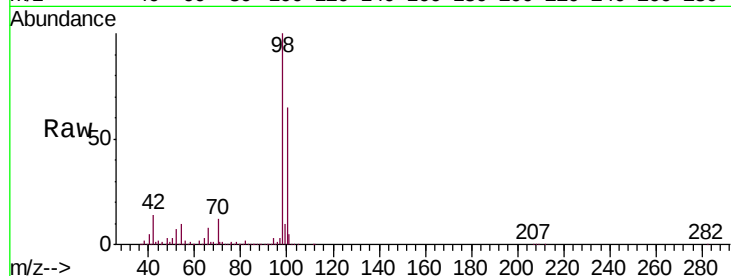
Z-3-11-ARE

Tgt Ion: 98 Resp: 589866

Ion Ratio Lower Upper

98 100

100 66.1 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 44.909 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008944.D

Acq: 02 Mar 2019 02:52

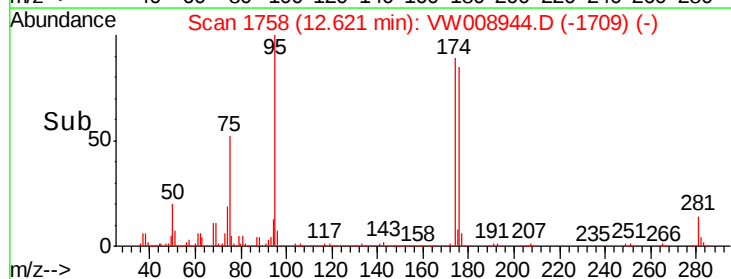
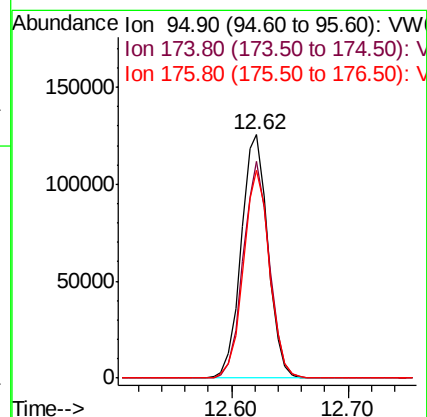
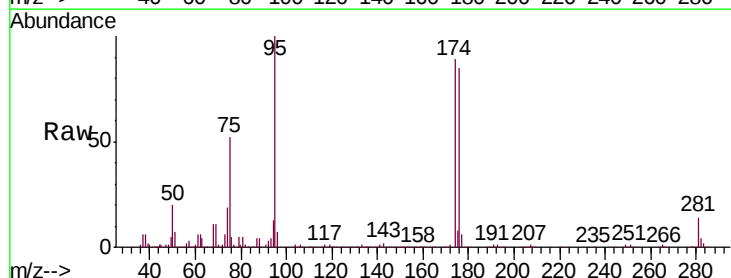
Tgt Ion: 95 Resp: 200608

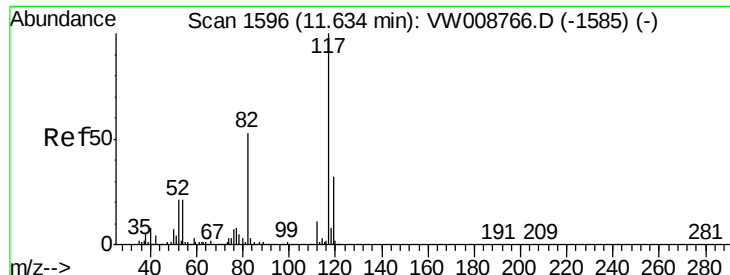
Ion Ratio Lower Upper

95 100

174 86.8 0.0 169.2

176 83.6 0.0 163.6

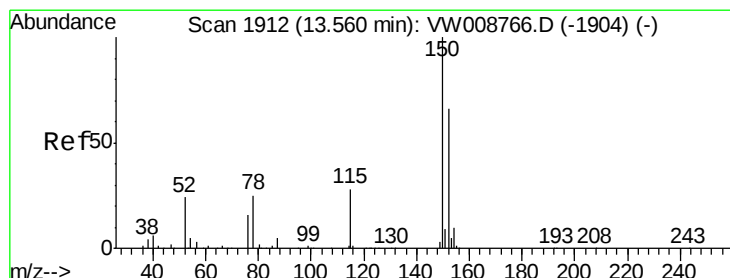
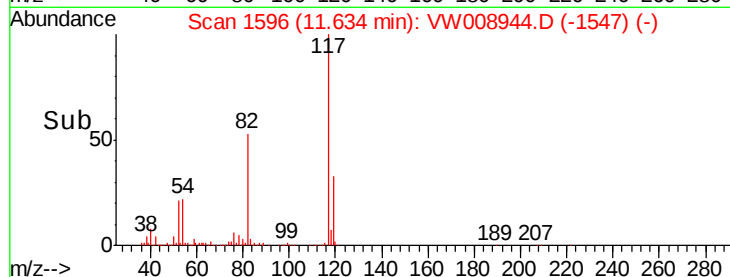
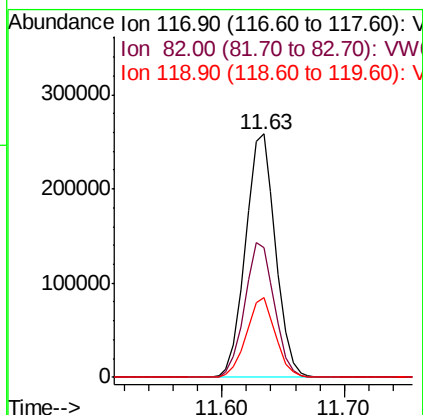
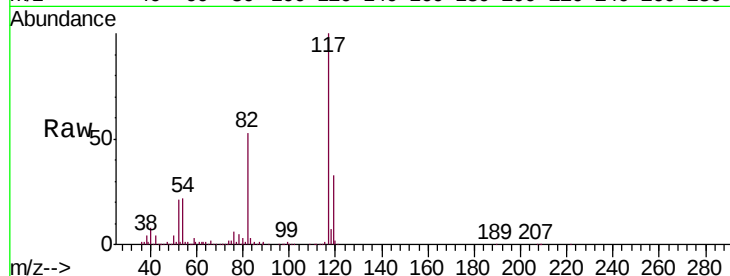




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008944.D
Acq: 02 Mar 2019 02:52

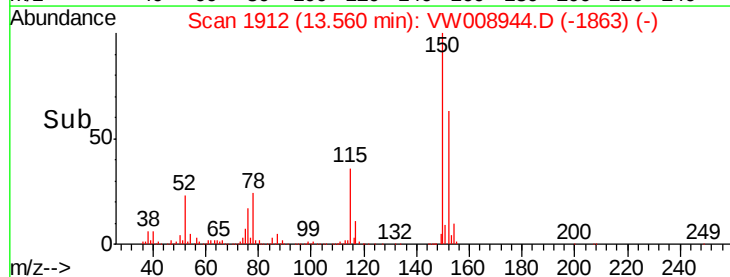
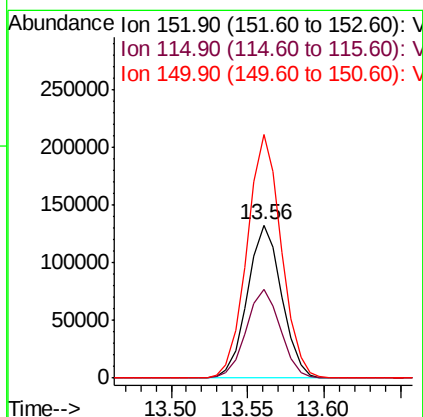
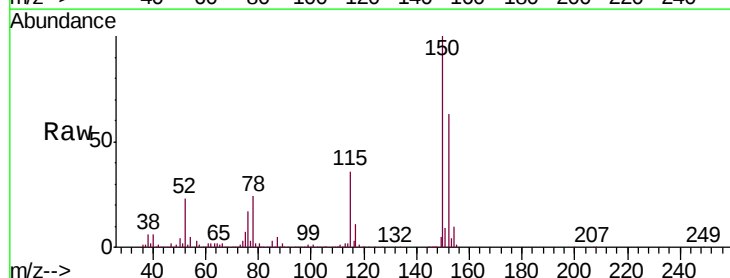
Instrument :
MSVOA_W
ClientSampleId :
Z-3-11-ARE

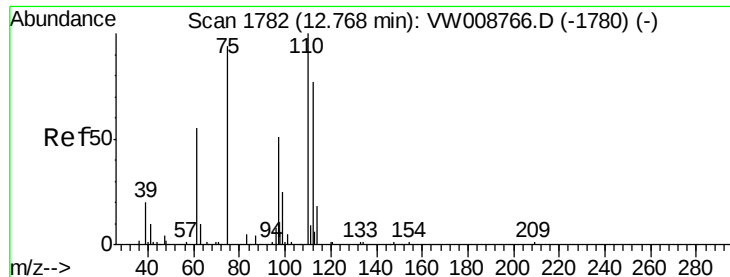
Tgt Ion:117 Resp: 440172
Ion Ratio Lower Upper
117 100
82 53.2 42.2 63.4
119 32.8 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008944.D
Acq: 02 Mar 2019 02:52

Tgt Ion:152 Resp: 206613
Ion Ratio Lower Upper
152 100
115 58.1 28.6 85.8
150 158.8 0.0 348.0

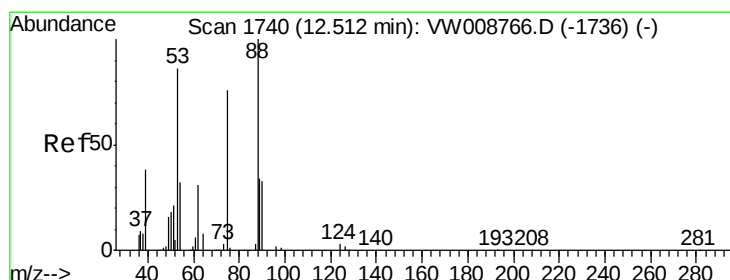
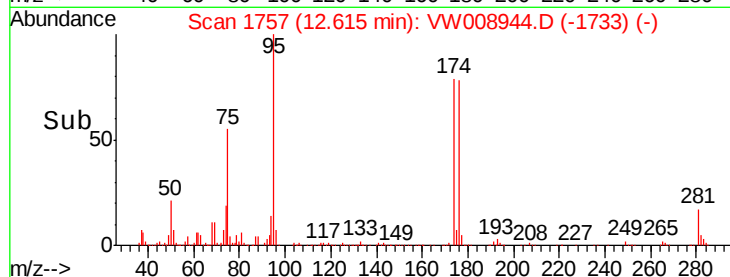
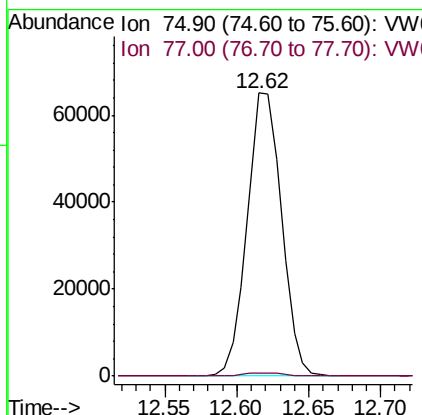
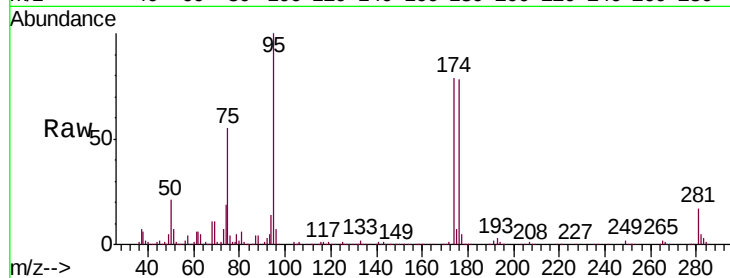




#76
 1,2,3-Trichloropropane
 Concen: 63.095 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW008944.D
 Acq: 02 Mar 2019 02:52

Instrument :
 MSVOA_W
 ClientSampleId :
 Z-3-11-ARE

Tgt Ion: 75 Resp: 107631
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 153.388 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW008944.D
 Acq: 02 Mar 2019 02:52

Tgt Ion: 75 Resp: 107631
 Ion Ratio Lower Upper
 75 100
 53 0.1 88.2 132.2#
 89 0.3 39.5 59.3#

