

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111224\
 Data File : VU061609.D
 Acq On : 12 Nov 2024 18:13
 Operator : MD/SY
 Sample : P4635-01DL2 4X
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 13 16:40:53 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)

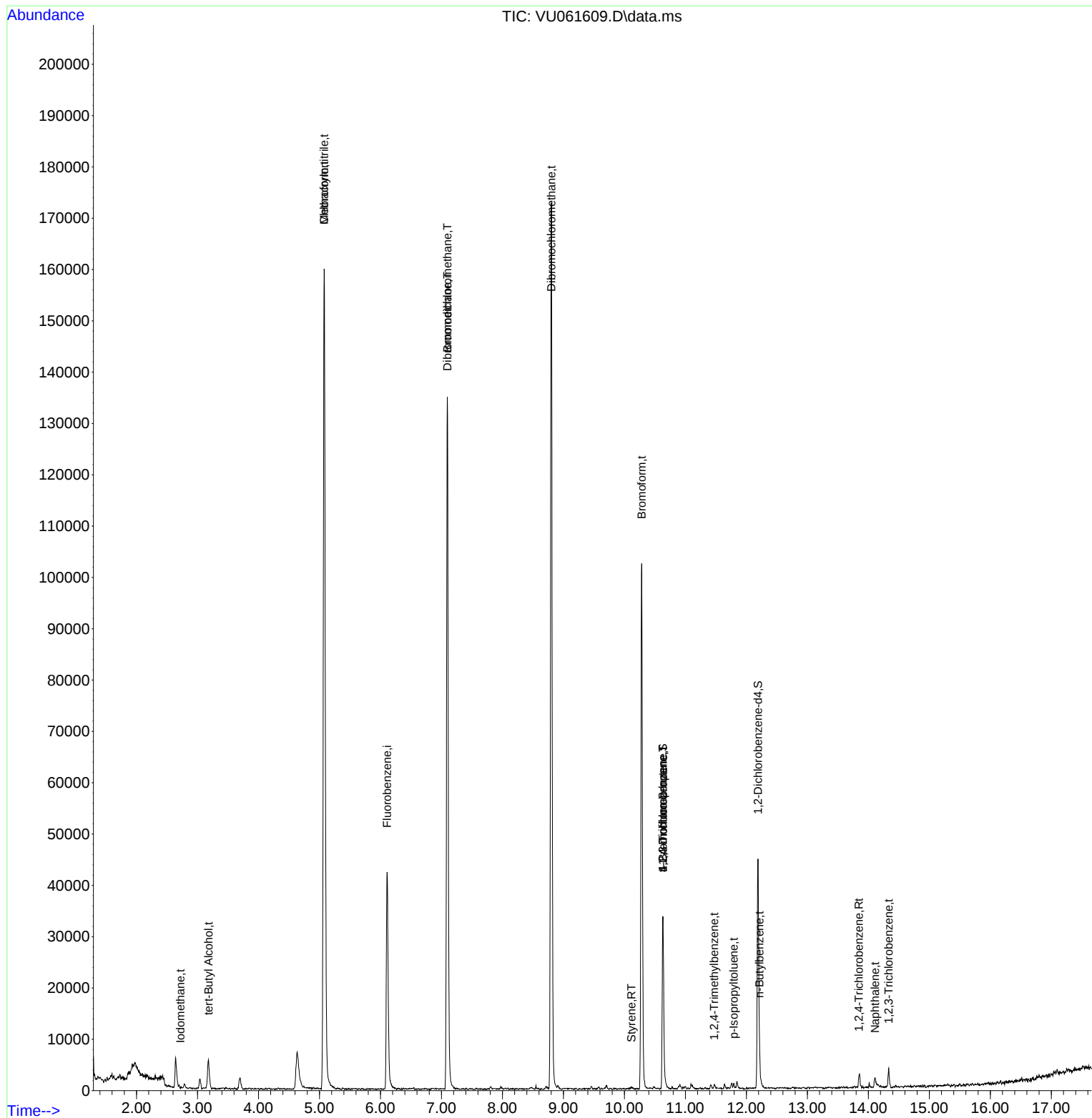
Internal Standards						
1) Fluorobenzene	6.110	96	43489	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	13052	0.865	ug/l	0.00
Spiked Amount 1.000			Recovery	=	87.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	13347	0.888	ug/l	0.00
Spiked Amount 1.000			Recovery	=	89.000%	
Target Compounds						
					Qvalue	
10) Iodomethane	2.721	142	19	0.736	ug/l #	32
24) tert-Butyl Alcohol	3.181	59	3561	4.852	ug/l #	73
27) Chloroform	5.078	83	146214	6.892	ug/l	100
39) Methacrylonitrile	5.078	41	573	0.223	ug/l #	16
43) Dibromomethane	7.100	93	2858	0.458	ug/l #	5
44) Bromodichloromethane	7.097	83	90187	6.399	ug/l	98
46) t-1,4-Dichloro-2-butene	10.630	75	6948	2.187	ug/l #	31
55) Dibromochloromethane	8.801	129	92231	9.959	ug/l	100
66) Styrene	10.116	104	141	0.287	ug/l #	75
67) Bromoform	10.283	173	47237	9.832	ug/l	100
71) 1,2,3-Trichloropropane	10.630	75	6948	0.820	ug/l #	50
78) 1,2,4-Trimethylbenzene	11.473	105	769	0.256	ug/l	99
81) p-Isopropyltoluene	11.794	119	904	0.281	ug/l #	79
84) n-Butylbenzene	12.216	91	1479	0.293	ug/l #	91
87) 1,2,4-Trichlorobenzene	13.846	180	717	0.486	ug/l #	33
89) Naphthalene	14.109	128	3092	0.700	ug/l #	84
90) 1,2,3-Trichlorobenzene	14.334	180	1550	0.558	ug/l	97

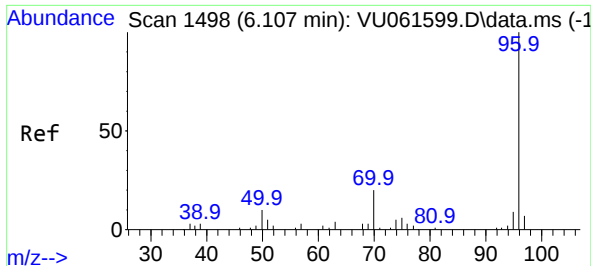
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111224\
Data File : VU061609.D
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Sample : P4635-01DL2 4X
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Nov 13 16:40:53 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





#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.110 min Scan# 14

Delta R.T. 0.003 min

Lab File: VU061609.D

Acq: 12 Nov 2024 18:13

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 96 Resp: 43489

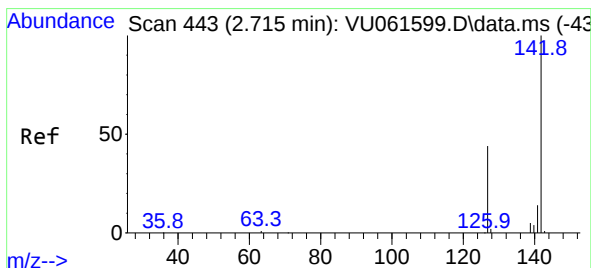
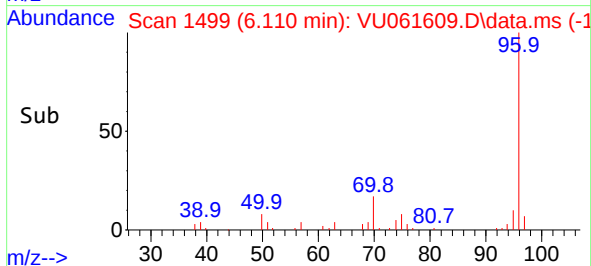
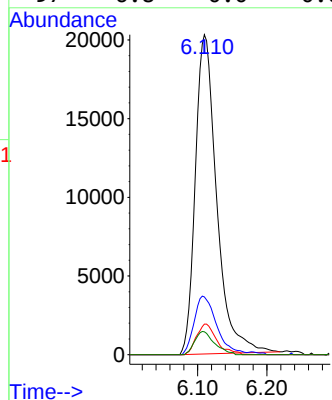
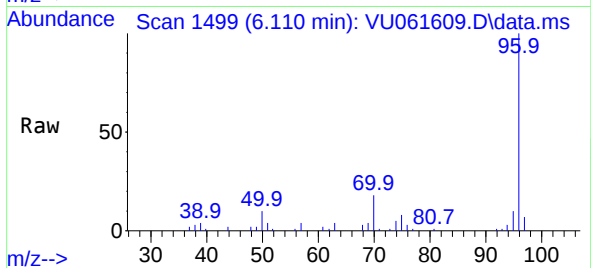
Ion Ratio Lower Upper

96 100

70 18.5 15.8 23.6

95 9.1 7.3 10.9

97 6.8 0.0 0.0#



#10

Iodomethane

Concen: 0.736 ug/l

RT: 2.721 min Scan# 445

Delta R.T. 0.006 min

Lab File: VU061609.D

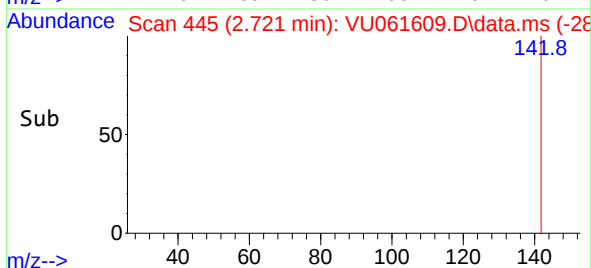
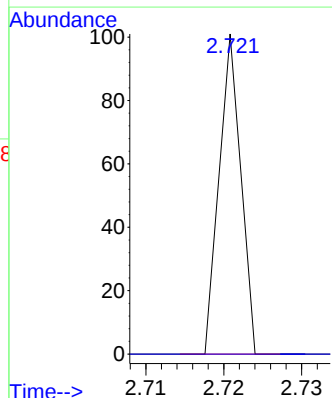
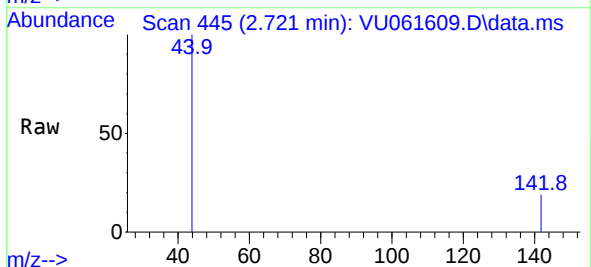
Acq: 12 Nov 2024 18:13

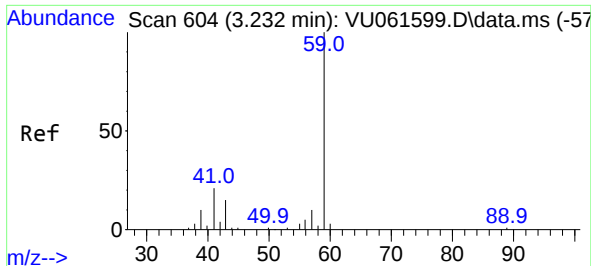
Tgt Ion:142 Resp: 19

Ion Ratio Lower Upper

142 100

127 0.0 34.8 52.2#

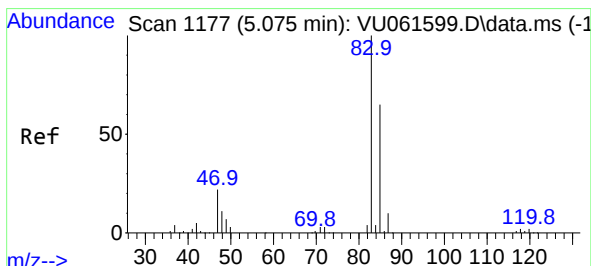
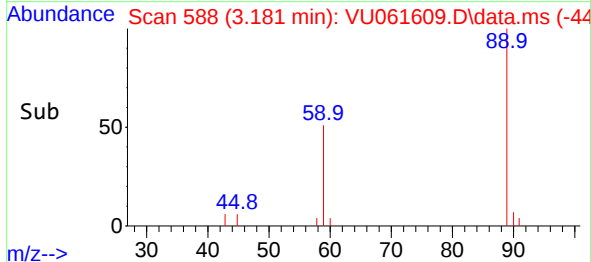
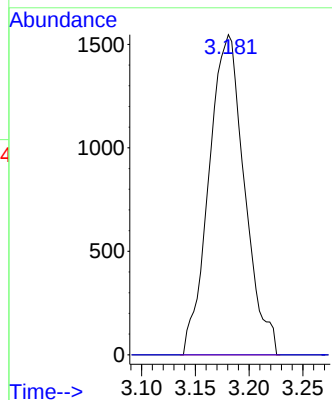
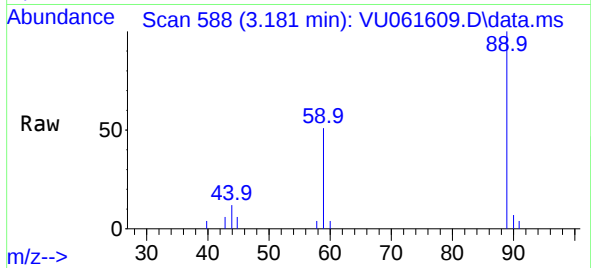




#24
tert-Butyl Alcohol
Concen: 4.852 ug/l
RT: 3.181 min Scan# 51
Delta R.T. -0.052 min
Lab File: VU061609.D
Acq: 12 Nov 2024 18:13

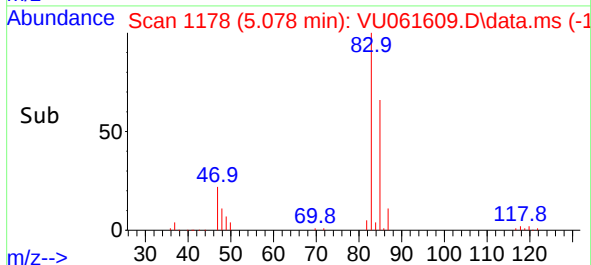
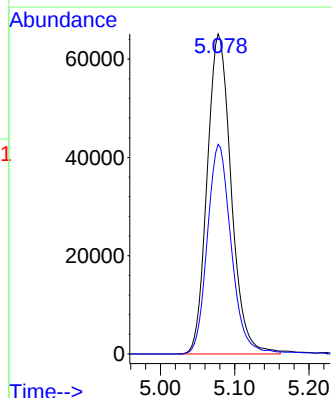
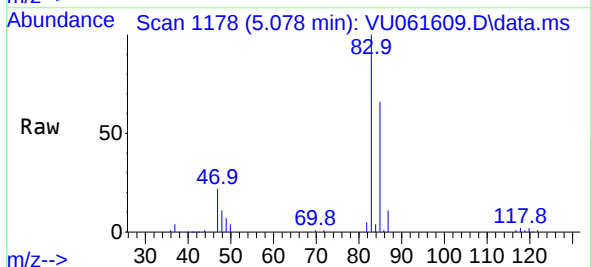
Instrument :
MSVOA_U
ClientSampleId :

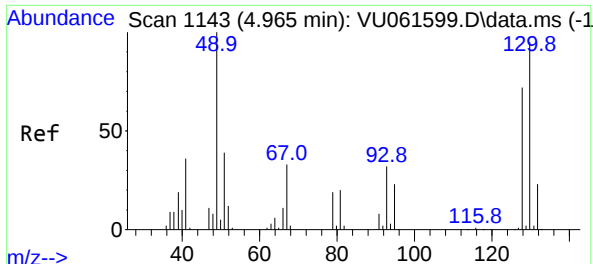
Tgt Ion: 59 Resp: 3561
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#



#27
Chloroform
Concen: 6.892 ug/l
RT: 5.078 min Scan# 1178
Delta R.T. 0.003 min
Lab File: VU061609.D
Acq: 12 Nov 2024 18:13

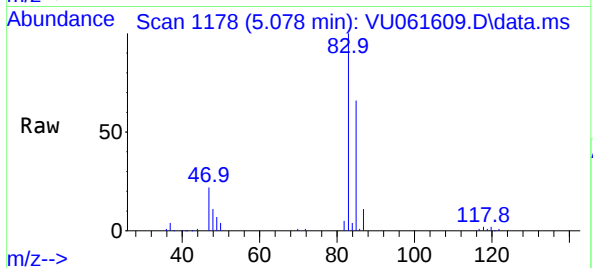
Tgt Ion: 83 Resp: 146214
Ion Ratio Lower Upper
83 100
85 65.5 0.0 130.6





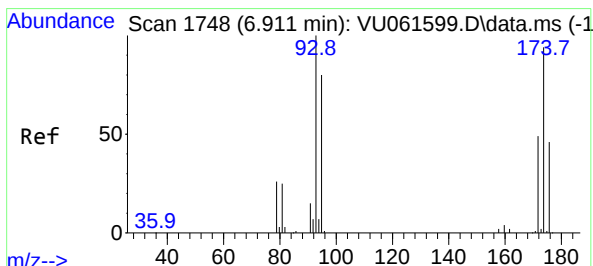
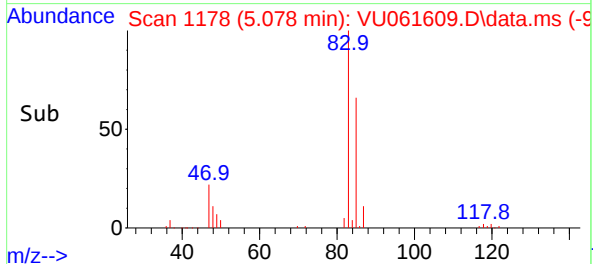
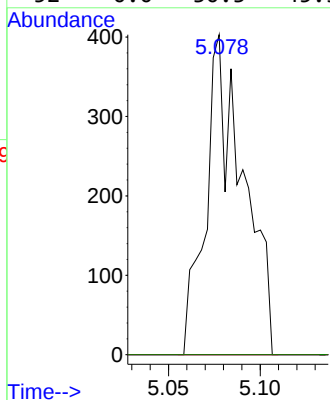
#39
Methacrylonitrile
Concen: 0.223 ug/l
RT: 5.078 min Scan# 11
Delta R.T. 0.112 min
Lab File: VU061609.D
Acq: 12 Nov 2024 18:13

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 41 Resp: 573

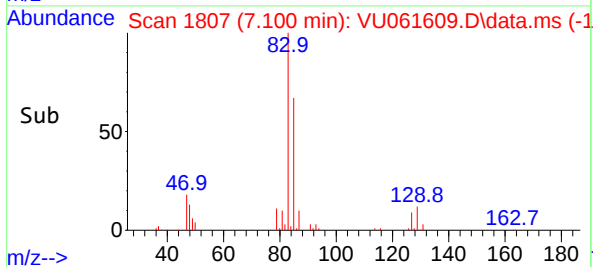
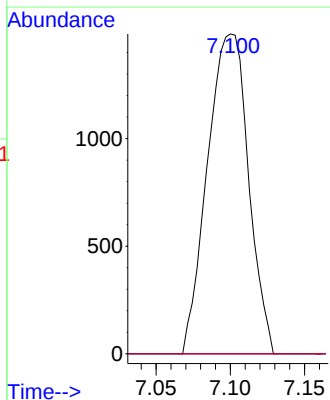
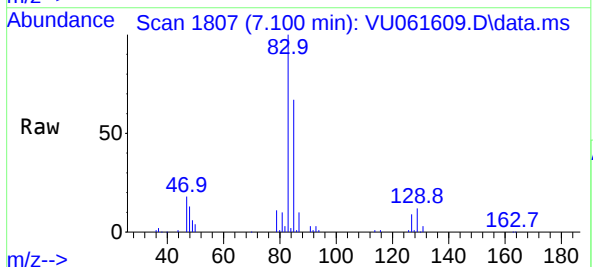
Ion	Ratio	Lower	Upper
41	100		
67	0.0	77.6	116.4#
39	3.7	43.9	65.9#
52	0.0	30.3	45.5#

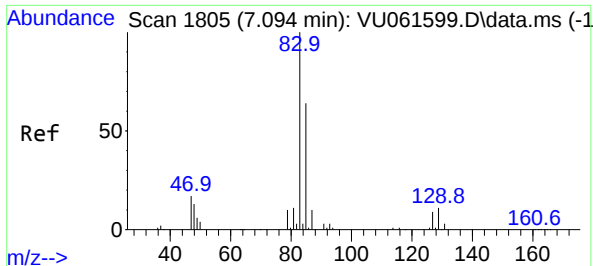


#43
Dibromomethane
Concen: 0.458 ug/l
RT: 7.100 min Scan# 1807
Delta R.T. 0.189 min
Lab File: VU061609.D
Acq: 12 Nov 2024 18:13

Tgt Ion: 93 Resp: 2858

Ion	Ratio	Lower	Upper
93	100		
95	0.0	65.2	97.8#
174	0.0	75.3	112.9#

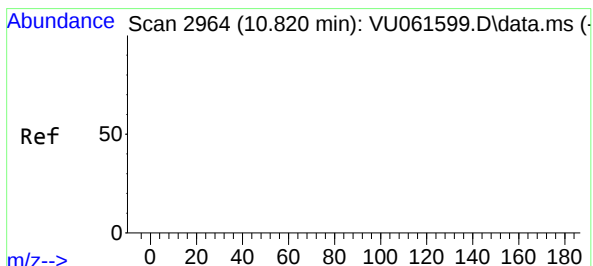
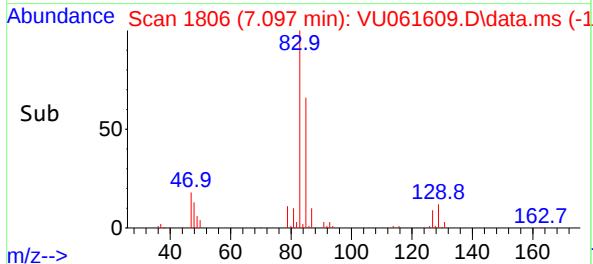
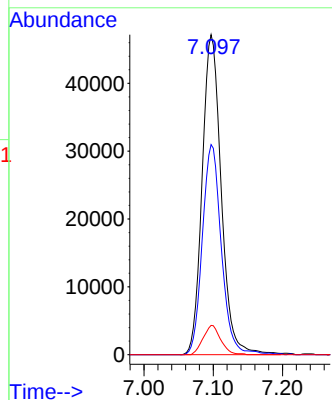
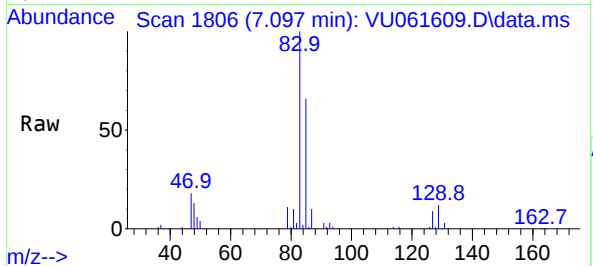




#44
Bromodichloromethane
Concen: 6.399 ug/l
RT: 7.097 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU061609.D
Acq: 12 Nov 2024 18:13

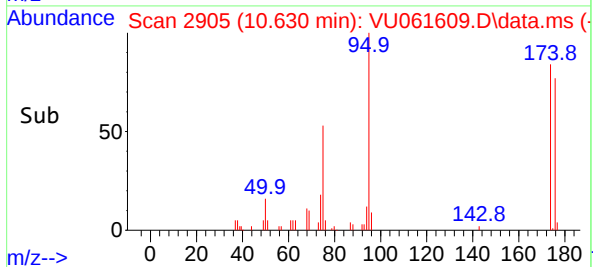
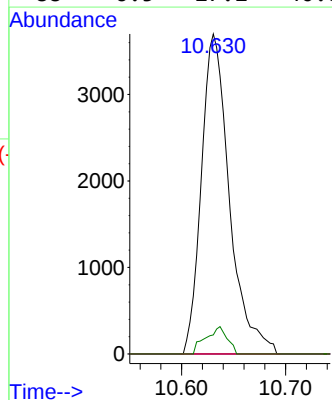
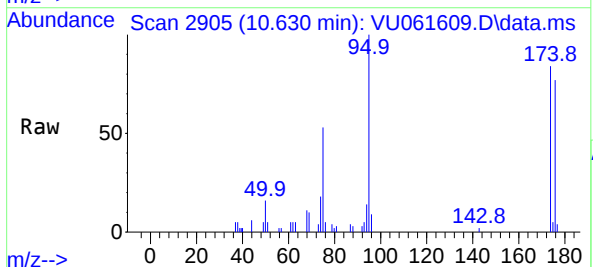
Instrument :
MSVOA_U
ClientSampleId :

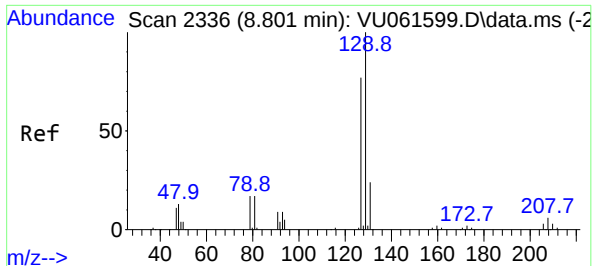
Tgt Ion: 83 Resp: 90187
Ion Ratio Lower Upper
83 100
85 65.7 51.4 77.0
127 10.0 7.2 10.8



#46
t-1,4-Dichloro-2-butene
Concen: 2.187 ug/l
RT: 10.630 min Scan# 2905
Delta R.T. -0.190 min
Lab File: VU061609.D
Acq: 12 Nov 2024 18:13

Tgt Ion: 75 Resp: 6948
Ion Ratio Lower Upper
75 100
53 0.0 50.7 76.1#
89 0.0 35.2 52.8#
88 6.5 27.2 40.8#

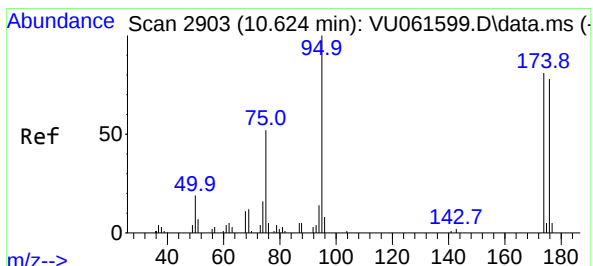
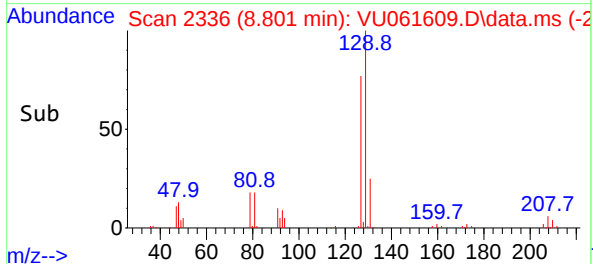
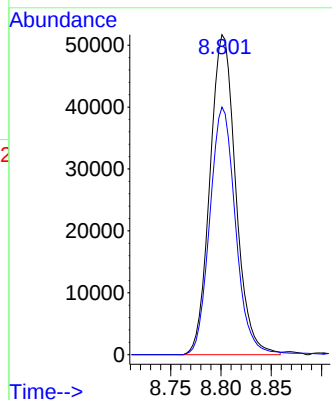
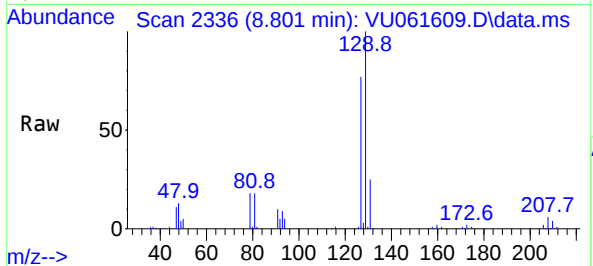




#55
Dibromochloromethane
Concen: 9.959 ug/l
RT: 8.801 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU061609.D
Acq: 12 Nov 2024 18:13

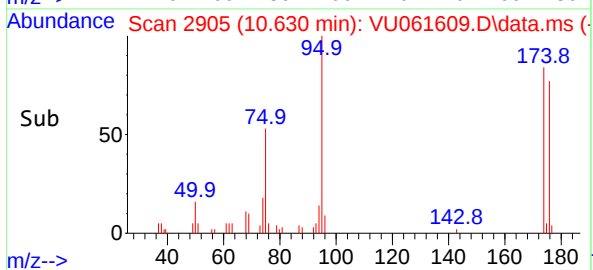
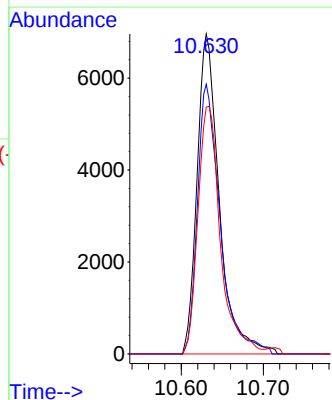
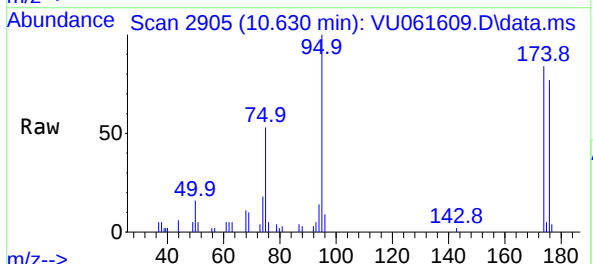
Instrument :
MSVOA_U
ClientSampleId :

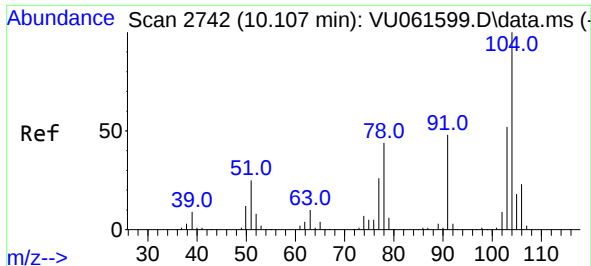
Tgt Ion:129 Resp: 92231
Ion Ratio Lower Upper
129 100
127 77.1 61.8 92.8



#57
4-Bromofluorobenzene
Concen: 0.865 ug/l
RT: 10.630 min Scan# 2905
Delta R.T. 0.006 min
Lab File: VU061609.D
Acq: 12 Nov 2024 18:13

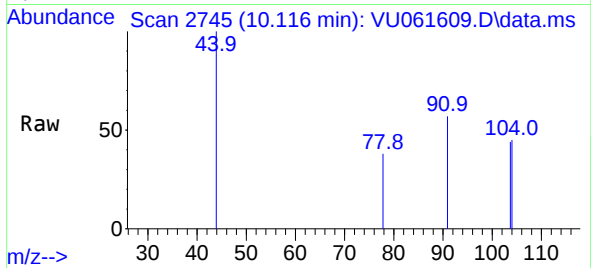
Tgt Ion: 95 Resp: 13052
Ion Ratio Lower Upper
95 100
174 86.6 67.5 101.3
176 78.8 62.7 94.1



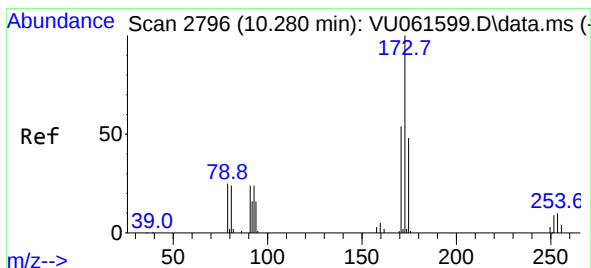
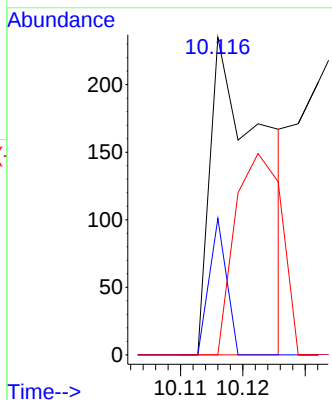


#66
Styrene
Concen: 0.287 ug/l
RT: 10.116 min Scan# 21
Delta R.T. 0.009 min
Lab File: VU061609.D
Acq: 12 Nov 2024 18:13

Instrument :
MSVOA_U
ClientSampleId :

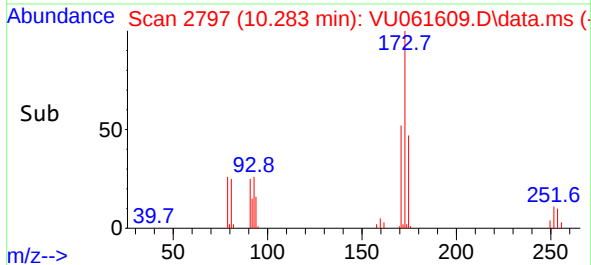
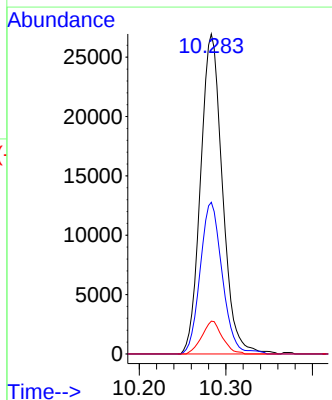
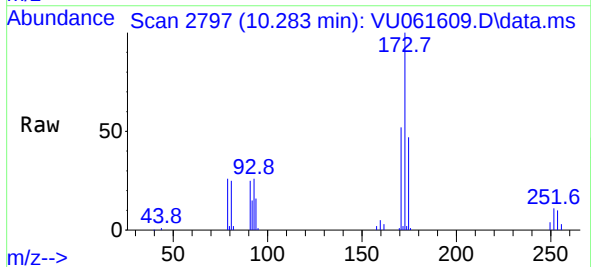


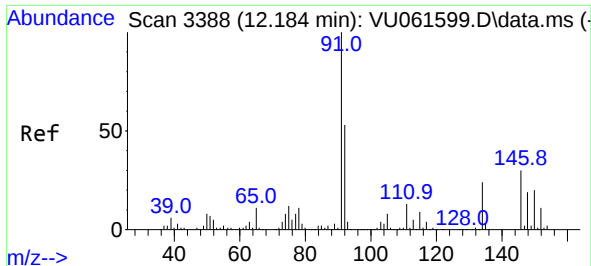
Tgt Ion:104 Resp: 141
Ion Ratio Lower Upper
104 100
78 13.5 39.2 58.8#
103 54.6 44.9 67.3



#67
Bromoform
Concen: 9.832 ug/l
RT: 10.283 min Scan# 2797
Delta R.T. 0.003 min
Lab File: VU061609.D
Acq: 12 Nov 2024 18:13

Tgt Ion:173 Resp: 47237
Ion Ratio Lower Upper
173 100
175 47.8 38.4 57.6
254 9.6 7.7 11.5





#68

1,2-Dichlorobenzene-d4

Concen: 0.888 ug/l

RT: 12.190 min Scan# 31

Delta R.T. 0.006 min

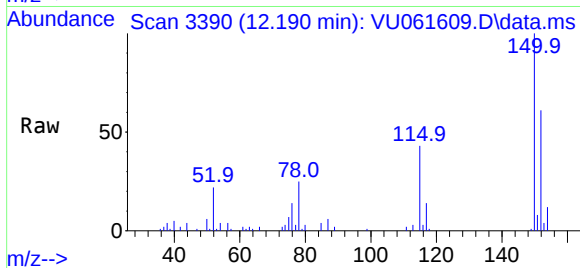
Lab File: VU061609.D

Acq: 12 Nov 2024 18:13

Instrument :

MSVOA_U

ClientSampleId :



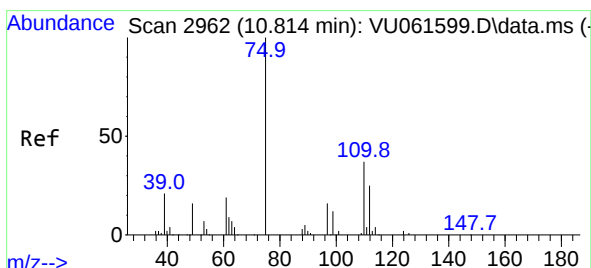
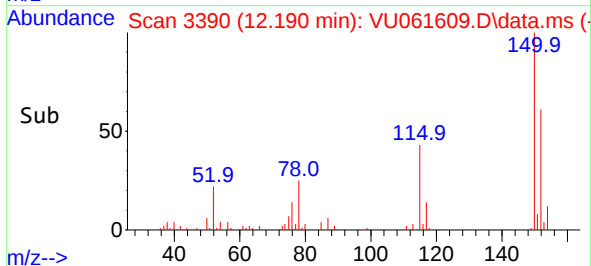
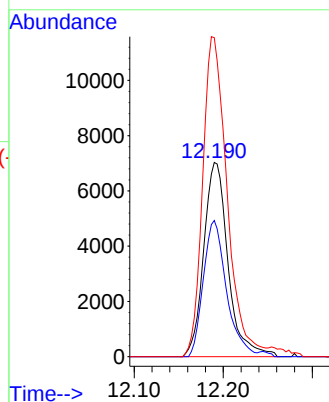
Tgt Ion:152 Resp: 13347

Ion Ratio Lower Upper

152 100

115 66.6 0.0 259.0

150 164.9 0.0 650.2



#71

1,2,3-Trichloropropane

Concen: 0.820 ug/l

RT: 10.630 min Scan# 2905

Delta R.T. -0.184 min

Lab File: VU061609.D

Acq: 12 Nov 2024 18:13

Tgt Ion: 75 Resp: 6948

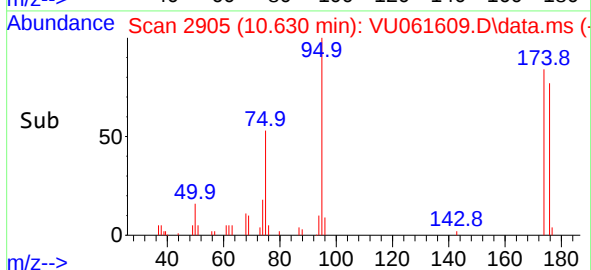
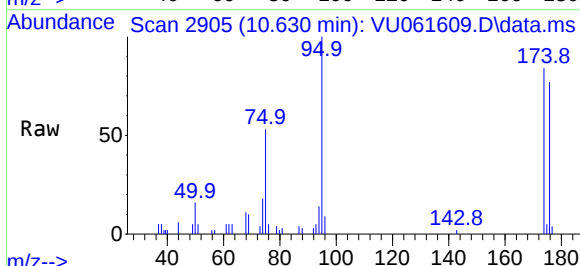
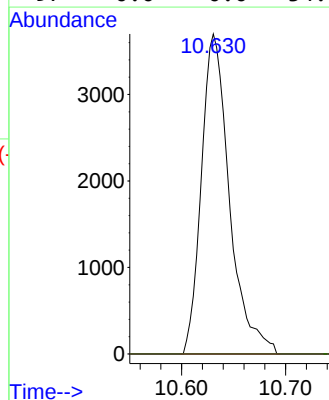
Ion Ratio Lower Upper

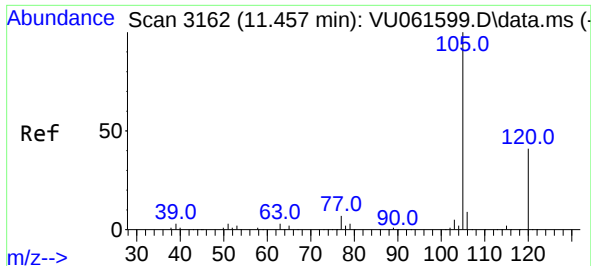
75 100

77 3.5 0.0 0.0#

110 0.0 0.0 61.6

97 0.0 0.0 34.6





#78

1,2,4-Trimethylbenzene

Concen: 0.256 ug/l

RT: 11.473 min Scan# 3162

Delta R.T. 0.016 min

Lab File: VU061609.D

Acq: 12 Nov 2024 18:13

Instrument :

MSVOA_U

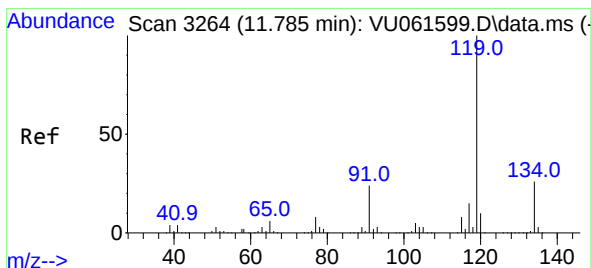
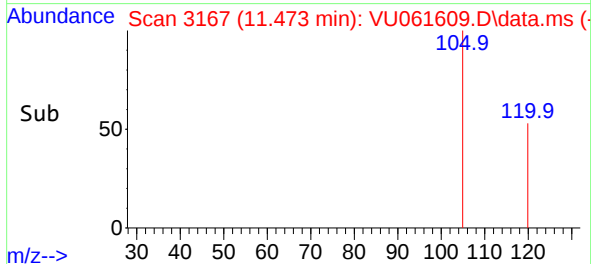
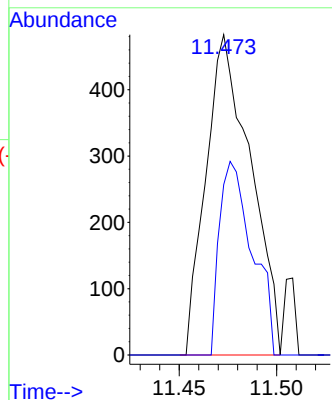
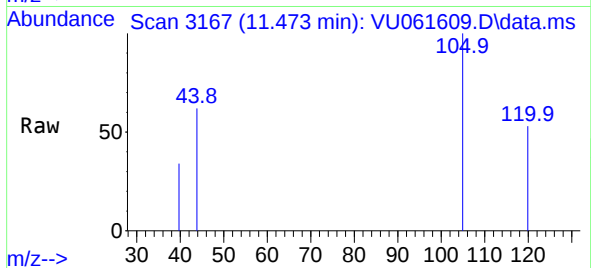
ClientSampleId :

Tgt Ion:105 Resp: 769

Ion Ratio Lower Upper

105 100

120 44.6 22.7 68.0



#81

p-Isopropyltoluene

Concen: 0.281 ug/l

RT: 11.794 min Scan# 3267

Delta R.T. 0.009 min

Lab File: VU061609.D

Acq: 12 Nov 2024 18:13

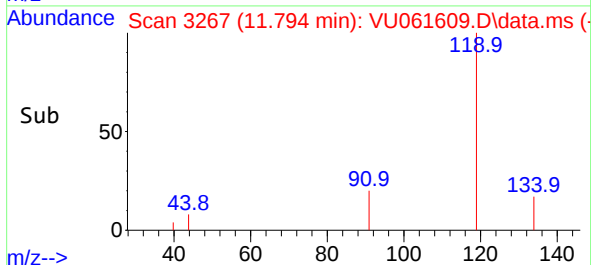
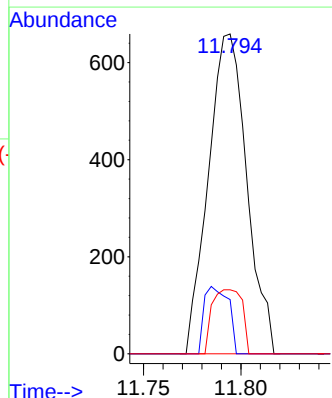
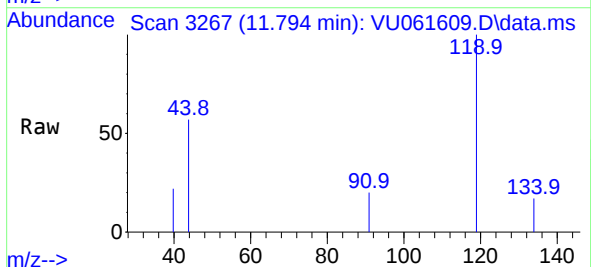
Tgt Ion:119 Resp: 904

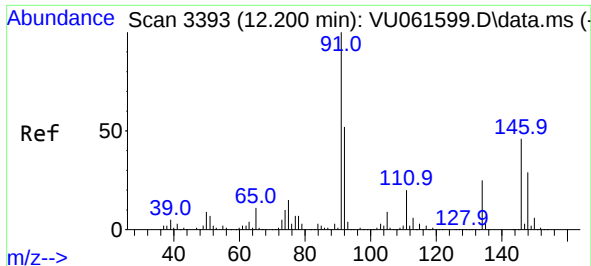
Ion Ratio Lower Upper

119 100

134 13.2 20.9 31.3#

91 15.5 18.8 28.2#





#84

n-Butylbenzene

Concen: 0.293 ug/l

RT: 12.216 min Scan# 31

Delta R.T. 0.016 min

Lab File: VU061609.D

Acq: 12 Nov 2024 18:13

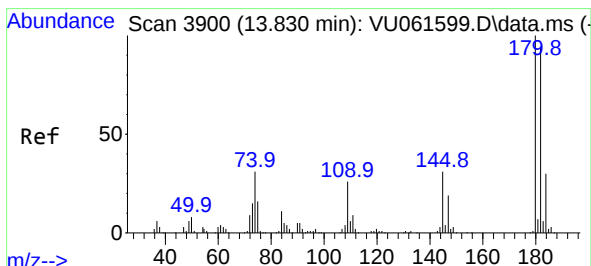
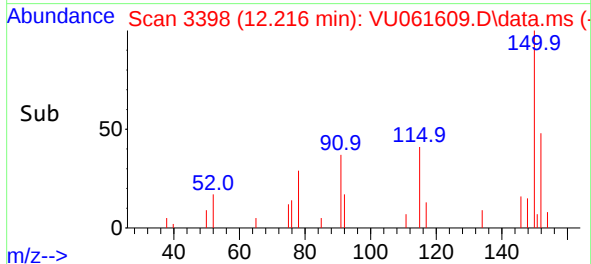
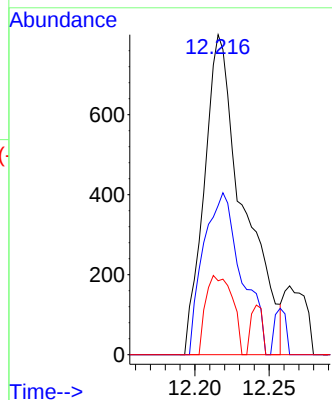
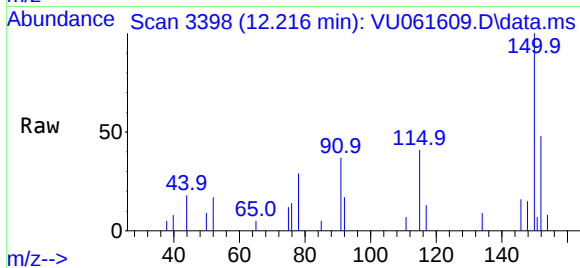
Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 91 Resp: 1479

Ion	Ratio	Lower	Upper
91	100		
92	49.0	41.8	62.6
134	16.6	20.2	30.4



#87

1,2,4-Trichlorobenzene

Concen: 0.486 ug/l

RT: 13.846 min Scan# 3905

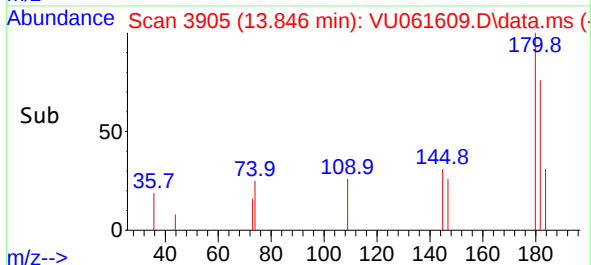
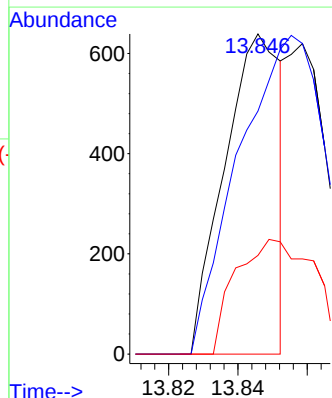
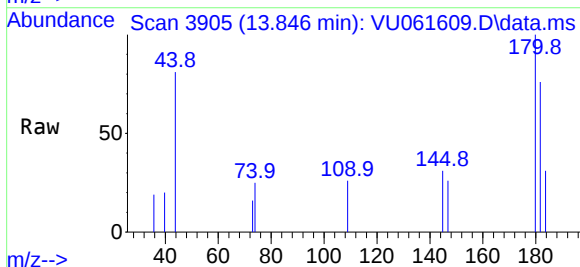
Delta R.T. 0.016 min

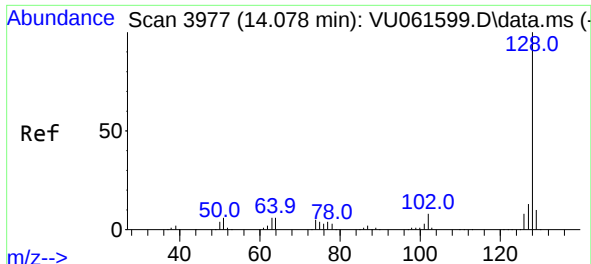
Lab File: VU061609.D

Acq: 12 Nov 2024 18:13

Tgt Ion: 180 Resp: 717

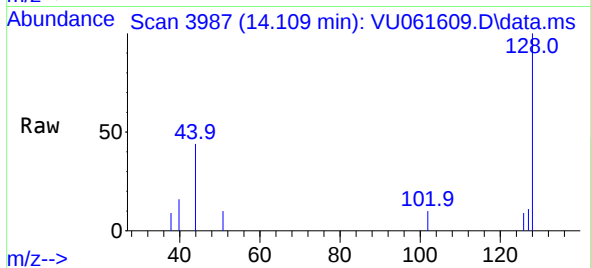
Ion	Ratio	Lower	Upper
180	100		
182	168.8	75.3	112.9
145	49.2	24.3	36.5



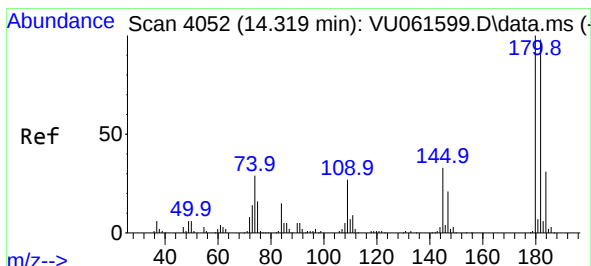
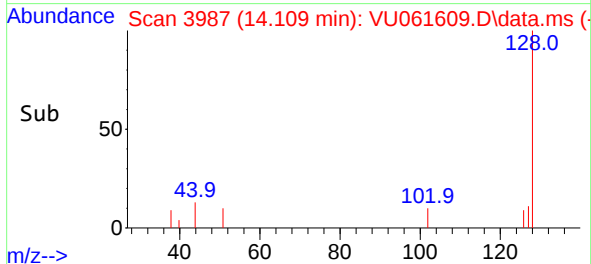
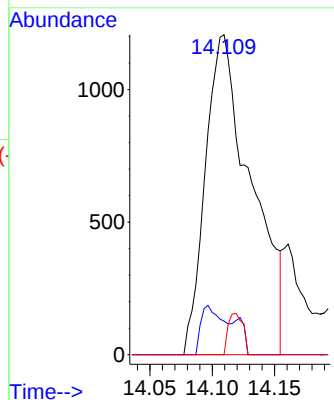


#89
Naphthalene
Concen: 0.700 ug/l
RT: 14.109 min Scan# 3977
Delta R.T. 0.032 min
Lab File: VU061609.D
Acq: 12 Nov 2024 18:13

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 3092
Ion Ratio Lower Upper
128 100
127 7.2 10.3 15.5#
129 4.2 8.6 12.8#



#90
1,2,3-Trichlorobenzene
Concen: 0.558 ug/l
RT: 14.334 min Scan# 4057
Delta R.T. 0.016 min
Lab File: VU061609.D
Acq: 12 Nov 2024 18:13

Tgt Ion:180 Resp: 1550
Ion Ratio Lower Upper
180 100
182 94.5 77.9 116.9
145 30.0 25.9 38.9

