

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW012219\
 Data File : VW008392.D
 Acq On : 22 Jan 2019 16:48
 Operator : SY/VA
 Sample : K1220-04
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T-1A

Quant Time: Jan 23 00:44:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W011719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 18 00:57:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	81194	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	145735	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	122805	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	40800	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	45082	53.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.76%	
35) Dibromofluoromethane	7.88	113	40264	43.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.56%	
50) Toluene-d8	10.32	98	138571	37.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	75.84%	
62) 4-Bromofluorobenzene	12.62	95	36318	27.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	55.42%	

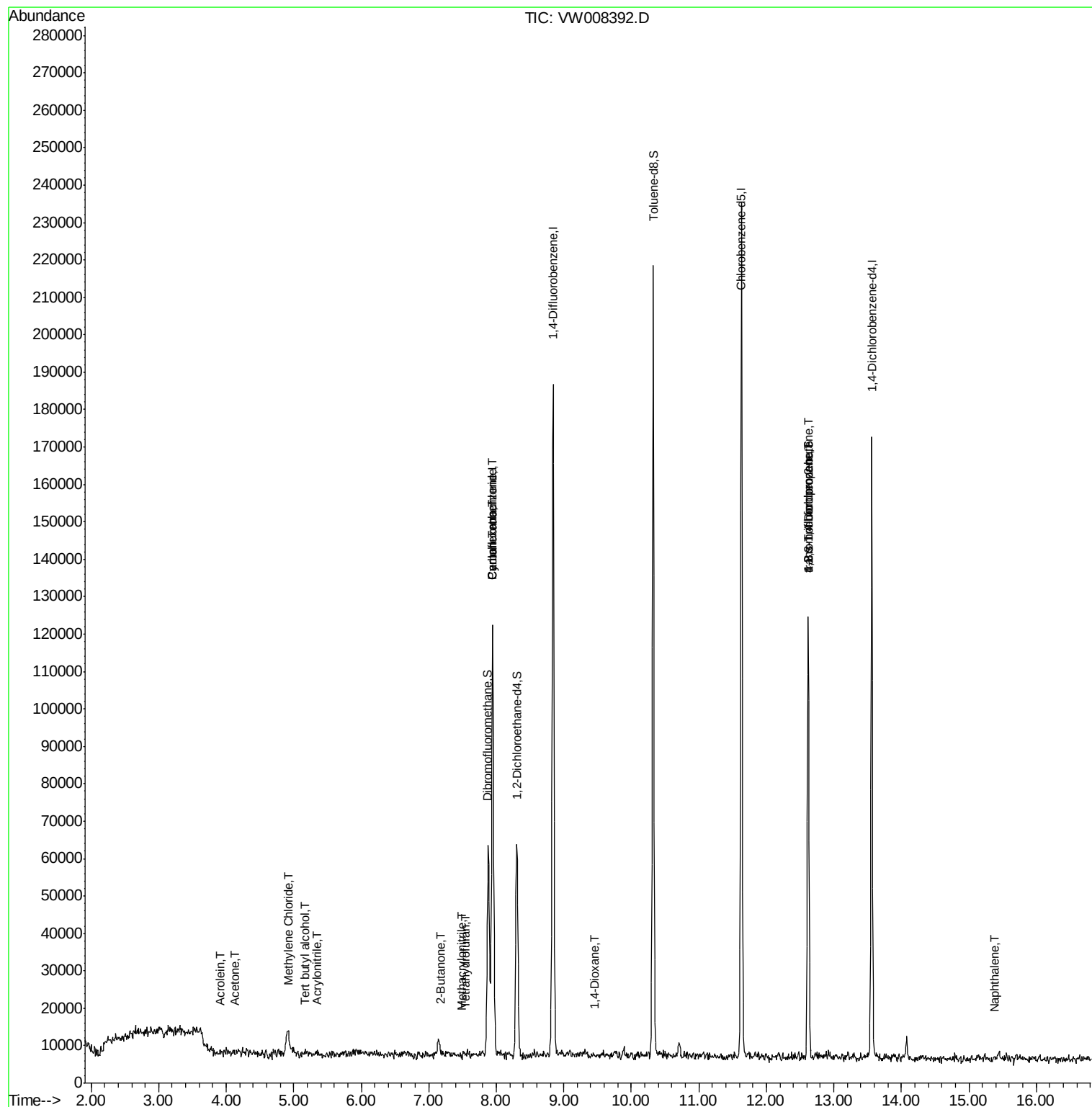
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	163	2.866	ug/l #	1
13) Acrolein	3.90	56	419	14.664	ug/l #	55
15) Acrylonitrile	5.35	53	222	1.185	ug/l #	1
16) Acetone	4.12	43	860	4.384	ug/l #	84
20) Methylene Chloride	4.92	84	6152	3.456	ug/l #	85
25) 2-Butanone	7.18	43	254	1.011	ug/l #	90
29) Tetrahydrofuran	7.55	42	560	3.576	ug/l #	75
31) Cyclohexane	7.95	56	2771	1.757	ug/l #	59
38) Carbon Tetrachloride	7.95	117	8664	5.984	ug/l #	21
41) Methacrylonitrile	7.49	41	389	1.105	ug/l #	38
49) 1,4-Dioxane	9.45	88	113	13.055	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	19141	51.517	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	19141	122.941	ug/l #	11
95) Naphthalene	15.38	128	560	2.670	ug/l #	84

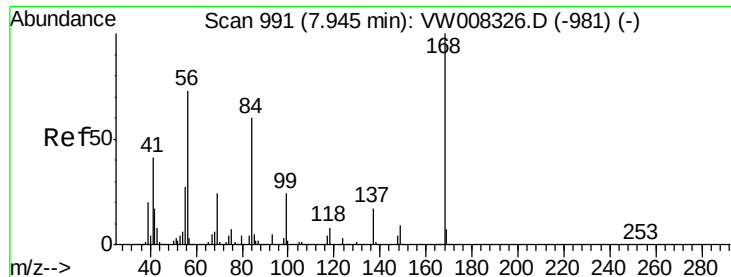
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW012219\
Data File : VW008392.D
Acq On : 22 Jan 2019 16:48
Operator : SY/VA
Sample : K1220-04
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T-1A

Quant Time: Jan 23 00:44:18 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W011719S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 18 00:57:07 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008392.D

Acq: 22 Jan 2019 16:48

Instrument :

MSVOA_W

ClientSampled :

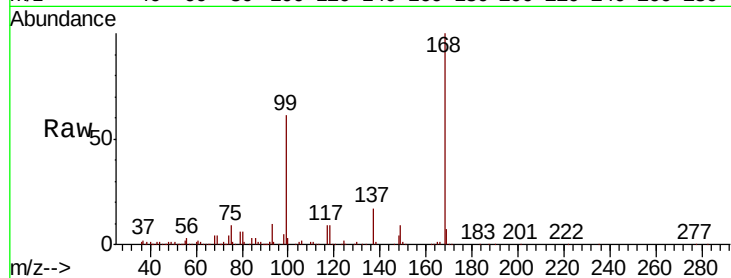
T-1A

Tgt Ion:168 Resp: 81194

Ion Ratio Lower Upper

168 100

99 60.3 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

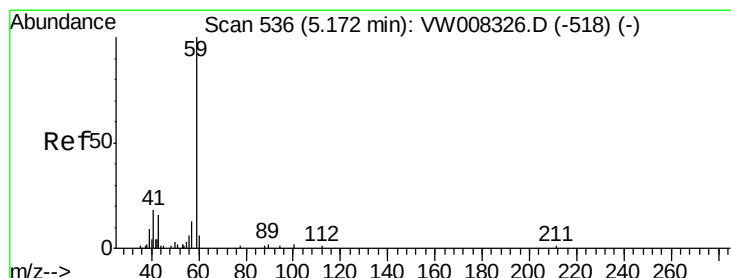
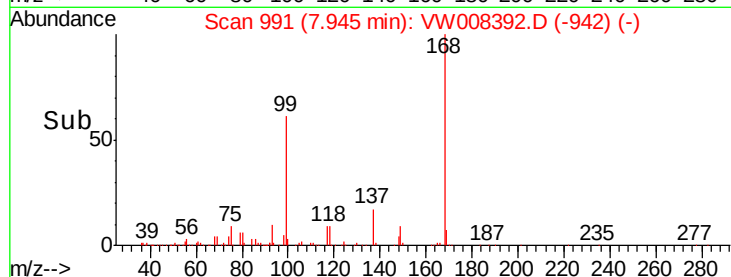
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#11

Tert butyl alcohol

Concen: 2.866 ug/l

RT: 5.18 min Scan# 537

Delta R.T. 0.01 min

Lab File: VW008392.D

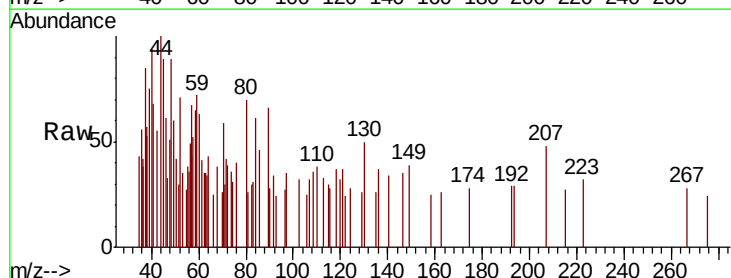
Acq: 22 Jan 2019 16:48

Tgt Ion: 59 Resp: 163

Ion Ratio Lower Upper

59 100

57 187.1 9.4 14.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.18

300

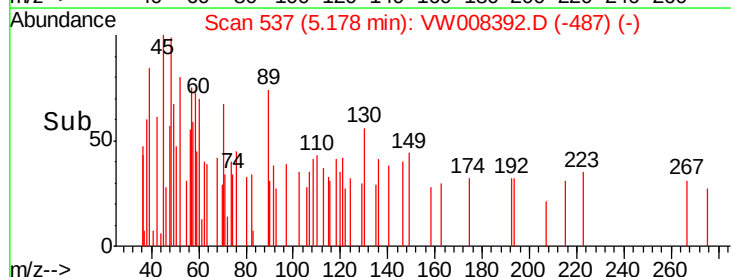
200

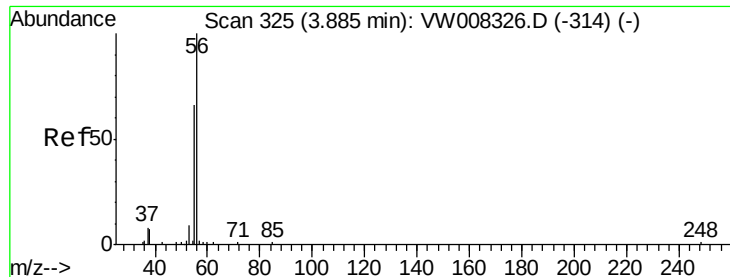
100

0

5.16 5.18 5.20

Time-->





#13

Acrolein

Concen: 14.664 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.02 min

Lab File: VW008392.D

Acq: 22 Jan 2019 16:48

Instrument :

MSVOA_W

ClientSampleId :

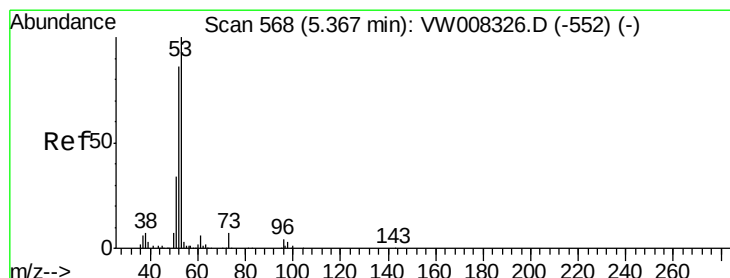
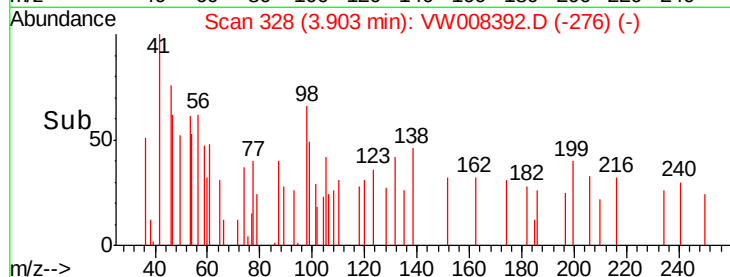
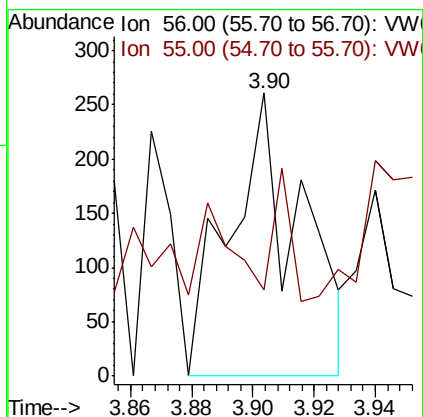
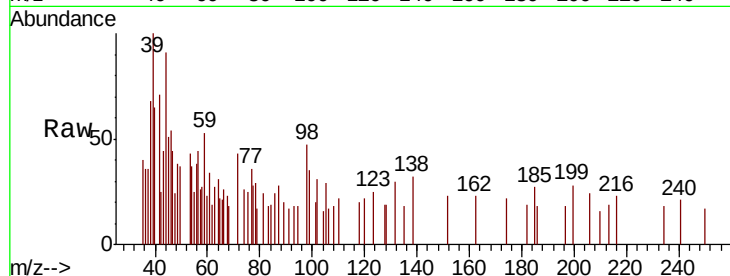
T-1A

Tgt Ion: 56 Resp: 419

Ion Ratio Lower Upper

56 100

55 30.5 52.9 79.3#



#15

Acrylonitrile

Concen: 1.185 ug/l

RT: 5.35 min Scan# 565

Delta R.T. -0.02 min

Lab File: VW008392.D

Acq: 22 Jan 2019 16:48

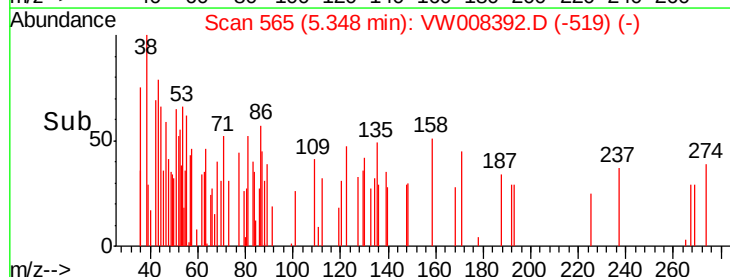
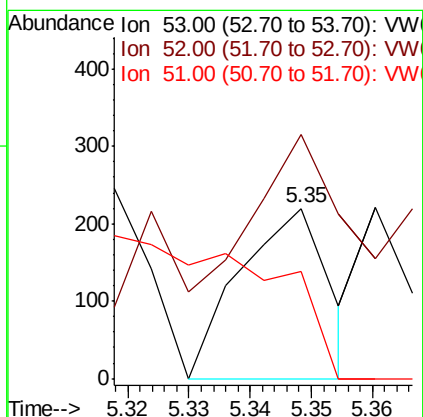
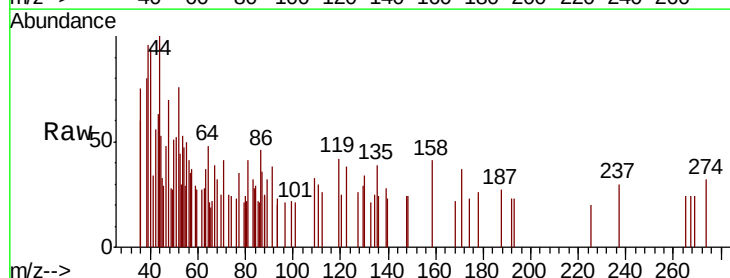
Tgt Ion: 53 Resp: 222

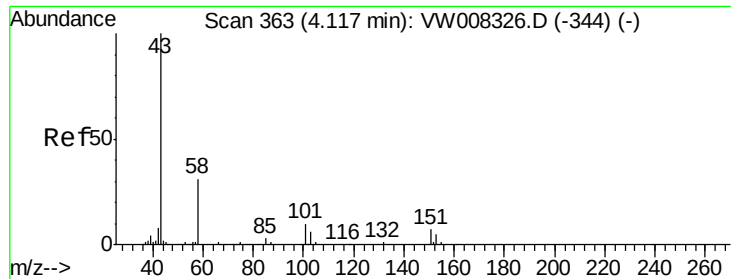
Ion Ratio Lower Upper

53 100

52 249.5 66.4 99.6#

51 0.0 29.6 44.4#

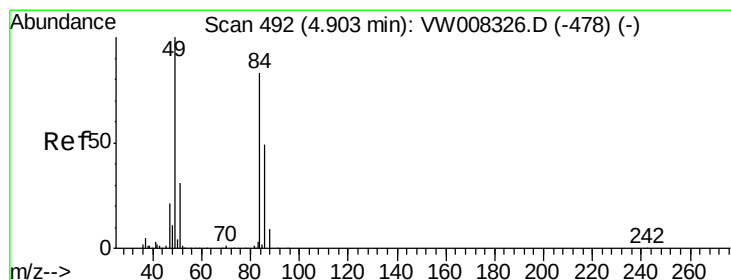
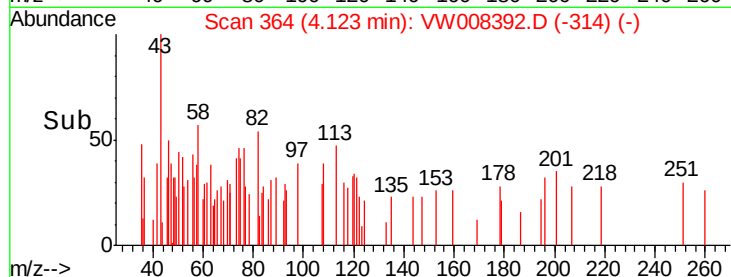
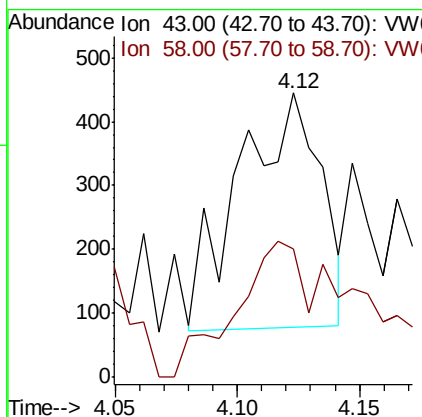
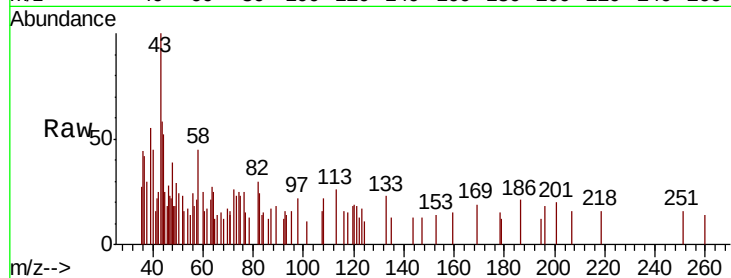




#16
Acetone
Concen: 4.384 ug/l
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW008392.D
Acq: 22 Jan 2019 16:48

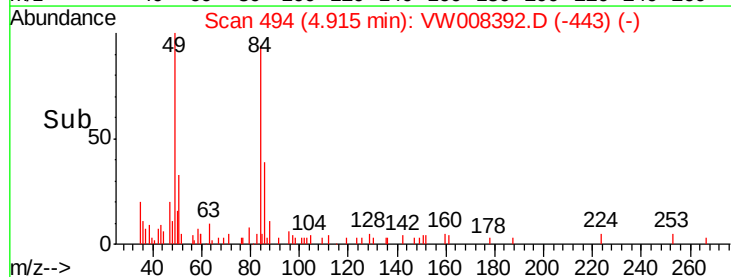
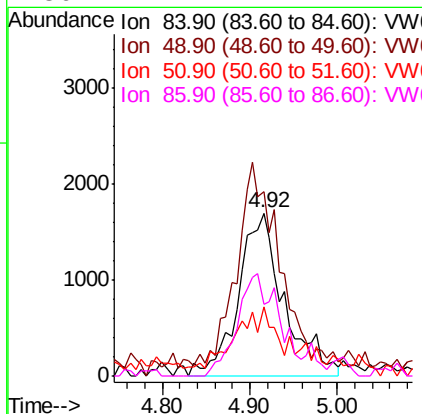
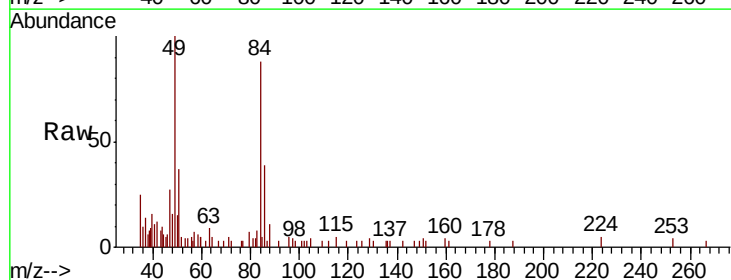
Instrument :
MSVOA_W
ClientSampled :
T-1A

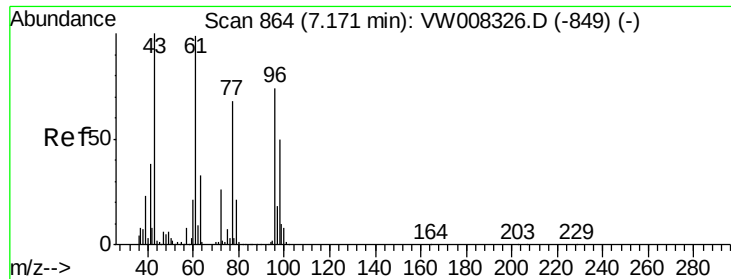
Tgt Ion: 43 Resp: 860
Ion Ratio Lower Upper
43 100
58 21.9 24.7 37.1#



#20
Methylene Chloride
Concen: 3.456 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW008392.D
Acq: 22 Jan 2019 16:48

Tgt Ion: 84 Resp: 6152
Ion Ratio Lower Upper
84 100
49 104.2 95.9 143.9
51 31.9 29.3 43.9
86 44.2 47.4 71.2#





#25

2-Butanone

Concen: 1.011 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW008392.D

Acq: 22 Jan 2019 16:48

Instrument :

MSVOA_W

ClientSampled :

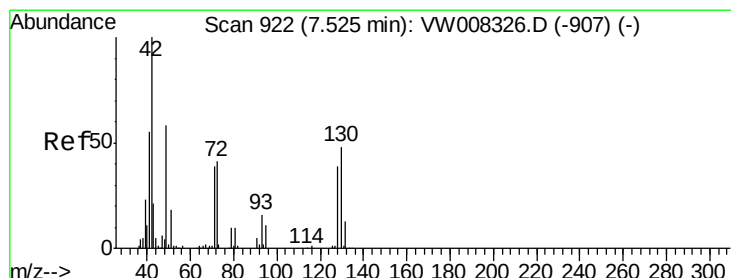
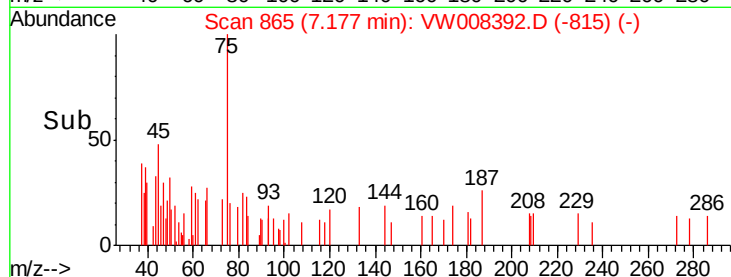
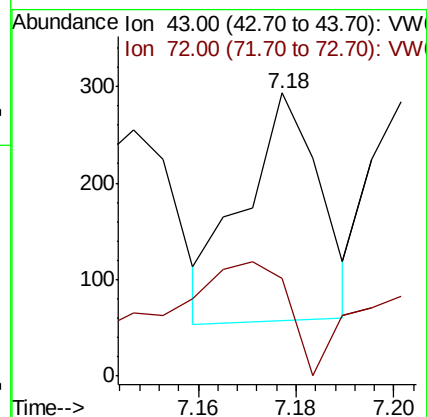
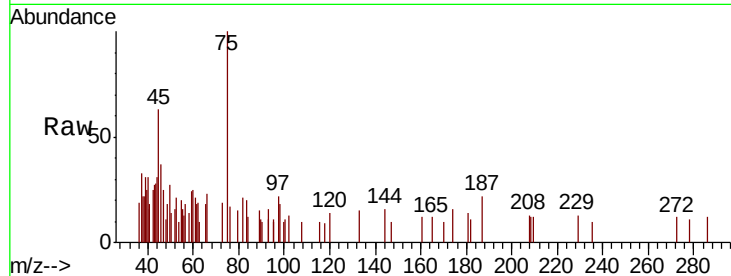
T-1A

Tgt Ion: 43 Resp: 254

Ion Ratio Lower Upper

43 100

72 21.1 21.2 31.8#



#29

Tetrahydrofuran

Concen: 3.576 ug/l

RT: 7.55 min Scan# 926

Delta R.T. 0.02 min

Lab File: VW008392.D

Acq: 22 Jan 2019 16:48

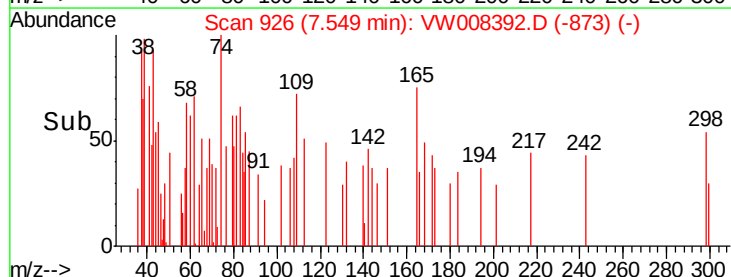
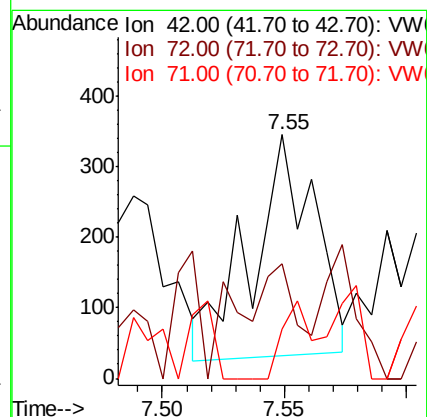
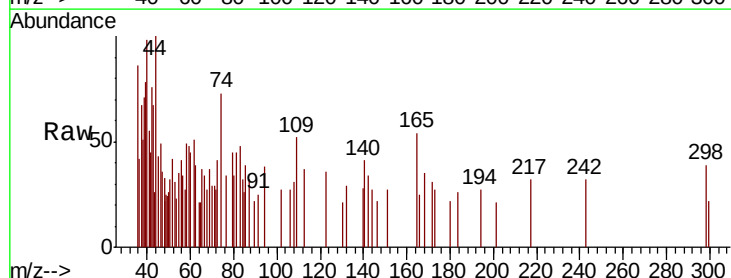
Tgt Ion: 42 Resp: 560

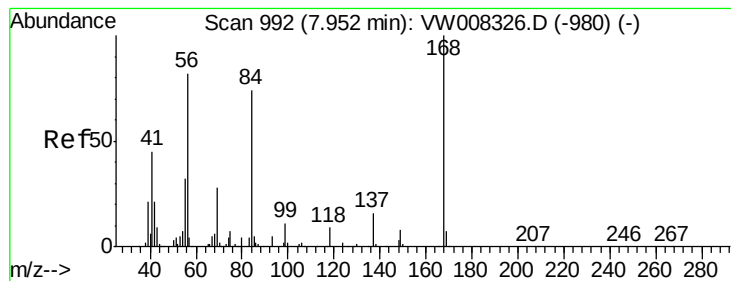
Ion Ratio Lower Upper

42 100

72 49.1 34.0 51.0

71 15.2 32.0 48.0#





#31

Cyclohexane

Concen: 1.757 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008392.D

Acq: 22 Jan 2019 16:48

Instrument :

MSVOA_W

ClientSampleId :

T-1A

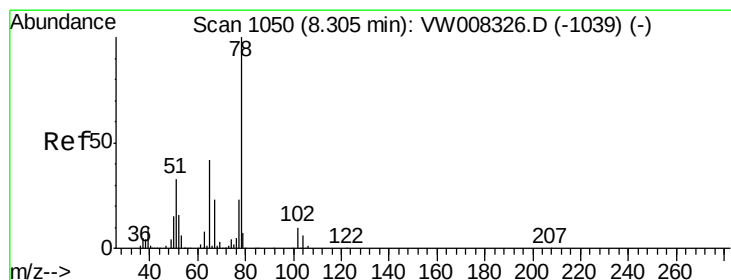
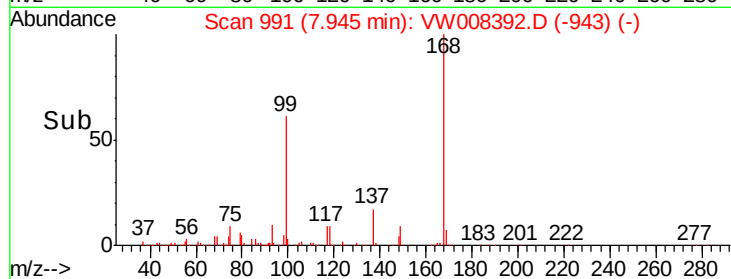
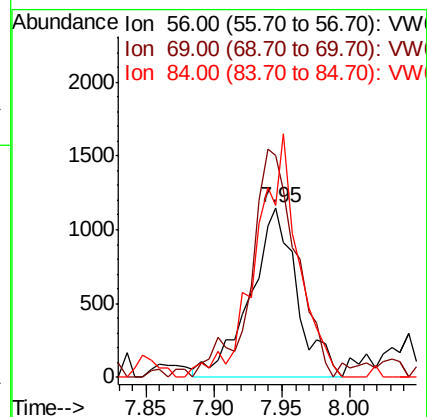
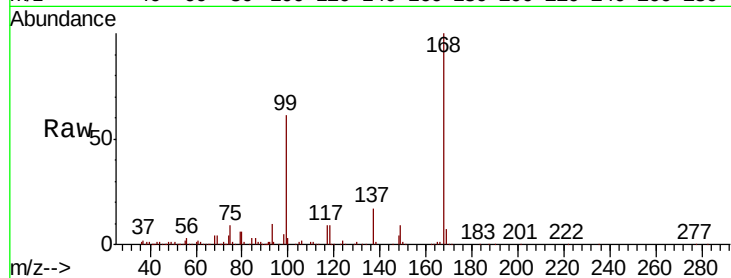
Tgt Ion: 56 Resp: 2771

Ion Ratio Lower Upper

56 100

69 118.3 27.0 40.6#

84 91.1 72.5 108.7



#33

1,2-Dichloroethane-d4

Concen: 53.377 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW008392.D

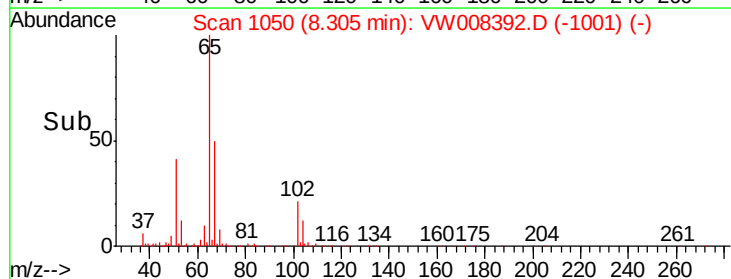
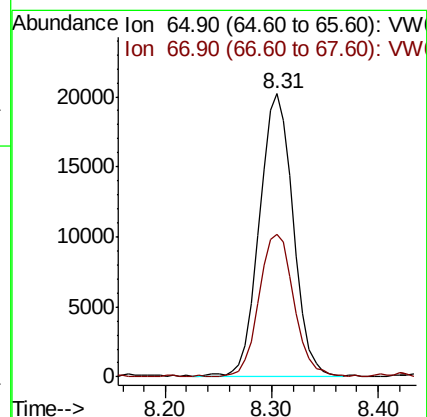
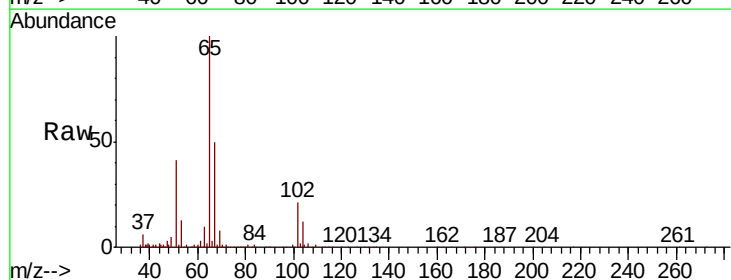
Acq: 22 Jan 2019 16:48

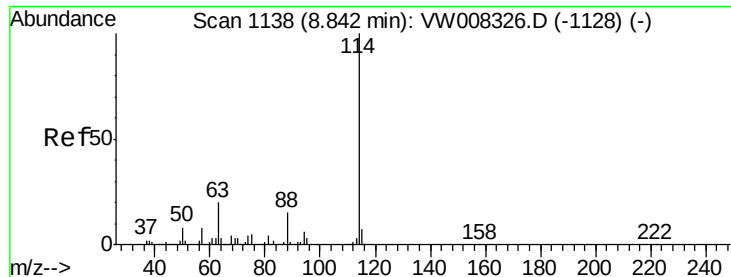
Tgt Ion: 65 Resp: 45082

Ion Ratio Lower Upper

65 100

67 52.3 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW008392.D

Acq: 22 Jan 2019 16:48

Instrument :

MSVOA_W

ClientSampleId :

T-1A

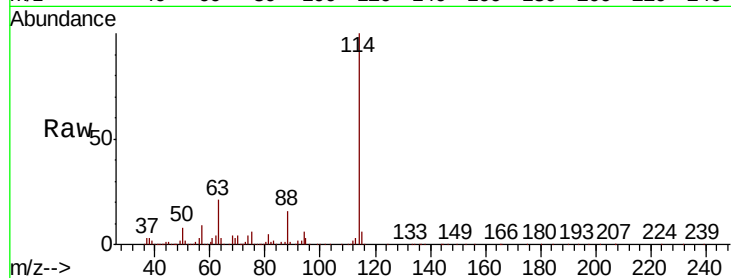
Tgt Ion:114 Resp: 145735

Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.8

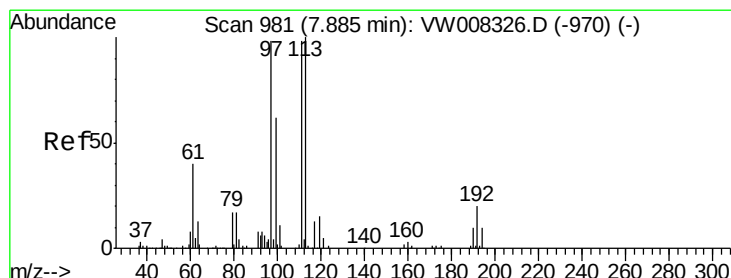
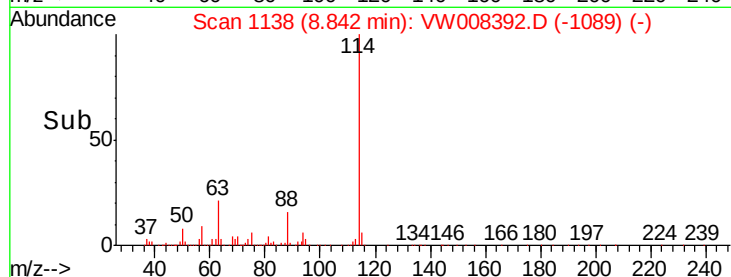
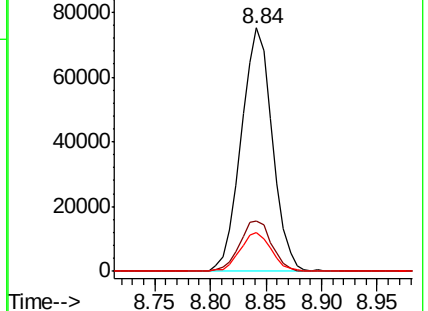
88 15.7 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35

Dibromofluoromethane

Concen: 43.282 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008392.D

Acq: 22 Jan 2019 16:48

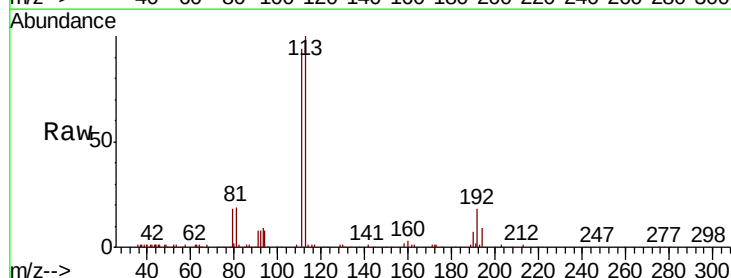
Tgt Ion:113 Resp: 40264

Ion Ratio Lower Upper

113 100

111 102.9 81.8 122.8

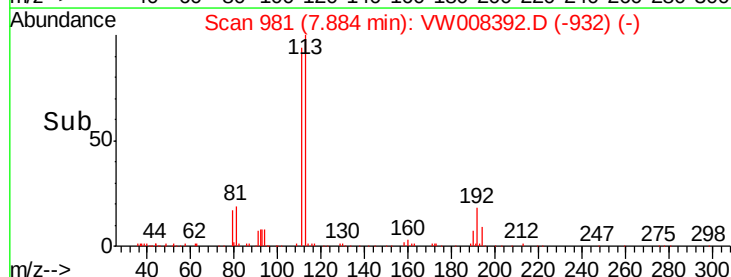
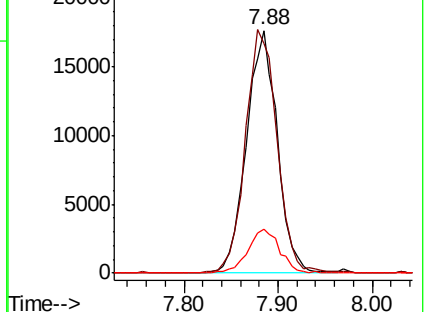
192 18.8 16.3 24.5

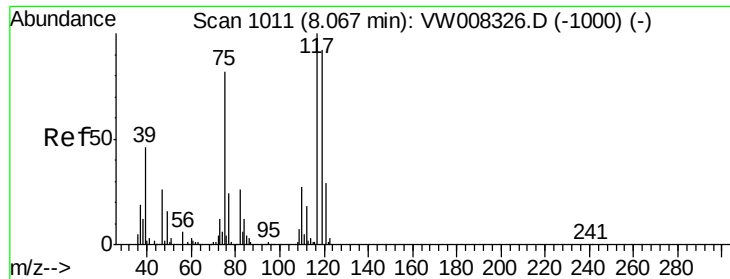


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

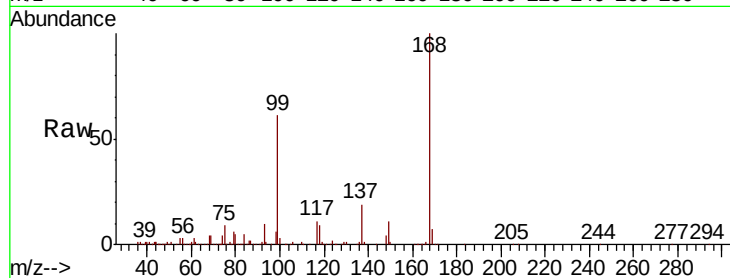




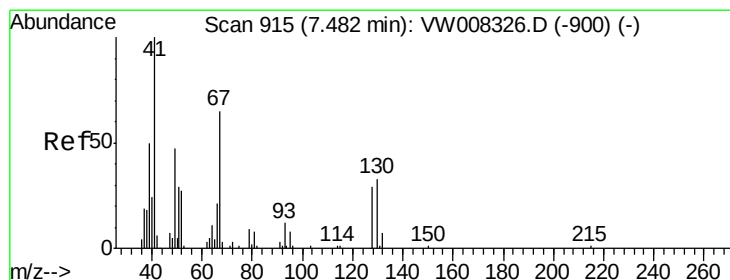
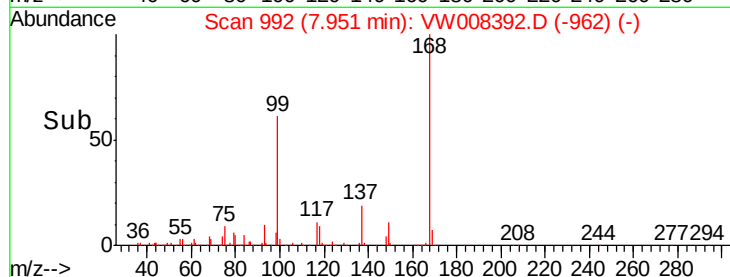
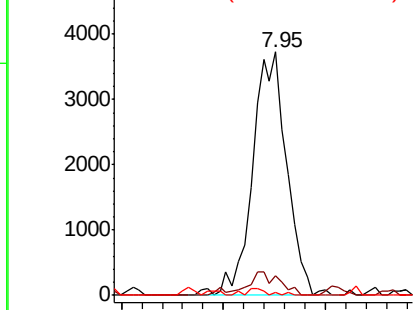
#38
Carbon Tetrachloride
Concen: 5.984 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW008392.D
Acq: 22 Jan 2019 16:48

Instrument :
MSVOA_W
ClientSampleId :
T-1A

Tgt Ion: 117 Resp: 8664
Ion Ratio Lower Upper
117 100
119 8.2 73.8 110.6#
121 1.4 23.4 35.0#

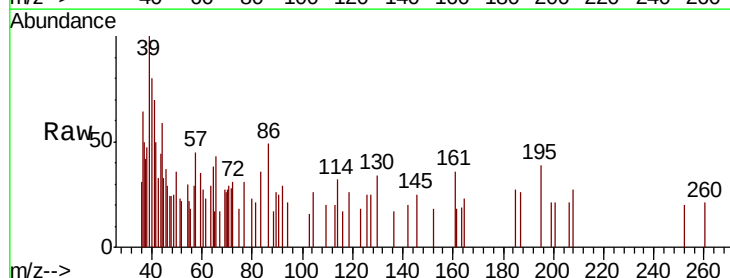


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

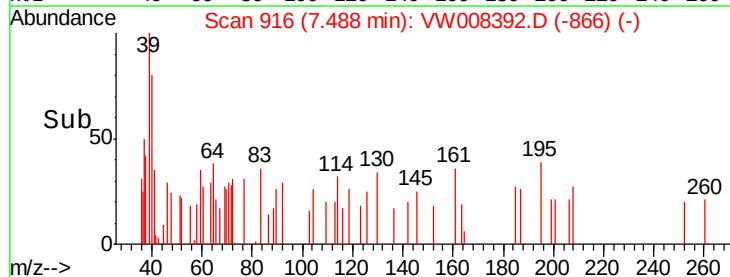
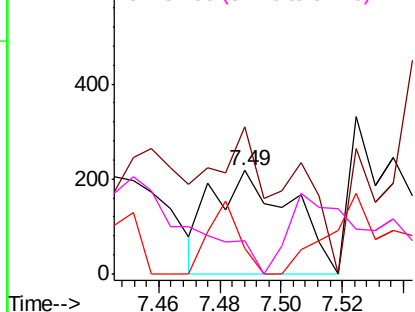


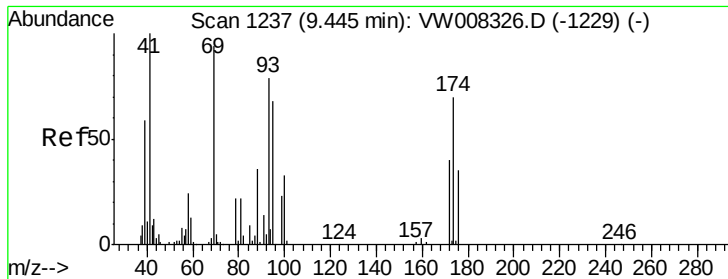
#41
Methacrylonitrile
Concen: 1.105 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW008392.D
Acq: 22 Jan 2019 16:48

Tgt Ion: 41 Resp: 389
Ion Ratio Lower Upper
41 100
39 0.0 44.9 67.3#
67 27.8 56.9 85.3#
52 0.0 24.4 36.6#



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW





#49

1,4-Dioxane

Concen: 13.055 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW008392.D

Acq: 22 Jan 2019 16:48

Instrument :
MSVOA_W
ClientSampled :
T-1A

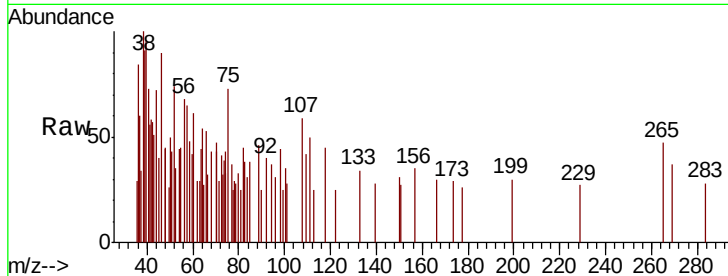
Tgt Ion: 88 Resp: 113

Ion Ratio Lower Upper

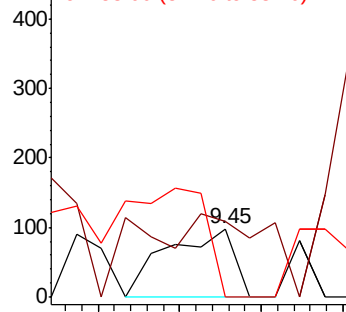
88 100

43 135.4 27.1 40.7#

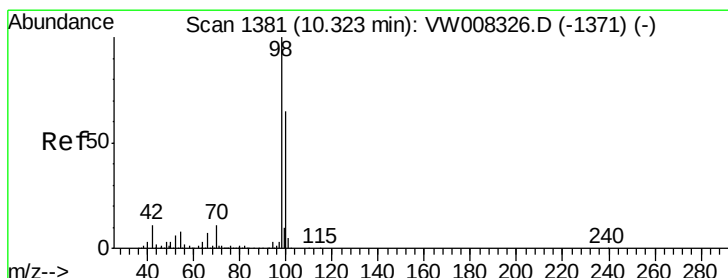
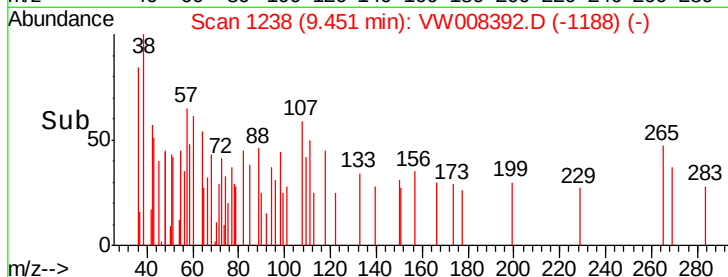
58 187.6 57.9 86.9#



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



Time-->



#50

Toluene-d8

Concen: 37.917 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008392.D

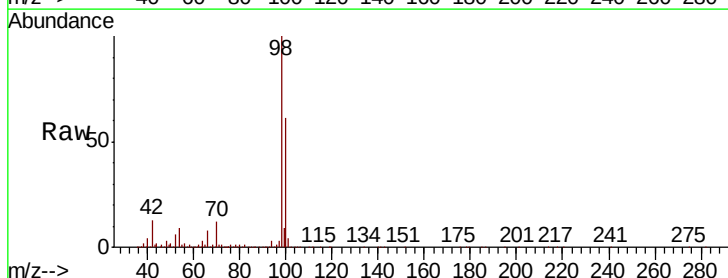
Acq: 22 Jan 2019 16:48

Tgt Ion: 98 Resp: 138571

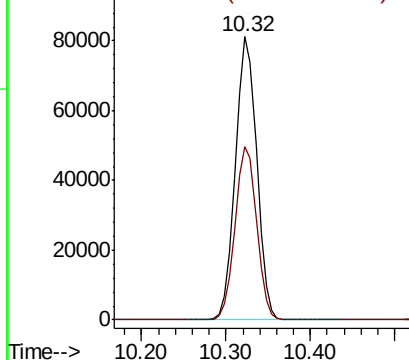
Ion Ratio Lower Upper

98 100

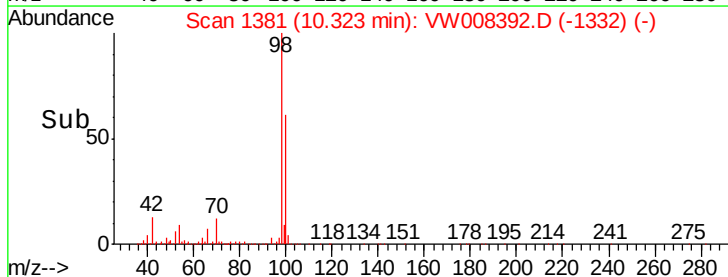
100 61.9 51.8 77.8

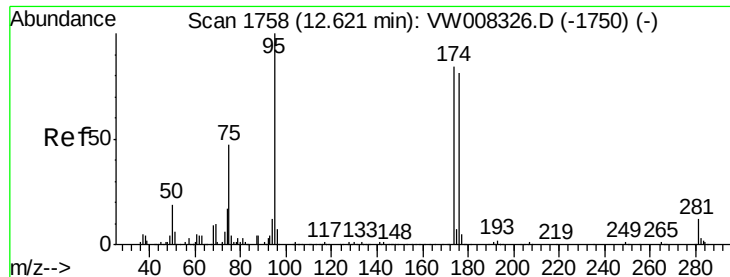


Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW



Time-->

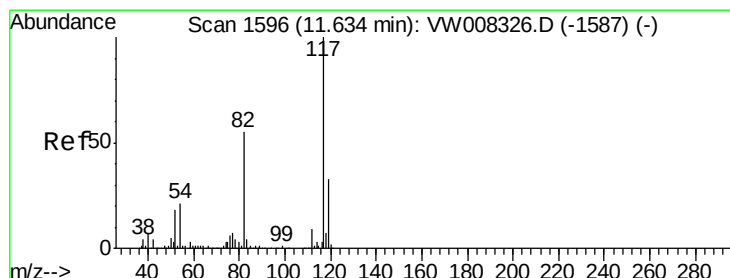
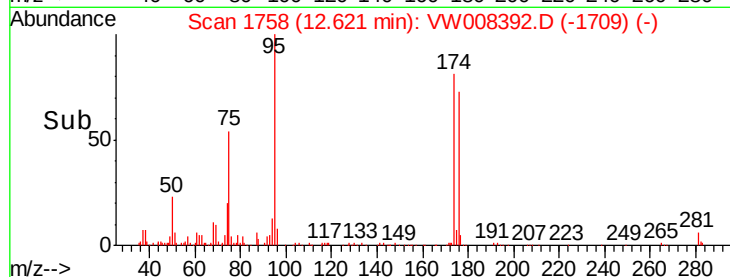
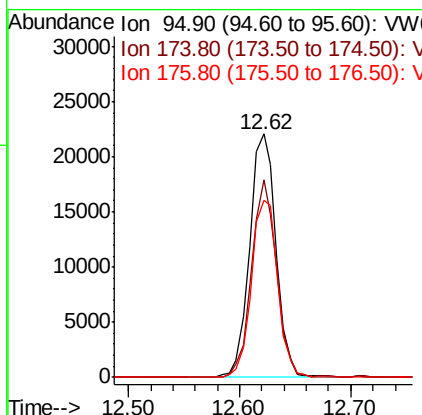
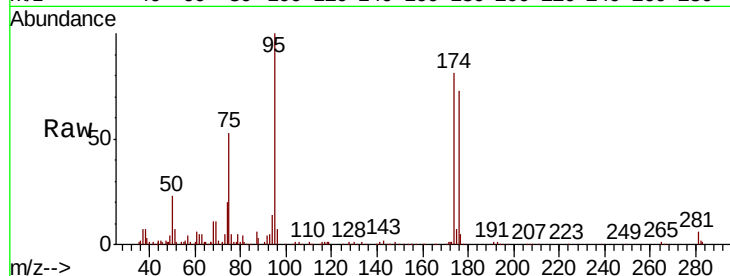




#62
4-Bromofluorobenzene
Concen: 27.708 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW008392.D
Acq: 22 Jan 2019 16:48

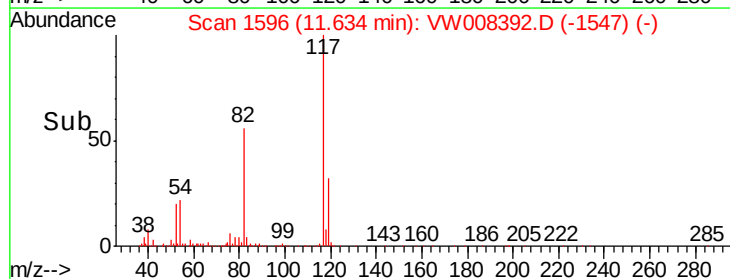
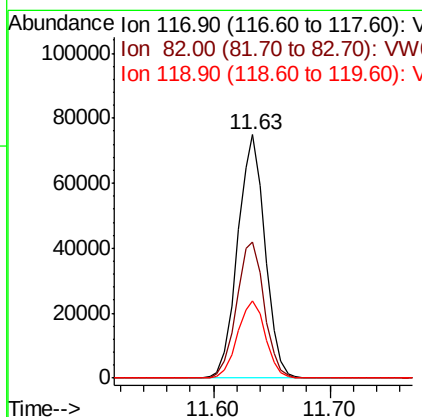
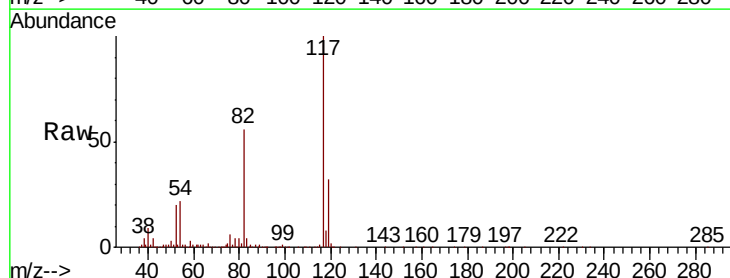
Instrument :
MSVOA_W
ClientSampleId :
T-1A

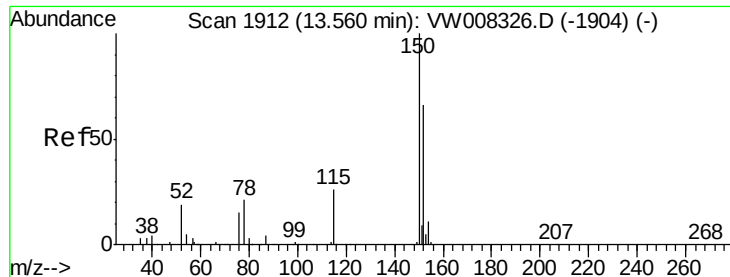
Tgt Ion: 95 Resp: 36318
Ion Ratio Lower Upper
95 100
174 77.0 0.0 166.0
176 72.7 0.0 160.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008392.D
Acq: 22 Jan 2019 16:48

Tgt Ion: 117 Resp: 122805
Ion Ratio Lower Upper
117 100
82 55.7 44.3 66.5
119 31.8 26.3 39.5

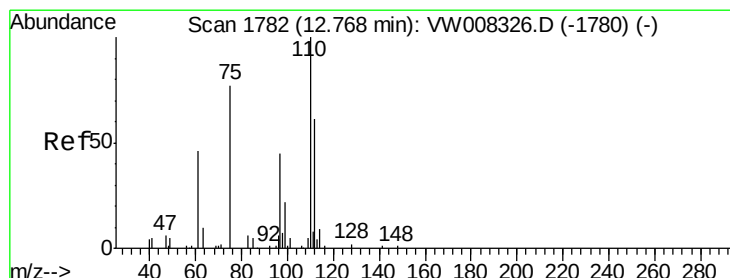
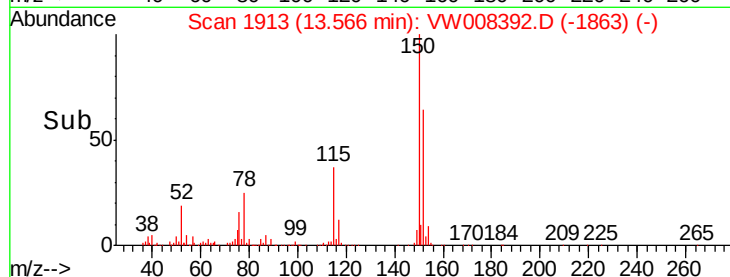
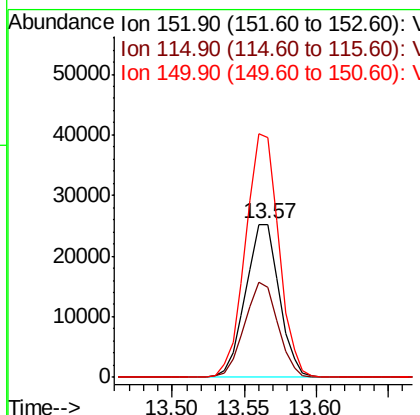
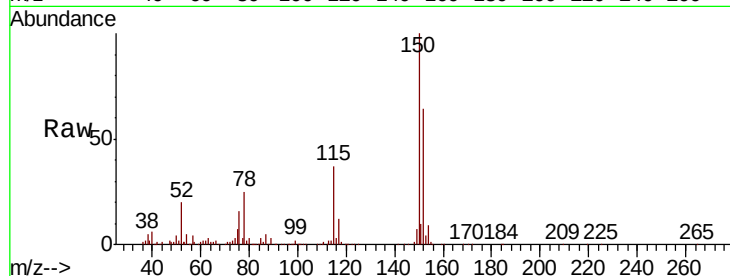




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.57 min Scan# 1913
 Delta R.T. 0.01 min
 Lab File: VW008392.D
 Acq: 22 Jan 2019 16:48

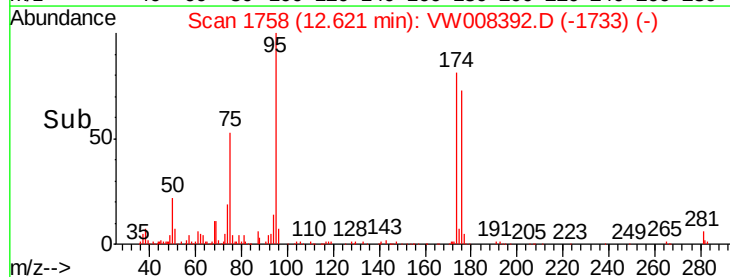
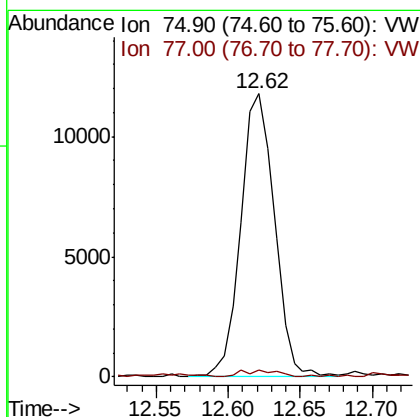
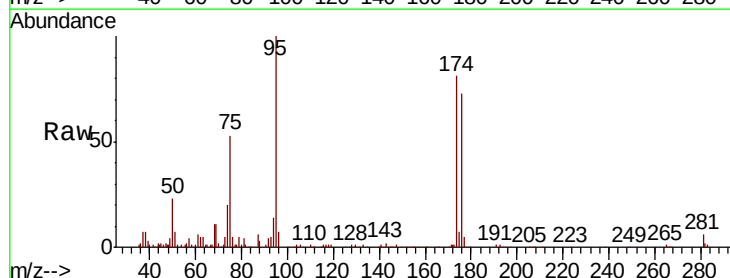
Instrument :
 MSVOA_W
 ClientSampleId :
 T-1A

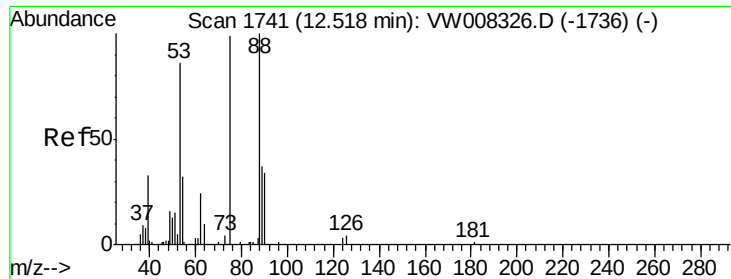
Tgt Ion:152 Resp: 40800
 Ion Ratio Lower Upper
 152 100
 115 61.5 28.8 86.4
 150 157.3 0.0 351.4



#76
 1,2,3-Trichloropropane
 Concen: 51.517 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW008392.D
 Acq: 22 Jan 2019 16:48

Tgt Ion: 75 Resp: 19141
 Ion Ratio Lower Upper
 75 100
 77 0.9 175.3 526.1#

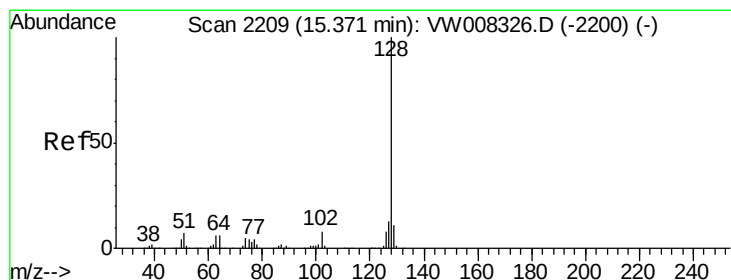
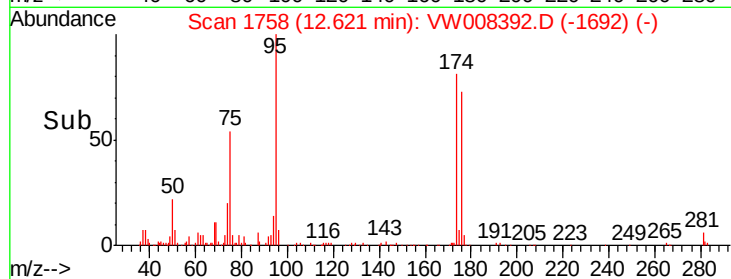
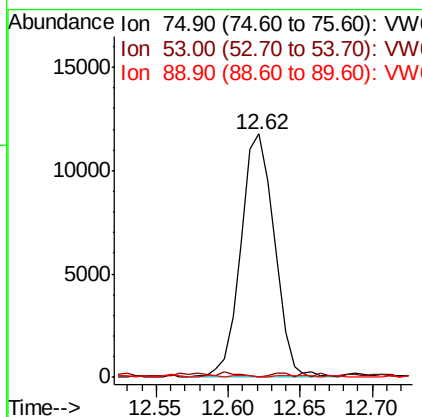
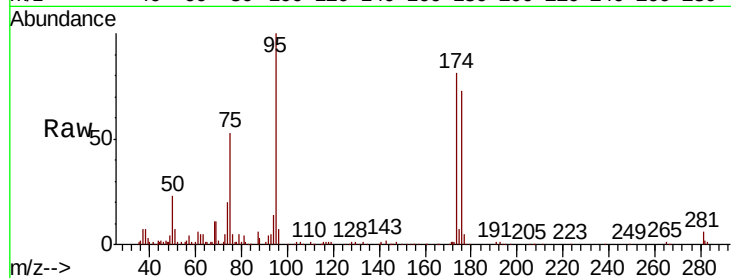




#81
trans-1,4-Dichloro-2-butene
Concen: 122.941 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.10 min
Lab File: VW008392.D
Acq: 22 Jan 2019 16:48

Instrument :
MSVOA_W
ClientSampleId :
T-1A

Tgt Ion: 75 Resp: 19141
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.4#
89 0.4 36.7 55.1#



#95
Naphthalene
Concen: 2.670 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VW008392.D
Acq: 22 Jan 2019 16:48

Tgt Ion: 128 Resp: 560
Ion Ratio Lower Upper
128 100
127 18.4 10.5 15.7#
129 3.6 8.8 13.2#

