

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU013124\
 Data File : VU057764.D
 Acq On : 31 Jan 2024 14:01
 Operator : MD/SY
 Sample : VIBLK
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK

Quant Time: Feb 01 02:03:26 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U013124DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Feb 01 02:02:36 2024
 Response via : Initial Calibration

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

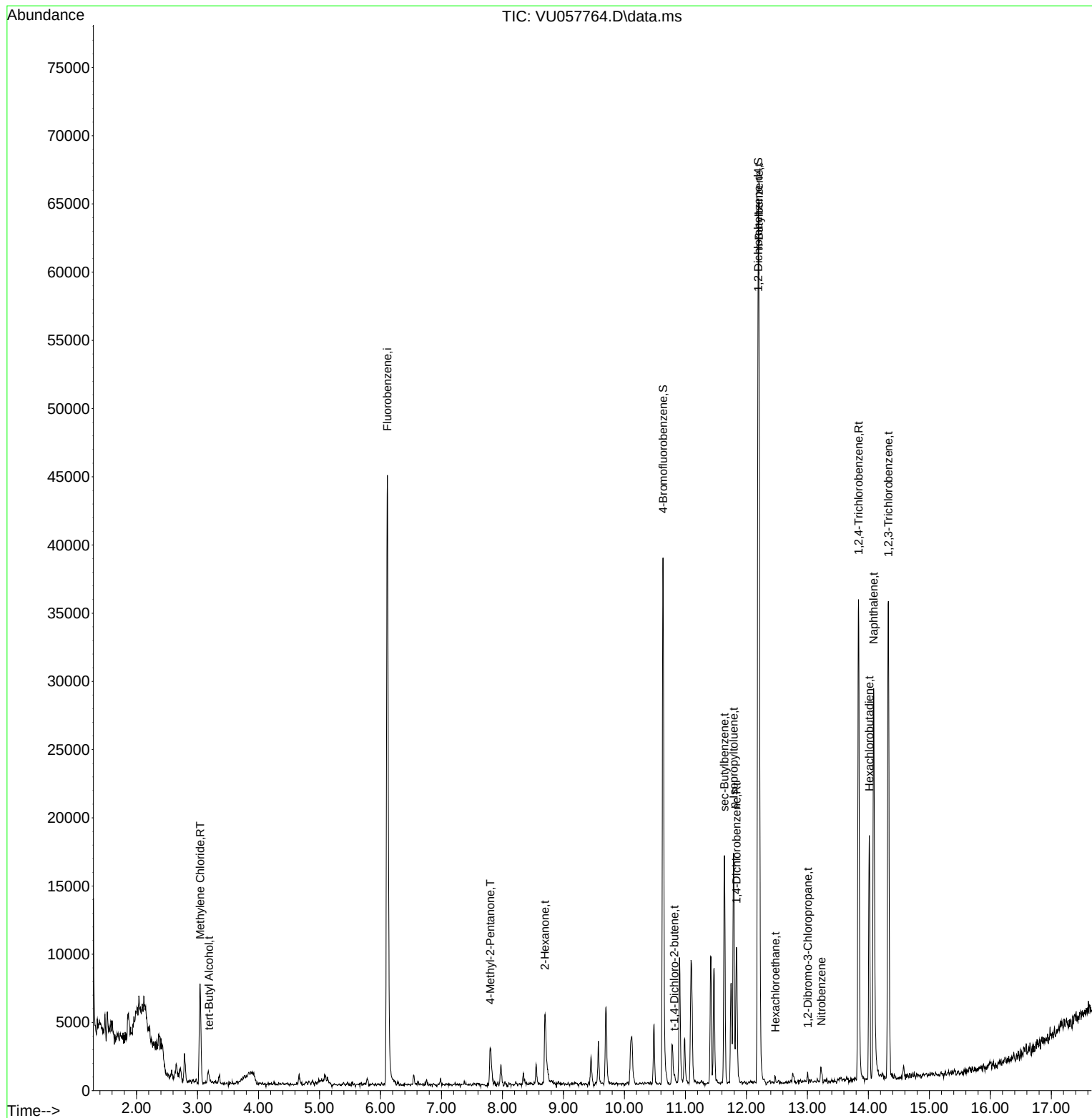
Internal Standards						
1) Fluorobenzene	6.113	96	43711	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.634	95	14442	0.873	ug/l	0.00
Spiked Amount 1.000			Recovery	=	87.000%	
68) 1,2-Dichlorobenzene-d4	12.193	152	13294	0.892	ug/l	0.00
Spiked Amount 1.000			Recovery	=	89.000%	
Target Compounds						Qvalue
15) Methylene Chloride	3.042	84	3425	0.264	ug/l	91
24) tert-Butyl Alcohol	3.187	59	371	0.416	ug/l #	1
45) 4-Methyl-2-Pentanone	7.801	43	2456	0.395	ug/l #	87
46) t-1,4-Dichloro-2-butene	10.820	75	533	1.041	ug/l #	29
54) 2-Hexanone	8.698	43	5263	0.919	ug/l	93
62) Hexachloroethane	12.476	117	155	0.517	ug/l #	61
71) 1,2,3-Trichloropropane	10.820	75	533	Below Cal	#	1
79) sec-Butylbenzene	11.640	105	12210	0.214	ug/l	98
80) Nitrobenzene	13.228	77	941	6.496	ug/l #	59
81) p-Isopropyltoluene	11.791	119	9686	0.201	ug/l	96
83) 1,4-Dichlorobenzene	11.839	146	4817	0.200	ug/l	95
84) n-Butylbenzene	12.206	91	18563	0.403	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	13.007	75	129	0.451	ug/l #	66
87) 1,2,4-Trichlorobenzene	13.839	180	10459	0.782	ug/l	93
88) Hexachlorobutadiene	14.016	225	3189	0.372	ug/l	97
89) Naphthalene	14.087	128	26680	1.327	ug/l	98
90) 1,2,3-Trichlorobenzene	14.328	180	11211	1.008	ug/l	98

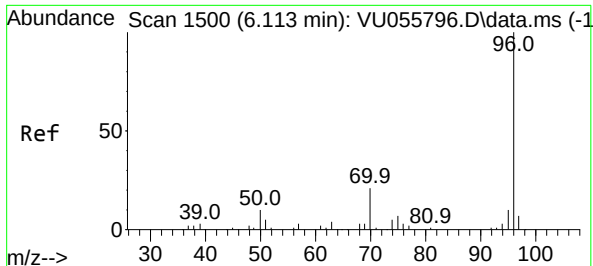
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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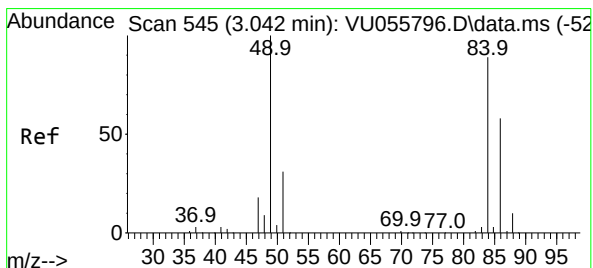
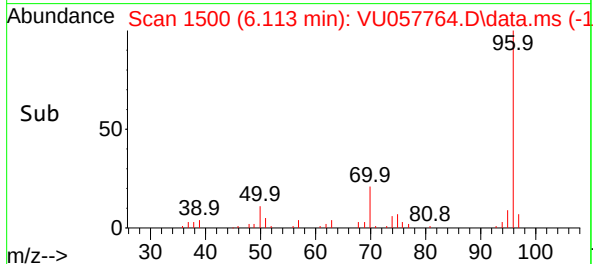
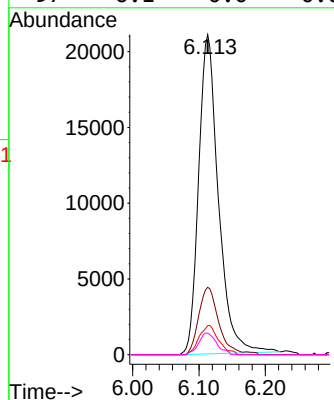
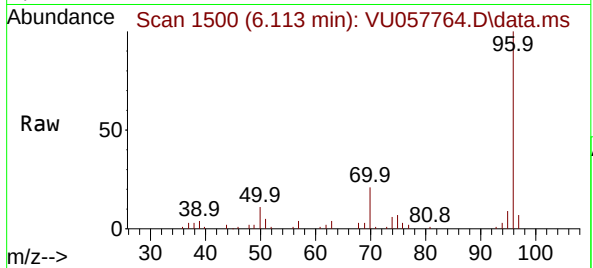




#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.113 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU057764.D
Acq: 31 Jan 2024 14:01

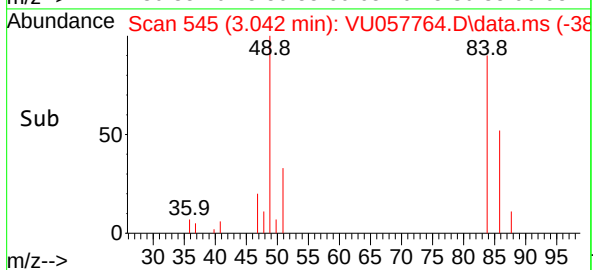
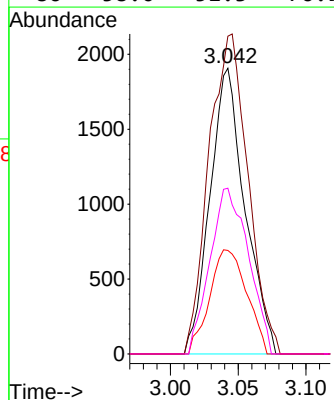
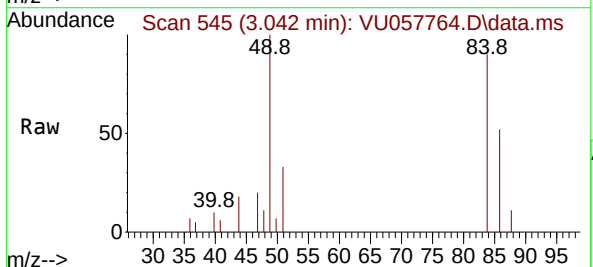
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

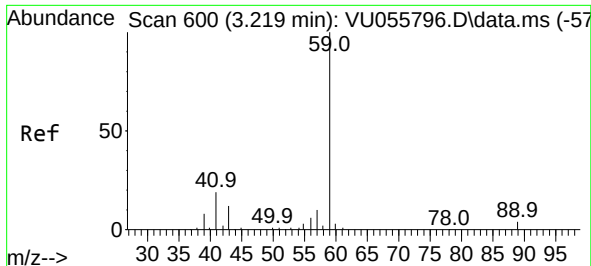
Tgt Ion: 96	Resp: 43711
Ion Ratio	Lower Upper
96 100	
70 20.1	16.5 24.7
95 9.0	7.4 11.0
97 6.1	0.0 0.0#



#15
Methylene Chloride
Concen: 0.264 ug/l
RT: 3.042 min Scan# 545
Delta R.T. 0.000 min
Lab File: VU057764.D
Acq: 31 Jan 2024 14:01

Tgt Ion: 84	Resp: 3425
Ion Ratio	Lower Upper
84 100	
49 111.2	98.9 148.3
51 36.2	0.0 75.4
86 58.0	51.3 76.9

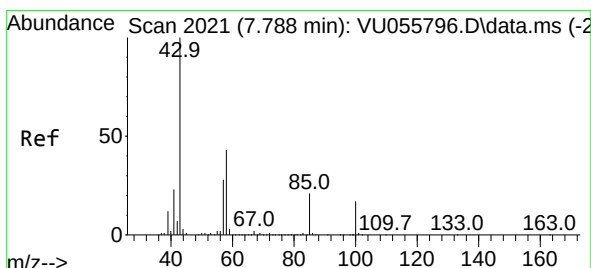
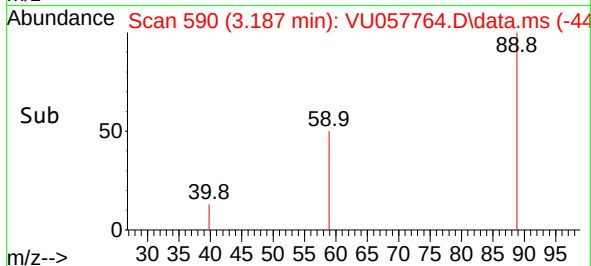
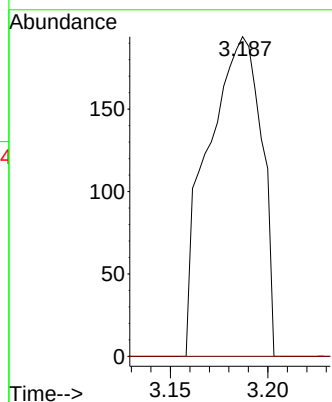
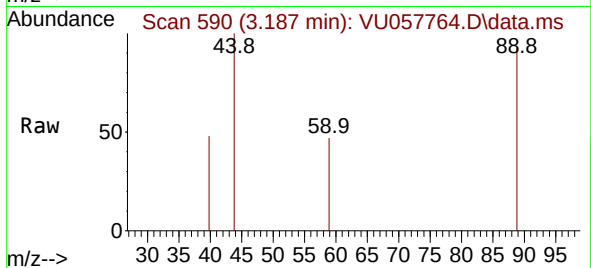




#24
 tert-Butyl Alcohol
 Concen: 0.416 ug/l
 RT: 3.187 min Scan# 59
 Delta R.T. -0.032 min
 Lab File: VU057764.D
 Acq: 31 Jan 2024 14:01

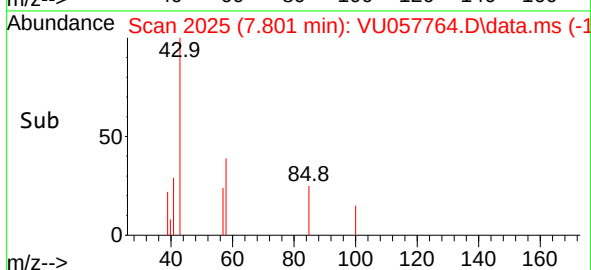
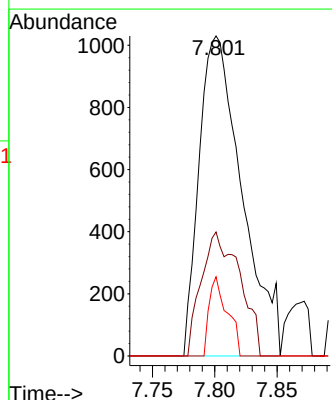
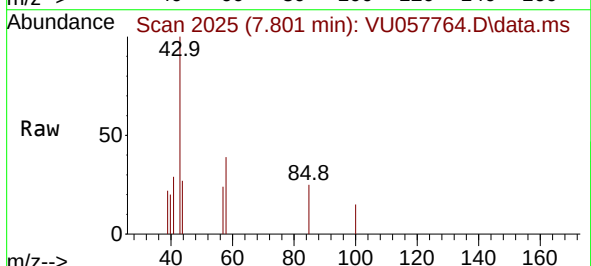
Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK

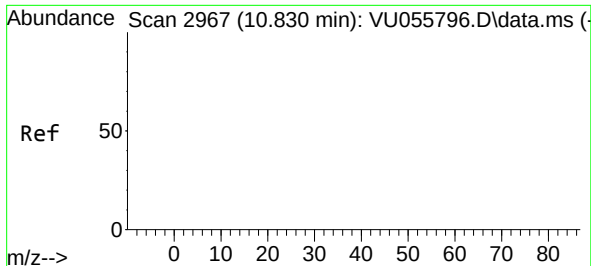
Tgt Ion: 59 Resp: 371
 Ion Ratio Lower Upper
 59 100
 57 0.0 105.6 158.4#



#45
 4-Methyl-2-Pentanone
 Concen: 0.395 ug/l
 RT: 7.801 min Scan# 2025
 Delta R.T. 0.013 min
 Lab File: VU057764.D
 Acq: 31 Jan 2024 14:01

Tgt Ion: 43 Resp: 2456
 Ion Ratio Lower Upper
 43 100
 58 35.0 20.9 62.8
 85 10.5 14.6 21.8#

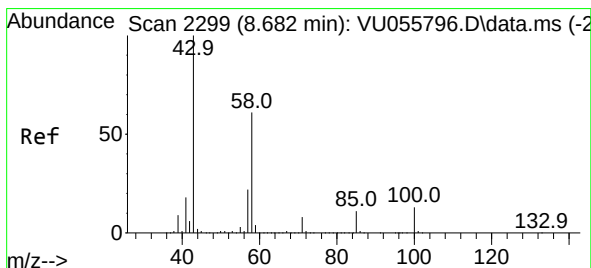
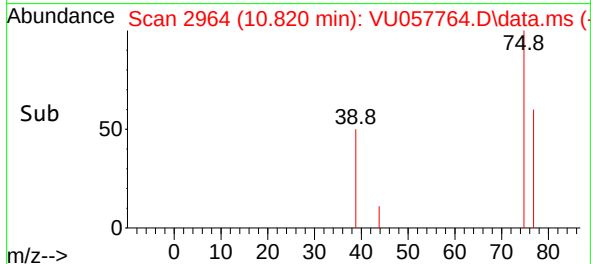
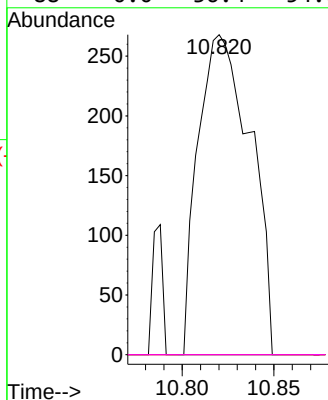
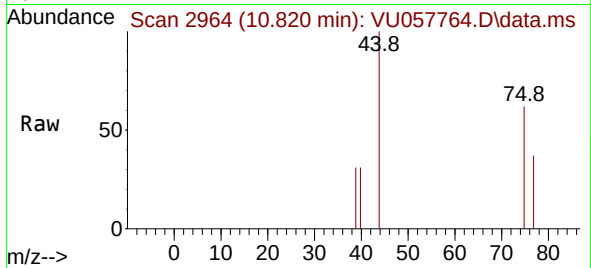




#46
t-1,4-Dichloro-2-butene
Concen: 1.041 ug/l
RT: 10.820 min Scan# 2967
Delta R.T. -0.010 min
Lab File: VU057764.D
Acq: 31 Jan 2024 14:01

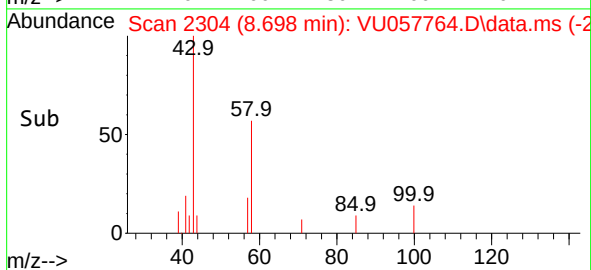
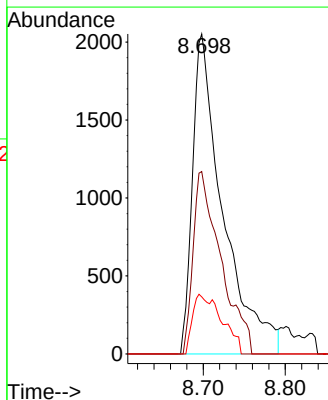
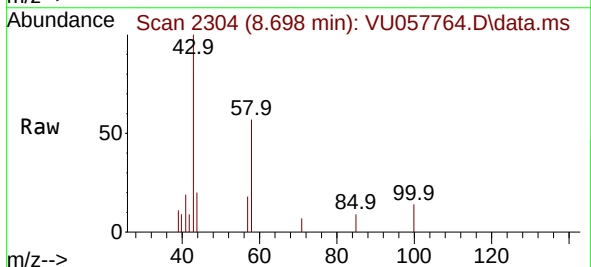
Instrument : MSVOA_U
ClientSampleId : VIBLK

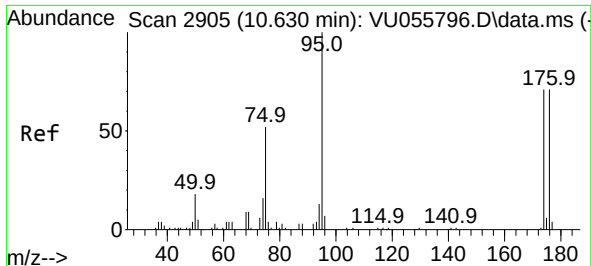
Tgt Ion:	75	Resp:	533
Ion	Ratio	Lower	Upper
75	100		
53	0.0	73.3	109.9#
89	34.9	48.2	72.4#
88	0.0	36.4	54.6#



#54
2-Hexanone
Concen: 0.919 ug/l
RT: 8.698 min Scan# 2304
Delta R.T. 0.016 min
Lab File: VU057764.D
Acq: 31 Jan 2024 14:01

Tgt Ion:	43	Resp:	5263
Ion	Ratio	Lower	Upper
43	100		
58	52.0	38.2	78.2
57	17.9	0.0	39.1

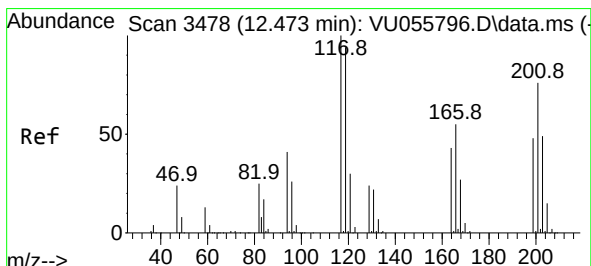
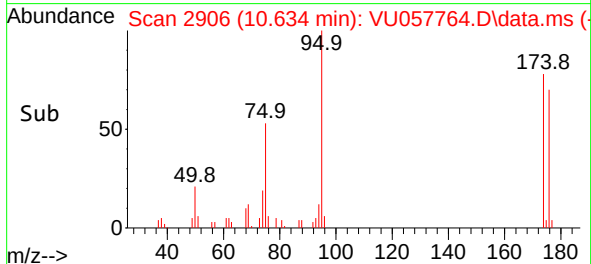
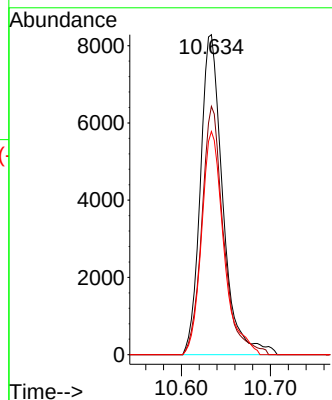
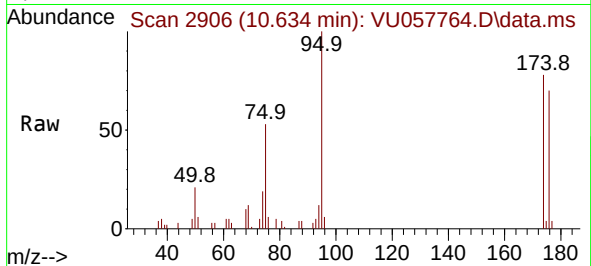




#57
4-Bromofluorobenzene
Concen: 0.873 ug/l
RT: 10.634 min Scan# 2905
Delta R.T. 0.004 min
Lab File: VU057764.D
Acq: 31 Jan 2024 14:01

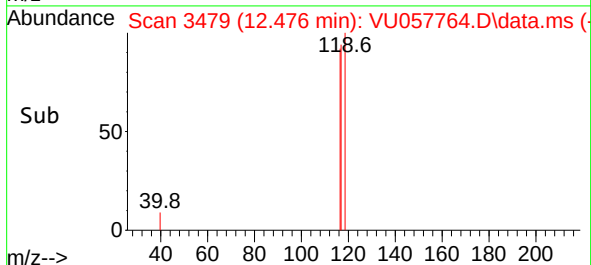
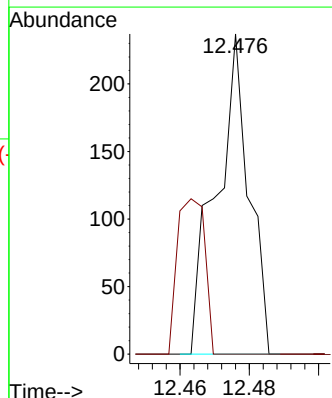
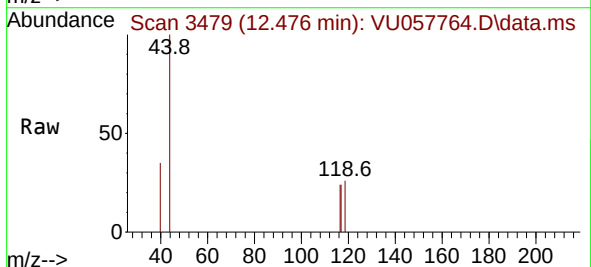
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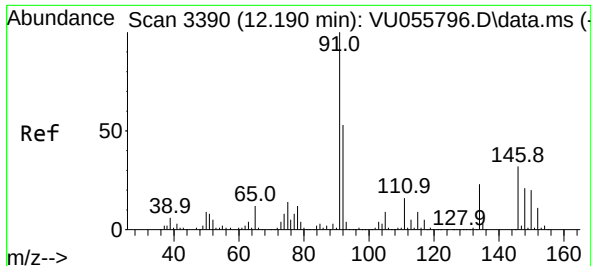
Tgt Ion: 95 Resp: 14442
Ion Ratio Lower Upper
95 100
174 75.5 63.3 94.9
176 69.3 59.3 88.9



#62
Hexachloroethane
Concen: 0.517 ug/l
RT: 12.476 min Scan# 3479
Delta R.T. 0.003 min
Lab File: VU057764.D
Acq: 31 Jan 2024 14:01

Tgt Ion: 117 Resp: 155
Ion Ratio Lower Upper
117 100
201 41.3 59.6 89.4#

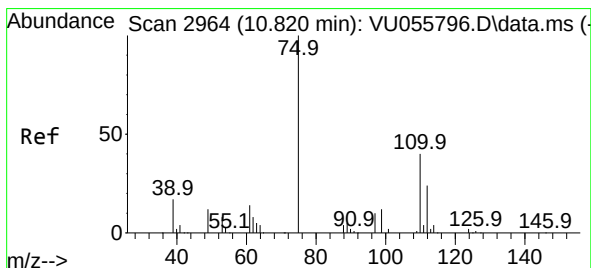
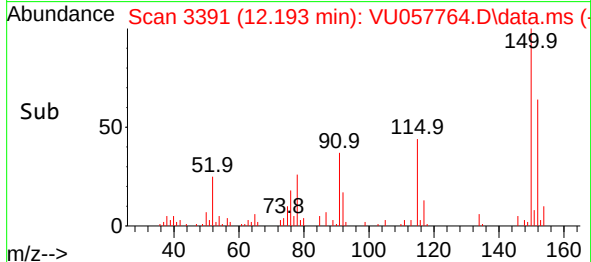
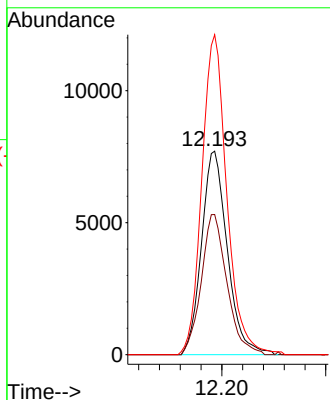
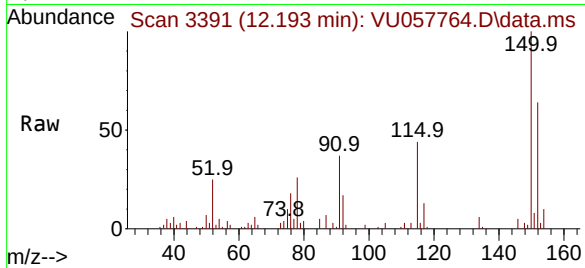




#68
 1,2-Dichlorobenzene-d4
 Concen: 0.892 ug/l
 RT: 12.193 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU057764.D
 Acq: 31 Jan 2024 14:01

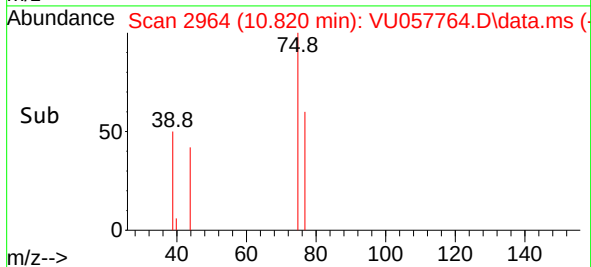
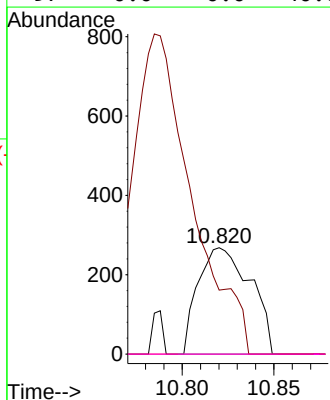
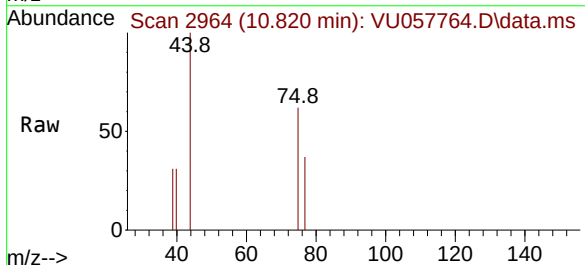
Instrument :
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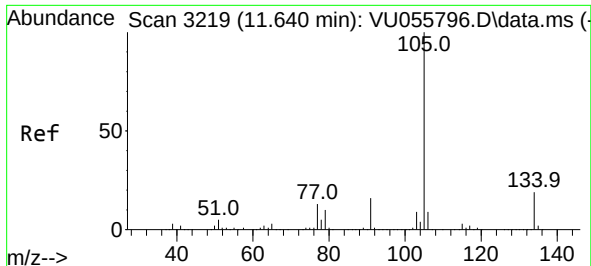
Tgt Ion:152 Resp: 13294
 Ion Ratio Lower Upper
 152 100
 115 68.4 0.0 308.8
 150 152.0 0.0 635.0



#71
 1,2,3-Trichloropropane
 Concen: Below Cal
 RT: 10.820 min Scan# 2964
 Delta R.T. 0.000 min
 Lab File: VU057764.D
 Acq: 31 Jan 2024 14:01

Tgt Ion: 75 Resp: 533
 Ion Ratio Lower Upper
 75 100
 77 337.3 0.0 116.4#
 110 0.0 0.0 74.6
 97 0.0 0.0 40.0

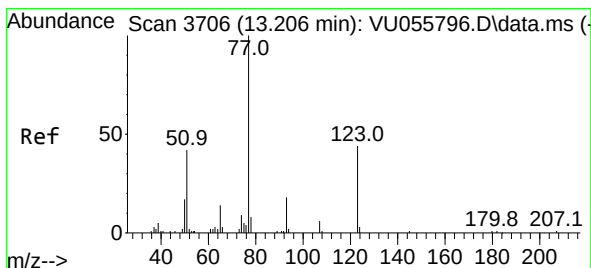
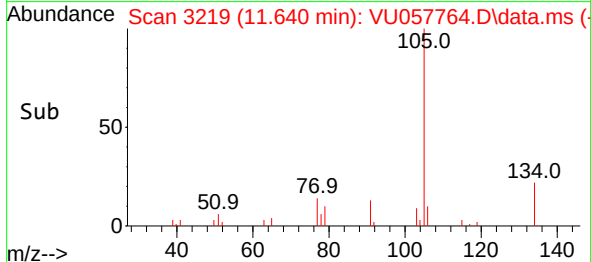
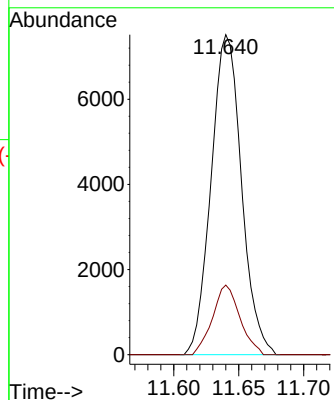
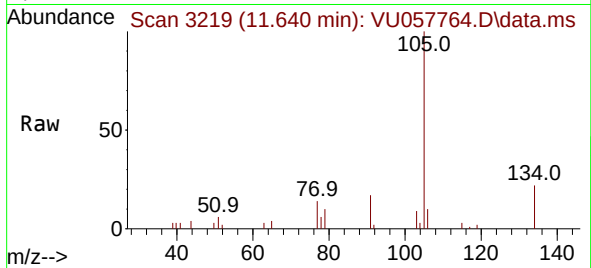




#79
 sec-Butylbenzene
 Concen: 0.214 ug/l
 RT: 11.640 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU057764.D
 Acq: 31 Jan 2024 14:01

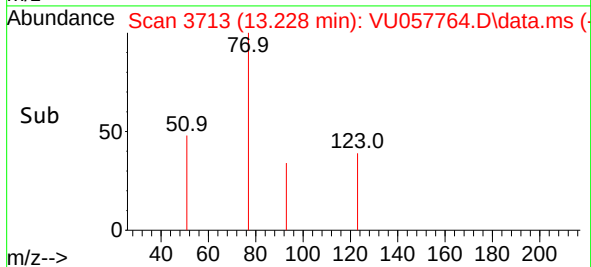
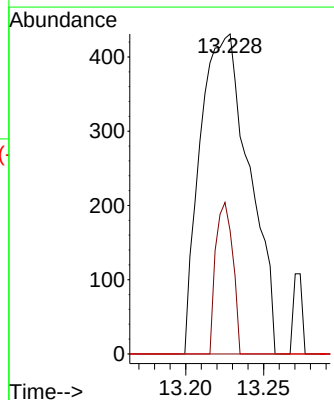
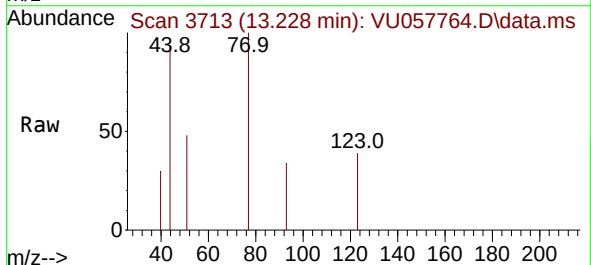
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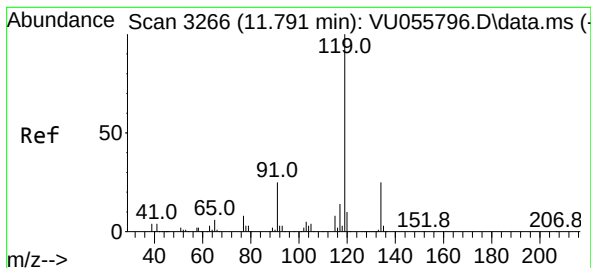
Tgt Ion:105 Resp: 12210
 Ion Ratio Lower Upper
 105 100
 134 19.6 14.9 22.3



#80
 Nitrobenzene
 Concen: 6.496 ug/l
 RT: 13.228 min Scan# 3713
 Delta R.T. 0.022 min
 Lab File: VU057764.D
 Acq: 31 Jan 2024 14:01

Tgt Ion: 77 Resp: 941
 Ion Ratio Lower Upper
 77 100
 123 16.5 19.7 69.7#
 65 0.0 11.5 14.7#





#81

p-Isopropyltoluene

Concen: 0.201 ug/l

RT: 11.791 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU057764.D

Acq: 31 Jan 2024 14:01

Instrument :

MSVOA_U

ClientSampleId :

VIBLK

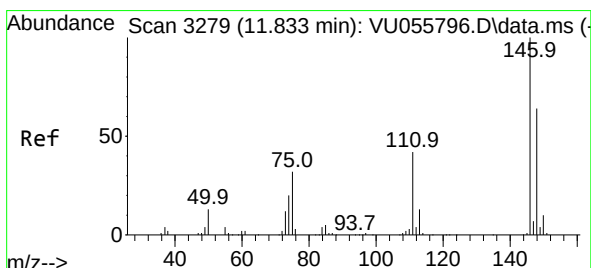
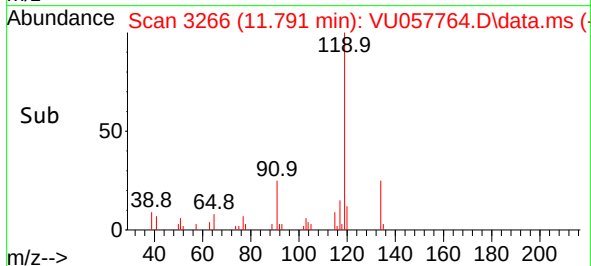
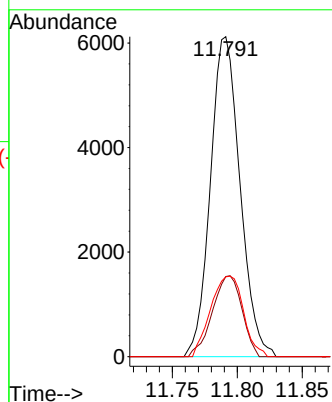
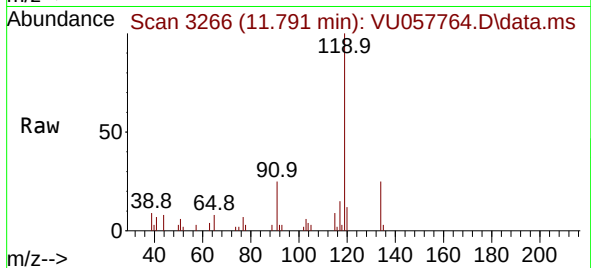
Tgt Ion:119 Resp: 9686

Ion Ratio Lower Upper

119 100

134 25.2 20.2 30.4

91 27.9 19.3 28.9



#83

1,4-Dichlorobenzene

Concen: 0.200 ug/l

RT: 11.839 min Scan# 3281

Delta R.T. 0.006 min

Lab File: VU057764.D

Acq: 31 Jan 2024 14:01

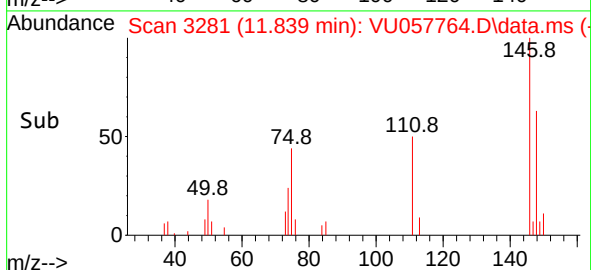
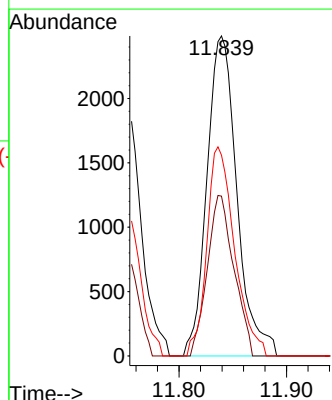
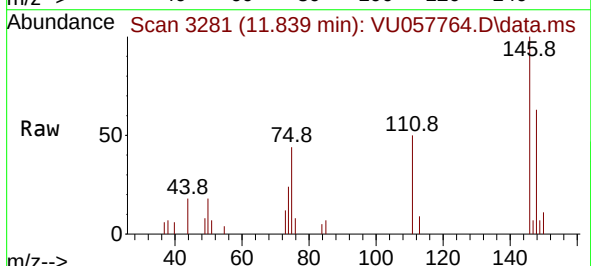
Tgt Ion:146 Resp: 4817

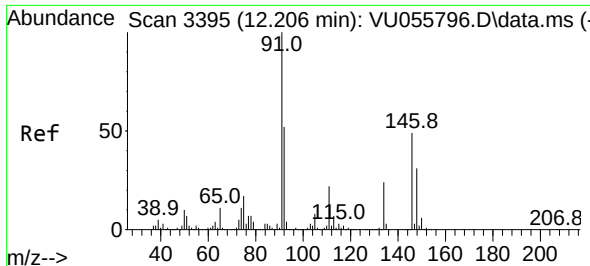
Ion Ratio Lower Upper

146 100

111 44.4 31.6 47.4

148 60.5 50.3 75.5

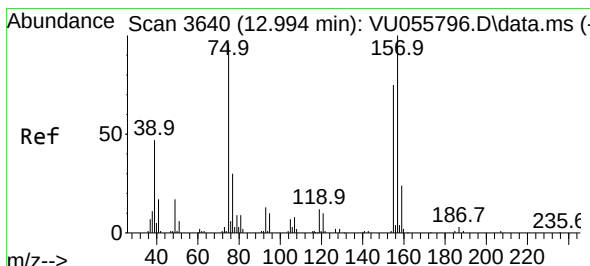
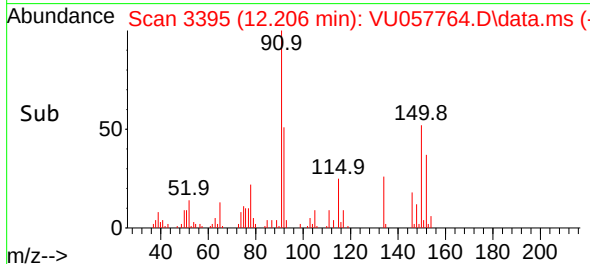
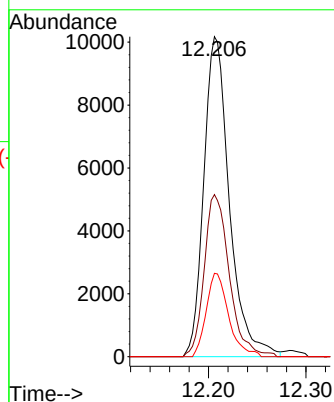
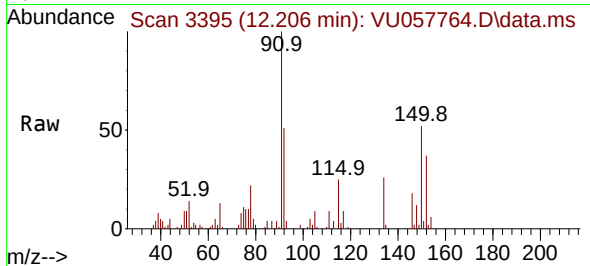




#84
n-Butylbenzene
Concen: 0.403 ug/l
RT: 12.206 min Scan# 3395
Delta R.T. -0.000 min
Lab File: VU057764.D
Acq: 31 Jan 2024 14:01

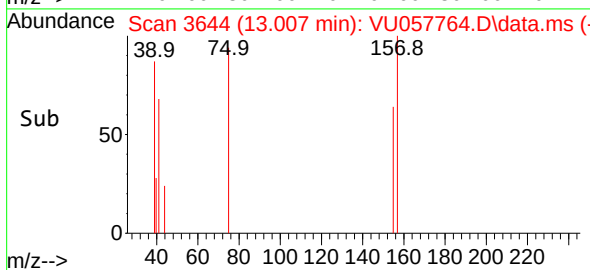
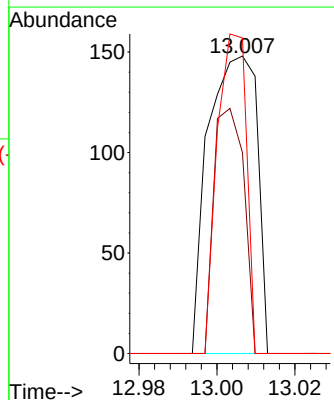
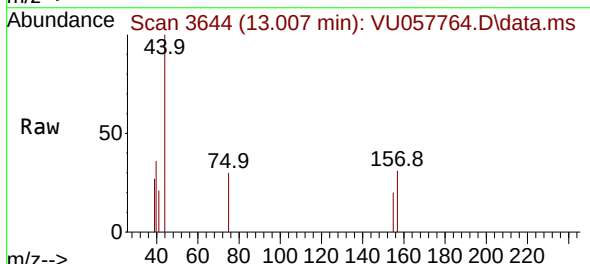
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

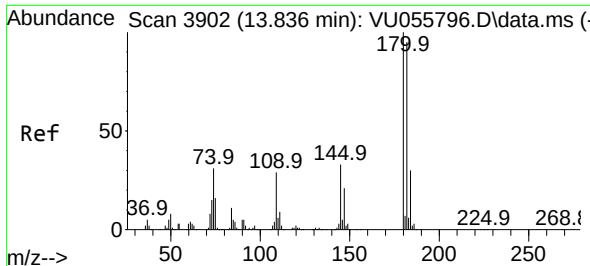
Tgt Ion:	91	Resp:	18563
Ion Ratio	Lower	Upper	
91	100		
92	49.7	40.8	61.2
134	22.7	18.4	27.6



#86
1,2-Dibromo-3-Chloropropane
Concen: 0.451 ug/l
RT: 13.007 min Scan# 3644
Delta R.T. 0.013 min
Lab File: VU057764.D
Acq: 31 Jan 2024 14:01

Tgt Ion:	75	Resp:	129
Ion Ratio	Lower	Upper	
75	100		
155	50.4	61.8	92.8#
157	64.3	80.2	120.4#

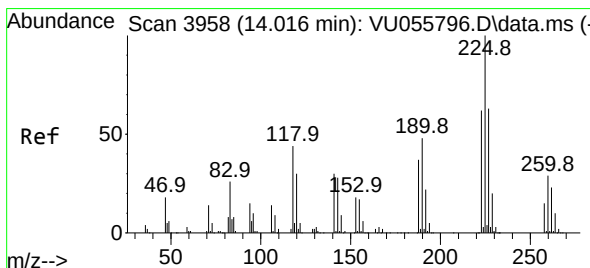
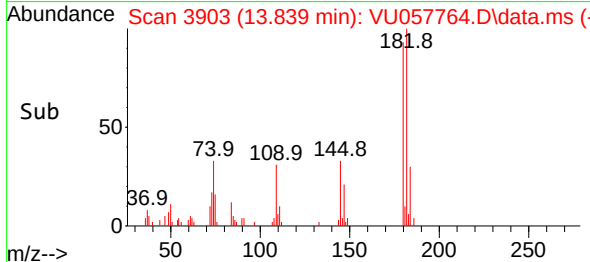
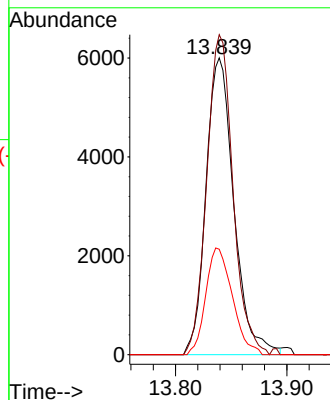
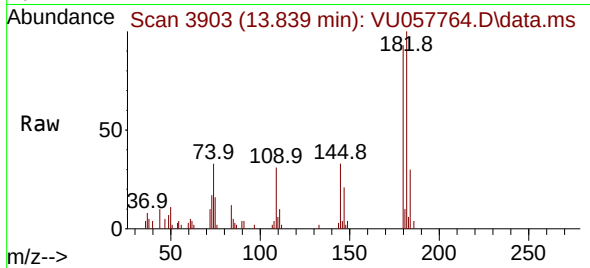




#87
1,2,4-Trichlorobenzene
Concen: 0.782 ug/l
RT: 13.839 min Scan# 3902
Delta R.T. 0.003 min
Lab File: VU057764.D
Acq: 31 Jan 2024 14:01

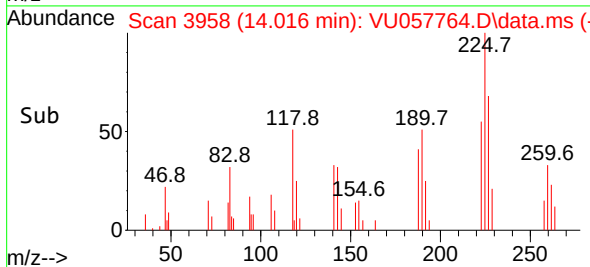
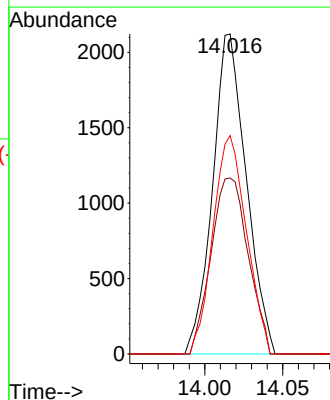
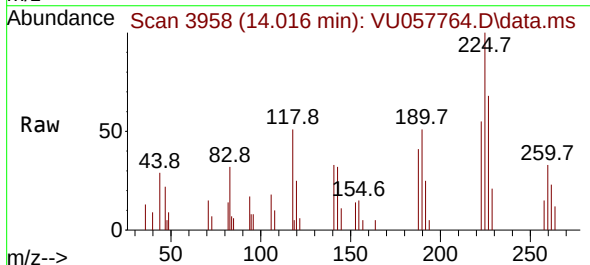
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

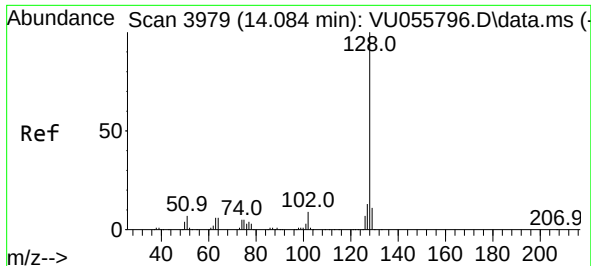
Tgt Ion:180 Resp: 10459
Ion Ratio Lower Upper
180 100
182 101.2 75.8 113.6
145 34.3 23.9 35.9



#88
Hexachlorobutadiene
Concen: 0.372 ug/l
RT: 14.016 min Scan# 3958
Delta R.T. 0.000 min
Lab File: VU057764.D
Acq: 31 Jan 2024 14:01

Tgt Ion:225 Resp: 3189
Ion Ratio Lower Upper
225 100
223 60.7 50.2 75.4
227 67.7 51.5 77.3

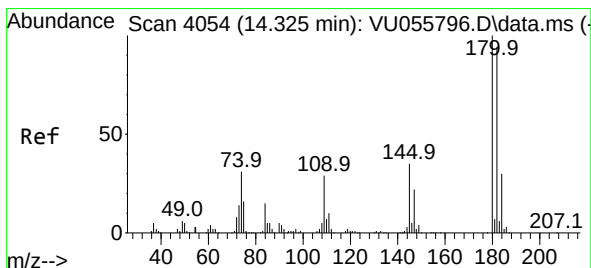
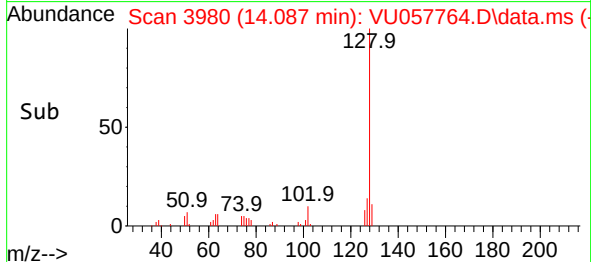
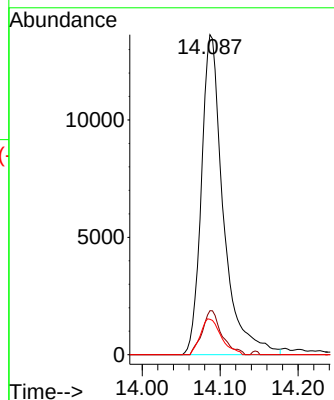
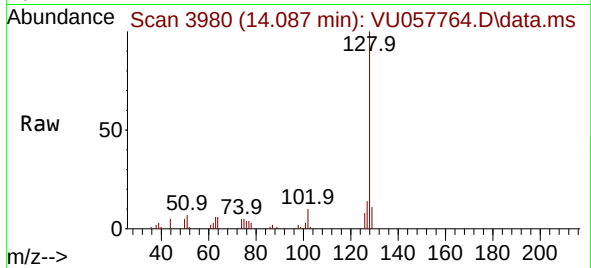




#89
Naphthalene
Concen: 1.327 ug/l
RT: 14.087 min Scan# 3979
Delta R.T. 0.003 min
Lab File: VU057764.D
Acq: 31 Jan 2024 14:01

Instrument :
MSVOA_U
ClientSampleId :
VIBLK

Tgt Ion:128	Resp:	26680
Ion Ratio	Lower	Upper
128	100	
127	12.2	10.9 16.3
129	10.6	8.6 12.8



#90
1,2,3-Trichlorobenzene
Concen: 1.008 ug/l
RT: 14.328 min Scan# 4055
Delta R.T. 0.003 min
Lab File: VU057764.D
Acq: 31 Jan 2024 14:01

Tgt Ion:180	Resp:	11211
Ion Ratio	Lower	Upper
180	100	
182	96.7	75.7 113.5
145	34.5	26.1 39.1

