

Data File : VW012974.D
Acq On : 14 Sep 2019 00:50
Operator : SY/VA
Sample : K4719-13
Misc : 4.10G/5ML/MSVOA_W/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T4-3(0)-HELLGATE

Quant Time: Sep 14 04:26:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 13 17:26:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	263286	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	400462	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	333920	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	145225	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	139174	57.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.46%	
35) Dibromofluoromethane	7.88	113	116748	53.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.46%	
50) Toluene-d8	10.32	98	475601	55.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.86%	
62) 4-Bromofluorobenzene	12.62	95	147441	48.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.44%	

Target Compounds

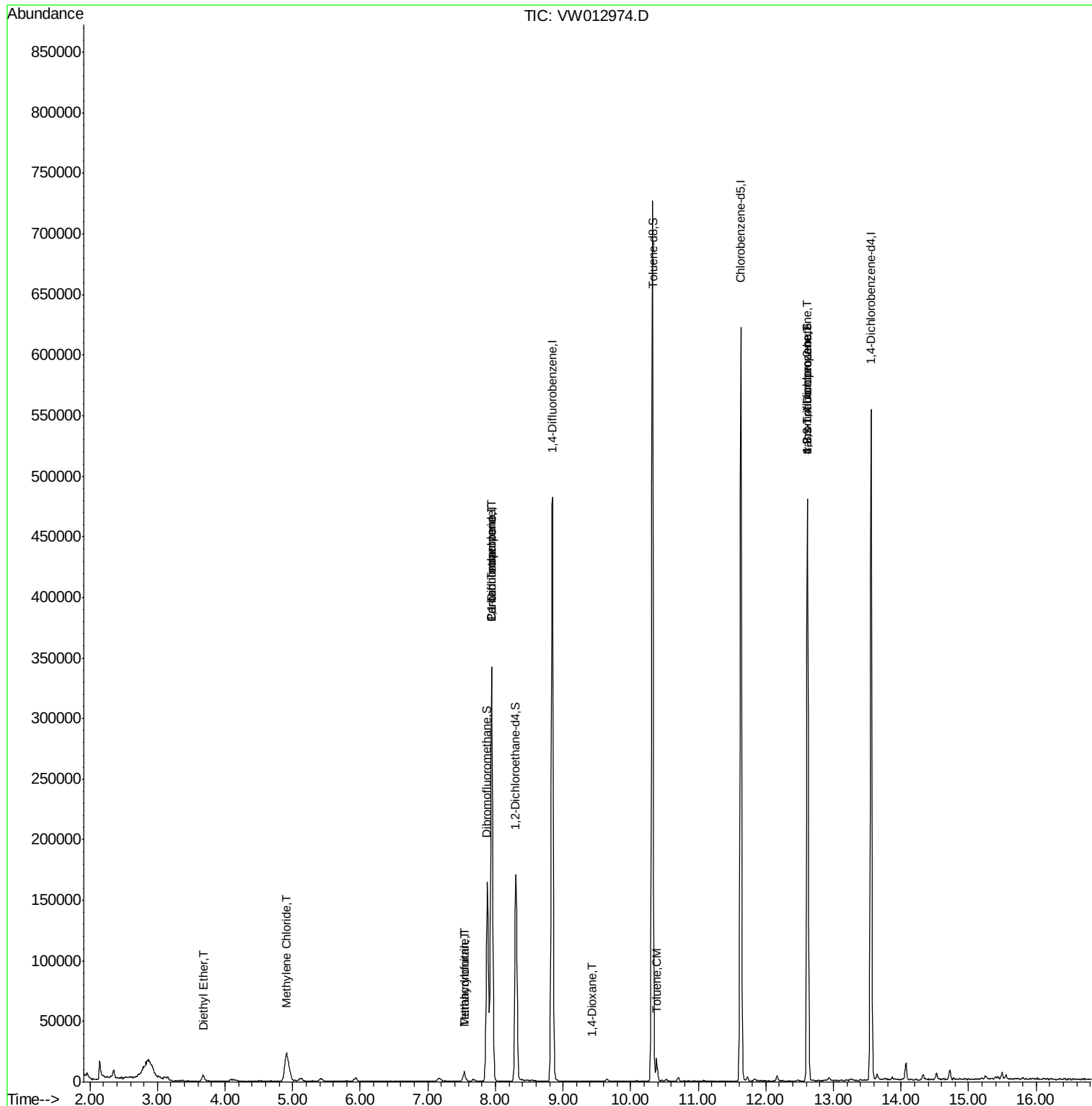
						Qvalue
2) Dichlorodifluoromethane	2.00	85	27	Below Cal	#	44
3) Chloromethane	2.20	50	105	Below Cal	#	70
8) Diethyl Ether	3.68	74	2569	2.497	ug/l	87
11) Tert butyl alcohol	5.12	59	2766	Below Cal	#	77
13) Acrolein	3.82	56	19	Below Cal	#	15
16) Acetone	4.15	43	3019	Below Cal	#	82
20) Methylene Chloride	4.91	84	15526	3.031	ug/l #	82
26) 2,2-Dichloropropane	7.18	77	32	Below Cal	#	55
29) Tetrahydrofuran	7.54	42	5874	13.333	ug/l	97
31) Cyclohexane	7.95	56	5432	Below Cal	#	1
36) 1,1-Dichloropropene	7.95	75	19889	6.215	ug/l #	52
38) Carbon Tetrachloride	7.95	117	24775	7.555	ug/l #	16
41) Methacrylonitrile	7.54	41	4138	3.699	ug/l #	50
49) 1,4-Dioxane	9.43	88	23	1.207	ug/l #	20
52) Toluene	10.38	92	7156	1.261	ug/l	97
76) 1,2,3-Trichloropropane	12.62	75	78049	61.357	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	78049	139.186	ug/l #	7

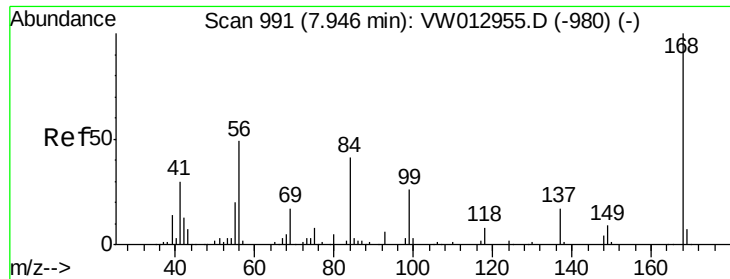
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012974.D

Acq: 14 Sep 2019 00:50

Instrument :

MSVOA_W

ClientSampleId :

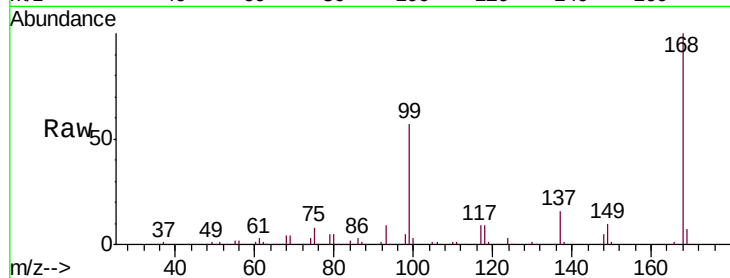
T4-3-(0)-HELLGATE

Tgt Ion:168 Resp: 263286

Ion Ratio Lower Upper

168 100

99 56.5 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

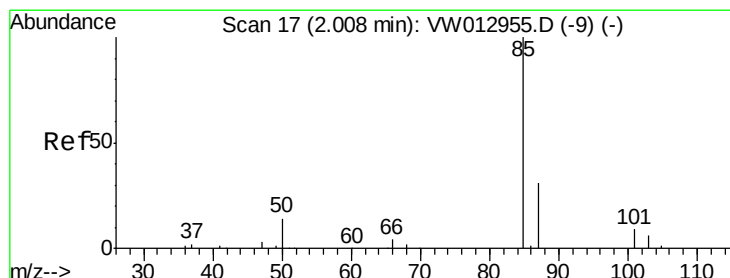
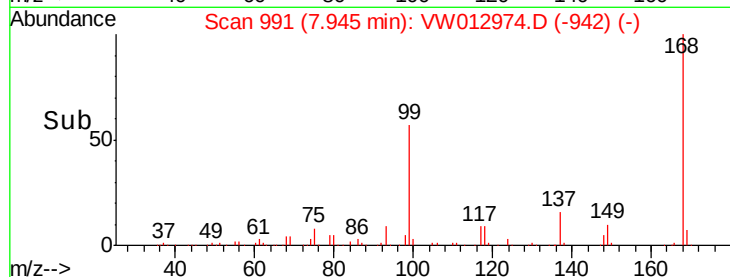
7.95

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW012974.D

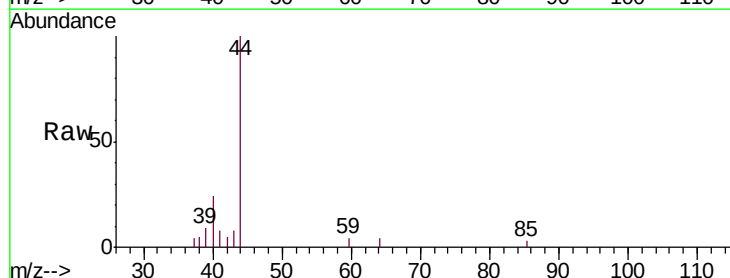
Acq: 14 Sep 2019 00:50

Tgt Ion: 85 Resp: 27

Ion Ratio Lower Upper

85 100

87 0.0 15.4 46.4#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

80

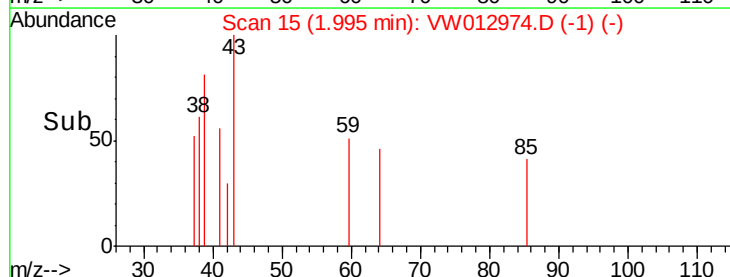
60

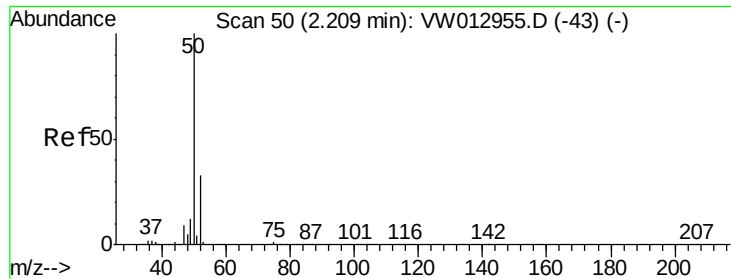
40

20

0

Time--> 1.98 1.99 2.00 2.01





#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW012974.D

Acq: 14 Sep 2019 00:50

Instrument :

MSVOA_W

ClientSampleId :

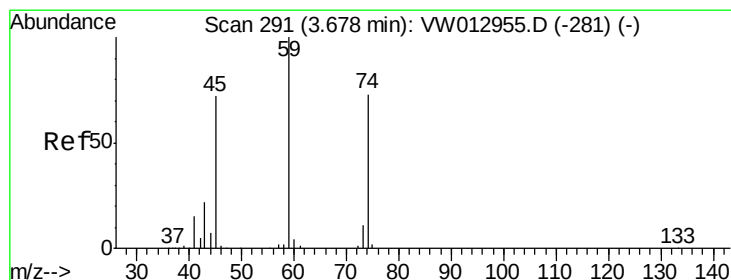
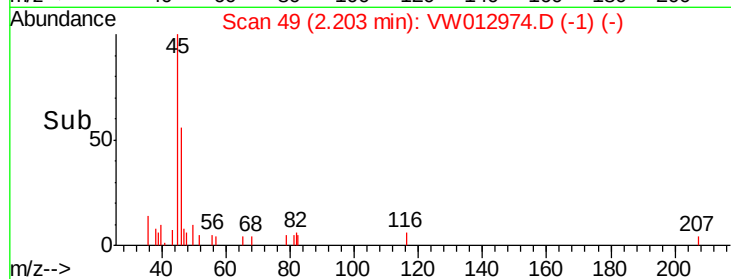
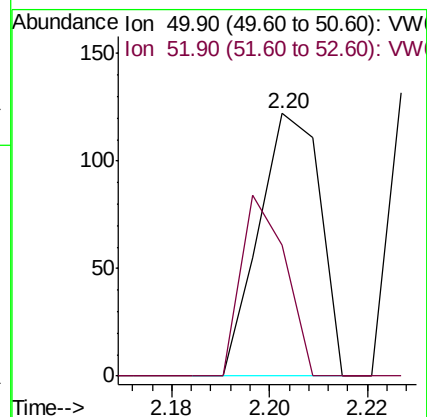
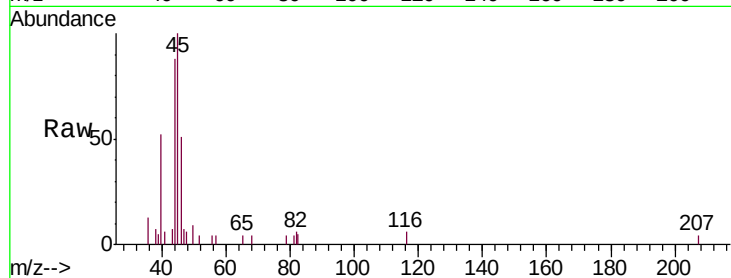
T4-3-(0)-HELLGATE

Tgt Ion: 50 Resp: 105

Ion Ratio Lower Upper

50 100

52 50.0 26.6 39.8#



#8

Diethyl Ether

Concen: 2.497 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012974.D

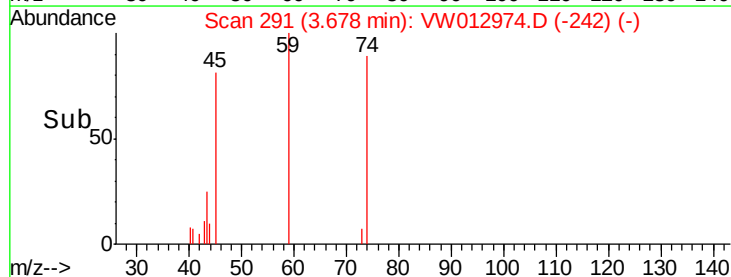
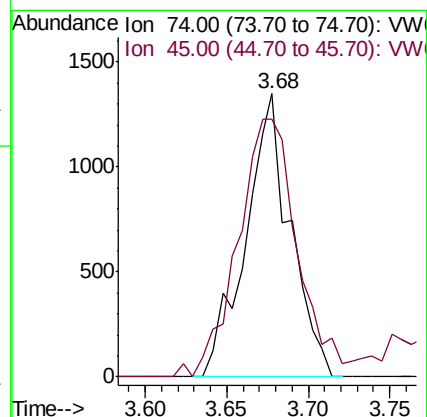
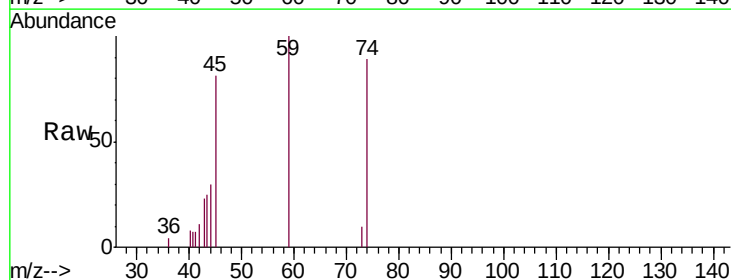
Acq: 14 Sep 2019 00:50

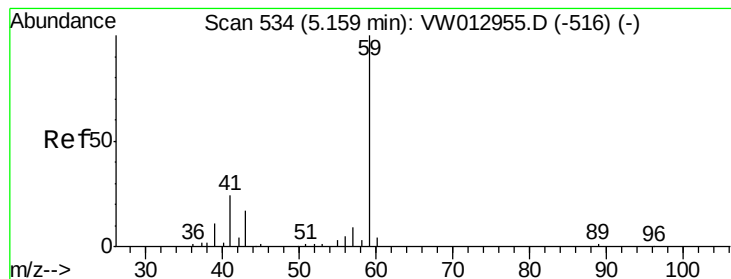
Tgt Ion: 74 Resp: 2569

Ion Ratio Lower Upper

74 100

45 121.6 53.8 161.4



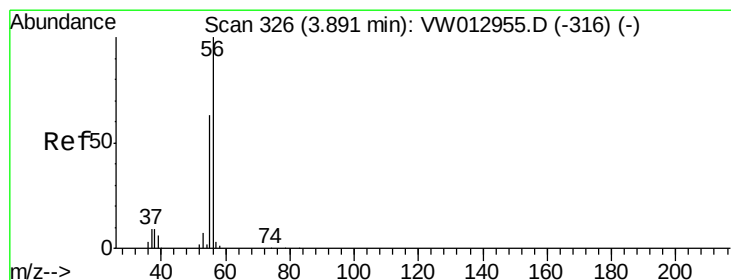
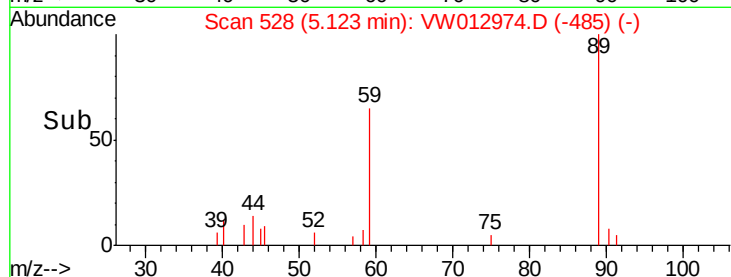
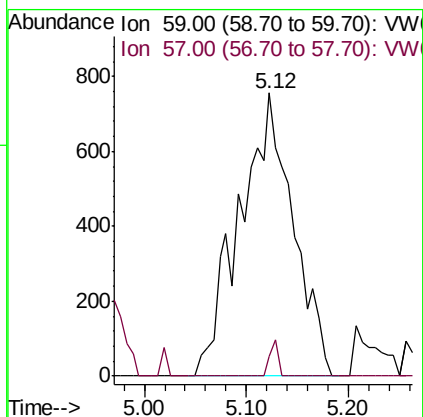
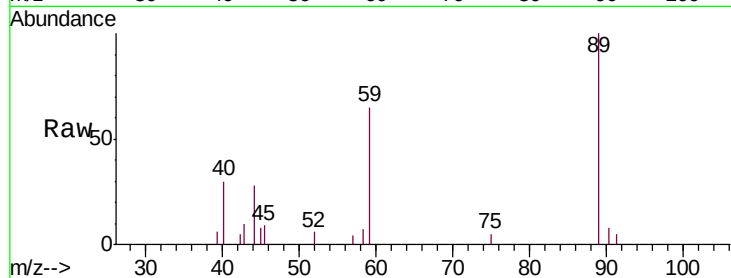


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.12 min Scan# 528
Delta R.T. -0.04 min
Lab File: VW012974.D
Acq: 14 Sep 2019 00:50

Instrument :
MSVOA_W
ClientSampleId :
T4-3(0)-HELLGATE

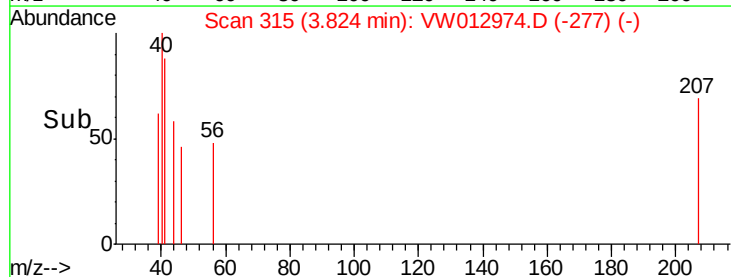
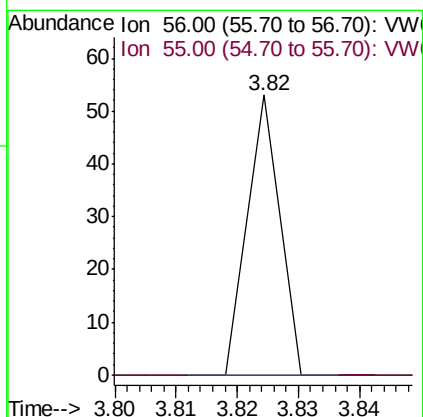
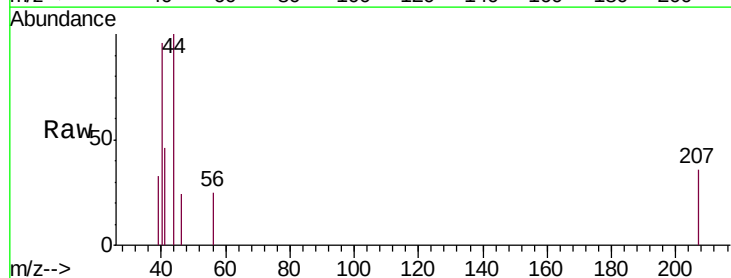
Tgt Ion: 59 Resp: 2766
Ion Ratio Lower Upper
59 100
57 2.0 8.5 12.7#

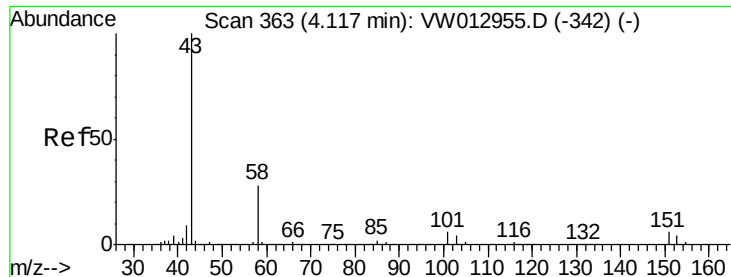


#13

Acrolein
Concen: Below Cal
RT: 3.82 min Scan# 315
Delta R.T. -0.07 min
Lab File: VW012974.D
Acq: 14 Sep 2019 00:50

Tgt Ion: 56 Resp: 19
Ion Ratio Lower Upper
56 100
55 0.0 55.8 83.8#

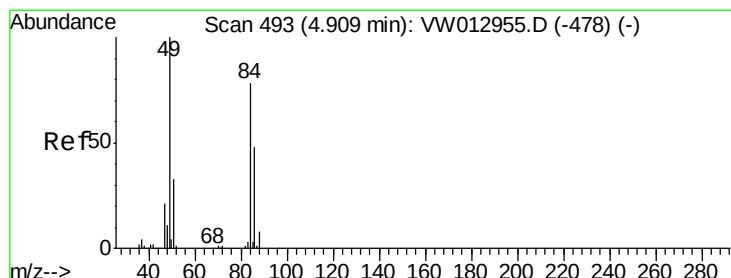
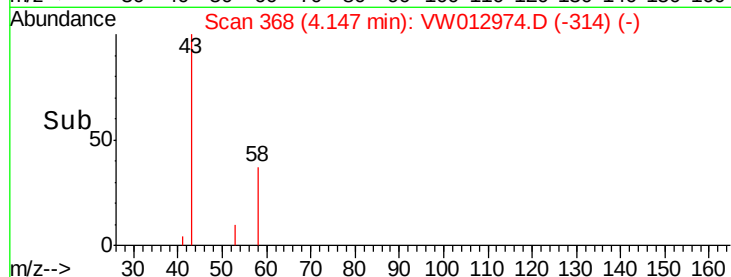
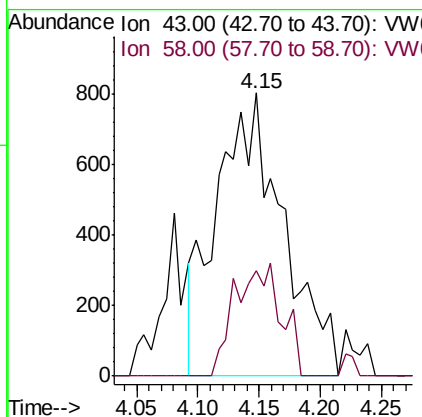
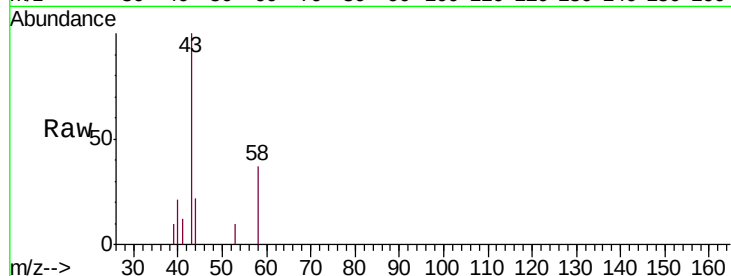




#16
Acetone
Concen: Below Cal
RT: 4.15 min Scan# 368
Delta R.T. 0.03 min
Lab File: VW012974.D
Acq: 14 Sep 2019 00:50

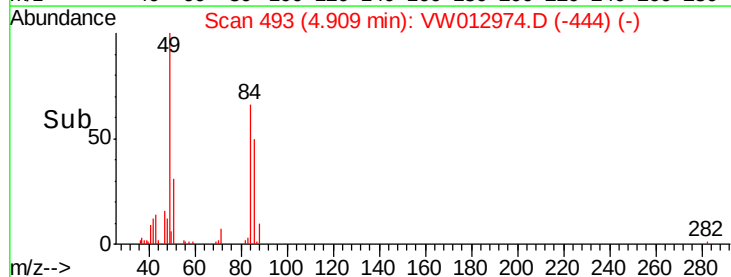
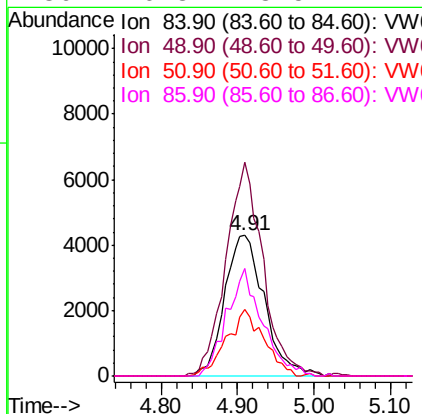
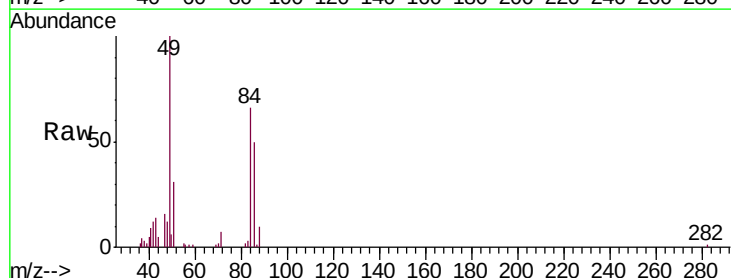
Instrument :
MSVOA_W
ClientSampleId :
T4-3-(0)-HELLGATE

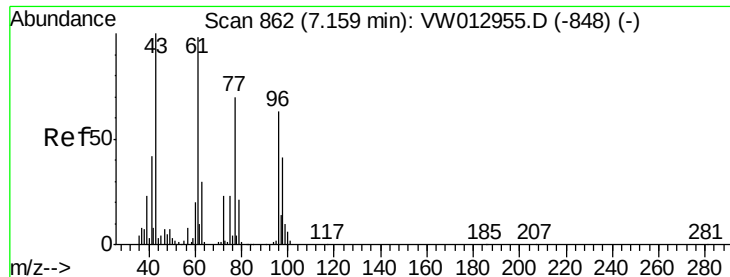
Tgt Ion: 43 Resp: 3019
Ion Ratio Lower Upper
43 100
58 37.1 22.3 33.5#



#20
Methylene Chloride
Concen: 3.031 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW012974.D
Acq: 14 Sep 2019 00:50

Tgt Ion: 84 Resp: 15526
Ion Ratio Lower Upper
84 100
49 150.7 102.0 153.0
51 47.1 34.0 51.0
86 76.3 48.5 72.7#

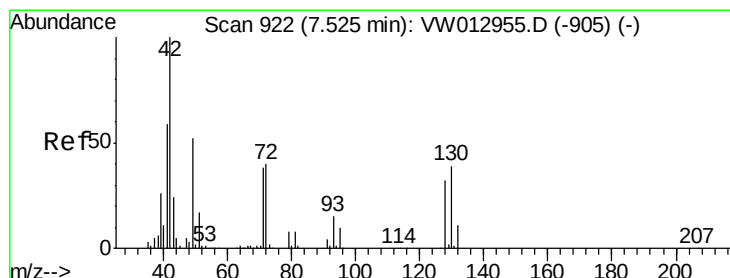
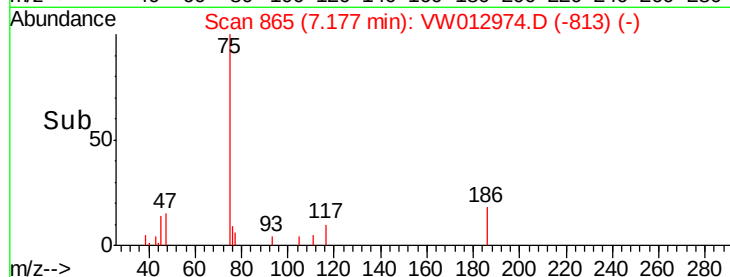
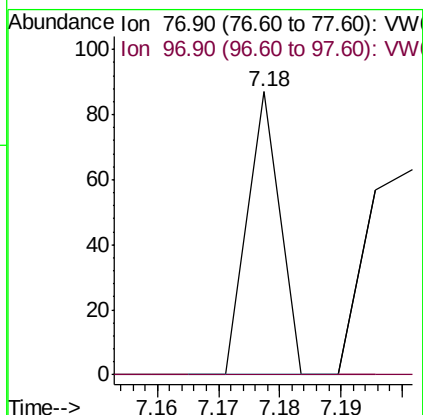
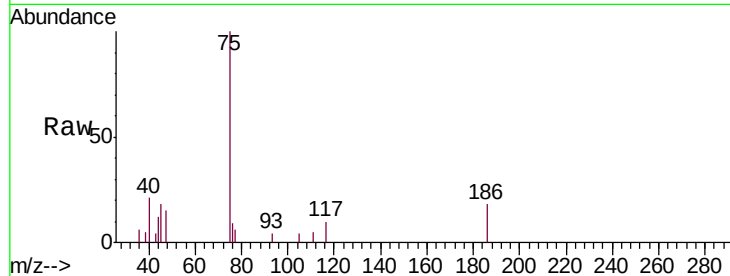




#26
 2,2-Dichloropropane
 Concen: Below Cal
 RT: 7.18 min Scan# 865
 Delta R.T. 0.02 min
 Lab File: VW012974.D
 Acq: 14 Sep 2019 00:50

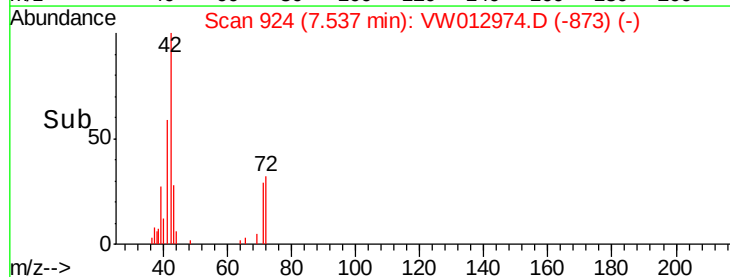
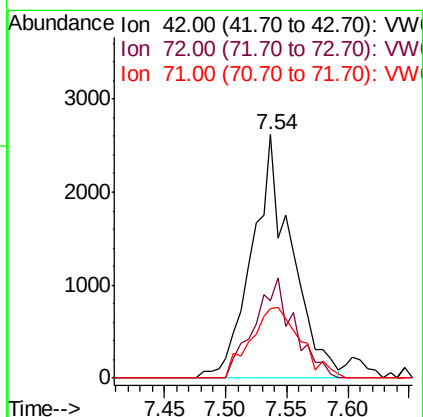
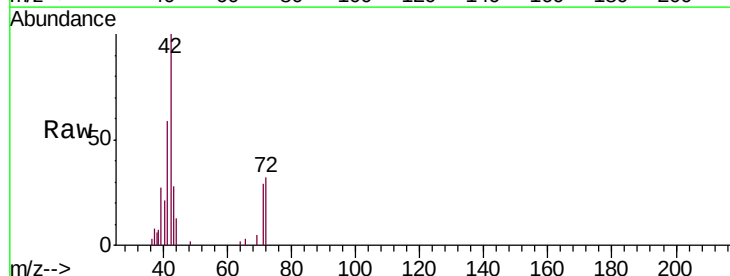
Instrument :
 MSVOA_W
 ClientSampleId :
 T4-3(0)-HELLGATE

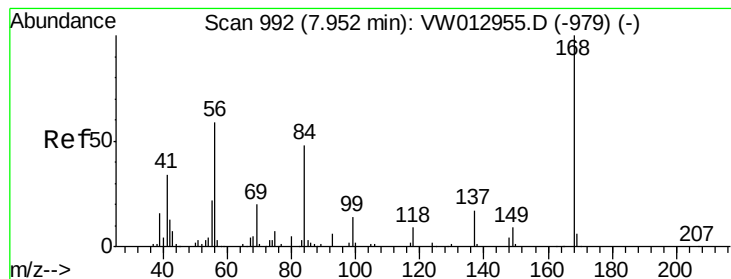
Tgt Ion: 77 Resp: 32
 Ion Ratio Lower Upper
 77 100
 97 0.0 10.7 32.1#



#29
 Tetrahydrofuran
 Concen: 13.333 ug/l
 RT: 7.54 min Scan# 924
 Delta R.T. 0.01 min
 Lab File: VW012974.D
 Acq: 14 Sep 2019 00:50

Tgt Ion: 42 Resp: 5874
 Ion Ratio Lower Upper
 42 100
 72 41.8 31.4 47.0
 71 36.6 29.8 44.8





#31

Cyclohexane

Concen: Below Cal

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012974.D

Acq: 14 Sep 2019 00:50

Instrument :

MSVOA_W

ClientSampleId :

T4-3-(0)-HELLGATE

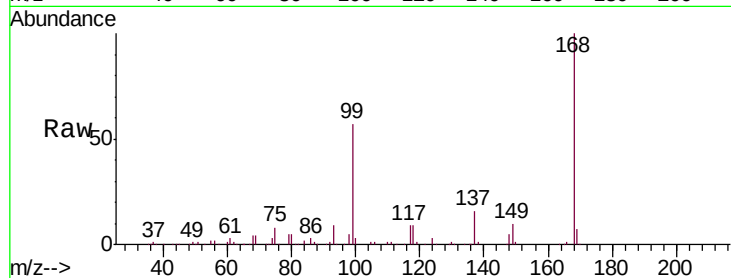
Tgt Ion: 56 Resp: 5432

Ion Ratio Lower Upper

56 100

69 177.7 27.0 40.6#

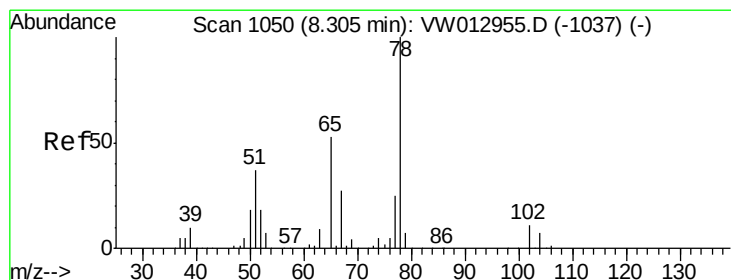
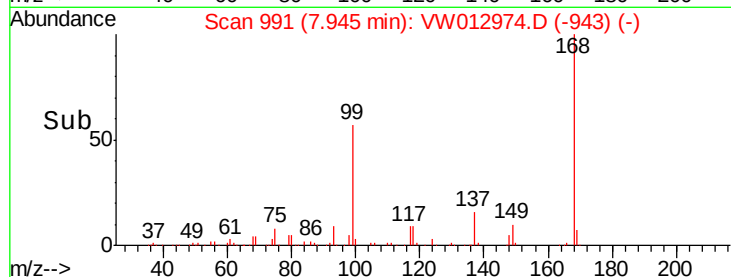
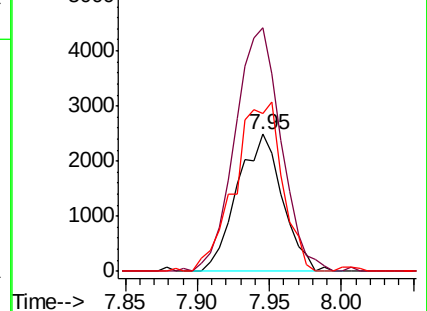
84 115.1 66.2 99.2#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 57.235 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW012974.D

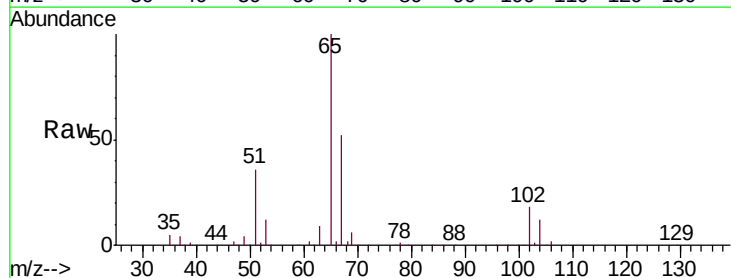
Acq: 14 Sep 2019 00:50

Tgt Ion: 65 Resp: 139174

Ion Ratio Lower Upper

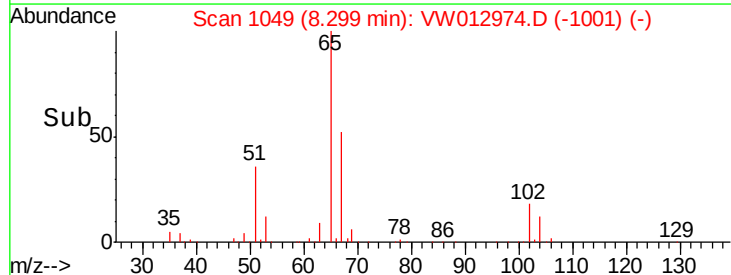
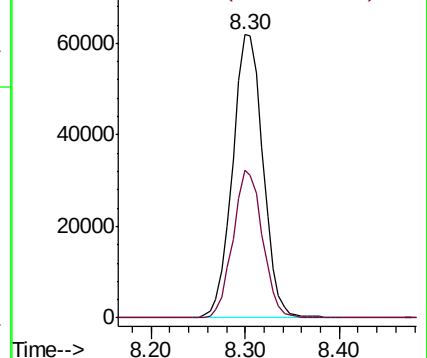
65 100

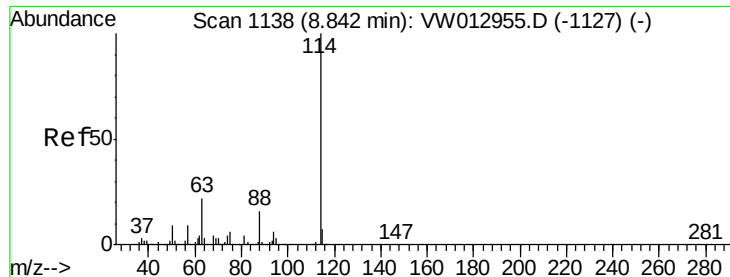
67 50.5 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW012974.D

Acq: 14 Sep 2019 00:50

Instrument :

MSVOA_W

ClientSampleId :

T4-3-(0)-HELLGATE

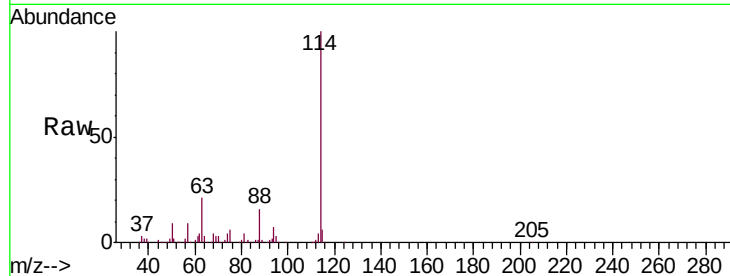
Tgt Ion:114 Resp: 400462

Ion Ratio Lower Upper

114 100

63 21.4 0.0 43.4

88 16.2 0.0 31.6



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

250000

200000

150000

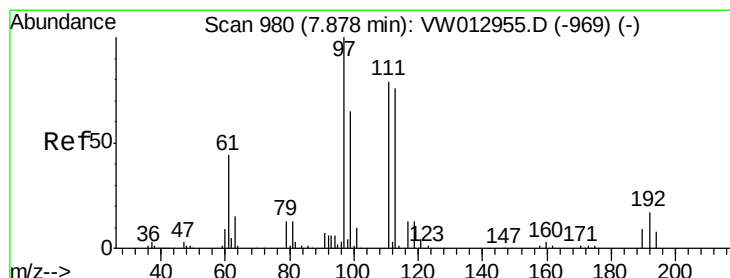
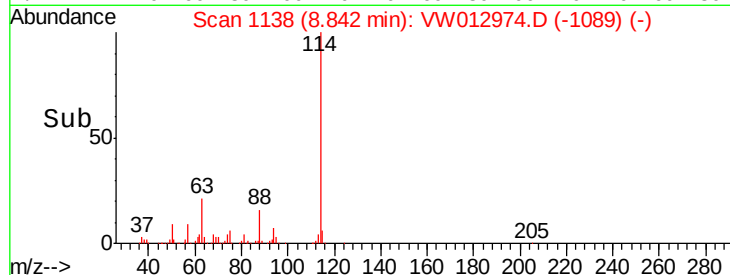
100000

50000

0

8.70 8.80 8.90 9.00

Time-->



#35

Dibromofluoromethane

Concen: 53.728 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW012974.D

Acq: 14 Sep 2019 00:50

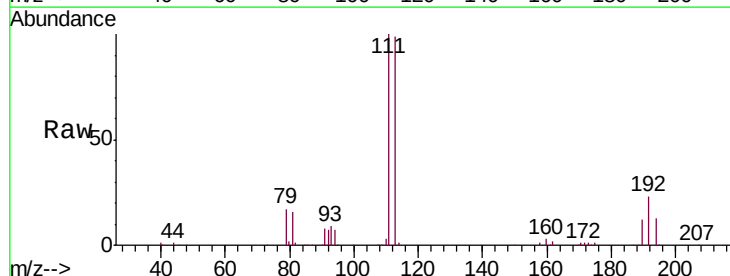
Tgt Ion:113 Resp: 116748

Ion Ratio Lower Upper

113 100

111 103.0 82.8 124.2

192 22.5 17.8 26.8



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

60000

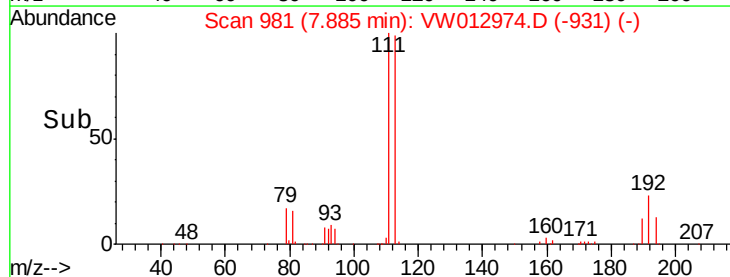
40000

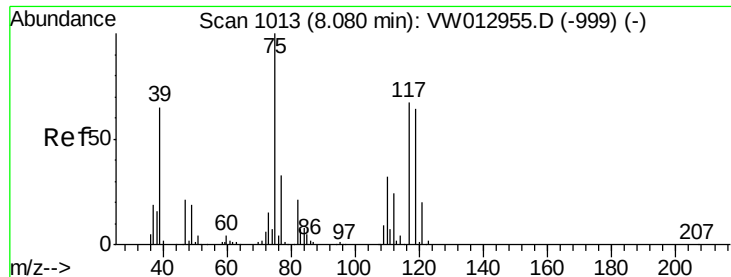
20000

0

7.80 7.90 8.00

Time-->





#36

1,1-Dichloropropene

Concen: 6.215 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012974.D

Acq: 14 Sep 2019 00:50

Instrument :

MSVOA_W

ClientSampleId :

T4-3-(0)-HELLGATE

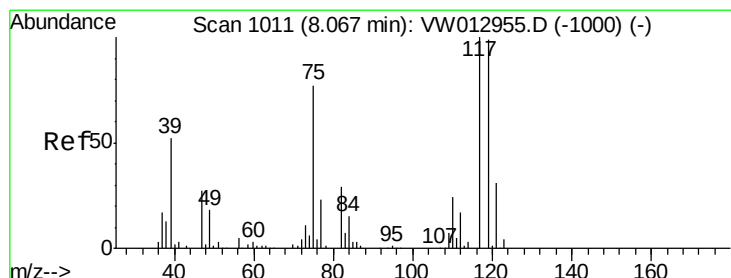
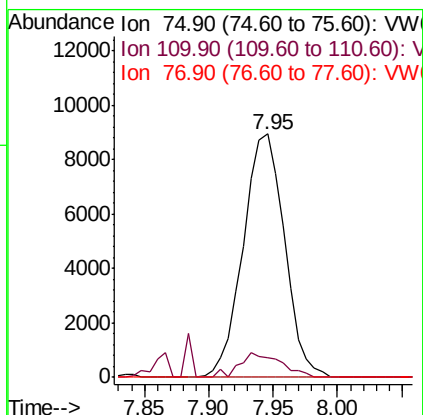
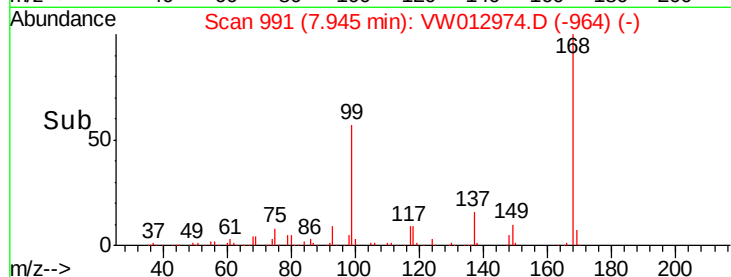
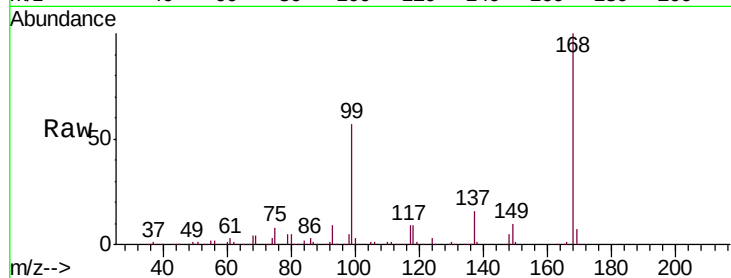
Tgt Ion: 75 Resp: 19889

Ion Ratio Lower Upper

75 100

110 10.3 16.4 49.1#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 7.555 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012974.D

Acq: 14 Sep 2019 00:50

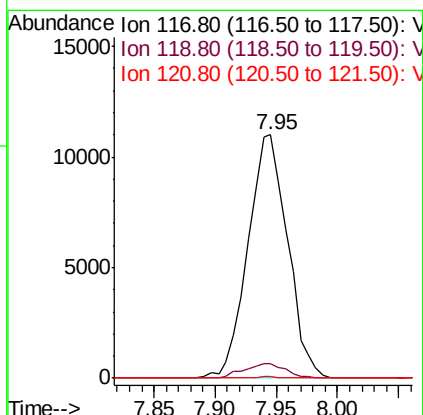
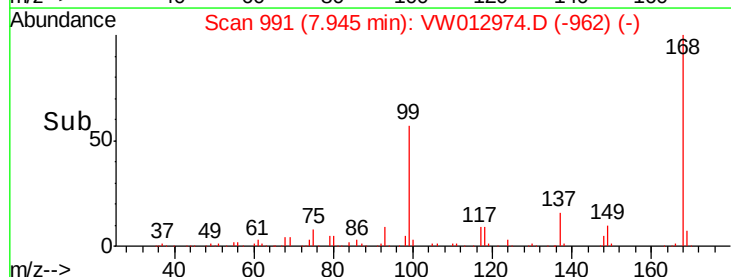
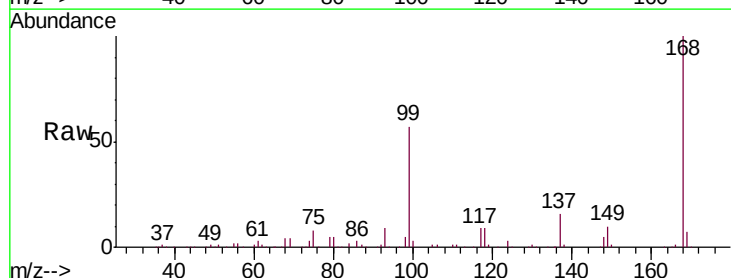
Tgt Ion: 117 Resp: 24775

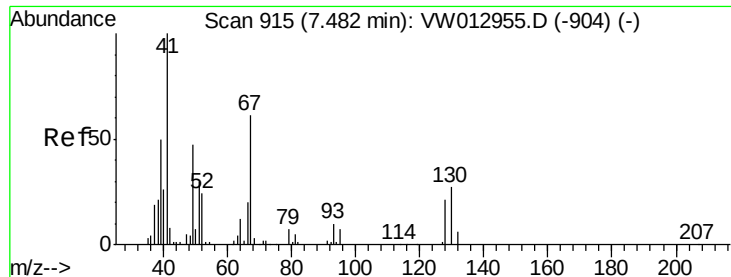
Ion Ratio Lower Upper

117 100

119 6.0 79.4 119.0#

121 0.6 24.6 36.8#





#41

Methacrylonitrile

Concen: 3.699 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.05 min

Lab File: VW012974.D

Acq: 14 Sep 2019 00:50

Instrument :

MSVOA_W

ClientSampleId :

T4-3-(0)-HELLGATE

Tgt Ion: 41 Resp: 4138

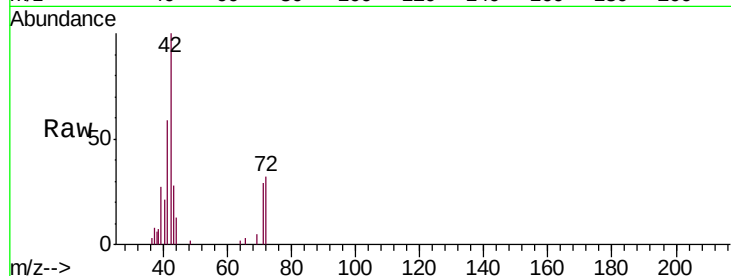
Ion Ratio Lower Upper

41 100

39 45.2 48.2 72.4#

67 0.0 47.5 71.3#

52 0.0 21.0 31.4#

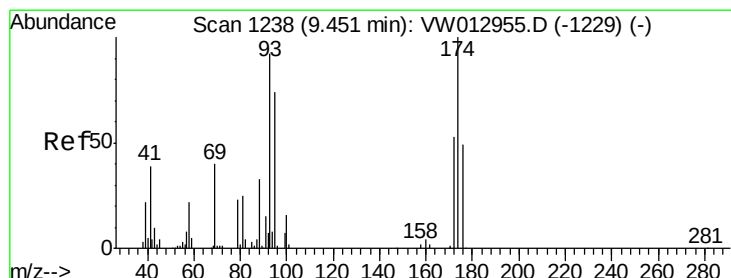
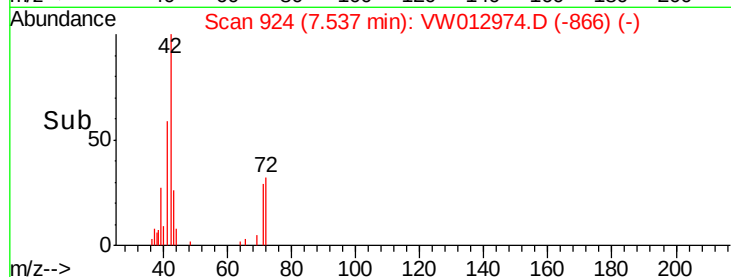
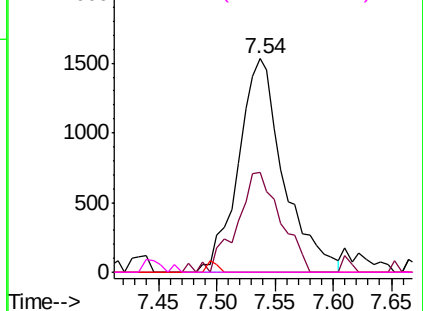


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 1.207 ug/l

RT: 9.43 min Scan# 1234

Delta R.T. -0.02 min

Lab File: VW012974.D

Acq: 14 Sep 2019 00:50

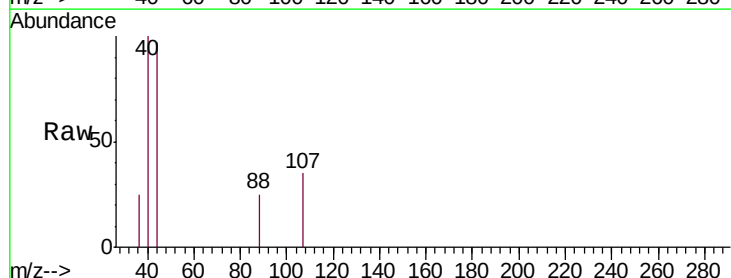
Tgt Ion: 88 Resp: 23

Ion Ratio Lower Upper

88 100

43 0.0 31.3 46.9#

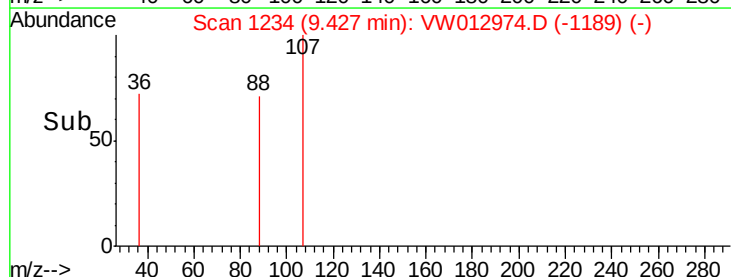
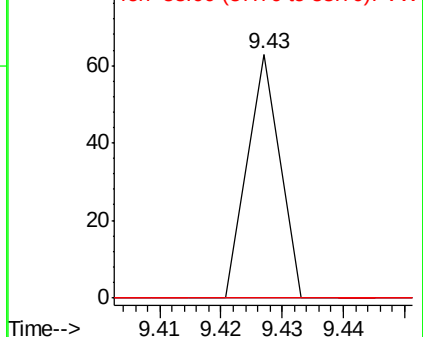
58 0.0 60.2 90.2#

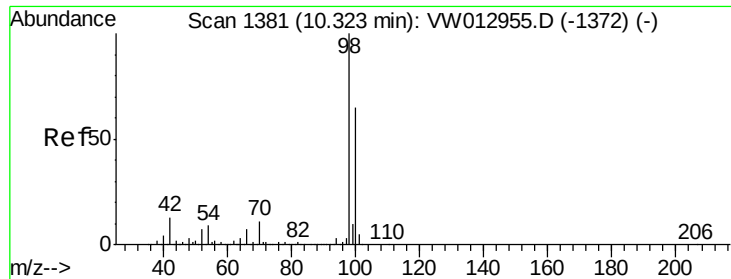


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

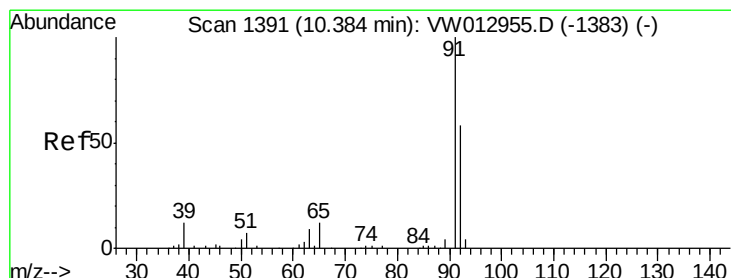
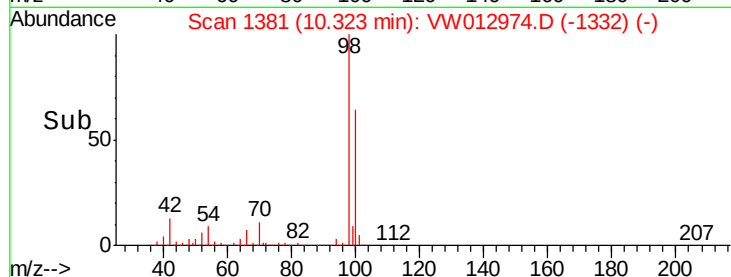
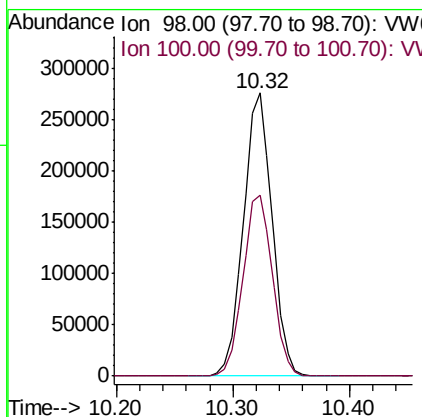
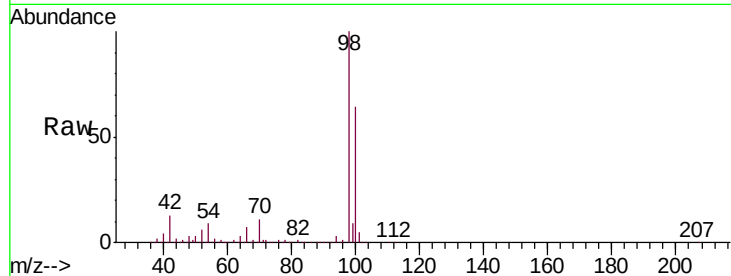




#50
Toluene-d8
Concen: 55.933 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012974.D
Acq: 14 Sep 2019 00:50

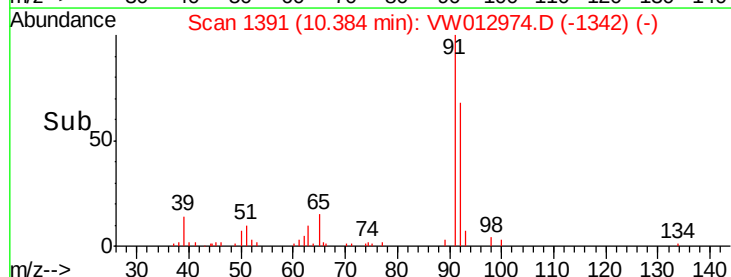
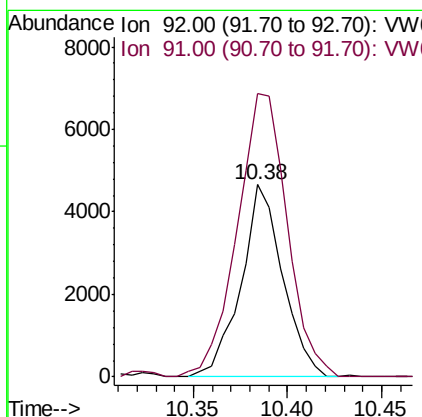
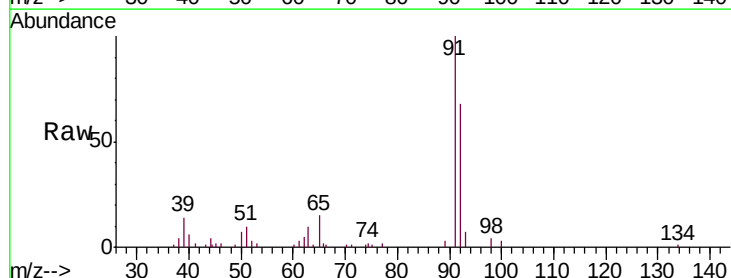
Instrument :
MSVOA_W
ClientSampleId :
T4-3(0)-HELLGATE

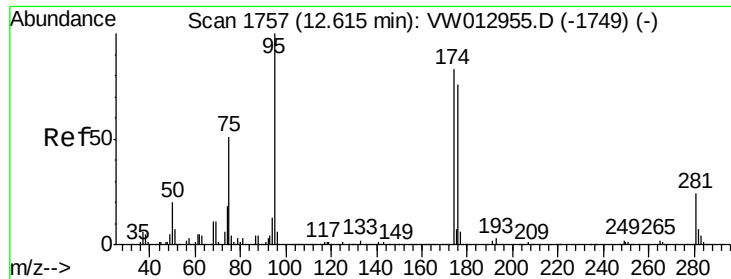
Tgt Ion: 98 Resp: 475601
Ion Ratio Lower Upper
98 100
100 65.4 52.1 78.1



#52
Toluene
Concen: 1.261 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VW012974.D
Acq: 14 Sep 2019 00:50

Tgt Ion: 92 Resp: 7156
Ion Ratio Lower Upper
92 100
91 176.6 137.5 206.3

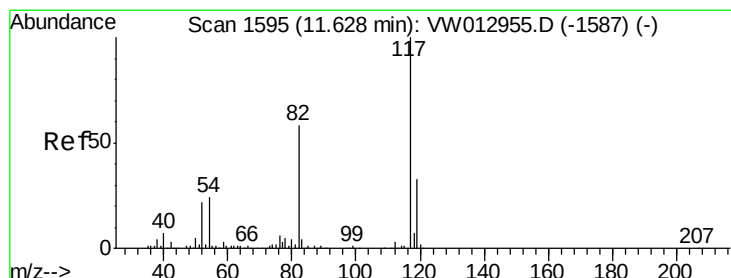
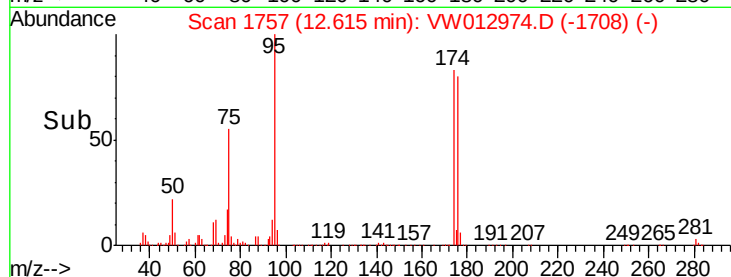
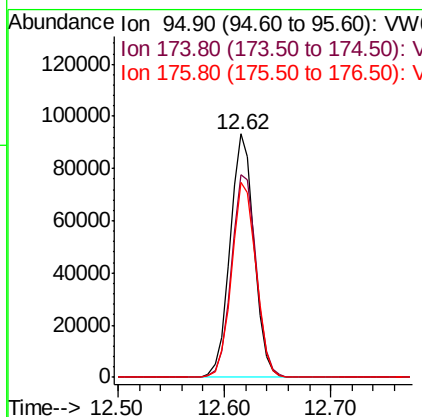
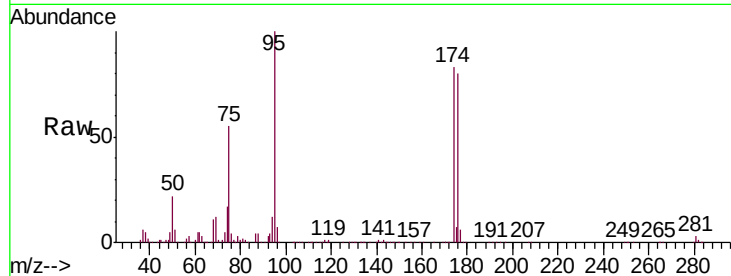




#62
4-Bromofluorobenzene
Concen: 48.223 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012974.D
Acq: 14 Sep 2019 00:50

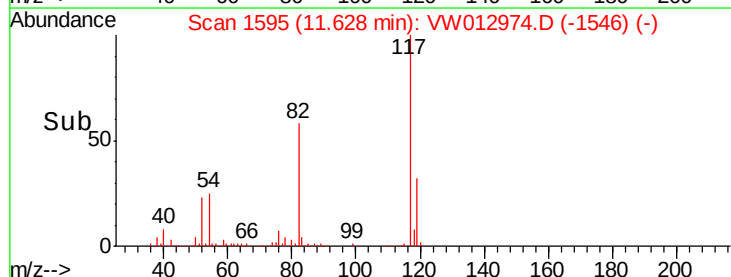
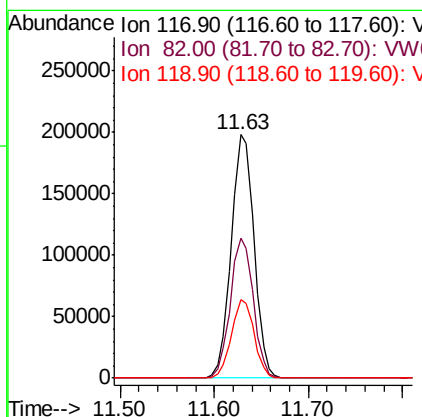
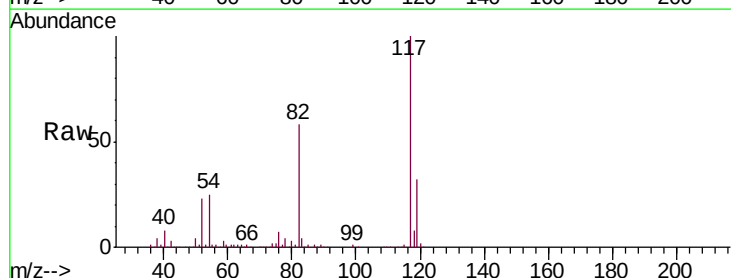
Instrument :
MSVOA_W
ClientSampleId :
T4-3-(0)-HELLGATE

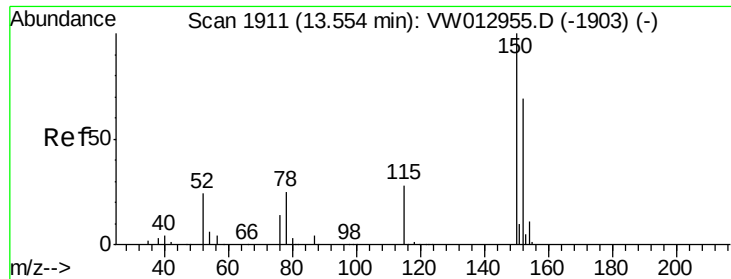
Tgt Ion: 95 Resp: 147441
Ion Ratio Lower Upper
95 100
174 86.1 0.0 170.4
176 81.8 0.0 164.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW012974.D
Acq: 14 Sep 2019 00:50

Tgt Ion: 117 Resp: 333920
Ion Ratio Lower Upper
117 100
82 57.7 46.3 69.5
119 32.5 26.2 39.4

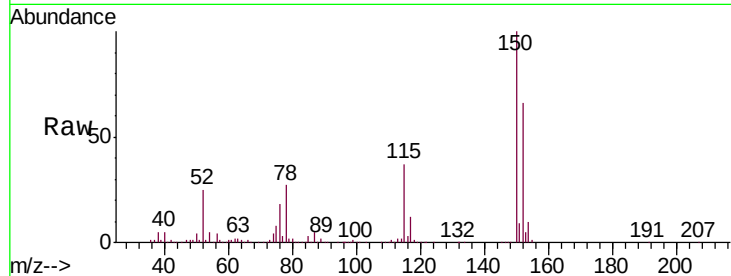




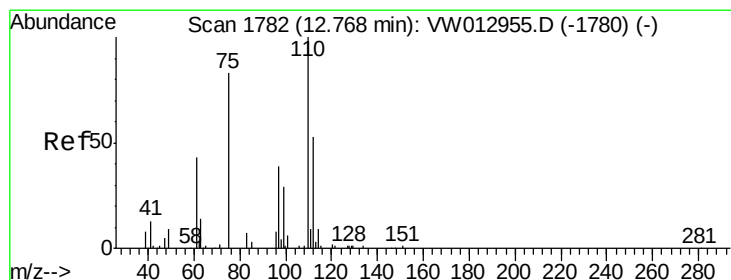
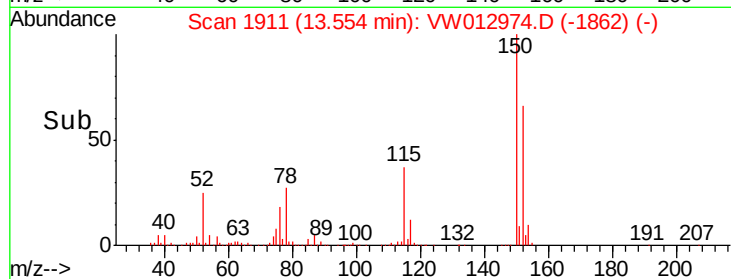
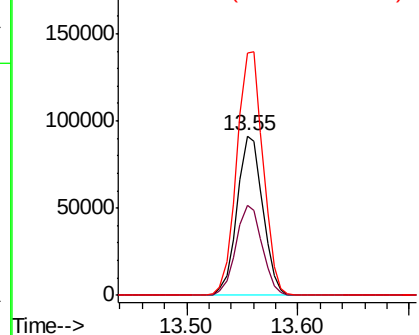
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.55 min Scan# 1911
 Delta R.T. -0.00 min
 Lab File: VW012974.D
 Acq: 14 Sep 2019 00:50

Instrument :
 MSVOA_W
 ClientSampleId :
 T4-3-(0)-HELLGATE

Tgt Ion: 152 Resp: 145225
 Ion Ratio Lower Upper
 152 100
 115 57.7 28.8 86.4
 150 157.1 0.0 340.2

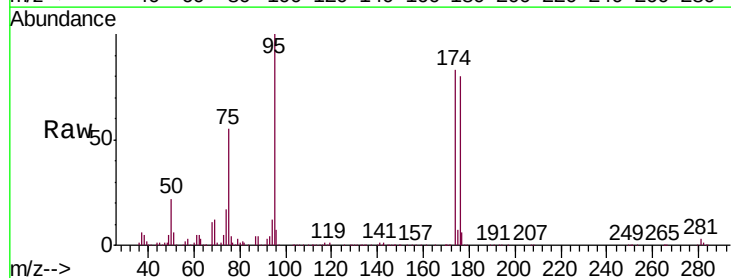


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

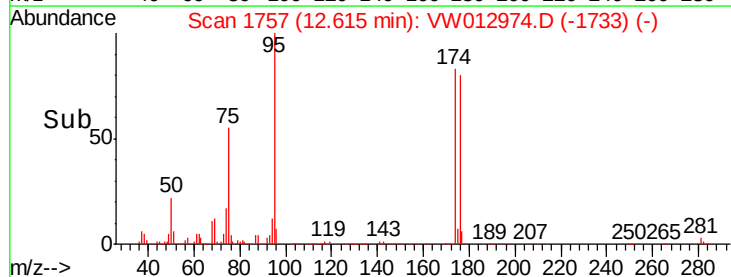
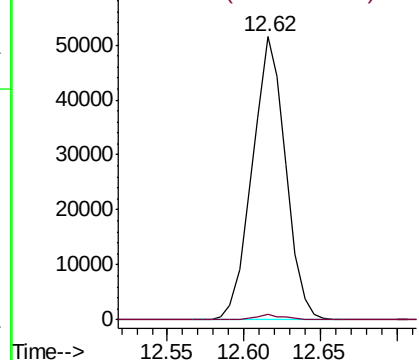


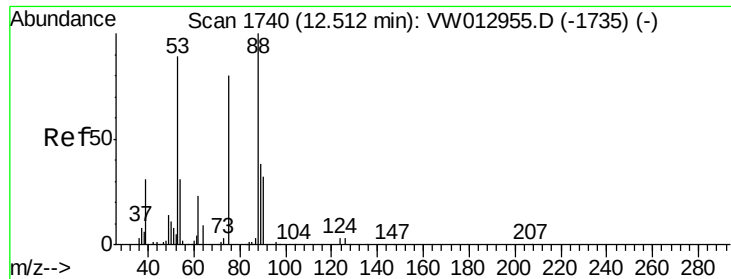
#76
 1,2,3-Trichloropropane
 Concen: 61.357 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW012974.D
 Acq: 14 Sep 2019 00:50

Tgt Ion: 75 Resp: 78049
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 139.186 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012974.D

Acq: 14 Sep 2019 00:50

Instrument :

MSVOA_W

ClientSampleId :

T4-3-(0)-HELLGATE

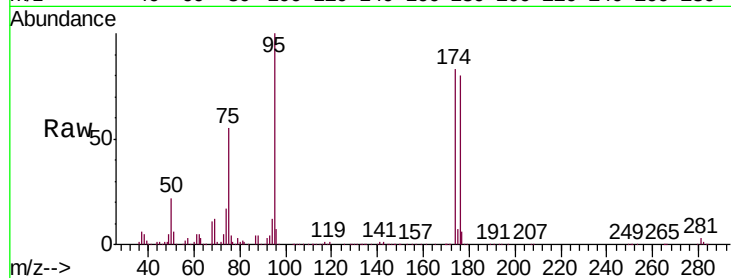
Tgt Ion: 75 Resp: 78049

Ion Ratio Lower Upper

75 100

53 0.0 85.6 128.4#

89 0.2 37.2 55.8#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

