

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111224\
 Data File : VU061610.D
 Acq On : 12 Nov 2024 18:38
 Operator : MD/SY
 Sample : P4635-01DL 3X
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 13 05:10:45 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)

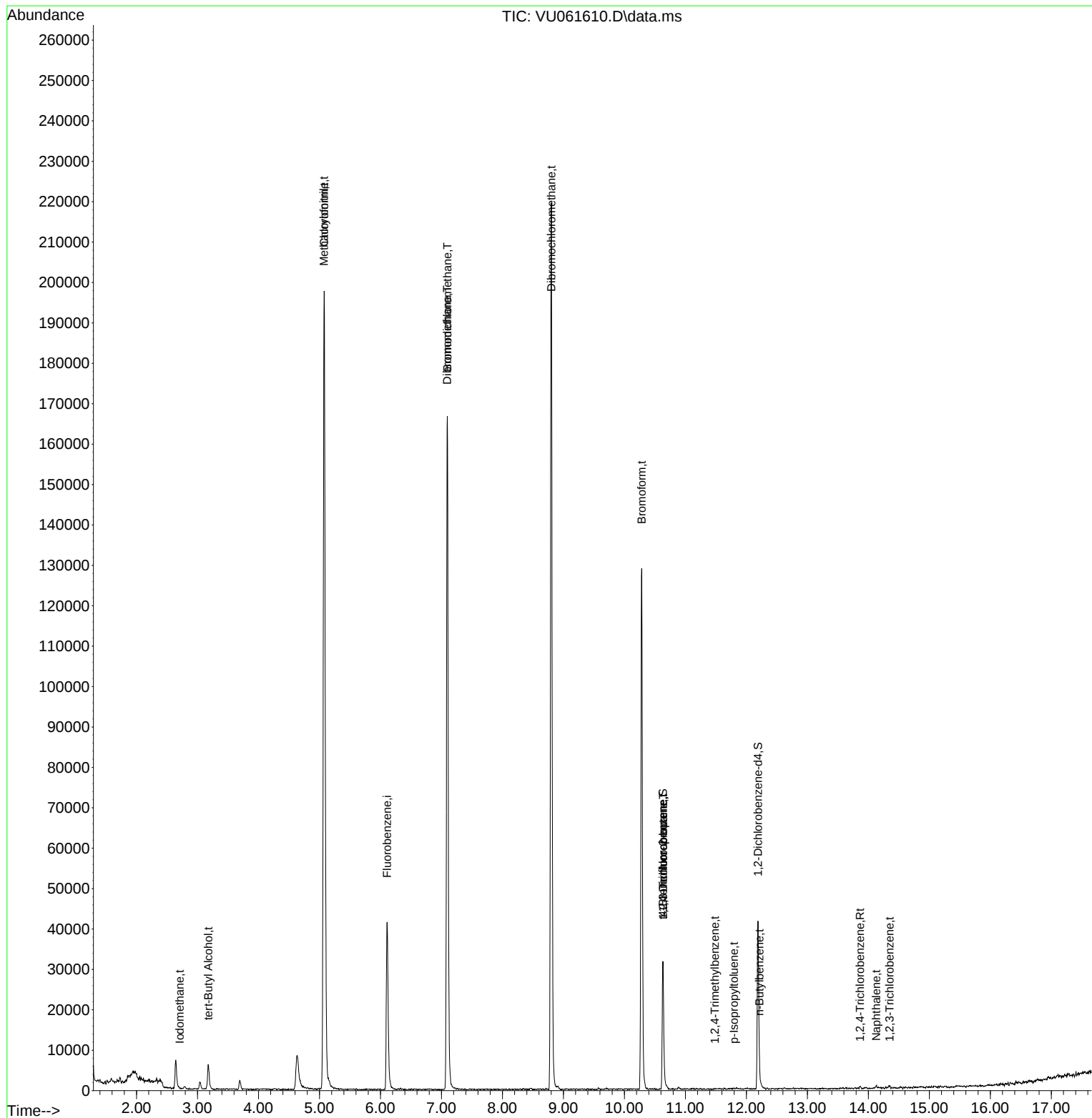
Internal Standards						
1) Fluorobenzene	6.110	96	44458	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	11838	0.767	ug/l	0.00
Spiked Amount 1.000			Recovery	=	77.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	13072	0.851	ug/l	0.00
Spiked Amount 1.000			Recovery	=	85.000%	
Target Compounds						
						Qvalue
10) Iodomethane	2.708	142	19	0.736	ug/l #	32
24) tert-Butyl Alcohol	3.177	59	3621	4.826	ug/l #	73
27) Chloroform	5.078	83	177853	8.201	ug/l	100
39) Methacrylonitrile	5.074	41	578	0.220	ug/l #	15
43) Dibromomethane	7.094	93	3315	0.520	ug/l #	5
44) Bromodichloromethane	7.097	83	111655	7.749	ug/l	100
46) t-1,4-Dichloro-2-butene	10.634	75	5945	1.830	ug/l #	30
55) Dibromochloromethane	8.801	129	116028	12.256	ug/l	100
67) Bromoform	10.283	173	60120	12.241	ug/l	100
71) 1,2,3-Trichloropropane	10.634	75	5945	0.686	ug/l #	50
78) 1,2,4-Trimethylbenzene	11.483	105	193	0.245	ug/l #	31
81) p-Isopropyltoluene	11.798	119	243	0.269	ug/l #	50
84) n-Butylbenzene	12.216	91	326	0.269	ug/l #	53
87) 1,2,4-Trichlorobenzene	13.865	180	327	0.462	ug/l #	62
89) Naphthalene	14.129	128	991	0.624	ug/l #	69
90) 1,2,3-Trichlorobenzene	14.347	180	485	0.486	ug/l #	76

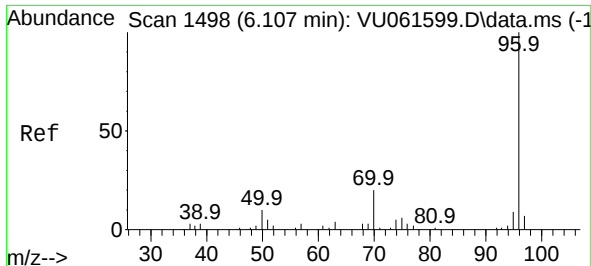
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Nov 13 05:00:10 2024
Response via : Initial Calibration

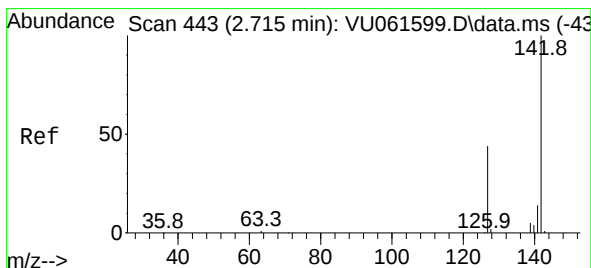
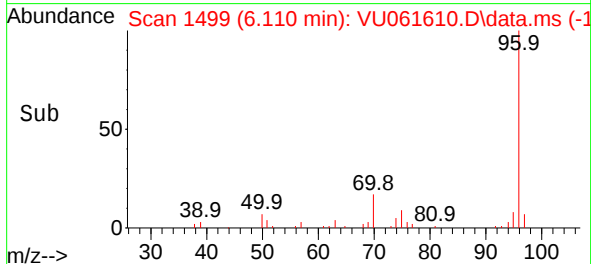
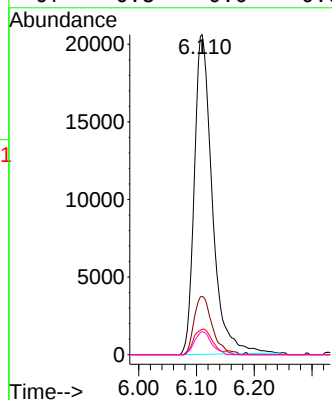
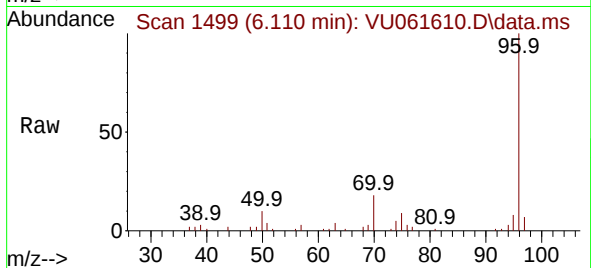




#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.110 min Scan# 1498
Delta R.T. 0.003 min
Lab File: VU061610.D
Acq: 12 Nov 2024 18:38

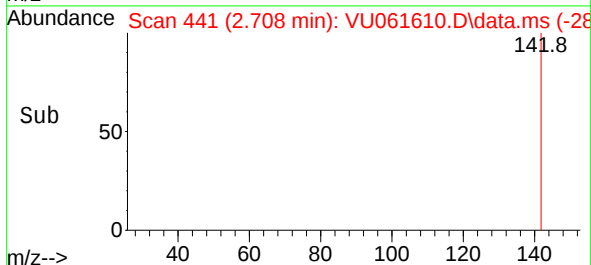
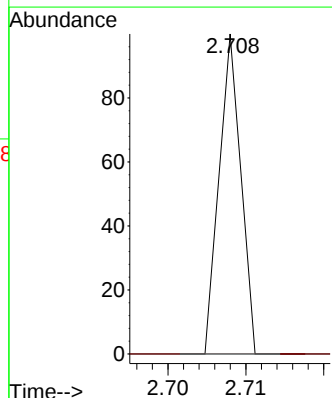
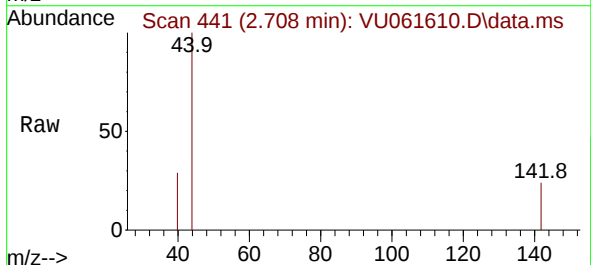
Instrument :
MSVOA_U
ClientSampleId :

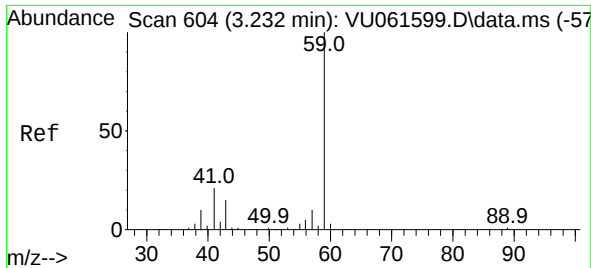
Tgt Ion: 96 Resp: 44458
Ion Ratio Lower Upper
96 100
70 18.5 15.8 23.6
95 8.6 7.3 10.9
97 6.8 0.0 0.0#



#10
Iodomethane
Concen: 0.736 ug/l
RT: 2.708 min Scan# 441
Delta R.T. -0.007 min
Lab File: VU061610.D
Acq: 12 Nov 2024 18:38

Tgt Ion:142 Resp: 19
Ion Ratio Lower Upper
142 100
127 0.0 34.8 52.2#

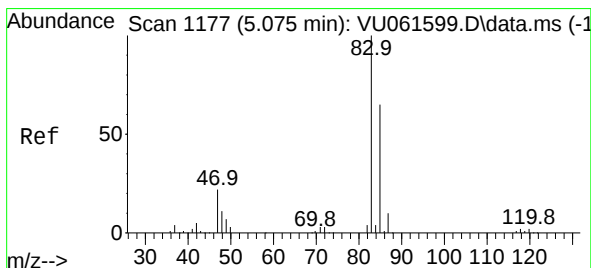
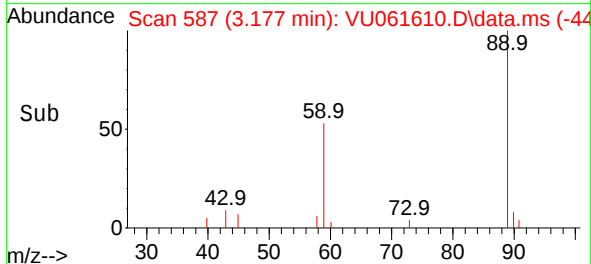
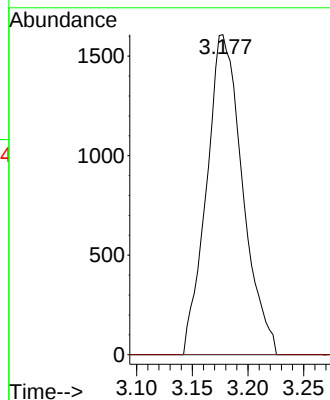
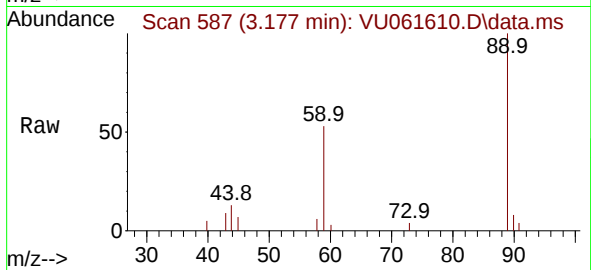




#24
tert-Butyl Alcohol
Concen: 4.826 ug/l
RT: 3.177 min Scan# 51
Delta R.T. -0.055 min
Lab File: VU061610.D
Acq: 12 Nov 2024 18:38

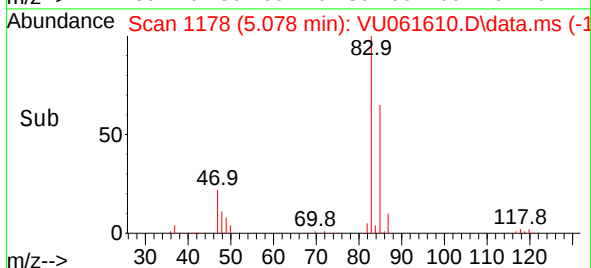
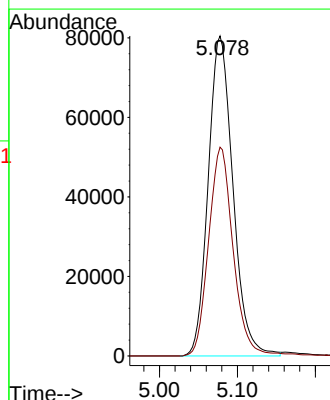
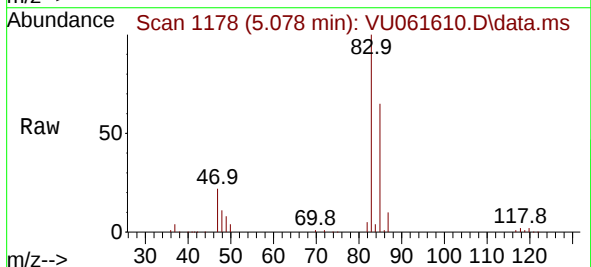
Instrument :
MSVOA_U
ClientSampleId :

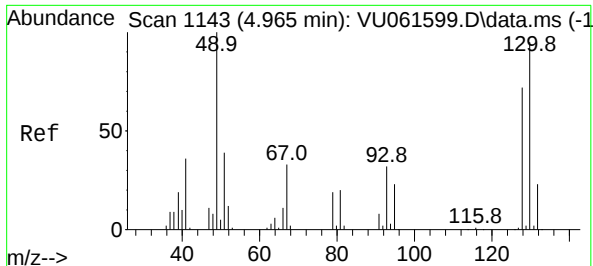
Tgt Ion: 59 Resp: 3621
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#



#27
Chloroform
Concen: 8.201 ug/l
RT: 5.078 min Scan# 1178
Delta R.T. 0.003 min
Lab File: VU061610.D
Acq: 12 Nov 2024 18:38

Tgt Ion: 83 Resp: 177853
Ion Ratio Lower Upper
83 100
85 65.3 0.0 130.6





#39

Methacrylonitrile

Concen: 0.220 ug/l

RT: 5.074 min Scan# 1143

Delta R.T. 0.109 min

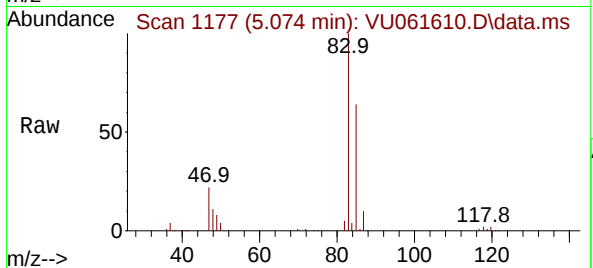
Lab File: VU061610.D

Acq: 12 Nov 2024 18:38

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 41 Resp: 578

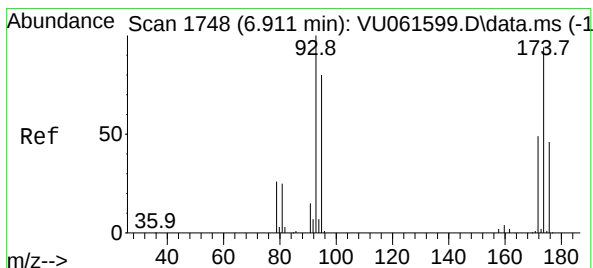
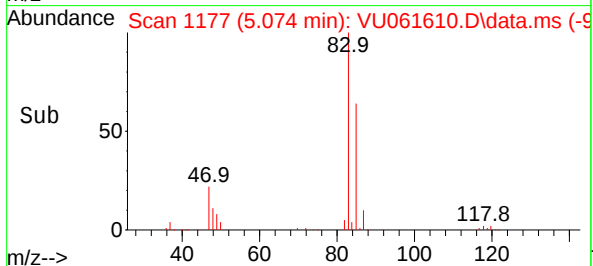
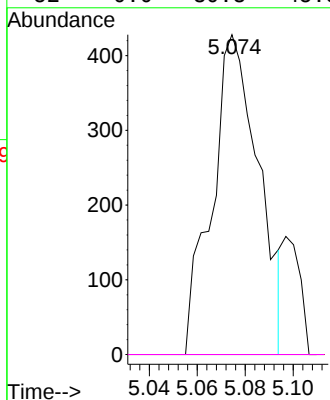
Ion Ratio Lower Upper

41 100

67 0.0 77.6 116.4#

39 0.0 43.9 65.9#

52 0.0 30.3 45.5#



#43

Dibromomethane

Concen: 0.520 ug/l

RT: 7.094 min Scan# 1805

Delta R.T. 0.183 min

Lab File: VU061610.D

Acq: 12 Nov 2024 18:38

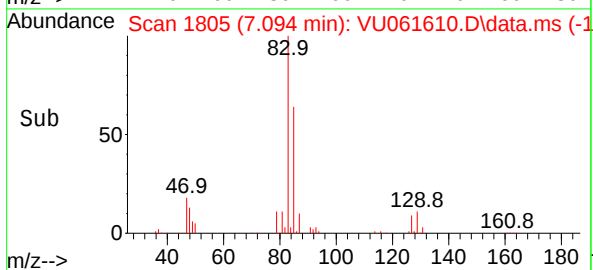
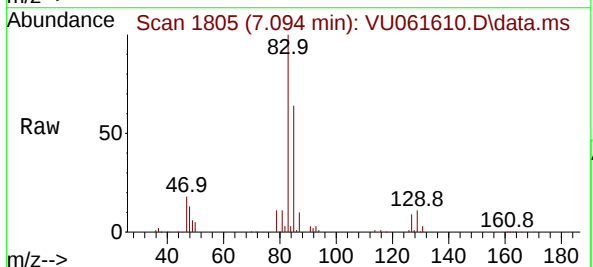
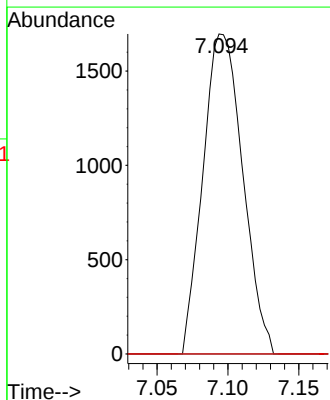
Tgt Ion: 93 Resp: 3315

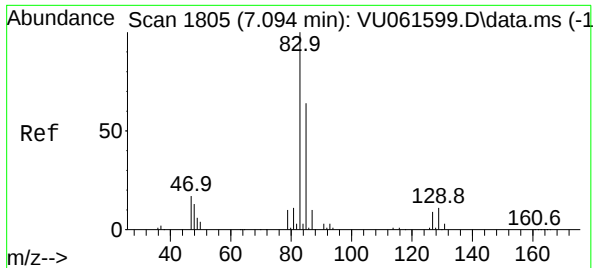
Ion Ratio Lower Upper

93 100

95 0.0 65.2 97.8#

174 0.0 75.3 112.9#

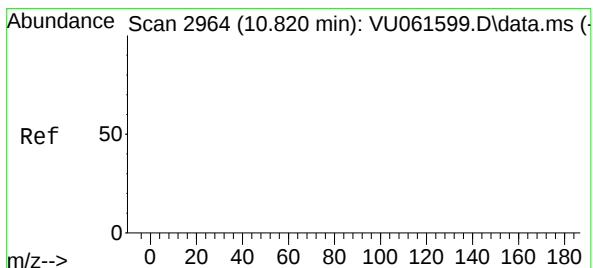
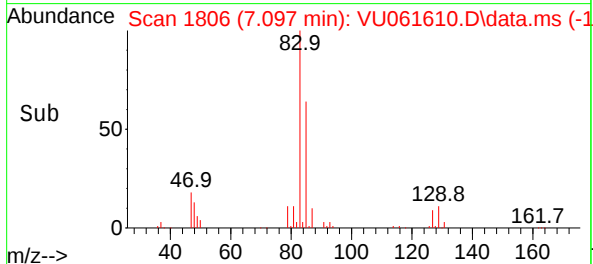
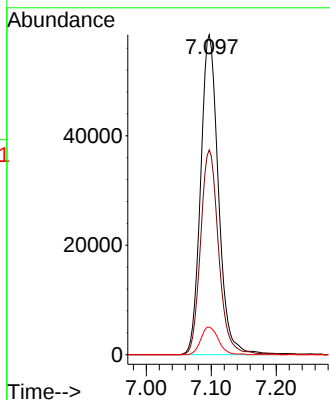
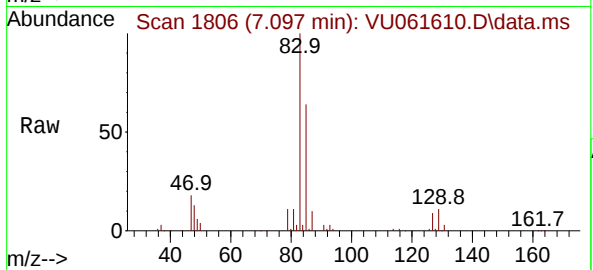




#44
 Bromodichloromethane
 Concen: 7.749 ug/l
 RT: 7.097 min Scan# 11
 Delta R.T. 0.003 min
 Lab File: VU061610.D
 Acq: 12 Nov 2024 18:38

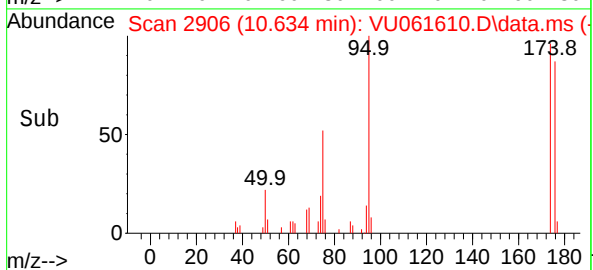
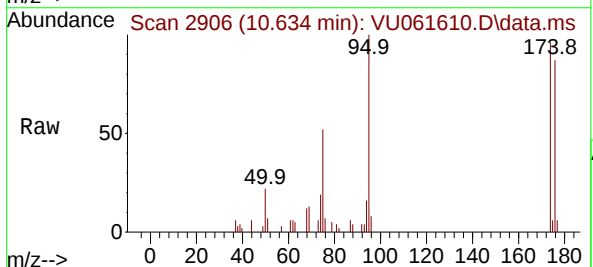
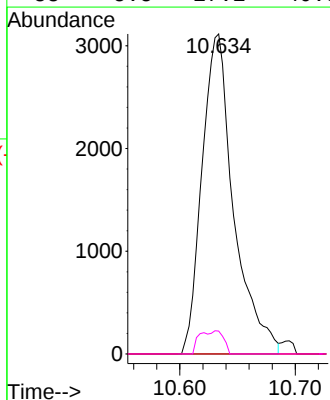
Instrument :
 MSVOA_U
 ClientSampleId :

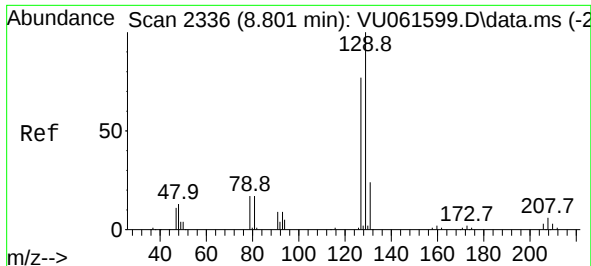
Tgt Ion:	83	Resp:	111655
Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.4	77.0
127	9.4	7.2	10.8



#46
 t-1,4-Dichloro-2-butene
 Concen: 1.830 ug/l
 RT: 10.634 min Scan# 2906
 Delta R.T. -0.187 min
 Lab File: VU061610.D
 Acq: 12 Nov 2024 18:38

Tgt Ion:	75	Resp:	5945
Ion	Ratio	Lower	Upper
75	100		
53	0.0	50.7	76.1#
89	0.0	35.2	52.8#
88	5.5	27.2	40.8#

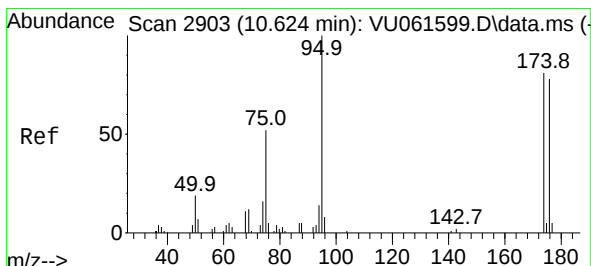
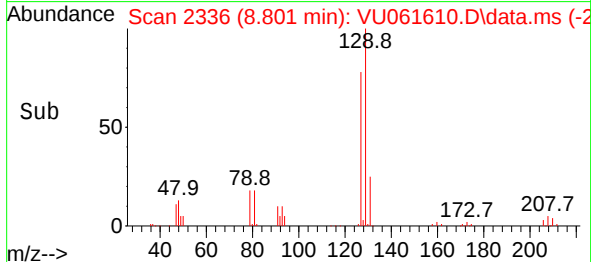
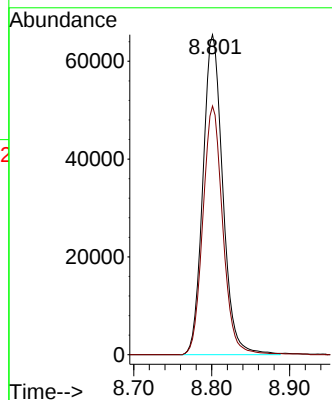
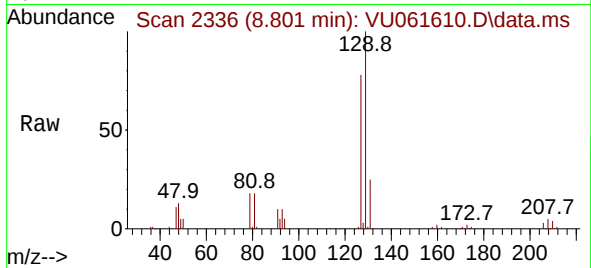




#55
Dibromochloromethane
Concen: 12.256 ug/l
RT: 8.801 min Scan# 24
Delta R.T. -0.000 min
Lab File: VU061610.D
Acq: 12 Nov 2024 18:38

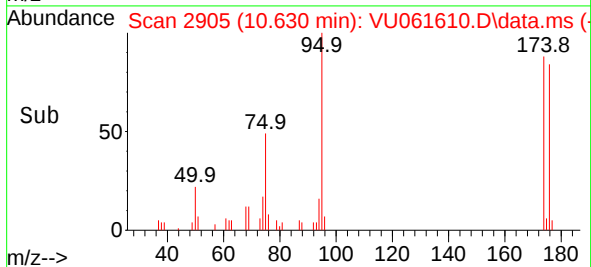
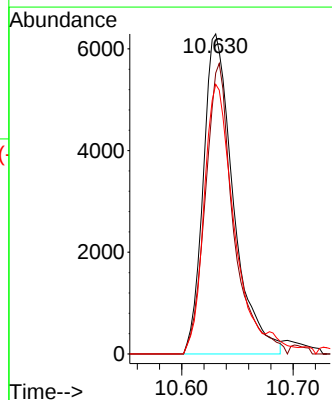
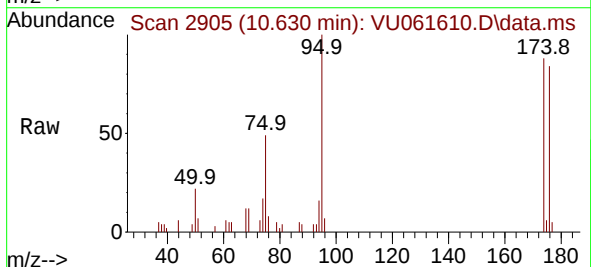
Instrument :
MSVOA_U
ClientSampleId :

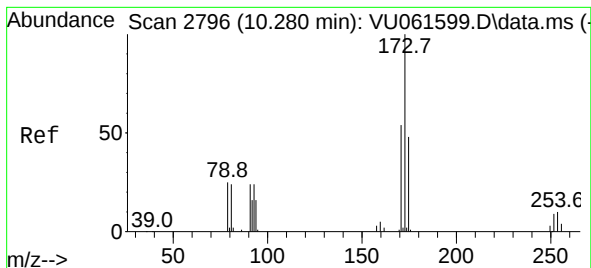
Tgt Ion:129 Resp: 116028
Ion Ratio Lower Upper
129 100
127 77.4 61.8 92.8



#57
4-Bromofluorobenzene
Concen: 0.767 ug/l
RT: 10.630 min Scan# 2905
Delta R.T. 0.006 min
Lab File: VU061610.D
Acq: 12 Nov 2024 18:38

Tgt Ion: 95 Resp: 11838
Ion Ratio Lower Upper
95 100
174 84.9 67.5 101.3
176 82.6 62.7 94.1





#67

Bromoform

Concen: 12.241 ug/l

RT: 10.283 min Scan# 21

Delta R.T. 0.003 min

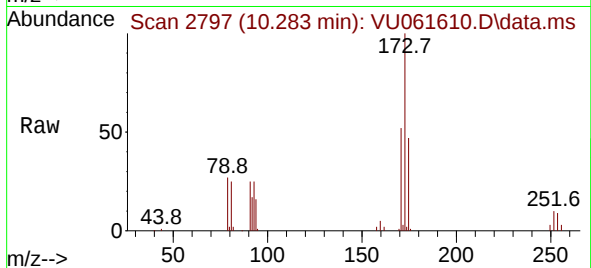
Lab File: VU061610.D

Acq: 12 Nov 2024 18:38

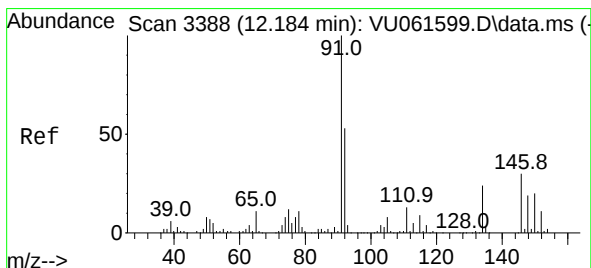
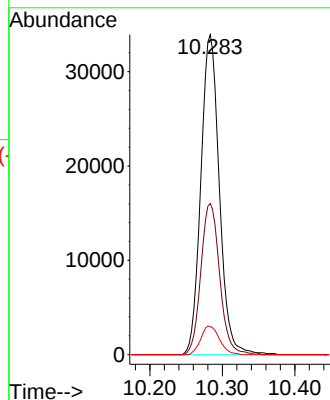
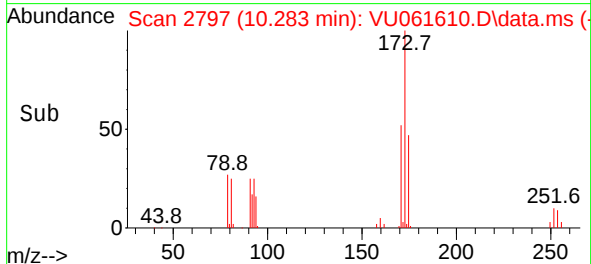
Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:	173	Resp:	60120
Ion Ratio	Lower	Upper	
173	100		
175	47.9	38.4	57.6
254	9.0	7.7	11.5



#68

1,2-Dichlorobenzene-d4

Concen: 0.851 ug/l

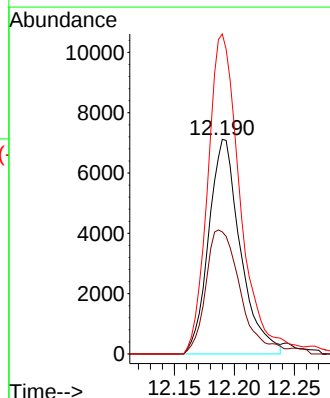
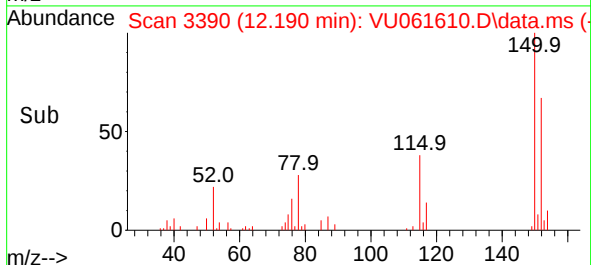
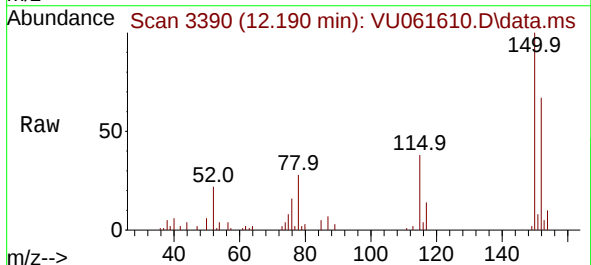
RT: 12.190 min Scan# 3390

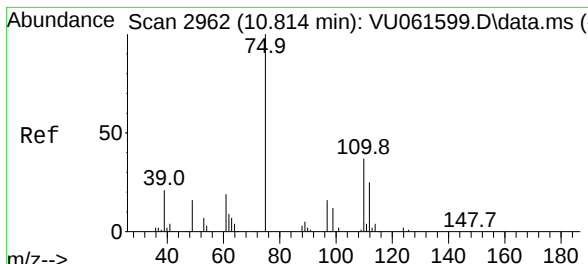
Delta R.T. 0.006 min

Lab File: VU061610.D

Acq: 12 Nov 2024 18:38

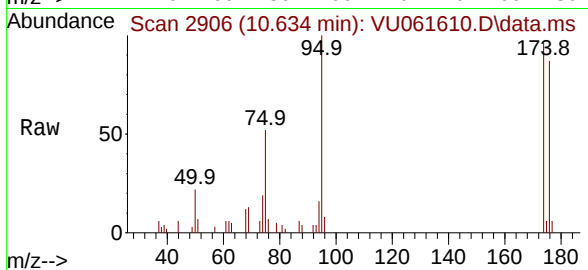
Tgt Ion:	152	Resp:	13072
Ion Ratio	Lower	Upper	
152	100		
115	63.2	0.0	259.0
150	153.2	0.0	650.2



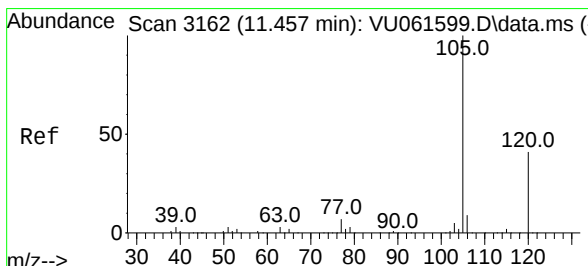
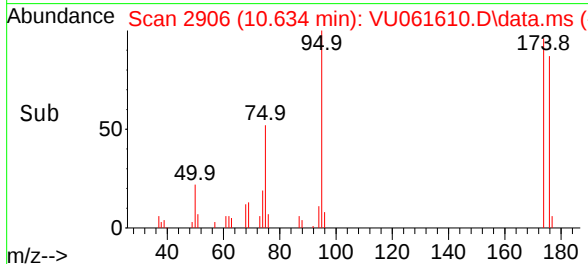
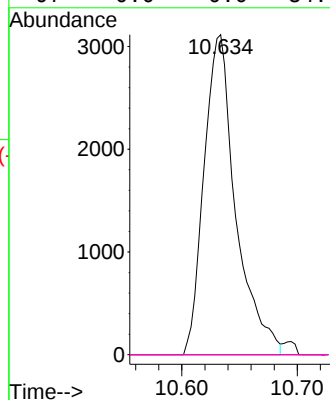


#71
 1,2,3-Trichloropropane
 Concen: 0.686 ug/l
 RT: 10.634 min Scan# 2962
 Delta R.T. -0.180 min
 Lab File: VU061610.D
 Acq: 12 Nov 2024 18:38

Instrument :
 MSVOA_U
 ClientSampleId :

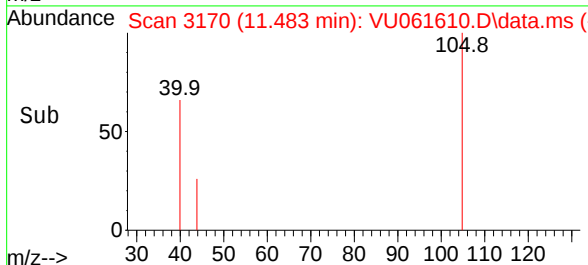
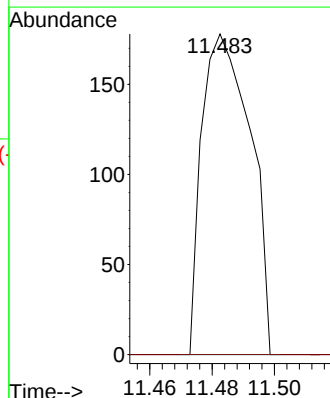
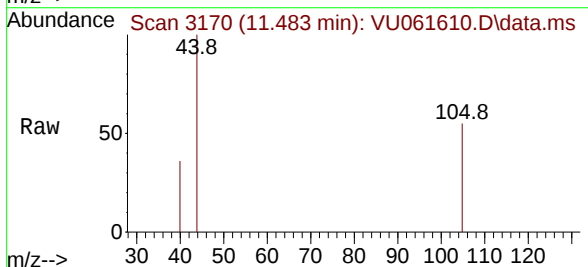


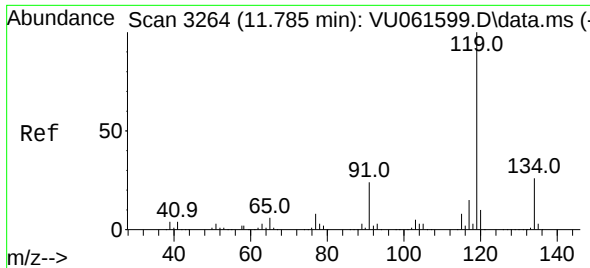
Tgt Ion:	75	Resp:	5945
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0
110	0.0	0.0	61.6
97	0.0	0.0	34.6



#78
 1,2,4-Trimethylbenzene
 Concen: 0.245 ug/l
 RT: 11.483 min Scan# 3170
 Delta R.T. 0.026 min
 Lab File: VU061610.D
 Acq: 12 Nov 2024 18:38

Tgt Ion:	105	Resp:	193
Ion Ratio	Lower	Upper	
105	100		
120	0.0	22.7	68.0#

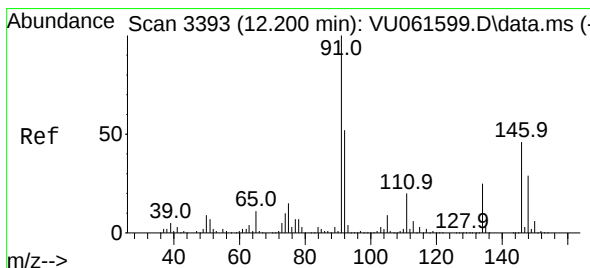
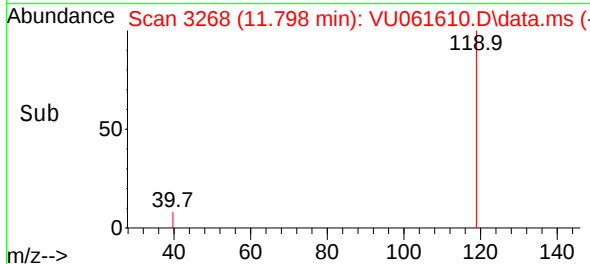
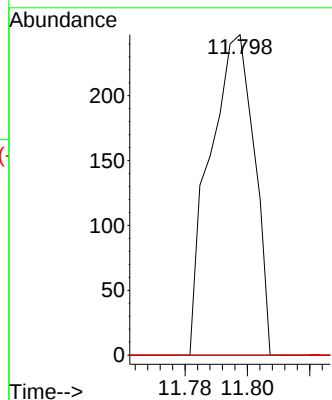
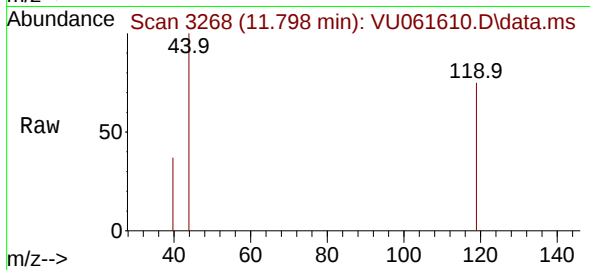




#81
p-Isopropyltoluene
Concen: 0.269 ug/l
RT: 11.798 min Scan# 311
Delta R.T. 0.013 min
Lab File: VU061610.D
Acq: 12 Nov 2024 18:38

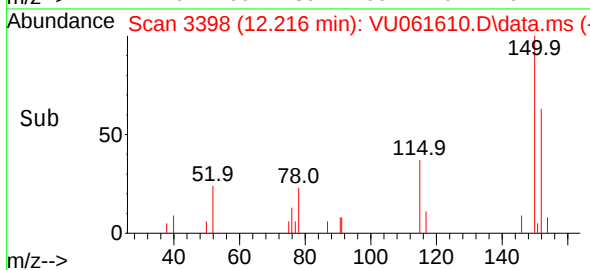
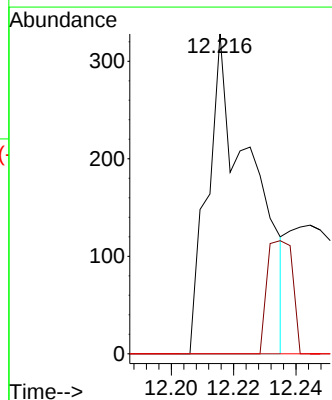
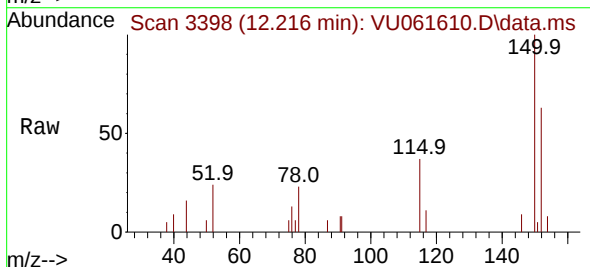
Instrument :
MSVOA_U
ClientSampleId :

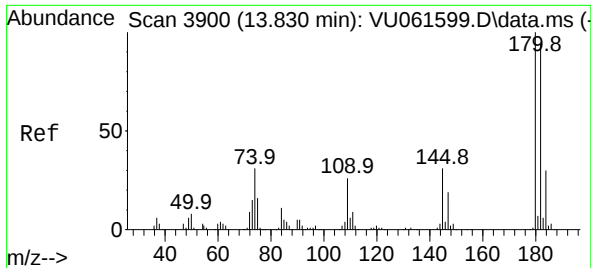
Tgt Ion:119 Resp: 243
Ion Ratio Lower Upper
119 100
134 0.0 20.9 31.3#
91 0.0 18.8 28.2#



#84
n-Butylbenzene
Concen: 0.269 ug/l
RT: 12.216 min Scan# 3398
Delta R.T. 0.016 min
Lab File: VU061610.D
Acq: 12 Nov 2024 18:38

Tgt Ion: 91 Resp: 326
Ion Ratio Lower Upper
91 100
92 20.2 41.8 62.6#
134 0.0 20.2 30.4#





#87

1,2,4-Trichlorobenzene

Concen: 0.462 ug/l

RT: 13.865 min Scan# 3911

Delta R.T. 0.035 min

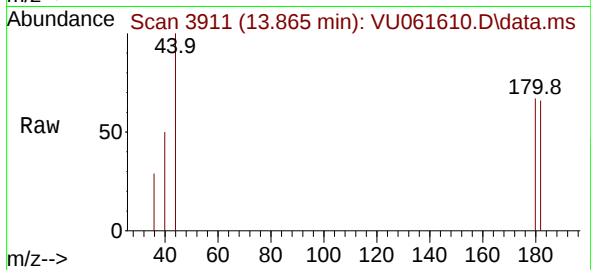
Lab File: VU061610.D

Acq: 12 Nov 2024 18:38

Instrument :

MSVOA_U

ClientSampleId :



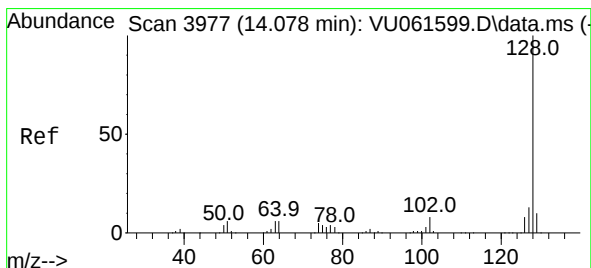
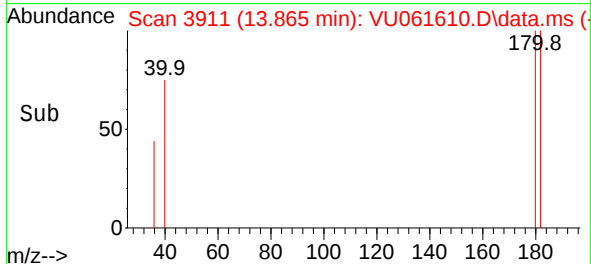
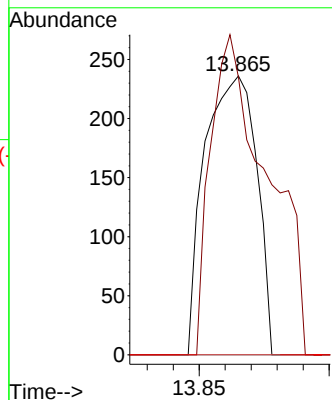
Tgt Ion:180 Resp: 327

Ion Ratio Lower Upper

180 100

182 125.7 75.3 112.9#

145 0.0 24.3 36.5#



#89

Naphthalene

Concen: 0.624 ug/l

RT: 14.129 min Scan# 3993

Delta R.T. 0.051 min

Lab File: VU061610.D

Acq: 12 Nov 2024 18:38

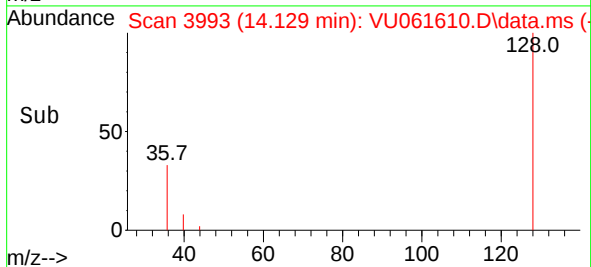
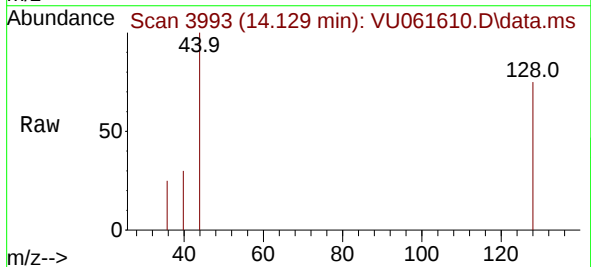
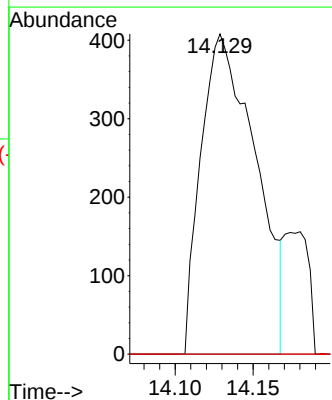
Tgt Ion:128 Resp: 991

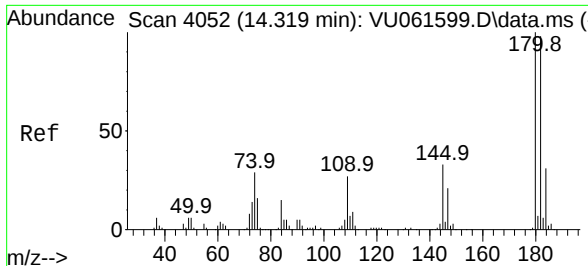
Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

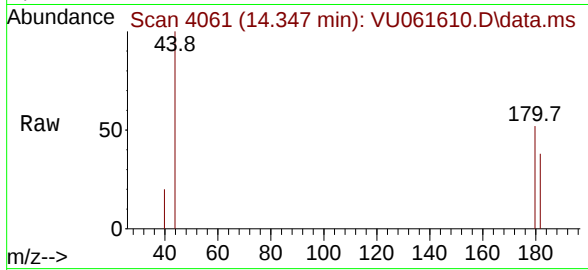
129 0.0 8.6 12.8#





#90
1,2,3-Trichlorobenzene
Concen: 0.486 ug/l
RT: 14.347 min Scan# 4061
Delta R.T. 0.029 min
Lab File: VU061610.D
Acq: 12 Nov 2024 18:38

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:180 Resp: 485
Ion Ratio Lower Upper
180 100
182 84.3 77.9 116.9
145 0.0 25.9 38.9#

