

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111224\
 Data File : VU061606.D
 Acq On : 12 Nov 2024 16:35
 Operator : MD/SY
 Sample : P4635-01DL 2.5X
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 13 05:08:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U111224DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Nov 13 05:00:10 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

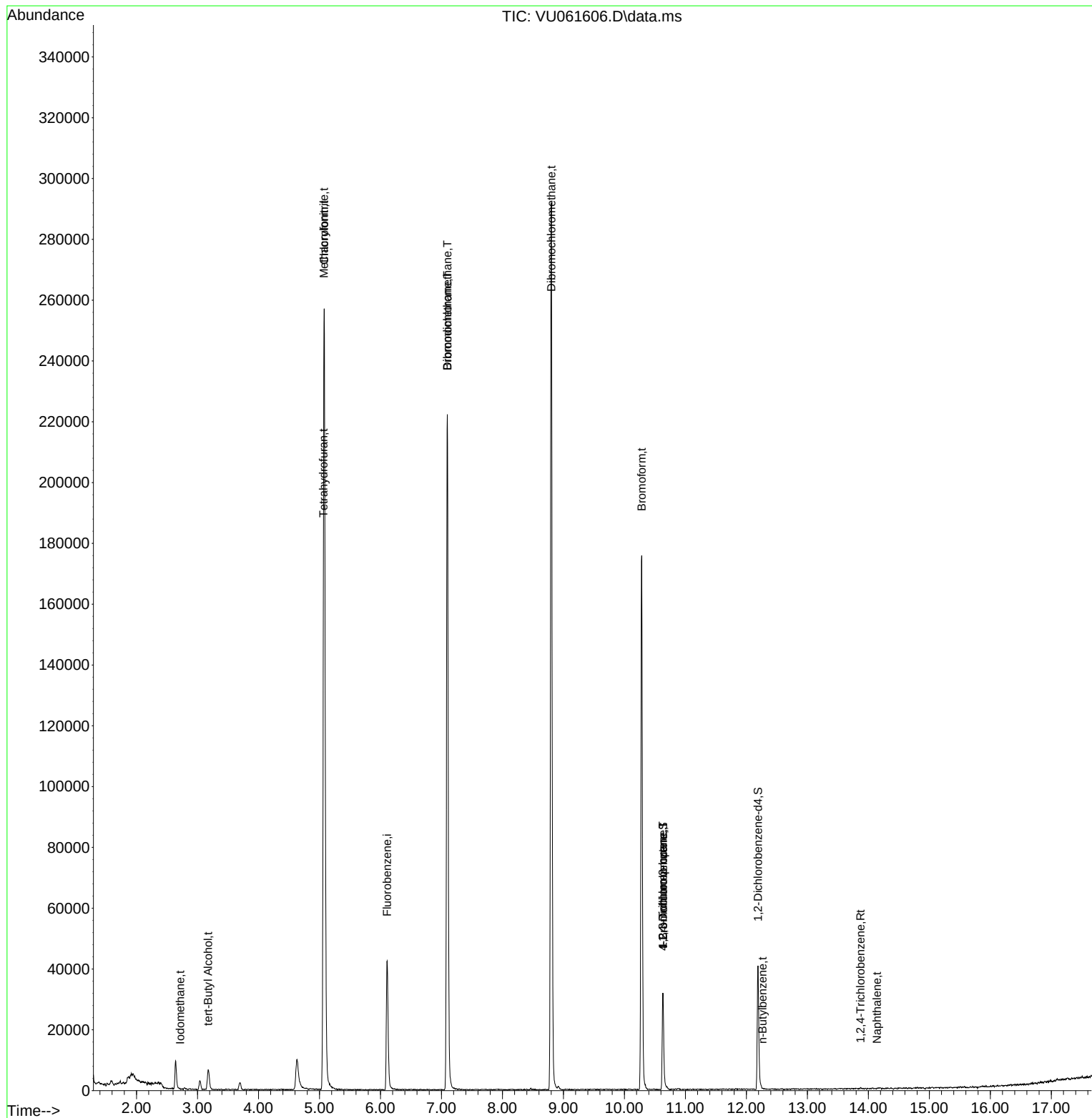
Internal Standards						
1) Fluorobenzene	6.110	96	43003	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.634	95	12644	0.847	ug/l	0.00
Spiked Amount 1.000			Recovery	=	85.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	12954	0.872	ug/l	0.00
Spiked Amount 1.000			Recovery	=	87.000%	
Target Compounds						
					Qvalue	
10) Iodomethane	2.714	142	66	0.740	ug/l #	32
24) tert-Butyl Alcohol	3.174	59	4285	5.905	ug/l #	73
27) Chloroform	5.078	83	233566	11.135	ug/l	99
39) Methacrylonitrile	5.074	41	543	0.213	ug/l #	15
41) Tetrahydrofuran	5.065	42	355	0.246	ug/l #	1
43) Dibromomethane	7.097	93	4601	0.746	ug/l #	5
44) Bromodichloromethane	7.097	83	149362	10.717	ug/l	99
46) t-1,4-Dichloro-2-butene	10.630	75	6632	2.111	ug/l #	31
55) Dibromochloromethane	8.801	129	153466	16.759	ug/l	100
67) Bromoform	10.283	173	80518	16.949	ug/l	99
71) 1,2,3-Trichloropropane	10.630	75	6632	0.791	ug/l #	50
84) n-Butylbenzene	12.264	91	20	0.263	ug/l #	34
87) 1,2,4-Trichlorobenzene	13.871	180	66	0.446	ug/l #	26
89) Naphthalene	14.142	128	45	0.591	ug/l #	69

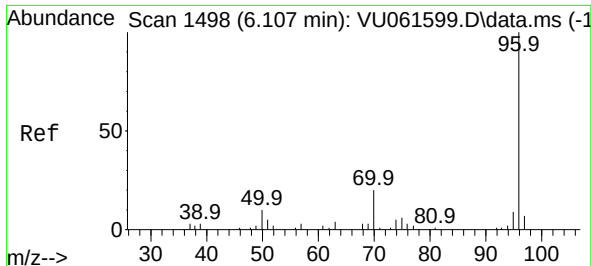
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111224\
Data File : VU061606.D
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Misc : 25mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
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ClientSampleId :

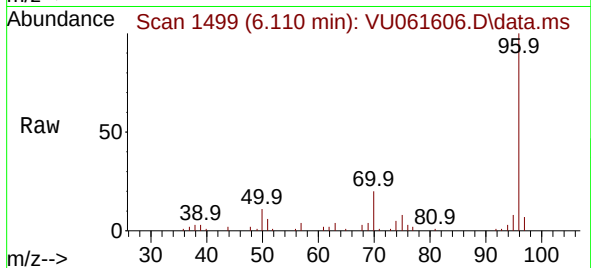
Quant Time: Nov 13 05:08:27 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U111224DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Nov 13 05:00:10 2024
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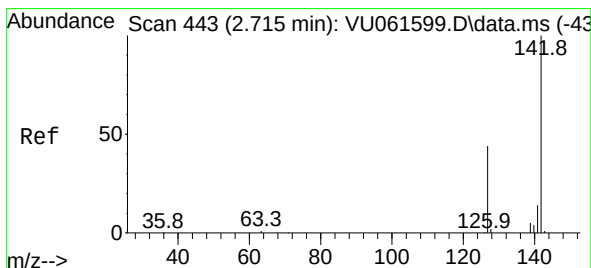
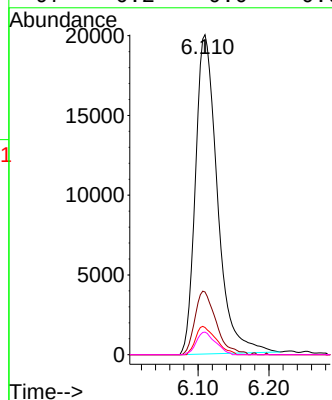
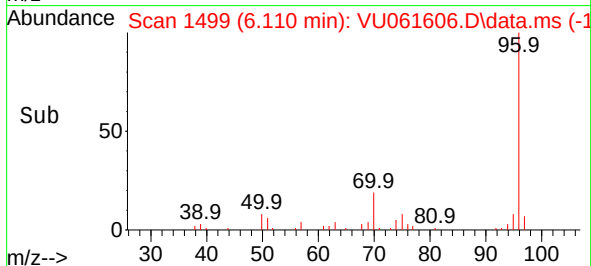


#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.110 min Scan# 1499
Delta R.T. 0.003 min
Lab File: VU061606.D
Acq: 12 Nov 2024 16:35

Instrument :
MSVOA_U
ClientSampleId :

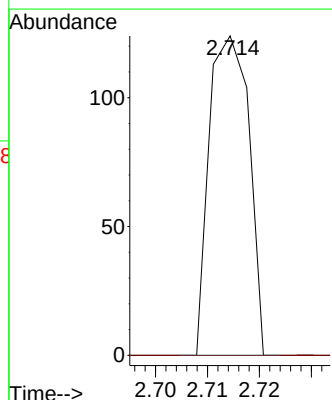
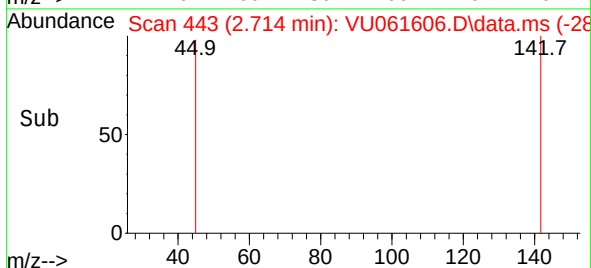
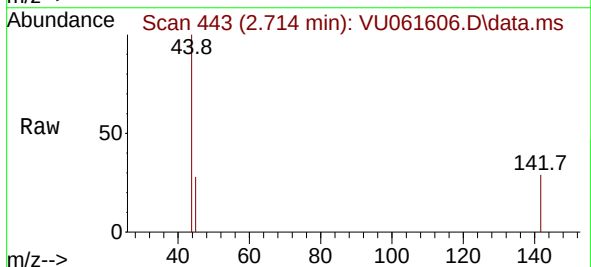


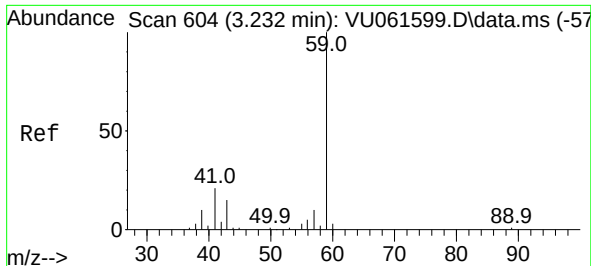
Tgt Ion: 96	Resp: 43003
Ion Ratio	Lower Upper
96	100
70	19.2 15.8 23.6
95	8.2 7.3 10.9
97	6.2 0.0 0.0#



#10
Iodomethane
Concen: 0.740 ug/l
RT: 2.714 min Scan# 443
Delta R.T. -0.000 min
Lab File: VU061606.D
Acq: 12 Nov 2024 16:35

Tgt Ion: 142	Resp: 66
Ion Ratio	Lower Upper
142	100
127	0.0 34.8 52.2#

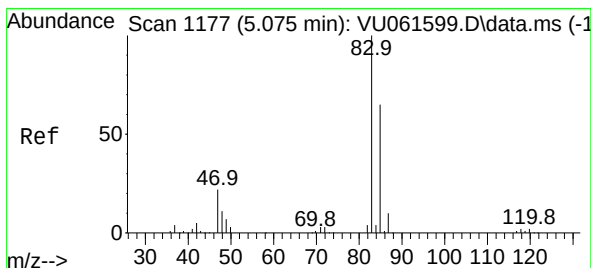
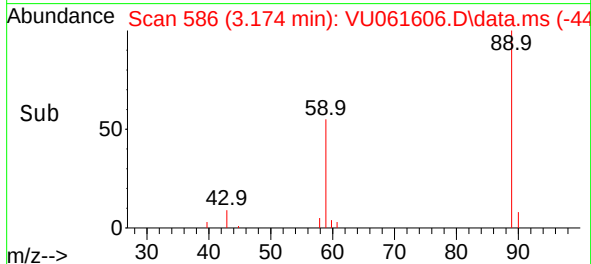
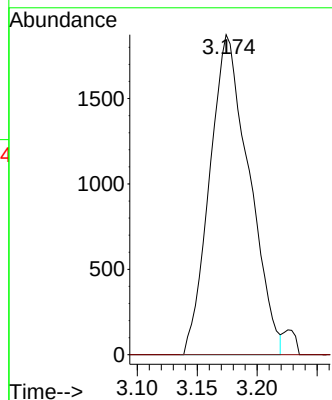
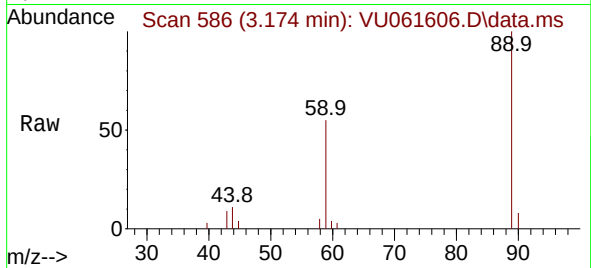




#24
tert-Butyl Alcohol
Concen: 5.905 ug/l
RT: 3.174 min Scan# 51
Delta R.T. -0.058 min
Lab File: VU061606.D
Acq: 12 Nov 2024 16:35

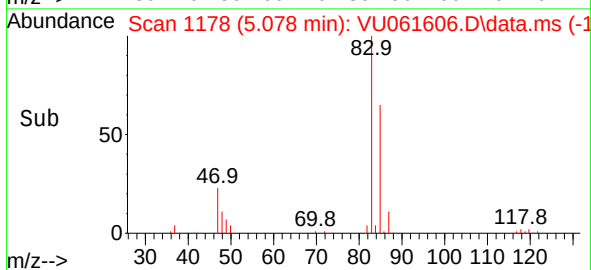
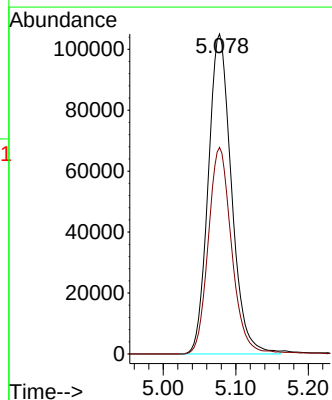
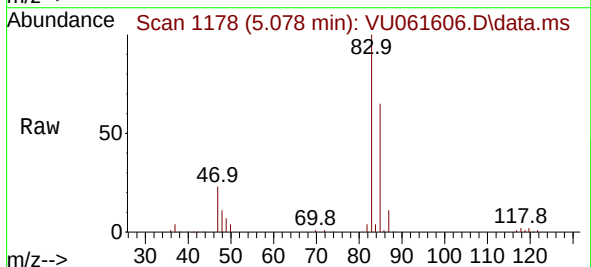
Instrument :
MSVOA_U
ClientSampleId :

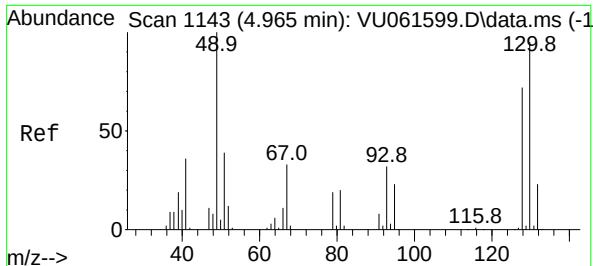
Tgt Ion: 59 Resp: 4285
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#



#27
Chloroform
Concen: 11.135 ug/l
RT: 5.078 min Scan# 1178
Delta R.T. 0.003 min
Lab File: VU061606.D
Acq: 12 Nov 2024 16:35

Tgt Ion: 83 Resp: 233566
Ion Ratio Lower Upper
83 100
85 64.6 0.0 130.6





#39

Methacrylonitrile

Concen: 0.213 ug/l

RT: 5.074 min Scan# 1177

Delta R.T. 0.109 min

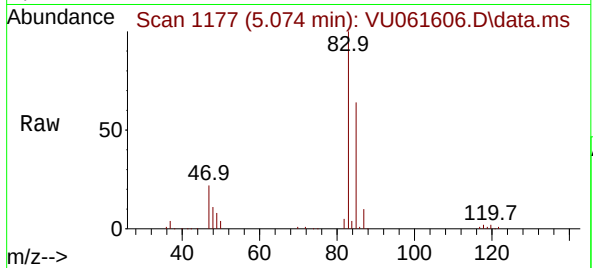
Lab File: VU061606.D

Acq: 12 Nov 2024 16:35

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 41 Resp: 543

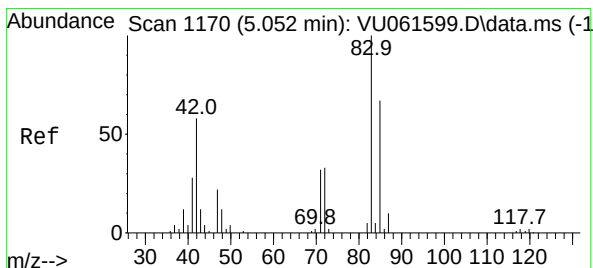
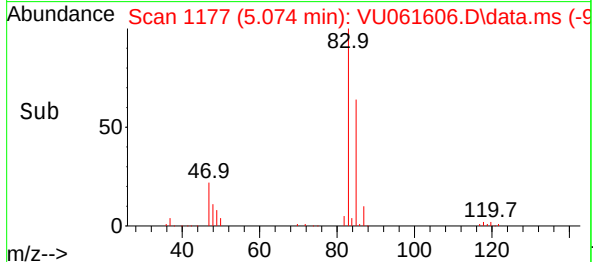
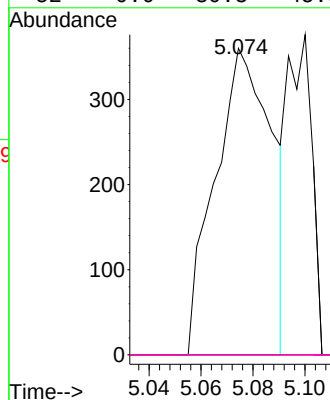
Ion Ratio Lower Upper

41 100

67 0.0 77.6 116.4#

39 0.0 43.9 65.9#

52 0.0 30.3 45.5#



#41

Tetrahydrofuran

Concen: 0.246 ug/l

RT: 5.065 min Scan# 1174

Delta R.T. 0.013 min

Lab File: VU061606.D

Acq: 12 Nov 2024 16:35

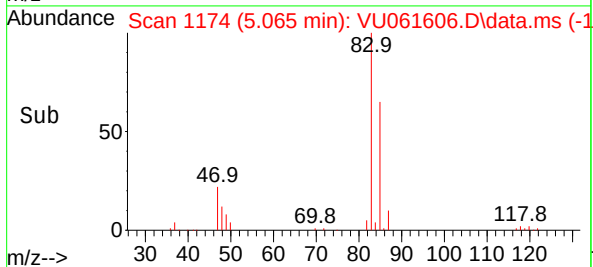
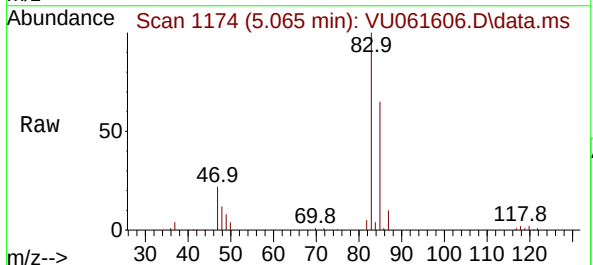
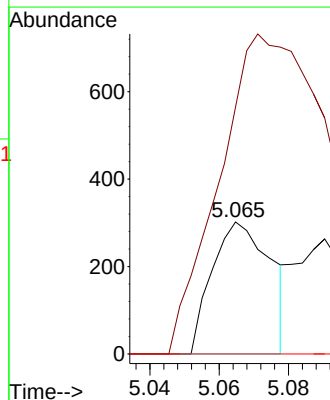
Tgt Ion: 42 Resp: 355

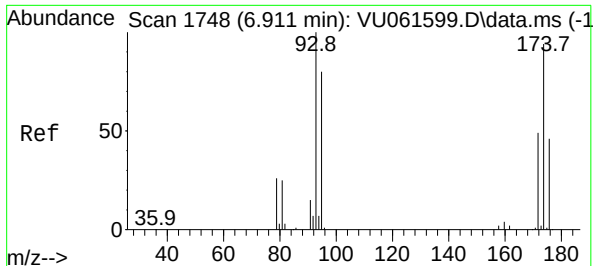
Ion Ratio Lower Upper

42 100

72 473.2 49.1 73.7#

71 0.0 40.2 60.4#





#43

Dibromomethane

Concen: 0.746 ug/l

RT: 7.097 min Scan# 1806

Delta R.T. 0.186 min

Lab File: VU061606.D

Acq: 12 Nov 2024 16:35

Instrument :

MSVOA_U

ClientSampleId :

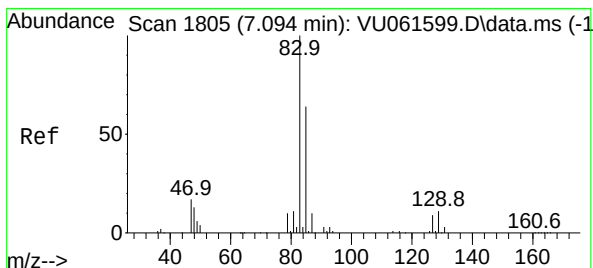
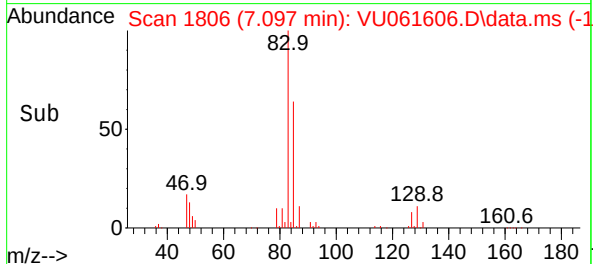
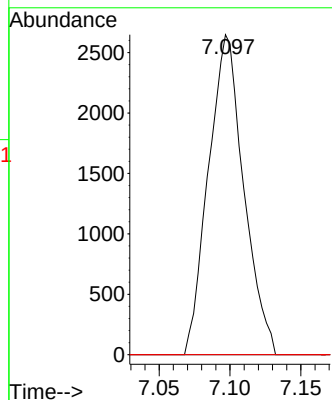
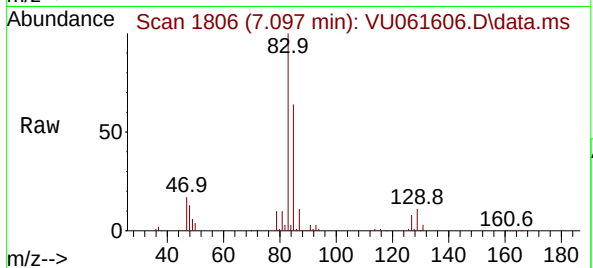
Tgt Ion: 93 Resp: 4601

Ion Ratio Lower Upper

93 100

95 0.0 65.2 97.8#

174 0.0 75.3 112.9#



#44

Bromodichloromethane

Concen: 10.717 ug/l

RT: 7.097 min Scan# 1806

Delta R.T. 0.003 min

Lab File: VU061606.D

Acq: 12 Nov 2024 16:35

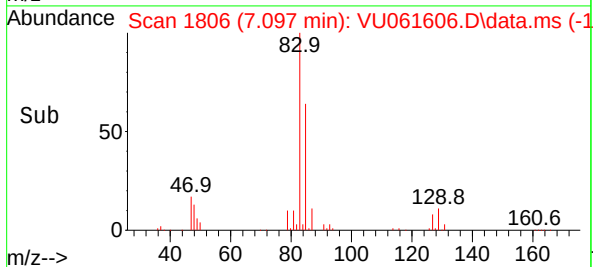
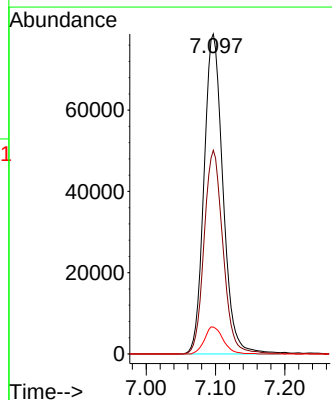
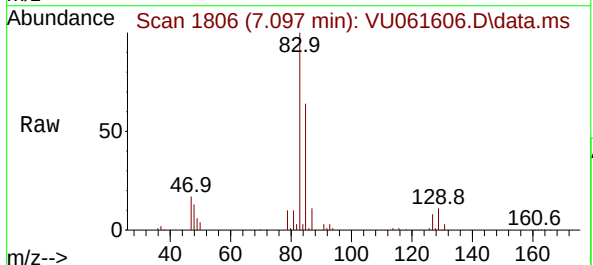
Tgt Ion: 83 Resp: 149362

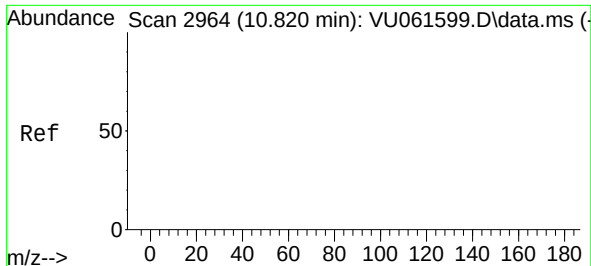
Ion Ratio Lower Upper

83 100

85 63.6 51.4 77.0

127 9.4 7.2 10.8





#46

t-1,4-Dichloro-2-butene

Concen: 2.111 ug/l

RT: 10.630 min Scan# 2964

Delta R.T. -0.190 min

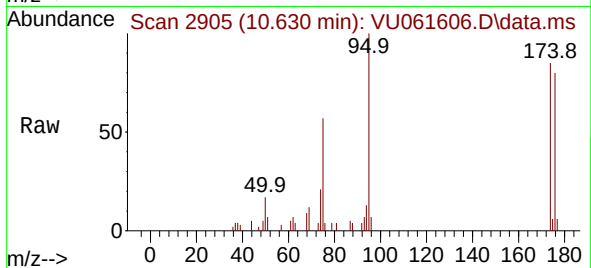
Lab File: VU061606.D

Acq: 12 Nov 2024 16:35

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 75 Resp: 6632

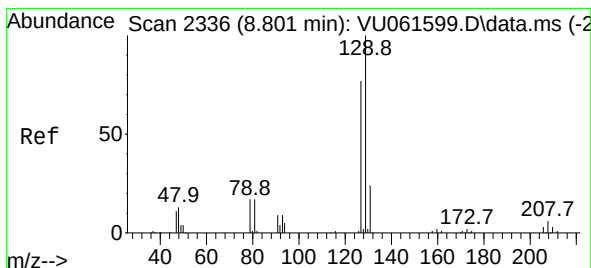
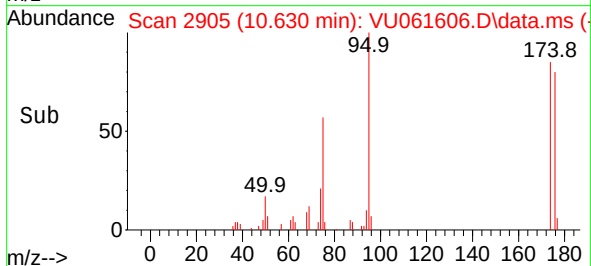
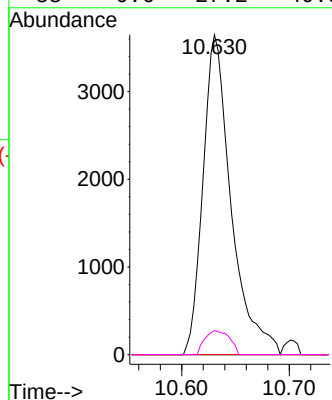
Ion Ratio Lower Upper

75 100

53 0.0 50.7 76.1#

89 0.0 35.2 52.8#

88 6.6 27.2 40.8#



#55

Dibromochloromethane

Concen: 16.759 ug/l

RT: 8.801 min Scan# 2336

Delta R.T. -0.000 min

Lab File: VU061606.D

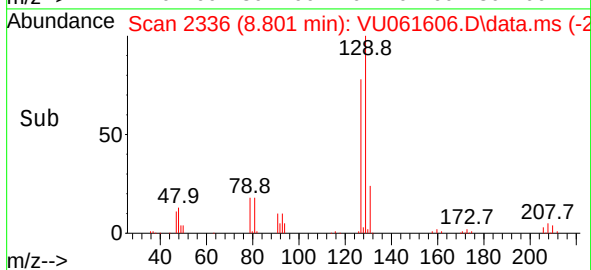
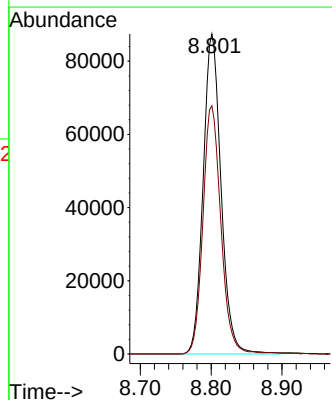
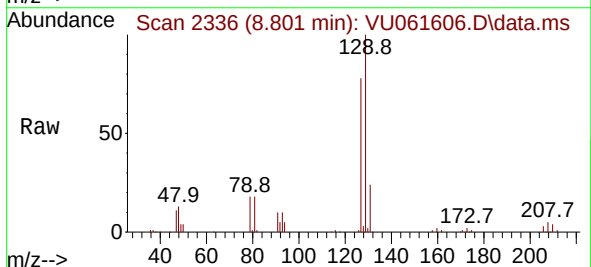
Acq: 12 Nov 2024 16:35

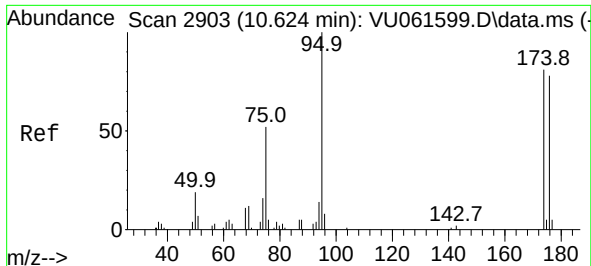
Tgt Ion:129 Resp: 153466

Ion Ratio Lower Upper

129 100

127 77.6 61.8 92.8





#57

4-Bromofluorobenzene

Concen: 0.847 ug/l

RT: 10.634 min Scan# 2906

Delta R.T. 0.009 min

Lab File: VU061606.D

Acq: 12 Nov 2024 16:35

Instrument :

MSVOA_U

ClientSampleId :

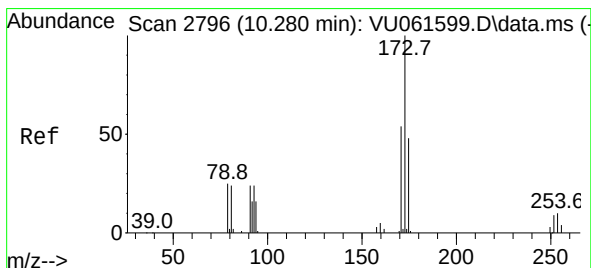
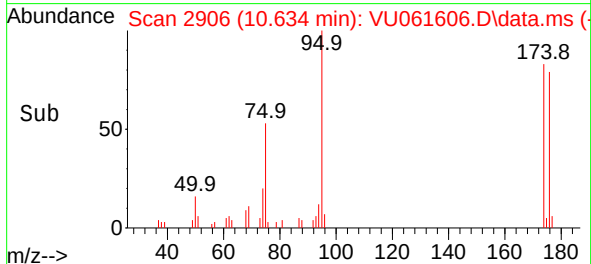
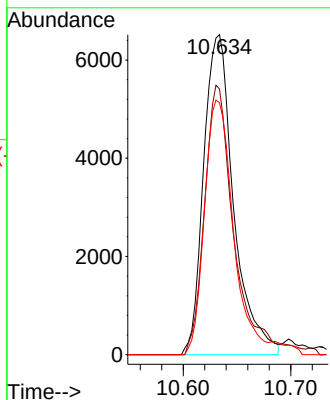
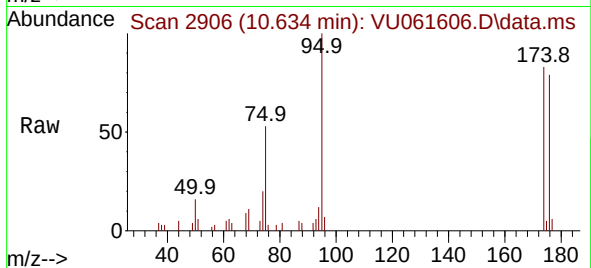
Tgt Ion: 95 Resp: 12644

Ion Ratio Lower Upper

95 100

174 82.9 67.5 101.3

176 76.0 62.7 94.1



#67

Bromoform

Concen: 16.949 ug/l

RT: 10.283 min Scan# 2797

Delta R.T. 0.003 min

Lab File: VU061606.D

Acq: 12 Nov 2024 16:35

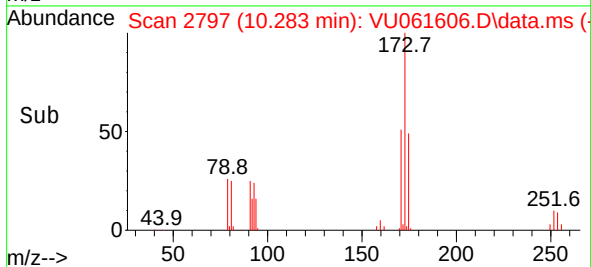
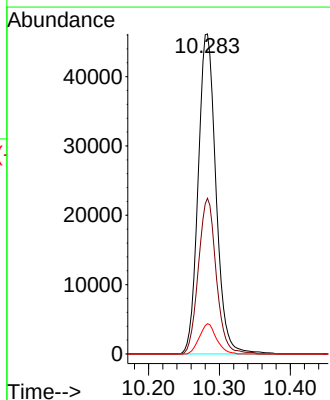
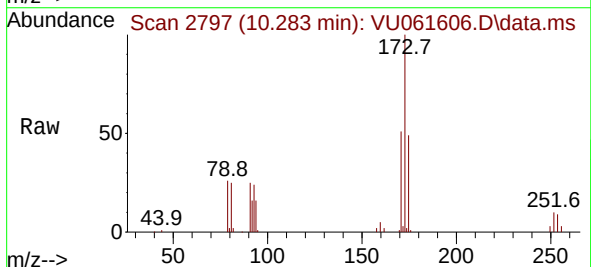
Tgt Ion:173 Resp: 80518

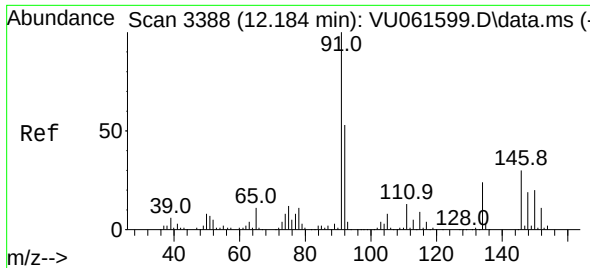
Ion Ratio Lower Upper

173 100

175 48.6 38.4 57.6

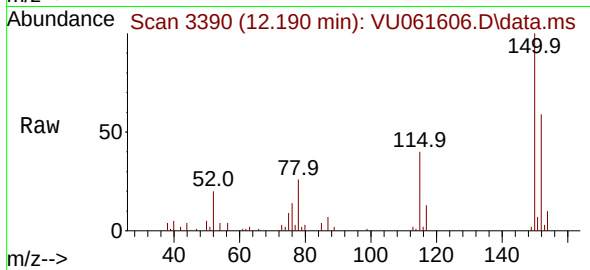
254 9.0 7.7 11.5



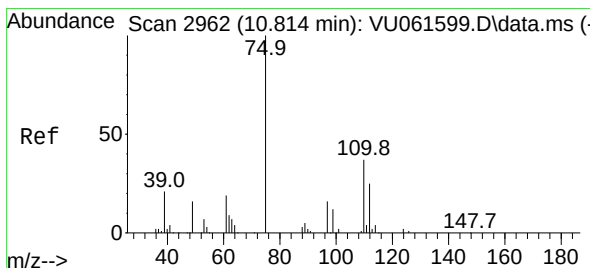
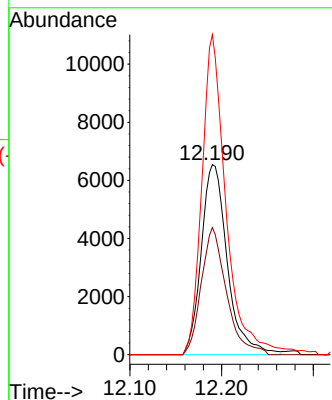
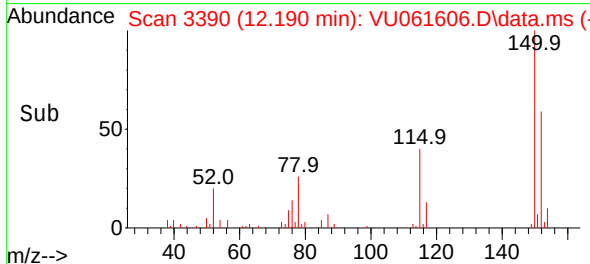


#68
1,2-Dichlorobenzene-d4
Concen: 0.872 ug/l
RT: 12.190 min Scan# 3388
Delta R.T. 0.006 min
Lab File: VU061606.D
Acq: 12 Nov 2024 16:35

Instrument :
MSVOA_U
ClientSampleId :

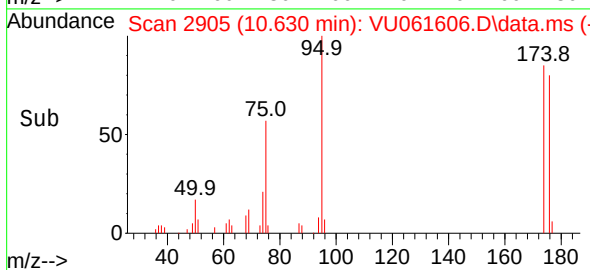
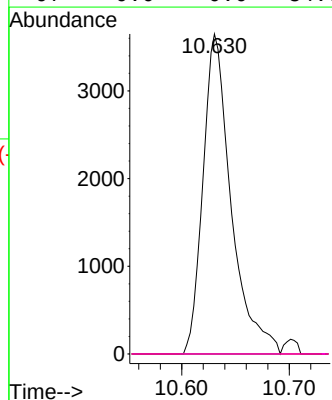
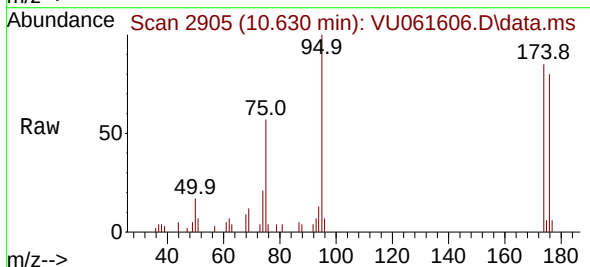


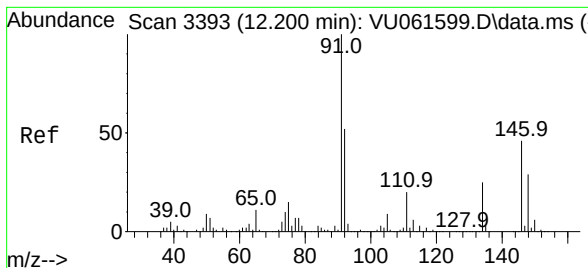
Tgt Ion:152 Resp: 12954
Ion Ratio Lower Upper
152 100
115 64.3 0.0 259.0
150 156.6 0.0 650.2



#71
1,2,3-Trichloropropane
Concen: 0.791 ug/l
RT: 10.630 min Scan# 2905
Delta R.T. -0.184 min
Lab File: VU061606.D
Acq: 12 Nov 2024 16:35

Tgt Ion: 75 Resp: 6632
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0
110 0.0 0.0 61.6
97 0.0 0.0 34.6





#84

n-Butylbenzene

Concen: 0.263 ug/l

RT: 12.264 min Scan# 3413

Delta R.T. 0.064 min

Lab File: VU061606.D

Acq: 12 Nov 2024 16:35

Instrument :

MSVOA_U

ClientSampleId :

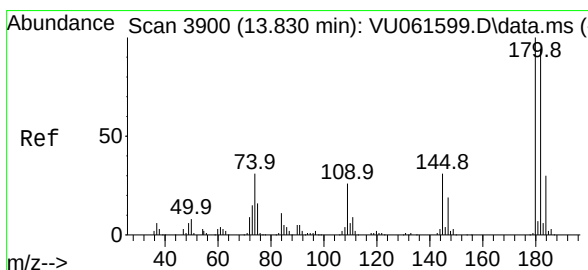
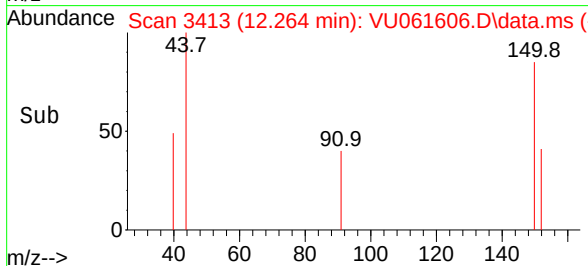
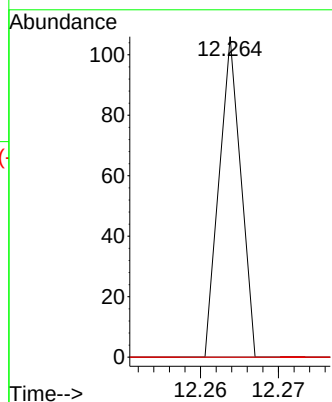
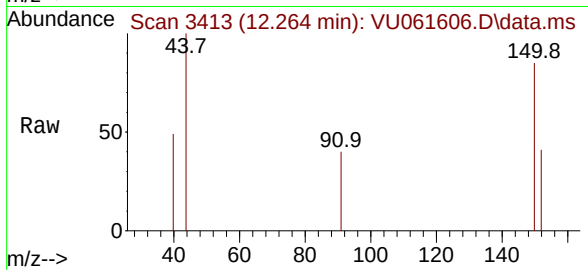
Tgt Ion: 91 Resp: 20

Ion Ratio Lower Upper

91 100

92 0.0 41.8 62.6#

134 0.0 20.2 30.4#



#87

1,2,4-Trichlorobenzene

Concen: 0.446 ug/l

RT: 13.871 min Scan# 3913

Delta R.T. 0.042 min

Lab File: VU061606.D

Acq: 12 Nov 2024 16:35

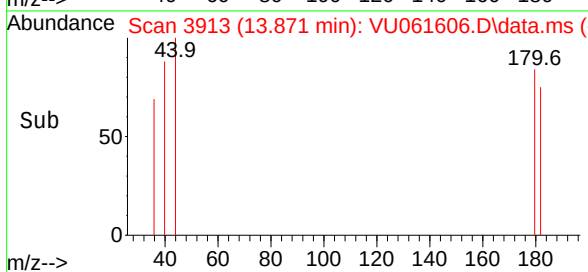
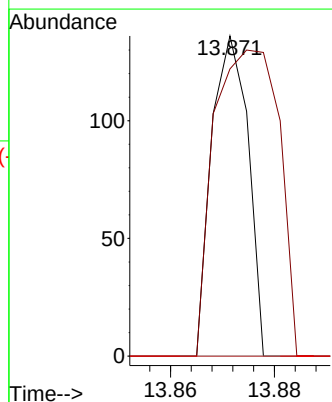
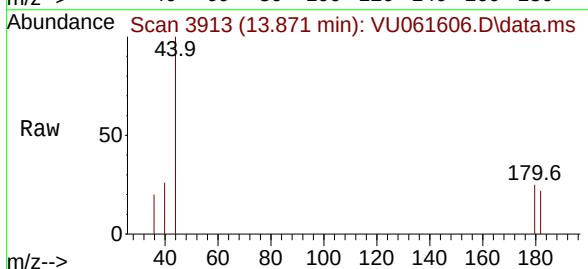
Tgt Ion:180 Resp: 66

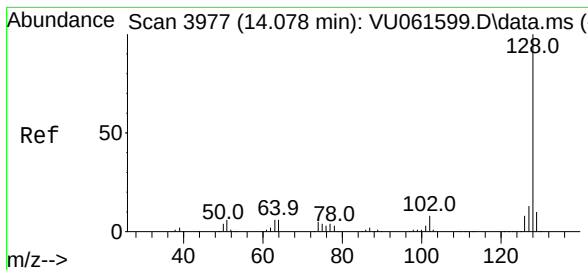
Ion Ratio Lower Upper

180 100

182 171.2 75.3 112.9#

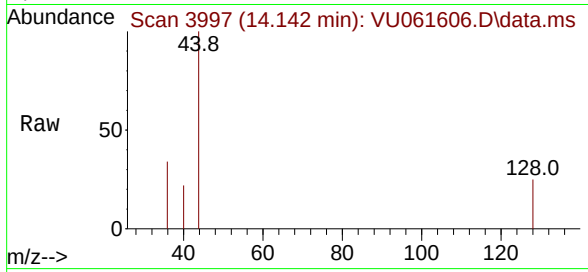
145 0.0 24.3 36.5#





#89
Naphthalene
Concen: 0.591 ug/l
RT: 14.142 min Scan# 3997
Delta R.T. 0.064 min
Lab File: VU061606.D
Acq: 12 Nov 2024 16:35

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:	128	Resp:	45
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.6	12.8#

