

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW030219\
 Data File : VW008951.D
 Acq On : 02 Mar 2019 06:00
 Operator : SY/VA
 Sample : K1675-23RE
 Misc : 5.77G/5ML/MSVOA_W/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 Z-3-12-ARE

Quant Time: Mar 03 23:52:25 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	300918	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	468939	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	415979	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	197460	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	174403	61.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.58%	
35) Dibromofluoromethane	7.88	113	146473	52.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.04%	
50) Toluene-d8	10.32	98	561866	51.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.38%	
62) 4-Bromofluorobenzene	12.62	95	186694	43.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.74%	

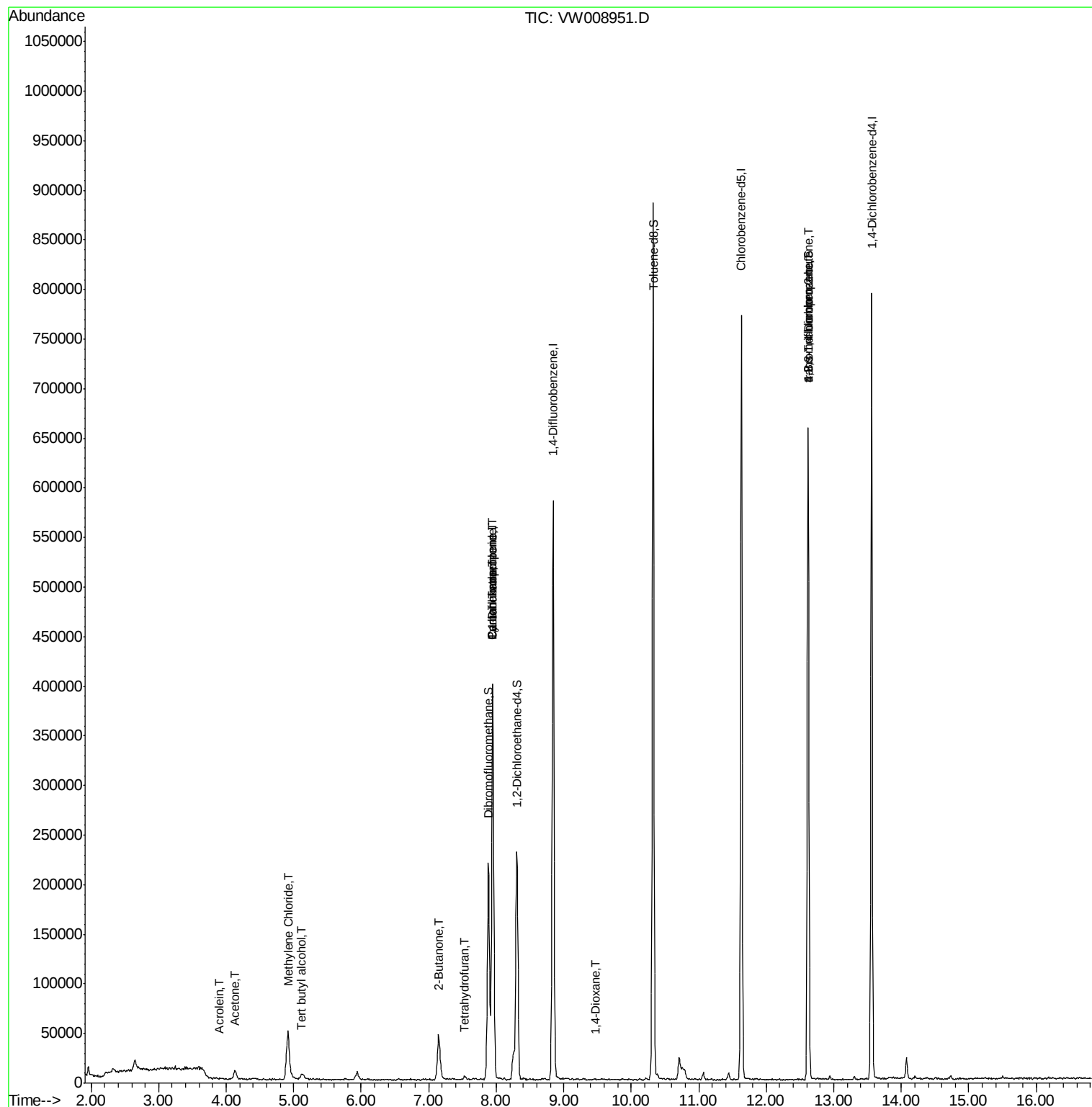
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.11	59	5034	20.035	ug/l #	74
13) Acrolein	3.90	56	103	20.138	ug/l #	1
16) Acetone	4.13	43	15999	24.456	ug/l	95
20) Methylene Chloride	4.92	84	35488	6.575	ug/l	95
25) 2-Butanone	7.15	43	2826	3.090	ug/l #	74
29) Tetrahydrofuran	7.54	42	1328	2.278	ug/l #	87
31) Cyclohexane	7.95	56	6830	1.284	ug/l #	3
36) 1,1-Dichloropropene	7.95	75	23639	5.179	ug/l #	50
38) Carbon Tetrachloride	7.95	117	28996	6.023	ug/l #	17
49) 1,4-Dioxane	9.46	88	49	1.786	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	100465	61.624	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	100465	149.812	ug/l #	6

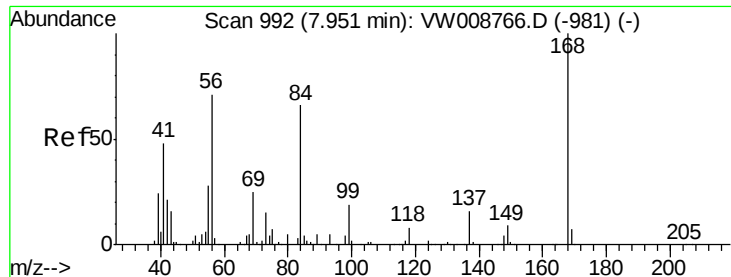
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VW008951.D

Acq: 02 Mar 2019 06:00

Instrument :

MSVOA_W

ClientSampleId :

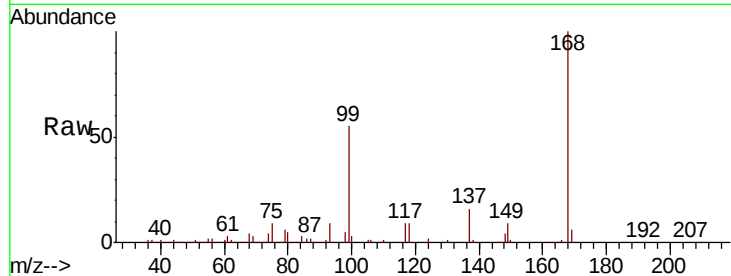
Z-3-12-ARE

Tgt Ion:168 Resp: 300918

Ion Ratio Lower Upper

168 100

99 55.3 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

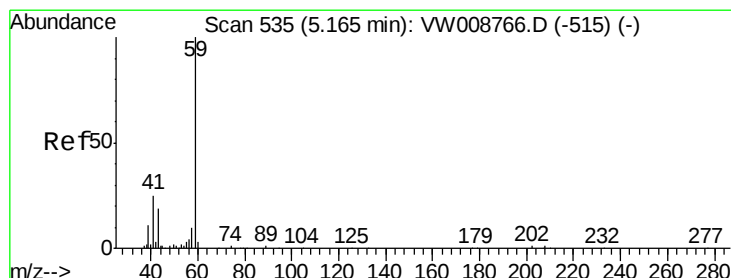
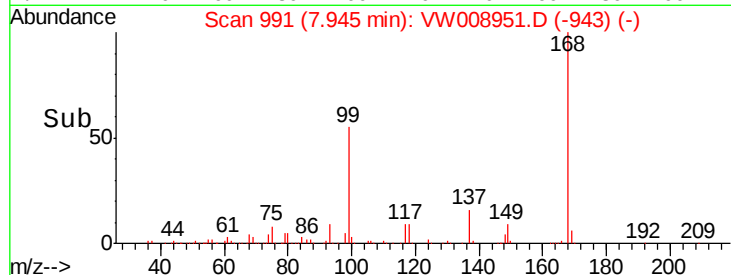
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#11

Tert butyl alcohol

Concen: 20.035 ug/l

RT: 5.11 min Scan# 526

Delta R.T. -0.05 min

Lab File: VW008951.D

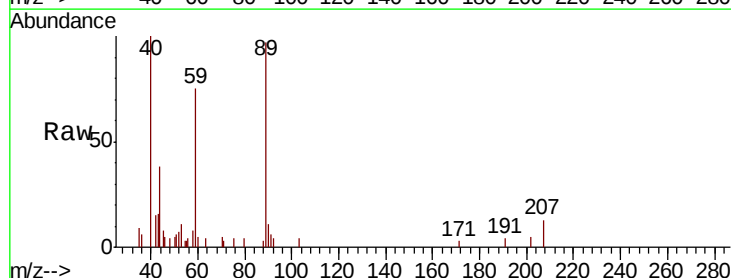
Acq: 02 Mar 2019 06:00

Tgt Ion: 59 Resp: 5034

Ion Ratio Lower Upper

59 100

57 1.5 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

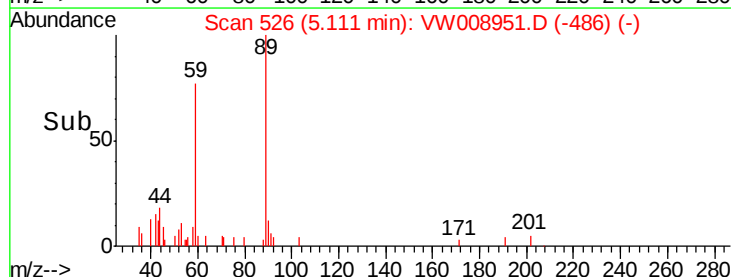
1500

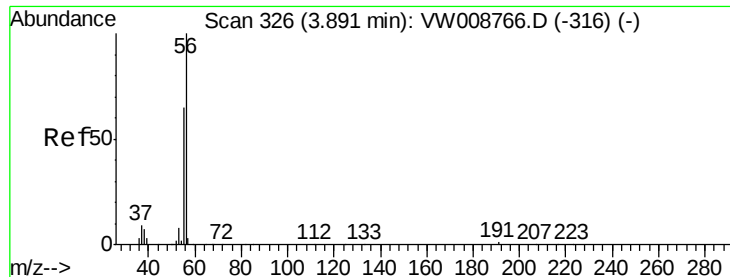
1000

500

0

Time--> 5.00 5.10 5.20





#13

Acrolein

Concen: 20.138 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.01 min

Lab File: VW008951.D

Acq: 02 Mar 2019 06:00

Instrument :

MSVOA_W

ClientSampled :

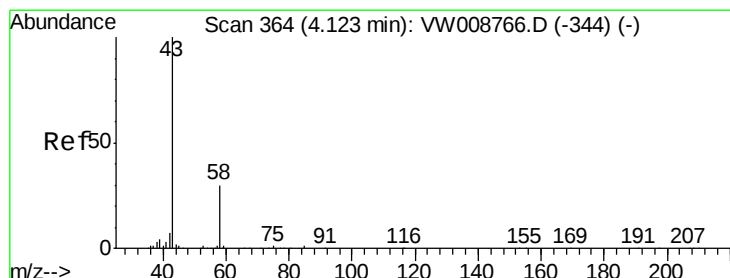
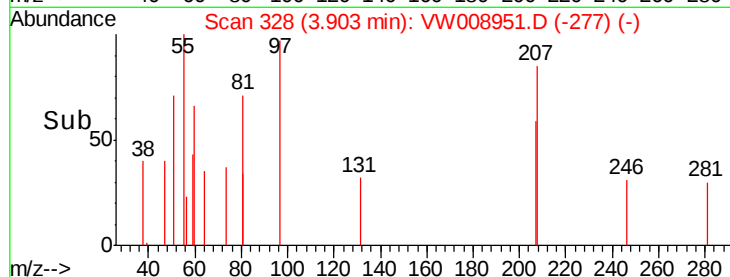
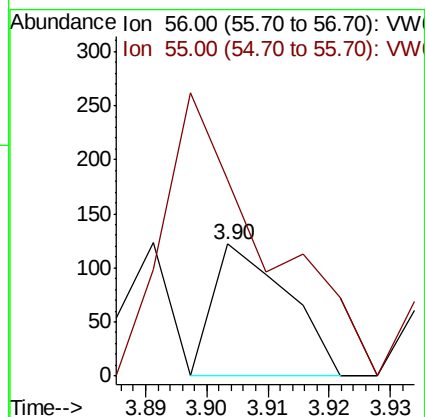
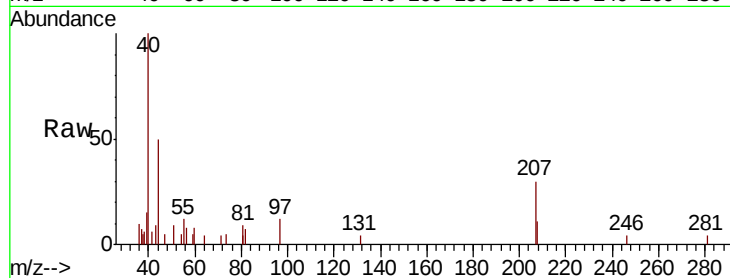
Z-3-12-ARE

Tgt Ion: 56 Resp: 103

Ion Ratio Lower Upper

56 100

55 317.5 56.9 85.3#



#16

Acetone

Concen: 24.456 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008951.D

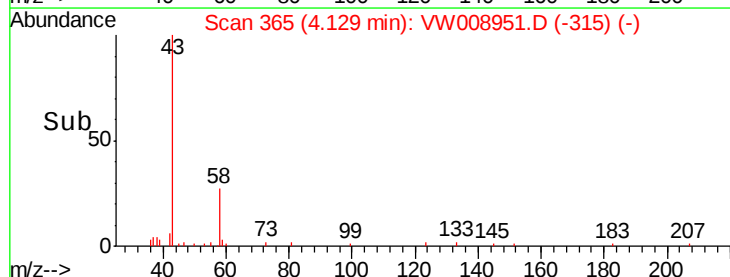
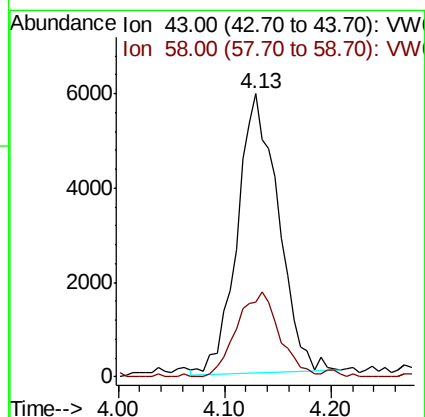
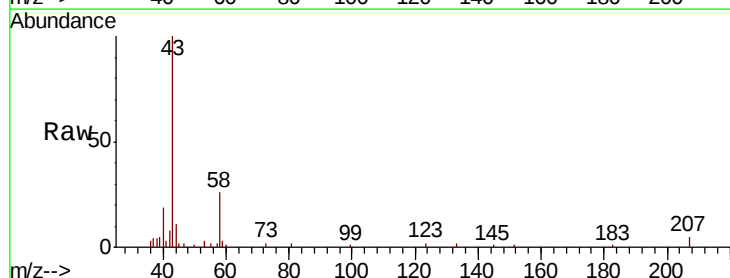
Acq: 02 Mar 2019 06:00

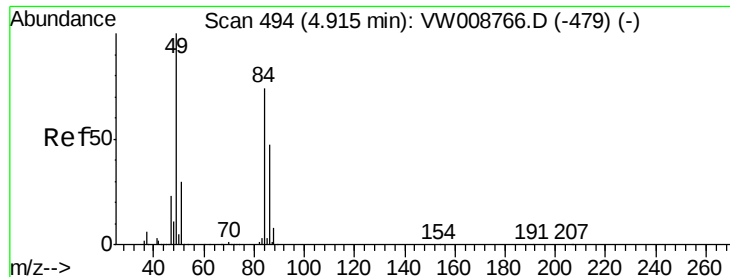
Tgt Ion: 43 Resp: 15999

Ion Ratio Lower Upper

43 100

58 27.1 23.8 35.6

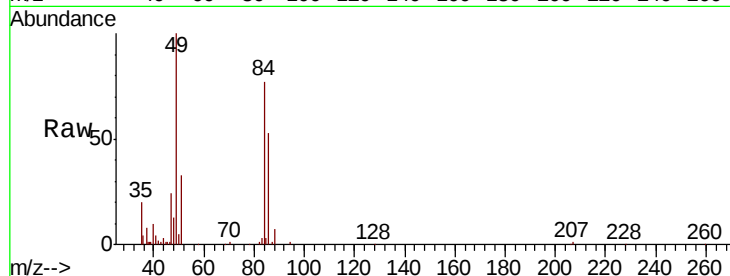




#20
Methylene Chloride
Concen: 6.575 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW008951.D
Acq: 02 Mar 2019 06:00

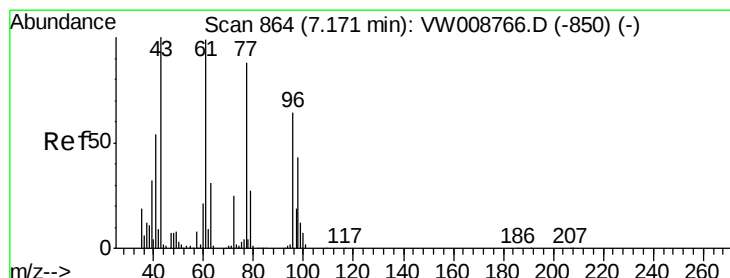
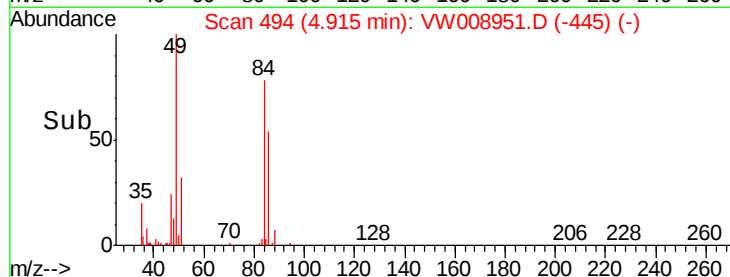
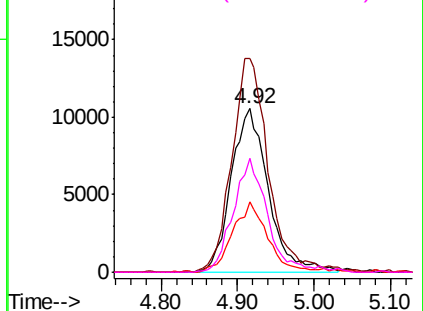
Instrument :
MSVOA_W
ClientSampled :
Z-3-12-ARE

Tgt Ion: 84 Resp: 35488
Ion Ratio Lower Upper
84 100
49 129.9 108.2 162.2
51 42.3 32.7 49.1
86 69.7 50.3 75.5



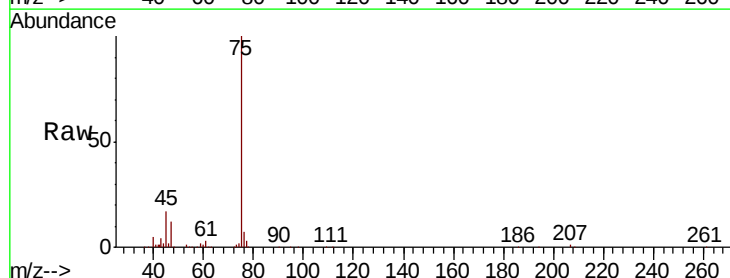
Abundance

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



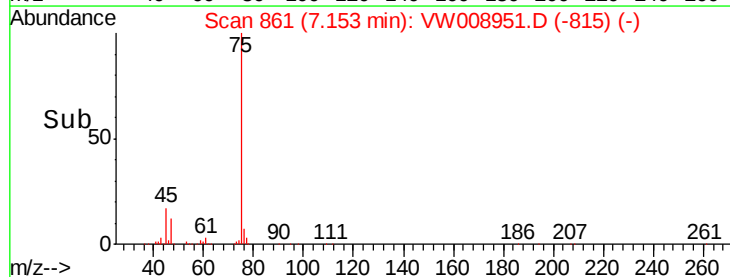
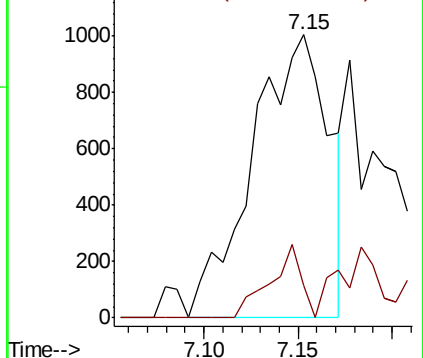
#25
2-Butanone
Concen: 3.090 ug/l
RT: 7.15 min Scan# 861
Delta R.T. -0.02 min
Lab File: VW008951.D
Acq: 02 Mar 2019 06:00

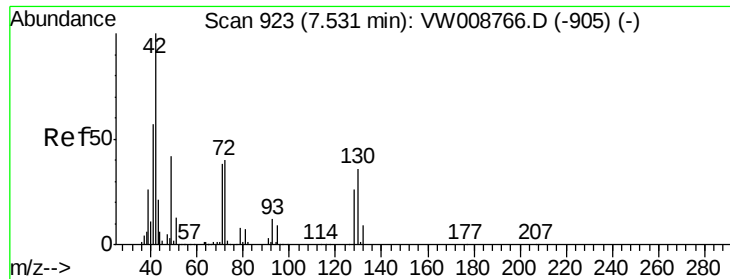
Tgt Ion: 43 Resp: 2826
Ion Ratio Lower Upper
43 100
72 11.7 19.7 29.5#



Abundance

Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW





#29

Tetrahydrofuran

Concen: 2.278 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW008951.D

Acq: 02 Mar 2019 06:00

Instrument :

MSVOA_W

ClientSampled :

Z-3-12-ARE

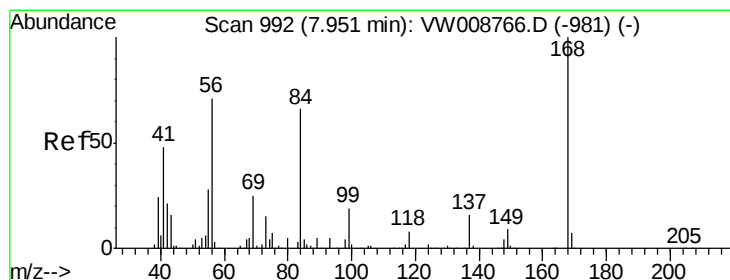
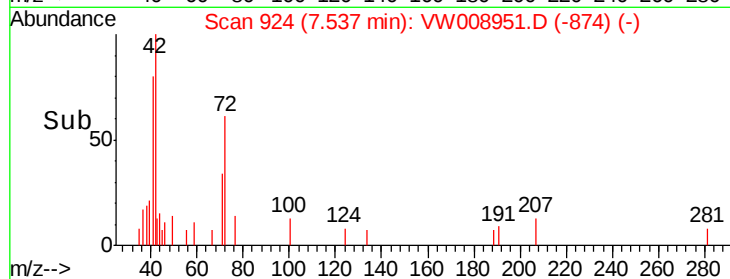
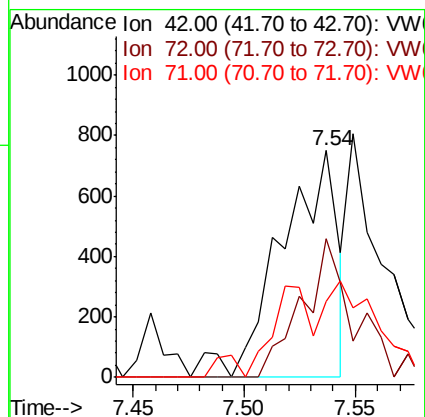
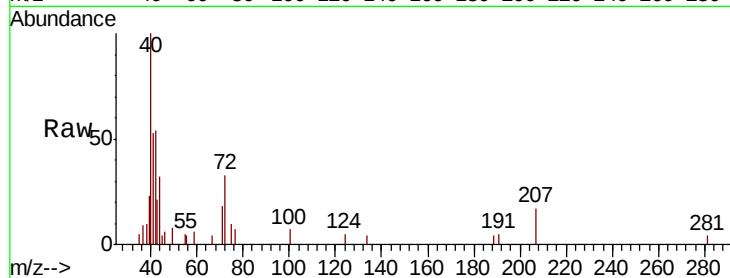
Tgt Ion: 42 Resp: 1328

Ion Ratio Lower Upper

42 100

72 55.8 32.7 49.1#

71 38.7 31.3 46.9



#31

Cyclohexane

Concen: 1.284 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008951.D

Acq: 02 Mar 2019 06:00

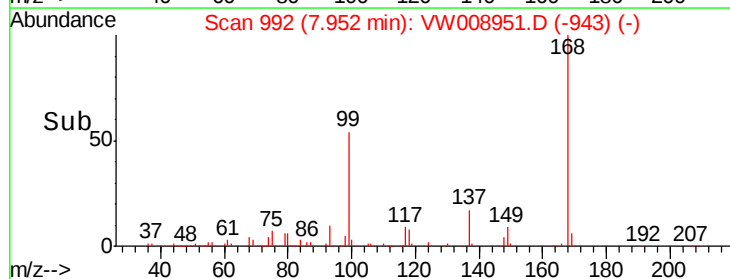
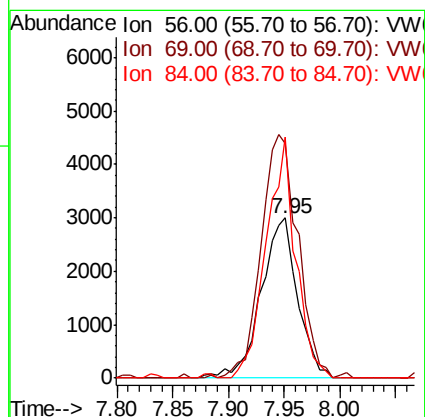
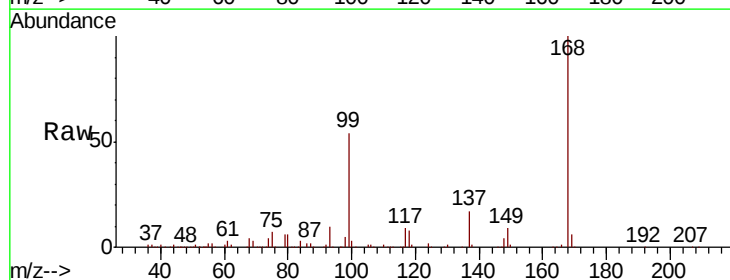
Tgt Ion: 56 Resp: 6830

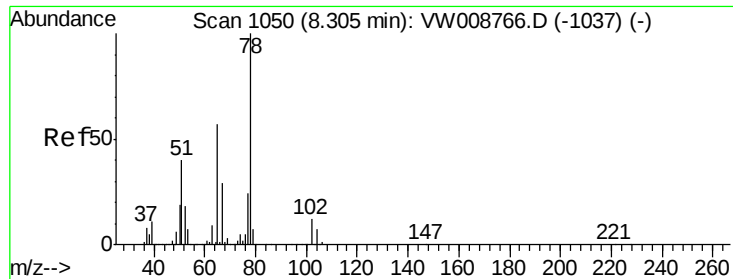
Ion Ratio Lower Upper

56 100

69 146.3 28.2 42.4#

84 151.0 74.1 111.1#

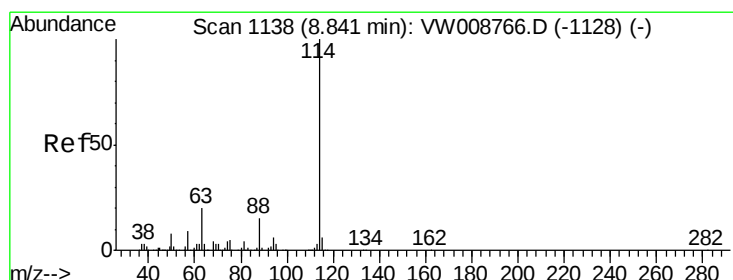
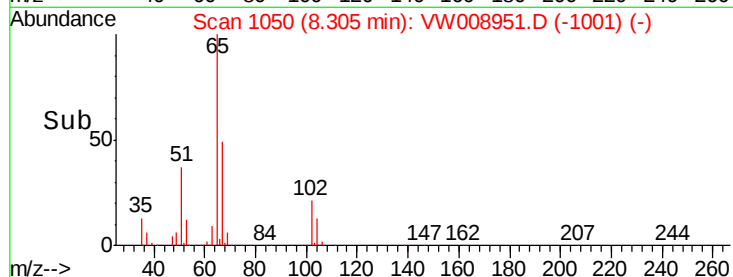
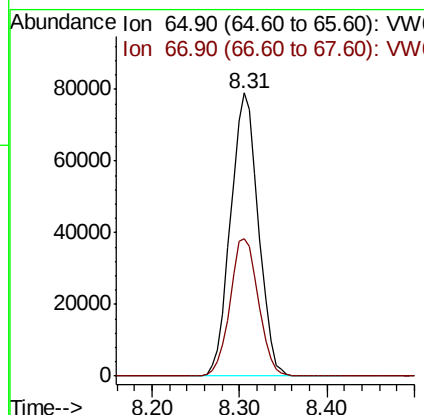
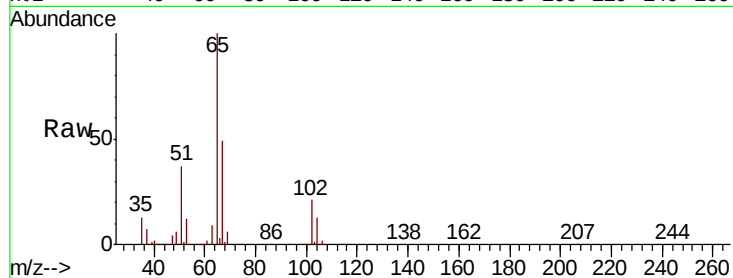




#33
 1,2-Dichloroethane-d4
 Concen: 61.794 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008951.D
 Acq: 02 Mar 2019 06:00

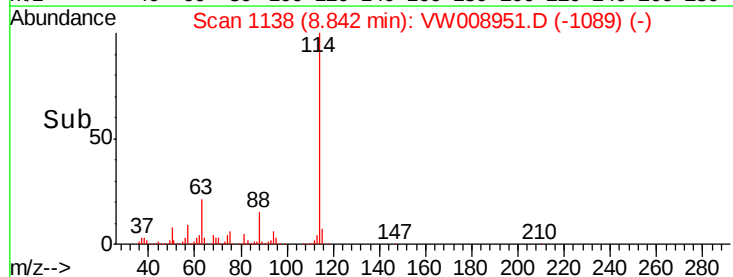
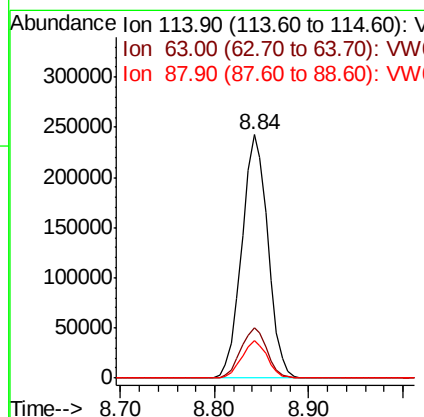
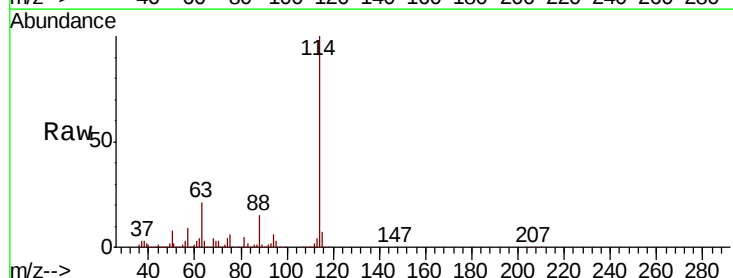
Instrument :
 MSVOA_W
 ClientSampleId :
 Z-3-12-ARE

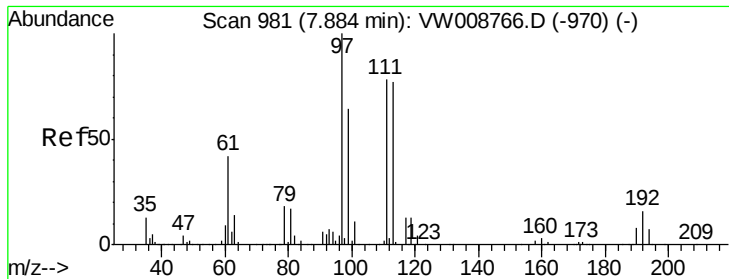
Tgt Ion: 65 Resp: 174403
 Ion Ratio Lower Upper
 65 100
 67 49.7 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008951.D
 Acq: 02 Mar 2019 06:00

Tgt Ion: 114 Resp: 468939
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 40.8
 88 15.2 0.0 30.4

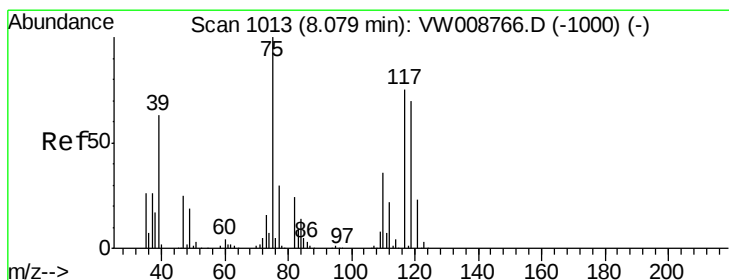
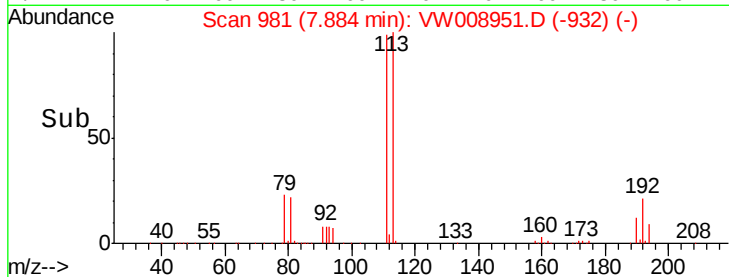
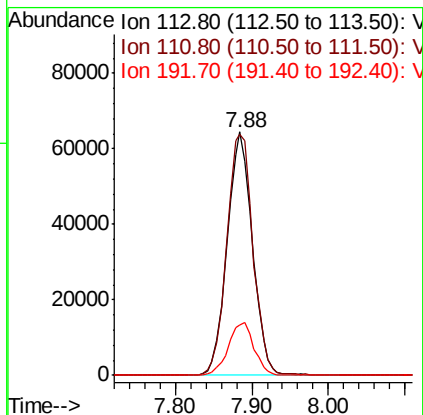
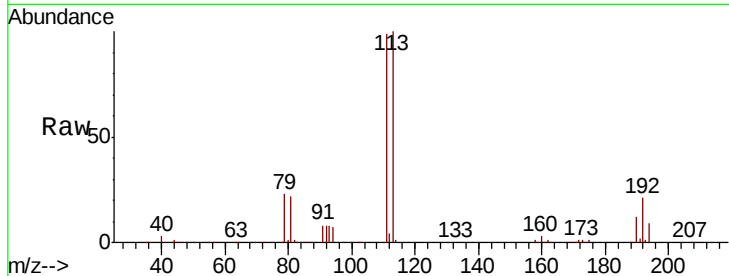




#35
 Dibromofluoromethane
 Concen: 52.023 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW008951.D
 Acq: 02 Mar 2019 06:00

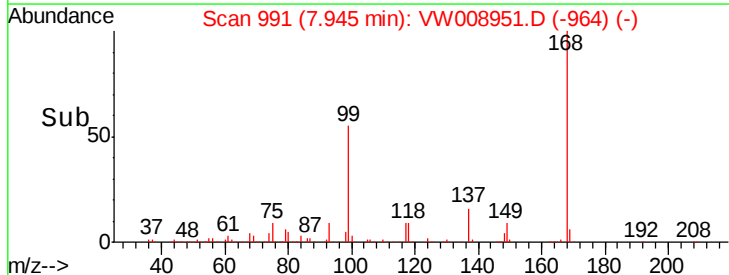
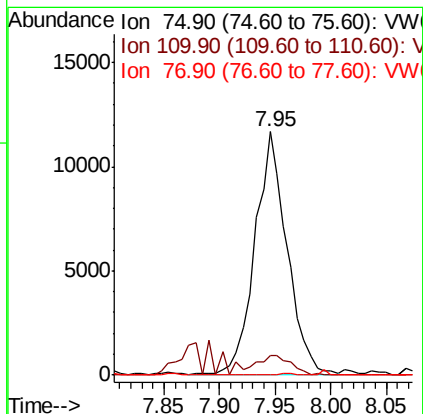
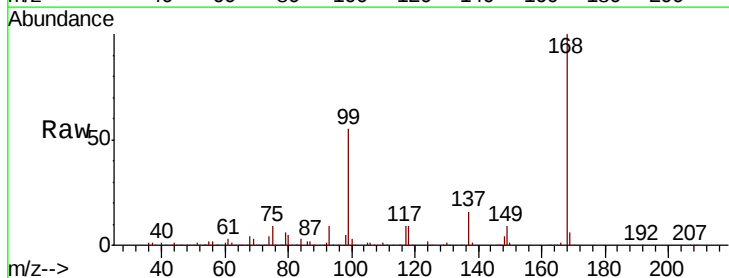
Instrument :
 MSVOA_W
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 Z-3-12-ARE

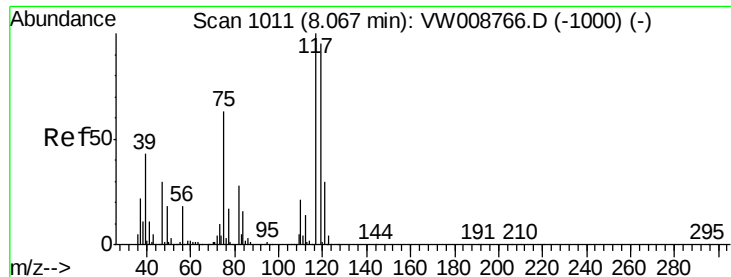
Tgt Ion:113 Resp: 146473
 Ion Ratio Lower Upper
 113 100
 111 103.1 81.9 122.9
 192 22.0 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 5.179 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008951.D
 Acq: 02 Mar 2019 06:00

Tgt Ion: 75 Resp: 23639
 Ion Ratio Lower Upper
 75 100
 110 8.5 17.5 52.6#
 77 0.3 24.5 36.7#





#38

Carbon Tetrachloride

Concen: 6.023 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW008951.D

Acq: 02 Mar 2019 06:00

Instrument :

MSVOA_W

ClientSampleId :

Z-3-12-ARE

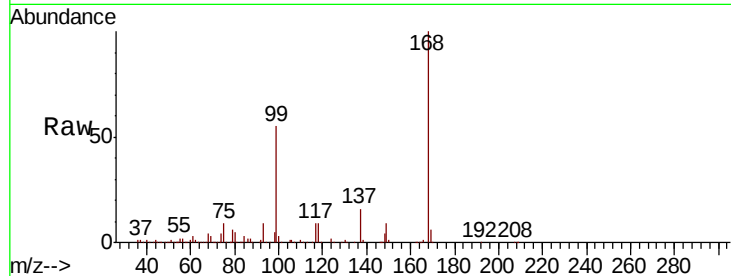
Tgt Ion:117 Resp: 28996

Ion Ratio Lower Upper

117 100

119 5.4 76.1 114.1#

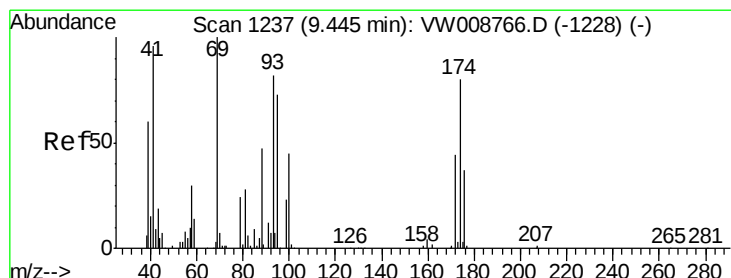
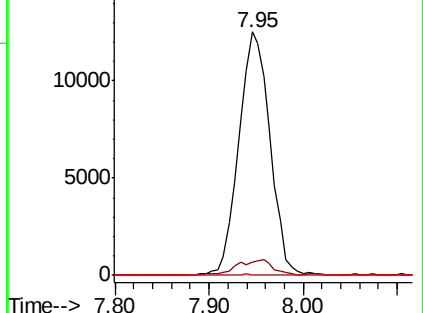
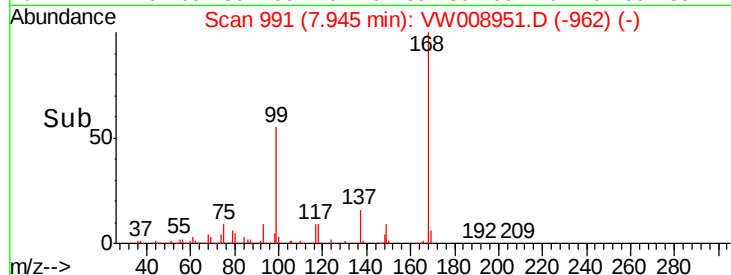
121 0.0 24.0 36.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 1.786 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.02 min

Lab File: VW008951.D

Acq: 02 Mar 2019 06:00

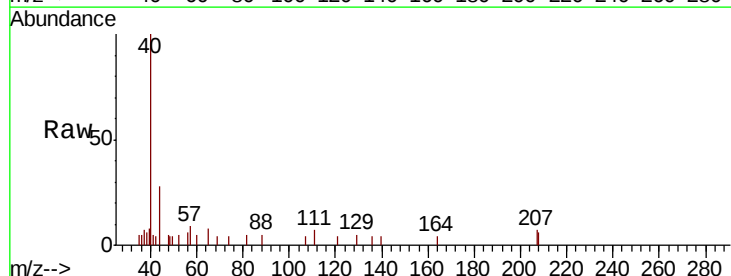
Tgt Ion: 88 Resp: 49

Ion Ratio Lower Upper

88 100

43 38.8 29.0 43.4

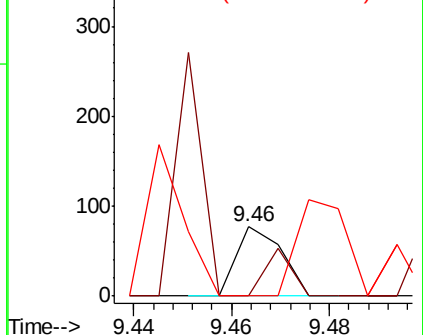
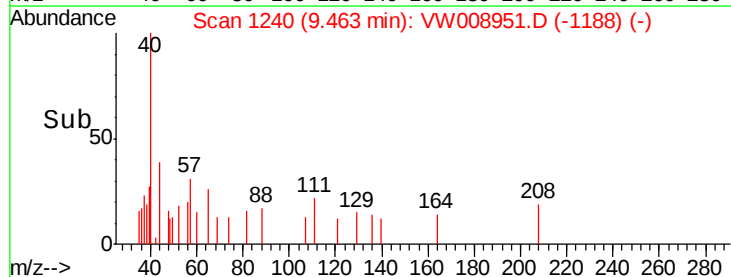
58 195.9 52.0 78.0#

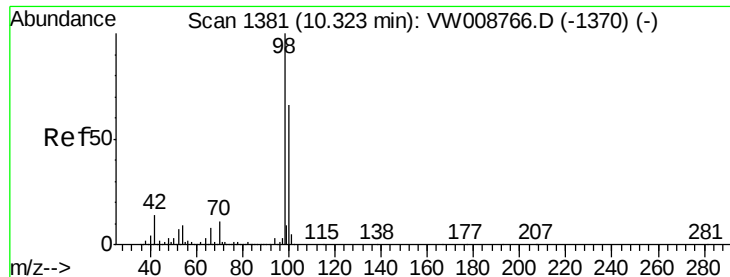


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 51.695 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008951.D

Acq: 02 Mar 2019 06:00

Instrument :

MSVOA_W

ClientSampleId :

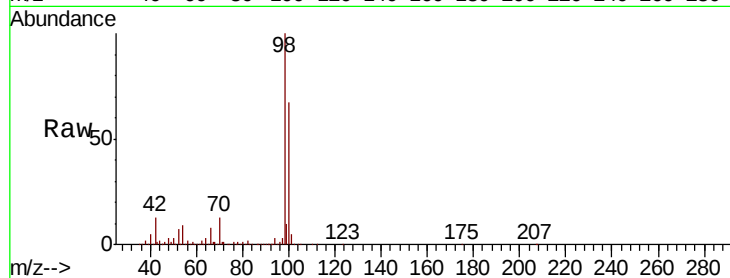
Z-3-12-ARE

Tgt Ion: 98 Resp: 561866

Ion Ratio Lower Upper

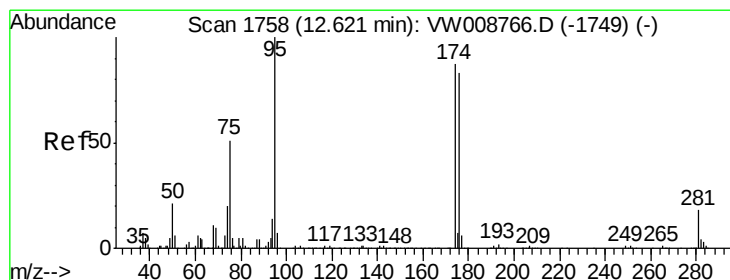
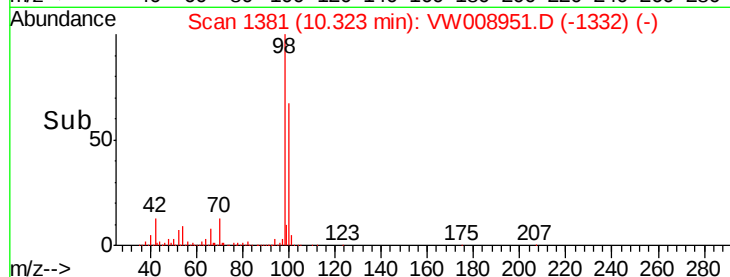
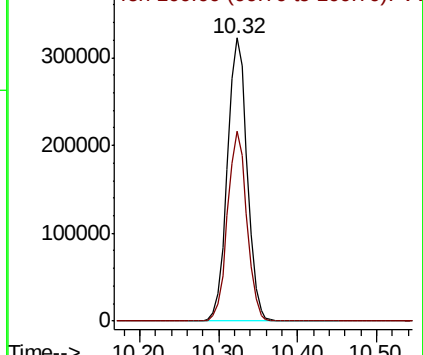
98 100

100 65.3 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: 43.870 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008951.D

Acq: 02 Mar 2019 06:00

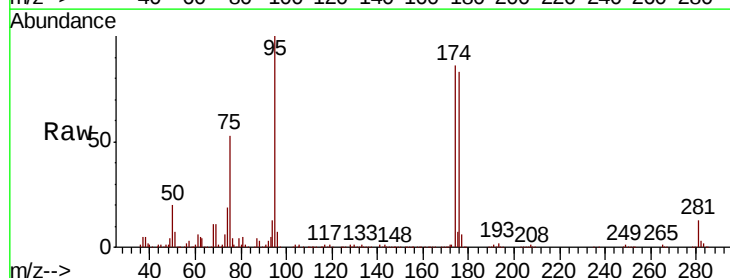
Tgt Ion: 95 Resp: 186694

Ion Ratio Lower Upper

95 100

174 85.9 0.0 169.2

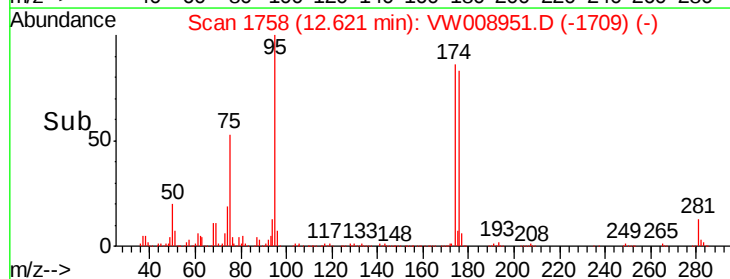
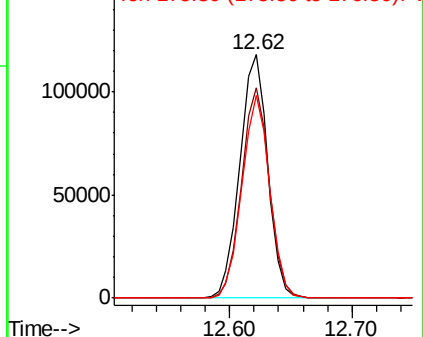
176 83.0 0.0 163.6

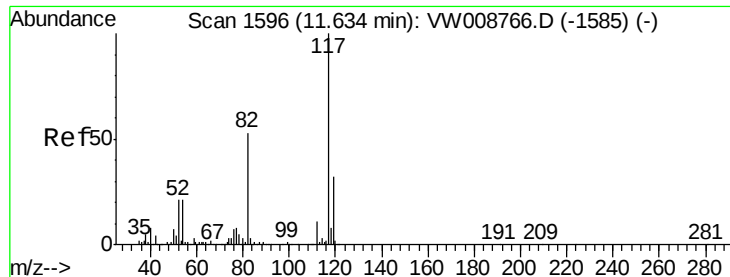


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

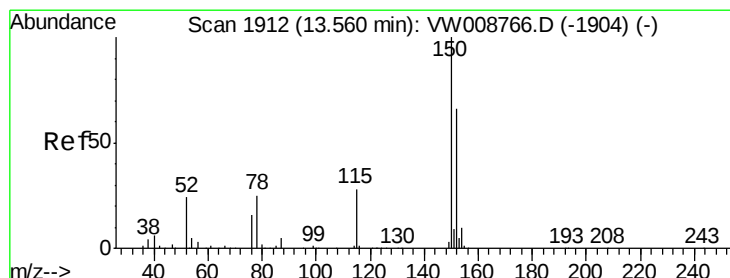
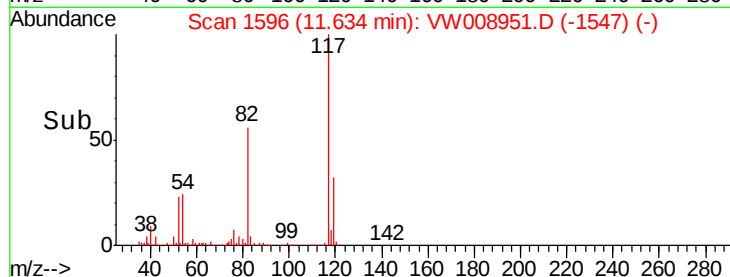
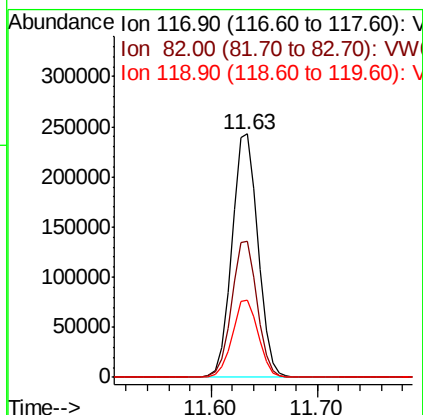
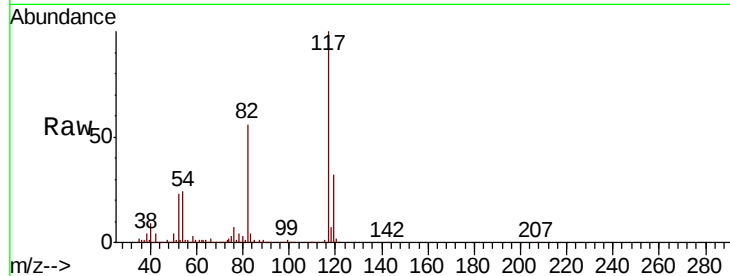




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008951.D
Acq: 02 Mar 2019 06:00

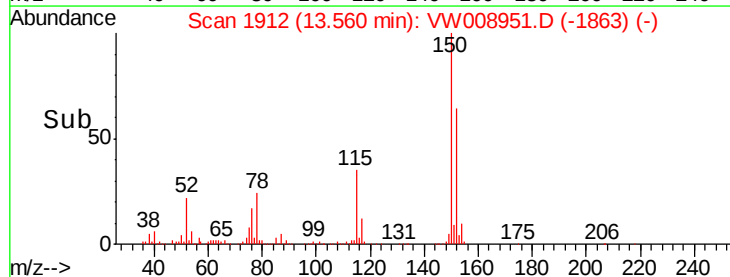
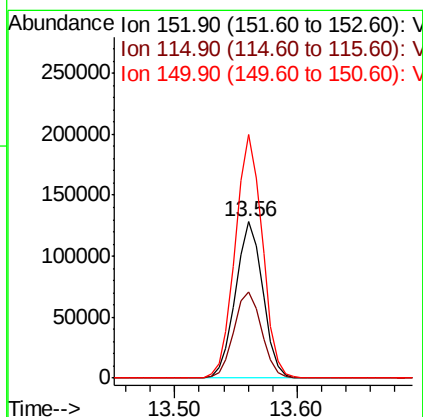
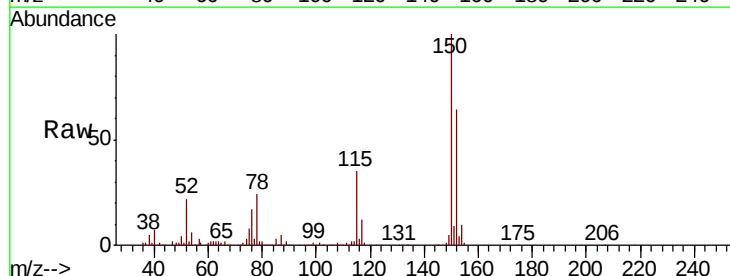
Instrument :
MSVOA_W
ClientSampleId :
Z-3-12-ARE

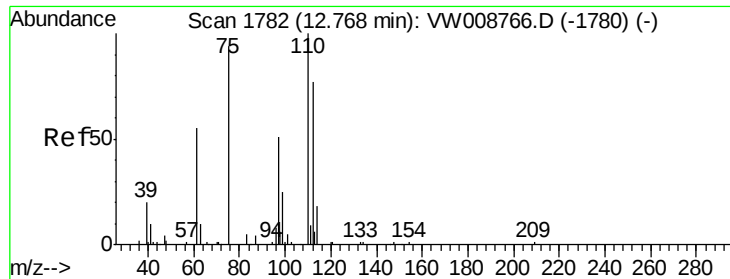
Tgt Ion:117 Resp: 415979
Ion Ratio Lower Upper
117 100
82 55.9 42.2 63.4
119 31.8 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008951.D
Acq: 02 Mar 2019 06:00

Tgt Ion:152 Resp: 197460
Ion Ratio Lower Upper
152 100
115 56.0 28.6 85.8
150 154.8 0.0 348.0

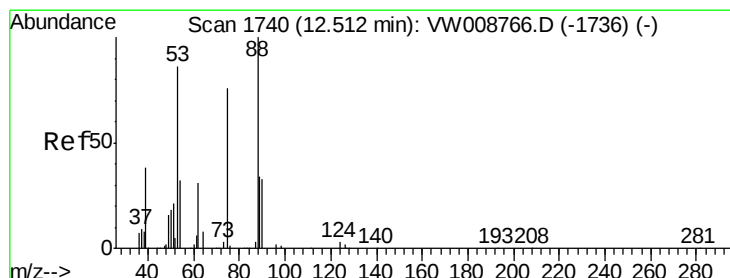
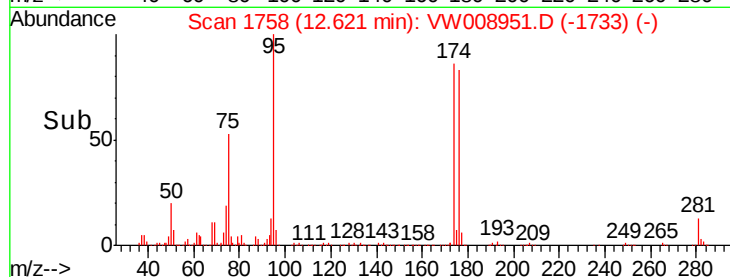
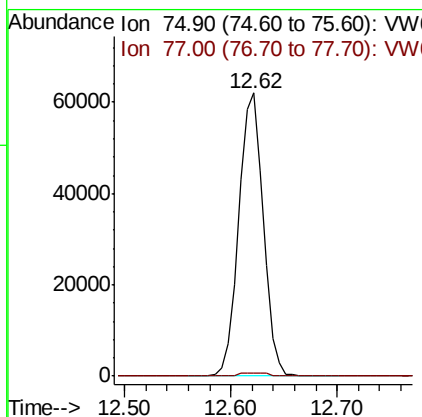
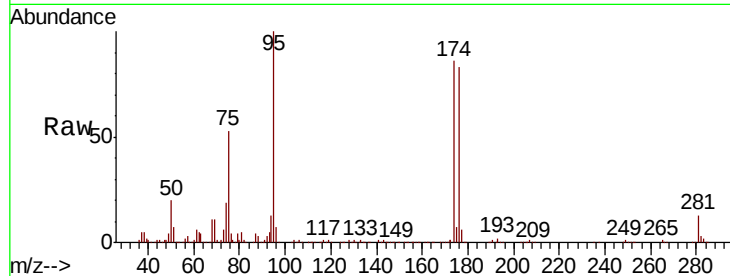




#76
 1,2,3-Trichloropropane
 Concen: 61.624 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW008951.D
 Acq: 02 Mar 2019 06:00

Instrument :
 MSVOA_W
 ClientSampleId :
 Z-3-12-ARE

Tgt Ion: 75 Resp: 100465
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 149.812 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.11 min
 Lab File: VW008951.D
 Acq: 02 Mar 2019 06:00

Tgt Ion: 75 Resp: 100465
 Ion Ratio Lower Upper
 75 100
 53 0.2 88.2 132.2#
 89 0.1 39.5 59.3#

