

Data File : VW012972.D
Acq On : 13 Sep 2019 23:59
Operator : SY/VA
Sample : K4719-11
Misc : 5.12G/5ML/MSVOA_W/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T4-2(0)-HELLGATE

Quant Time: Sep 14 04:26:03 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	267712	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	402282	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	330014	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	134171	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	139406	56.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.76%	
35) Dibromofluoromethane	7.88	113	117203	53.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.38%	
50) Toluene-d8	10.32	98	470798	55.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.24%	
62) 4-Bromofluorobenzene	12.62	95	143500	46.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.44%	

Target Compounds			Qvalue			
3) Chloromethane	2.21	50	172	Below Cal	#	41
11) Tert butyl alcohol	5.20	59	27	Below Cal	#	72
13) Acrolein	3.68	56	24	Below Cal	#	1
16) Acetone	4.14	43	313	Below Cal	#	47
20) Methylene Chloride	4.92	84	4664	Below Cal	#	82
26) 2,2-Dichloropropane	7.15	77	168	Below Cal	#	55
31) Cyclohexane	7.95	56	5387	Below Cal	#	1
36) 1,1-Dichloropropene	7.95	75	20184	6.279 ug/l	#	52
38) Carbon Tetrachloride	7.95	117	25889	7.859 ug/l	#	15
51) 4-Methyl-2-Pentanone	10.32	43	2512	1.485 ug/l	#	1
76) 1,2,3-Trichloropropane	12.62	75	73907	62.887 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.62	75	73907	142.658 ug/l	#	7

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

Data File : VW012972.D

Acq On : 13 Sep 2019 23:59

Operator : SY/VA

Sample : K4719-11

Misc : 5.12G/5ML/MSVOA_W/SOIL

ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T4-2-(0)-HELLGATE

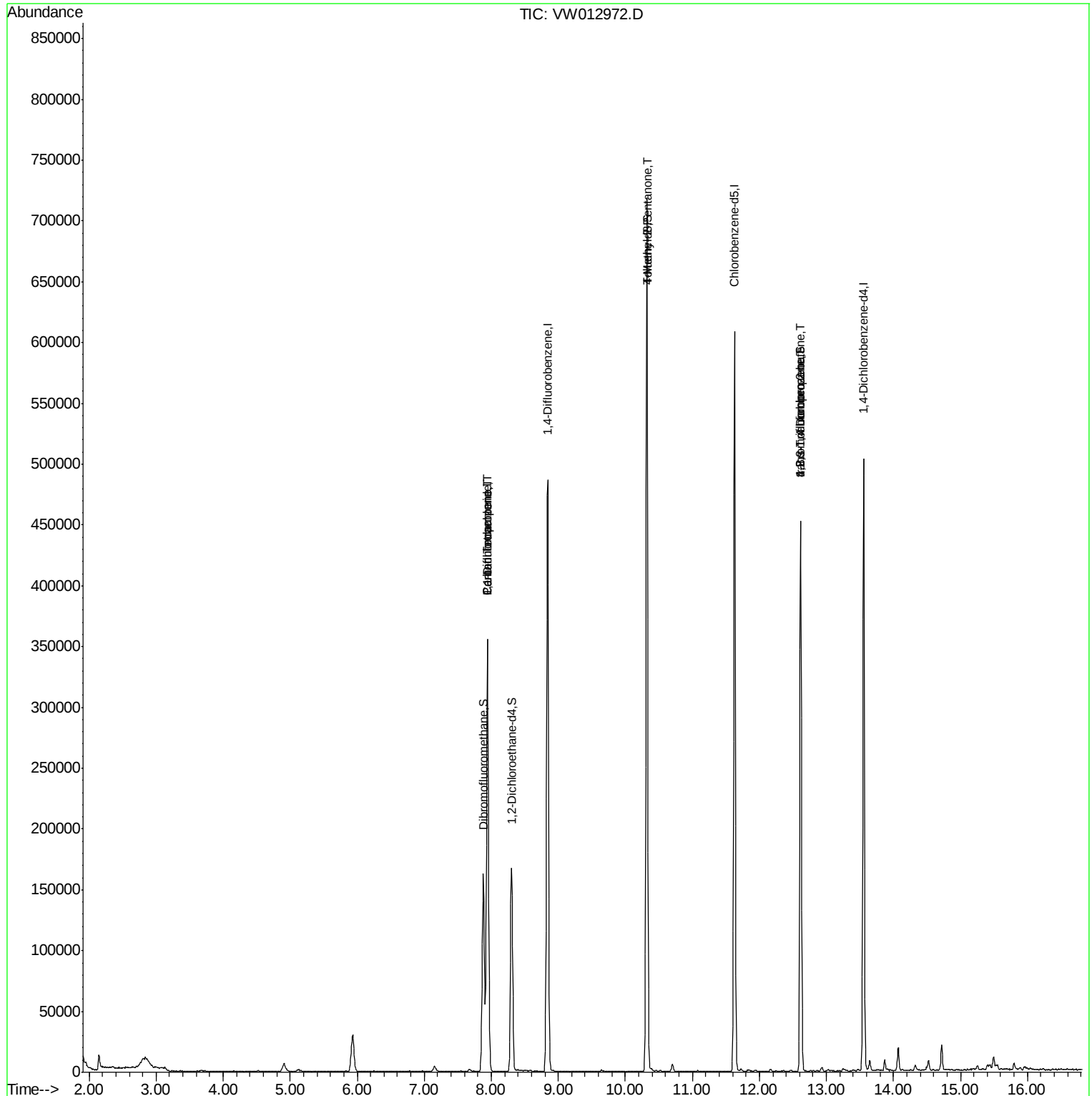
Quant Time: Sep 14 04:26:03 2019

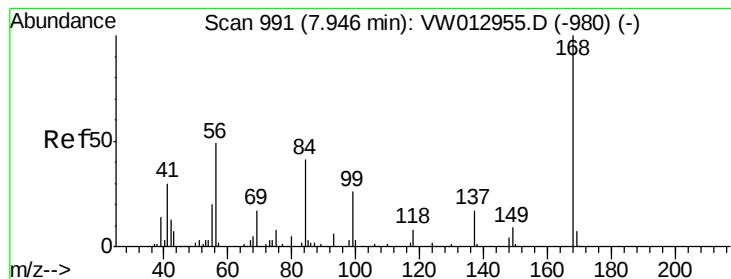
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_W\METHOD\82W091419S.M

Quant Title : SW846 8260

QLast Update : Fri Sep 13 17:26:01 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: VW012972.D

Acq: 13 Sep 2019 23:59

Instrument :

MSVOA_W

ClientSampleId :

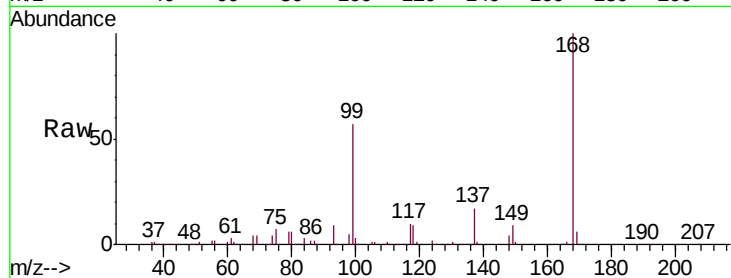
T4-2(0)-HELLGATE

Tgt Ion:168 Resp: 267712

Ion Ratio Lower Upper

168 100

99 56.7 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

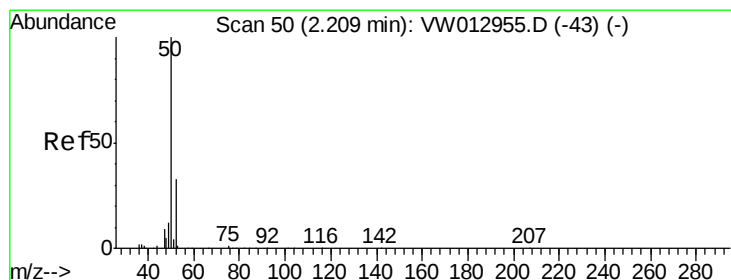
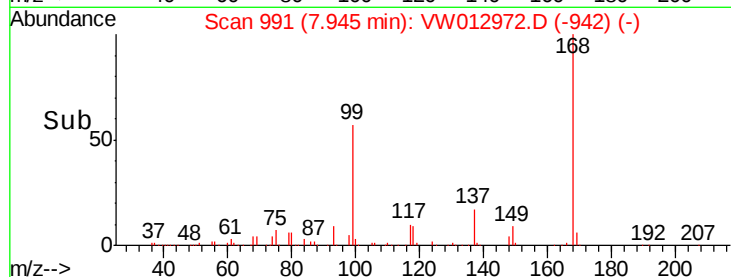
7.95

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW012972.D

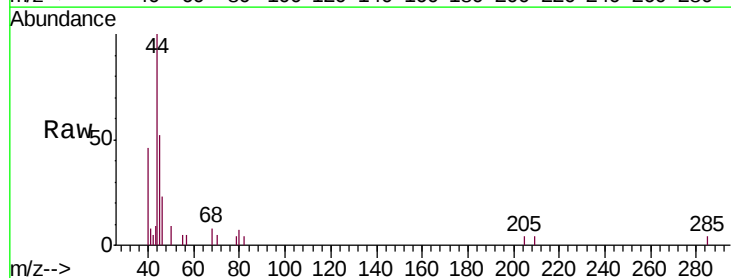
Acq: 13 Sep 2019 23:59

Tgt Ion: 50 Resp: 172

Ion Ratio Lower Upper

50 100

52 0.0 26.6 39.8#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

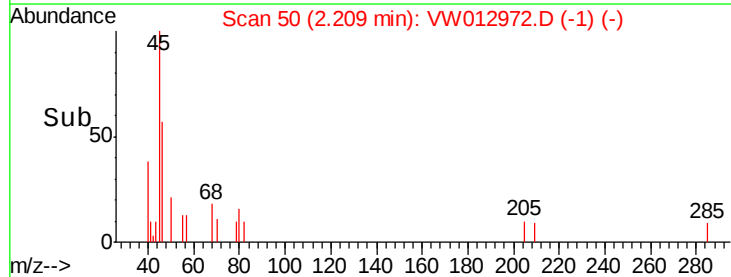
150

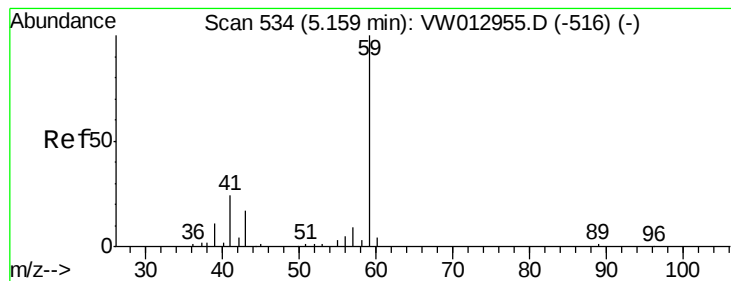
100

50

0

Time-->



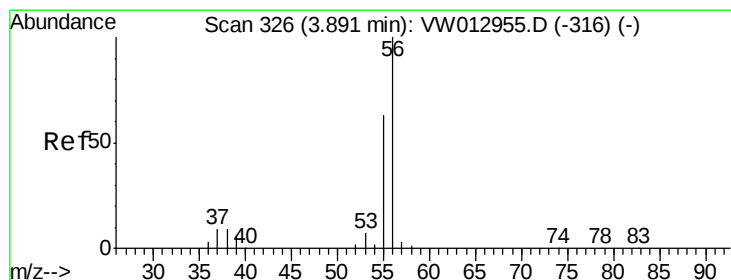
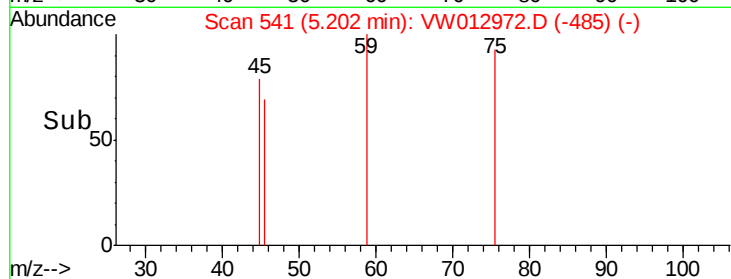
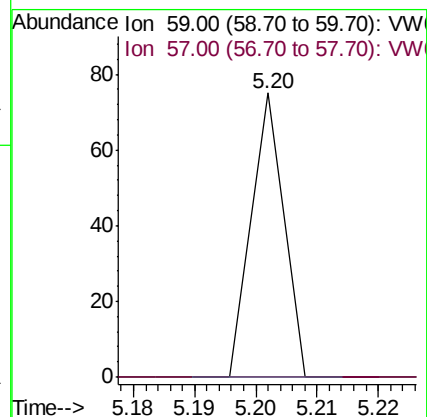
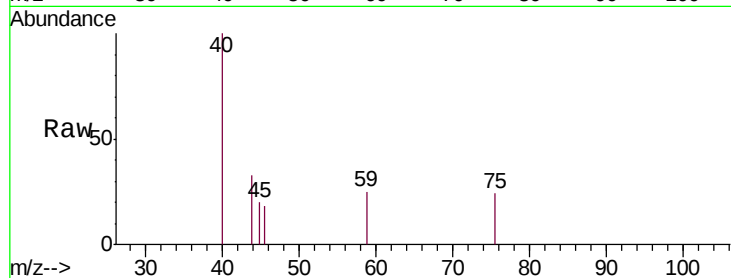


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.20 min Scan# 541
 Delta R.T. 0.04 min
 Lab File: VW012972.D
 Acq: 13 Sep 2019 23:59

Instrument :
 MSVOA_W
 ClientSampleId :
 T4-2(0)-HELLGATE

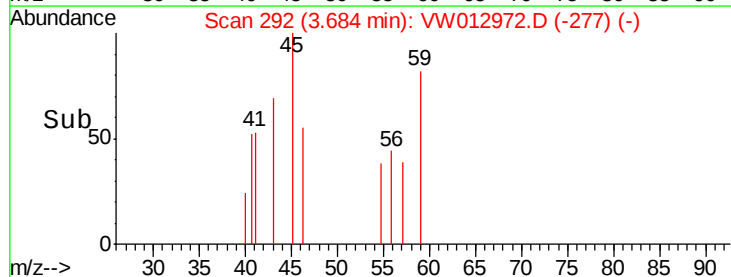
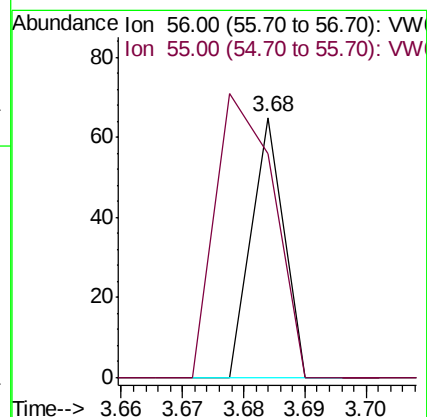
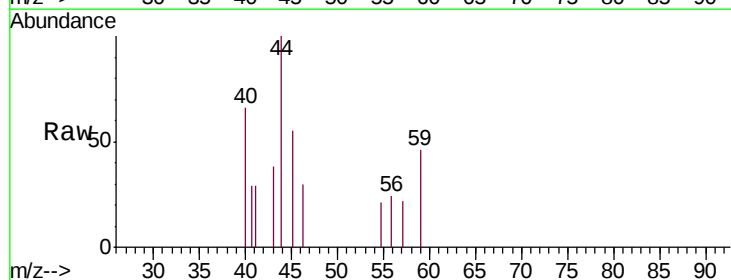
Tgt Ion: 59 Resp: 27
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

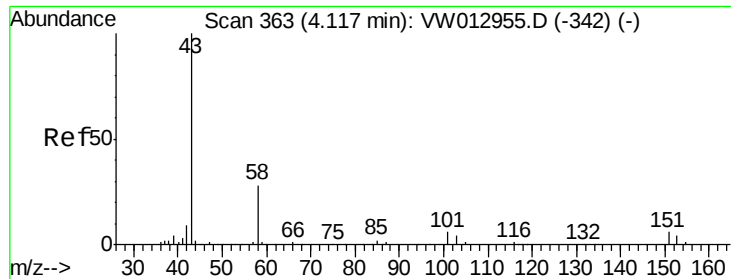


#13

Acrolein
 Concen: Below Cal
 RT: 3.68 min Scan# 292
 Delta R.T. -0.21 min
 Lab File: VW012972.D
 Acq: 13 Sep 2019 23:59

Tgt Ion: 56 Resp: 24
 Ion Ratio Lower Upper
 56 100
 55 191.7 55.8 83.8#





#16

Acetone

Concen: Below Cal

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW012972.D

Acq: 13 Sep 2019 23:59

Instrument :

MSVOA_W

ClientSampleId :

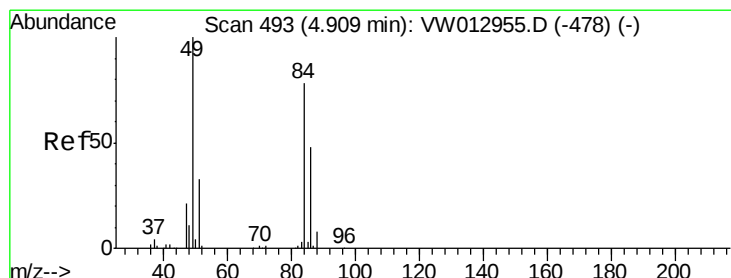
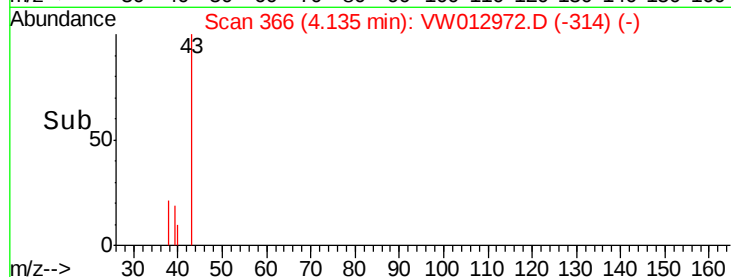
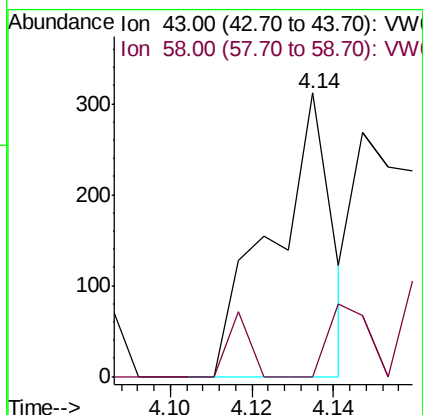
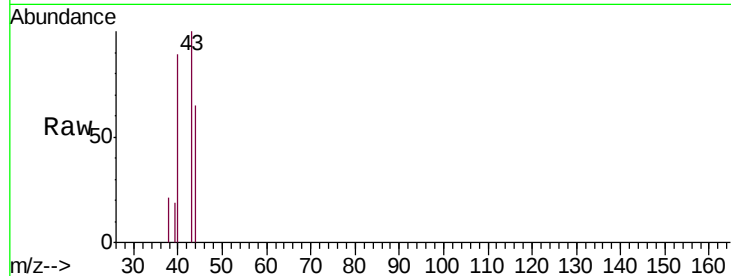
T4-2-(0)-HELLGATE

Tgt Ion: 43 Resp: 313

Ion Ratio Lower Upper

43 100

58 0.0 22.3 33.5#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW012972.D

Acq: 13 Sep 2019 23:59

Tgt Ion: 84 Resp: 4664

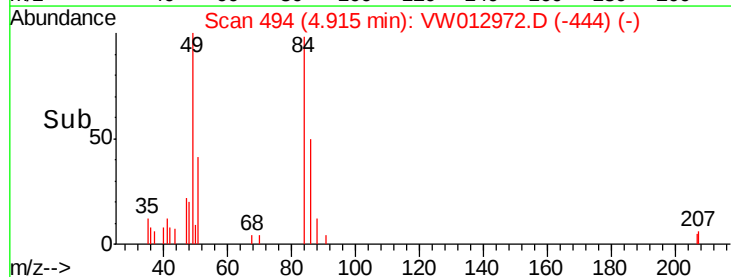
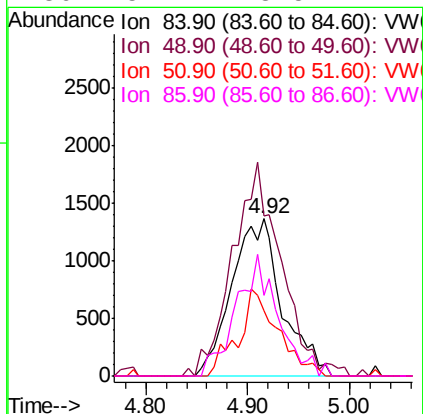
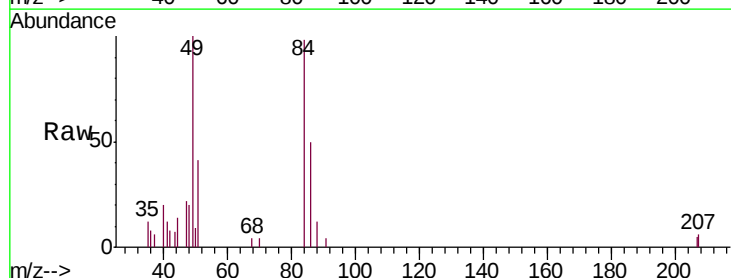
Ion Ratio Lower Upper

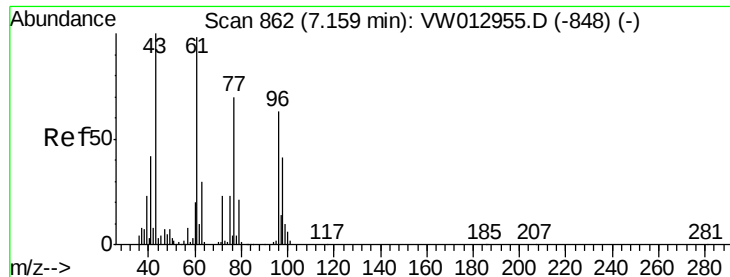
84 100

49 97.1 102.0 153.0#

51 41.4 34.0 51.0

86 51.1 48.5 72.7





#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.15 min Scan# 860

Delta R.T. -0.01 min

Lab File: VW012972.D

Acq: 13 Sep 2019 23:59

Instrument :

MSVOA_W

ClientSampleId :

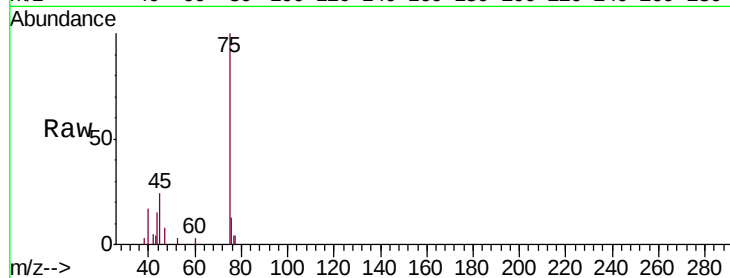
T4-2(0)-HELLGATE

Tgt Ion: 77 Resp: 168

Ion Ratio Lower Upper

77 100

97 0.0 10.7 32.1#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

7.15

150

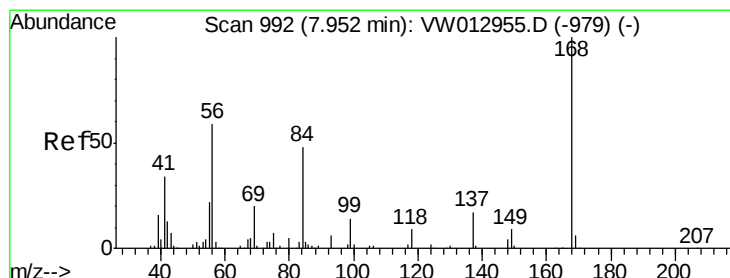
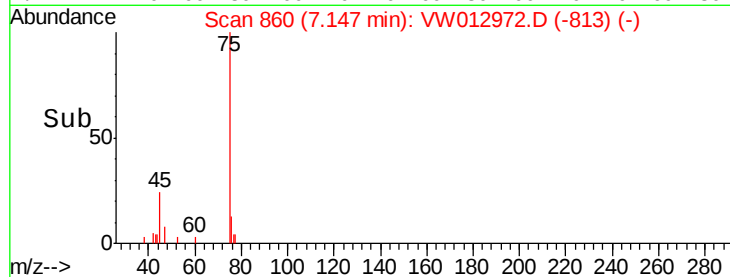
100

50

0

7.12 7.14 7.16 7.18

Time-->



#31

Cyclohexane

Concen: Below Cal

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012972.D

Acq: 13 Sep 2019 23:59

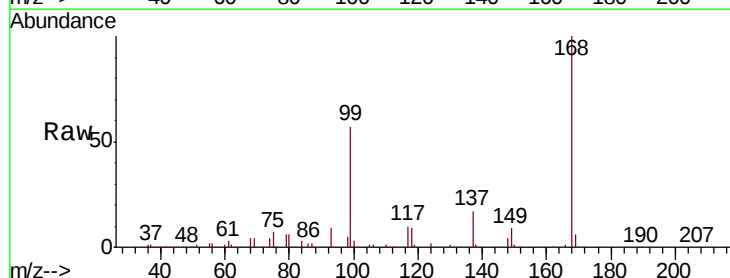
Tgt Ion: 56 Resp: 5387

Ion Ratio Lower Upper

56 100

69 193.2 27.0 40.6#

84 147.2 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

6000

5000

4000

3000

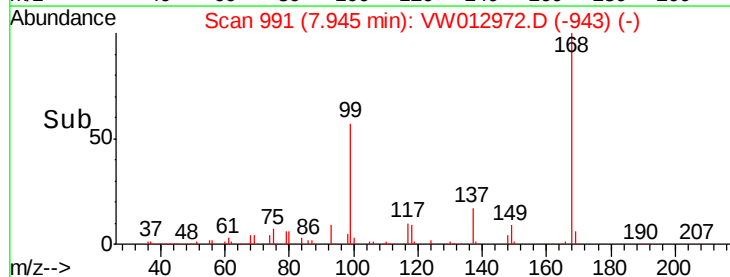
2000

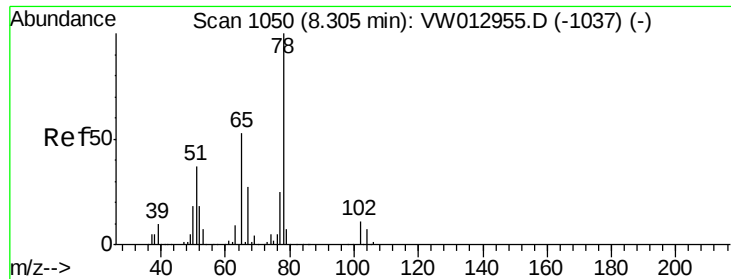
1000

0

7.85 7.90 7.95 8.00 8.05

Time-->

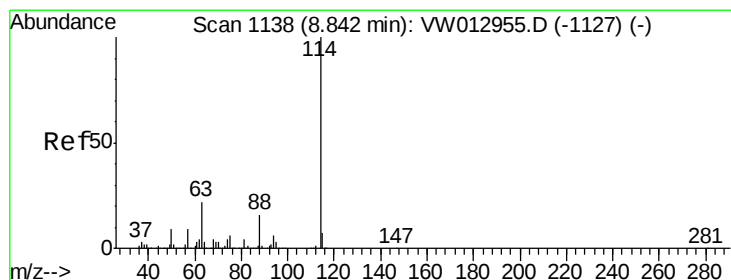
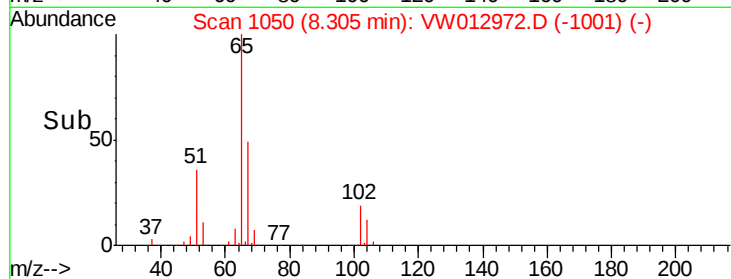
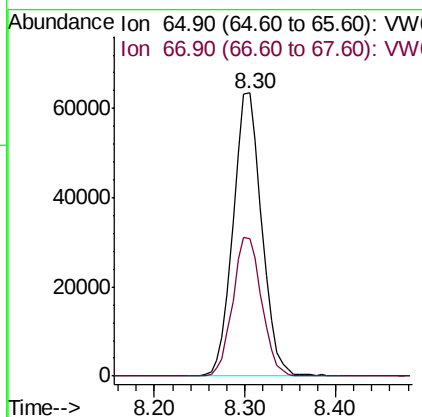
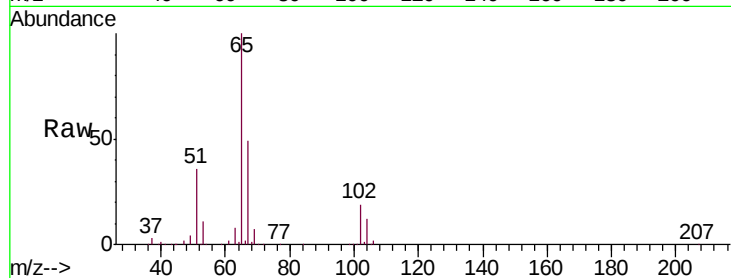




#33
 1,2-Dichloroethane-d4
 Concen: 56.382 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012972.D
 Acq: 13 Sep 2019 23:59

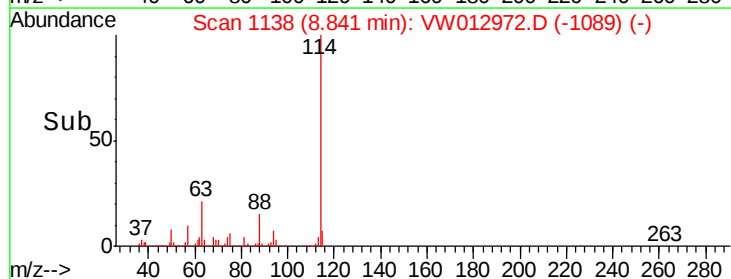
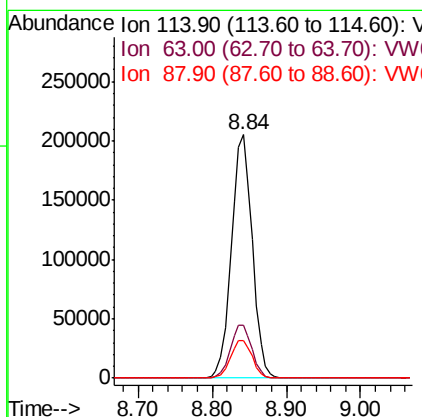
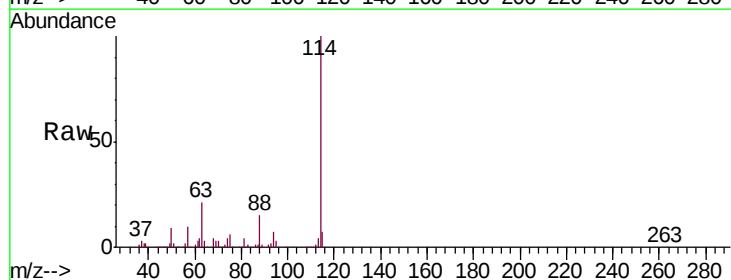
Instrument :
 MSVOA_W
 ClientSampleId :
 T4-2(0)-HELLGATE

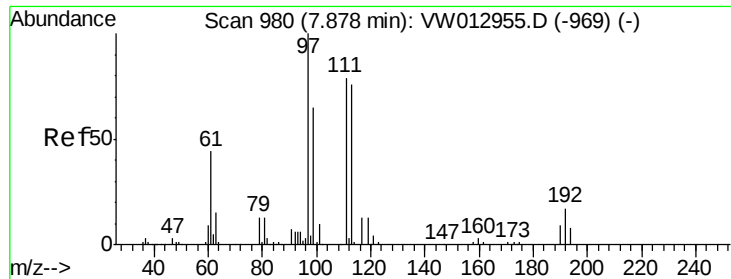
Tgt Ion: 65 Resp: 139406
 Ion Ratio Lower Upper
 65 100
 67 49.5 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012972.D
 Acq: 13 Sep 2019 23:59

Tgt Ion: 114 Resp: 402282
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 43.4
 88 15.4 0.0 31.6

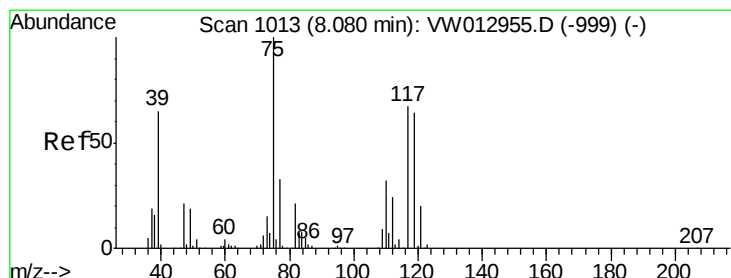
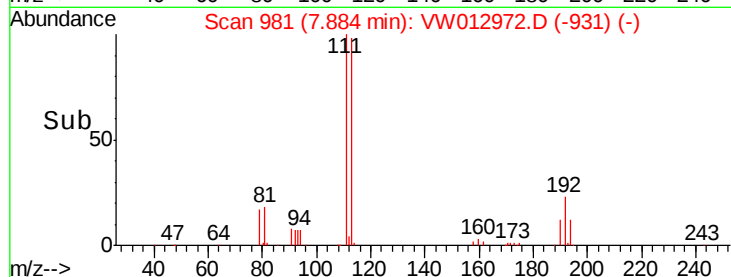
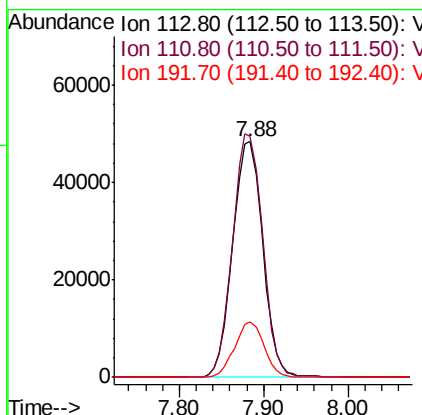
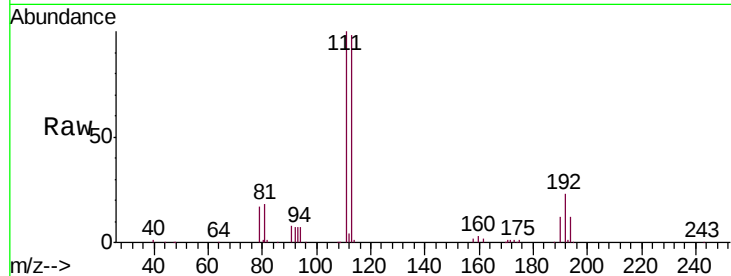




#35
 Dibromofluoromethane
 Concen: 53.693 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW012972.D
 Acq: 13 Sep 2019 23:59

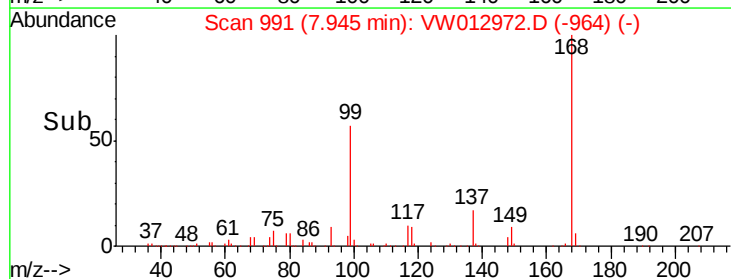
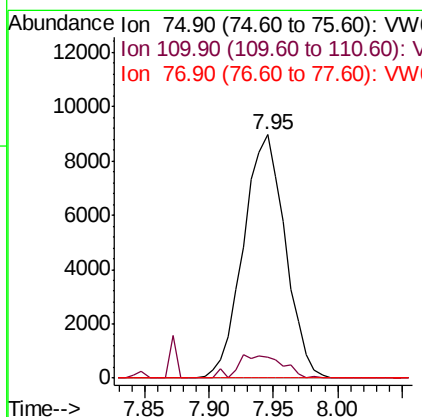
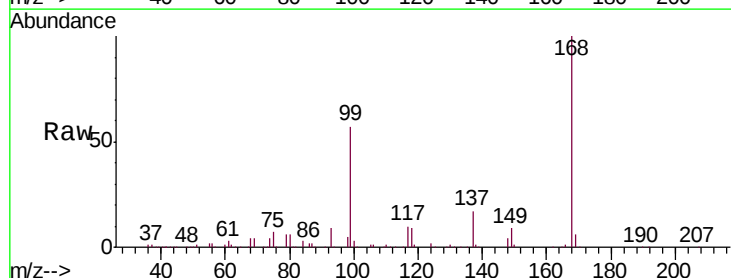
Instrument :
 MSVOA_W
 ClientSampleId :
 T4-2-(0)-HELLGATE

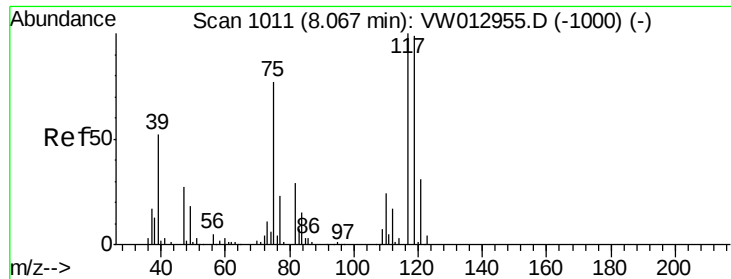
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.8	124.2
192	22.8	17.8	26.8



#36
 1,1-Dichloropropene
 Concen: 6.279 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012972.D
 Acq: 13 Sep 2019 23:59

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.1	16.4	49.1#
77	0.0	25.1	37.7#

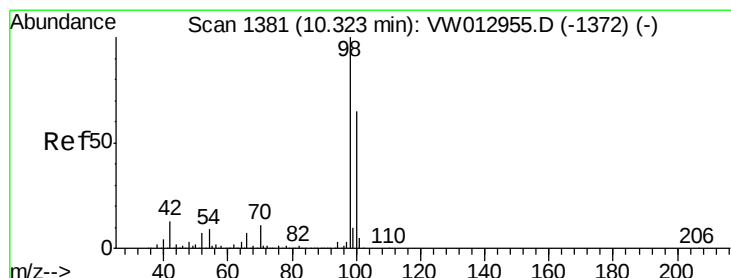
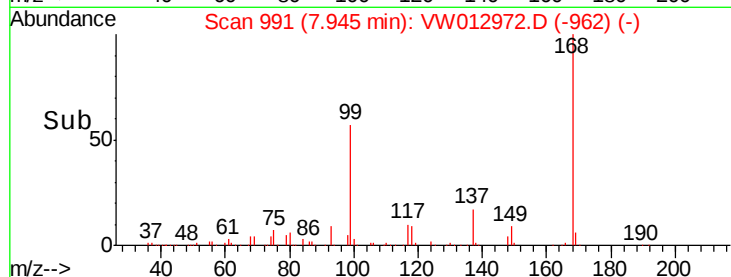
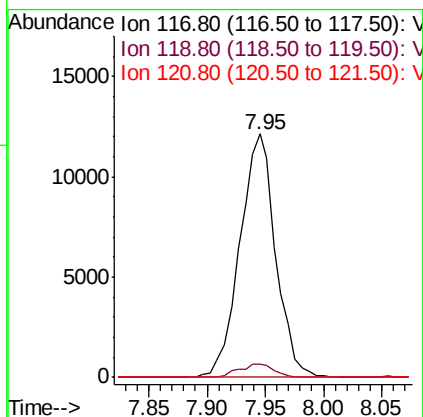
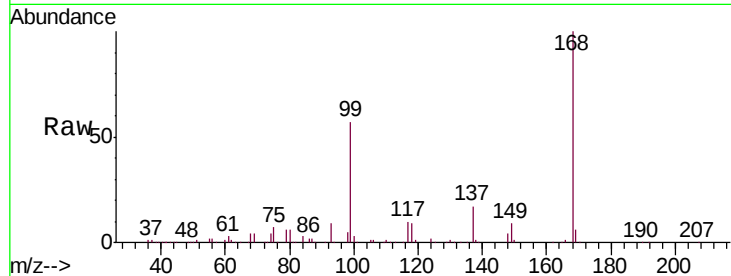




#38
Carbon Tetrachloride
Concen: 7.859 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW012972.D
Acq: 13 Sep 2019 23:59

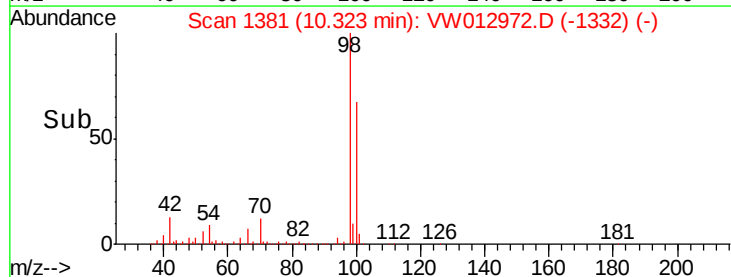
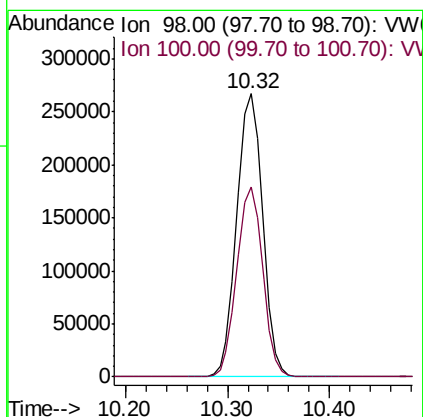
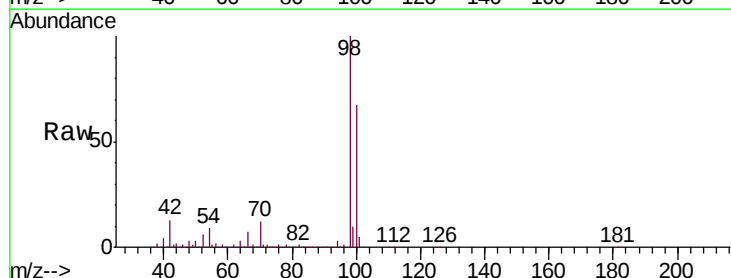
Instrument :
MSVOA_W
ClientSampleId :
T4-2(0)-HELLGATE

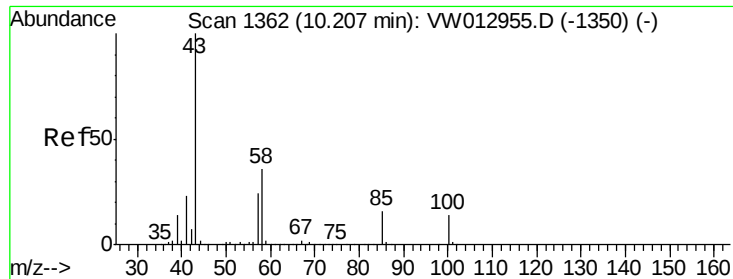
Tgt Ion:117 Resp: 25889
Ion Ratio Lower Upper
117 100
119 5.6 79.4 119.0#
121 0.0 24.6 36.8#



#50
Toluene-d8
Concen: 55.118 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012972.D
Acq: 13 Sep 2019 23:59

Tgt Ion: 98 Resp: 470798
Ion Ratio Lower Upper
98 100
100 66.9 52.1 78.1

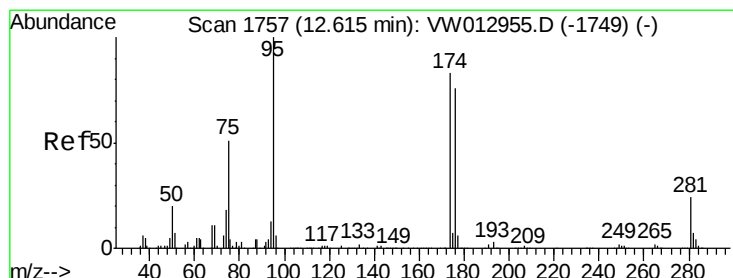
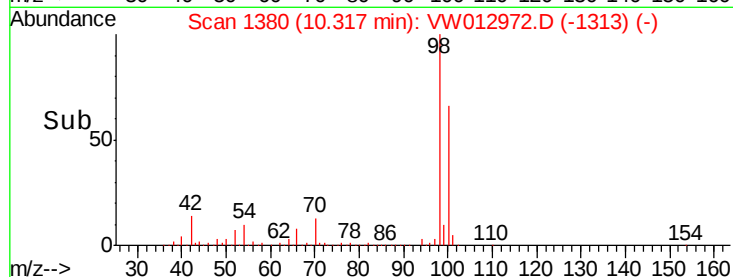
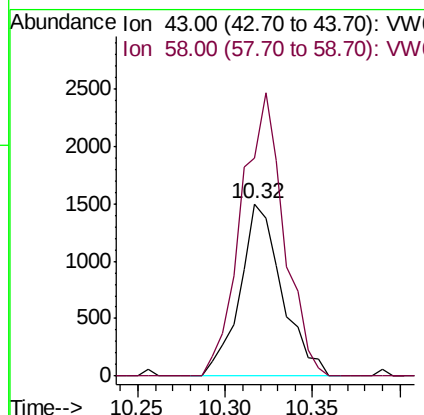
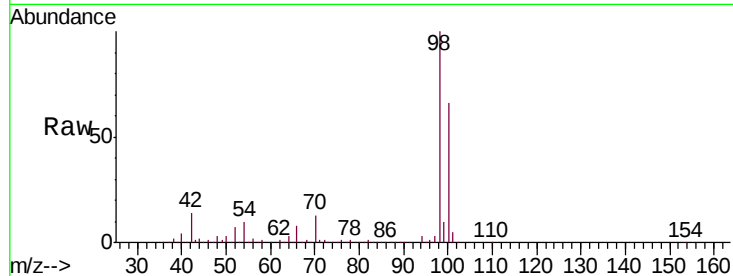




#51
4-Methyl-2-Pentanone
Concen: 1.485 ug/l
RT: 10.32 min Scan# 1380
Delta R.T. 0.11 min
Lab File: VW012972.D
Acq: 13 Sep 2019 23:59

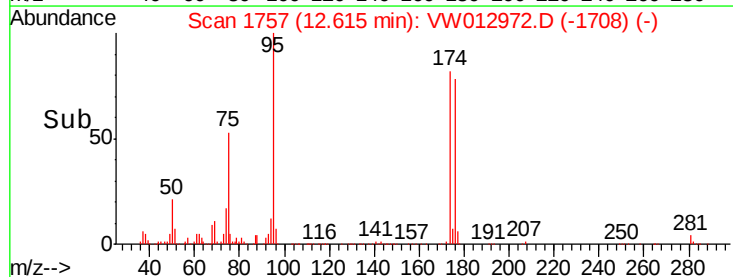
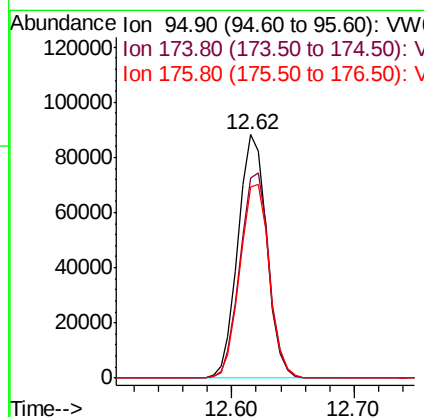
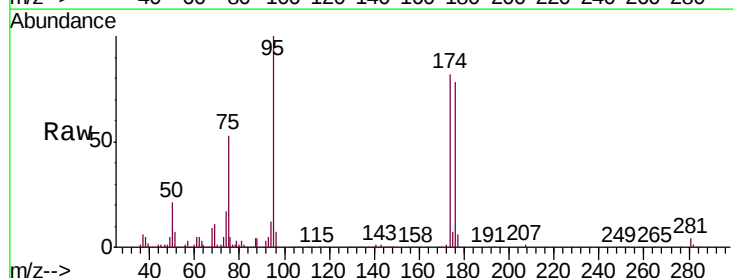
Instrument :
MSVOA_W
ClientSampleId :
T4-2-(0)-HELLGATE

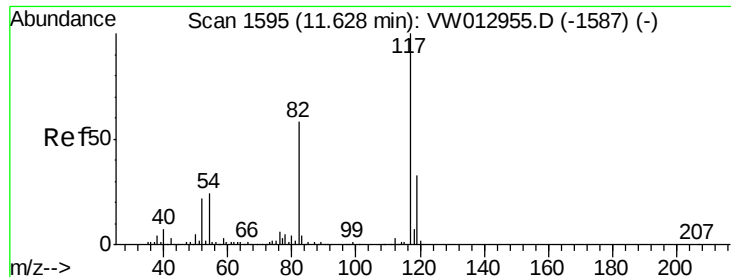
Tgt Ion: 43 Resp: 2512
Ion Ratio Lower Upper
43 100
58 166.6 29.5 44.3#



#62
4-Bromofluorobenzene
Concen: 46.721 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012972.D
Acq: 13 Sep 2019 23:59

Tgt Ion: 95 Resp: 143500
Ion Ratio Lower Upper
95 100
174 85.5 0.0 170.4
176 81.6 0.0 164.6

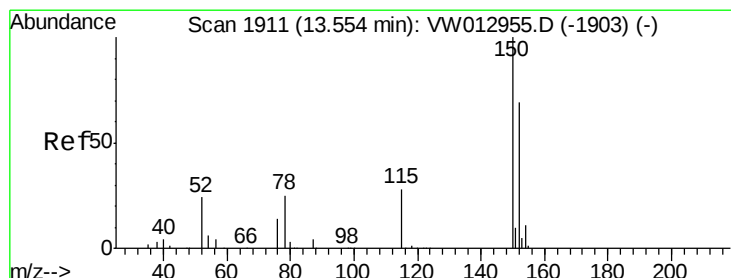
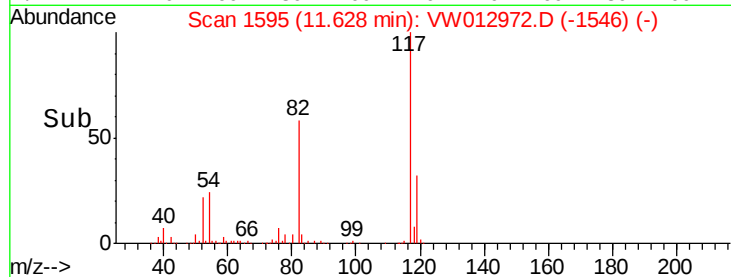
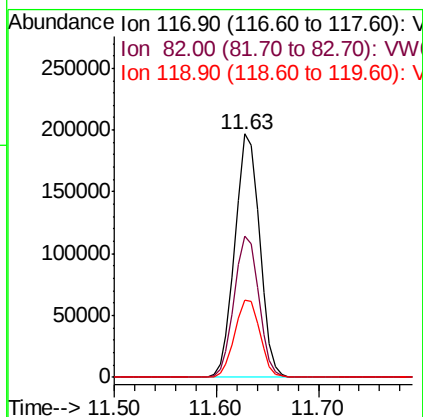
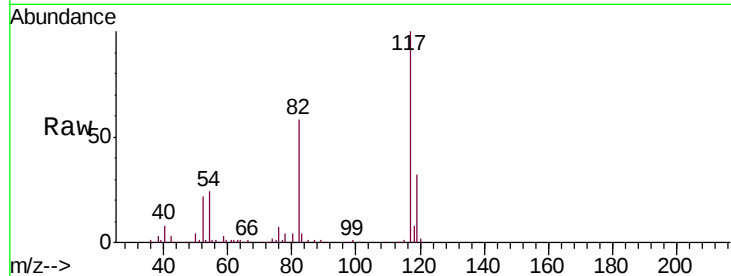




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW012972.D
Acq: 13 Sep 2019 23:59

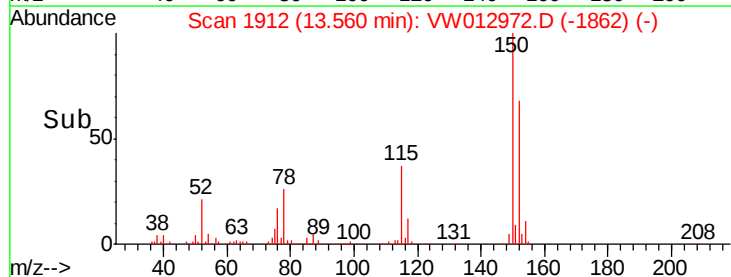
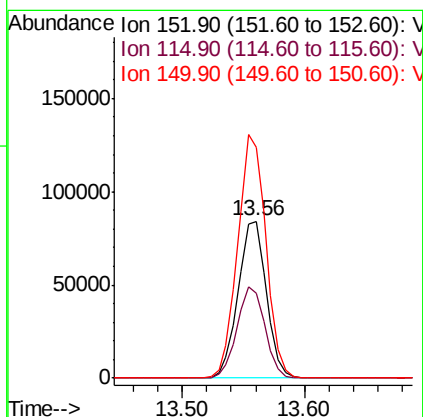
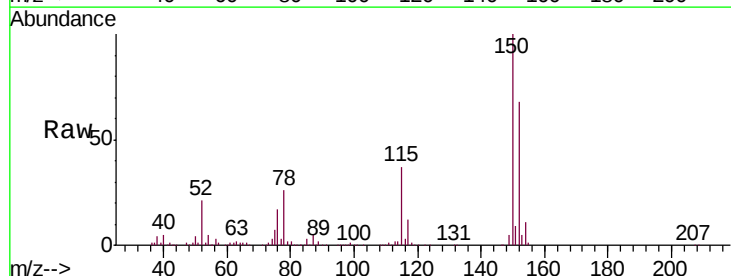
Instrument :
MSVOA_W
ClientSampleId :
T4-2(0)-HELLGATE

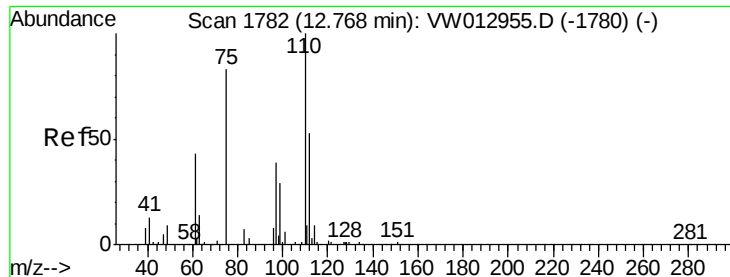
Tgt Ion	Ratio	Lower	Upper
117	100		
82	58.1	46.3	69.5
119	31.8	26.2	39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.01 min
Lab File: VW012972.D
Acq: 13 Sep 2019 23:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.2	28.8	86.4
150	155.1	0.0	340.2





#76

1,2,3-Trichloropropane

Concen: 62.887 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012972.D

Acq: 13 Sep 2019 23:59

Instrument :

MSVOA_W

ClientSampleId :

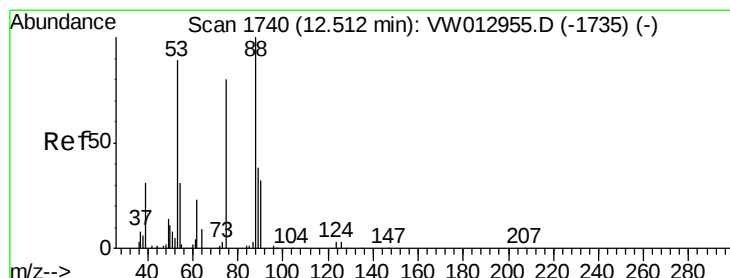
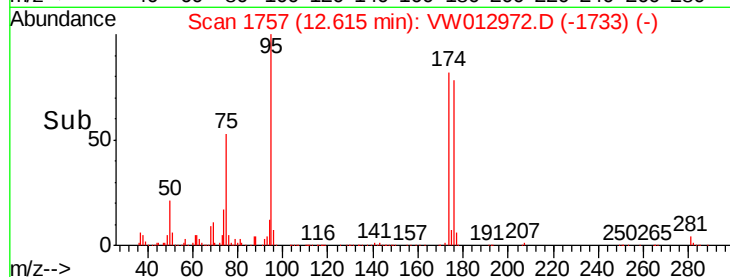
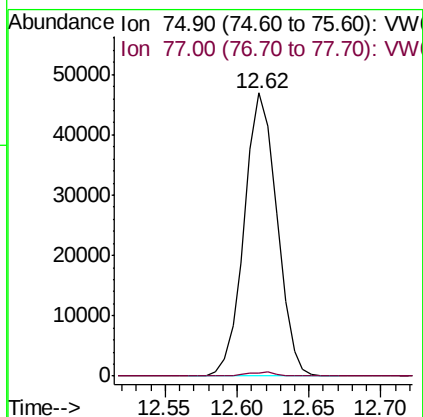
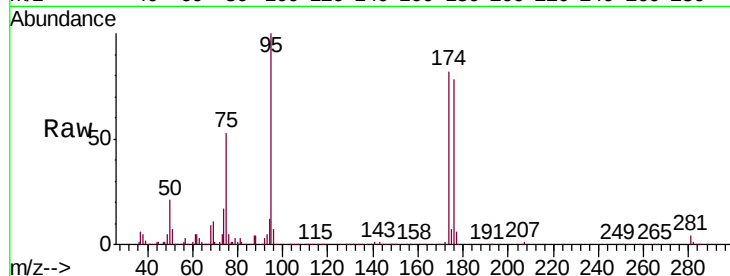
T4-2(0)-HELLGATE

Tgt Ion: 75 Resp: 73907

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 142.658 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012972.D

Acq: 13 Sep 2019 23:59

Tgt Ion: 75 Resp: 73907

Ion Ratio Lower Upper

75 100

53 0.2 85.6 128.4#

89 0.1 37.2 55.8#

