

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041923\
 Data File : VU053780.D
 Acq On : 19 Apr 2023 13:32
 Operator : JC/MD
 Sample : VIBLK
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK

Quant Time: Apr 20 08:10:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U041923DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Apr 20 08:05:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.108	96	30259	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	10519	0.954	ug/l	0.00
Spiked Amount 1.000			Recovery	=	95.000%	
68) 1,2-Dichlorobenzene-d4	12.192	152	11817	1.027	ug/l	0.00
Spiked Amount 1.000			Recovery	=	103.000%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.523	50	411	0.039	ug/l	# 41
4) Vinyl Chloride	1.604	62	213	0.019	ug/l	96
5) Bromomethane	1.845	94	732	0.077	ug/l	86
6) Chloroethane	1.951	64	35	0.005	ug/l	# 42
7) Trichlorofluoromethane	2.134	101	108	0.006	ug/l	# 18
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	20	0.002	ug/l	# 22
9) 1,1-Dichloroethene	2.575	96	352	0.044	ug/l	41
10) Iodomethane	2.729	142	346	0.042	ug/l	# 83
11) Allyl Chloride	2.996	41	96	0.011	ug/l	91
12) Acrylonitrile	3.308	53	193	0.118	ug/l	# 47
14) Carbon Disulfide	2.784	76	854	0.038	ug/l	# 1
15) Methylene Chloride	3.044	84	3040	0.160	ug/l	# 82
16) trans-1,2-Dichloroethene	3.346	96	355	0.042	ug/l	# 49
17) 1,1-Dichloroethane	3.864	63	237	0.015	ug/l	# 83
18) 2-Butanone	4.723	43	276	0.085	ug/l	73
19) Cyclohexane	5.372	56	365	0.030	ug/l	# 56
20) Methylcyclohexane	6.764	83	344	0.023	ug/l	# 57
21) 2,2-Dichloropropane	4.652	77	70	0.005	ug/l	# 53
22) cis-1,2-Dichloroethene	4.665	96	273	0.030	ug/l	69
26) Bromochloromethane	4.973	128	21	0.005	ug/l	# 59
27) Chloroform	5.083	83	375	0.023	ug/l	81
28) 1,1,1-Trichloroethane	5.305	97	120	0.009	ug/l	86
29) 1,1-Dichloropropene	5.520	75	247	0.022	ug/l	# 63
30) Carbon Tetrachloride	5.314	117	41	0.004	ug/l	# 12
31) Isopropyl Ether	3.986	45	440	0.020	ug/l	91
33) Tert-Amyl methyl ether	6.115	73	416	0.022	ug/l	# 49
34) Propionitrile	4.768	54	21	0.038	ug/l	# 1
35) Benzene	5.774	78	1202	0.036	ug/l	# 85
36) 1,2-Dichloroethane	5.777	62	121	0.012	ug/l	# 75
37) Trichloroethene	6.533	130	345	0.040	ug/l	99
38) 1,2-Dichloropropane	6.800	63	42	0.005	ug/l	# 44
39) Methacrylonitrile	4.960	41	235	0.104	ug/l	# 23
40) Methyl acrylate	4.854	55	334	0.081	ug/l	# 70
42) 1-Chlorobutane	5.372	56	365	0.024	ug/l	73
44) Bromodichloromethane	7.108	83	150	0.014	ug/l	# 24
46) t-1,4-Dichloro-2-butene	10.828	75	380	0.160	ug/l	# 17
47) Methyl methacrylate	6.970	69	71	0.018	ug/l	# 37
48) Ethyl methacrylate	8.337	69	280	0.037	ug/l	# 52
49) Toluene	7.967	92	1282	0.062	ug/l	93
50) t-1,3-Dichloropropene	8.211	75	169	0.017	ug/l	# 43
51) cis-1,3-Dichloropropene	7.610	75	152	0.013	ug/l	# 38
52) 1,1,2-Trichloroethane	8.398	97	85	0.014	ug/l	# 16
53) 1,3-Dichloropropane	8.587	76	181	0.017	ug/l	# 42

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 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

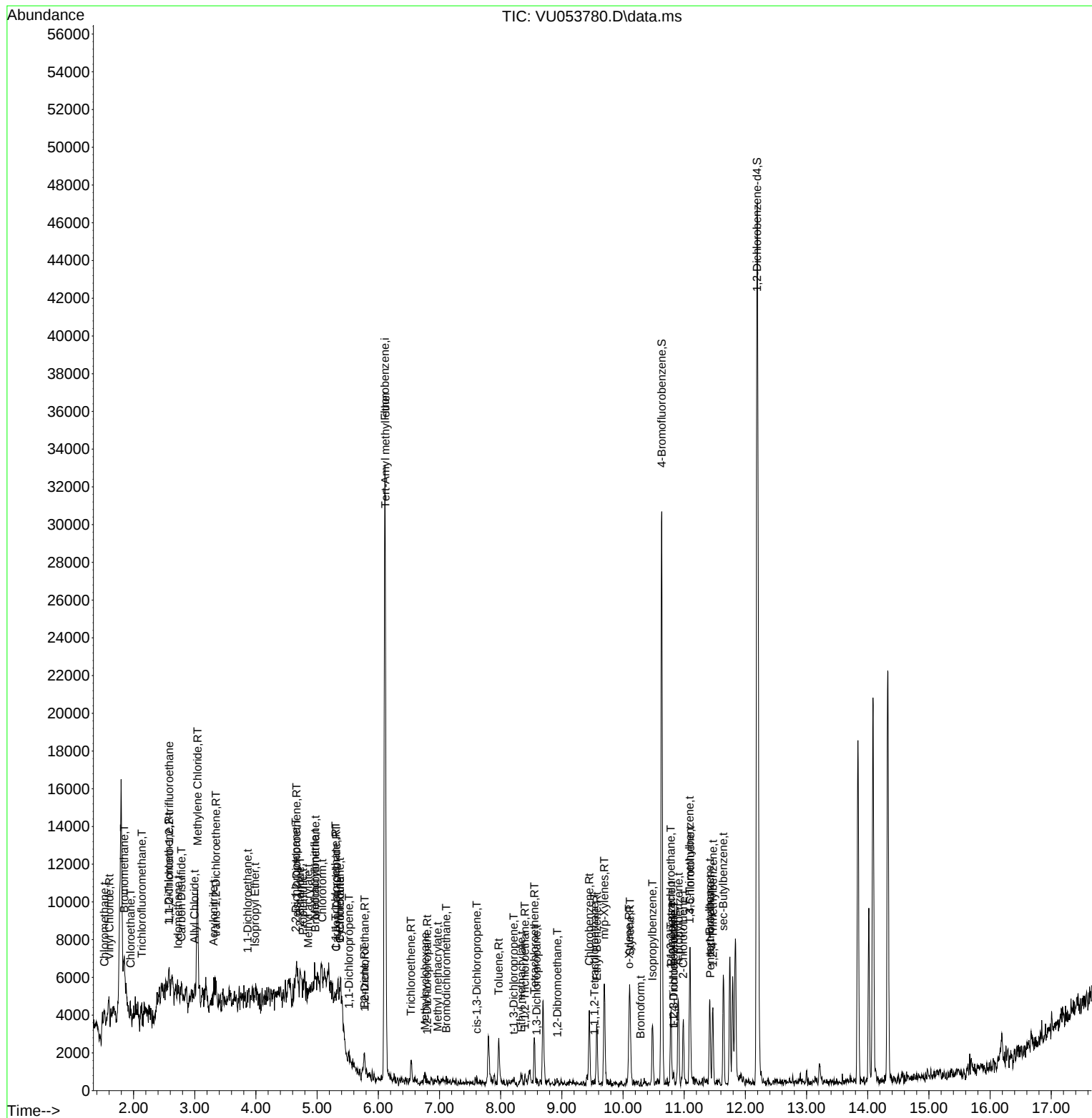
56) 1,2-Dibromoethane	8.925	107	90	0.016	ug/l	55
58) Tetrachloroethene	8.552	164	612	0.076	ug/l	93
59) Chlorobenzene	9.449	112	2448	0.105	ug/l	95
60) 1,1,1,2-Tetrachloroethane	9.533	131	87	0.012	ug/l #	21
61) Pentachloroethane	11.426	117	267	0.050	ug/l #	14
63) Ethyl Benzene	9.571	91	2992	0.074	ug/l	94
64) m/p-Xylenes	9.693	106	2055	0.132	ug/l	85
65) o-Xylene	10.099	106	1068	0.070	ug/l	91
66) Styrene	10.115	104	2023	0.086	ug/l	99
67) Bromoform	10.285	173	70	0.023	ug/l #	36
69) Isopropylbenzene	10.481	105	2485	0.062	ug/l	95
70) 1,1,2,2-Tetrachloroethane	10.780	83	279	0.037	ug/l #	90
71) 1,2,3-Trichloropropane	10.828	75	380	0.066	ug/l #	1
72) Bromobenzene	10.787	156	1166	0.134	ug/l	94
73) n-propylbenzene	10.909	120	972	0.090	ug/l	81
74) 2-Chlorotoluene	10.983	126	697	0.074	ug/l	51
75) 1,3,5-Trimethylbenzene	11.089	105	1974	0.058	ug/l	94
76) 4-Chlorotoluene	11.098	126	990	0.101	ug/l	81
77) tert-Butylbenzene	11.417	119	2354	0.073	ug/l	86
78) 1,2,4-Trimethylbenzene	11.471	105	2895	0.083	ug/l	96
79) sec-Butylbenzene	11.639	105	4304	0.094	ug/l	95

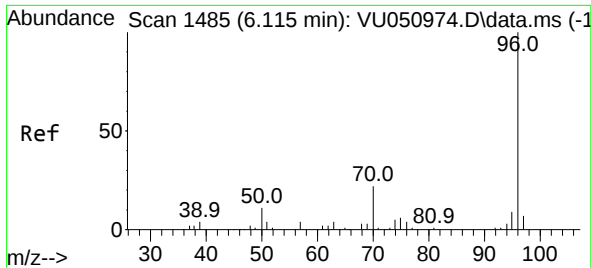
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QLast Update : Thu Apr 20 08:05:37 2023
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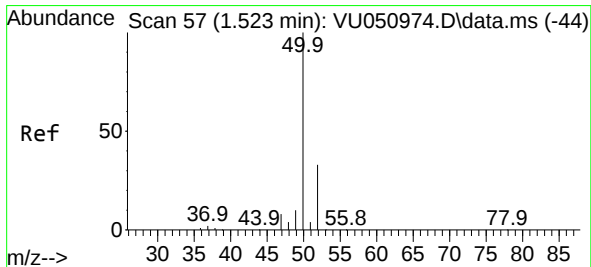
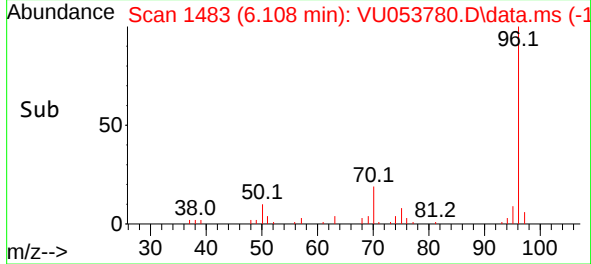
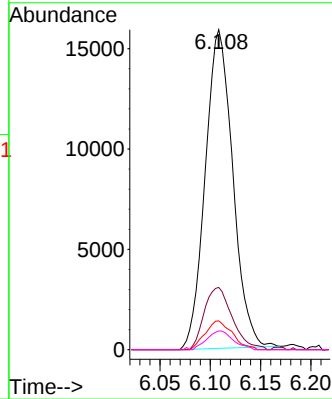
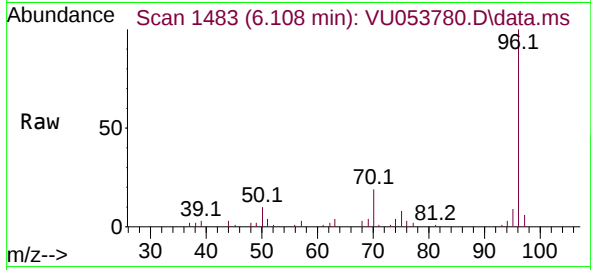




#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.108 min Scan# 1483
Delta R.T. 0.000 min
Lab File: VU053780.D
Acq: 19 Apr 2023 13:32

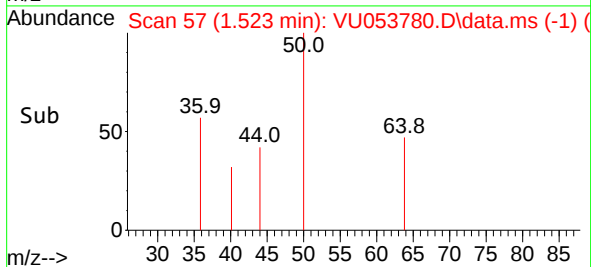
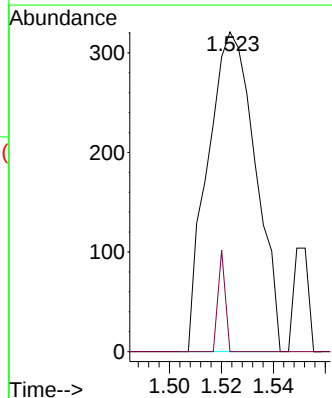
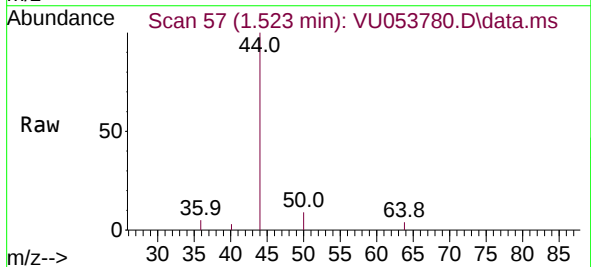
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

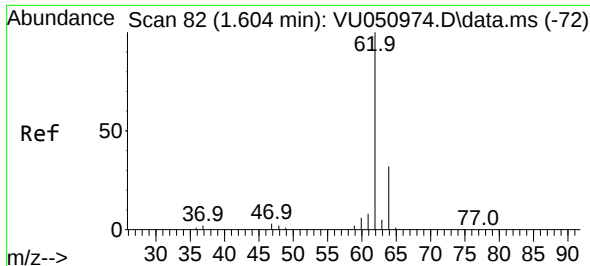
Tgt Ion:	96	Resp:	30259
Ion	Ratio	Lower	Upper
96	100		
70	19.8	16.5	24.7
95	8.9	7.4	11.0
97	5.6	0.0	0.0



#3
Chloromethane
Concen: 0.039 ug/l
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU053780.D
Acq: 19 Apr 2023 13:32

Tgt Ion:	50	Resp:	411
Ion	Ratio	Lower	Upper
50	100		
52	0.0	26.6	40.0

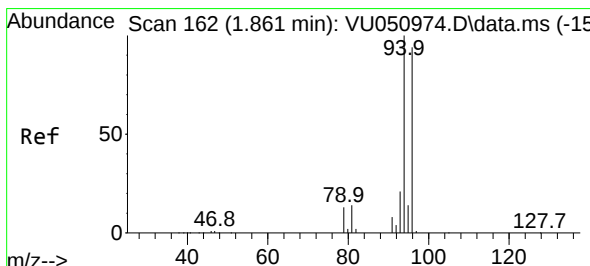
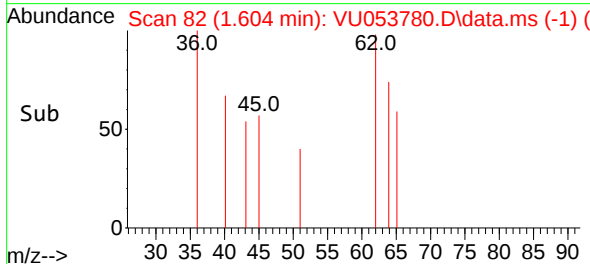
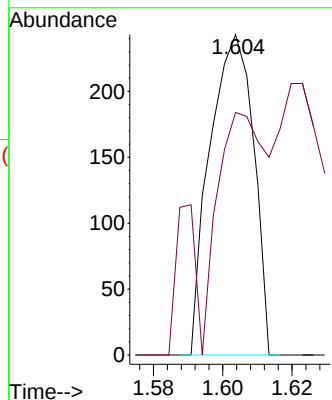
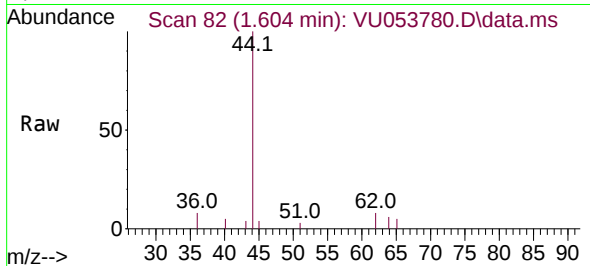




#4
 Vinyl Chloride
 Concen: 0.019 ug/l
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU053780.D
 Acq: 19 Apr 2023 13:32

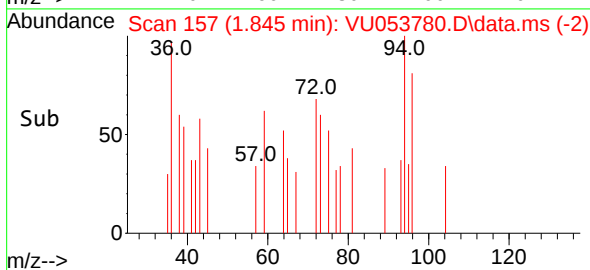
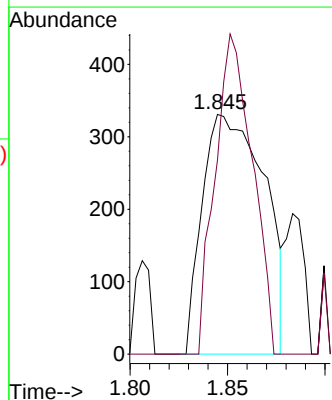
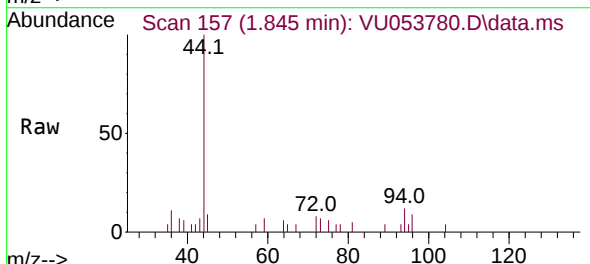
Instrument :
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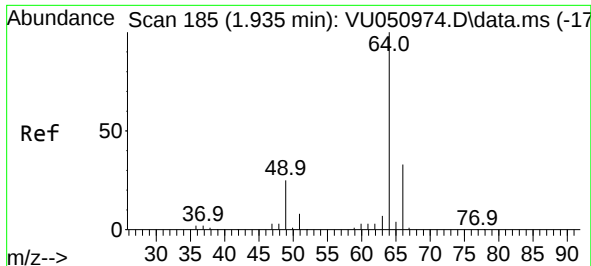
Tgt Ion: 62 Resp: 213
 Ion Ratio Lower Upper
 62 100
 64 29.6 25.4 38.2



#5
 Bromomethane
 Concen: 0.077 ug/l
 RT: 1.845 min Scan# 157
 Delta R.T. -0.000 min
 Lab File: VU053780.D
 Acq: 19 Apr 2023 13:32

Tgt Ion: 94 Resp: 732
 Ion Ratio Lower Upper
 94 100
 96 81.0 75.4 113.2

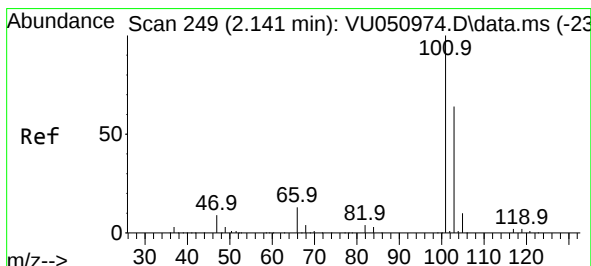
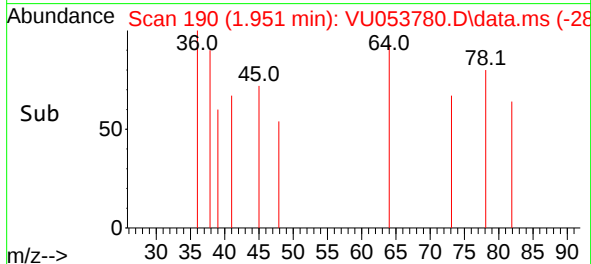
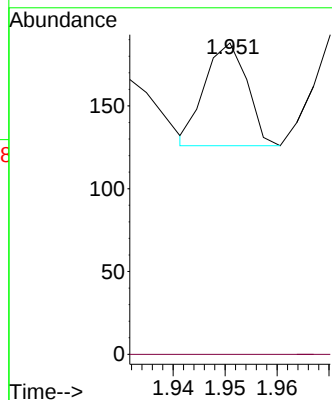
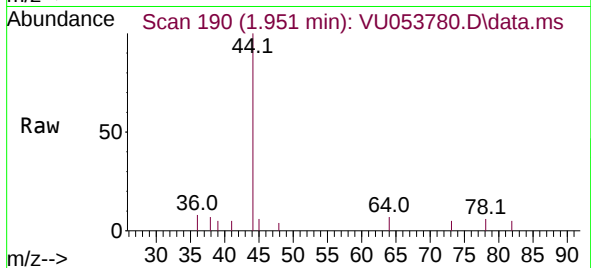




#6
Chloroethane
Concen: 0.005 ug/l
RT: 1.951 min Scan# 190
Delta R.T. 0.022 min
Lab File: VU053780.D
Acq: 19 Apr 2023 13:32

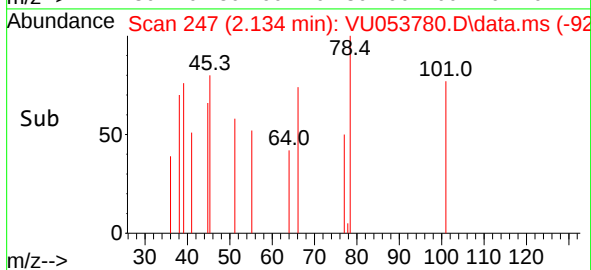
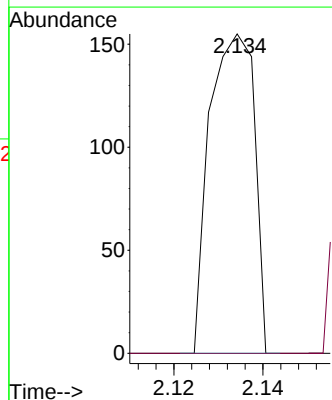
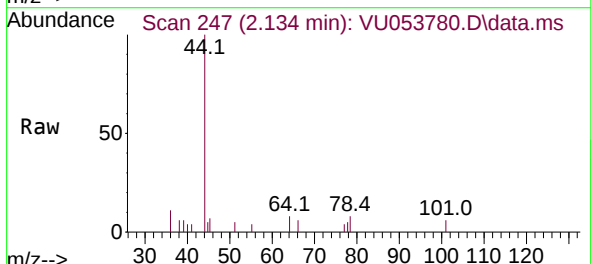
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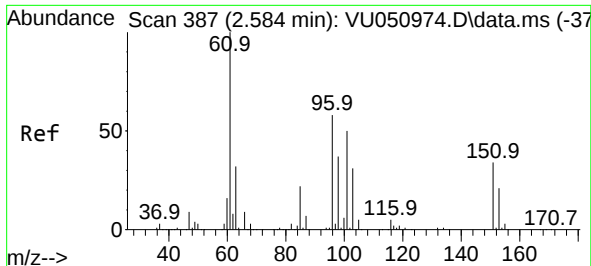
Tgt Ion: 64 Resp: 35
Ion Ratio Lower Upper
64 100
66 0.0 26.0 39.0#



#7
Trichlorofluoromethane
Concen: 0.006 ug/l
RT: 2.134 min Scan# 247
Delta R.T. -0.000 min
Lab File: VU053780.D
Acq: 19 Apr 2023 13:32

Tgt Ion:101 Resp: 108
Ion Ratio Lower Upper
101 100
103 0.0 51.4 77.0#

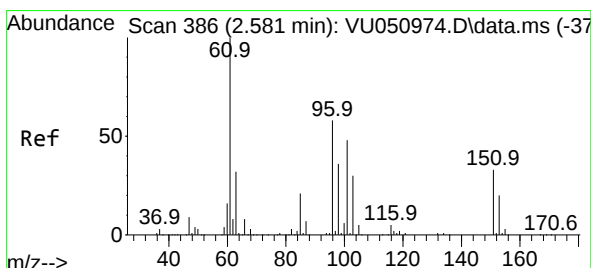
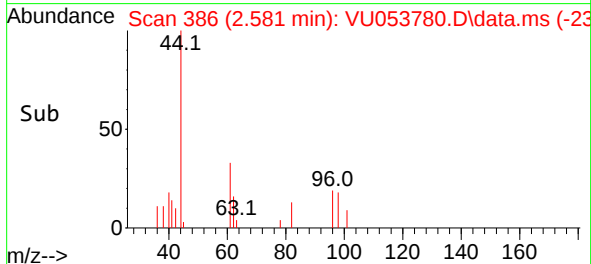
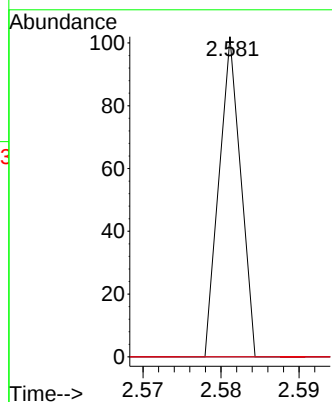
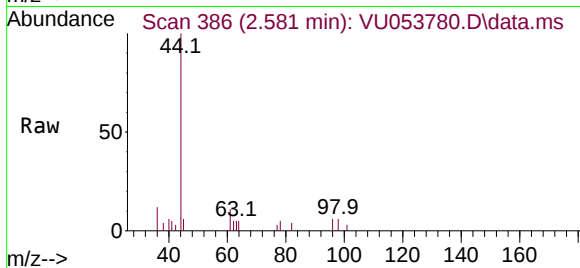




#8
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.002 ug/l
 RT: 2.581 min Scan# 386
 Delta R.T. 0.003 min
 Lab File: VU053780.D
 Acq: 19 Apr 2023 13:32

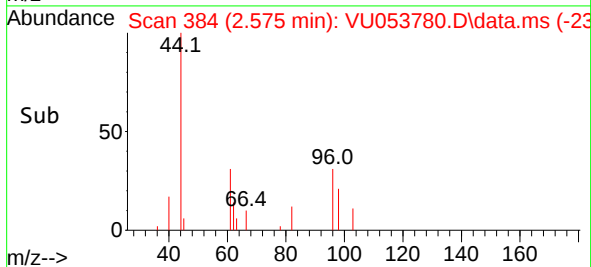
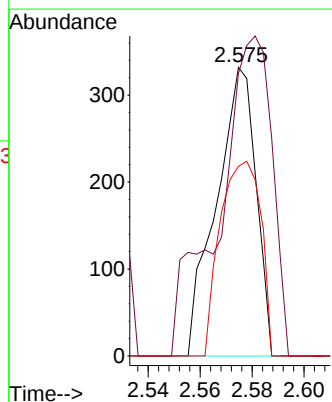
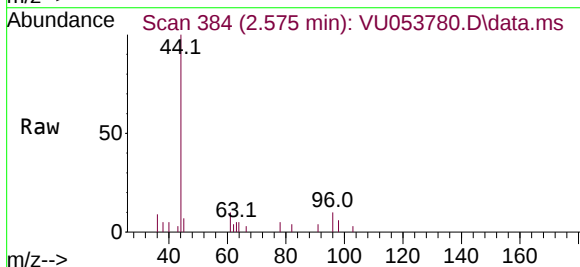
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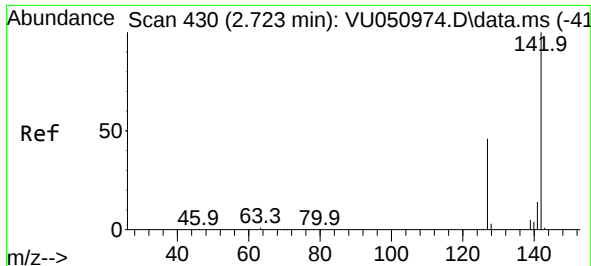
Tgt Ion:101 Resp: 20
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.4 53.0#
 151 0.0 54.0 81.0#



#9
 1,1-Dichloroethene
 Concen: 0.044 ug/l
 RT: 2.575 min Scan# 384
 Delta R.T. -0.003 min
 Lab File: VU053780.D
 Acq: 19 Apr 2023 13:32

Tgt Ion: 96 Resp: 352
 Ion Ratio Lower Upper
 96 100
 61 64.5 0.0 521.4
 98 65.7 0.0 125.8

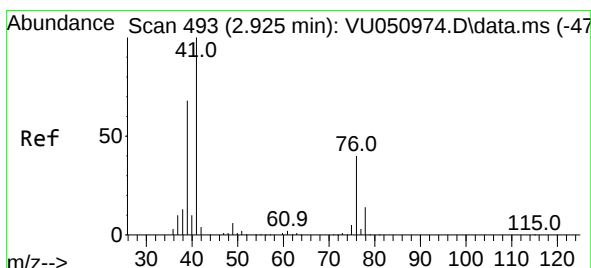
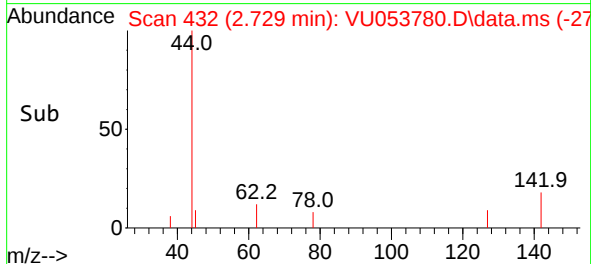
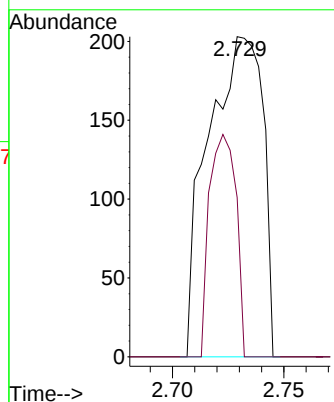
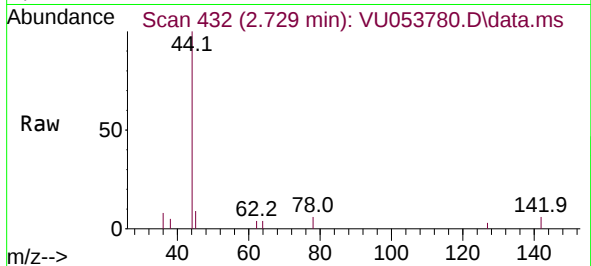




#10
Iodomethane
Concen: 0.042 ug/l
RT: 2.729 min Scan# 41
Delta R.T. 0.010 min
Lab File: VU053780.D
Acq: 19 Apr 2023 13:32

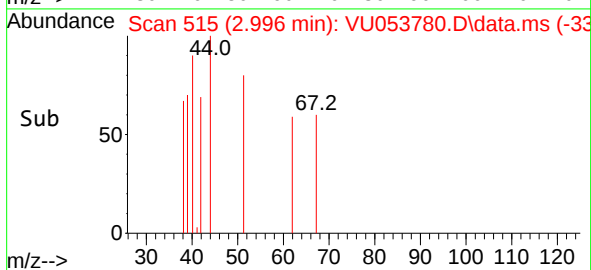
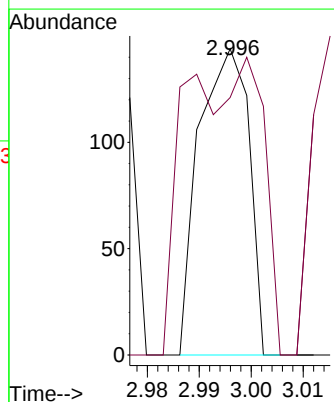
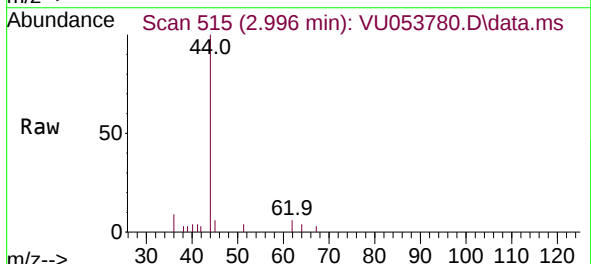
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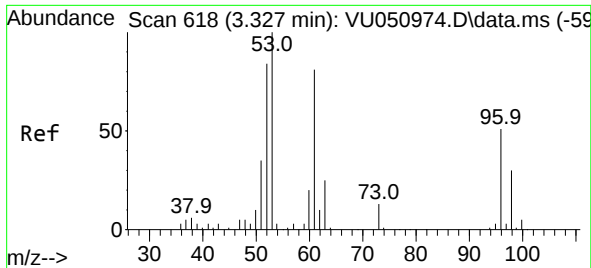
Tgt Ion:142 Resp: 346
Ion Ratio Lower Upper
142 100
127 33.8 35.9 53.9#



#11
Allyl Chloride
Concen: 0.011 ug/l
RT: 2.996 min Scan# 515
Delta R.T. 0.077 min
Lab File: VU053780.D
Acq: 19 Apr 2023 13:32

Tgt Ion: 41 Resp: 96
Ion Ratio Lower Upper
41 100
39 75.0 54.2 81.2





#12

Acrylonitrile

Concen: 0.118 ug/l

RT: 3.308 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU053780.D

Acq: 19 Apr 2023 13:32

Instrument :

MSVOA_U

ClientSampleId :

VIBLK

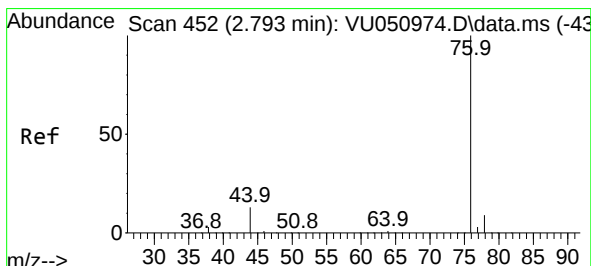
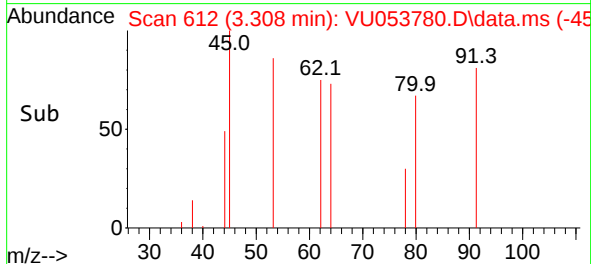
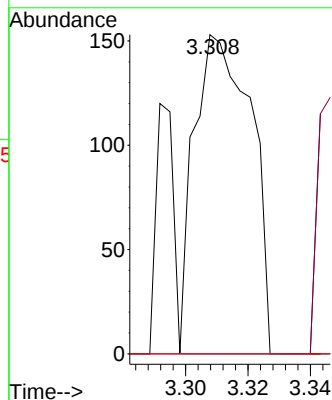
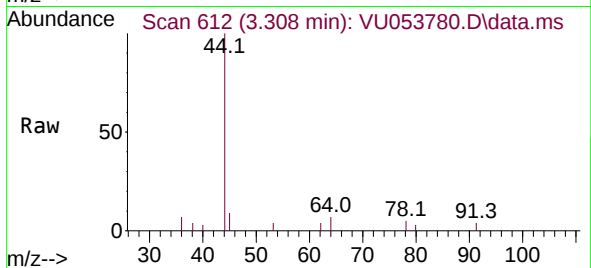
Tgt Ion: 53 Resp: 193

Ion Ratio Lower Upper

53 100

52 35.2 62.9 94.3#

51 0.0 27.8 41.6#



#14

Carbon Disulfide

Concen: 0.038 ug/l

RT: 2.784 min Scan# 449

Delta R.T. -0.003 min

Lab File: VU053780.D

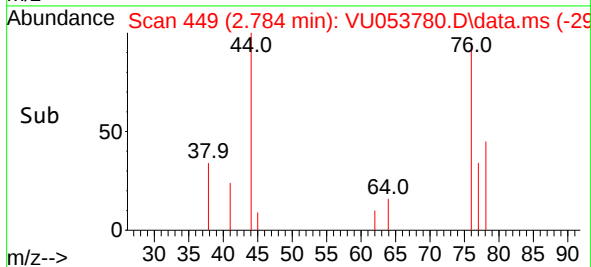
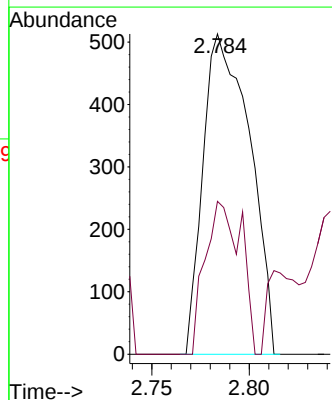
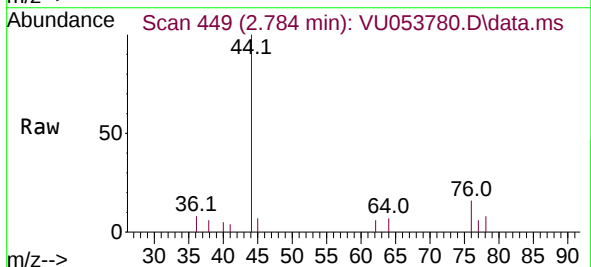
Acq: 19 Apr 2023 13:32

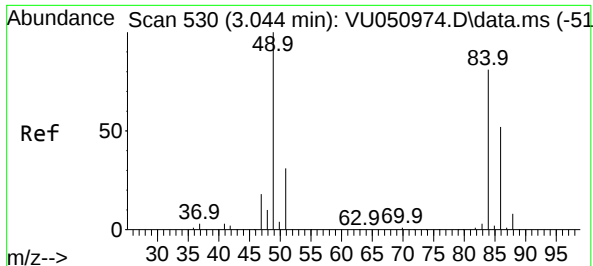
Tgt Ion: 76 Resp: 854

Ion Ratio Lower Upper

76 100

78 47.8 7.4 11.0#

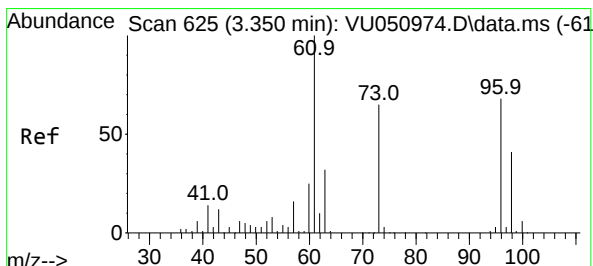
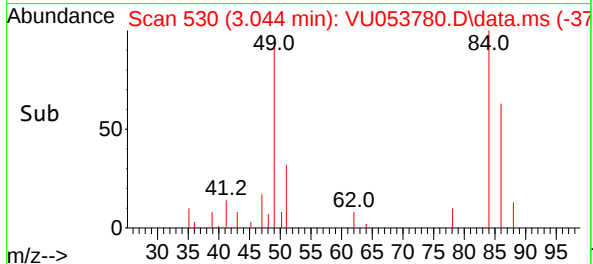
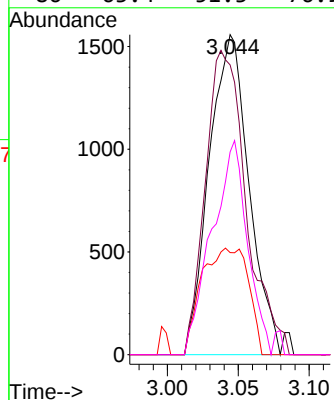
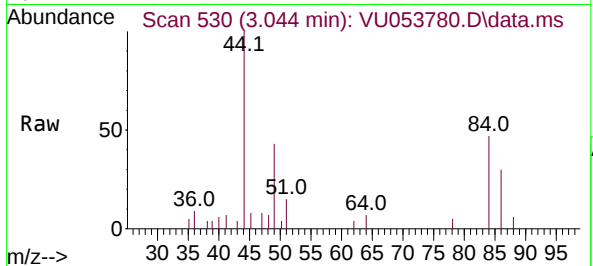




#15
Methylene Chloride
Concen: 0.160 ug/l
RT: 3.044 min Scan# 51
Delta R.T. 0.003 min
Lab File: VU053780.D
Acq: 19 Apr 2023 13:32

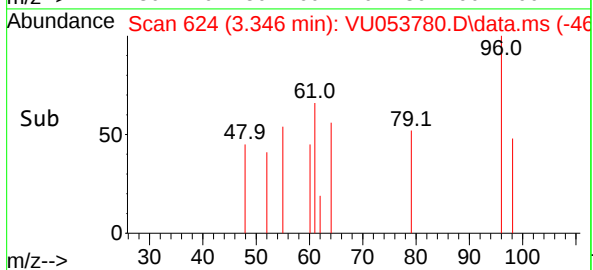
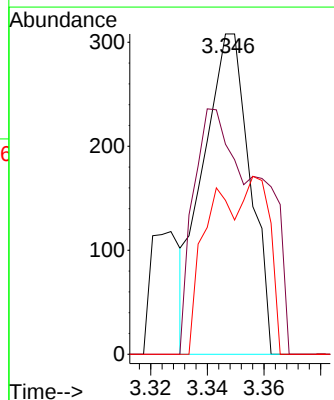
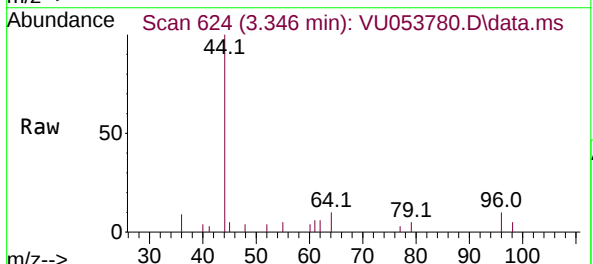
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

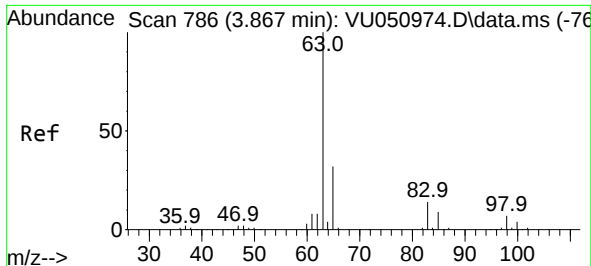
Tgt Ion:	84	Resp:	3040
Ion	Ratio	Lower	Upper
84	100		
49	90.6	98.9	148.3#
51	31.9	0.0	75.4
86	63.4	51.3	76.9



#16
trans-1,2-Dichloroethene
Concen: 0.042 ug/l
RT: 3.346 min Scan# 624
Delta R.T. -0.000 min
Lab File: VU053780.D
Acq: 19 Apr 2023 13:32

Tgt Ion:	96	Resp:	355
Ion	Ratio	Lower	Upper
96	100		
61	65.6	117.5	176.3#
98	48.1	48.3	72.5#

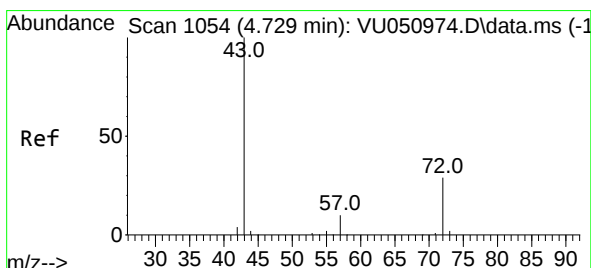
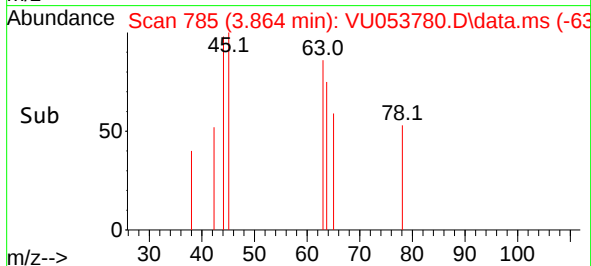
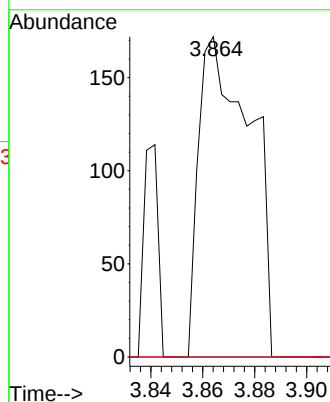
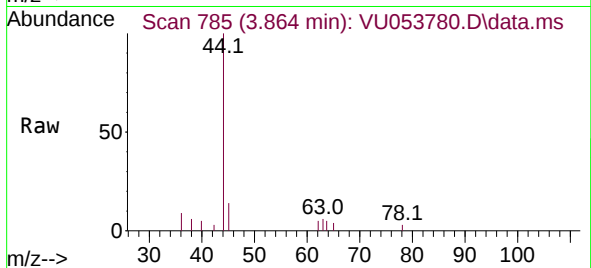




#17
1,1-Dichloroethane
Concen: 0.015 ug/l
RT: 3.864 min Scan# 71
Delta R.T. -0.000 min
Lab File: VU053780.D
Acq: 19 Apr 2023 13:32

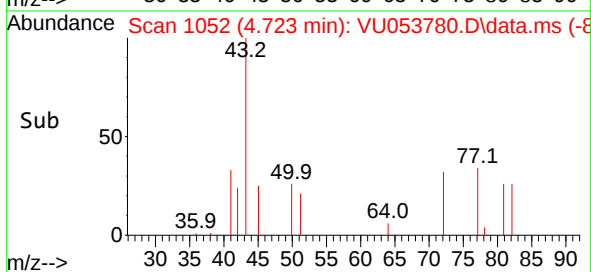
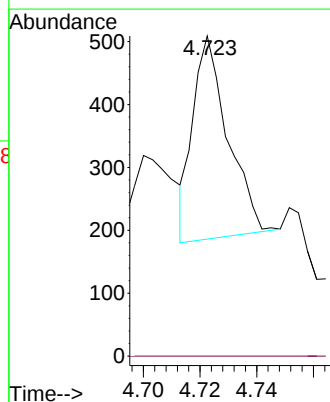
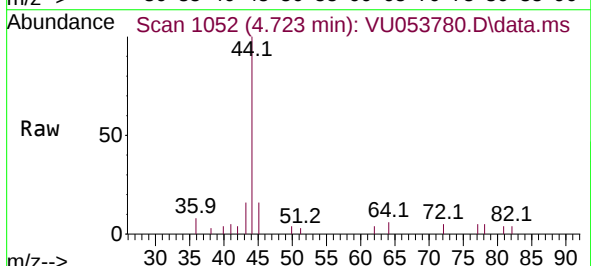
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

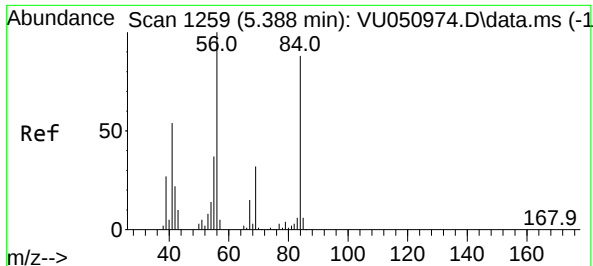
Tgt Ion: 63 Resp: 237
Ion Ratio Lower Upper
63 100
98 0.0 3.4 10.1#
100 0.0 2.2 6.6#



#18
2-Butanone
Concen: 0.085 ug/l
RT: 4.723 min Scan# 1052
Delta R.T. 0.010 min
Lab File: VU053780.D
Acq: 19 Apr 2023 13:32

Tgt Ion: 43 Resp: 276
Ion Ratio Lower Upper
43 100
57 0.0 0.0 19.6





#19

Cyclohexane

Concen: 0.030 ug/l

RT: 5.372 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU053780.D

Acq: 19 Apr 2023 13:32

Instrument :

MSVOA_U

ClientSampleId :

VIBLK

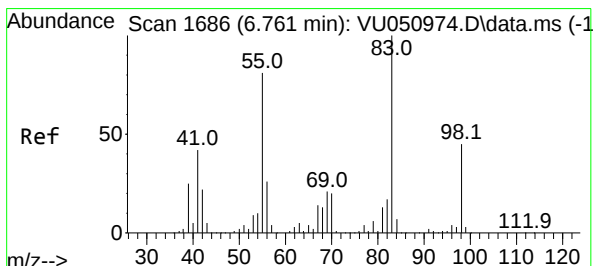
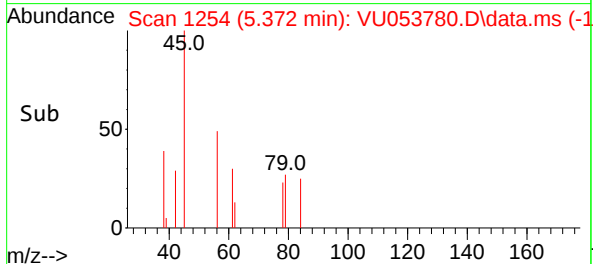
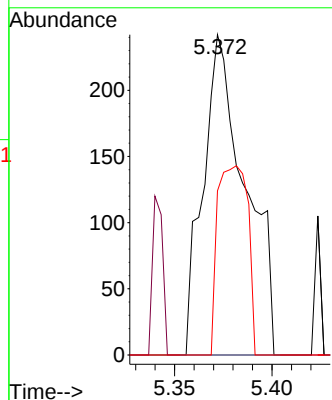
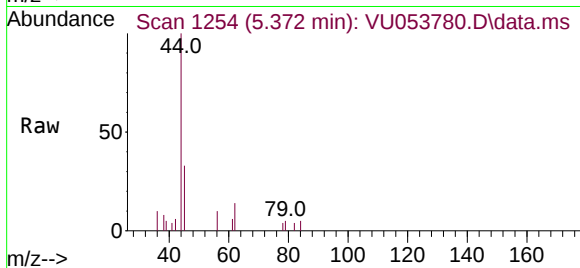
Tgt Ion: 56 Resp: 365

Ion Ratio Lower Upper

56 100

69 12.1 24.6 37.0#

84 42.2 68.4 102.6#



#20

Methylcyclohexane

Concen: 0.023 ug/l

RT: 6.764 min Scan# 1687

Delta R.T. 0.010 min

Lab File: VU053780.D

Acq: 19 Apr 2023 13:32

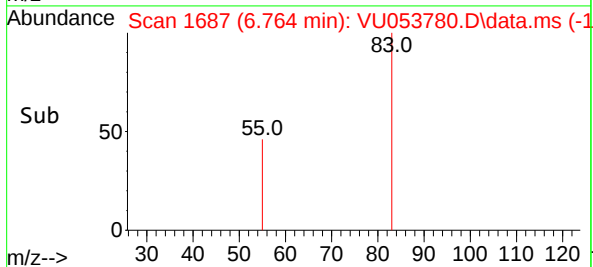
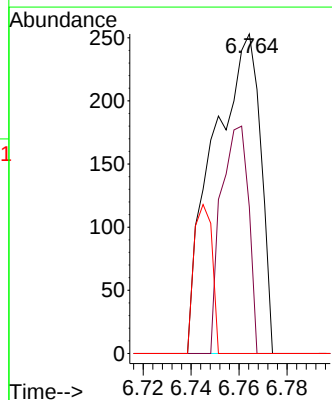
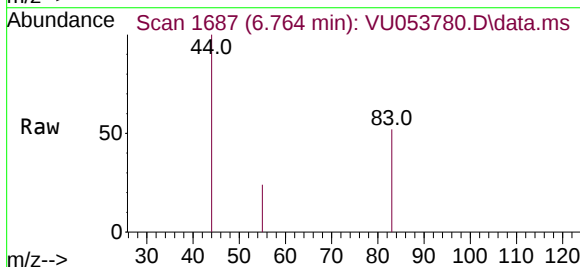
Tgt Ion: 83 Resp: 344

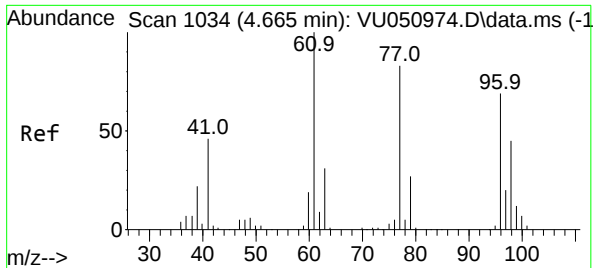
Ion Ratio Lower Upper

83 100

55 41.3 63.5 95.3#

98 18.0 36.0 54.0#

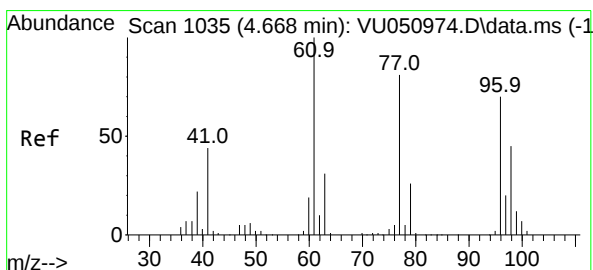
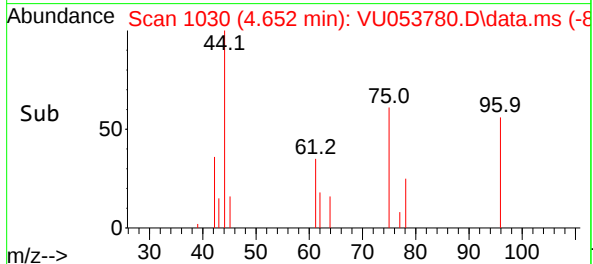
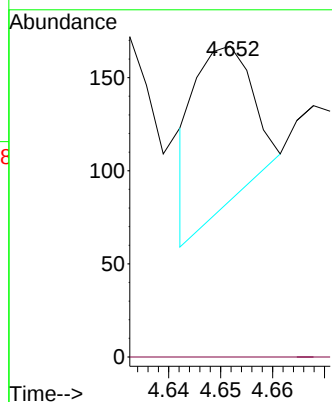
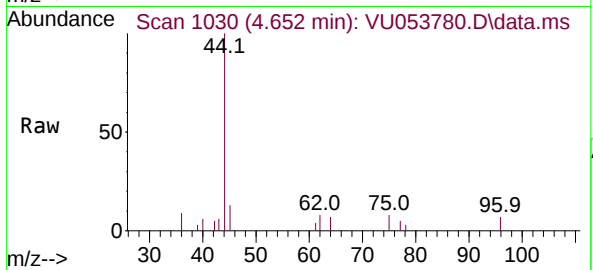




#21
2,2-Dichloropropane
Concen: 0.005 ug/l
RT: 4.652 min Scan# 1030
Delta R.T. -0.007 min
Lab File: VU053780.D
Acq: 19 Apr 2023 13:32

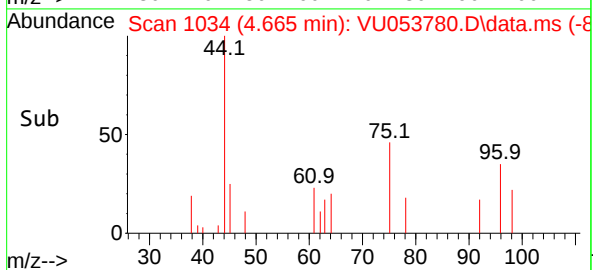
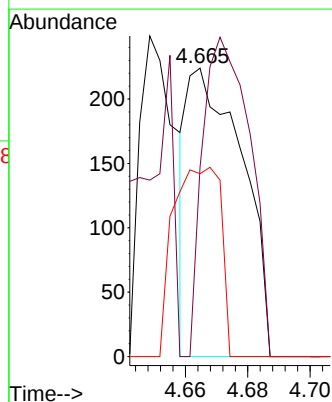
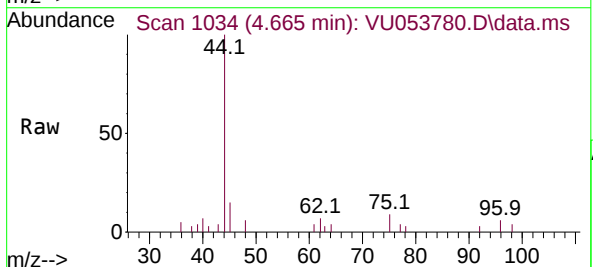
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

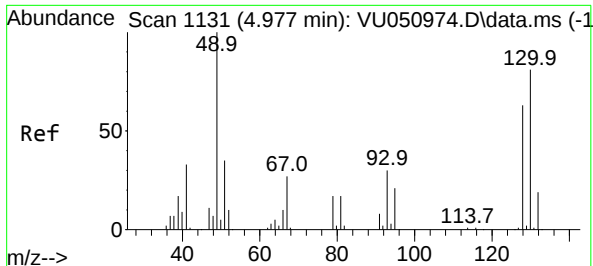
Tgt Ion: 77 Resp: 70
Ion Ratio Lower Upper
77 100
97 0.0 18.4 27.6#



#22
cis-1,2-Dichloroethene
Concen: 0.030 ug/l
RT: 4.665 min Scan# 1034
Delta R.T. 0.006 min
Lab File: VU053780.D
Acq: 19 Apr 2023 13:32

Tgt Ion: 96 Resp: 273
Ion Ratio Lower Upper
96 100
61 95.6 0.0 365.8
98 57.1 32.0 96.0

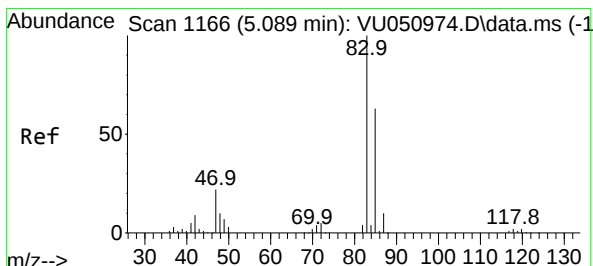
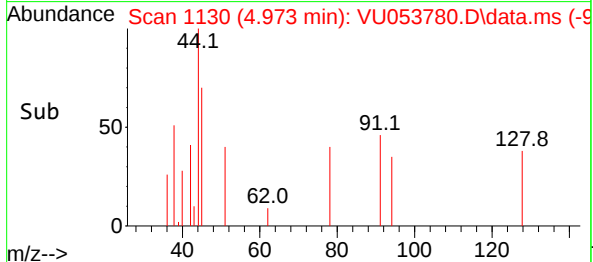
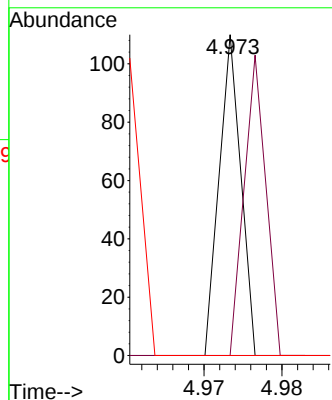
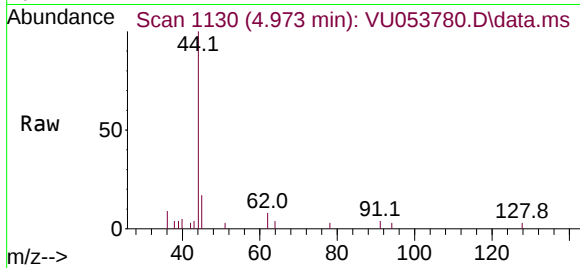




#26
Bromochloromethane
Concen: 0.005 ug/l
RT: 4.973 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VU053780.D
Acq: 19 Apr 2023 13:32

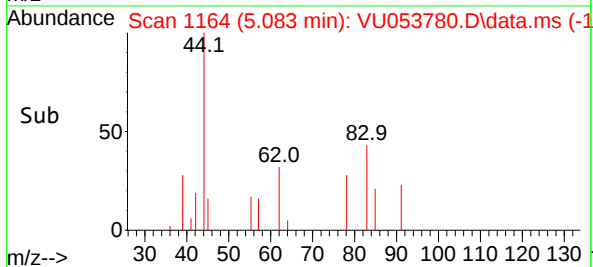
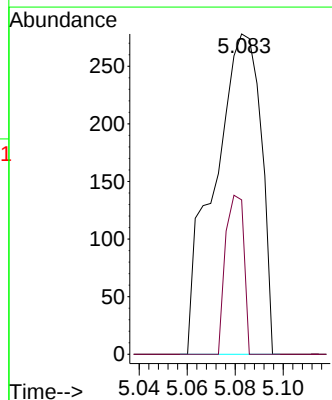
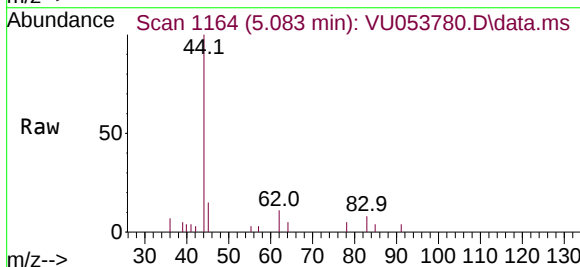
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

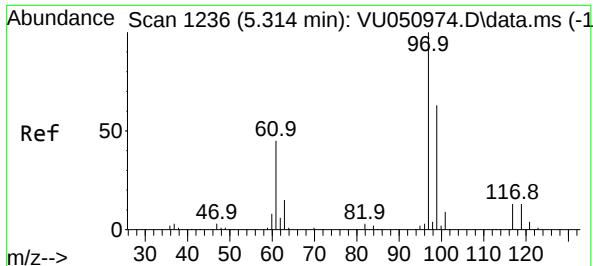
Tgt Ion:128 Resp: 21
Ion Ratio Lower Upper
128 100
49 95.2 0.0 324.6
130 95.2 103.0 154.4#



#27
Chloroform
Concen: 0.023 ug/l
RT: 5.083 min Scan# 1164
Delta R.T. -0.000 min
Lab File: VU053780.D
Acq: 19 Apr 2023 13:32

Tgt Ion: 83 Resp: 375
Ion Ratio Lower Upper
83 100
85 48.2 0.0 126.4





#28

1,1,1-Trichloroethane

Concen: 0.009 ug/l

RT: 5.305 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU053780.D

Acq: 19 Apr 2023 13:32

Instrument :

MSVOA_U

ClientSampleId :

VIBLK

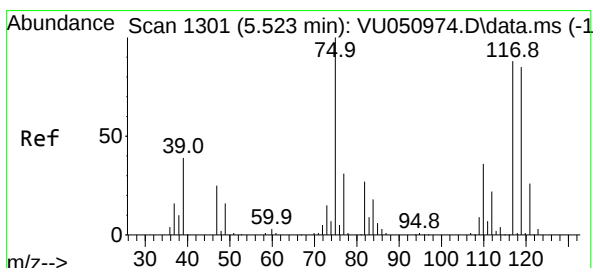
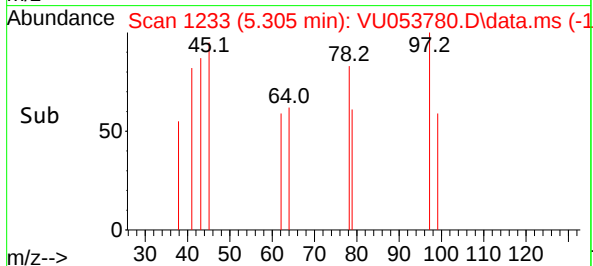
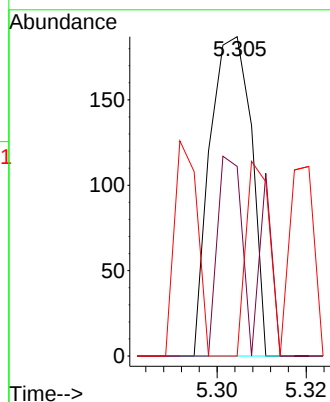
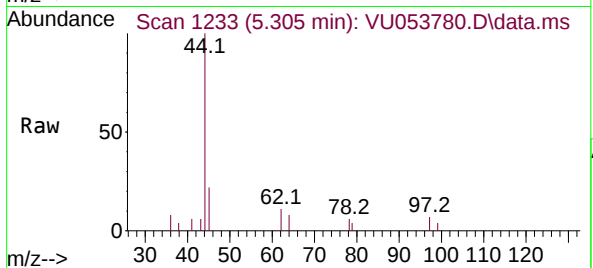
Tgt Ion: 97 Resp: 120

Ion Ratio Lower Upper

97 100

99 54.2 32.0 96.2

61 35.0 22.9 68.5



#29

1,1-Dichloropropene

Concen: 0.022 ug/l

RT: 5.520 min Scan# 1300

Delta R.T. 0.003 min

Lab File: VU053780.D

Acq: 19 Apr 2023 13:32

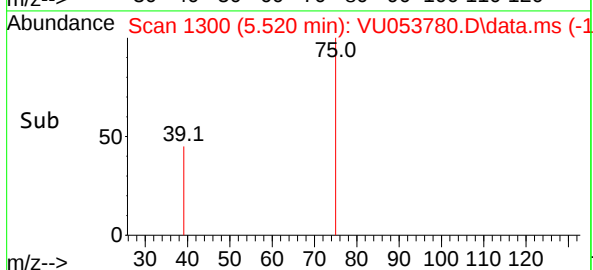
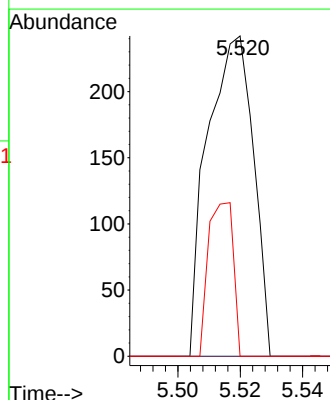
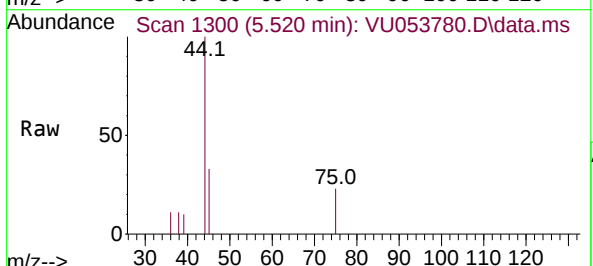
Tgt Ion: 75 Resp: 247

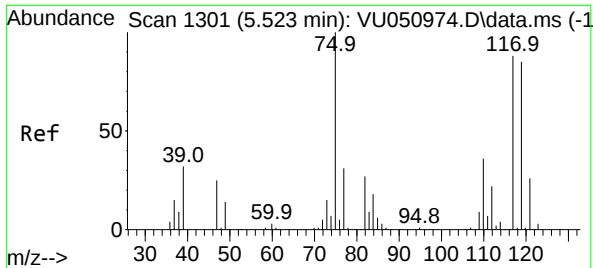
Ion Ratio Lower Upper

75 100

110 0.0 18.0 54.0#

77 25.9 24.7 37.1

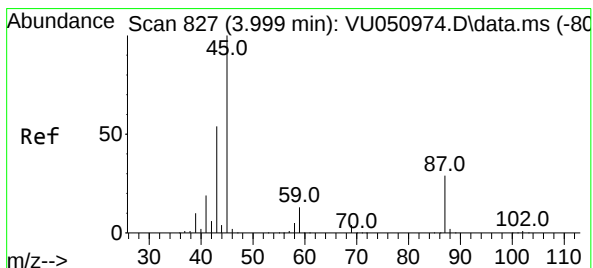
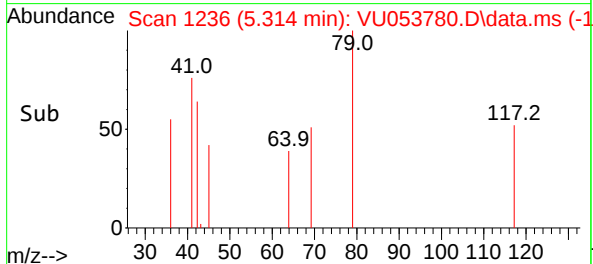
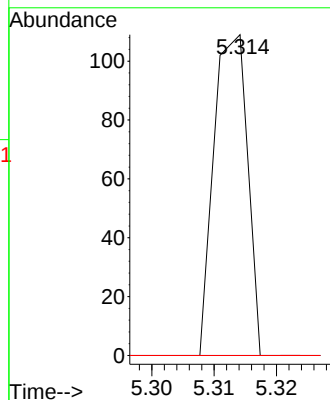
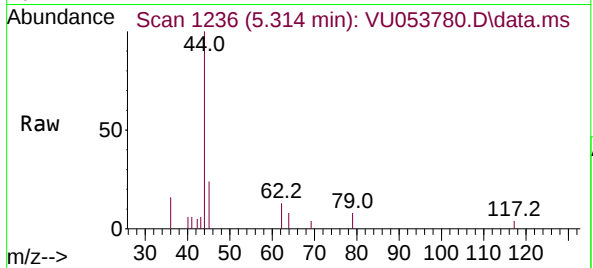




#30
Carbon Tetrachloride
Concen: 0.004 ug/l
RT: 5.314 min Scan# 117
Delta R.T. -0.199 min
Lab File: VU053780.D
Acq: 19 Apr 2023 13:32

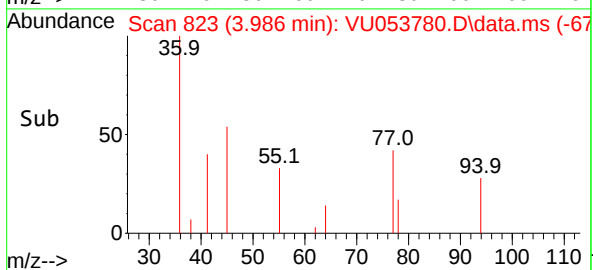
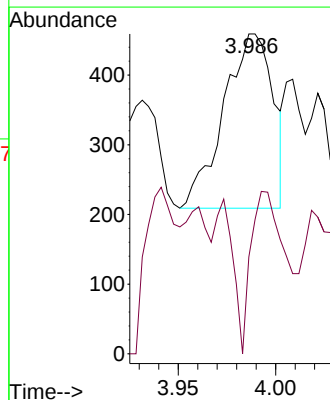
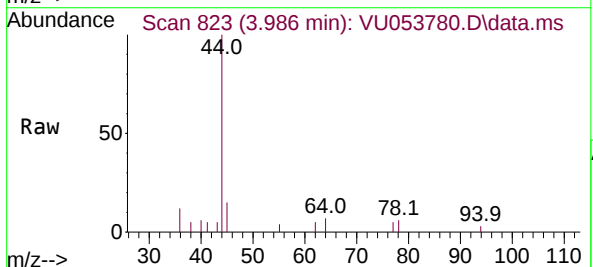
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

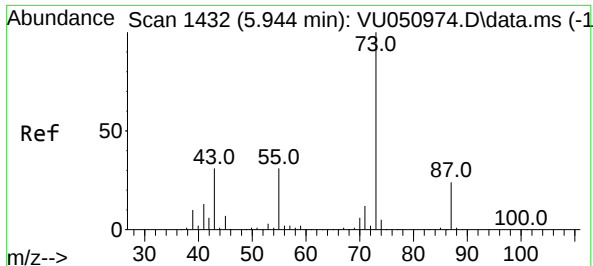
Tgt Ion:117 Resp: 41
Ion Ratio Lower Upper
117 100
119 0.0 77.4 116.0#
121 0.0 24.0 36.0#



#31
Isopropyl Ether
Concen: 0.020 ug/l
RT: 3.986 min Scan# 823
Delta R.T. -0.010 min
Lab File: VU053780.D
Acq: 19 Apr 2023 13:32

Tgt Ion: 45 Resp: 440
Ion Ratio Lower Upper
45 100
43 61.8 27.5 82.5

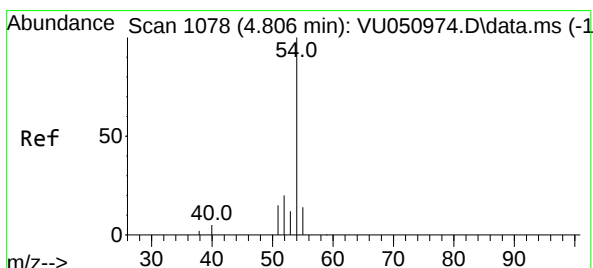
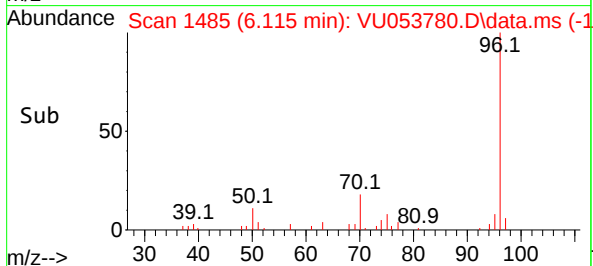
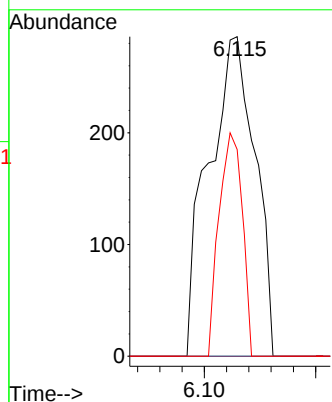
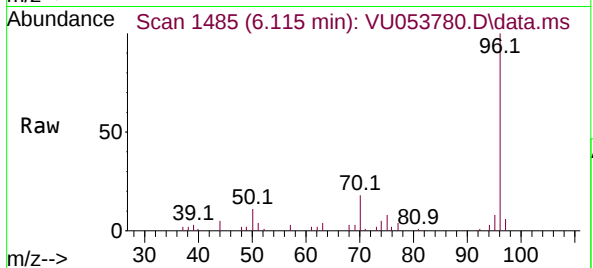




#33
Tert-Amyl methyl ether
Concen: 0.022 ug/l
RT: 6.115 min Scan# 14
Delta R.T. 0.170 min
Lab File: VU053780.D
Acq: 19 Apr 2023 13:32

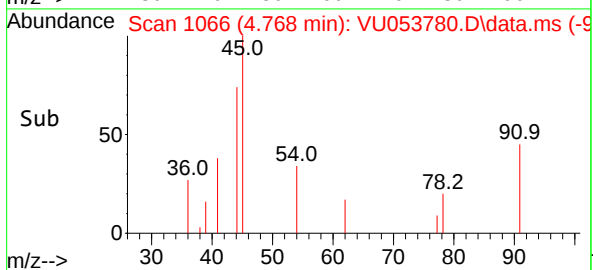
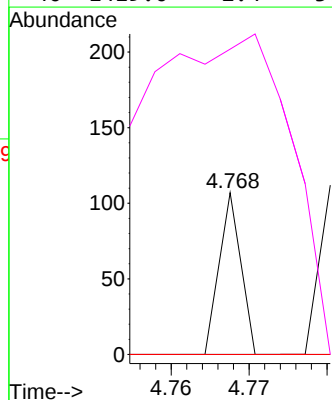
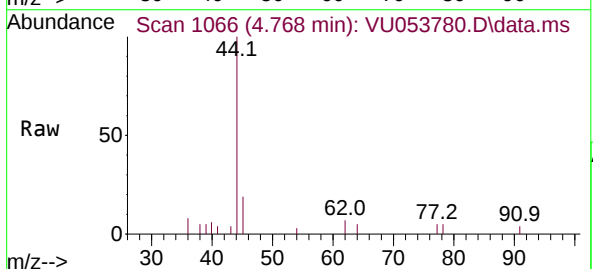
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

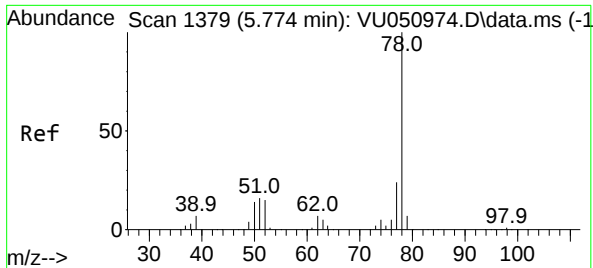
Tgt Ion: 73 Resp: 416
Ion Ratio Lower Upper
73 100
87 0.0 18.6 28.0#
71 34.9 9.9 14.9#



#34
Propionitrile
Concen: 0.038 ug/l
RT: 4.768 min Scan# 1066
Delta R.T. -0.010 min
Lab File: VU053780.D
Acq: 19 Apr 2023 13:32

Tgt Ion: 54 Resp: 21
Ion Ratio Lower Upper
54 100
52 0.0 17.4 26.0#
55 0.0 104.1 156.1#
40 1419.0 2.4 3.6#

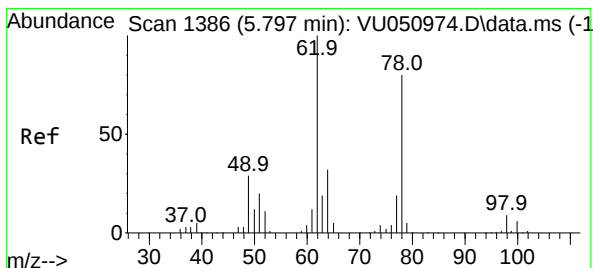
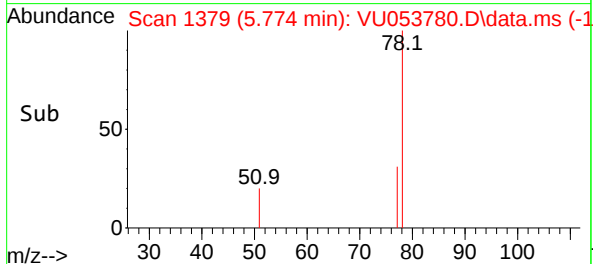
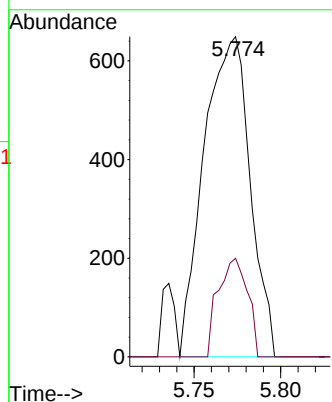
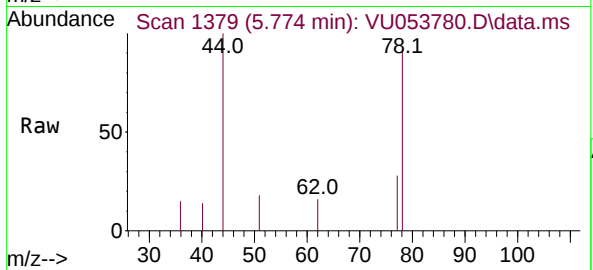




#35
Benzene
Concen: 0.036 ug/l
RT: 5.774 min Scan# 11
Delta R.T. 0.006 min
Lab File: VU053780.D
Acq: 19 Apr 2023 13:32

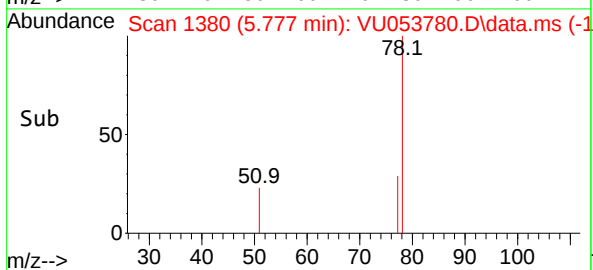
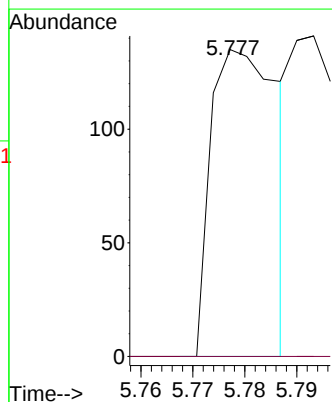
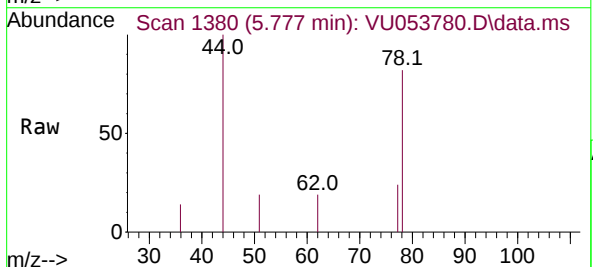
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

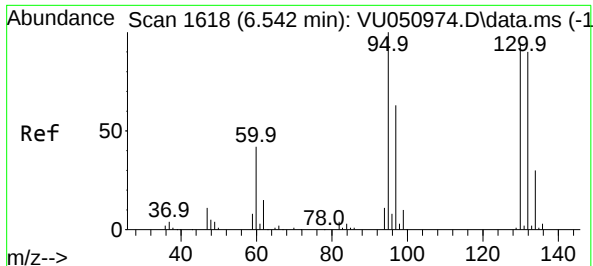
Tgt Ion: 78 Resp: 1202
Ion Ratio Lower Upper
78 100
77 30.8 18.9 28.3#



#36
1,2-Dichloroethane
Concen: 0.012 ug/l
RT: 5.777 min Scan# 1380
Delta R.T. -0.013 min
Lab File: VU053780.D
Acq: 19 Apr 2023 13:32

Tgt Ion: 62 Resp: 121
Ion Ratio Lower Upper
62 100
98 0.0 7.3 10.9#





#37

Trichloroethene

Concen: 0.040 ug/l

RT: 6.533 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU053780.D

Acq: 19 Apr 2023 13:32

Instrument :

MSVOA_U

ClientSampleId :

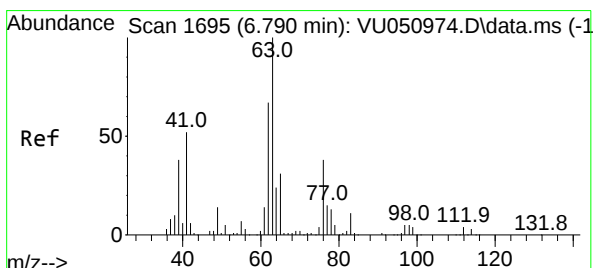
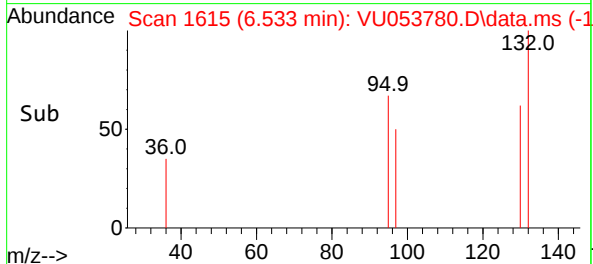
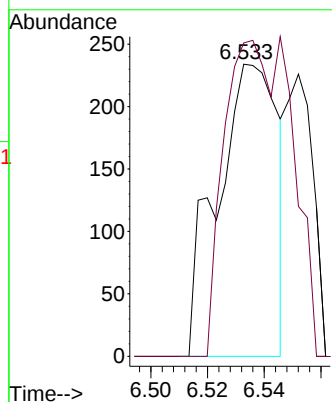
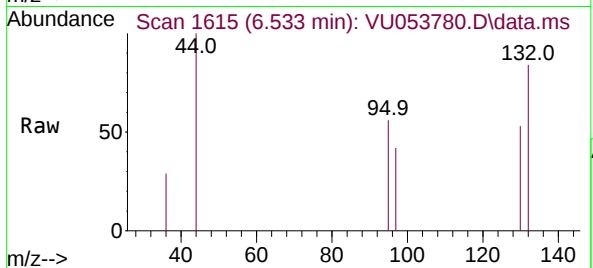
VIBLK

Tgt Ion:130 Resp: 345

Ion Ratio Lower Upper

130 100

95 107.3 85.0 127.6



#38

1,2-Dichloropropane

Concen: 0.005 ug/l

RT: 6.800 min Scan# 1698

Delta R.T. 0.010 min

Lab File: VU053780.D

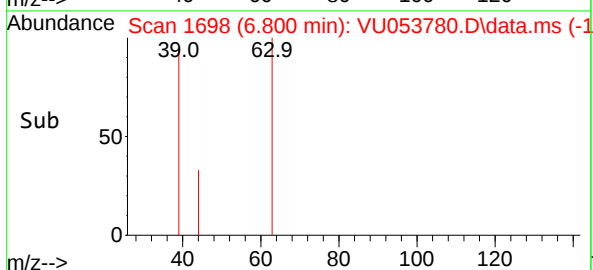
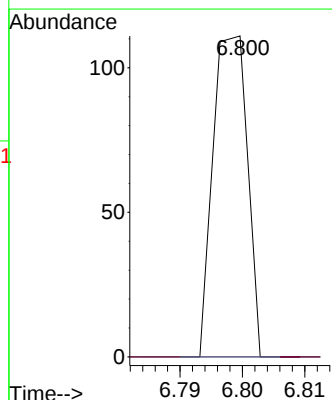
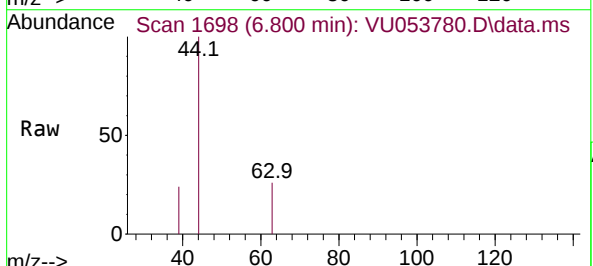
Acq: 19 Apr 2023 13:32

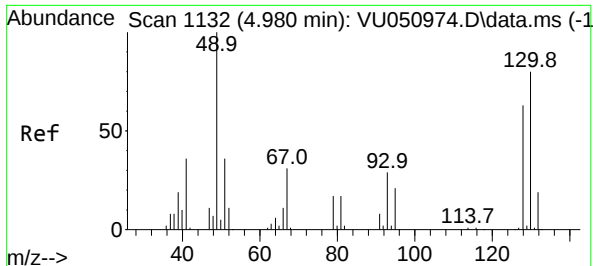
Tgt Ion: 63 Resp: 42

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#





#39

Methacrylonitrile

Concen: 0.104 ug/l

RT: 4.960 min Scan# 1132

Delta R.T. -0.013 min

Lab File: VU053780.D

Acq: 19 Apr 2023 13:32

Instrument :

MSVOA_U

ClientSampleId :

VIBLK

Tgt Ion: 41 Resp: 235

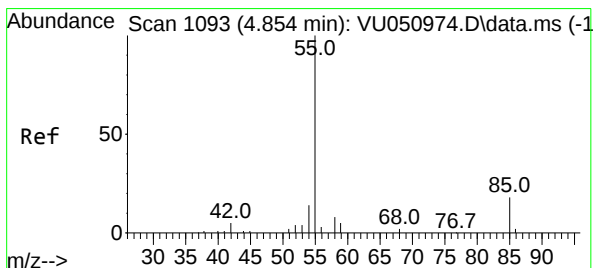
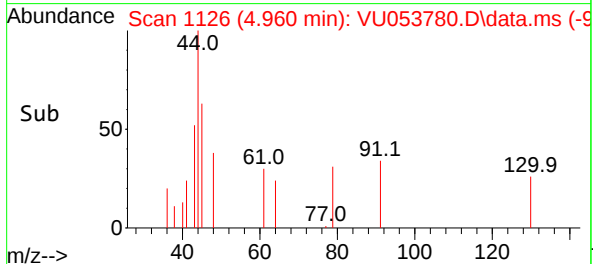
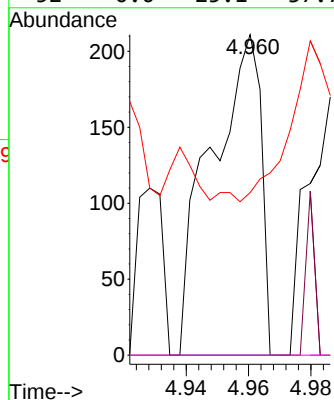
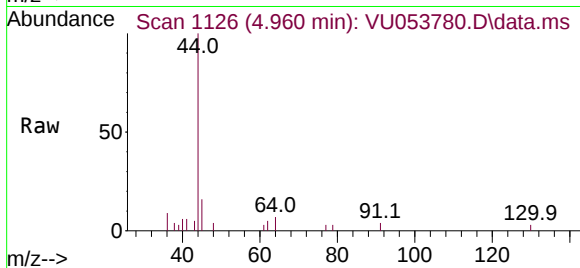
Ion Ratio Lower Upper

41 100

67 8.9 66.8 100.2#

39 108.5 41.2 61.8#

52 0.0 25.1 37.7#



#40

Methyl acrylate

Concen: 0.081 ug/l

RT: 4.854 min Scan# 1093

Delta R.T. 0.010 min

Lab File: VU053780.D

Acq: 19 Apr 2023 13:32

Tgt Ion: 55 Resp: 334

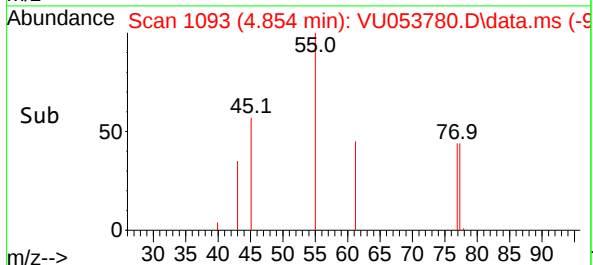
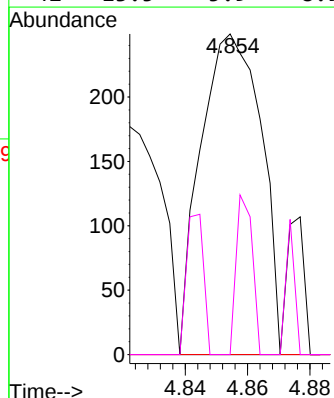
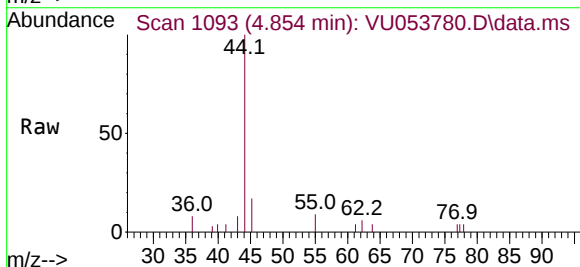
Ion Ratio Lower Upper

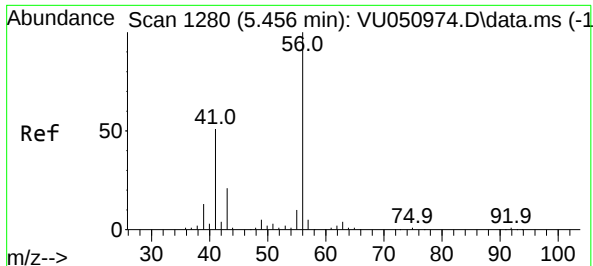
55 100

85 0.0 13.3 19.9#

58 0.0 6.5 9.7#

42 13.5 5.9 8.9#





#42

1-Chlorobutane

Concen: 0.024 ug/l

RT: 5.372 min Scan# 11

Delta R.T. -0.077 min

Lab File: VU053780.D

Acq: 19 Apr 2023 13:32

Instrument :

MSVOA_U

ClientSampleId :

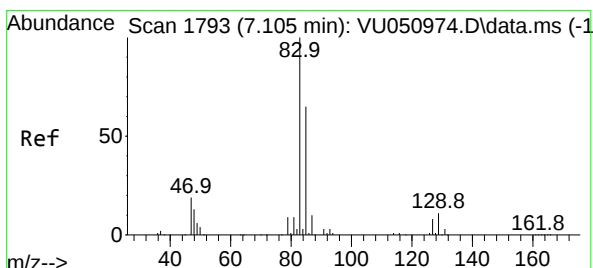
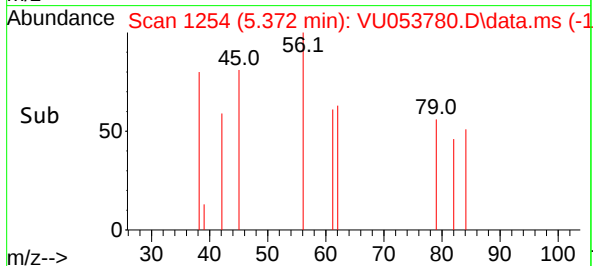
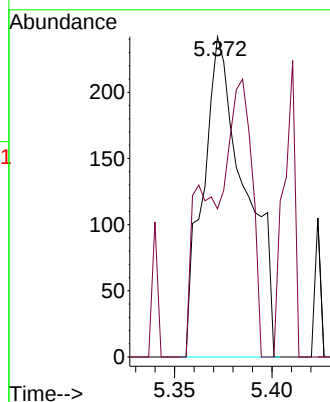
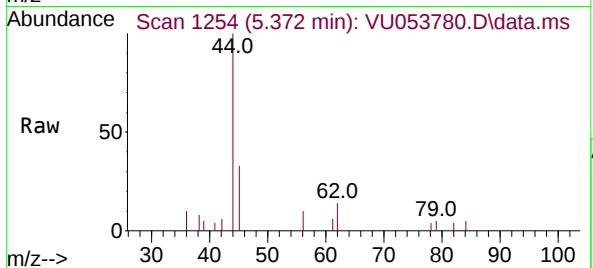
VIBLK

Tgt Ion: 56 Resp: 365

Ion Ratio Lower Upper

56 100

41 31.8 25.2 75.6



#44

Bromodichloromethane

Concen: 0.014 ug/l

RT: 7.108 min Scan# 1794

Delta R.T. 0.006 min

Lab File: VU053780.D

Acq: 19 Apr 2023 13:32

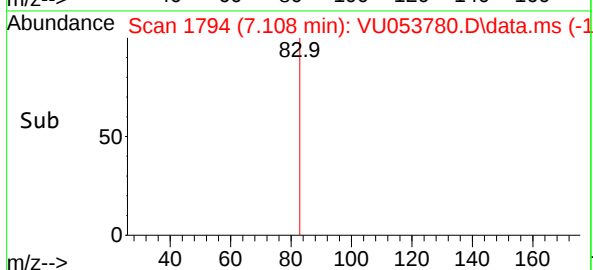
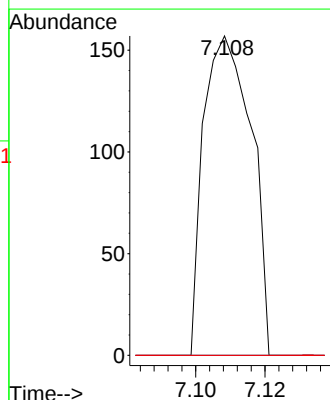
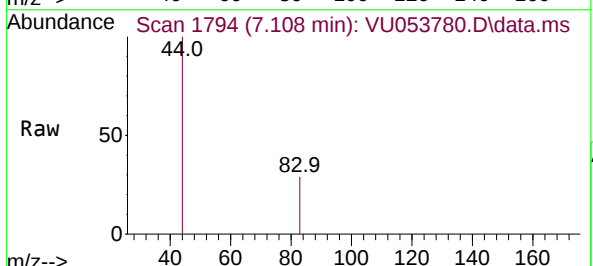
Tgt Ion: 83 Resp: 150

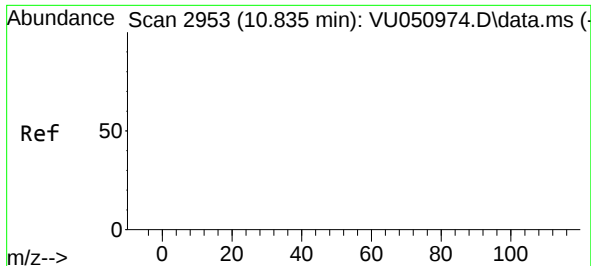
Ion Ratio Lower Upper

83 100

85 0.0 51.9 77.9#

127 0.0 6.7 10.1#





#46

t-1,4-Dichloro-2-butene

Concen: 0.160 ug/l

RT: 10.828 min Scan# 2951

Delta R.T. -0.003 min

Lab File: VU053780.D

Acq: 19 Apr 2023 13:32

Instrument :

MSVOA_U

ClientSampleId :

VIBLK

Tgt Ion: 75 Resp: 380

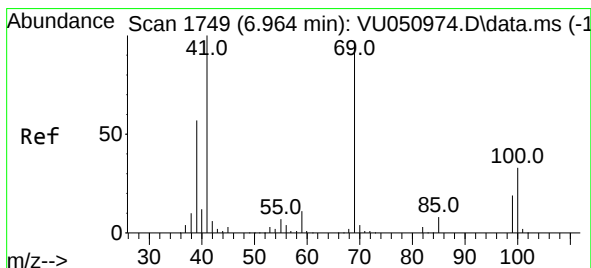
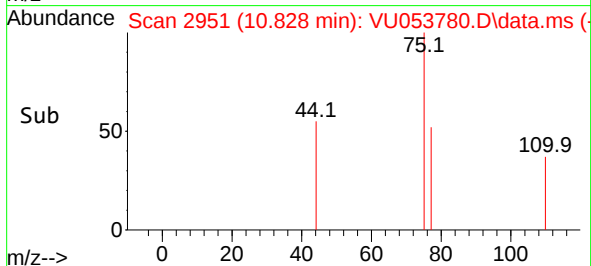
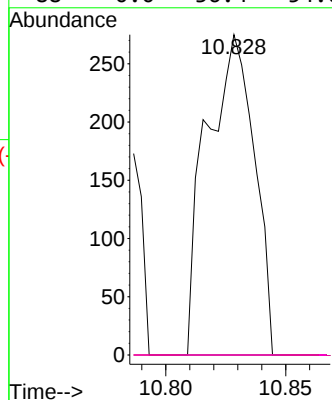
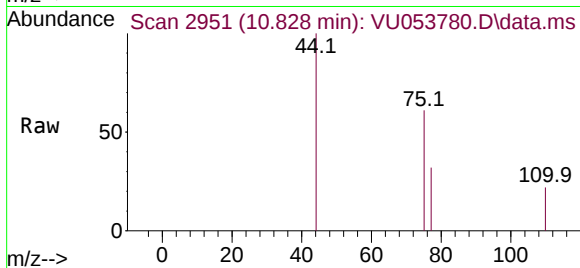
Ion Ratio Lower Upper

75 100

53 0.0 73.3 109.9#

89 5.5 48.2 72.4#

88 0.0 36.4 54.6#



#47

Methyl methacrylate

Concen: 0.018 ug/l

RT: 6.970 min Scan# 1751

Delta R.T. 0.006 min

Lab File: VU053780.D

Acq: 19 Apr 2023 13:32

Tgt Ion: 69 Resp: 71

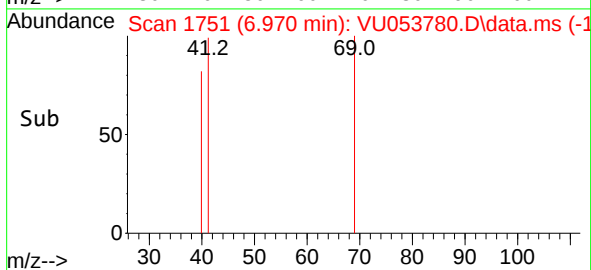
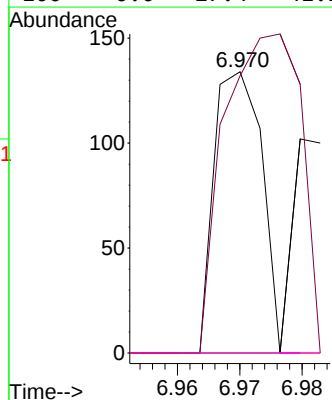
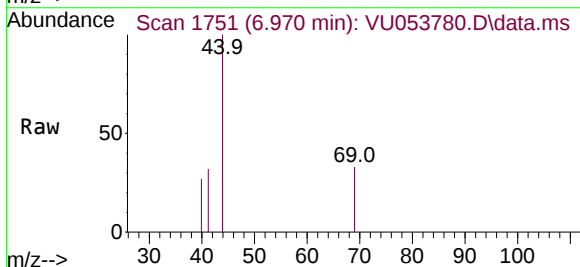
Ion Ratio Lower Upper

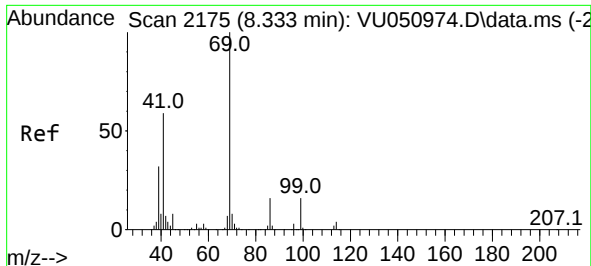
69 100

41 183.1 0.0 209.2

39 28.2 46.7 70.1#

100 0.0 27.4 41.2#





#48

Ethyl methacrylate

Concen: 0.037 ug/l

RT: 8.337 min Scan# 2175

Delta R.T. 0.003 min

Lab File: VU053780.D

Acq: 19 Apr 2023 13:32

Instrument :

MSVOA_U

ClientSampleId :

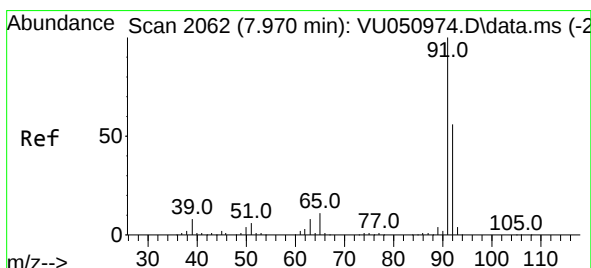
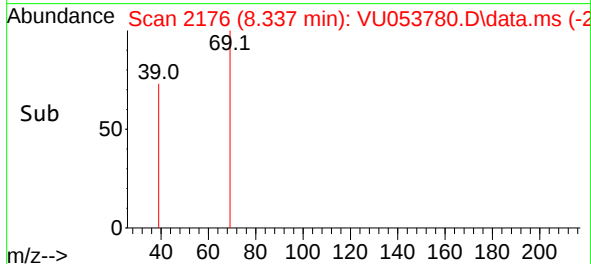
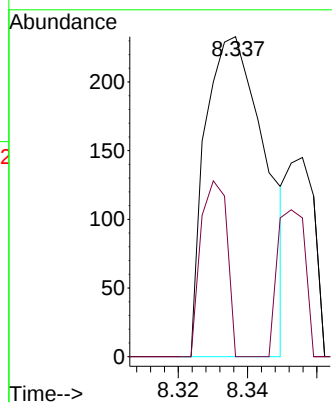
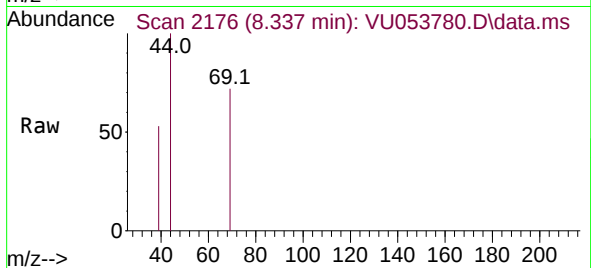
VIBLK

Tgt Ion: 69 Resp: 280

Ion Ratio Lower Upper

69 100

41 23.9 30.3 90.8#



#49

Toluene

Concen: 0.062 ug/l

RT: 7.967 min Scan# 2061

Delta R.T. 0.003 min

Lab File: VU053780.D

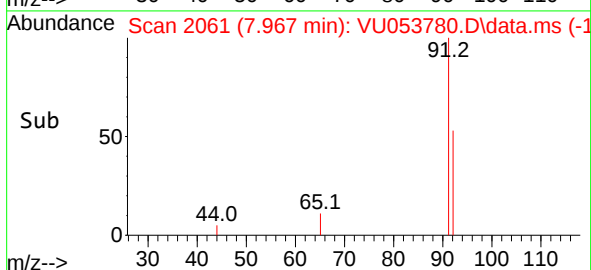
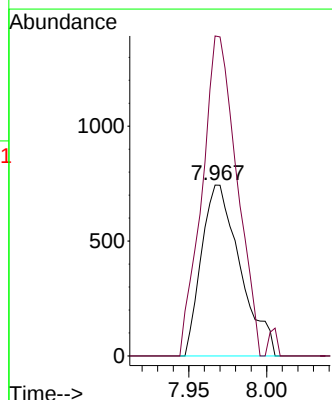
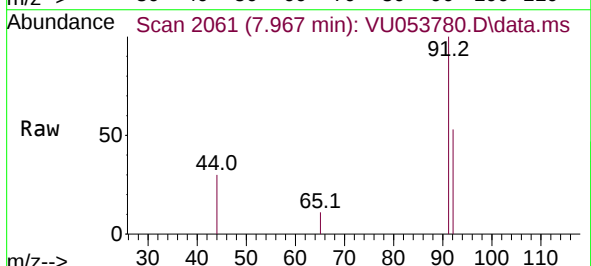
Acq: 19 Apr 2023 13:32

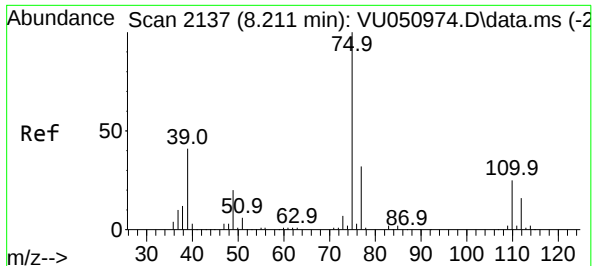
Tgt Ion: 92 Resp: 1282

Ion Ratio Lower Upper

92 100

91 169.3 143.0 214.6

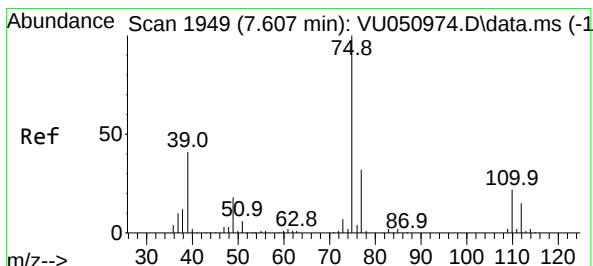
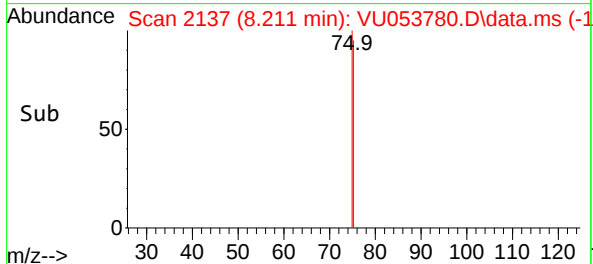
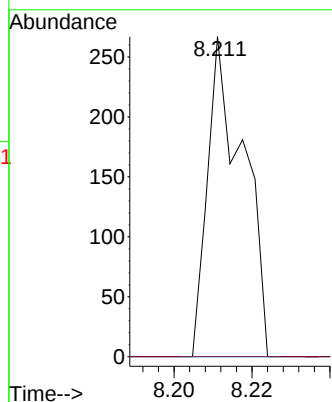
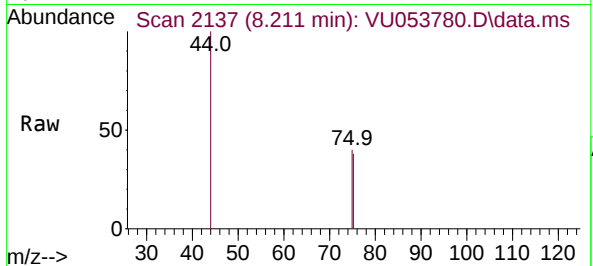




#50
t-1,3-Dichloropropene
Concen: 0.017 ug/l
RT: 8.211 min Scan# 2137
Delta R.T. 0.003 min
Lab File: VU053780.D
Acq: 19 Apr 2023 13:32

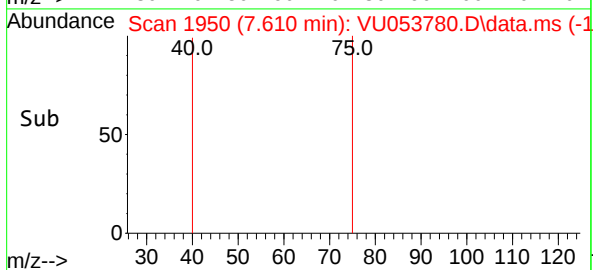
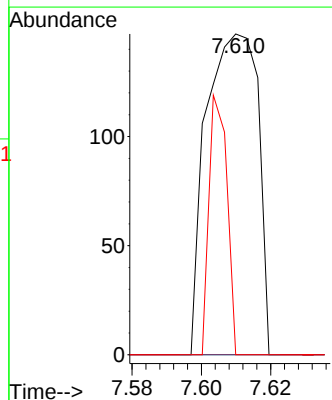
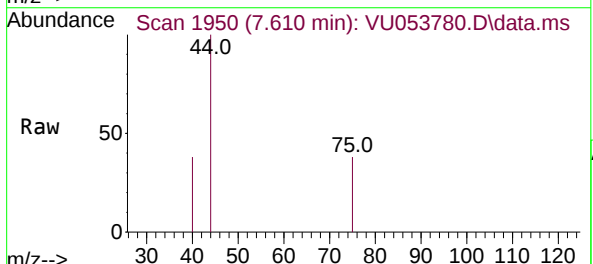
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

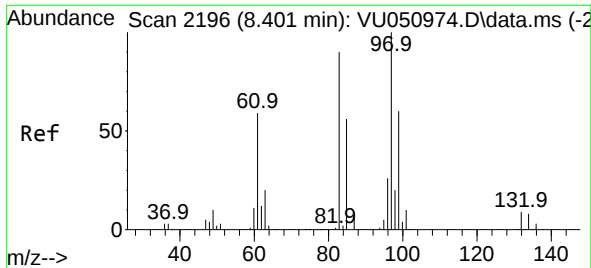
Tgt Ion: 75 Resp: 169
Ion Ratio Lower Upper
75 100
77 0.0 25.3 37.9#



#51
cis-1,3-Dichloropropene
Concen: 0.013 ug/l
RT: 7.610 min Scan# 1950
Delta R.T. 0.006 min
Lab File: VU053780.D
Acq: 19 Apr 2023 13:32

Tgt Ion: 75 Resp: 152
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#
39 0.0 32.8 49.2#

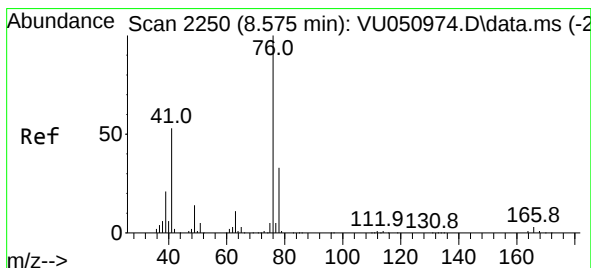
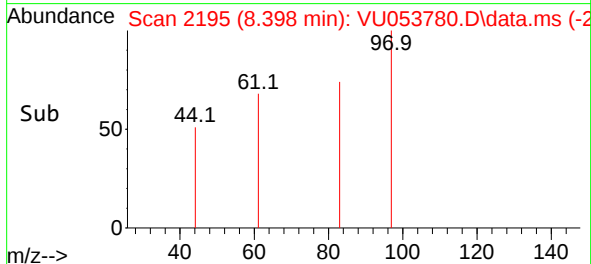
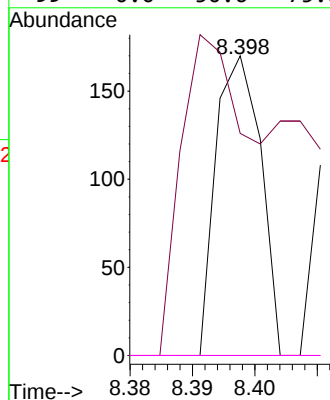
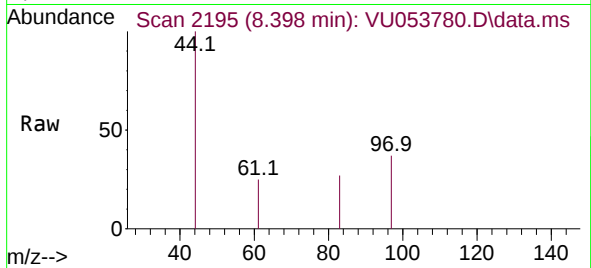




#52
1,1,2-Trichloroethane
Concen: 0.014 ug/l
RT: 8.398 min Scan# 2195
Delta R.T. -0.000 min
Lab File: VU053780.D
Acq: 19 Apr 2023 13:32

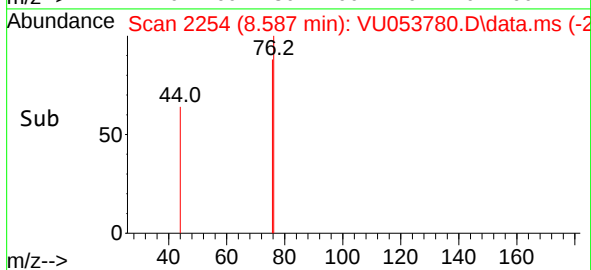
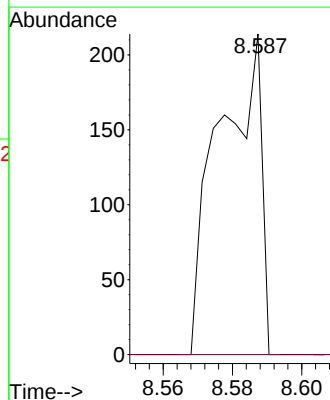
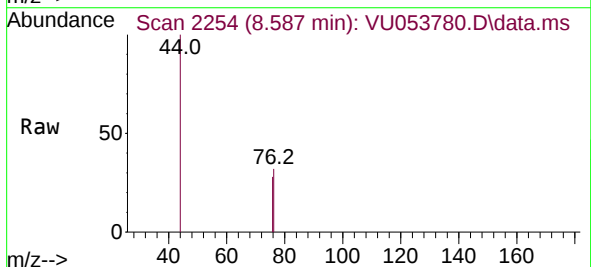
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

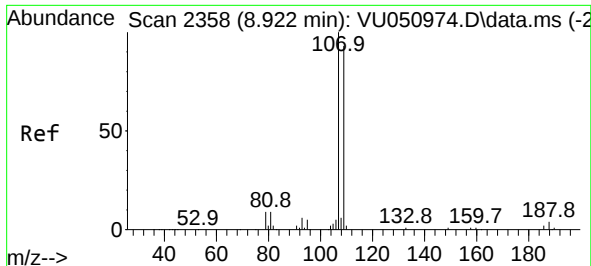
Tgt Ion:	97	Resp:	85
Ion	Ratio	Lower	Upper
97	100		
83	5.9	71.8	107.8#
85	0.0	45.2	67.8#
99	0.0	50.6	75.8#



#53
1,3-Dichloropropane
Concen: 0.017 ug/l
RT: 8.587 min Scan# 2254
Delta R.T. 0.016 min
Lab File: VU053780.D
Acq: 19 Apr 2023 13:32

Tgt Ion:	76	Resp:	181
Ion	Ratio	Lower	Upper
76	100		
78	0.0	25.9	38.9#

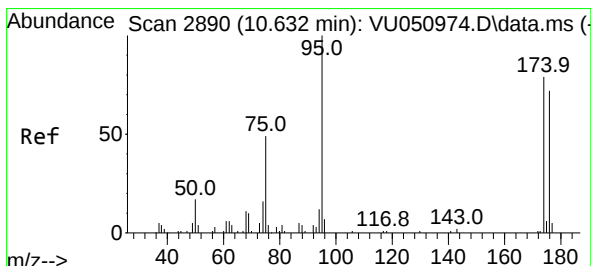
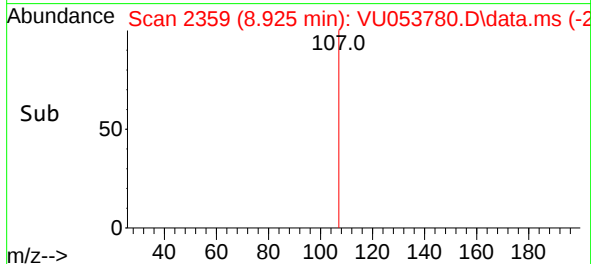
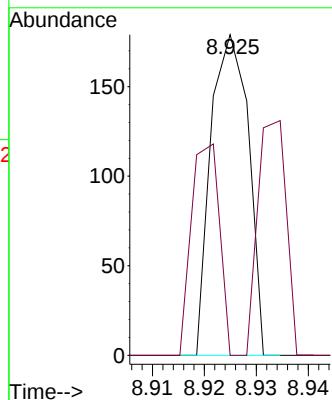
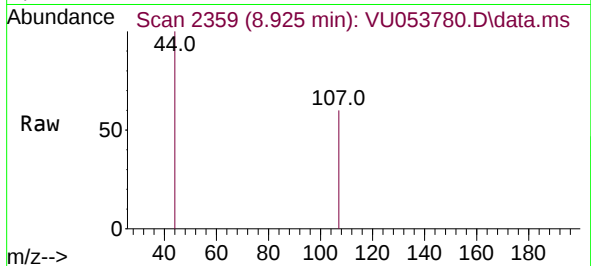




#56
1,2-Dibromoethane
Concen: 0.016 ug/l
RT: 8.925 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU053780.D
Acq: 19 Apr 2023 13:32

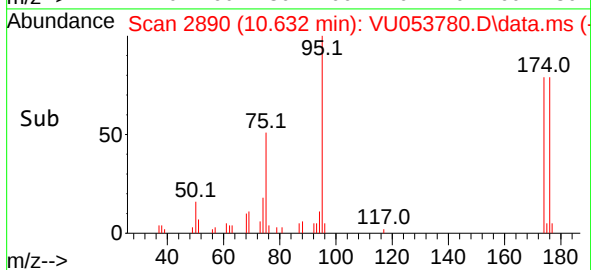
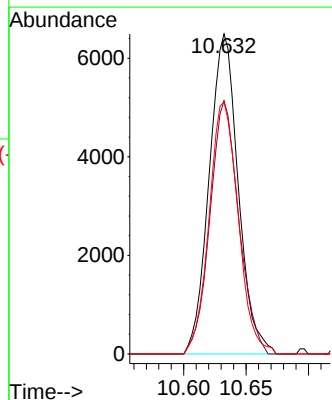
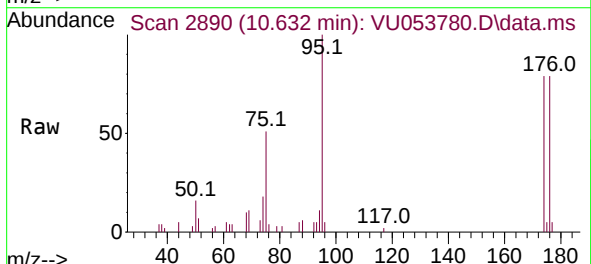
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

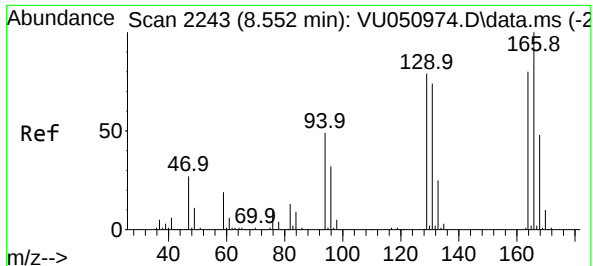
Tgt Ion:107 Resp: 90
Ion Ratio Lower Upper
107 100
109 48.9 0.0 184.4



#57
4-Bromofluorobenzene
Concen: 0.954 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.000 min
Lab File: VU053780.D
Acq: 19 Apr 2023 13:32

Tgt Ion: 95 Resp: 10519
Ion Ratio Lower Upper
95 100
174 78.5 63.3 94.9
176 79.0 59.3 88.9





#58

Tetrachloroethene

Concen: 0.076 ug/l

RT: 8.552 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU053780.D

Acq: 19 Apr 2023 13:32

Instrument :

MSVOA_U

ClientSampleId :

VIBLK

Tgt Ion:164 Resp: 612

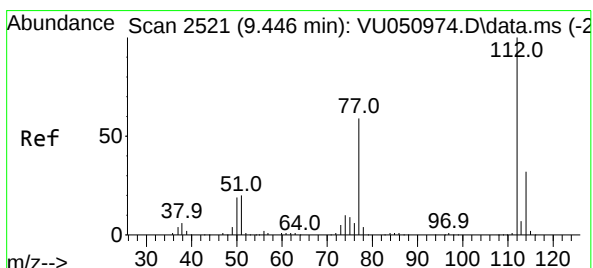
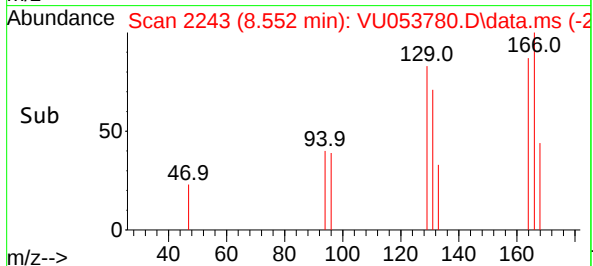
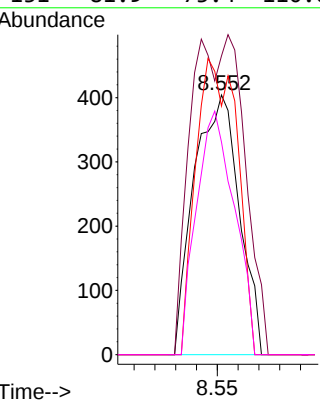
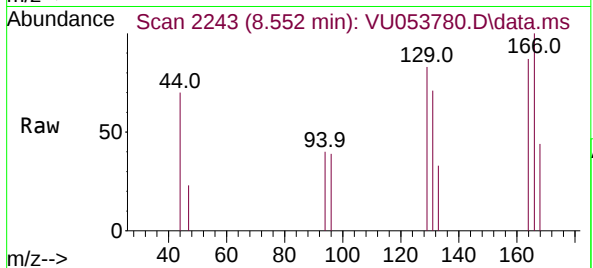
Ion Ratio Lower Upper

164 100

166 115.1 99.6 149.4

129 95.8 78.6 117.8

131 81.9 73.4 110.0



#59

Chlorobenzene

Concen: 0.105 ug/l

RT: 9.449 min Scan# 2522

Delta R.T. 0.006 min

Lab File: VU053780.D

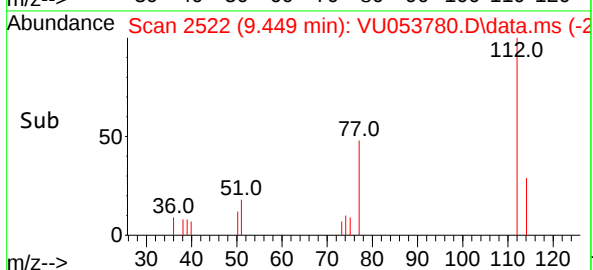
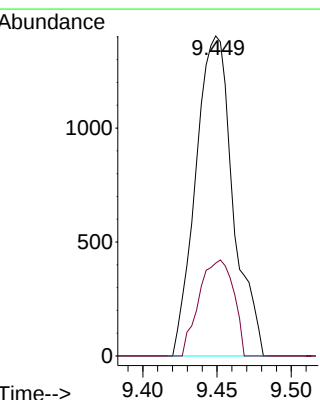
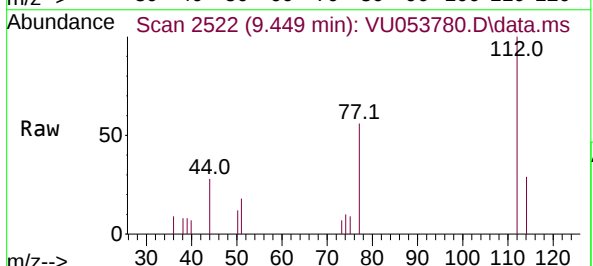
Acq: 19 Apr 2023 13:32

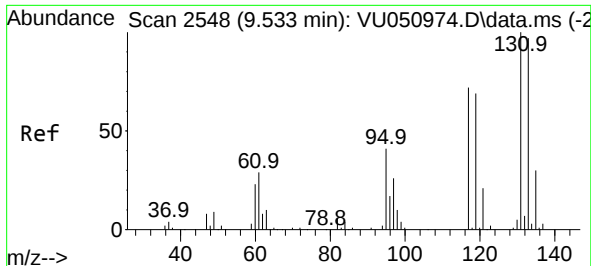
Tgt Ion:112 Resp: 2448

Ion Ratio Lower Upper

112 100

114 29.0 25.6 38.4

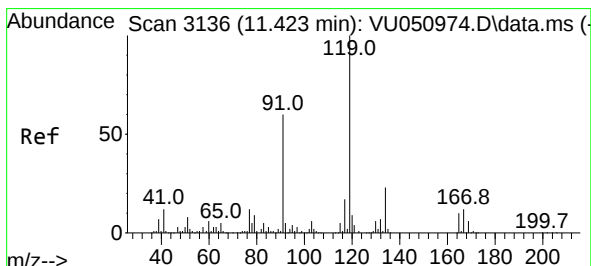
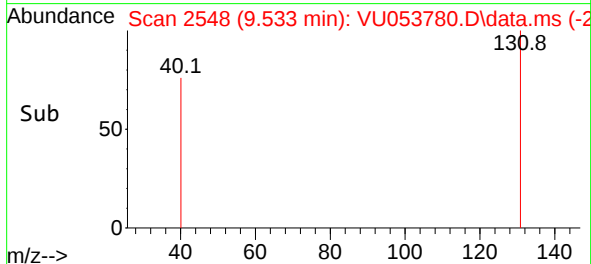
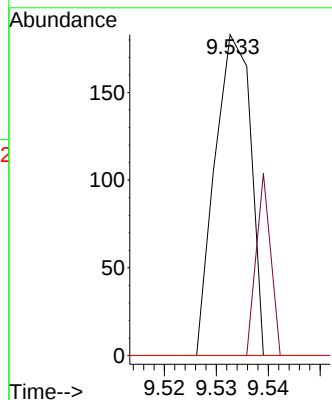
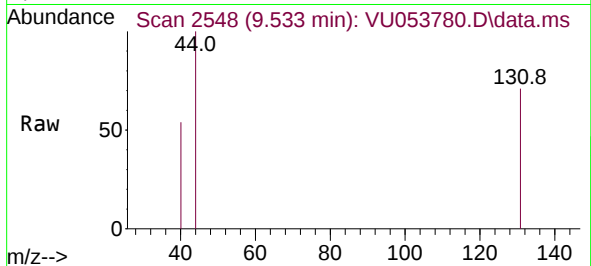




#60
1,1,1,2-Tetrachloroethane
Concen: 0.012 ug/l
RT: 9.533 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU053780.D
Acq: 19 Apr 2023 13:32

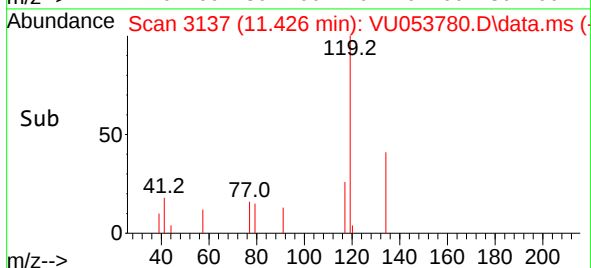
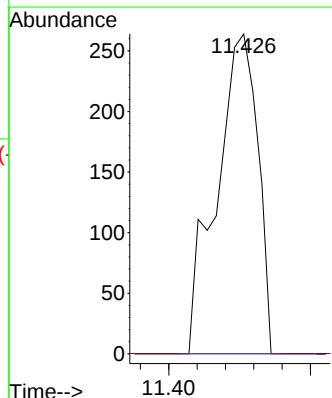
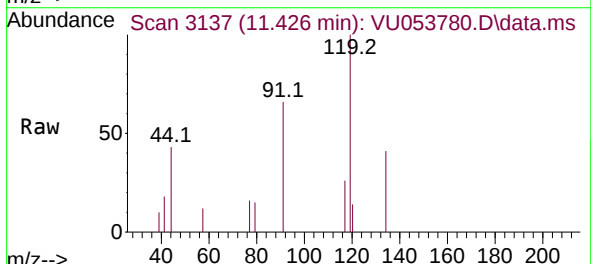
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

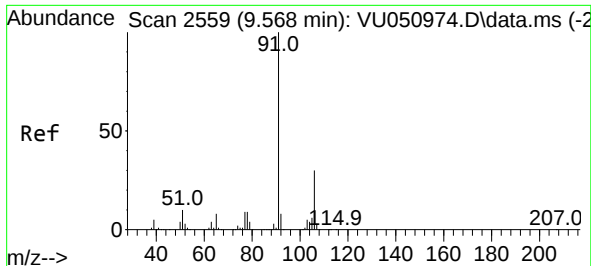
Tgt Ion:131 Resp: 87
Ion Ratio Lower Upper
131 100
133 23.0 77.8 116.6#
119 0.0 55.2 82.8#



#61
Pentachloroethane
Concen: 0.050 ug/l
RT: 11.426 min Scan# 3137
Delta R.T. 0.003 min
Lab File: VU053780.D
Acq: 19 Apr 2023 13:32

Tgt Ion:117 Resp: 267
Ion Ratio Lower Upper
117 100
167 0.0 56.7 85.1#

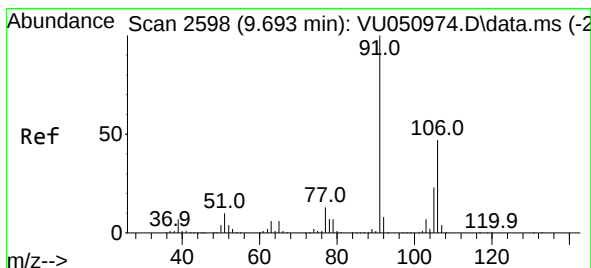
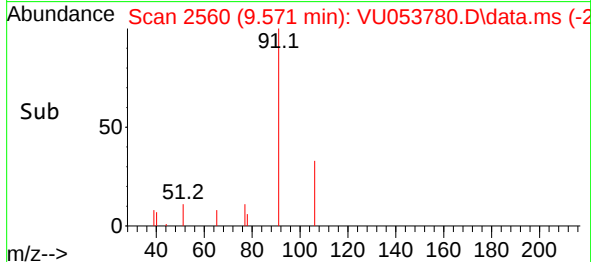
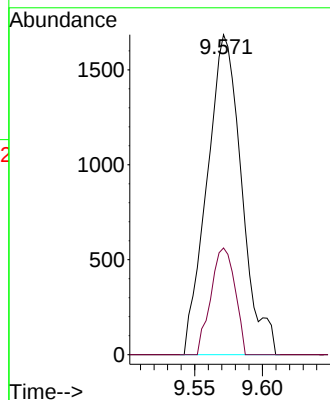
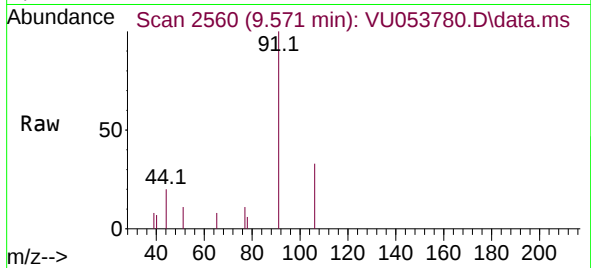




#63
Ethyl Benzene
Concen: 0.074 ug/l
RT: 9.571 min Scan# 2560
Delta R.T. 0.006 min
Lab File: VU053780.D
Acq: 19 Apr 2023 13:32

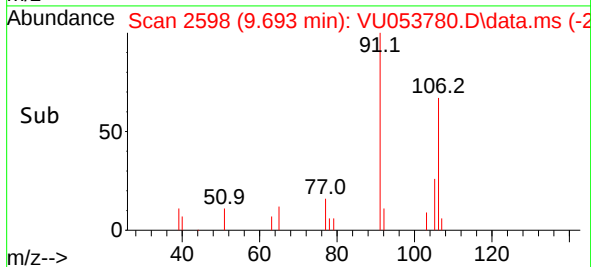
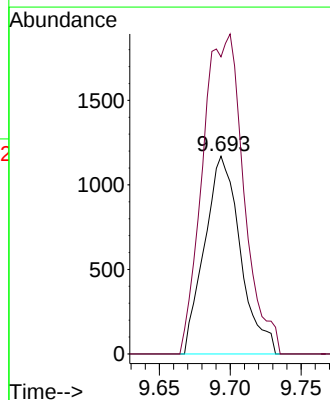
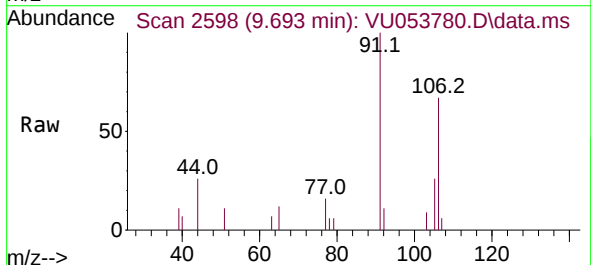
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

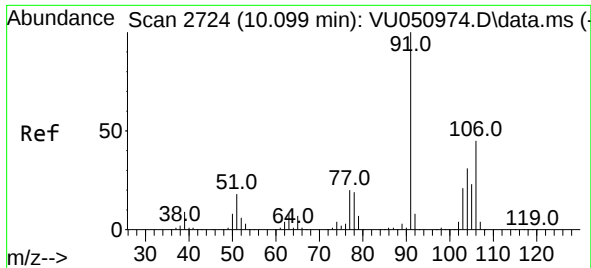
Tgt Ion: 91 Resp: 2992
Ion Ratio Lower Upper
91 100
106 33.4 24.2 36.2



#64
m/p-Xylenes
Concen: 0.132 ug/l
RT: 9.693 min Scan# 2598
Delta R.T. 0.003 min
Lab File: VU053780.D
Acq: 19 Apr 2023 13:32

Tgt Ion: 106 Resp: 2055
Ion Ratio Lower Upper
106 100
91 185.6 167.3 250.9

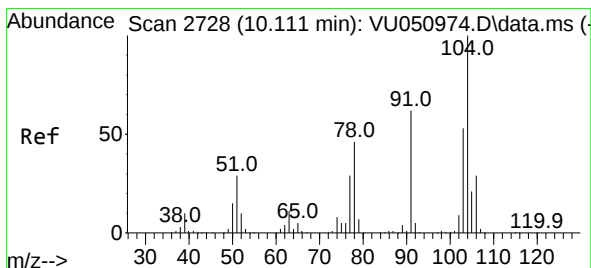
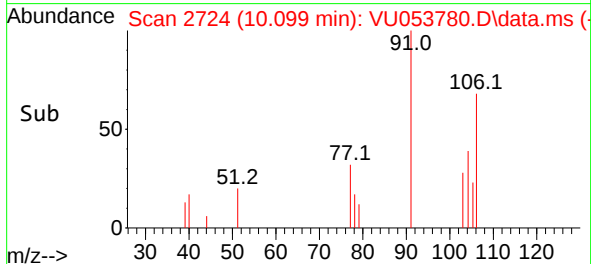
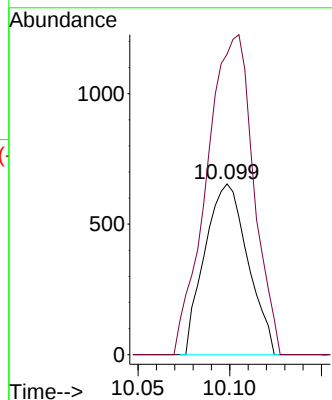
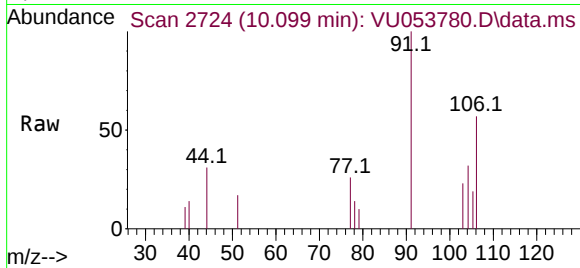




#65
o-Xylene
Concen: 0.070 ug/l
RT: 10.099 min Scan# 2724
Delta R.T. -0.000 min
Lab File: VU053780.D
Acq: 19 Apr 2023 13:32

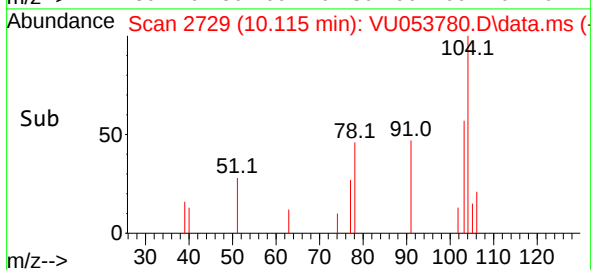
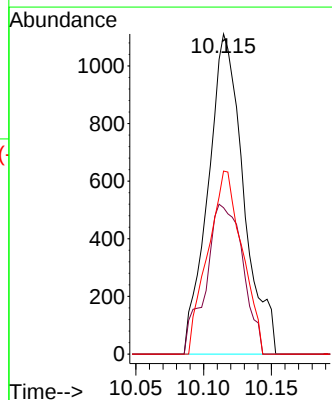
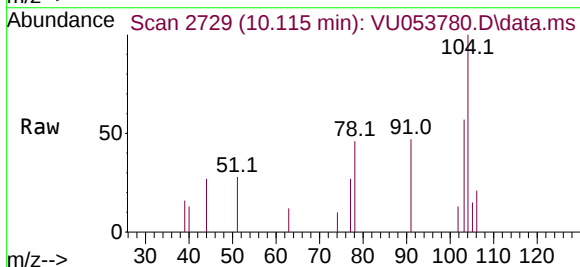
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

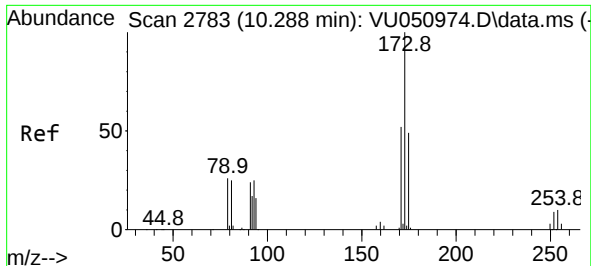
Tgt Ion:106 Resp: 1068
Ion Ratio Lower Upper
106 100
91 204.1 109.3 327.9



#66
Styrene
Concen: 0.086 ug/l
RT: 10.115 min Scan# 2729
Delta R.T. 0.003 min
Lab File: VU053780.D
Acq: 19 Apr 2023 13:32

Tgt Ion:104 Resp: 2023
Ion Ratio Lower Upper
104 100
78 48.7 39.7 59.5
103 55.4 44.8 67.2

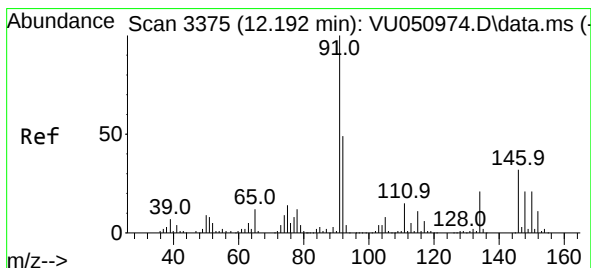
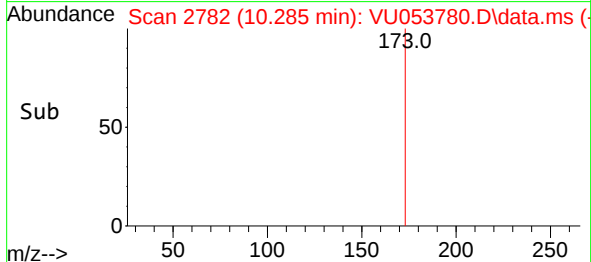
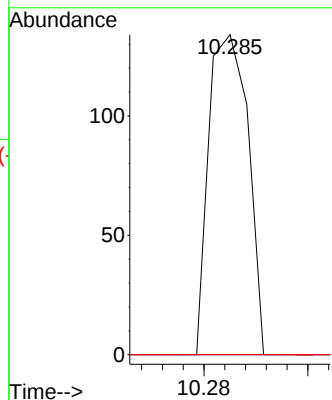
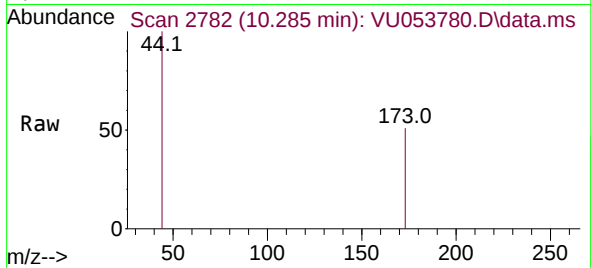




#67
Bromoform
Concen: 0.023 ug/l
RT: 10.285 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU053780.D
Acq: 19 Apr 2023 13:32

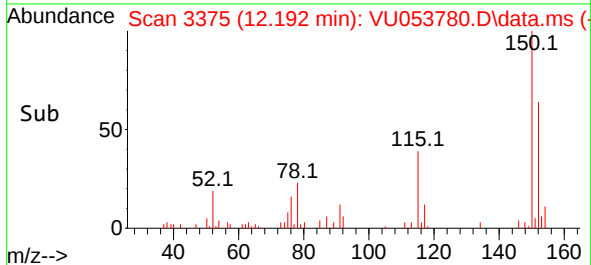
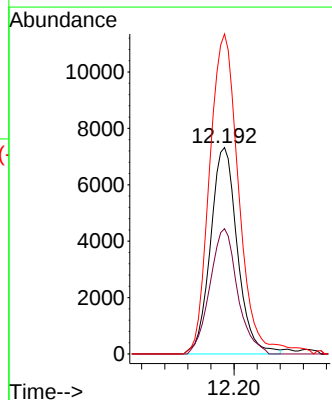
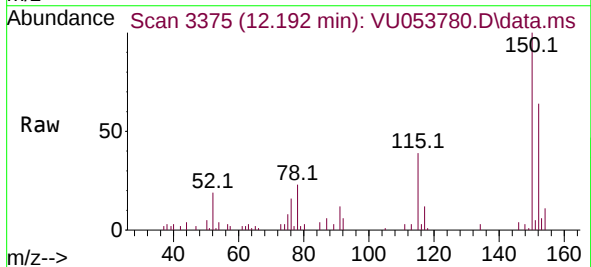
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

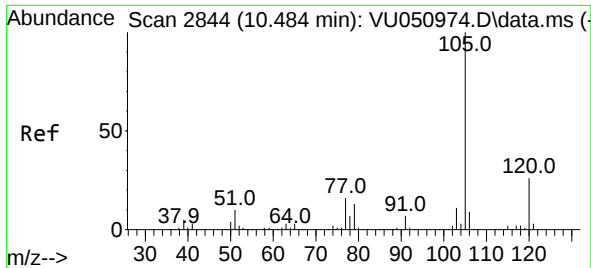
Tgt Ion:173 Resp: 70
Ion Ratio Lower Upper
173 100
175 0.0 39.0 58.6#
254 0.0 7.4 11.0#



#68
1,2-Dichlorobenzene-d4
Concen: 1.027 ug/l
RT: 12.192 min Scan# 3375
Delta R.T. 0.003 min
Lab File: VU053780.D
Acq: 19 Apr 2023 13:32

Tgt Ion:152 Resp: 11817
Ion Ratio Lower Upper
152 100
115 62.3 0.0 308.8
150 169.0 0.0 635.0

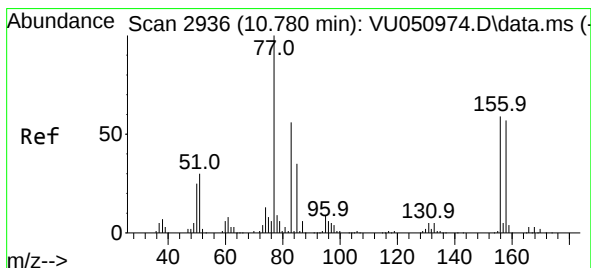
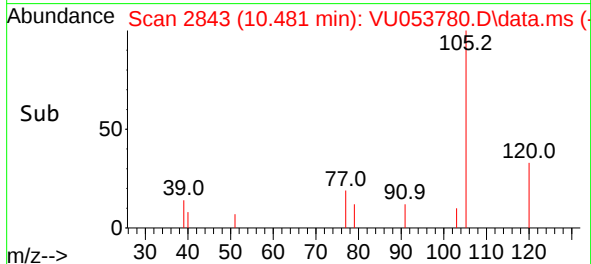
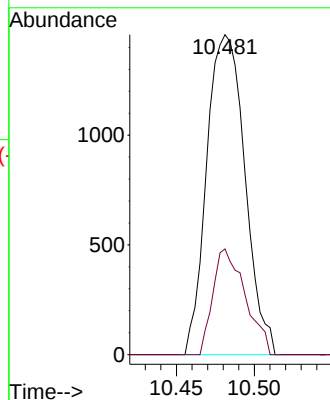
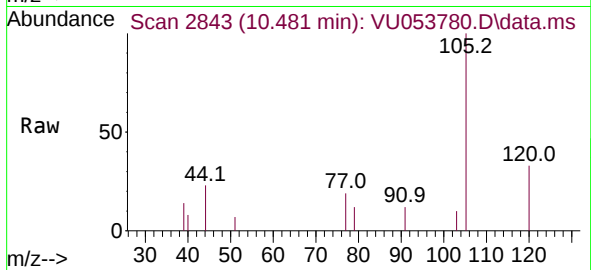




#69
Isopropylbenzene
Concen: 0.062 ug/l
RT: 10.481 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU053780.D
Acq: 19 Apr 2023 13:32

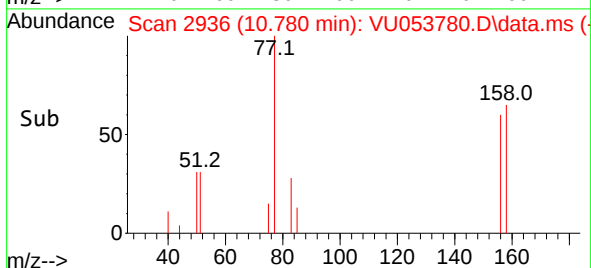
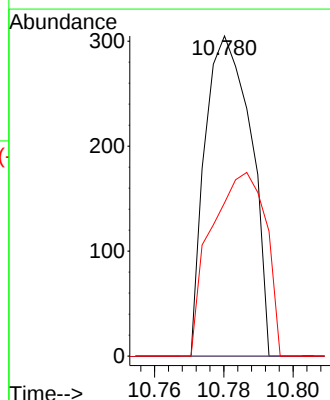
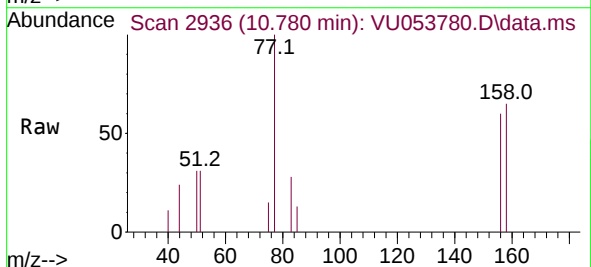
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

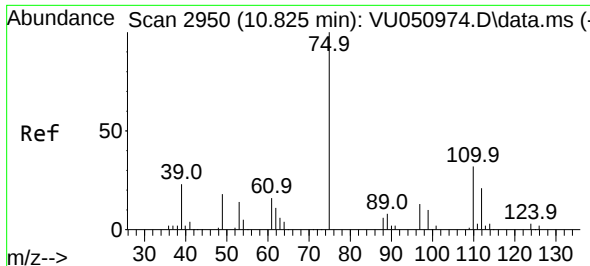
Tgt Ion:105 Resp: 2485
Ion Ratio Lower Upper
105 100
120 28.0 12.8 38.4



#70
1,1,2,2-Tetrachloroethane
Concen: 0.037 ug/l
RT: 10.780 min Scan# 2936
Delta R.T. 0.003 min
Lab File: VU053780.D
Acq: 19 Apr 2023 13:32

Tgt Ion: 83 Resp: 279
Ion Ratio Lower Upper
83 100
131 0.0 7.2 10.8#
85 68.8 50.5 75.7

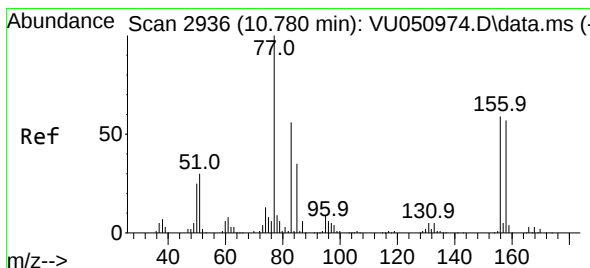
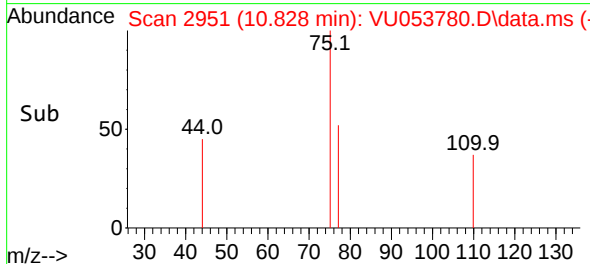
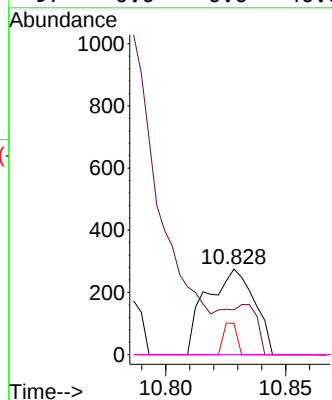
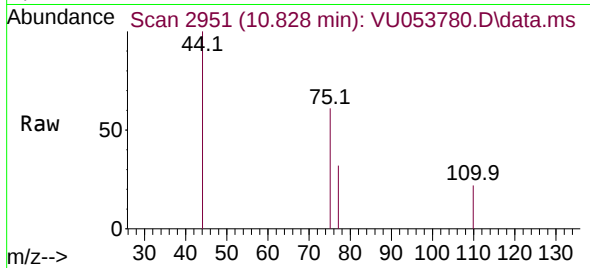




#71
1,2,3-Trichloropropane
Concen: 0.066 ug/l
RT: 10.828 min Scan# 2950
Delta R.T. 0.006 min
Lab File: VU053780.D
Acq: 19 Apr 2023 13:32

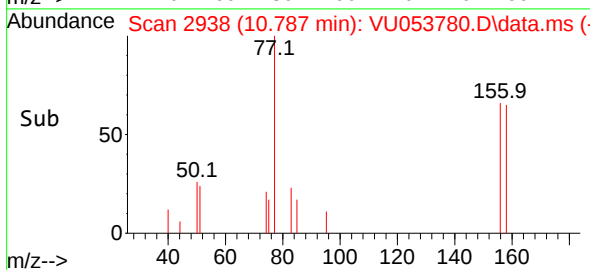
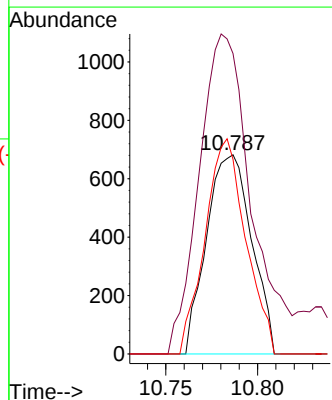
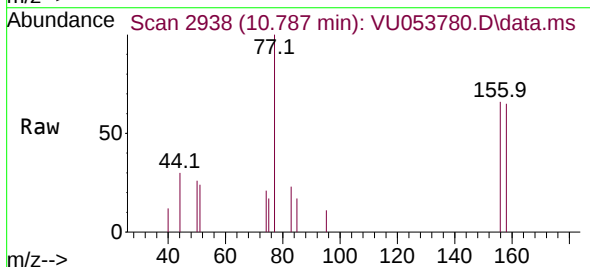
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

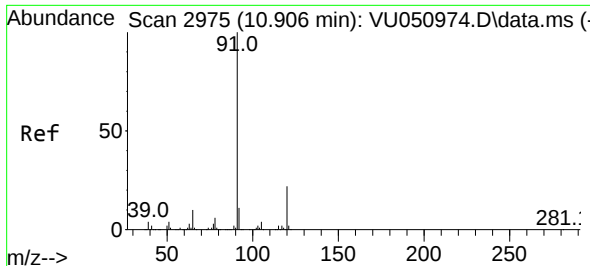
Tgt Ion:	75	Resp:	380
Ion	Ratio	Lower	Upper
75	100		
77	567.1	0.0	116.4#
110	10.3	0.0	74.6
97	0.0	0.0	40.0



#72
Bromobenzene
Concen: 0.134 ug/l
RT: 10.787 min Scan# 2938
Delta R.T. 0.006 min
Lab File: VU053780.D
Acq: 19 Apr 2023 13:32

Tgt Ion:	156	Resp:	1166
Ion	Ratio	Lower	Upper
156	100		
77	184.8	0.0	343.0
158	97.4	0.0	194.8

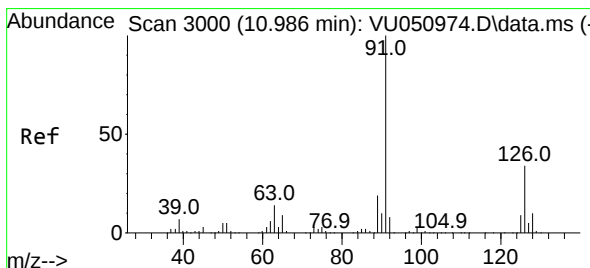
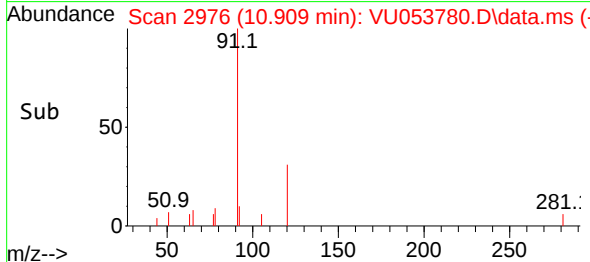
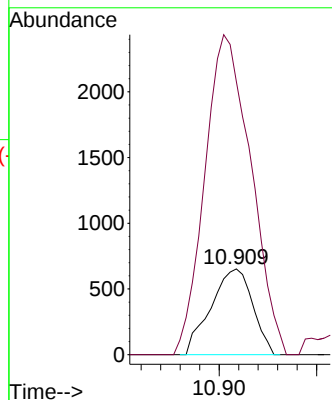
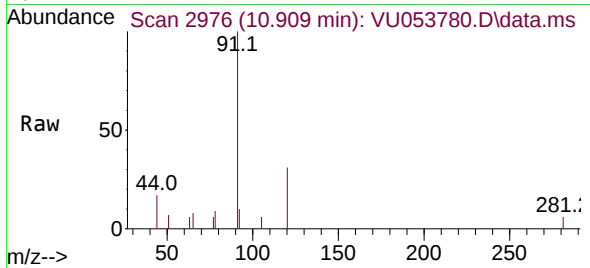




#73
n-propylbenzene
Concen: 0.090 ug/l
RT: 10.909 min Scan# 2975
Delta R.T. 0.006 min
Lab File: VU053780.D
Acq: 19 Apr 2023 13:32

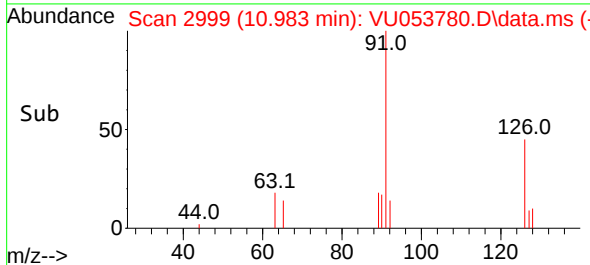
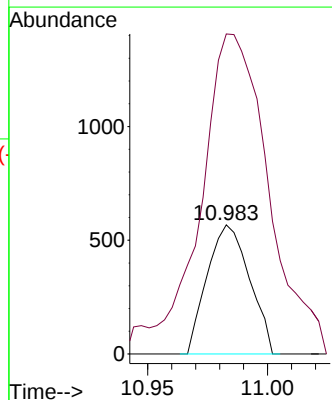
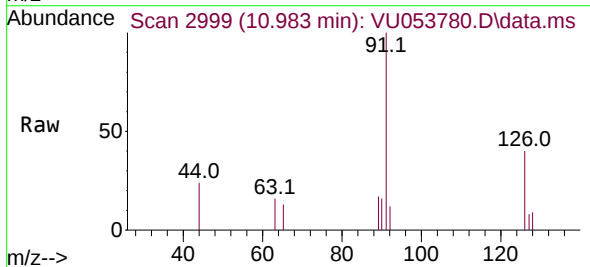
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

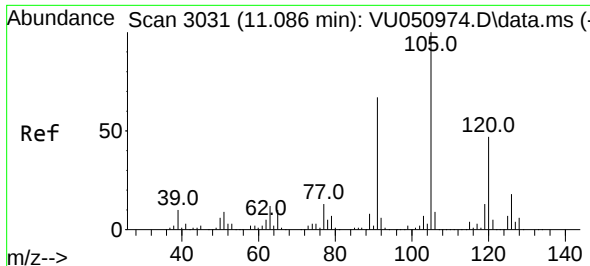
Tgt Ion:120 Resp: 972
Ion Ratio Lower Upper
120 100
91 411.7 369.8 554.6



#74
2-Chlorotoluene
Concen: 0.074 ug/l
RT: 10.983 min Scan# 2999
Delta R.T. -0.000 min
Lab File: VU053780.D
Acq: 19 Apr 2023 13:32

Tgt Ion:126 Resp: 697
Ion Ratio Lower Upper
126 100
91 401.7 0.0 610.0

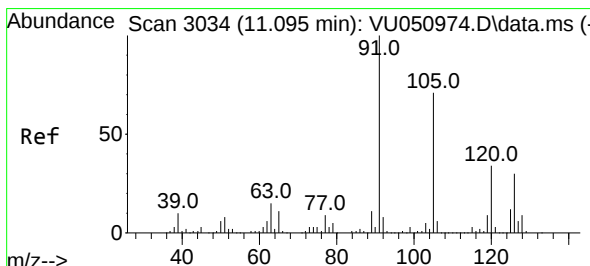
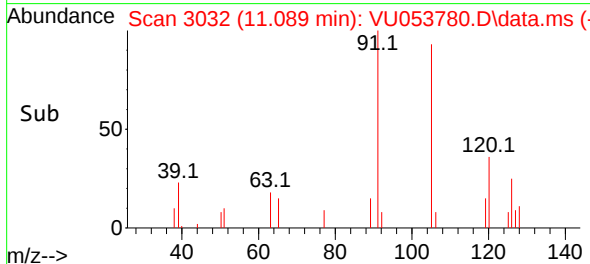
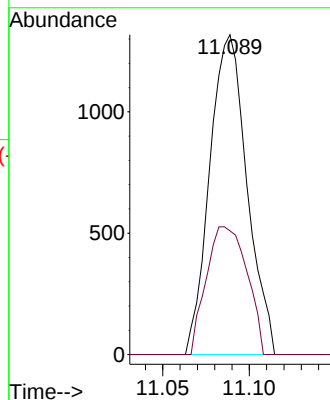
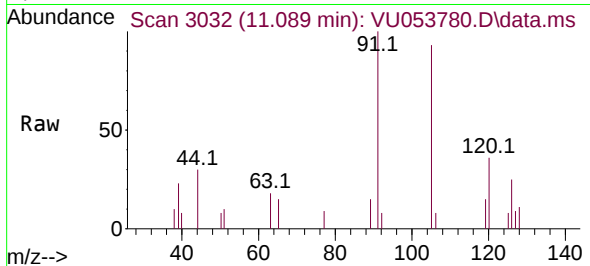




#75
1,3,5-Trimethylbenzene
Concen: 0.058 ug/l
RT: 11.089 min Scan# 3031
Delta R.T. 0.003 min
Lab File: VU053780.D
Acq: 19 Apr 2023 13:32

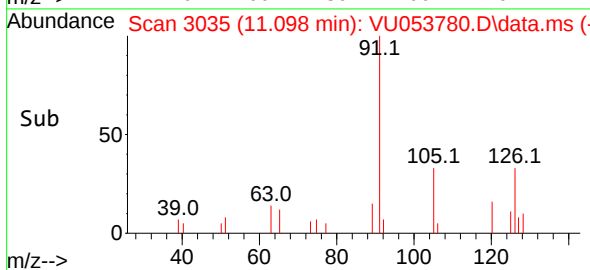
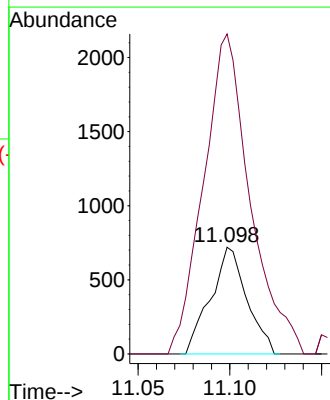
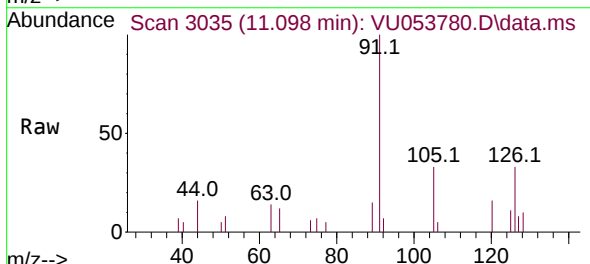
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

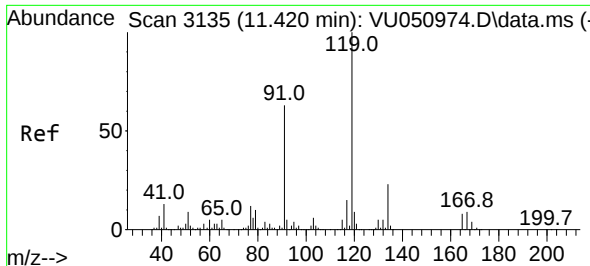
Tgt Ion:105 Resp: 1974
Ion Ratio Lower Upper
105 100
120 43.5 37.8 56.8



#76
4-Chlorotoluene
Concen: 0.101 ug/l
RT: 11.098 min Scan# 3035
Delta R.T. 0.006 min
Lab File: VU053780.D
Acq: 19 Apr 2023 13:32

Tgt Ion:126 Resp: 990
Ion Ratio Lower Upper
126 100
91 384.2 0.0 686.2

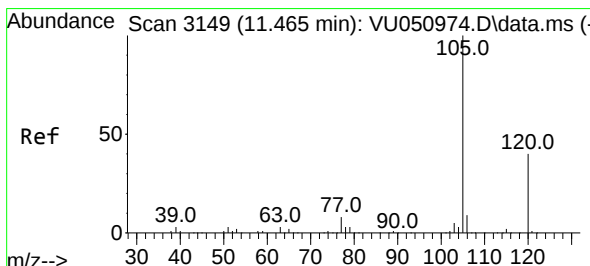
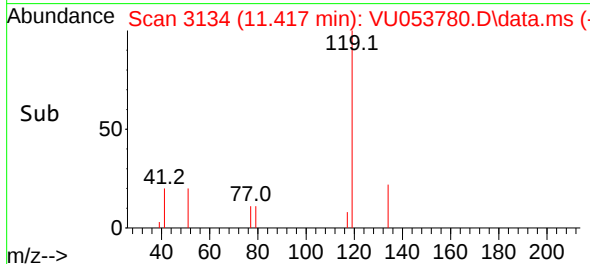
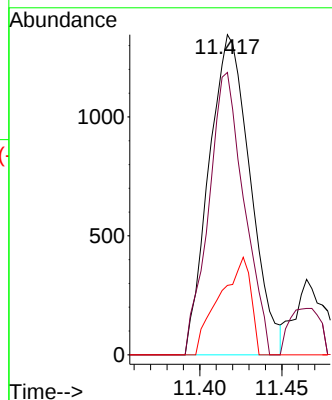
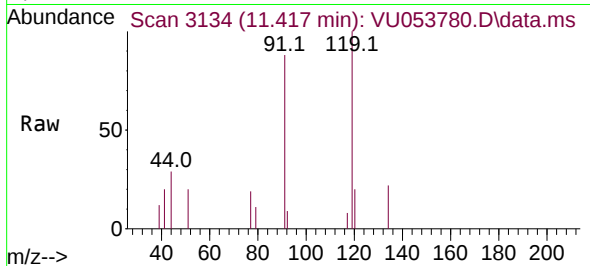




#77
tert-Butylbenzene
Concen: 0.073 ug/l
RT: 11.417 min Scan# 3135
Delta R.T. -0.000 min
Lab File: VU053780.D
Acq: 19 Apr 2023 13:32

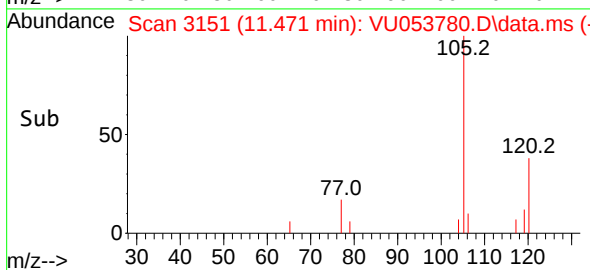
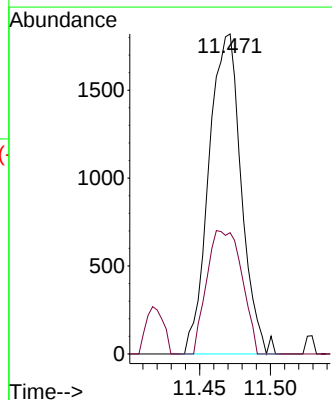
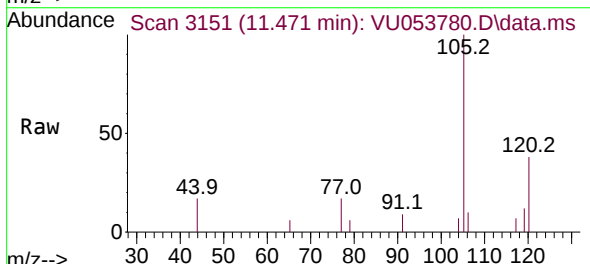
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

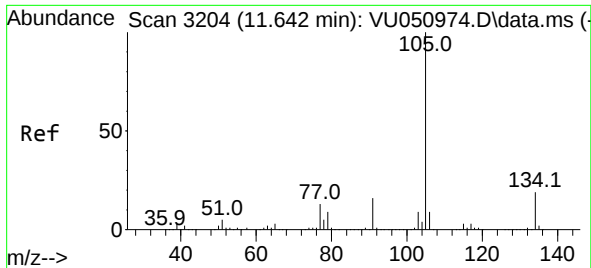
Tgt Ion:119 Resp: 2354
Ion Ratio Lower Upper
119 100
91 75.7 30.8 92.4
134 23.2 18.0 27.0



#78
1,2,4-Trimethylbenzene
Concen: 0.083 ug/l
RT: 11.471 min Scan# 3151
Delta R.T. 0.006 min
Lab File: VU053780.D
Acq: 19 Apr 2023 13:32

Tgt Ion:105 Resp: 2895
Ion Ratio Lower Upper
105 100
120 41.6 21.9 65.8





#79

sec-Butylbenzene

Concen: 0.094 ug/l

RT: 11.639 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU053780.D

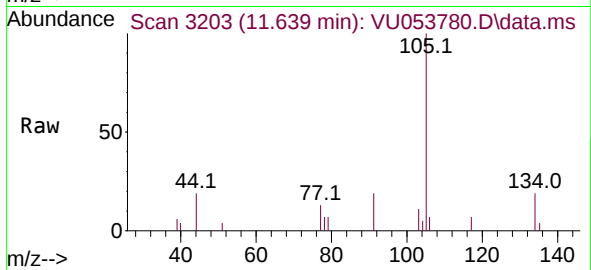
Acq: 19 Apr 2023 13:32

Instrument :

MSVOA_U

ClientSampleId :

VIBLK



Tgt Ion:105 Resp: 4304

Ion Ratio Lower Upper

105 100

134 16.5 14.9 22.3

