

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012423\
 Data File : VU052791.D
 Acq On : 24 Jan 2023 15:00
 Operator : JC/MD
 Sample : IBLK
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0125

Quant Time: Jan 25 01:38:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U012323DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Jan 24 05:16:59 2023
 Response via : Initial Calibration

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

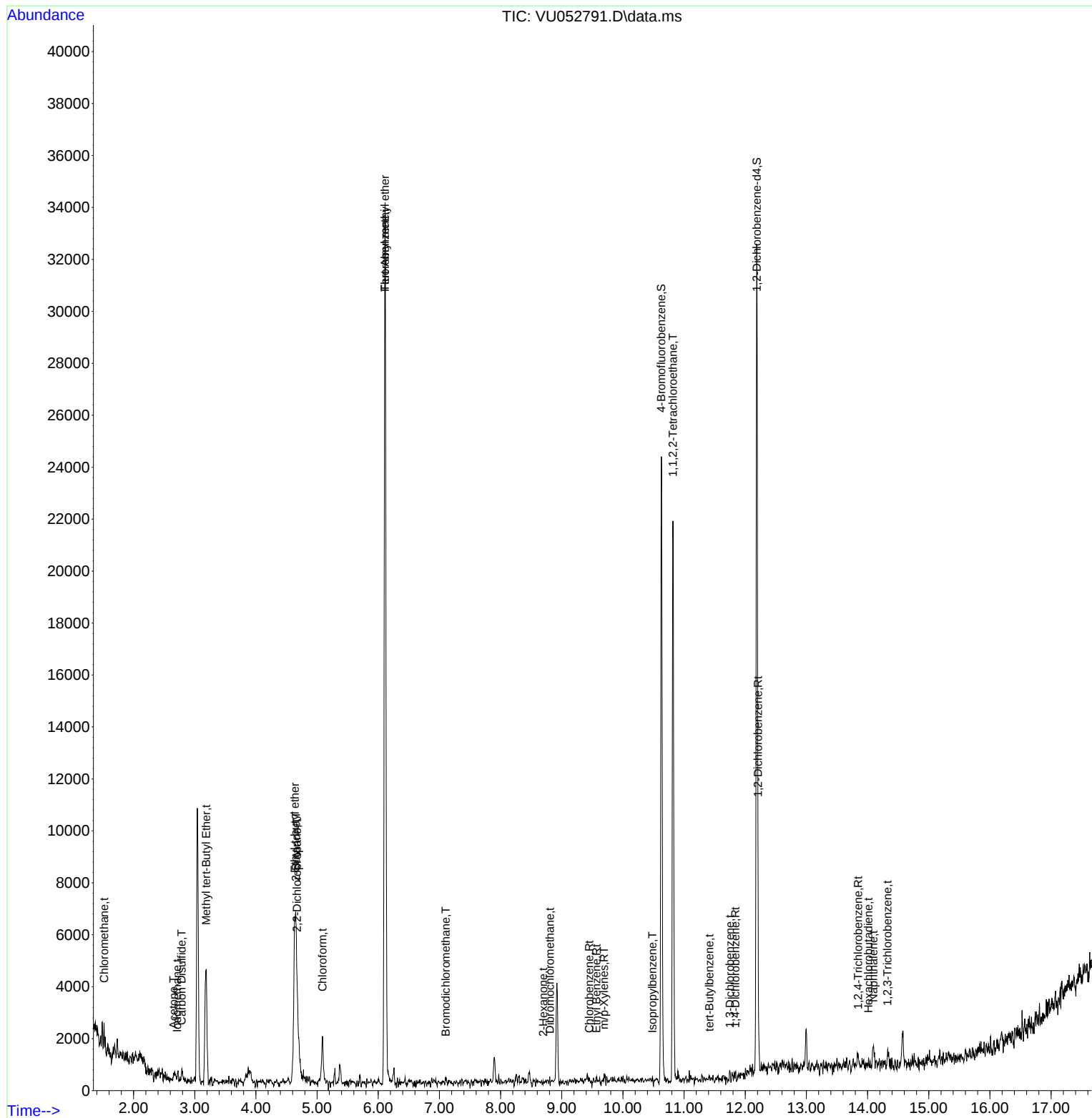
Internal Standards						
1) Fluorobenzene	6.112	96	32817	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.629	95	8079	0.740	ug/l	0.00
Spiked Amount 1.000			Recovery	=	74.000%	
68) 1,2-Dichlorobenzene-d4	12.188	152	9360	0.834	ug/l	0.00
Spiked Amount 1.000			Recovery	=	83.000%	
Target Compounds						
						Qvalue
3) Chloromethane	1.520	50	608	0.058	ug/l	# 80
10) Iodomethane	2.710	142	106	0.013	ug/l	# 1
13) Acetone	2.652	43	211	0.092	ug/l	# 39
14) Carbon Disulfide	2.787	76	495	0.019	ug/l	# 75
18) 2-Butanone	4.658	43	19	0.007	ug/l	# 76
21) 2,2-Dichloropropane	4.671	77	43	0.003	ug/l	# 55
25) Methyl tert-Butyl Ether	3.186	73	67	0.004	ug/l	# 1
27) Chloroform	5.089	83	1605	0.104	ug/l	# 93
32) Ethyl-t-butyl ether	4.636	59	193	0.010	ug/l	# 31
33) Tert-Amyl methyl ether	6.108	73	373	0.022	ug/l	# 56
44) Bromodichloromethane	7.102	83	193	0.016	ug/l	# 25
54) 2-Hexanone	8.697	43	23	0.006	ug/l	# 30
55) Dibromochloromethane	8.806	129	45	0.005	ug/l	# 11
59) Chlorobenzene	9.449	112	22	0.001	ug/l	# 43
63) Ethyl Benzene	9.565	91	142	0.004	ug/l	# 43
64) m/p-Xylenes	9.693	106	43	0.003	ug/l	# 1
69) Isopropylbenzene	10.481	105	21	0.001	ug/l	# 48
70) 1,1,2,2-Tetrachloroethane	10.819	83	233	0.029	ug/l	# 58
77) tert-Butylbenzene	11.414	119	41	0.001	ug/l	# 31
82) 1,3-Dichlorobenzene	11.751	146	201	0.011	ug/l	# 54
83) 1,4-Dichlorobenzene	11.841	146	210	0.011	ug/l	# 53
85) 1,2-Dichlorobenzene	12.208	146	167	0.009	ug/l	# 25
87) 1,2,4-Trichlorobenzene	13.844	180	248	0.023	ug/l	# 85
88) Hexachlorobutadiene	14.015	225	19	0.003	ug/l	# 19
89) Naphthalene	14.095	128	1454	0.070	ug/l	# 77
90) 1,2,3-Trichlorobenzene	14.327	180	361	0.035	ug/l	# 25

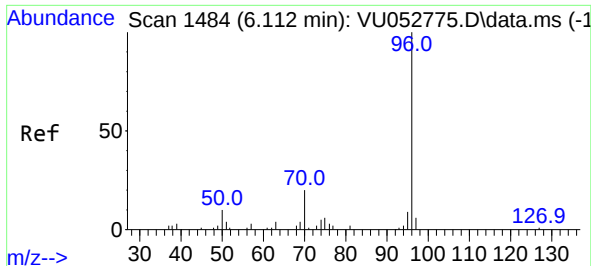
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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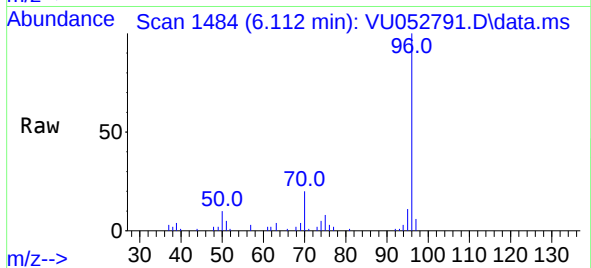
Quant Time: Jan 25 01:38:35 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U012323DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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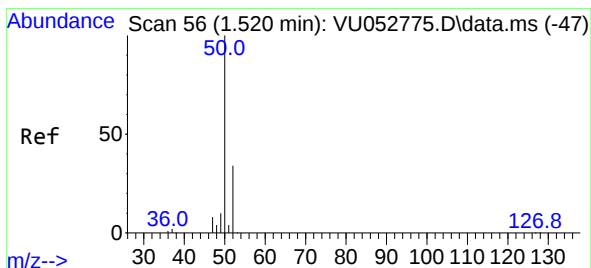
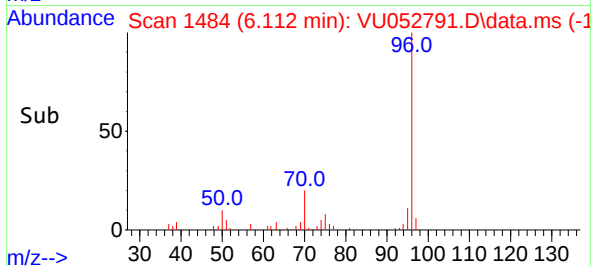
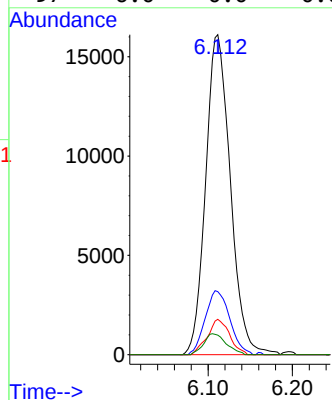
#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.112 min Scan# 1484
Delta R.T. -0.000 min
Lab File: VU052791.D
Acq: 24 Jan 2023 15:00

Instrument :
MSVOA_U
ClientSampleId :
VU0125



Tgt Ion: 96 Resp: 32817

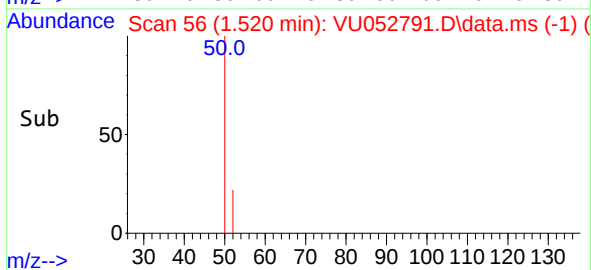
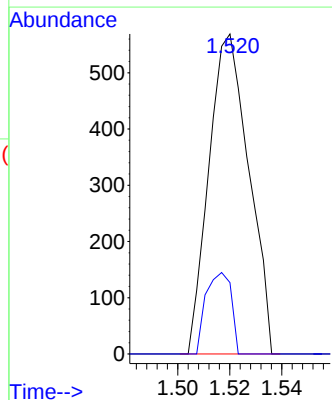
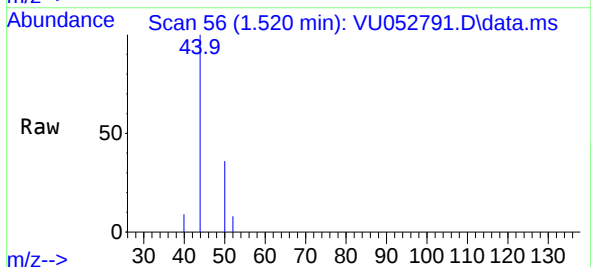
Ion	Ratio	Lower	Upper
96	100		
70	19.9	16.2	24.4
95	9.9	7.4	11.0
97	6.0	0.0	0.0

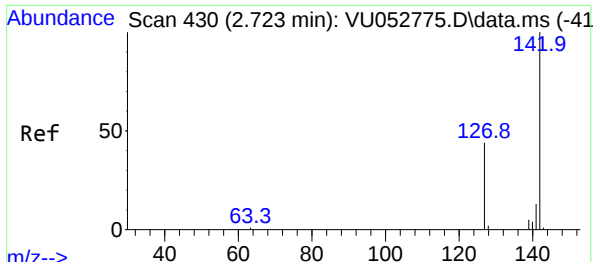


#3
Chloromethane
Concen: 0.058 ug/l
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU052791.D
Acq: 24 Jan 2023 15:00

Tgt Ion: 50 Resp: 608

Ion	Ratio	Lower	Upper
50	100		
52	22.3	26.8	40.2





#10

Iodomethane

Concen: 0.013 ug/l

RT: 2.710 min Scan# 41

Delta R.T. -0.013 min

Lab File: VU052791.D

Acq: 24 Jan 2023 15:00

Instrument :

MSVOA_U

ClientSampleId :

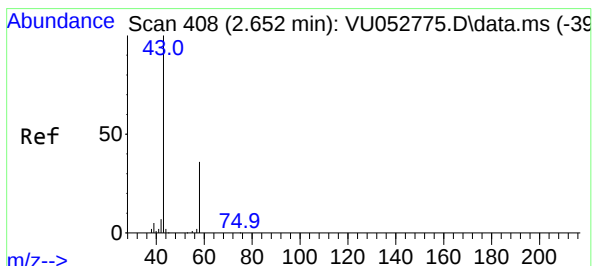
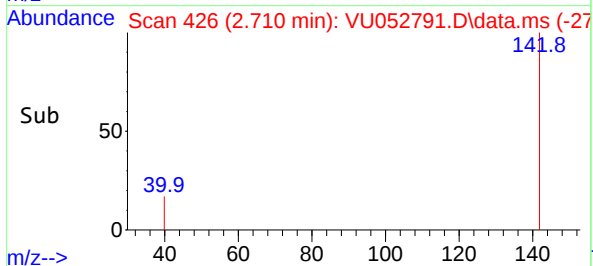
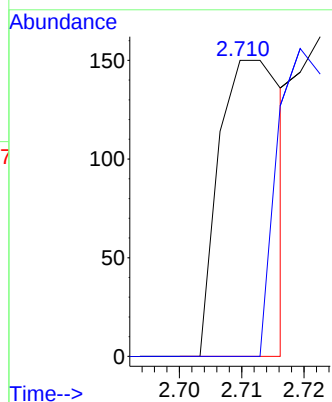
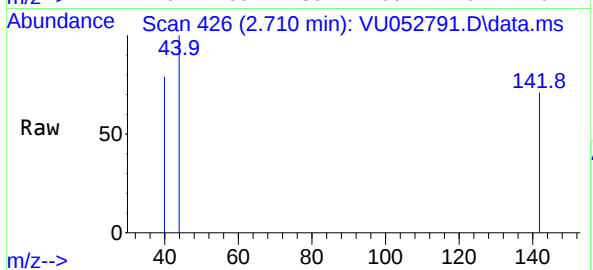
VU0125

Tgt Ion:142 Resp: 106

Ion Ratio Lower Upper

142 100

127 117.9 35.4 53.0#



#13

Acetone

Concen: 0.092 ug/l

RT: 2.652 min Scan# 408

Delta R.T. -0.000 min

Lab File: VU052791.D

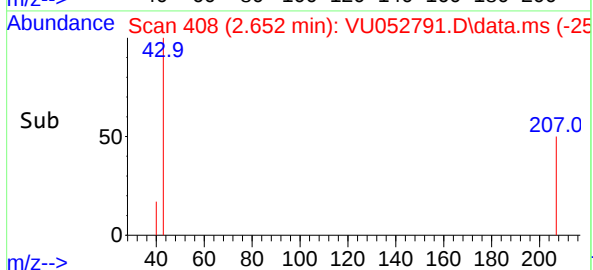
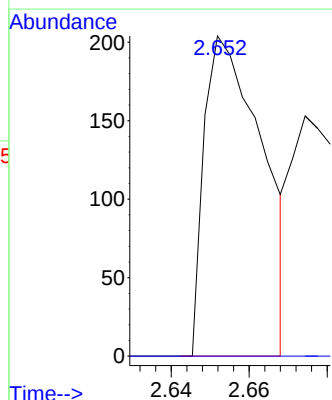
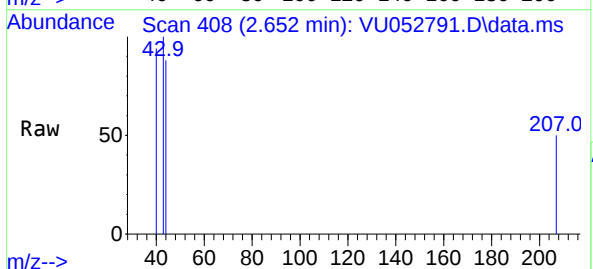
Acq: 24 Jan 2023 15:00

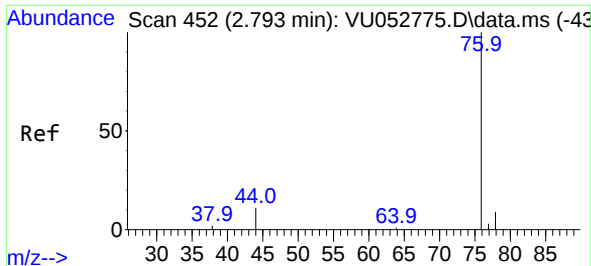
Tgt Ion: 43 Resp: 211

Ion Ratio Lower Upper

43 100

58 0.0 29.0 43.4#

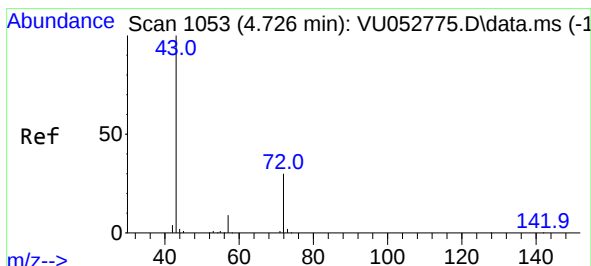
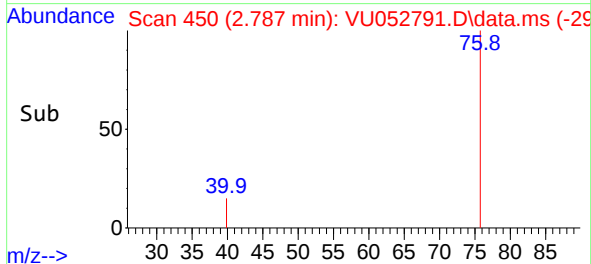
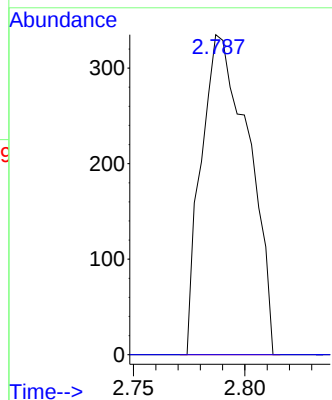
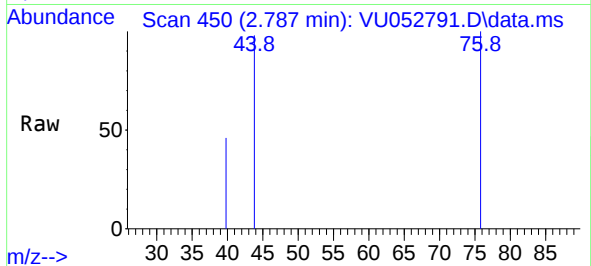




#14
Carbon Disulfide
Concen: 0.019 ug/l
RT: 2.787 min Scan# 41
Delta R.T. -0.007 min
Lab File: VU052791.D
Acq: 24 Jan 2023 15:00

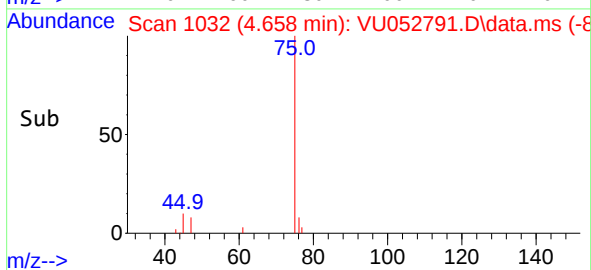
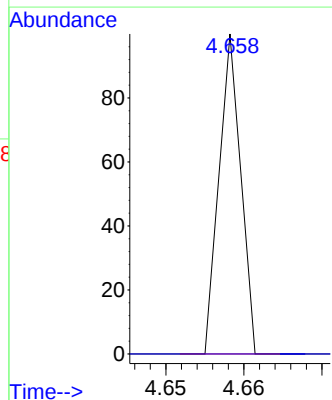
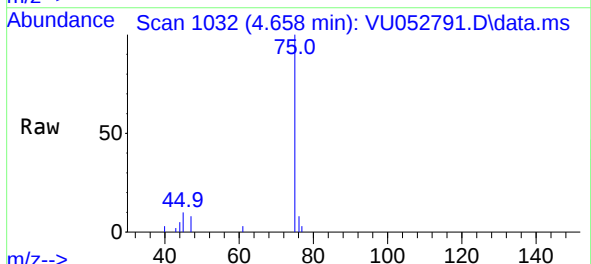
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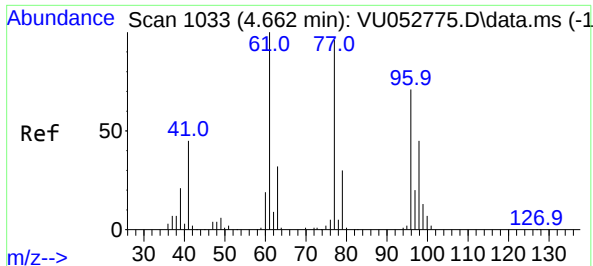
Tgt Ion: 76 Resp: 495
Ion Ratio Lower Upper
76 100
78 0.0 7.1 10.7#



#18
2-Butanone
Concen: 0.007 ug/l
RT: 4.658 min Scan# 1032
Delta R.T. -0.068 min
Lab File: VU052791.D
Acq: 24 Jan 2023 15:00

Tgt Ion: 43 Resp: 19
Ion Ratio Lower Upper
43 100
57 0.0 0.0 17.4

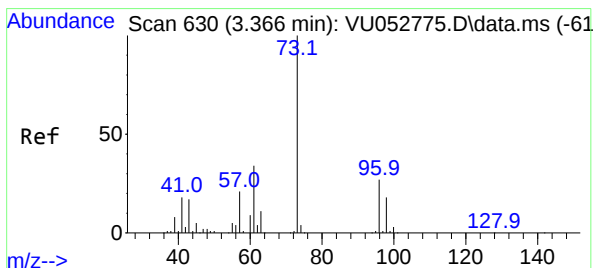
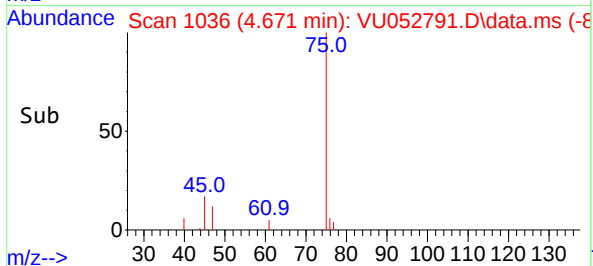
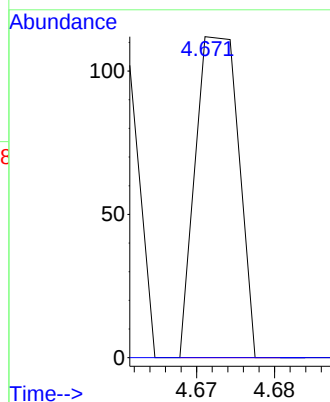
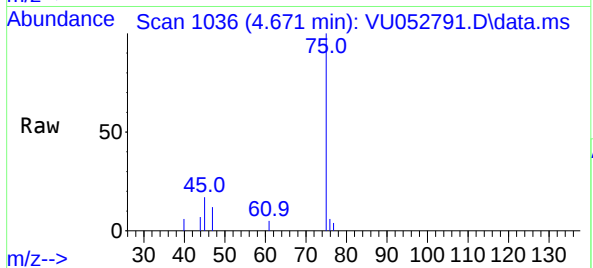




#21
2,2-Dichloropropane
Concen: 0.003 ug/l
RT: 4.671 min Scan# 1033
Delta R.T. 0.009 min
Lab File: VU052791.D
Acq: 24 Jan 2023 15:00

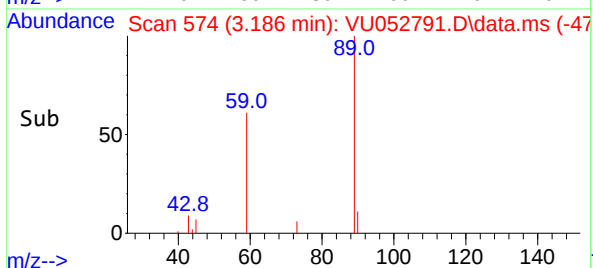
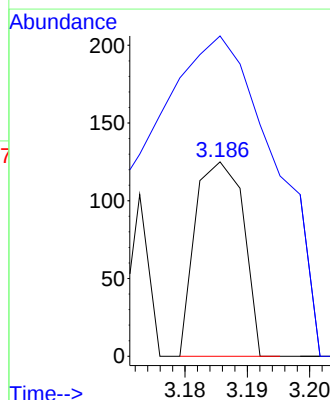
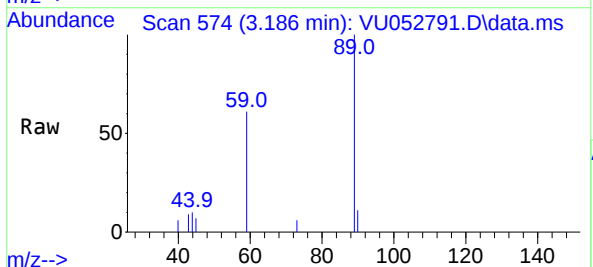
Instrument :
MSVOA_U
ClientSampleId :
VU0125

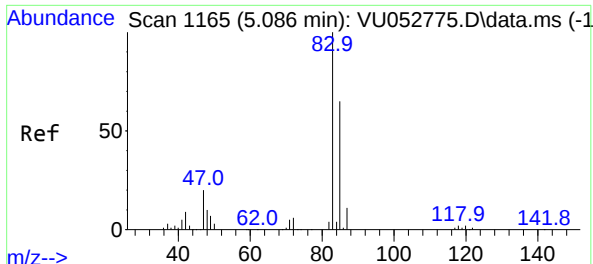
Tgt Ion: 77 Resp: 43
Ion Ratio Lower Upper
77 100
97 0.0 16.8 25.2#



#25
Methyl tert-Butyl Ether
Concen: 0.004 ug/l
RT: 3.186 min Scan# 574
Delta R.T. -0.180 min
Lab File: VU052791.D
Acq: 24 Jan 2023 15:00

Tgt Ion: 73 Resp: 67
Ion Ratio Lower Upper
73 100
43 506.0 15.3 22.9#





#27

Chloroform

Concen: 0.104 ug/l

RT: 5.089 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU052791.D

Acq: 24 Jan 2023 15:00

Instrument :

MSVOA_U

ClientSampleId :

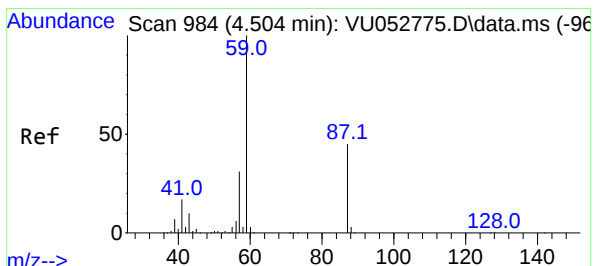
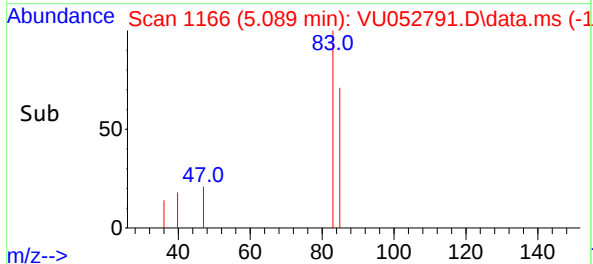
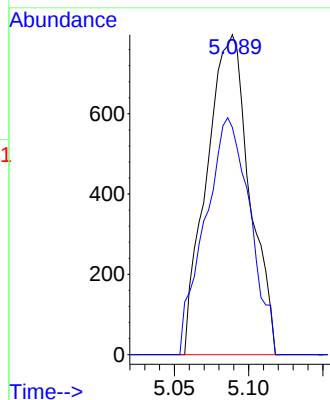
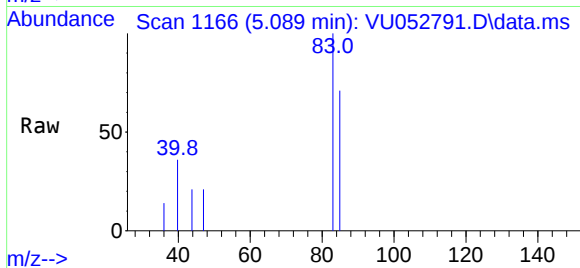
VU0125

Tgt Ion: 83 Resp: 1605

Ion Ratio Lower Upper

83 100

85 71.0 0.0 130.6



#32

Ethyl-t-butyl ether

Concen: 0.010 ug/l

RT: 4.636 min Scan# 1025

Delta R.T. 0.132 min

Lab File: VU052791.D

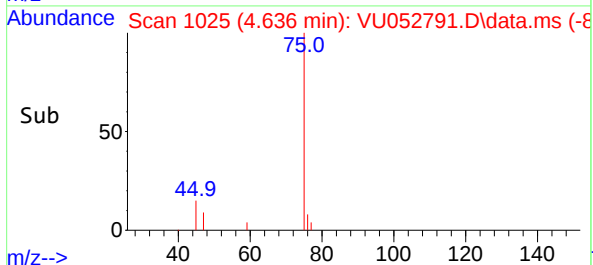
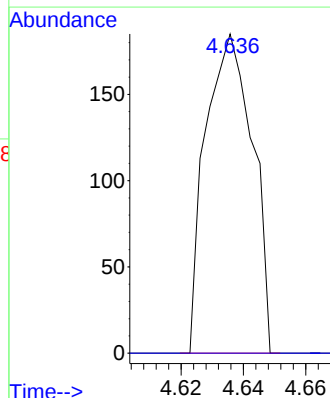
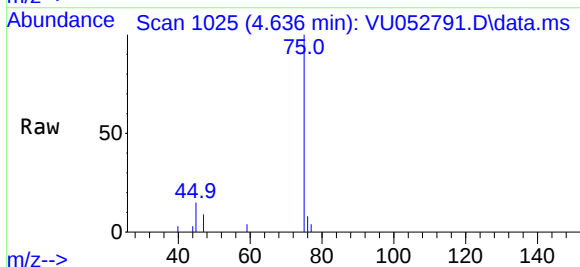
Acq: 24 Jan 2023 15:00

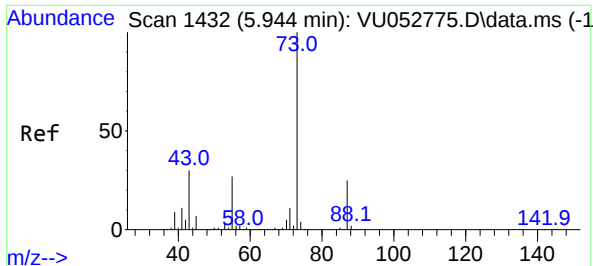
Tgt Ion: 59 Resp: 193

Ion Ratio Lower Upper

59 100

87 0.0 36.2 54.2#

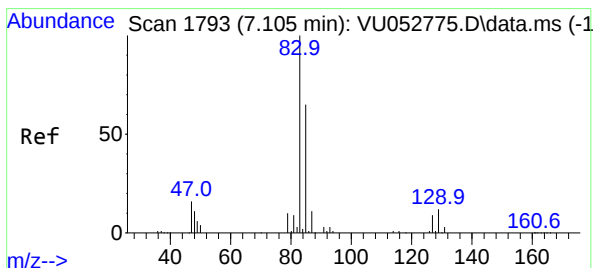
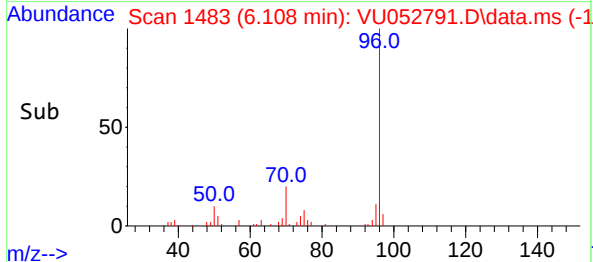
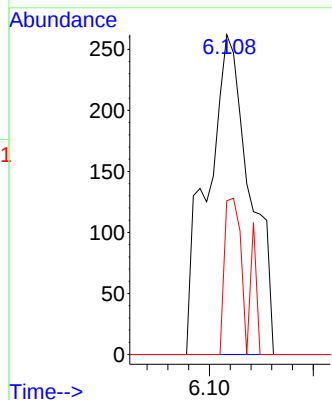
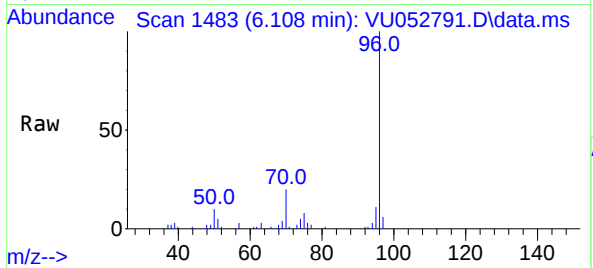




#33
Tert-Amyl methyl ether
Concen: 0.022 ug/l
RT: 6.108 min Scan# 1432
Delta R.T. 0.164 min
Lab File: VU052791.D
Acq: 24 Jan 2023 15:00

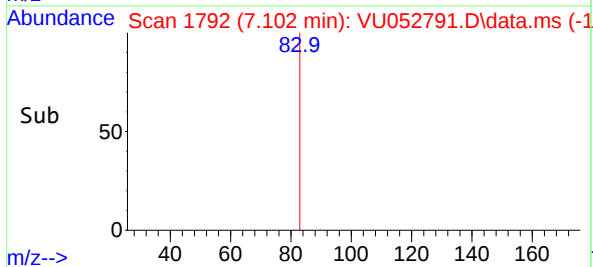
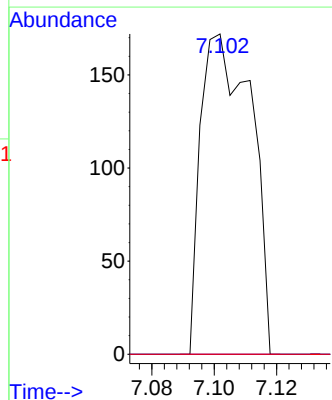
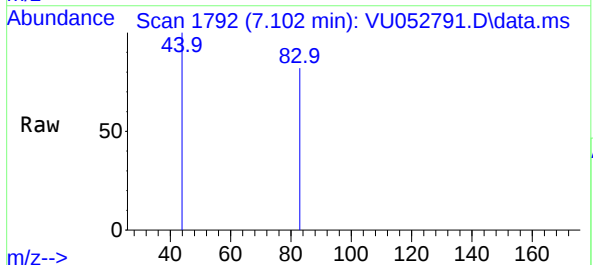
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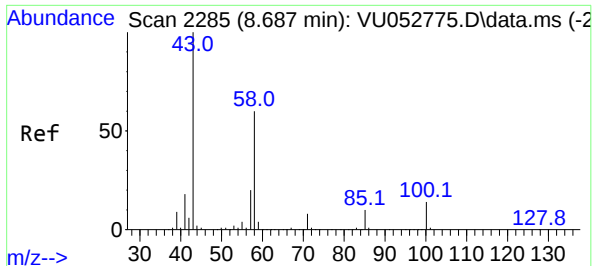
Tgt Ion: 73 Resp: 373
Ion Ratio Lower Upper
73 100
87 0.0 20.1 30.1#
71 23.9 9.2 13.8#



#44
Bromodichloromethane
Concen: 0.016 ug/l
RT: 7.102 min Scan# 1792
Delta R.T. -0.003 min
Lab File: VU052791.D
Acq: 24 Jan 2023 15:00

Tgt Ion: 83 Resp: 193
Ion Ratio Lower Upper
83 100
85 0.0 52.1 78.1#
127 0.0 7.2 10.8#

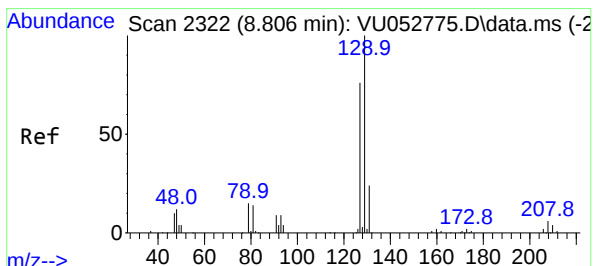
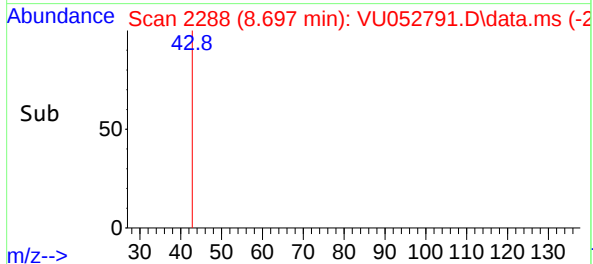
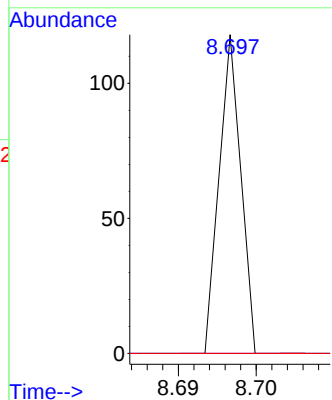
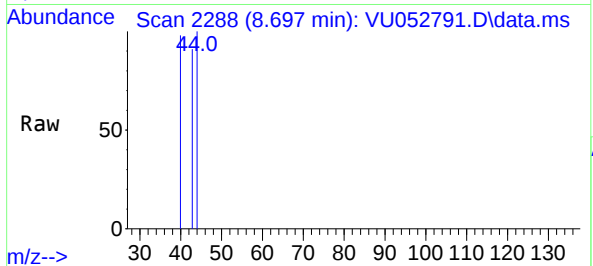




#54
2-Hexanone
Concen: 0.006 ug/l
RT: 8.697 min Scan# 21
Delta R.T. 0.009 min
Lab File: VU052791.D
Acq: 24 Jan 2023 15:00

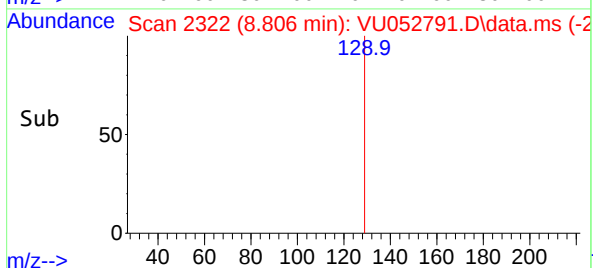
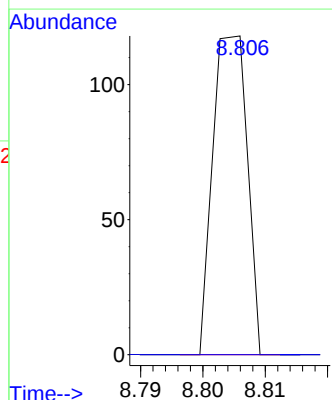
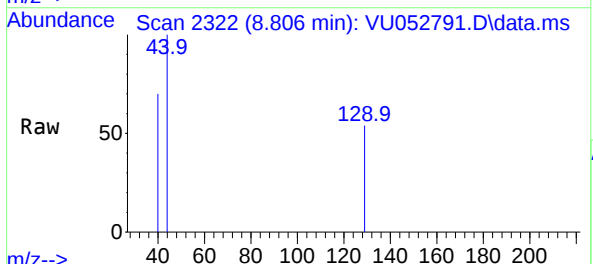
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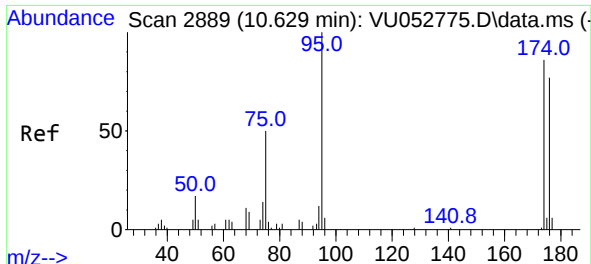
Tgt Ion: 43 Resp: 23
Ion Ratio Lower Upper
43 100
58 0.0 40.0 80.0#
57 0.0 0.6 40.6#



#55
Dibromochloromethane
Concen: 0.005 ug/l
RT: 8.806 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VU052791.D
Acq: 24 Jan 2023 15:00

Tgt Ion: 129 Resp: 45
Ion Ratio Lower Upper
129 100
127 0.0 61.5 92.3#

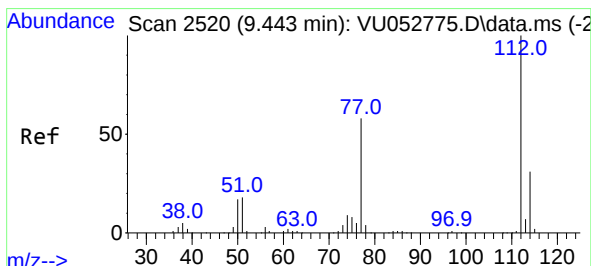
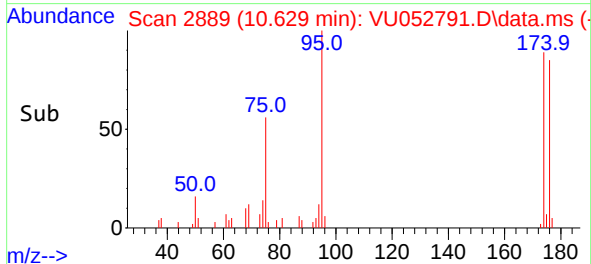
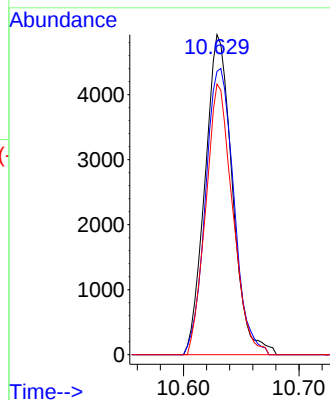
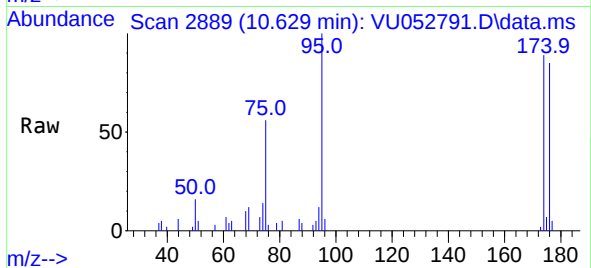




#57
4-Bromofluorobenzene
Concen: 0.740 ug/l
RT: 10.629 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU052791.D
Acq: 24 Jan 2023 15:00

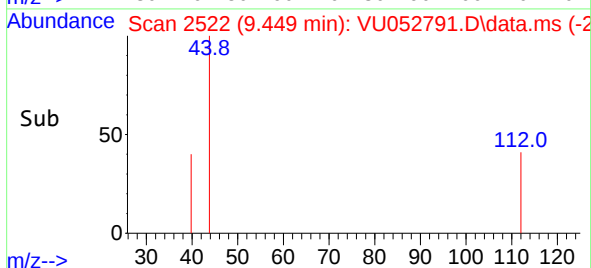
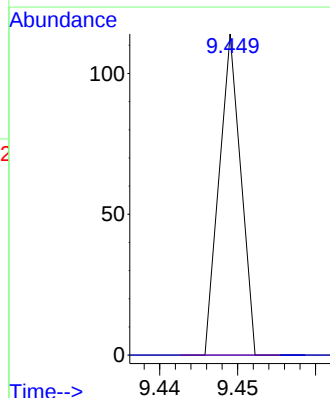
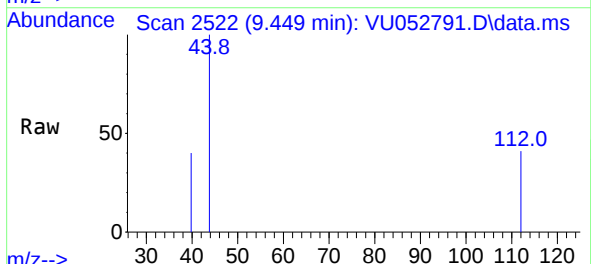
Instrument :
MSVOA_U
ClientSampleId :
VU0125

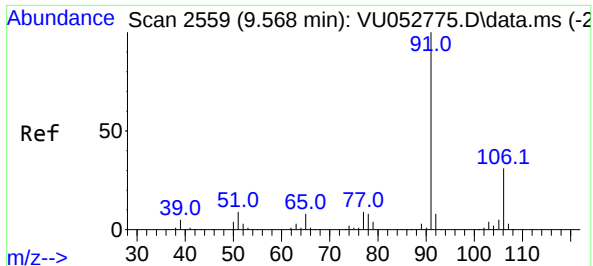
Tgt Ion: 95 Resp: 8079
Ion Ratio Lower Upper
95 100
174 92.6 66.9 100.3
176 83.3 61.9 92.9



#59
Chlorobenzene
Concen: 0.001 ug/l
RT: 9.449 min Scan# 2522
Delta R.T. 0.006 min
Lab File: VU052791.D
Acq: 24 Jan 2023 15:00

Tgt Ion: 112 Resp: 22
Ion Ratio Lower Upper
112 100
114 0.0 25.2 37.8#

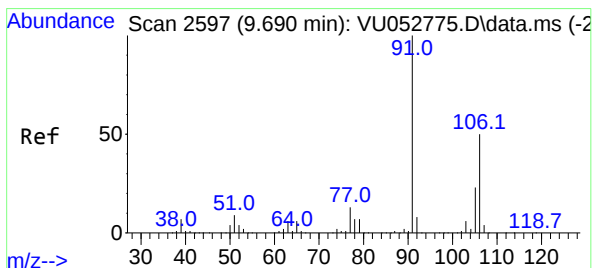
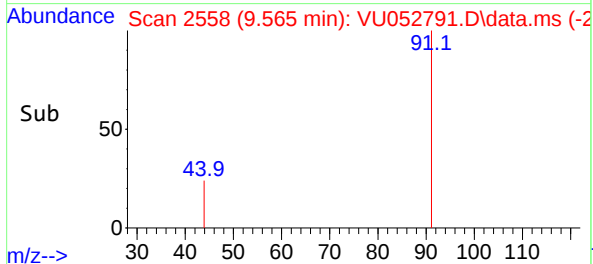
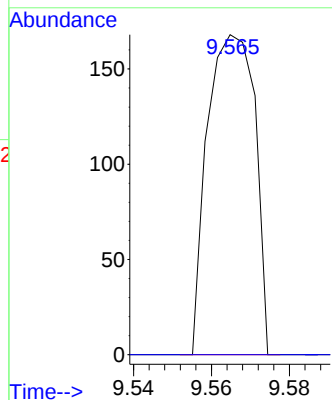
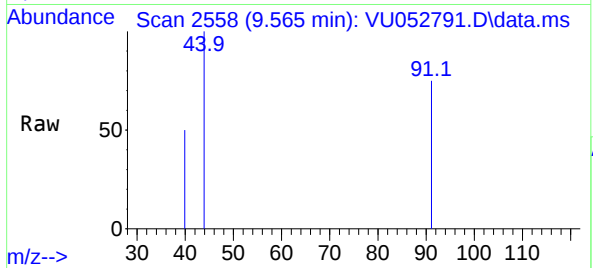




#63
Ethyl Benzene
Concen: 0.004 ug/l
RT: 9.565 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU052791.D
Acq: 24 Jan 2023 15:00

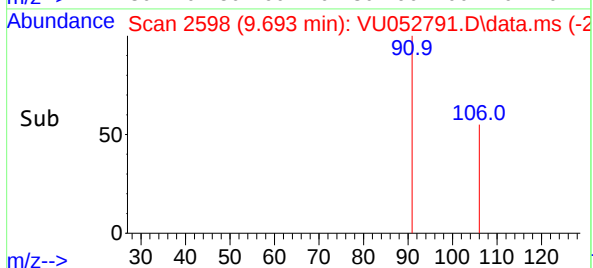
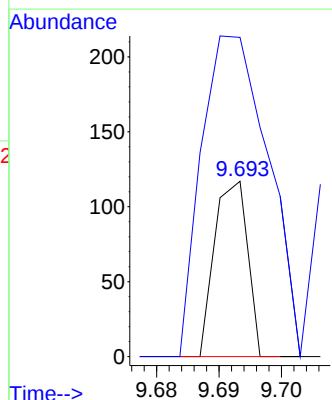
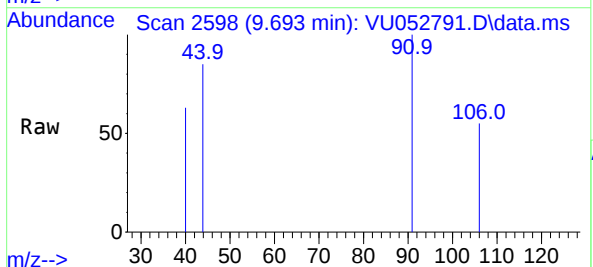
Instrument :
MSVOA_U
ClientSampleId :
VU0125

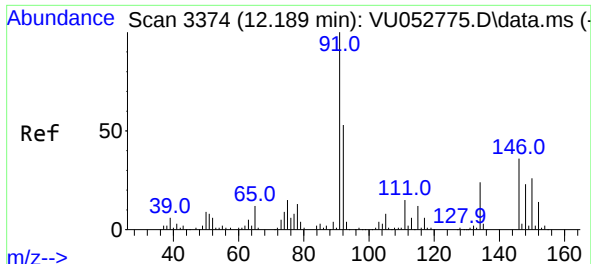
Tgt Ion: 91 Resp: 142
Ion Ratio Lower Upper
91 100
106 0.0 25.1 37.7#



#64
m/p-Xylenes
Concen: 0.003 ug/l
RT: 9.693 min Scan# 2598
Delta R.T. 0.003 min
Lab File: VU052791.D
Acq: 24 Jan 2023 15:00

Tgt Ion:106 Resp: 43
Ion Ratio Lower Upper
106 100
91 369.8 158.7 238.1#

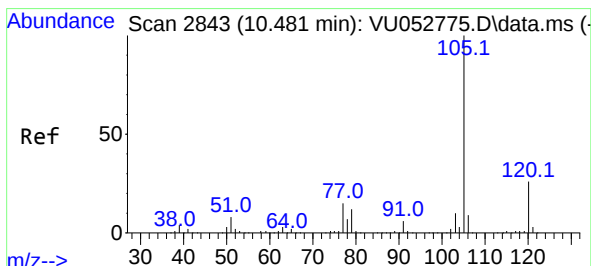
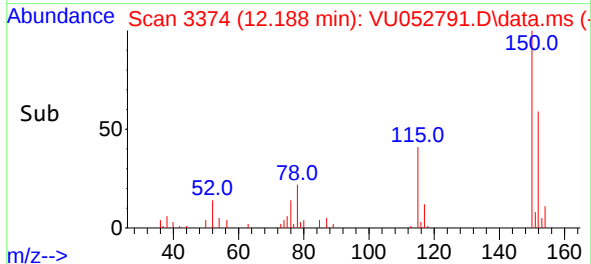
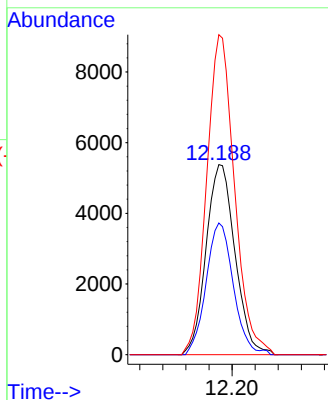
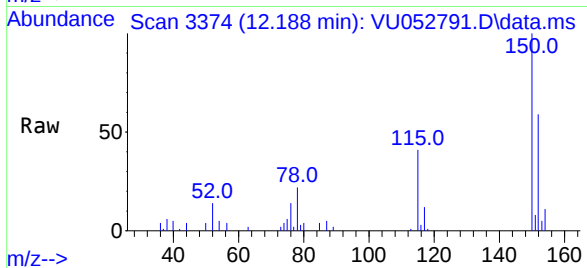




#68
 1,2-Dichlorobenzene-d4
 Concen: 0.834 ug/l
 RT: 12.188 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU052791.D
 Acq: 24 Jan 2023 15:00

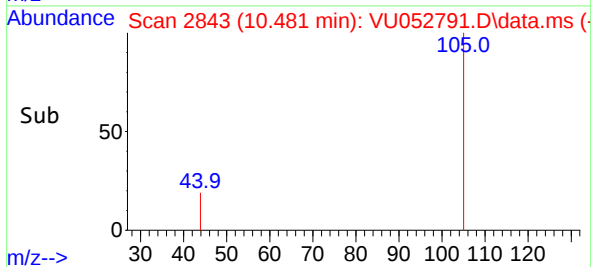
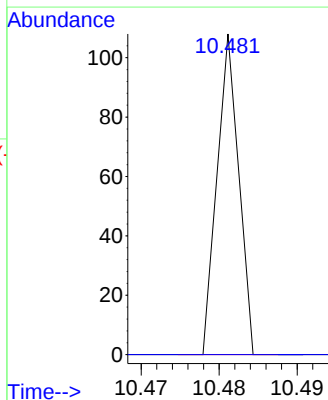
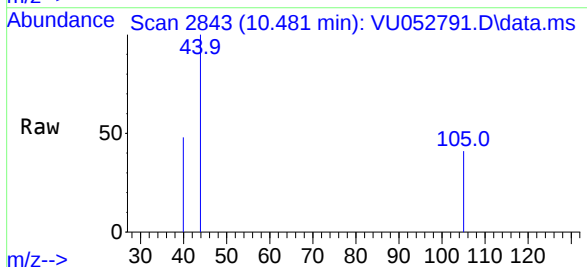
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0125

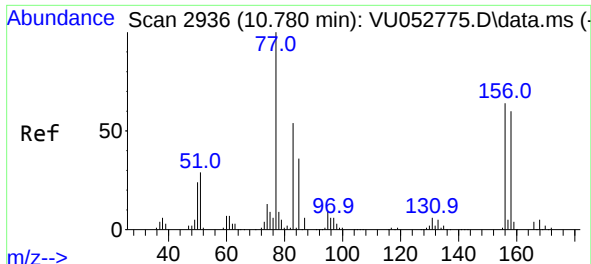
Tgt Ion:152 Resp: 9360
 Ion Ratio Lower Upper
 152 100
 115 65.1 0.0 262.6
 150 161.5 0.0 638.0



#69
 Isopropylbenzene
 Concen: 0.001 ug/l
 RT: 10.481 min Scan# 2843
 Delta R.T. 0.000 min
 Lab File: VU052791.D
 Acq: 24 Jan 2023 15:00

Tgt Ion:105 Resp: 21
 Ion Ratio Lower Upper
 105 100
 120 0.0 13.3 39.9#

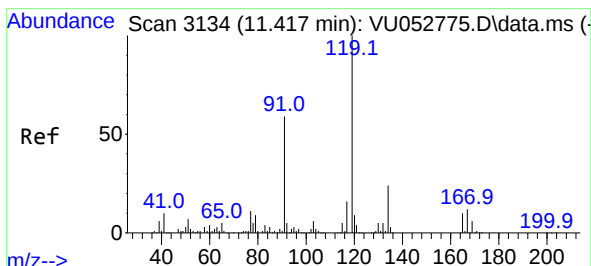
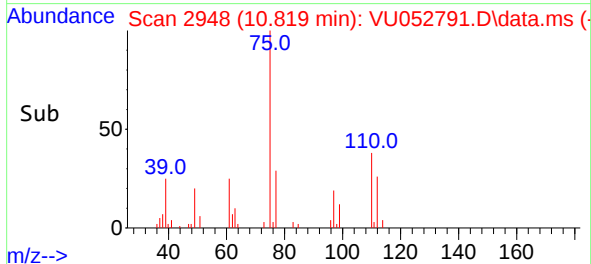
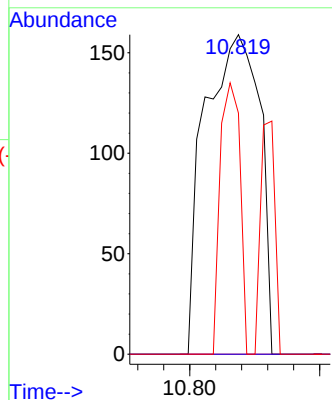
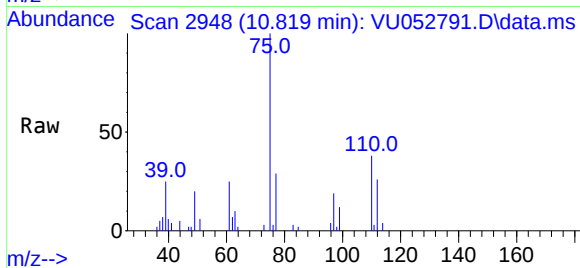




#70
1,1,2,2-Tetrachloroethane
Concen: 0.029 ug/l
RT: 10.819 min Scan# 2936
Delta R.T. 0.038 min
Lab File: VU052791.D
Acq: 24 Jan 2023 15:00

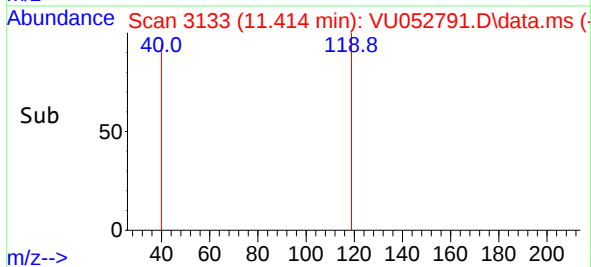
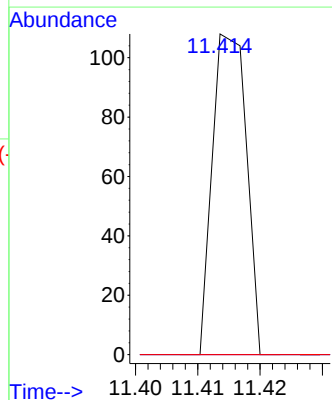
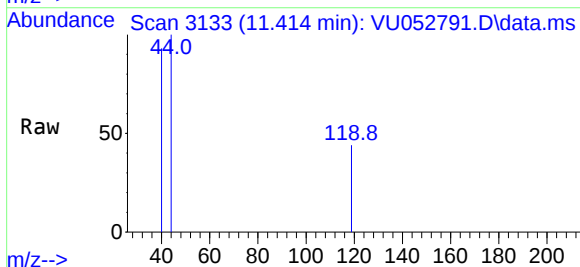
Instrument :
MSVOA_U
ClientSampleId :
VU0125

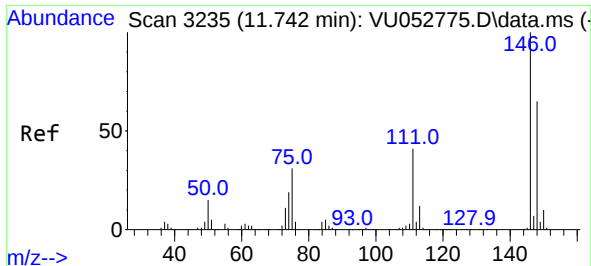
Tgt Ion: 83 Resp: 233
Ion Ratio Lower Upper
83 100
131 0.0 8.6 13.0#
85 30.5 52.6 78.8#



#77
tert-Butylbenzene
Concen: 0.001 ug/l
RT: 11.414 min Scan# 3133
Delta R.T. -0.003 min
Lab File: VU052791.D
Acq: 24 Jan 2023 15:00

Tgt Ion: 119 Resp: 41
Ion Ratio Lower Upper
119 100
91 0.0 28.4 85.3#
134 0.0 18.6 27.8#





#82

1,3-Dichlorobenzene

Concen: 0.011 ug/l

RT: 11.751 min Scan# 3238

Delta R.T. 0.009 min

Lab File: VU052791.D

Acq: 24 Jan 2023 15:00

Instrument :

MSVOA_U

ClientSampleId :

VU0125

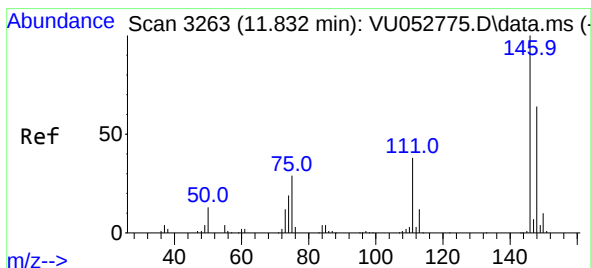
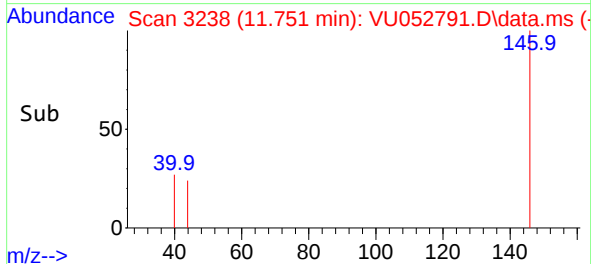
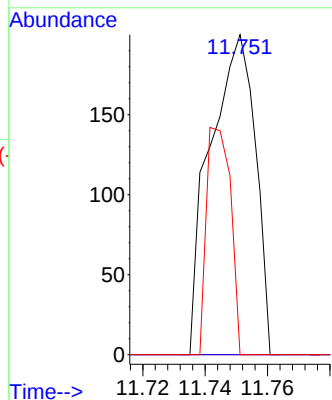
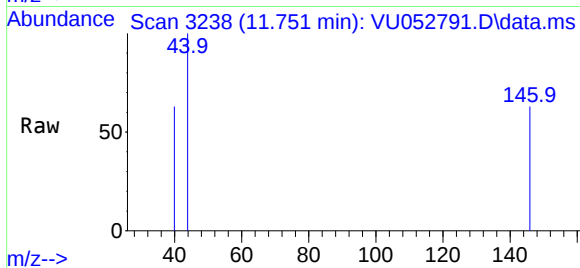
Tgt Ion:146 Resp: 201

Ion Ratio Lower Upper

146 100

111 0.0 32.6 48.8#

148 37.8 51.9 77.9#



#83

1,4-Dichlorobenzene

Concen: 0.011 ug/l

RT: 11.841 min Scan# 3266

Delta R.T. 0.009 min

Lab File: VU052791.D

Acq: 24 Jan 2023 15:00

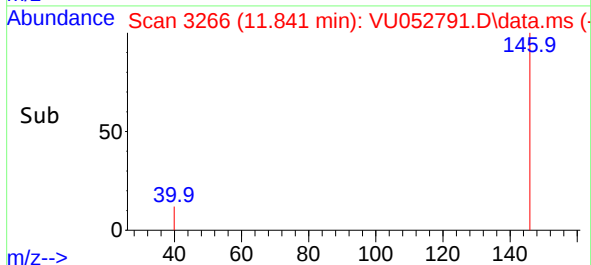
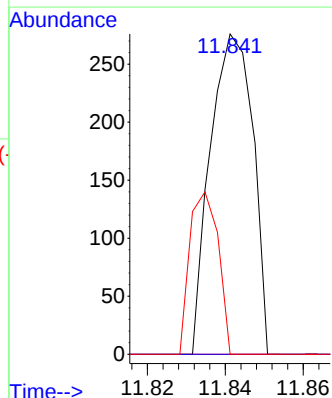
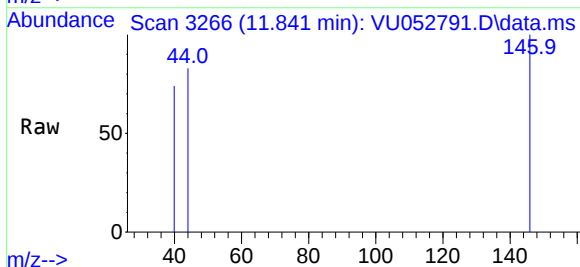
Tgt Ion:146 Resp: 210

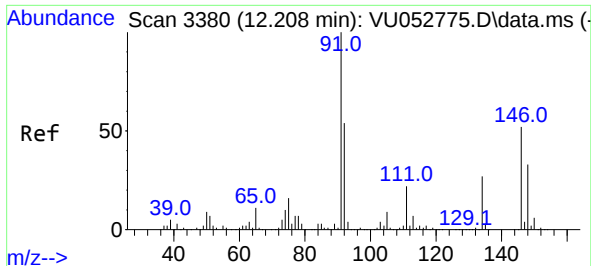
Ion Ratio Lower Upper

146 100

111 0.0 29.5 44.3#

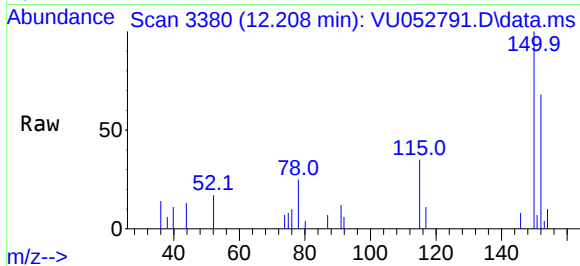
148 33.8 51.4 77.0#



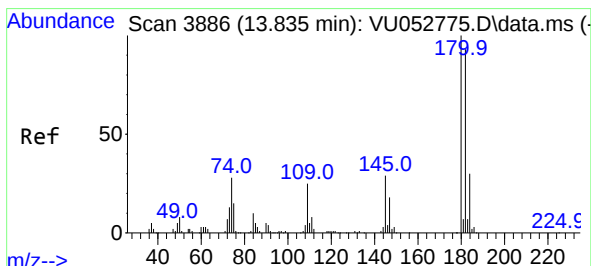
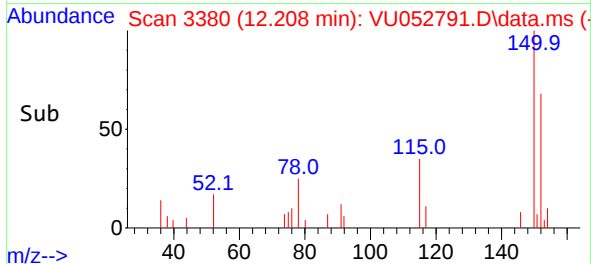
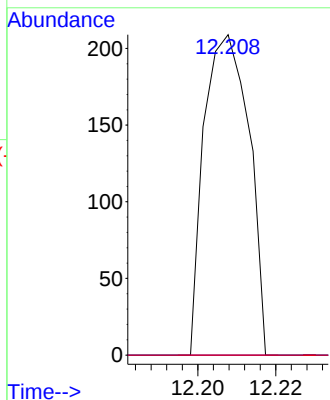


#85
1,2-Dichlorobenzene
Concen: 0.009 ug/l
RT: 12.208 min Scan# 311
Delta R.T. -0.000 min
Lab File: VU052791.D
Acq: 24 Jan 2023 15:00

Instrument :
MSVOA_U
ClientSampleId :
VU0125

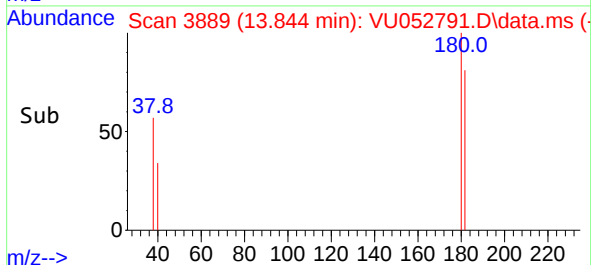
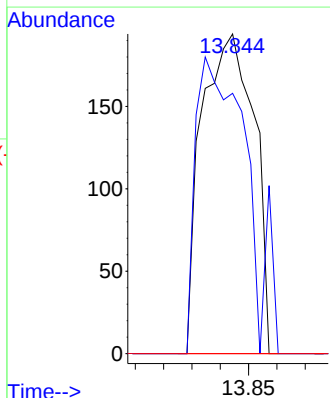
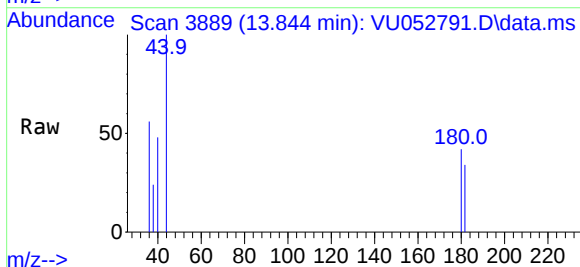


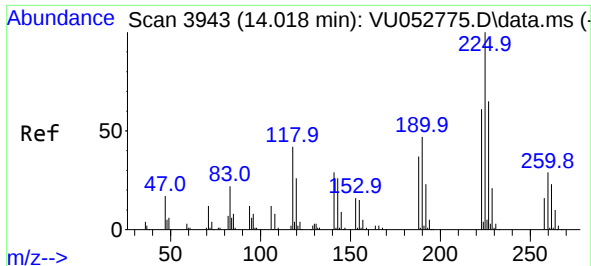
Tgt Ion:146 Resp: 167
Ion Ratio Lower Upper
146 100
111 0.0 20.8 62.5#
148 0.0 31.4 94.2#



#87
1,2,4-Trichlorobenzene
Concen: 0.023 ug/l
RT: 13.844 min Scan# 3889
Delta R.T. 0.009 min
Lab File: VU052791.D
Acq: 24 Jan 2023 15:00

Tgt Ion:180 Resp: 248
Ion Ratio Lower Upper
180 100
182 90.7 74.6 112.0
145 0.0 23.4 35.0#

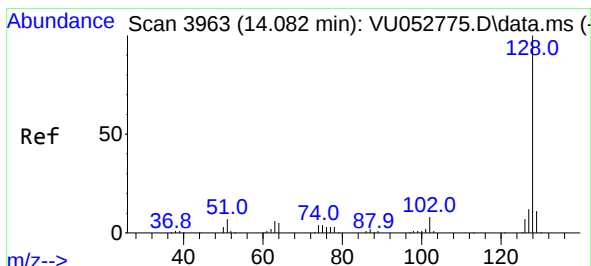
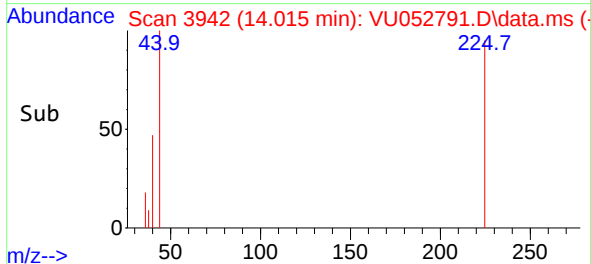
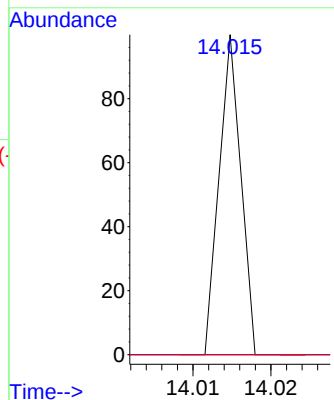
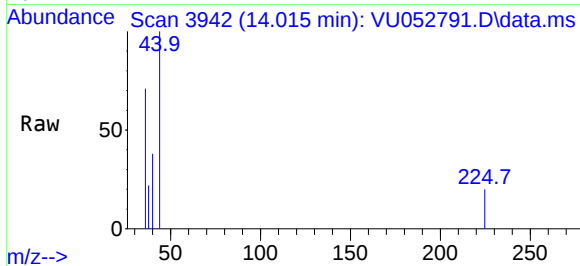




#88
Hexachlorobutadiene
Concen: 0.003 ug/l
RT: 14.015 min Scan# 3943
Delta R.T. -0.003 min
Lab File: VU052791.D
Acq: 24 Jan 2023 15:00

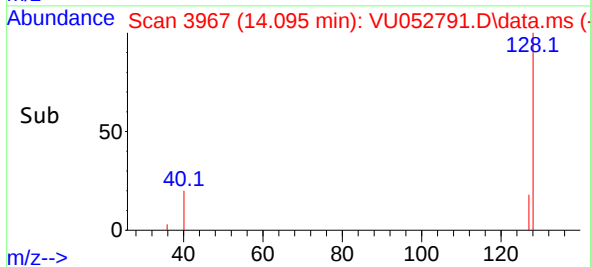
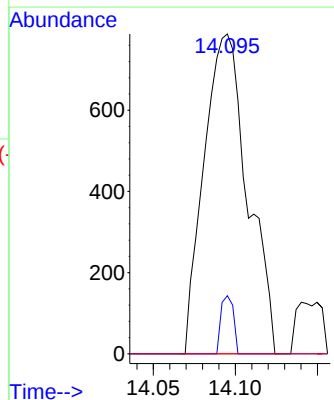
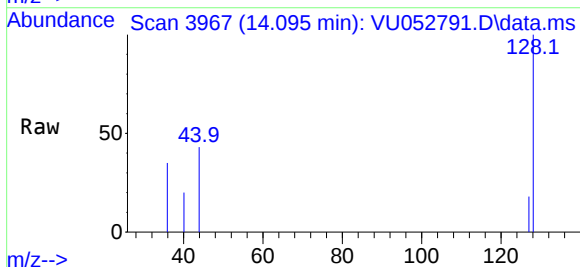
Instrument :
MSVOA_U
ClientSampleId :
VU0125

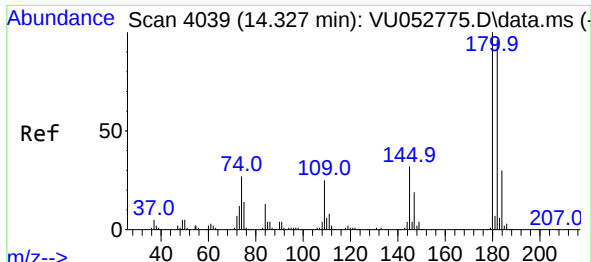
Tgt Ion:225 Resp: 19
Ion Ratio Lower Upper
225 100
223 0.0 49.8 74.6#
227 0.0 51.5 77.3#



#89
Naphthalene
Concen: 0.070 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.013 min
Lab File: VU052791.D
Acq: 24 Jan 2023 15:00

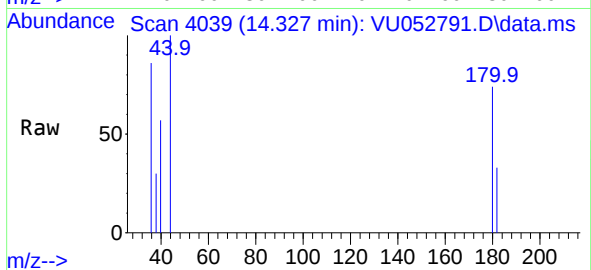
Tgt Ion:128 Resp: 1454
Ion Ratio Lower Upper
128 100
127 5.2 10.2 15.4#
129 0.0 8.6 12.8#





#90
 1,2,3-Trichlorobenzene
 Concen: 0.035 ug/l
 RT: 14.327 min Scan# 4039
 Delta R.T. -0.000 min
 Lab File: VU052791.D
 Acq: 24 Jan 2023 15:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0125



Tgt Ion:180 Resp: 361
 Ion Ratio Lower Upper
 180 100
 182 17.5 77.8 116.6#
 145 0.0 25.2 37.8#

