

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020923\
 Data File : VU053021.D
 Acq On : 09 Feb 2023 16:24
 Operator : JC/MD
 Sample : 01479-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TB-01-020723

Quant Time: Feb 10 01:22:10 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	6.109	96	32725	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	11250	1.033	ug/l	0.00
Spiked Amount 1.000			Recovery	=	103.000%	
68) 1,2-Dichlorobenzene-d4	12.189	152	9750	0.871	ug/l	0.00
Spiked Amount 1.000			Recovery	=	87.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.386	85	193	0.017	ug/l	# 43
3) Chloromethane	1.518	50	848	0.081	ug/l	99
4) Vinyl Chloride	1.759	62	40	0.004	ug/l	# 42
5) Bromomethane	1.862	94	207	0.039	ug/l	# 21
9) 1,1-Dichloroethene	2.572	96	33	0.004	ug/l	13
10) Iodomethane	2.727	142	272	0.032	ug/l	# 72
11) Allyl Chloride	2.923	41	255	0.028	ug/l	84
12) Acrylonitrile	3.328	53	105	0.065	ug/l	# 1
13) Acetone	2.662	43	236	0.103	ug/l	99
14) Carbon Disulfide	2.794	76	486	0.019	ug/l	# 1
15) Methylene Chloride	3.045	84	1837	0.199	ug/l	88
16) trans-1,2-Dichloroethene	3.354	96	147	0.017	ug/l	# 2
17) 1,1-Dichloroethane	3.839	63	64	0.004	ug/l	# 82
18) 2-Butanone	4.746	43	203	0.076	ug/l	76
19) Cyclohexane	5.379	56	179	0.014	ug/l	# 1
20) Methylcyclohexane	6.775	83	264	0.019	ug/l	# 57
21) 2,2-Dichloropropane	4.881	77	65	0.005	ug/l	92
22) cis-1,2-Dichloroethene	4.595	96	151	0.017	ug/l	57
23) Diethyl Ether	2.379	59	130	0.024	ug/l	# 18
24) tert-Butyl Alcohol	3.418	59	190	0.292	ug/l	91
25) Methyl tert-Butyl Ether	3.415	73	103	0.006	ug/l	# 1
26) Bromochloromethane	5.000	128	139	0.034	ug/l	# 1
27) Chloroform	5.135	83	125	0.008	ug/l	50
28) 1,1,1-Trichloroethane	5.328	97	62	0.004	ug/l	# 1
30) Carbon Tetrachloride	5.521	117	20	0.002	ug/l	# 12
31) Isopropyl Ether	3.977	45	86	0.004	ug/l	78
32) Ethyl-t-butyl ether	4.514	59	20	0.001	ug/l	# 31
33) Tert-Amyl methyl ether	6.109	73	397	0.023	ug/l	# 19
34) Propionitrile	4.772	54	58	0.095	ug/l	# 1
35) Benzene	5.768	78	19	0.001	ug/l	# 52
36) 1,2-Dichloroethane	5.727	62	43	0.004	ug/l	# 1
39) Methacrylonitrile	4.958	41	291	0.119	ug/l	# 62
40) Methyl acrylate	4.849	55	491	0.114	ug/l	# 78
41) Tetrahydrofuran	5.067	42	235	0.194	ug/l	# 49
42) 1-Chlorobutane	5.485	56	263	0.017	ug/l	68
44) Bromodichloromethane	7.119	83	92	0.008	ug/l	# 60
45) 4-Methyl-2-Pentanone	7.807	43	180	0.038	ug/l	# 29
46) t-1,4-Dichloro-2-butene	10.630	75	6046	2.460	ug/l	# 25
47) Methyl methacrylate	6.961	69	92	0.023	ug/l	# 1
48) Ethyl methacrylate	8.289	69	30	0.004	ug/l	81
49) Toluene	7.968	92	41	0.002	ug/l	# 1
52) 1,1,2-Trichloroethane	8.408	97	89	0.014	ug/l	# 26
54) 2-Hexanone	8.701	43	320	0.078	ug/l	# 56

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

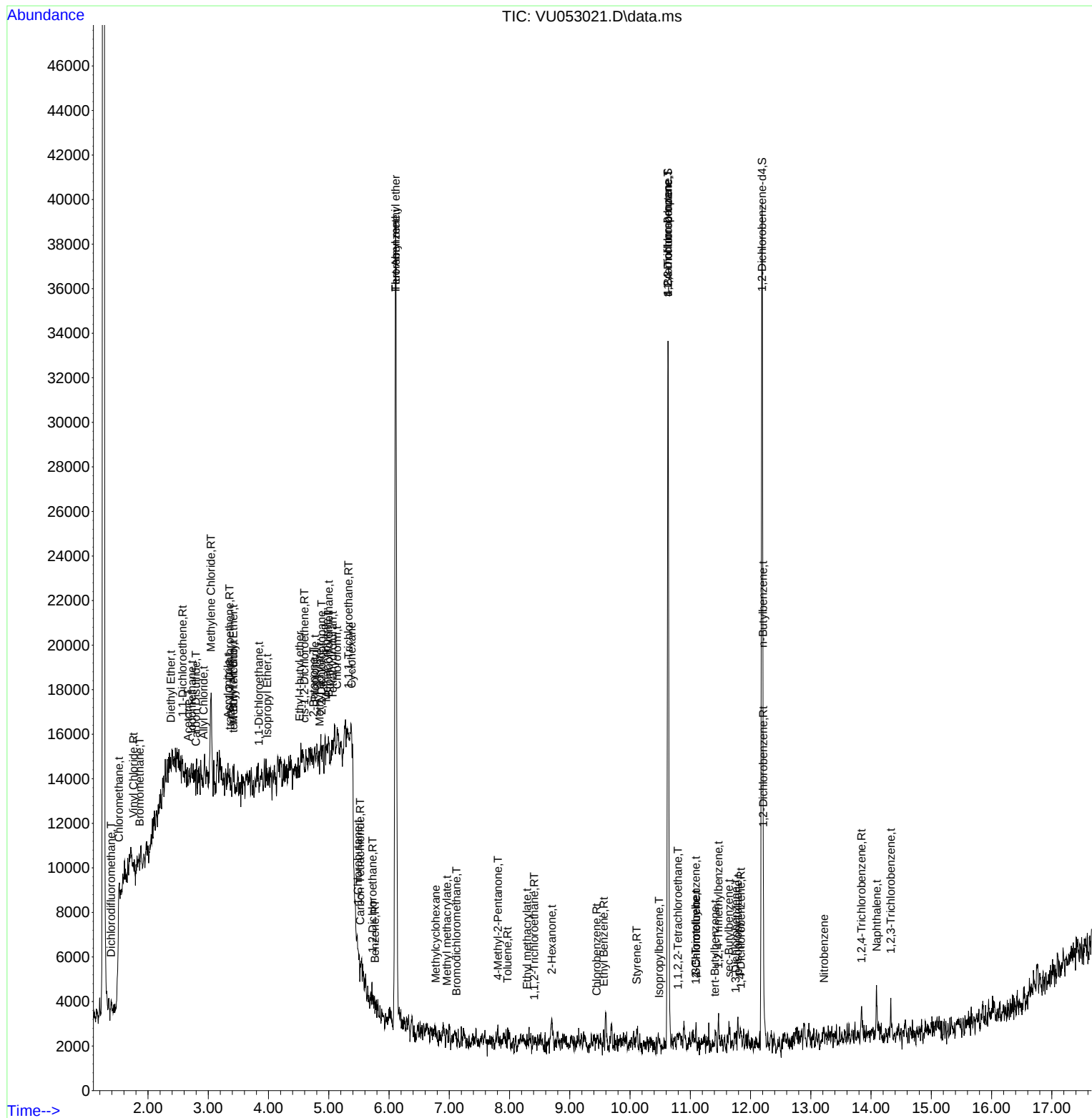
59) Chlorobenzene	9.447	112	39	0.002	ug/l #	43
63) Ethyl Benzene	9.566	91	339	0.009	ug/l #	43
66) Styrene	10.109	104	134	0.425	ug/l #	47
69) Isopropylbenzene	10.482	105	301	0.008	ug/l #	48
70) 1,1,2,2-Tetrachloroethane	10.794	83	238	0.030	ug/l #	69
71) 1,2,3-Trichloropropane	10.630	75	6046	0.883	ug/l #	44
74) 2-Chlorotoluene	11.096	126	52	0.006	ug/l #	1
75) 1,3,5-Trimethylbenzene	11.090	105	262	0.426	ug/l #	27
76) 4-Chlorotoluene	11.096	126	52	0.006	ug/l #	1
77) tert-Butylbenzene	11.408	119	124	0.004	ug/l #	32
78) 1,2,4-Trimethylbenzene	11.469	105	516	0.468	ug/l	82
79) sec-Butylbenzene	11.640	105	584	0.440	ug/l #	79
80) Nitrobenzene	13.218	77	263	0.537	ug/l #	41
81) p-Isopropyltoluene	11.787	119	679	0.500	ug/l #	72
82) 1,3-Dichlorobenzene	11.749	146	180	0.010	ug/l #	77
83) 1,4-Dichlorobenzene	11.839	146	378	0.020	ug/l #	63
84) n-Butylbenzene	12.205	91	1164	0.583	ug/l #	82
85) 1,2-Dichlorobenzene	12.212	146	262	0.015	ug/l	82
87) 1,2,4-Trichlorobenzene	13.839	180	603	0.056	ug/l #	86
89) Naphthalene	14.093	128	2078	0.100	ug/l #	87
90) 1,2,3-Trichlorobenzene	14.328	180	415	0.041	ug/l #	89

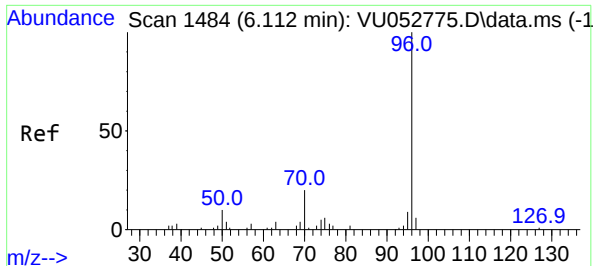
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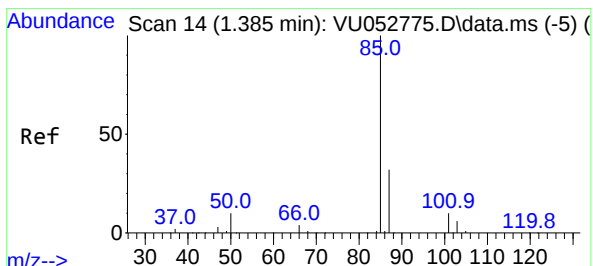
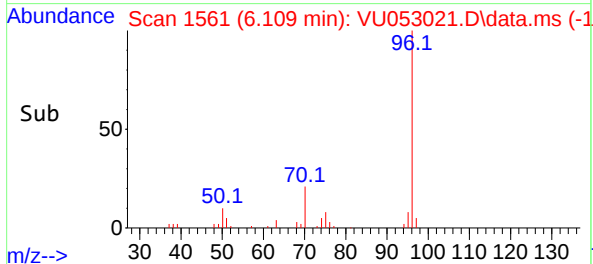
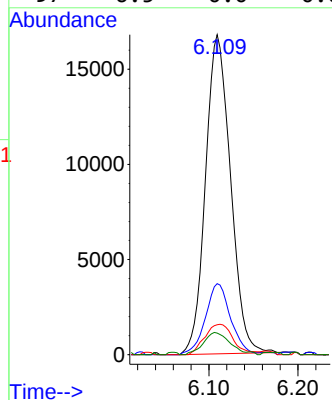
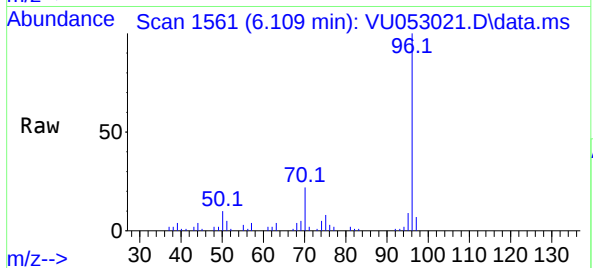




#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.109 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU053021.D
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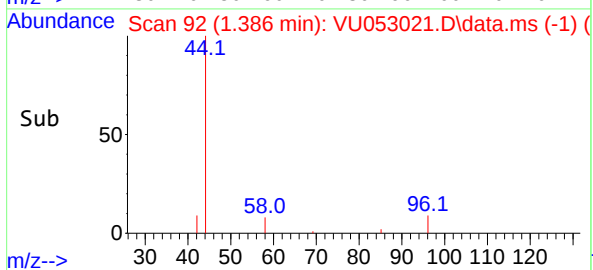
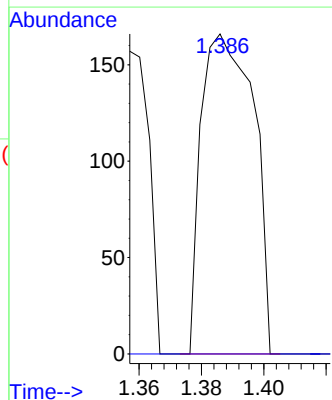
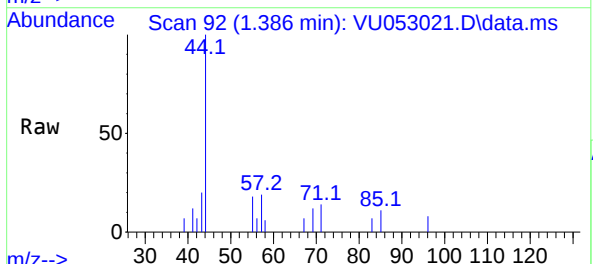
Instrument :
MSVOA_U
ClientSampleId :
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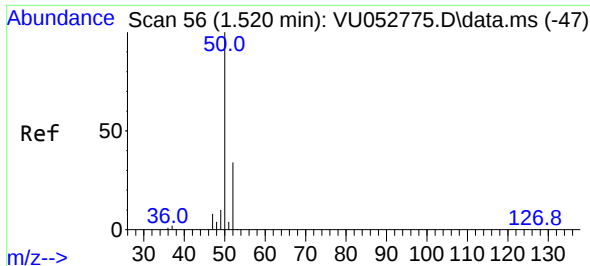
Tgt Ion: 96	Resp:	32725
Ion	Ratio	Lower Upper
96	100	
70	21.6	16.2 24.4
95	9.9	7.4 11.0
97	6.5	0.0 0.0



#2
Dichlorodifluoromethane
Concen: 0.017 ug/l
RT: 1.386 min Scan# 92
Delta R.T. 0.001 min
Lab File: VU053021.D
Acq: 09 Feb 2023 16:24

Tgt Ion: 85	Resp:	193
Ion	Ratio	Lower Upper
85	100	
87	0.0	16.1 48.2

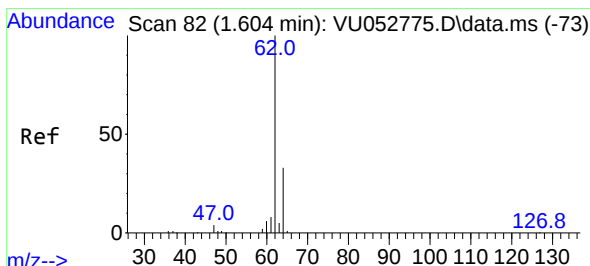
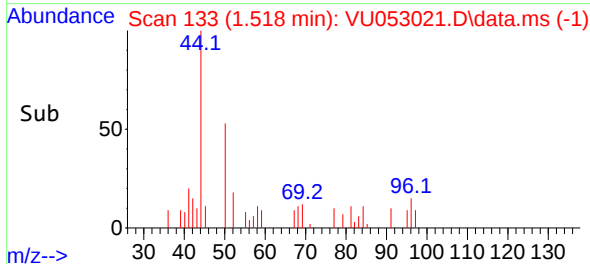
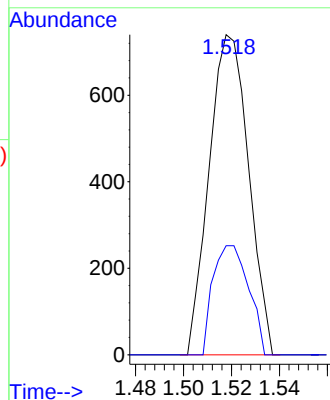
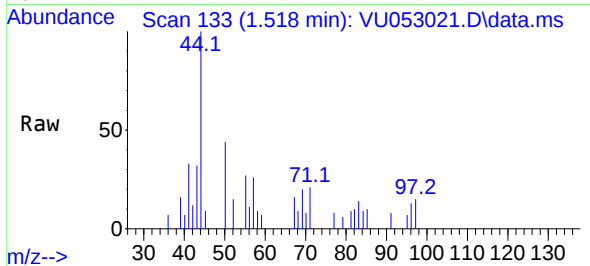




#3
Chloromethane
Concen: 0.081 ug/l
RT: 1.518 min Scan# 11
Delta R.T. -0.002 min
Lab File: VU053021.D
Acq: 09 Feb 2023 16:24

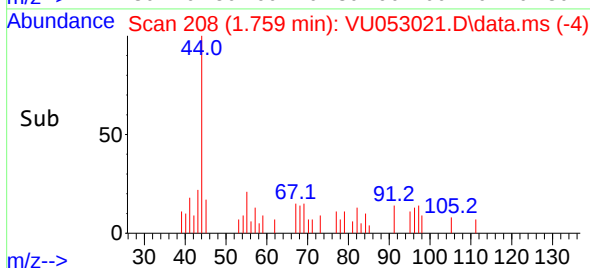
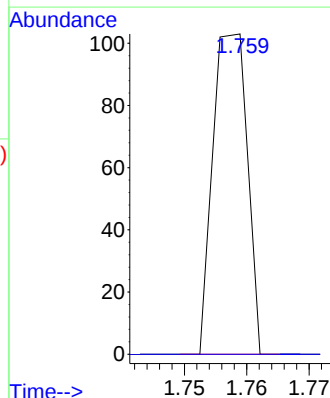
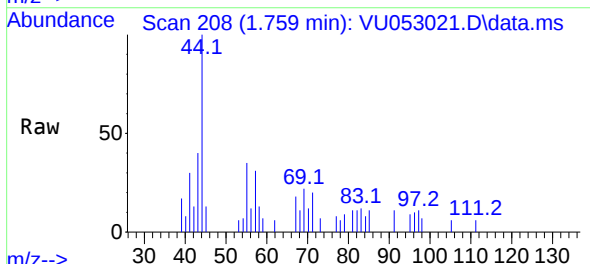
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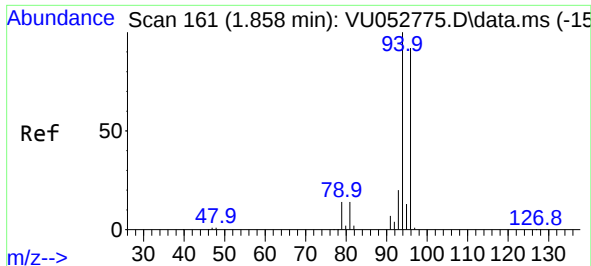
Tgt Ion: 50 Resp: 848
Ion Ratio Lower Upper
50 100
52 34.1 26.8 40.2



#4
Vinyl Chloride
Concen: 0.004 ug/l
RT: 1.759 min Scan# 208
Delta R.T. 0.155 min
Lab File: VU053021.D
Acq: 09 Feb 2023 16:24

Tgt Ion: 62 Resp: 40
Ion Ratio Lower Upper
62 100
64 0.0 26.0 39.0#

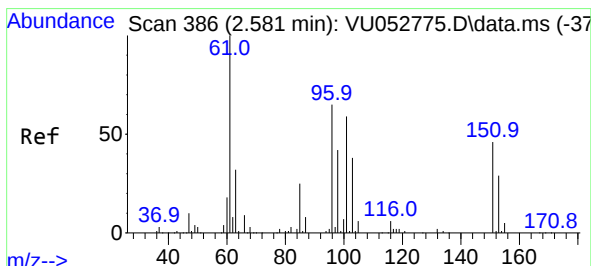
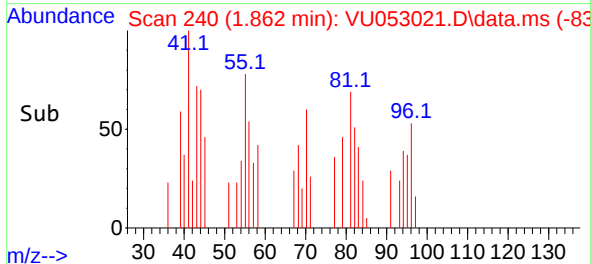
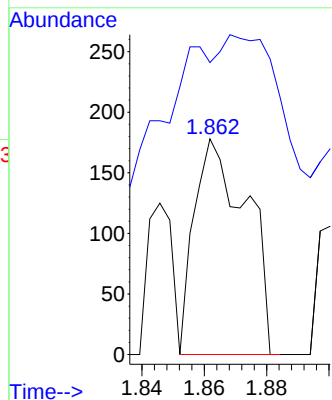
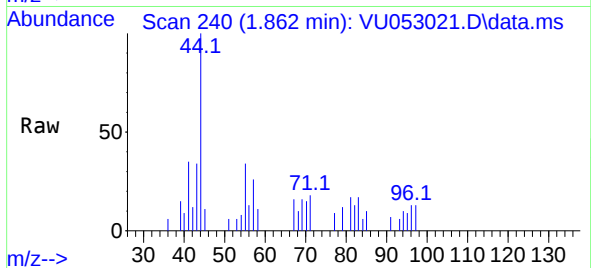




#5
Bromomethane
Concen: 0.039 ug/l
RT: 1.862 min Scan# 24
Delta R.T. 0.004 min
Lab File: VU053021.D
Acq: 09 Feb 2023 16:24

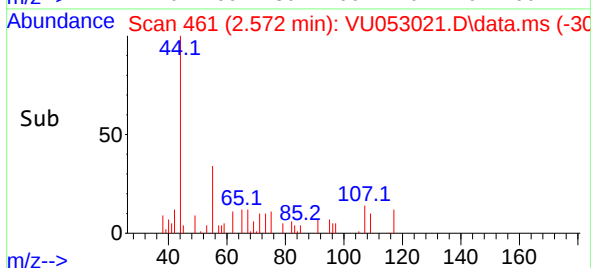
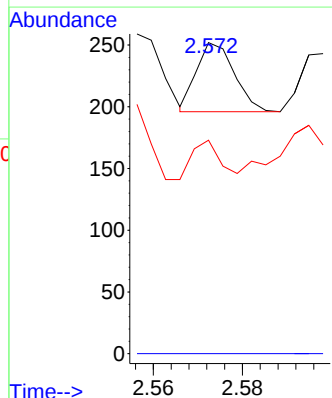
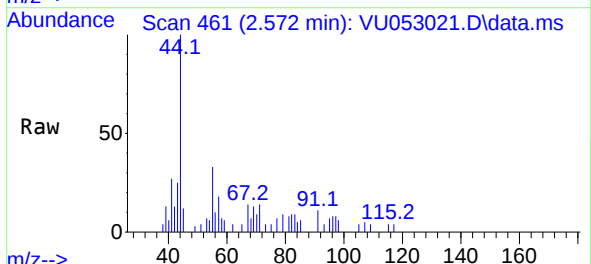
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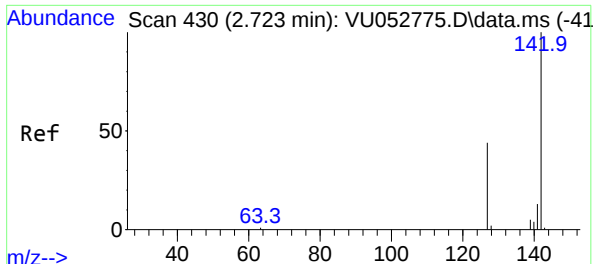
Tgt Ion: 94 Resp: 207
Ion Ratio Lower Upper
94 100
96 16.3 73.8 110.6#



#9
1,1-Dichloroethene
Concen: 0.004 ug/l
RT: 2.572 min Scan# 461
Delta R.T. -0.009 min
Lab File: VU053021.D
Acq: 09 Feb 2023 16:24

Tgt Ion: 96 Resp: 33
Ion Ratio Lower Upper
96 100
61 0.0 0.0 460.5
98 57.1 0.0 128.0

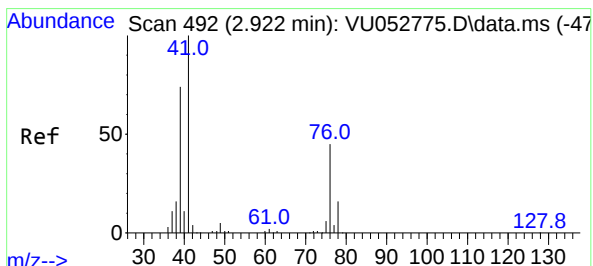
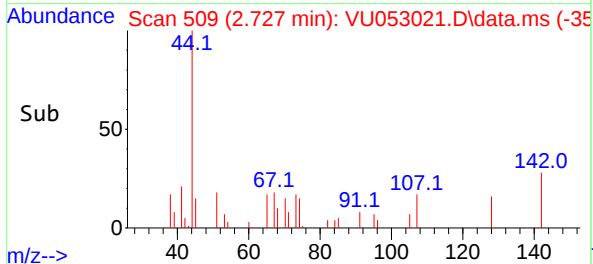
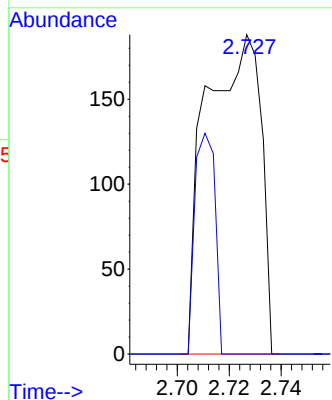
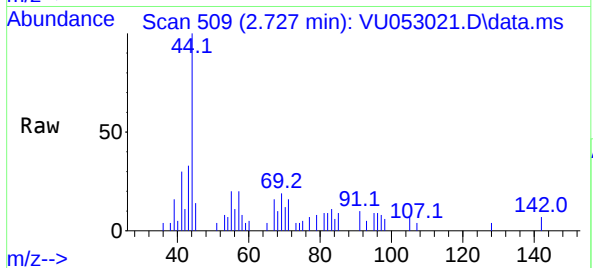




#10
Iodomethane
Concen: 0.032 ug/l
RT: 2.727 min Scan# 50
Delta R.T. 0.004 min
Lab File: VU053021.D
Acq: 09 Feb 2023 16:24

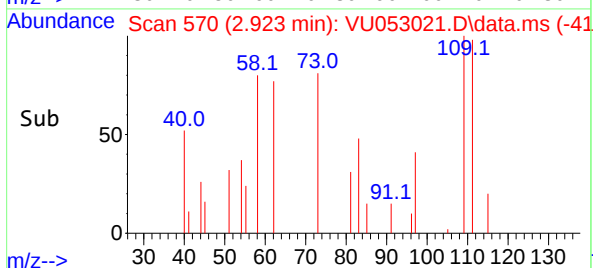
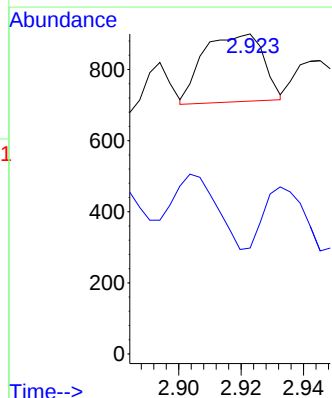
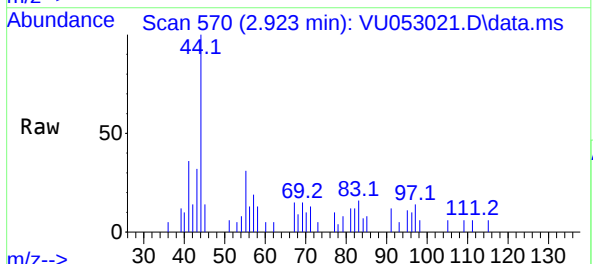
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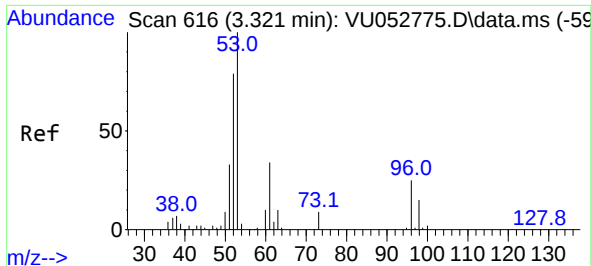
Tgt Ion:142 Resp: 272
Ion Ratio Lower Upper
142 100
127 25.7 35.4 53.0#



#11
Allyl Chloride
Concen: 0.028 ug/l
RT: 2.923 min Scan# 570
Delta R.T. 0.001 min
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Tgt Ion: 41 Resp: 255
Ion Ratio Lower Upper
41 100
39 60.4 59.3 88.9

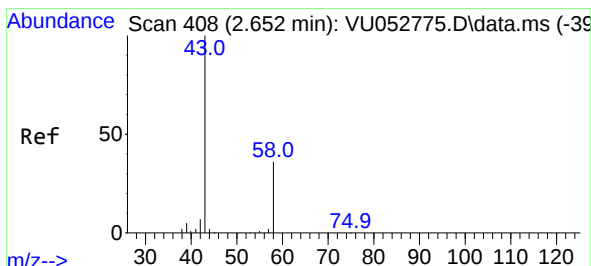
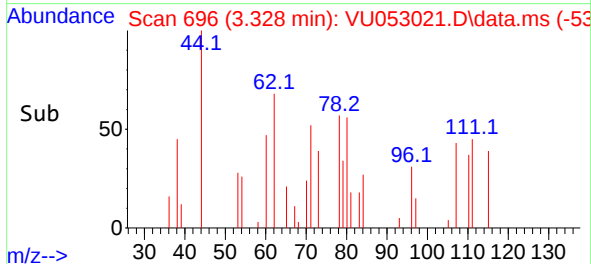
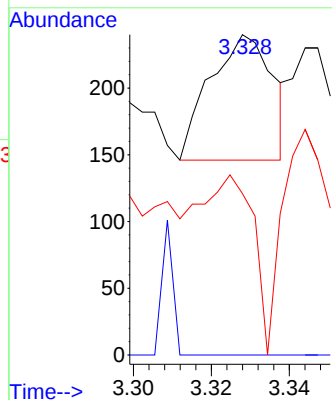
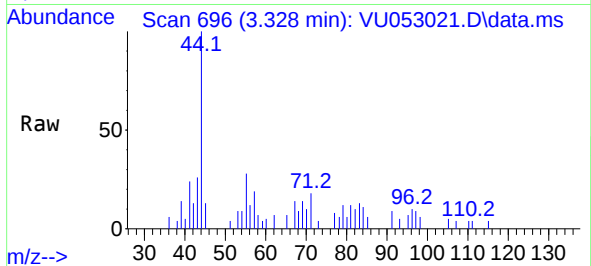




#12
Acrylonitrile
Concen: 0.065 ug/l
RT: 3.328 min Scan# 616
Delta R.T. 0.007 min
Lab File: VU053021.D
Acq: 09 Feb 2023 16:24

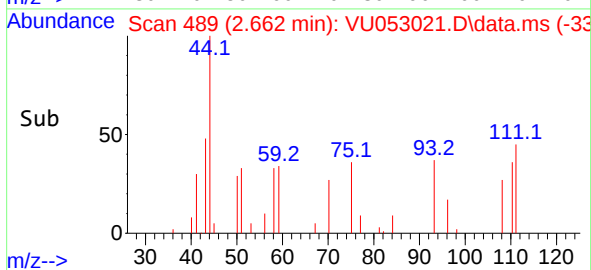
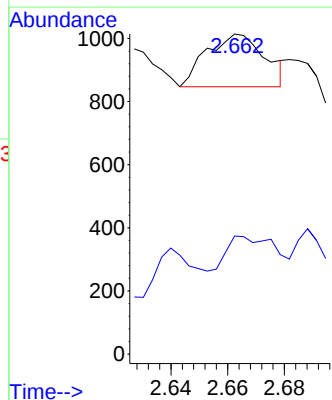
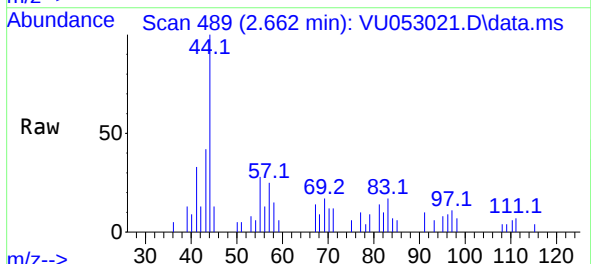
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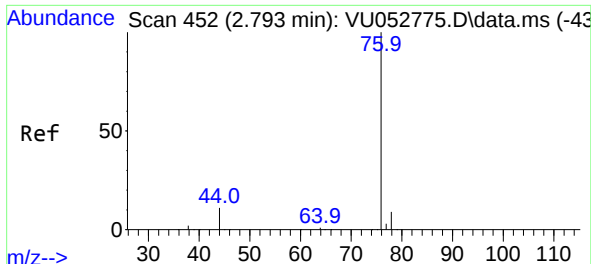
Tgt Ion: 53 Resp: 105
Ion Ratio Lower Upper
53 100
52 18.1 63.0 94.4#
51 143.8 31.3 46.9#



#13
Acetone
Concen: 0.103 ug/l
RT: 2.662 min Scan# 489
Delta R.T. 0.010 min
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Tgt Ion: 43 Resp: 236
Ion Ratio Lower Upper
43 100
58 36.5 29.0 43.4

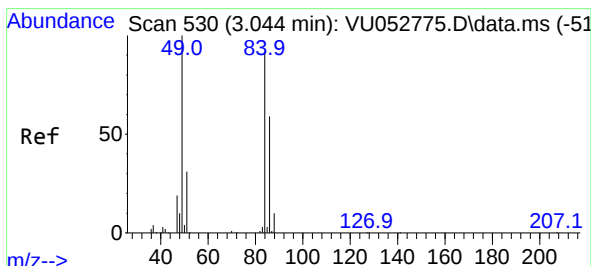
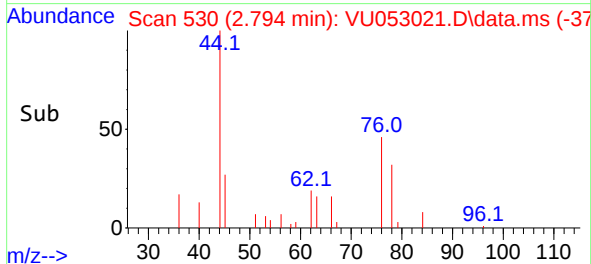
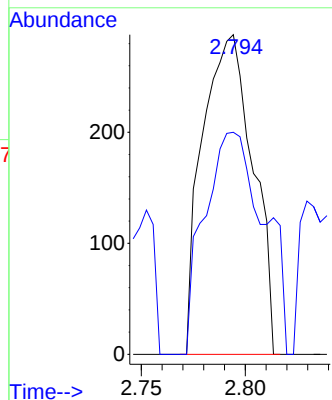
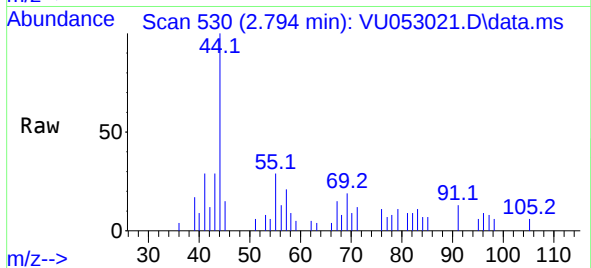




#14
Carbon Disulfide
Concen: 0.019 ug/l
RT: 2.794 min Scan# 51
Delta R.T. 0.001 min
Lab File: VU053021.D
Acq: 09 Feb 2023 16:24

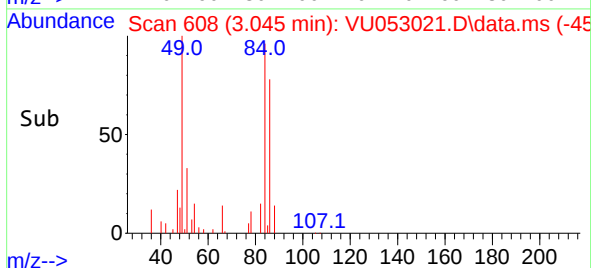
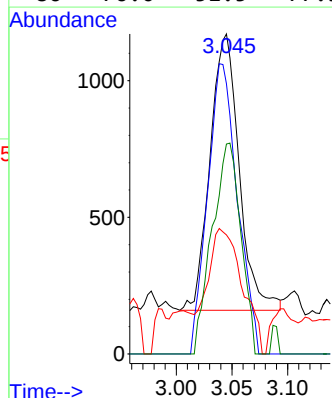
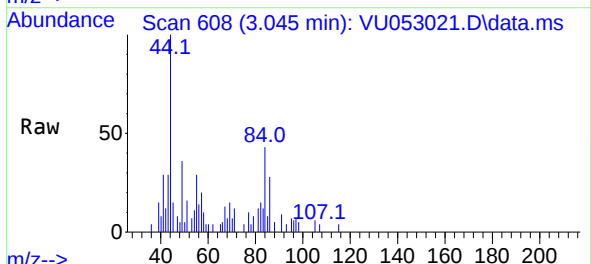
Instrument :
MSVOA_U
ClientSampleId :
TB-01-020723

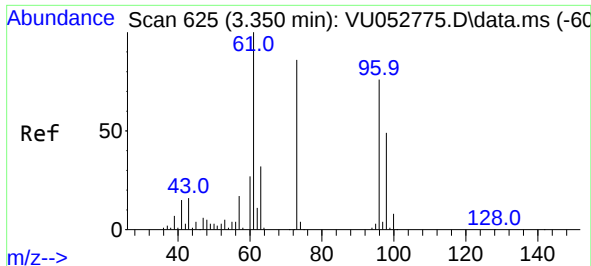
Tgt Ion: 76 Resp: 486
Ion Ratio Lower Upper
76 100
78 69.4 7.1 10.7#



#15
Methylene Chloride
Concen: 0.199 ug/l
RT: 3.045 min Scan# 608
Delta R.T. 0.001 min
Lab File: VU053021.D
Acq: 09 Feb 2023 16:24

Tgt Ion: 84 Resp: 1837
Ion Ratio Lower Upper
84 100
49 97.8 86.7 130.1
51 27.6 0.0 66.8
86 76.0 51.5 77.3

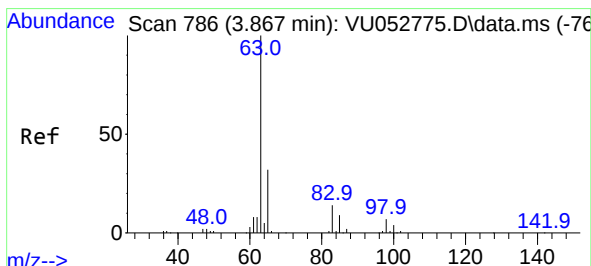
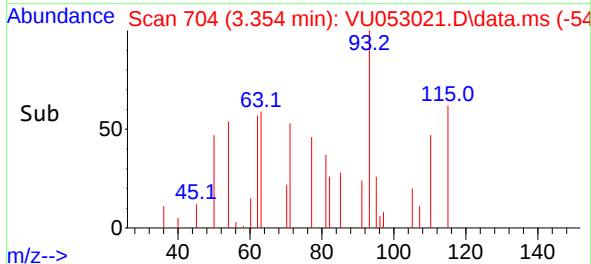
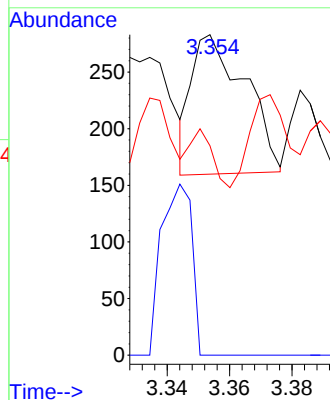
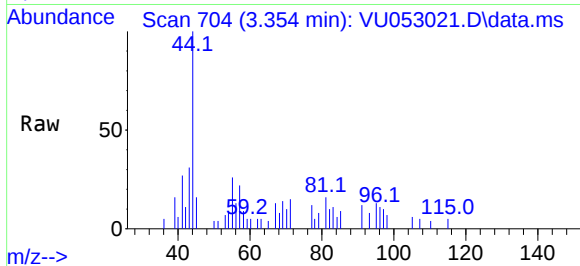




#16
trans-1,2-Dichloroethene
Concen: 0.017 ug/l
RT: 3.354 min Scan# 704
Delta R.T. 0.004 min
Lab File: VU053021.D
Acq: 09 Feb 2023 16:24

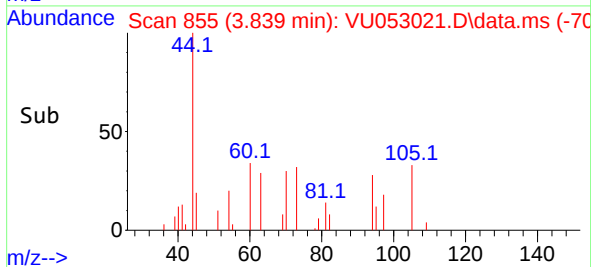
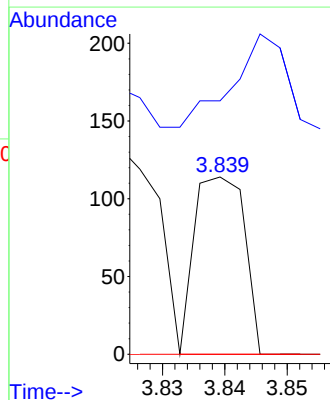
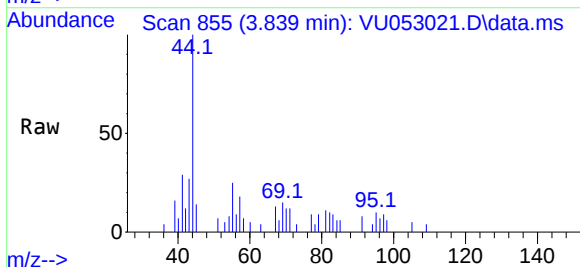
Instrument :
MSVOA_U
ClientSampleId :
TB-01-020723

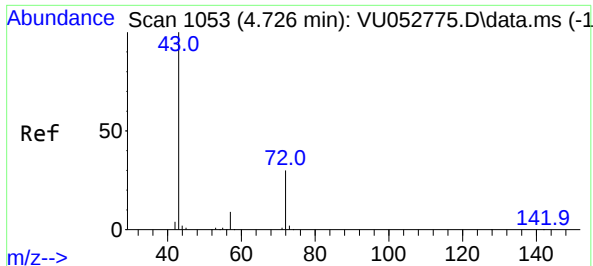
Tgt Ion: 96 Resp: 147
Ion Ratio Lower Upper
96 100
61 0.0 105.7 158.5#
98 10.3 51.4 77.2#



#17
1,1-Dichloroethane
Concen: 0.004 ug/l
RT: 3.839 min Scan# 855
Delta R.T. -0.028 min
Lab File: VU053021.D
Acq: 09 Feb 2023 16:24

Tgt Ion: 63 Resp: 64
Ion Ratio Lower Upper
63 100
98 14.9 3.8 11.2#
100 0.0 2.2 6.6#

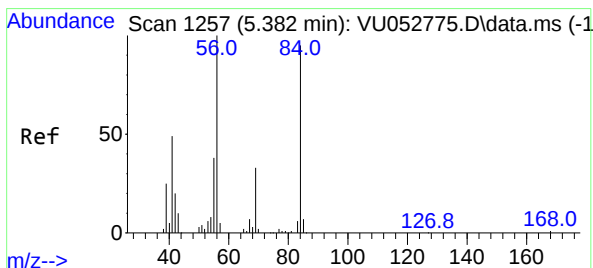
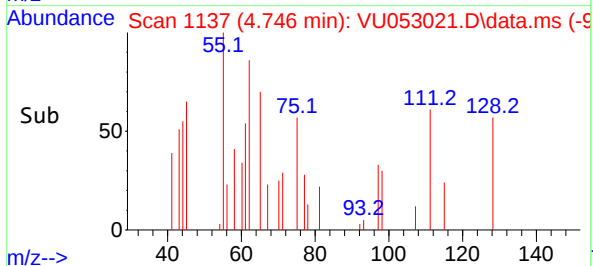
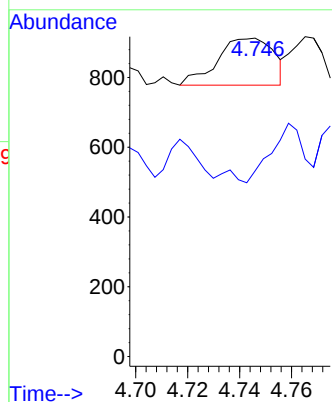
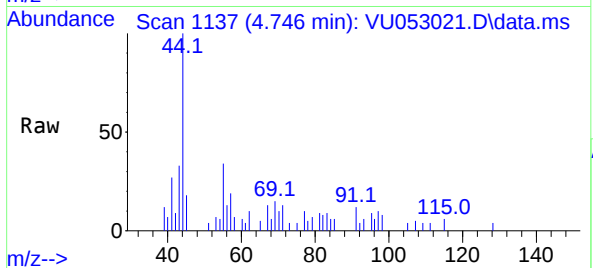




#18
2-Butanone
Concen: 0.076 ug/l
RT: 4.746 min Scan# 1137
Delta R.T. 0.020 min
Lab File: VU053021.D
Acq: 09 Feb 2023 16:24

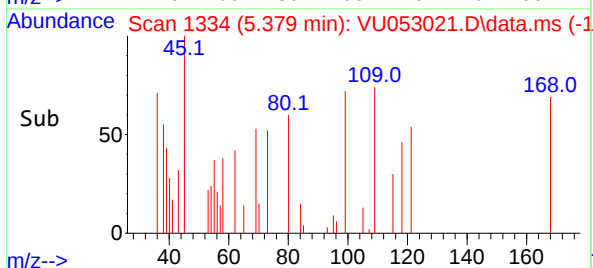
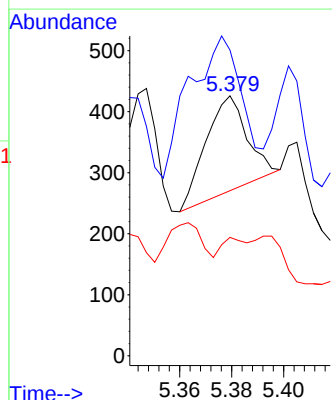
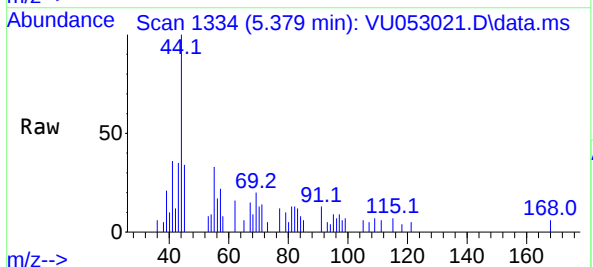
Instrument :
MSVOA_U
ClientSampleId :
TB-01-020723

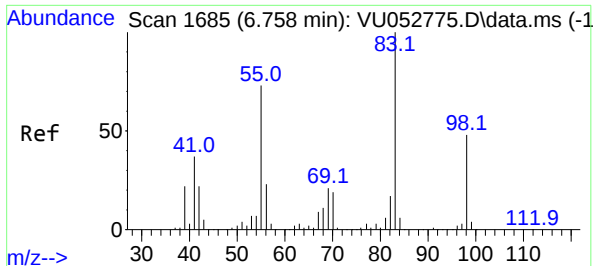
Tgt Ion: 43 Resp: 203
Ion Ratio Lower Upper
43 100
57 0.0 0.0 17.4



#19
Cyclohexane
Concen: 0.014 ug/l
RT: 5.379 min Scan# 1334
Delta R.T. -0.002 min
Lab File: VU053021.D
Acq: 09 Feb 2023 16:24

Tgt Ion: 56 Resp: 179
Ion Ratio Lower Upper
56 100
69 150.8 26.8 40.2#
84 28.5 77.0 115.6#

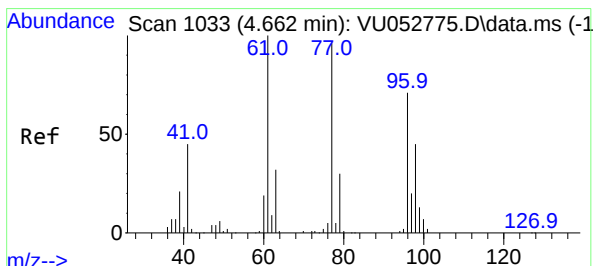
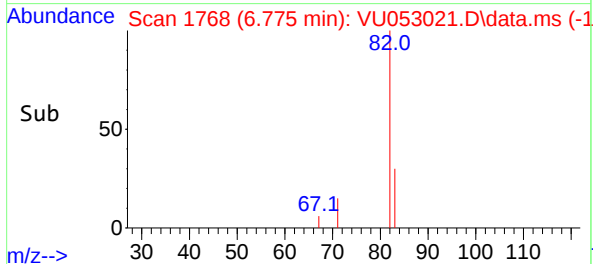
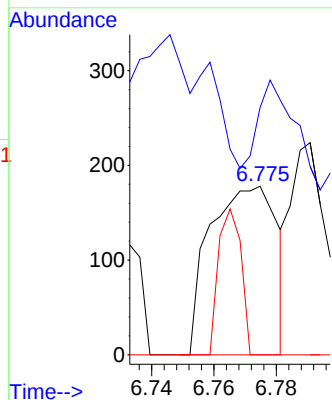
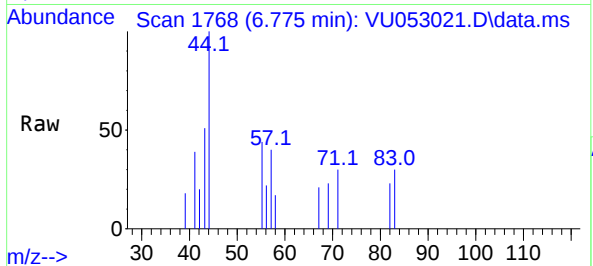




#20
Methylcyclohexane
Concen: 0.019 ug/l
RT: 6.775 min Scan# 1179
Delta R.T. 0.017 min
Lab File: VU053021.D
Acq: 09 Feb 2023 16:24

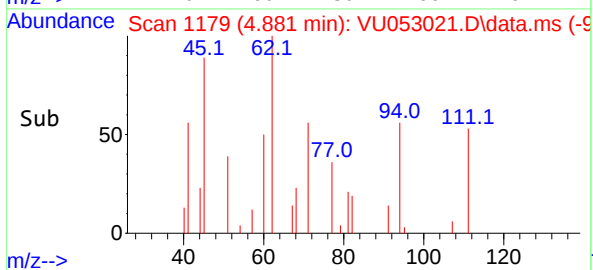
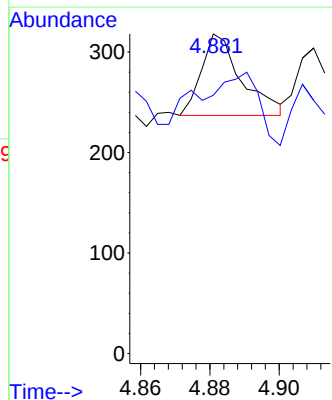
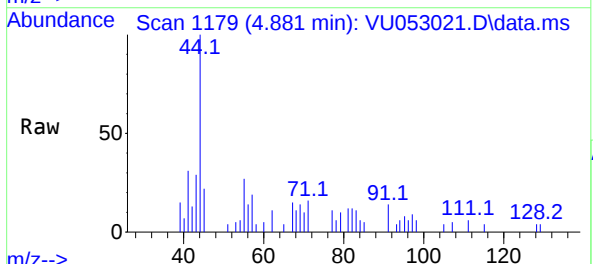
Instrument :
MSVOA_U
ClientSampleId :
TB-01-020723

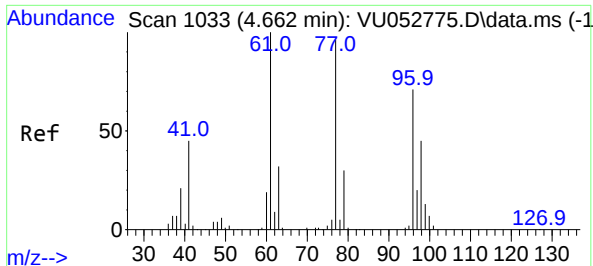
Tgt Ion: 83 Resp: 264
Ion Ratio Lower Upper
83 100
55 29.9 58.7 88.1#
98 29.2 39.4 59.2#



#21
2,2-Dichloropropane
Concen: 0.005 ug/l
RT: 4.881 min Scan# 1179
Delta R.T. 0.219 min
Lab File: VU053021.D
Acq: 09 Feb 2023 16:24

Tgt Ion: 77 Resp: 65
Ion Ratio Lower Upper
77 100
97 24.6 16.8 25.2





#22

cis-1,2-Dichloroethene

Concen: 0.017 ug/l

RT: 4.595 min Scan# 1

Delta R.T. -0.067 min

Lab File: VU053021.D

Acq: 09 Feb 2023 16:24

Instrument :

MSVOA_U

ClientSampleId :

TB-01-020723

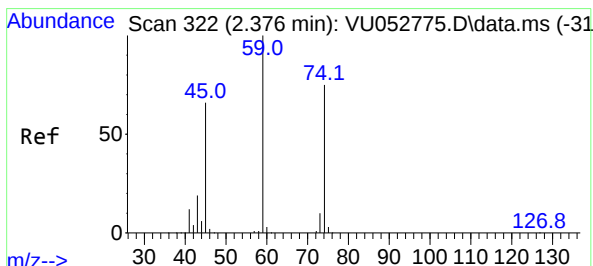
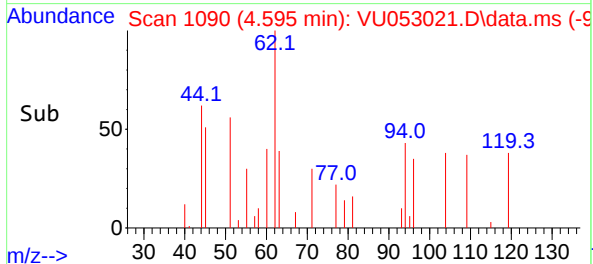
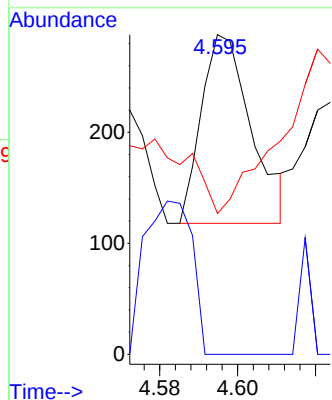
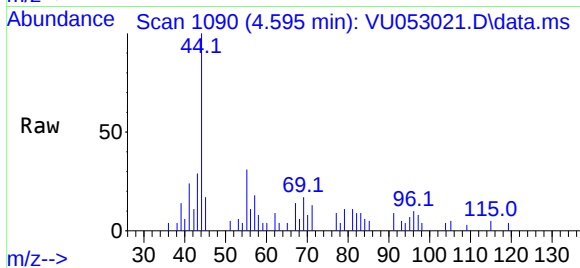
Tgt Ion: 96 Resp: 151

Ion Ratio Lower Upper

96 100

61 77.5 0.0 353.3

98 82.8 32.6 97.7



#23

Diethyl Ether

Concen: 0.024 ug/l

RT: 2.379 min Scan# 401

Delta R.T. 0.004 min

Lab File: VU053021.D

Acq: 09 Feb 2023 16:24

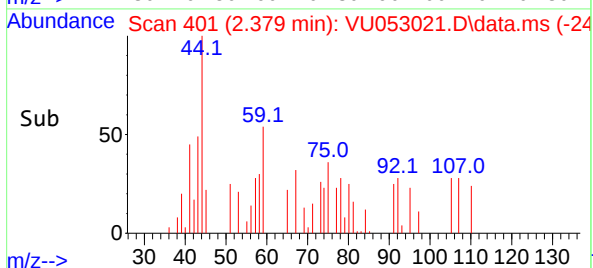
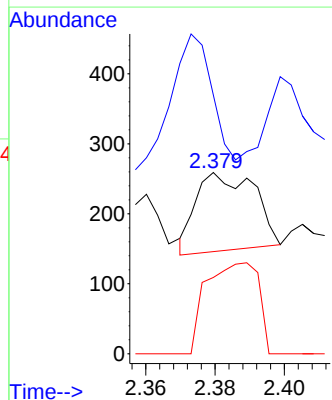
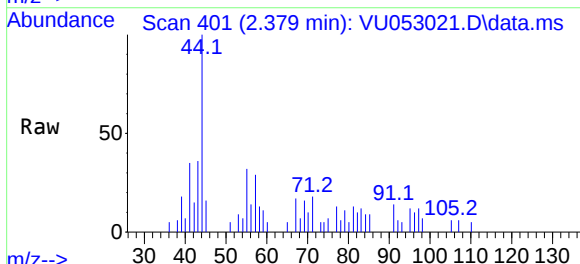
Tgt Ion: 59 Resp: 130

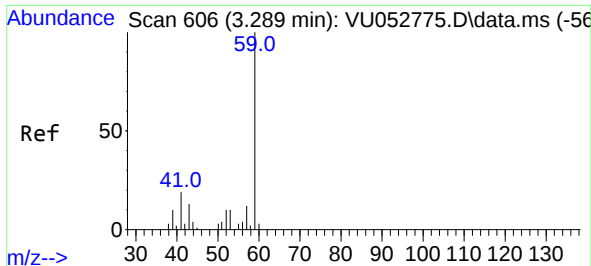
Ion Ratio Lower Upper

59 100

45 123.8 52.1 78.1#

74 0.0 61.6 92.4#

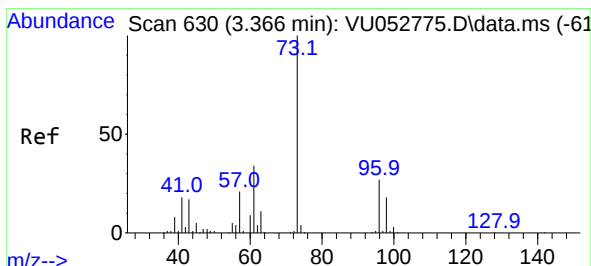
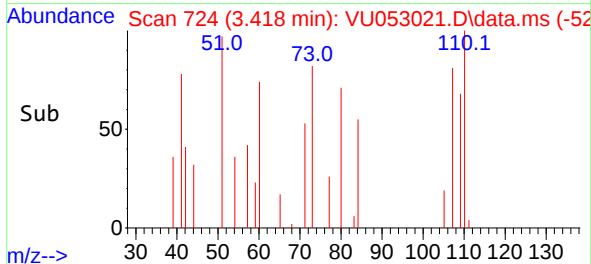
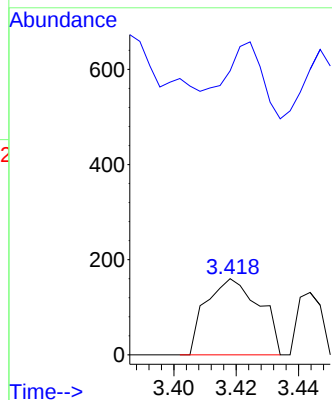
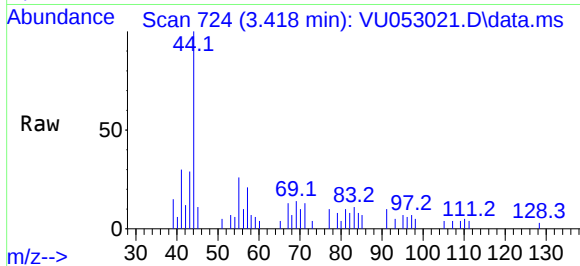




#24
tert-Butyl Alcohol
Concen: 0.292 ug/l
RT: 3.418 min Scan# 71
Delta R.T. 0.129 min
Lab File: VU053021.D
Acq: 09 Feb 2023 16:24

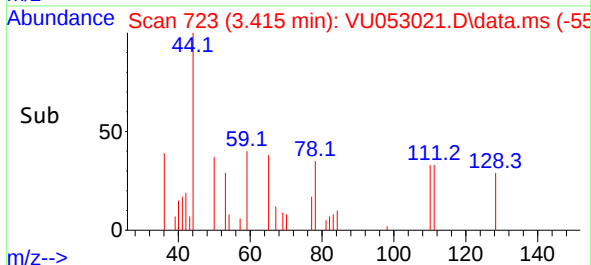
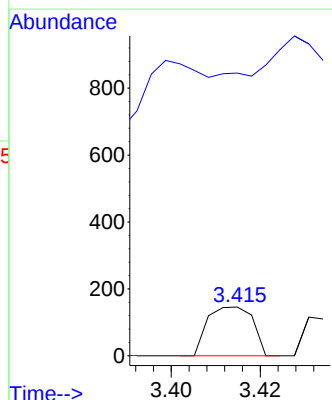
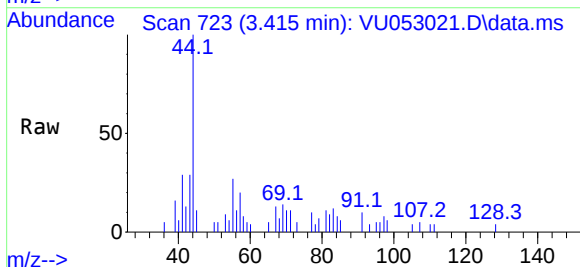
Instrument :
MSVOA_U
ClientSampleId :
TB-01-020723

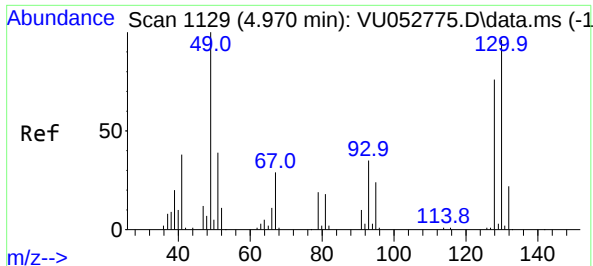
Tgt Ion: 59 Resp: 190
Ion Ratio Lower Upper
59 100
57 64.2 45.8 68.8



#25
Methyl tert-Butyl Ether
Concen: 0.006 ug/l
RT: 3.415 min Scan# 723
Delta R.T. 0.049 min
Lab File: VU053021.D
Acq: 09 Feb 2023 16:24

Tgt Ion: 73 Resp: 103
Ion Ratio Lower Upper
73 100
43 168.0 15.3 22.9#

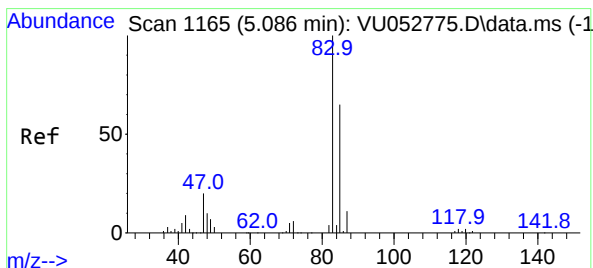
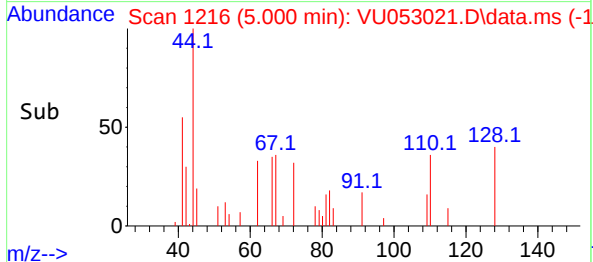
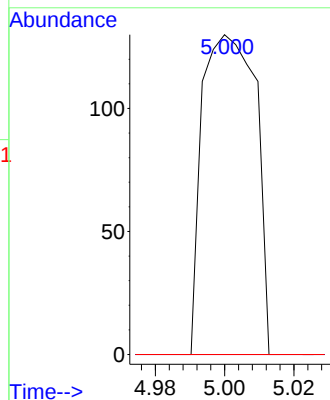
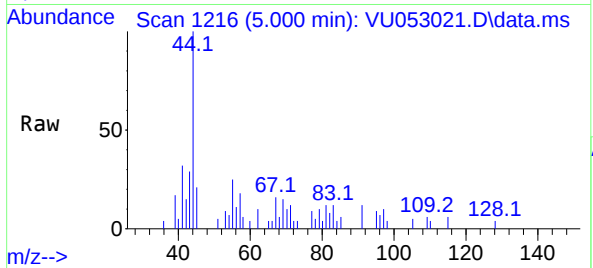




#26
Bromochloromethane
Concen: 0.034 ug/l
RT: 5.000 min Scan# 1129
Delta R.T. 0.030 min
Lab File: VU053021.D
Acq: 09 Feb 2023 16:24

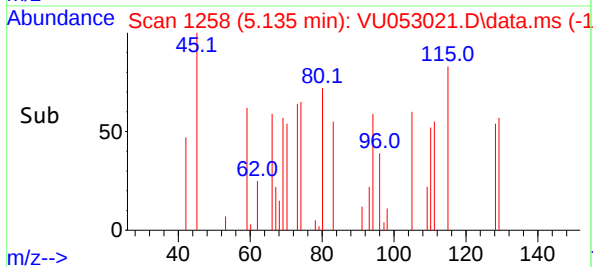
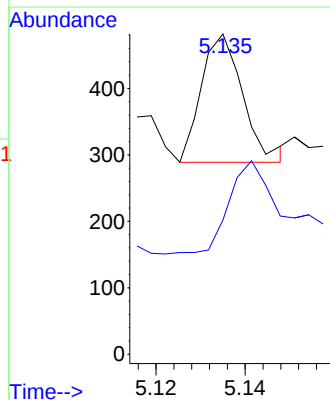
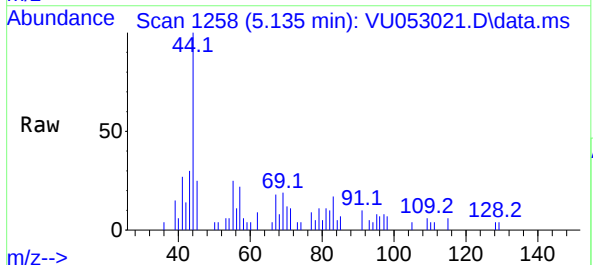
Instrument :
MSVOA_U
ClientSampleId :
TB-01-020723

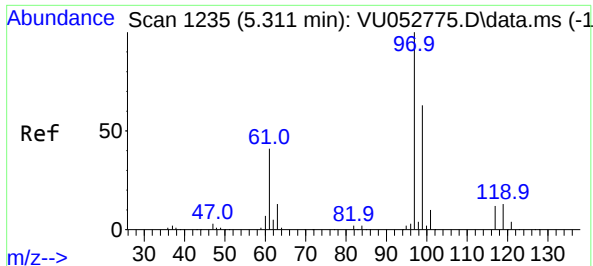
Tgt Ion:128 Resp: 139
Ion Ratio Lower Upper
128 100
49 0.0 0.0 265.0
130 0.0 100.7 151.1#



#27
Chloroform
Concen: 0.008 ug/l
RT: 5.135 min Scan# 1258
Delta R.T. 0.049 min
Lab File: VU053021.D
Acq: 09 Feb 2023 16:24

Tgt Ion: 83 Resp: 125
Ion Ratio Lower Upper
83 100
85 25.4 0.0 130.6

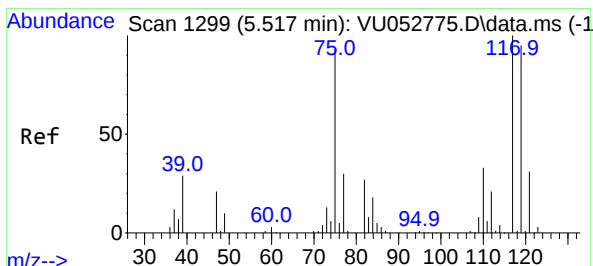
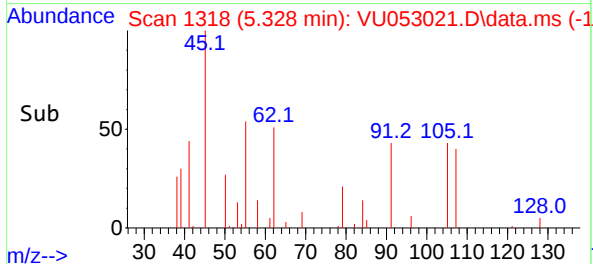
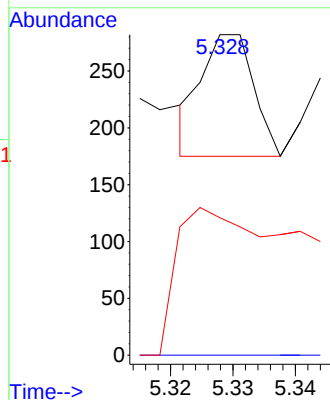
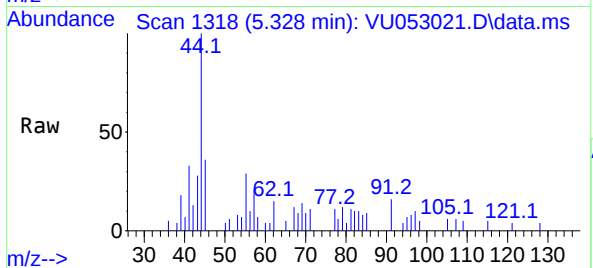




#28
 1,1,1-Trichloroethane
 Concen: 0.004 ug/l
 RT: 5.328 min Scan# 11
 Delta R.T. 0.017 min
 Lab File: VU053021.D
 Acq: 09 Feb 2023 16:24

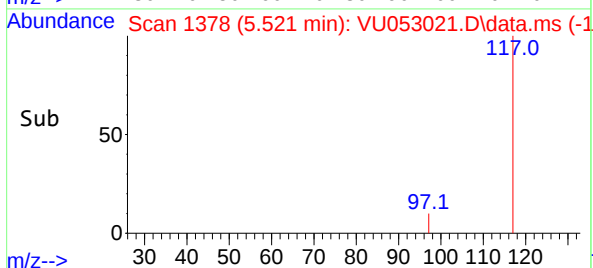
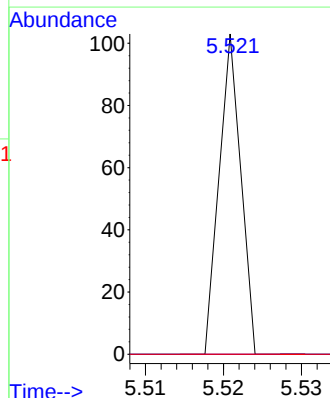
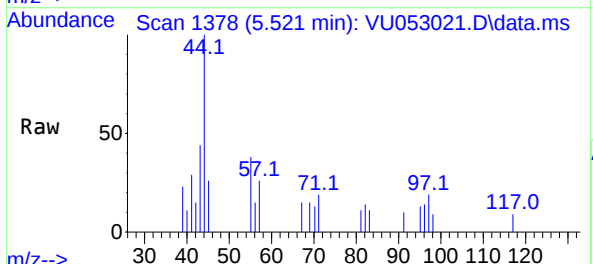
Instrument :
 MSVOA_U
 ClientSampleId :
 TB-01-020723

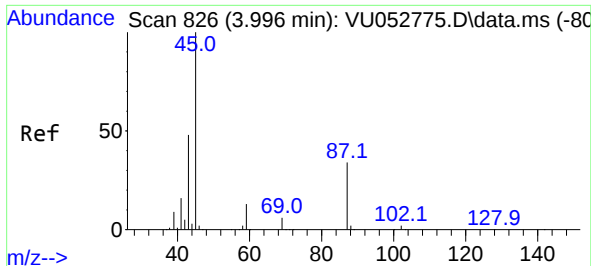
Tgt Ion:	97	Resp:	62
Ion	Ratio	Lower	Upper
97	100		
99	0.0	31.9	95.5#
61	279.0	20.8	62.2#



#30
 Carbon Tetrachloride
 Concen: 0.002 ug/l
 RT: 5.521 min Scan# 1378
 Delta R.T. 0.004 min
 Lab File: VU053021.D
 Acq: 09 Feb 2023 16:24

Tgt Ion:	117	Resp:	20
Ion	Ratio	Lower	Upper
117	100		
119	0.0	76.4	114.6#
121	0.0	25.0	37.6#

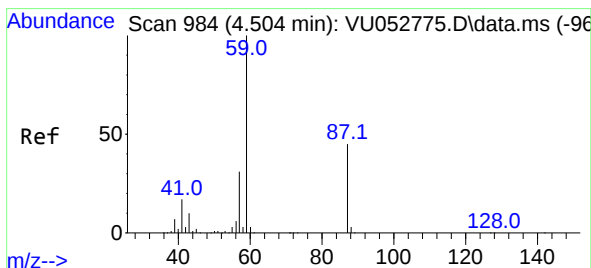
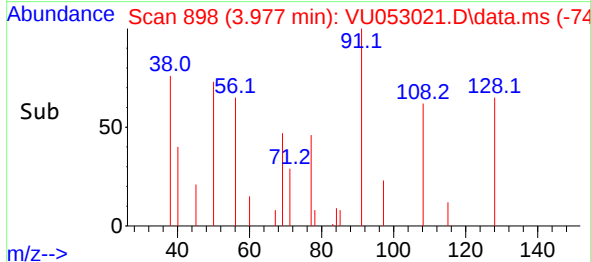
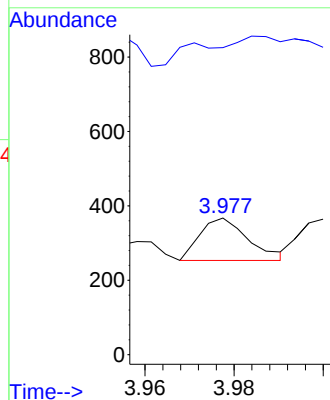
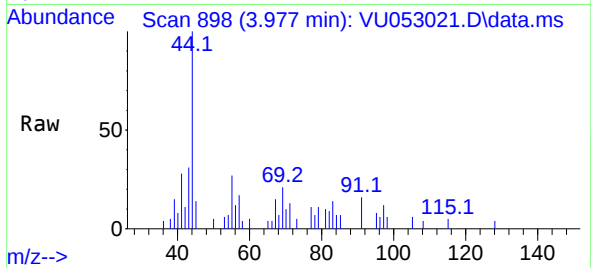




#31
Isopropyl Ether
Concen: 0.004 ug/l
RT: 3.977 min Scan# 89
Delta R.T. -0.019 min
Lab File: VU053021.D
Acq: 09 Feb 2023 16:24

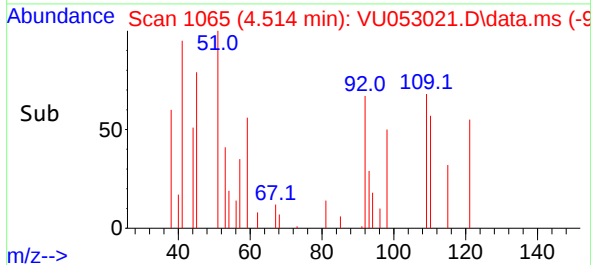
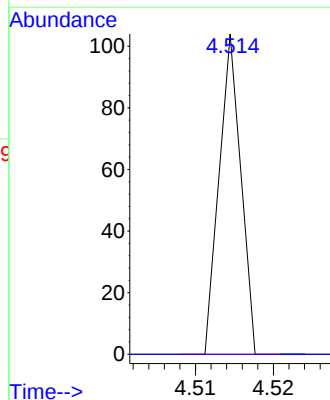
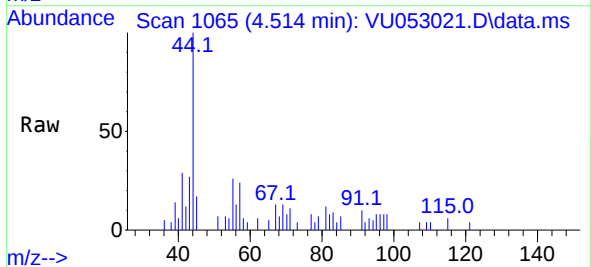
Instrument :
MSVOA_U
ClientSampleId :
TB-01-020723

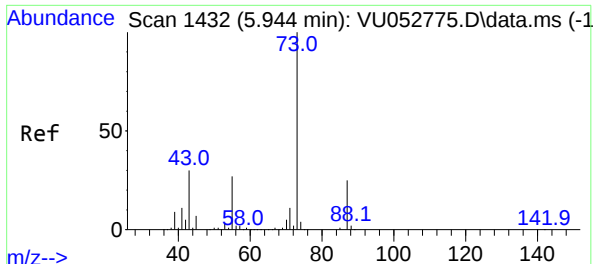
Tgt Ion: 45 Resp: 86
Ion Ratio Lower Upper
45 100
43 33.7 24.5 73.5



#32
Ethyl-t-butyl ether
Concen: 0.001 ug/l
RT: 4.514 min Scan# 1065
Delta R.T. 0.010 min
Lab File: VU053021.D
Acq: 09 Feb 2023 16:24

Tgt Ion: 59 Resp: 20
Ion Ratio Lower Upper
59 100
87 0.0 36.2 54.2#

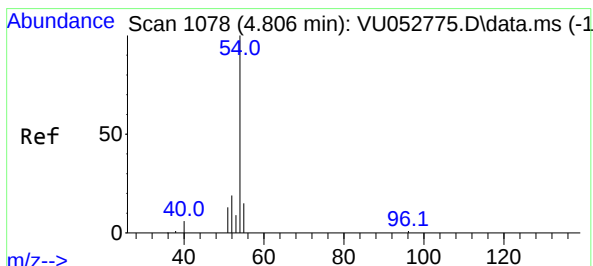
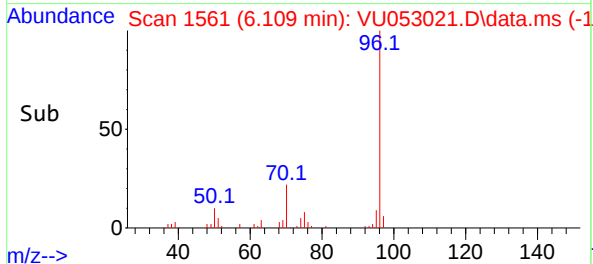
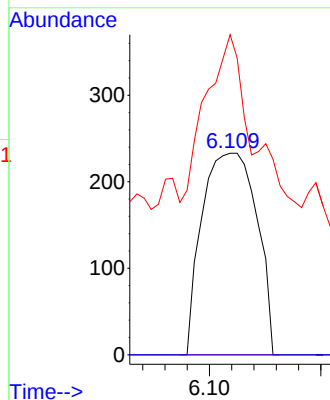
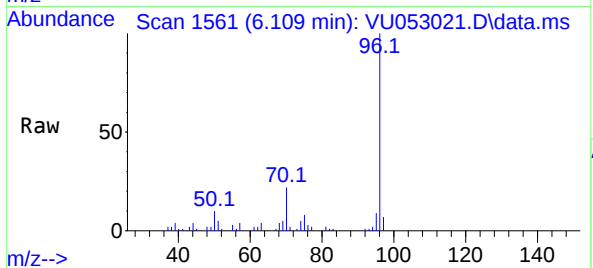




#33
Tert-Amyl methyl ether
Concen: 0.023 ug/l
RT: 6.109 min Scan# 1145
Delta R.T. 0.165 min
Lab File: VU053021.D
Acq: 09 Feb 2023 16:24

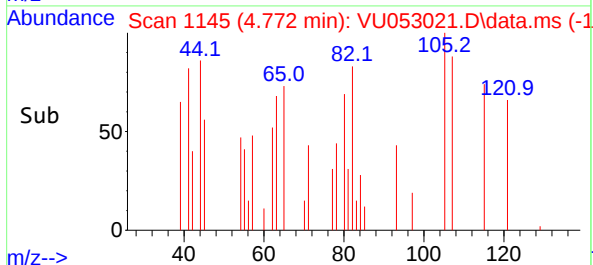
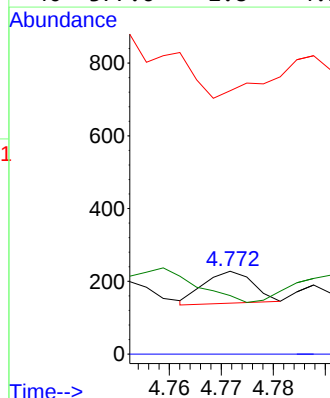
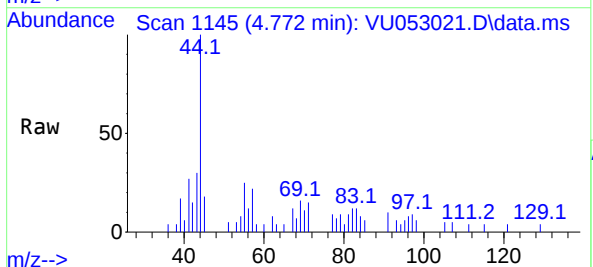
Instrument :
MSVOA_U
ClientSampleId :
TB-01-020723

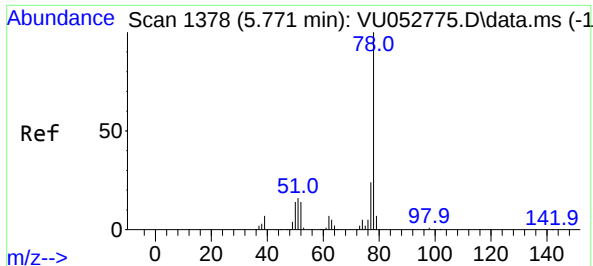
Tgt Ion: 73 Resp: 397
Ion Ratio Lower Upper
73 100
87 0.0 20.1 30.1#
71 68.0 9.2 13.8#



#34
Propionitrile
Concen: 0.095 ug/l
RT: 4.772 min Scan# 1145
Delta R.T. -0.035 min
Lab File: VU053021.D
Acq: 09 Feb 2023 16:24

Tgt Ion: 54 Resp: 58
Ion Ratio Lower Upper
54 100
52 0.0 16.9 25.3#
55 603.4 118.6 178.0#
40 377.6 2.8 4.2#

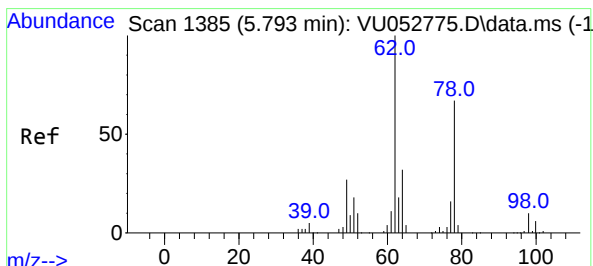
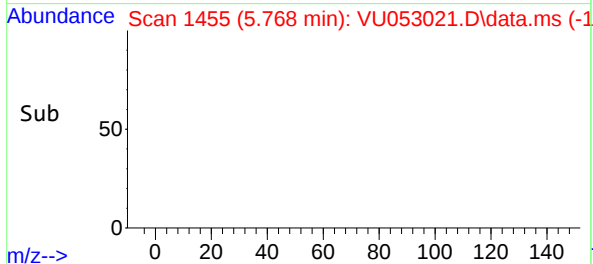
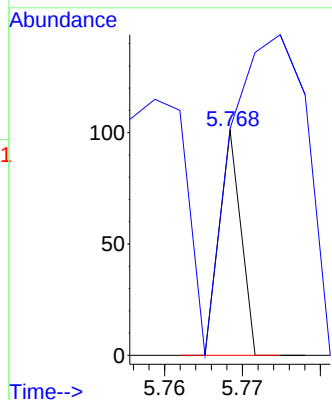
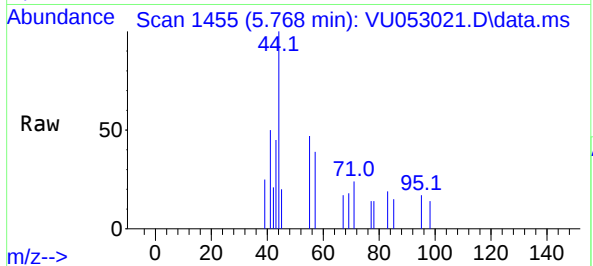




#35
Benzene
Concen: 0.001 ug/l
RT: 5.768 min Scan# 1442
Delta R.T. -0.002 min
Lab File: VU053021.D
Acq: 09 Feb 2023 16:24

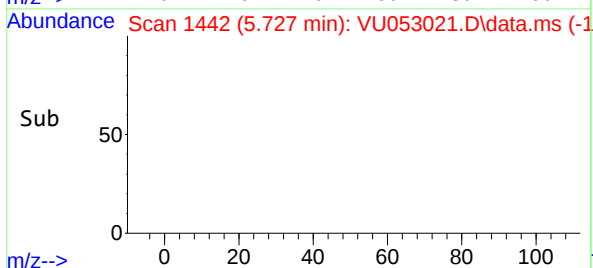
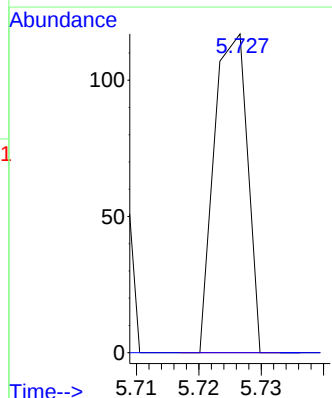
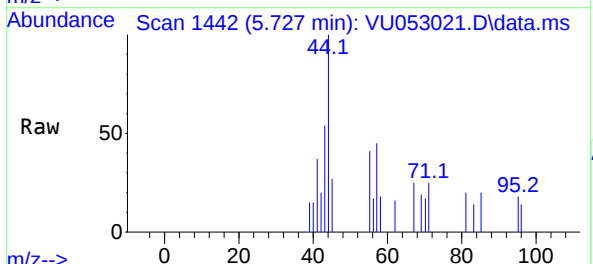
Instrument :
MSVOA_U
ClientSampleId :
TB-01-020723

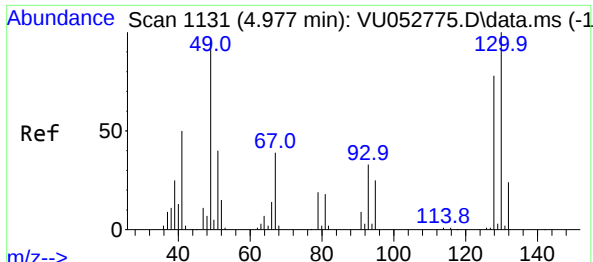
Tgt Ion: 78 Resp: 19
Ion Ratio Lower Upper
78 100
77 0.0 19.0 28.4#



#36
1,2-Dichloroethane
Concen: 0.004 ug/l
RT: 5.727 min Scan# 1442
Delta R.T. -0.067 min
Lab File: VU053021.D
Acq: 09 Feb 2023 16:24

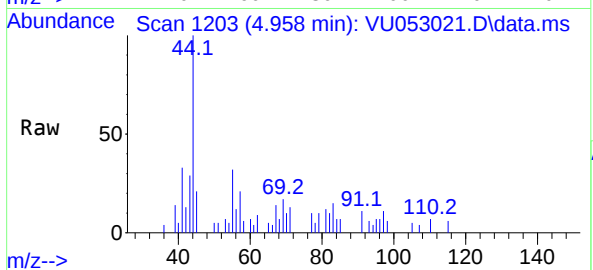
Tgt Ion: 62 Resp: 43
Ion Ratio Lower Upper
62 100
98 48.8 7.5 11.3#





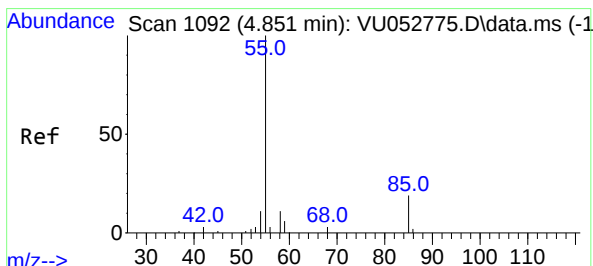
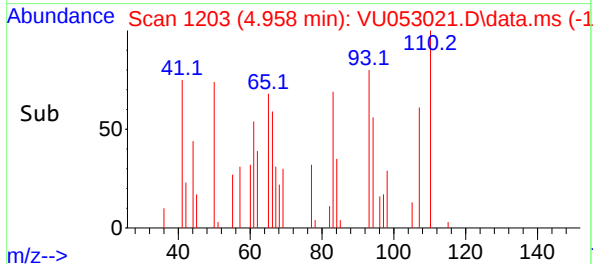
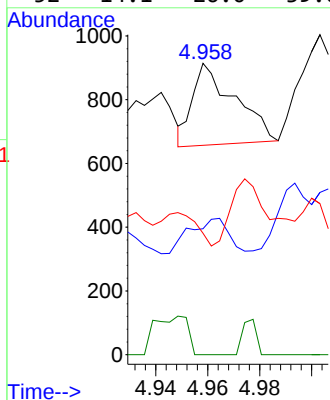
#39
Methacrylonitrile
Concen: 0.119 ug/l
RT: 4.958 min Scan# 1169
Delta R.T. -0.019 min
Lab File: VU053021.D
Acq: 09 Feb 2023 16:24

Instrument :
MSVOA_U
ClientSampleId :
TB-01-020723



Tgt Ion: 41 Resp: 291

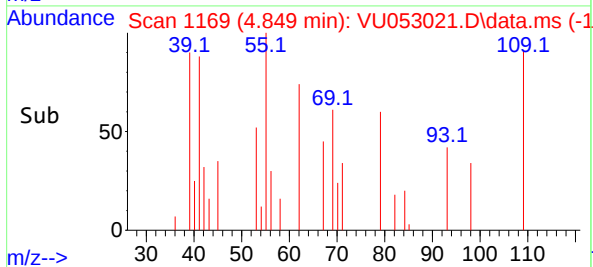
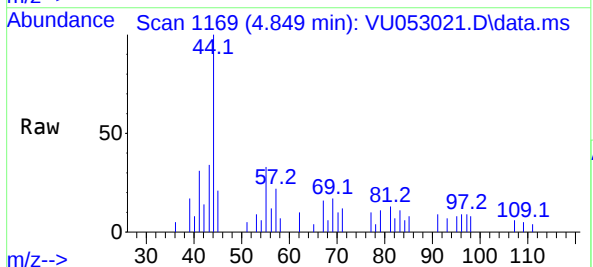
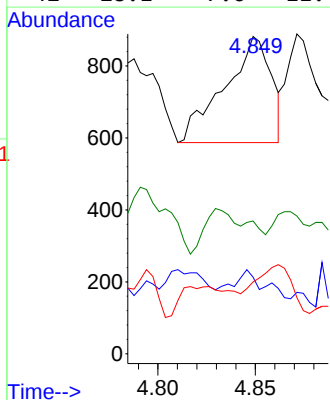
Ion	Ratio	Lower	Upper
41	100		
67	38.5	64.9	97.3#
39	70.4	41.7	62.5#
52	14.1	26.0	39.0#

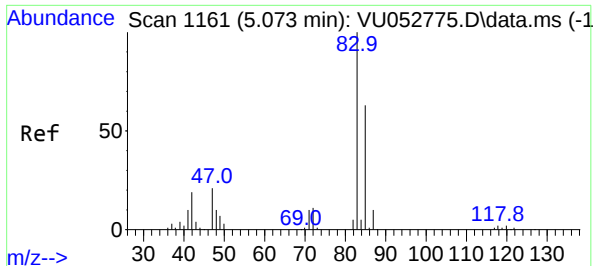


#40
Methyl acrylate
Concen: 0.114 ug/l
RT: 4.849 min Scan# 1169
Delta R.T. -0.002 min
Lab File: VU053021.D
Acq: 09 Feb 2023 16:24

Tgt Ion: 55 Resp: 491

Ion	Ratio	Lower	Upper
55	100		
85	16.1	14.4	21.6
58	0.0	7.3	10.9#
42	28.1	7.6	11.4#





#41

Tetrahydrofuran

Concen: 0.194 ug/l

RT: 5.067 min Scan# 11

Delta R.T. -0.006 min

Lab File: VU053021.D

Acq: 09 Feb 2023 16:24

Instrument :

MSVOA_U

ClientSampleId :

TB-01-020723

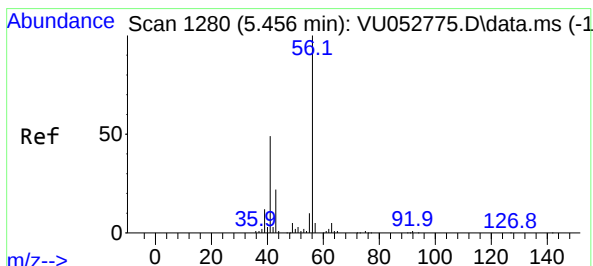
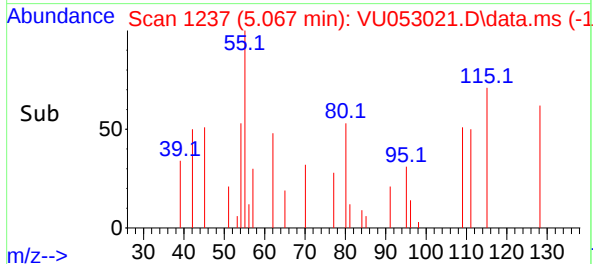
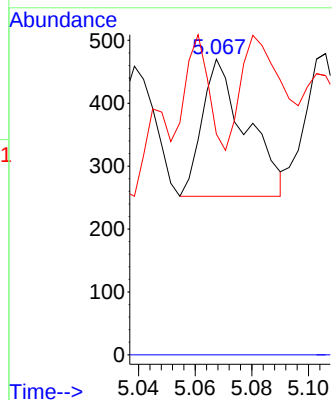
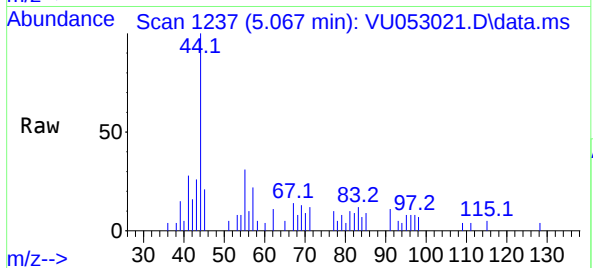
Tgt Ion: 42 Resp: 235

Ion Ratio Lower Upper

42 100

72 0.0 49.1 73.7#

71 42.1 43.8 65.6#



#42

1-Chlorobutane

Concen: 0.017 ug/l

RT: 5.485 min Scan# 1367

Delta R.T. 0.030 min

Lab File: VU053021.D

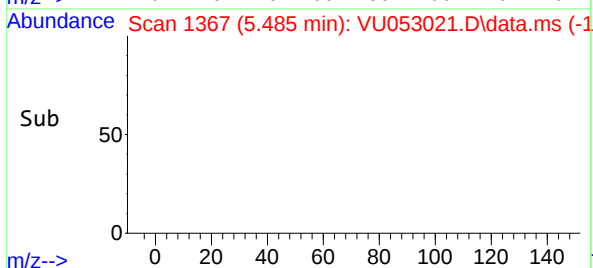
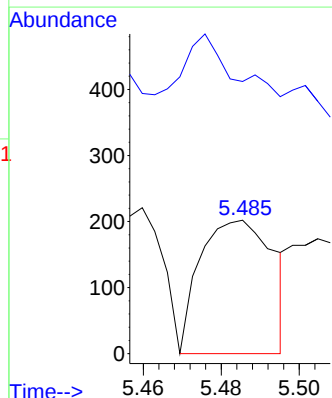
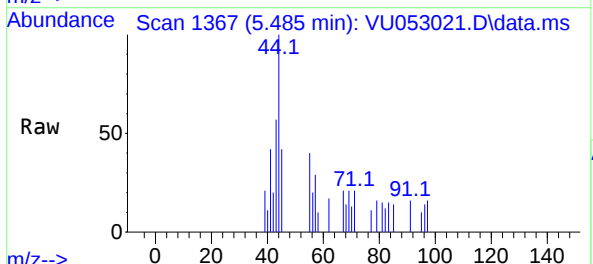
Acq: 09 Feb 2023 16:24

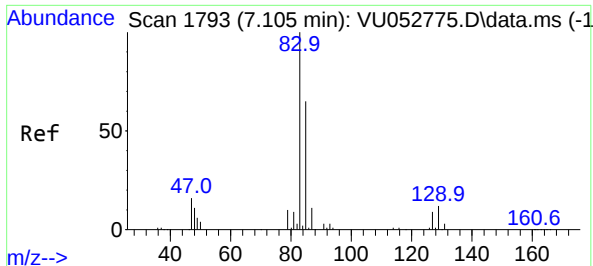
Tgt Ion: 56 Resp: 263

Ion Ratio Lower Upper

56 100

41 27.0 24.5 73.5

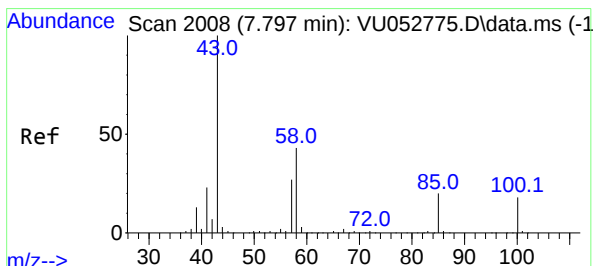
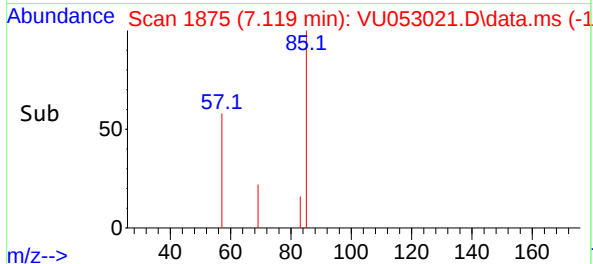
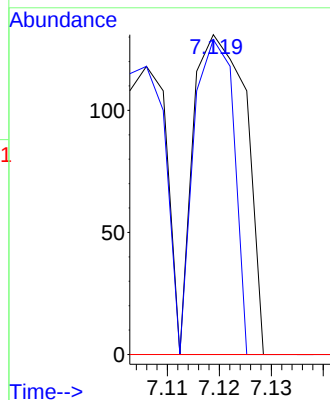
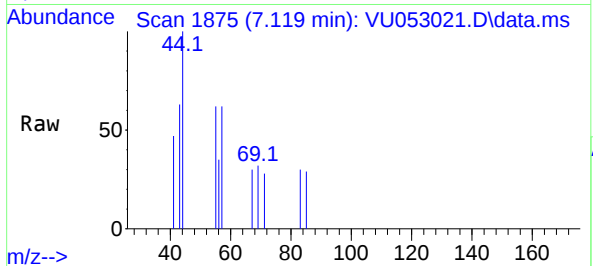




#44
Bromodichloromethane
Concen: 0.008 ug/l
RT: 7.119 min Scan# 11
Delta R.T. 0.014 min
Lab File: VU053021.D
Acq: 09 Feb 2023 16:24

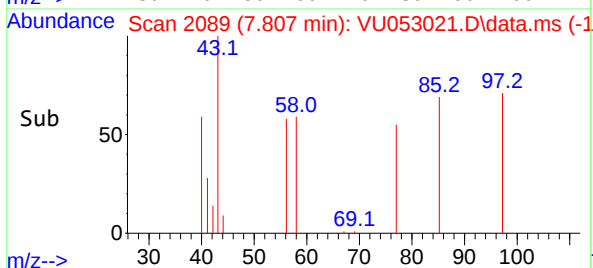
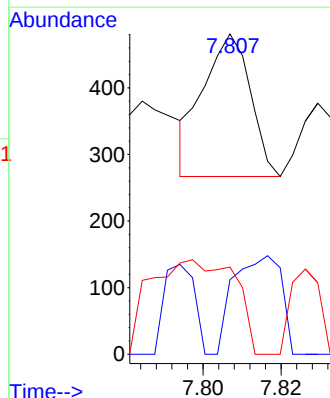
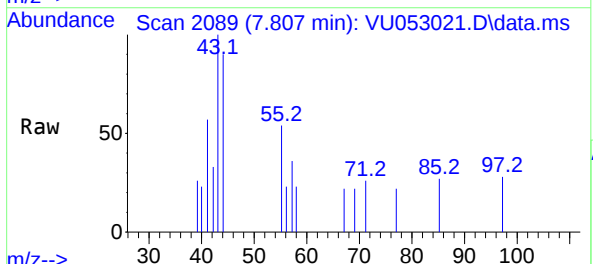
Instrument :
MSVOA_U
ClientSampleId :
TB-01-020723

Tgt Ion: 83 Resp: 92
Ion Ratio Lower Upper
83 100
85 98.5 52.1 78.1#
127 0.0 7.2 10.8#

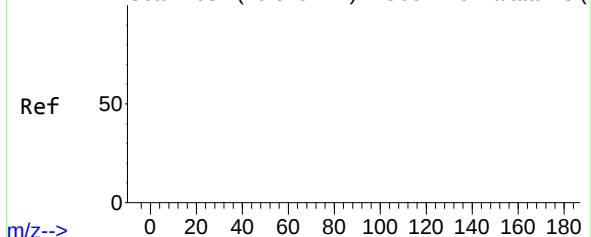


#45
4-Methyl-2-Pentanone
Concen: 0.038 ug/l
RT: 7.807 min Scan# 2089
Delta R.T. 0.010 min
Lab File: VU053021.D
Acq: 09 Feb 2023 16:24

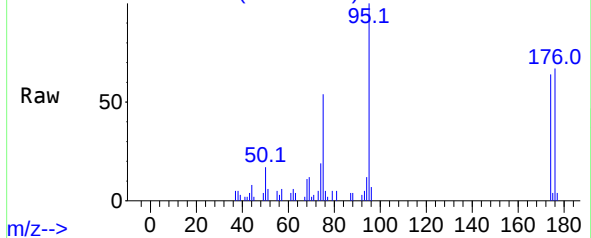
Tgt Ion: 43 Resp: 180
Ion Ratio Lower Upper
43 100
58 40.6 21.7 65.1
85 118.3 16.2 24.4#



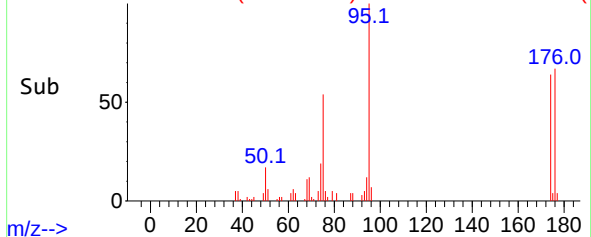
Abundance Scan 2951 (10.829 min): VU052775.D\data.ms (-1)



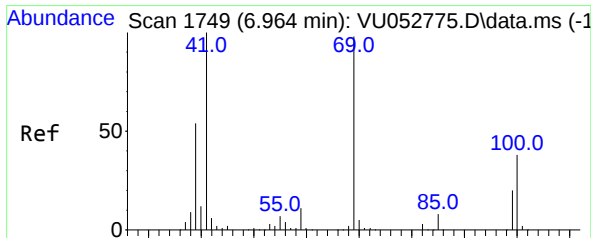
m/z--> Scan 2967 (10.630 min): VU053021.D\data.ms (-1)



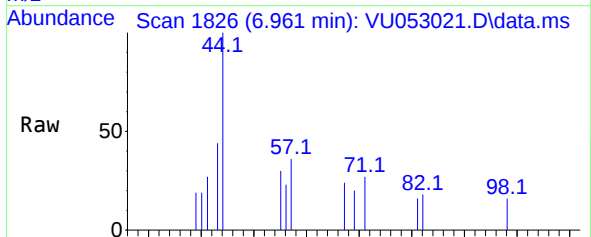
Abundance Scan 2967 (10.630 min): VU053021.D\data.ms (-1)



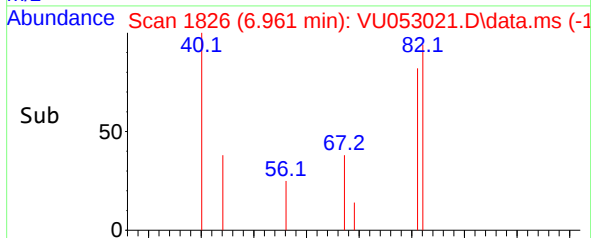
m/z--> Scan 1749 (6.964 min): VU052775.D\data.ms (-1)



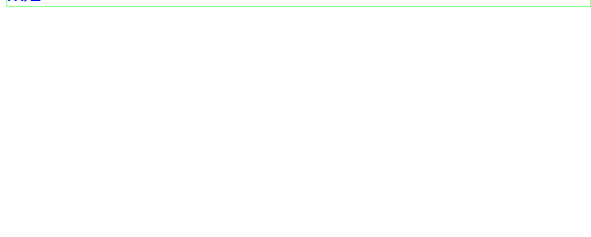
m/z--> Scan 1826 (6.961 min): VU053021.D\data.ms (-1)



Abundance Scan 1826 (6.961 min): VU053021.D\data.ms (-1)



m/z--> Scan 2951 (10.829 min): VU052775.D\data.ms (-1)



m/z--> Scan 2967 (10.630 min): VU053021.D\data.ms (-1)

Abundance Scan 2967 (10.630 min): VU053021.D\data.ms (-1)

m/z--> Scan 1749 (6.964 min): VU052775.D\data.ms (-1)

Abundance Scan 1826 (6.961 min): VU053021.D\data.ms (-1)

m/z--> Scan 2951 (10.829 min): VU052775.D\data.ms (-1)

m/z--> Scan 2967 (10.630 min): VU053021.D\data.ms (-1)

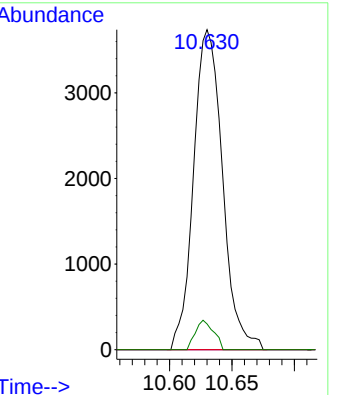
Abundance Scan 2967 (10.630 min): VU053021.D\data.ms (-1)

m/z--> Scan 1749 (6.964 min): VU052775.D\data.ms (-1)

Abundance Scan 1826 (6.961 min): VU053021.D\data.ms (-1)

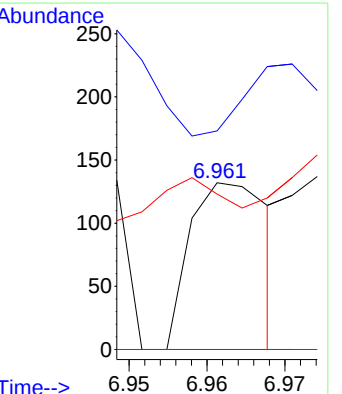
#46
t-1,4-Dichloro-2-butene
Concen: 2.460 ug/l
RT: 10.630 min Scan# 2967
Delta R.T. -0.199 min
Lab File: VU053021.D
Acq: 09 Feb 2023 16:24

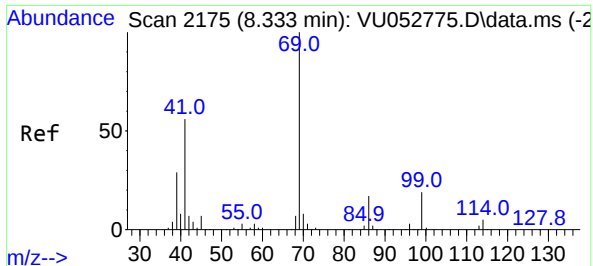
Tgt Ion: 75 Resp: 6046
Ion Ratio Lower Upper
75 100
53 0.0 57.0 85.4#
89 0.0 41.1 61.7#
88 5.8 32.3 48.5#



#47
Methyl methacrylate
Concen: 0.023 ug/l
RT: 6.961 min Scan# 1826
Delta R.T. -0.002 min
Lab File: VU053021.D
Acq: 09 Feb 2023 16:24

Tgt Ion: 69 Resp: 92
Ion Ratio Lower Upper
69 100
41 0.0 0.0 201.8
39 148.9 44.0 66.0#
100 0.0 31.5 47.3#





#48

Ethyl methacrylate

Concen: 0.004 ug/l

RT: 8.289 min Scan# 2175

Delta R.T. -0.044 min

Lab File: VU053021.D

Acq: 09 Feb 2023 16:24

Instrument :

MSVOA_U

ClientSampleId :

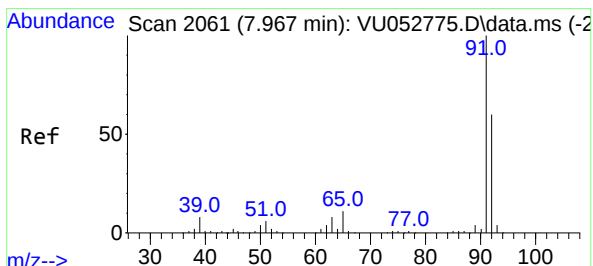
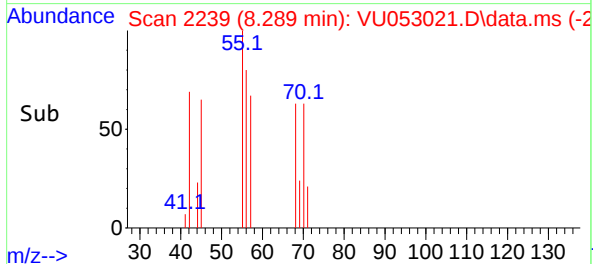
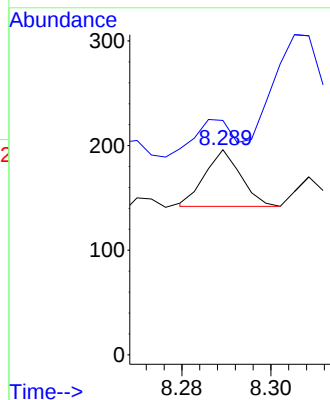
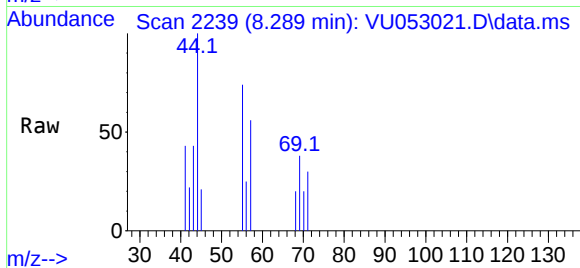
TB-01-020723

Tgt Ion: 69 Resp: 30

Ion Ratio Lower Upper

69 100

41 70.0 28.1 84.4



#49

Toluene

Concen: 0.002 ug/l

RT: 7.968 min Scan# 2139

Delta R.T. 0.001 min

Lab File: VU053021.D

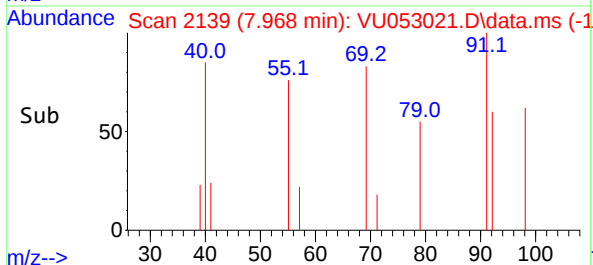
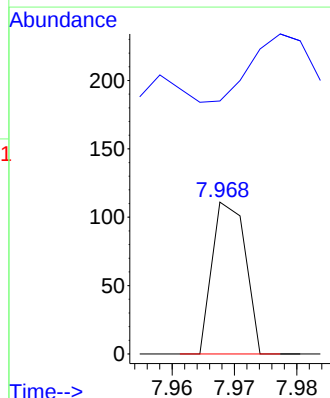
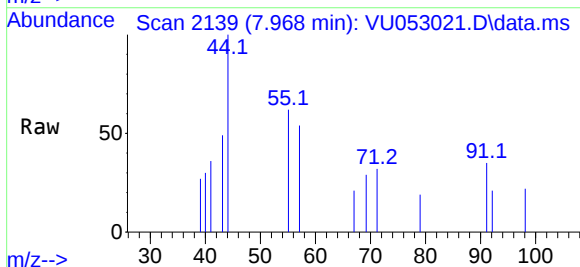
Acq: 09 Feb 2023 16:24

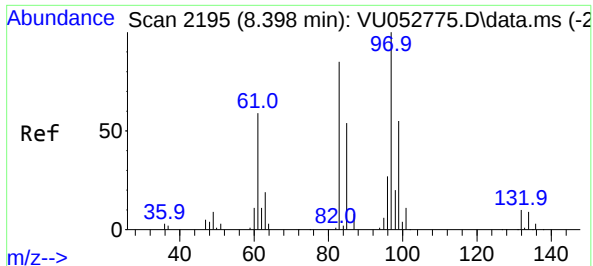
Tgt Ion: 92 Resp: 41

Ion Ratio Lower Upper

92 100

91 426.8 133.8 200.8#



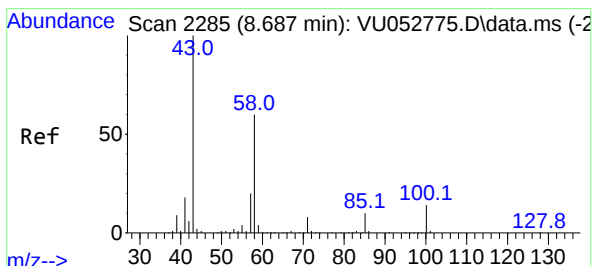
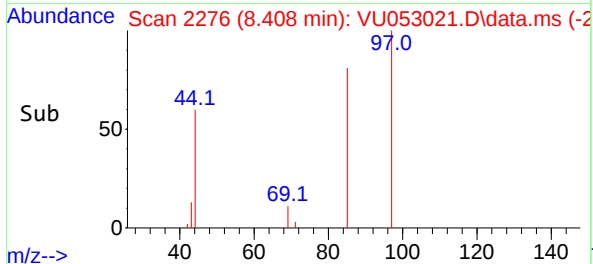
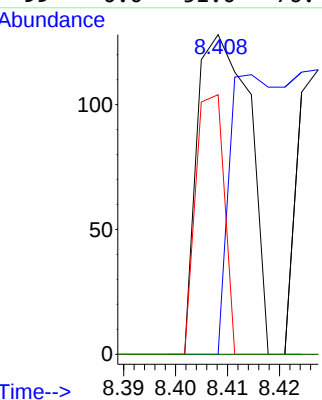
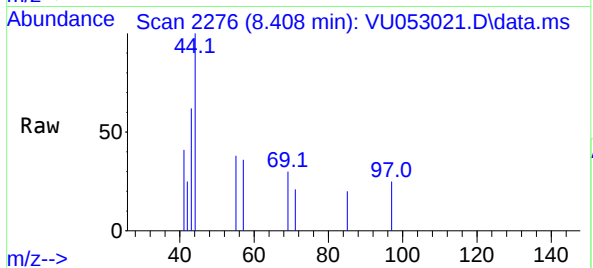


#52
1,1,2-Trichloroethane
Concen: 0.014 ug/l
RT: 8.408 min Scan# 2195
Delta R.T. 0.010 min
Lab File: VU053021.D
Acq: 09 Feb 2023 16:24

Instrument :
MSVOA_U
ClientSampleId :
TB-01-020723

Tgt Ion: 97 Resp: 89

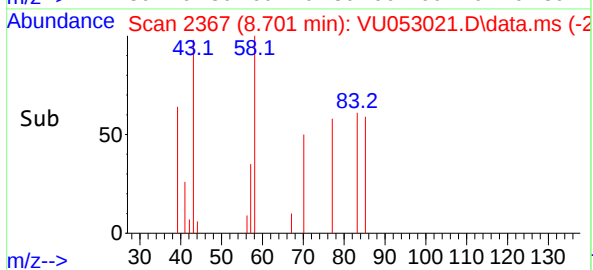
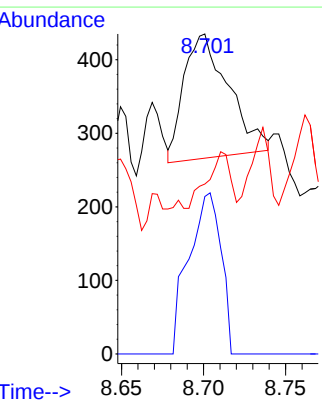
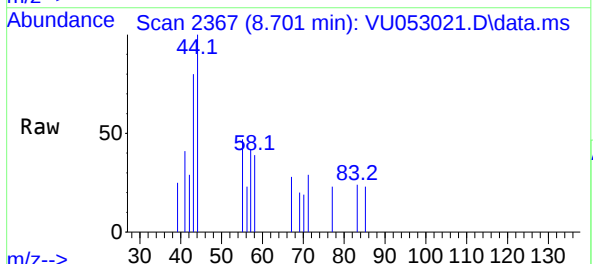
Ion	Ratio	Lower	Upper
97	100		
83	0.0	68.2	102.2#
85	81.3	44.5	66.7#
99	0.0	51.0	76.4#

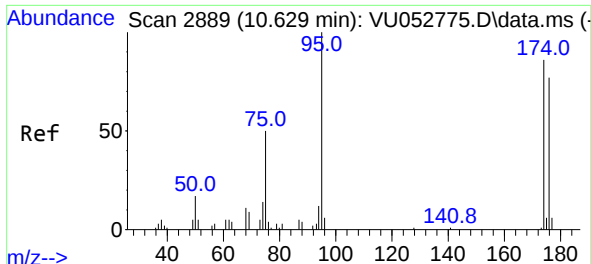


#54
2-Hexanone
Concen: 0.078 ug/l
RT: 8.701 min Scan# 2367
Delta R.T. 0.014 min
Lab File: VU053021.D
Acq: 09 Feb 2023 16:24

Tgt Ion: 43 Resp: 320

Ion	Ratio	Lower	Upper
43	100		
58	93.4	40.0	80.0#
57	40.6	0.6	40.6#

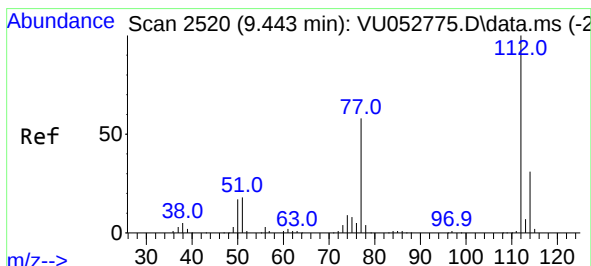
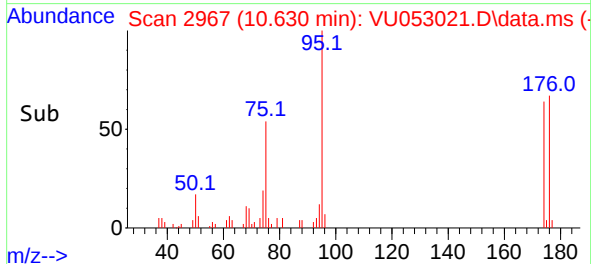
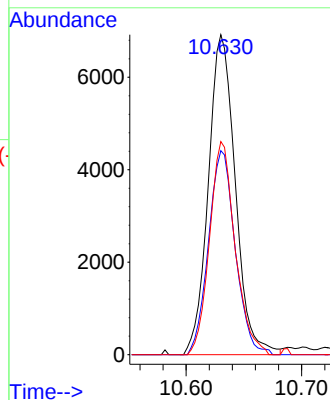
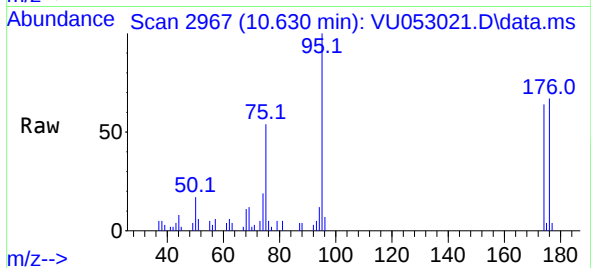




#57
4-Bromofluorobenzene
Concen: 1.033 ug/l
RT: 10.630 min Scan# 2599
Delta R.T. 0.001 min
Lab File: VU053021.D
Acq: 09 Feb 2023 16:24

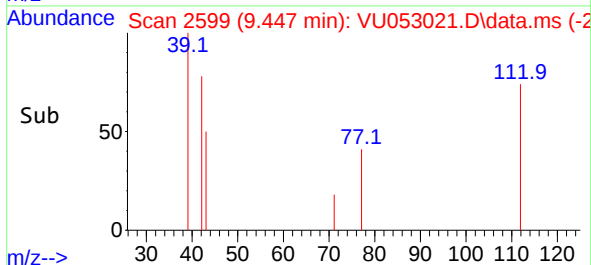
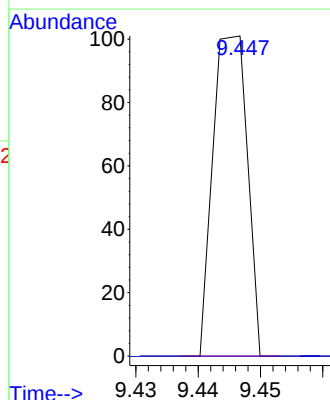
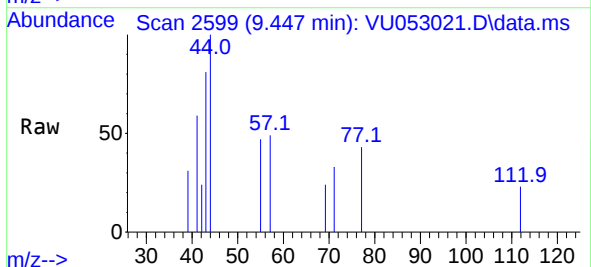
Instrument :
MSVOA_U
ClientSampleId :
TB-01-020723

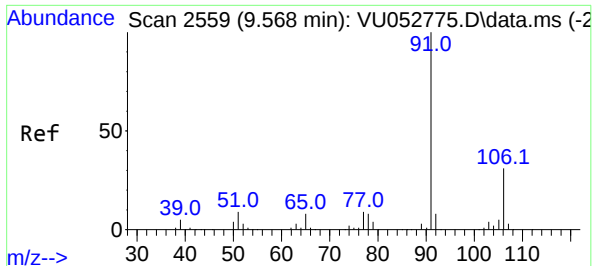
Tgt Ion: 95 Resp: 11250
Ion Ratio Lower Upper
95 100
174 63.0 66.9 100.3#
176 63.1 61.9 92.9



#59
Chlorobenzene
Concen: 0.002 ug/l
RT: 9.447 min Scan# 2599
Delta R.T. 0.004 min
Lab File: VU053021.D
Acq: 09 Feb 2023 16:24

Tgt Ion: 112 Resp: 39
Ion Ratio Lower Upper
112 100
114 0.0 25.2 37.8#

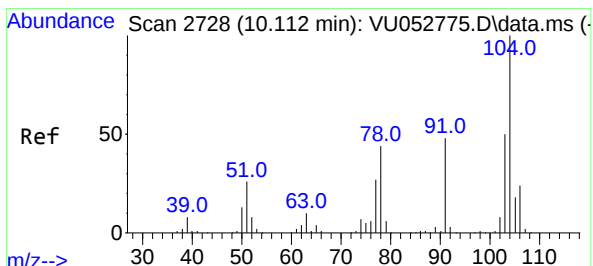
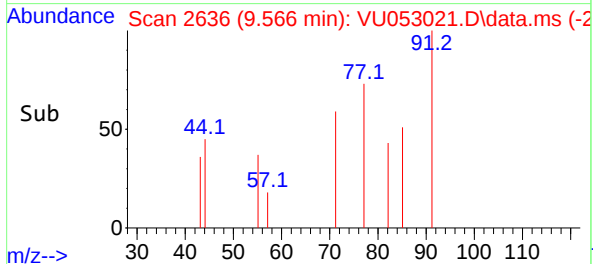
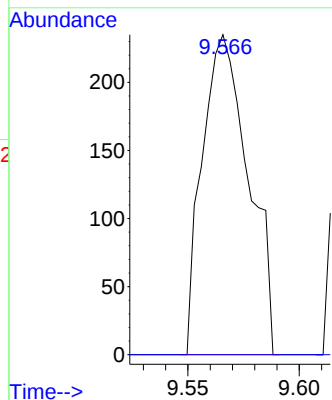
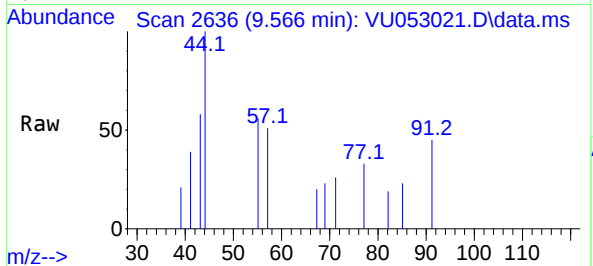




#63
Ethyl Benzene
Concen: 0.009 ug/l
RT: 9.566 min Scan# 210
Delta R.T. -0.002 min
Lab File: VU053021.D
Acq: 09 Feb 2023 16:24

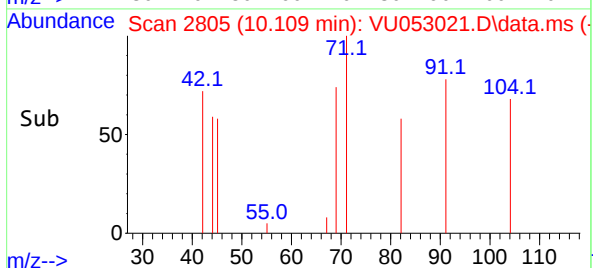
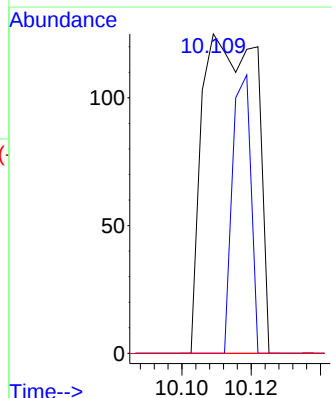
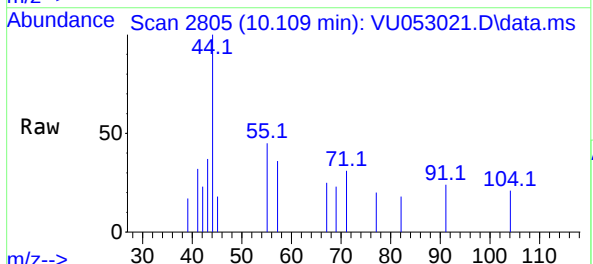
Instrument :
MSVOA_U
ClientSampleId :
TB-01-020723

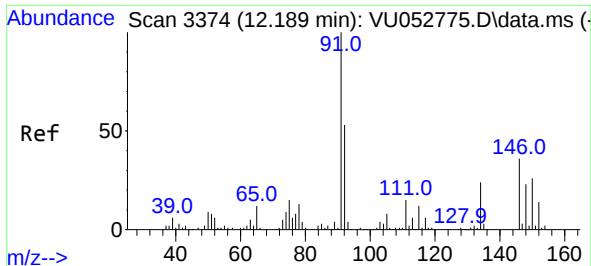
Tgt Ion: 91 Resp: 339
Ion Ratio Lower Upper
91 100
106 0.0 25.1 37.7#



#66
Styrene
Concen: 0.425 ug/l
RT: 10.109 min Scan# 2805
Delta R.T. -0.003 min
Lab File: VU053021.D
Acq: 09 Feb 2023 16:24

Tgt Ion: 104 Resp: 134
Ion Ratio Lower Upper
104 100
78 29.9 39.6 59.4#
103 0.0 42.9 64.3#

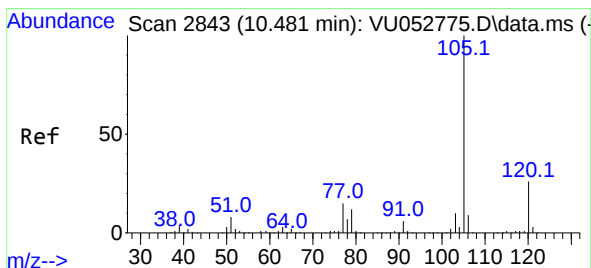
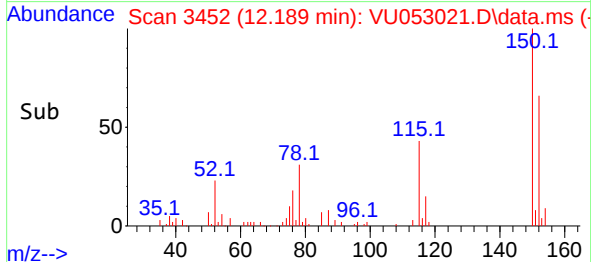
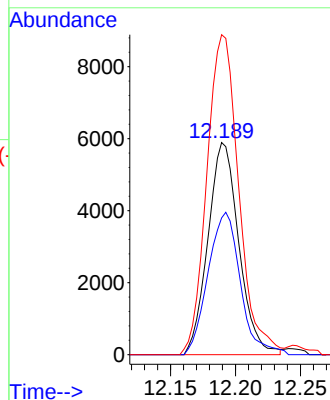
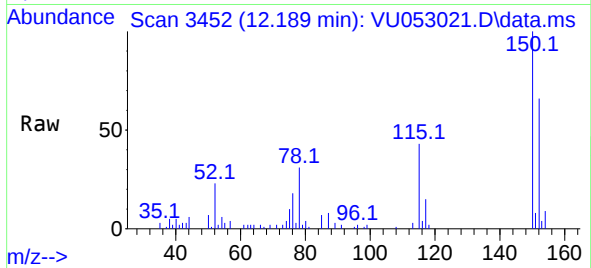




#68
1,2-Dichlorobenzene-d4
Concen: 0.871 ug/l
RT: 12.189 min Scan# 34
Delta R.T. 0.001 min
Lab File: VU053021.D
Acq: 09 Feb 2023 16:24

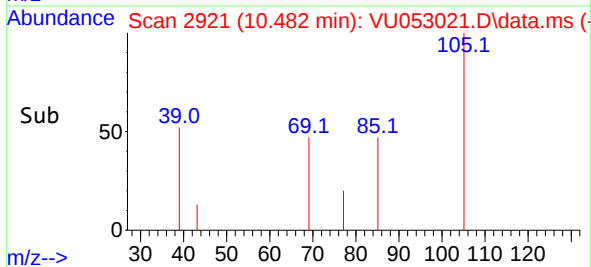
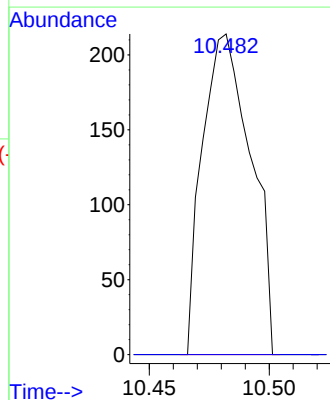
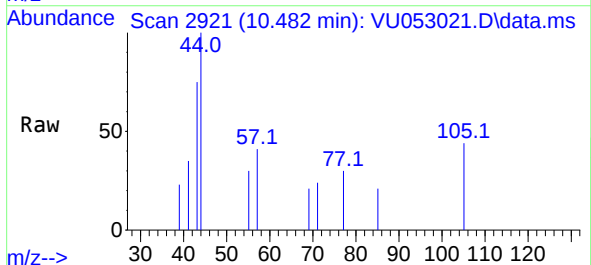
Instrument :
MSVOA_U
ClientSampleId :
TB-01-020723

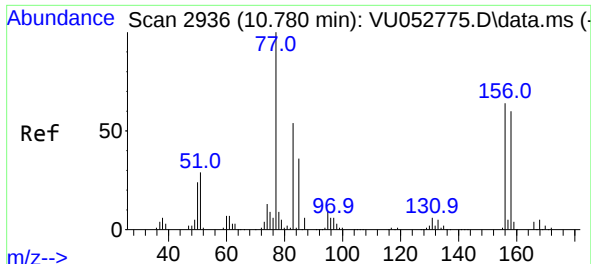
Tgt Ion:152 Resp: 9750
Ion Ratio Lower Upper
152 100
115 70.1 0.0 262.6
150 155.9 0.0 638.0



#69
Isopropylbenzene
Concen: 0.008 ug/l
RT: 10.482 min Scan# 2921
Delta R.T. 0.001 min
Lab File: VU053021.D
Acq: 09 Feb 2023 16:24

Tgt Ion:105 Resp: 301
Ion Ratio Lower Upper
105 100
120 0.0 13.3 39.9#

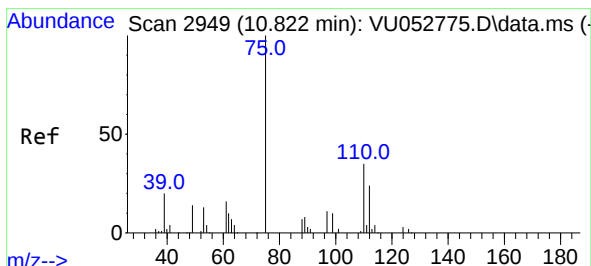
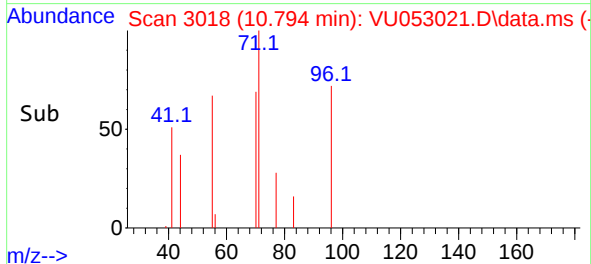
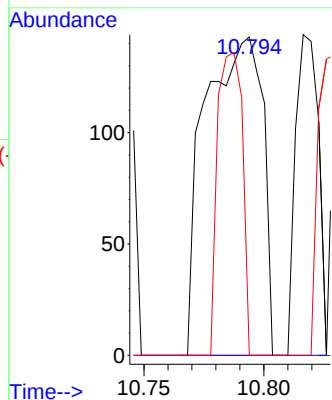
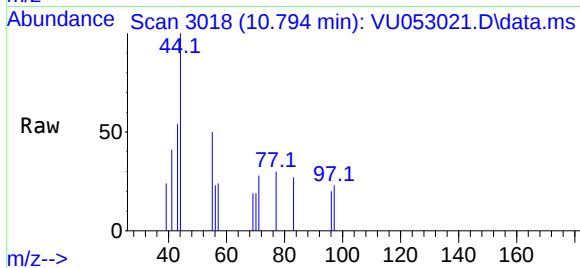




#70
1,1,2,2-Tetrachloroethane
Concen: 0.030 ug/l
RT: 10.794 min Scan# 30
Delta R.T. 0.014 min
Lab File: VU053021.D
Acq: 09 Feb 2023 16:24

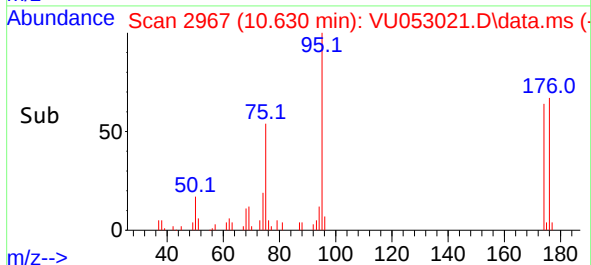
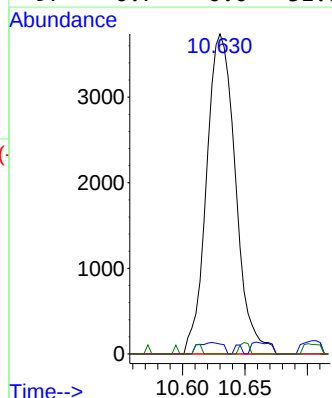
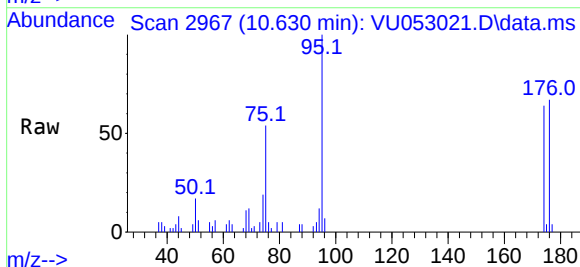
Instrument :
MSVOA_U
ClientSampleId :
TB-01-020723

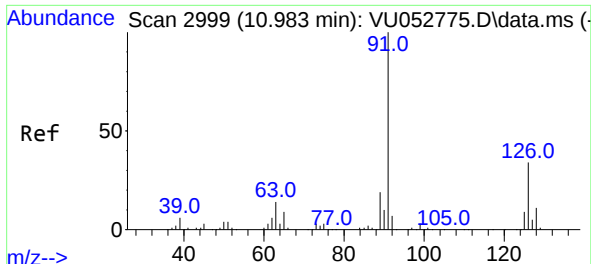
Tgt Ion: 83 Resp: 238
Ion Ratio Lower Upper
83 100
131 0.0 8.6 13.0#
85 40.8 52.6 78.8#



#71
1,2,3-Trichloropropane
Concen: 0.883 ug/l
RT: 10.630 min Scan# 2967
Delta R.T. -0.192 min
Lab File: VU053021.D
Acq: 09 Feb 2023 16:24

Tgt Ion: 75 Resp: 6046
Ion Ratio Lower Upper
75 100
77 3.0 0.0 86.0
110 0.0 0.0 63.8
97 0.7 0.0 31.8

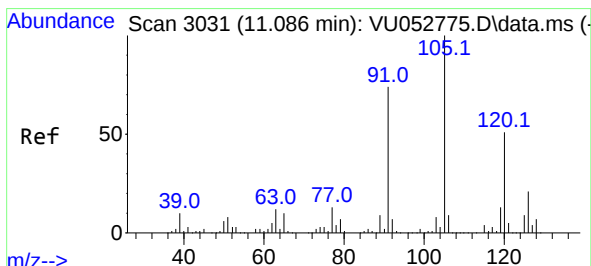
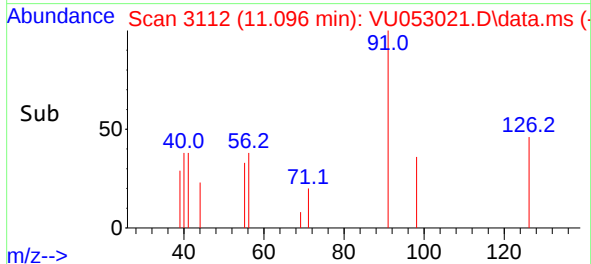
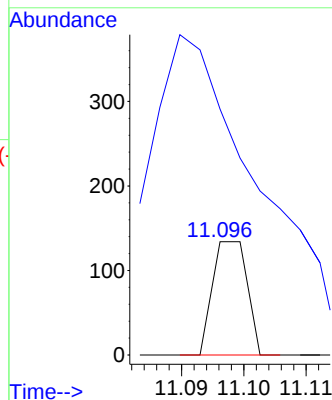
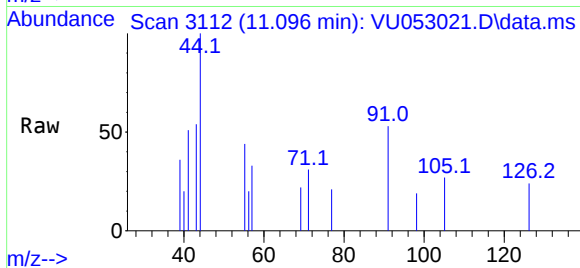




#74
2-Chlorotoluene
Concen: 0.006 ug/l
RT: 11.096 min Scan# 3112
Delta R.T. 0.113 min
Lab File: VU053021.D
Acq: 09 Feb 2023 16:24

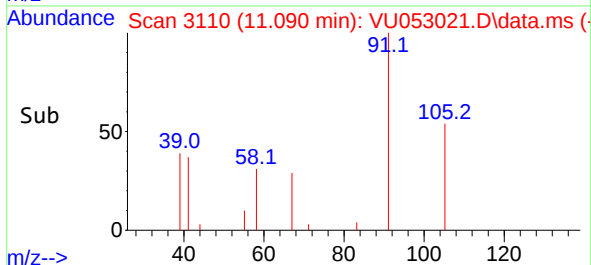
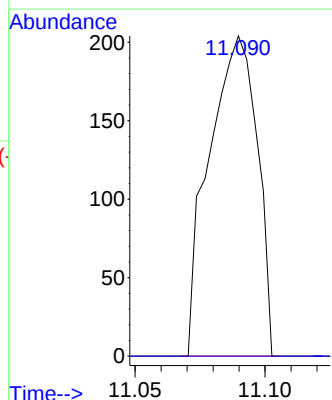
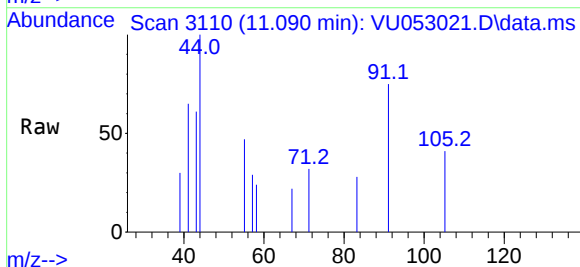
Instrument :
MSVOA_U
ClientSampleId :
TB-01-020723

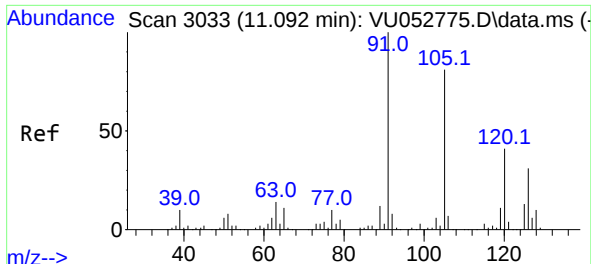
Tgt Ion:126 Resp: 52
Ion Ratio Lower Upper
126 100
91 915.4 0.0 588.6#



#75
1,3,5-Trimethylbenzene
Concen: 0.426 ug/l
RT: 11.090 min Scan# 3110
Delta R.T. 0.004 min
Lab File: VU053021.D
Acq: 09 Feb 2023 16:24

Tgt Ion:105 Resp: 262
Ion Ratio Lower Upper
105 100
120 0.0 39.9 59.9#

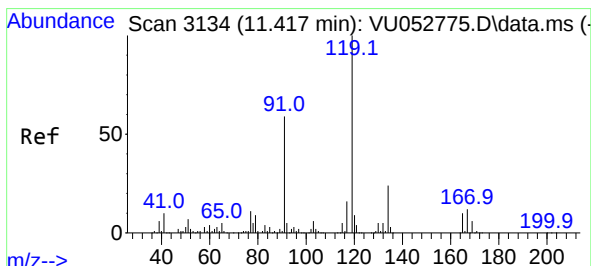
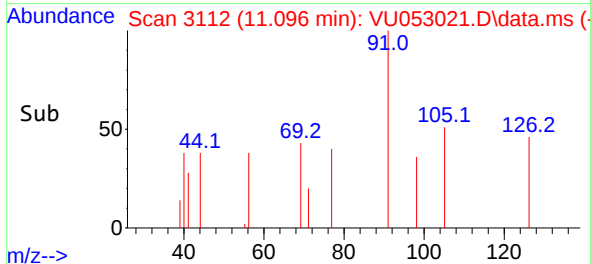
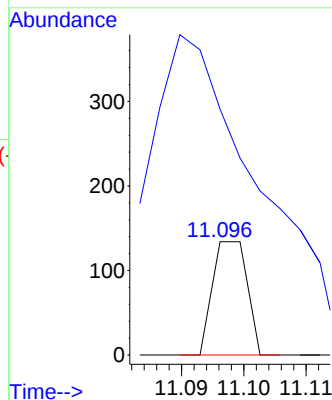
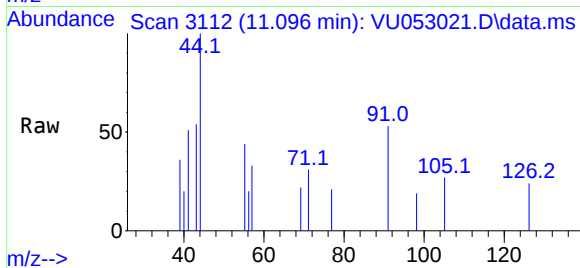




#76
4-Chlorotoluene
Concen: 0.006 ug/l
RT: 11.096 min Scan# 3112
Delta R.T. 0.004 min
Lab File: VU053021.D
Acq: 09 Feb 2023 16:24

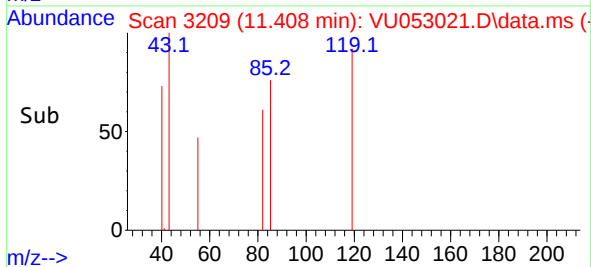
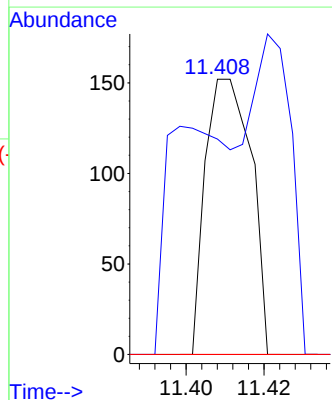
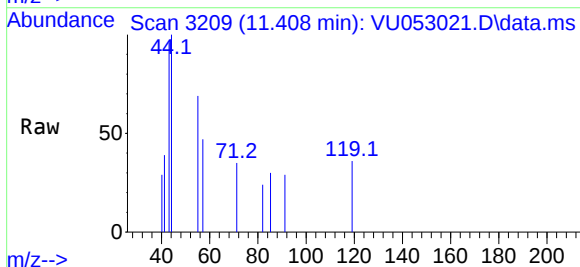
Instrument :
MSVOA_U
ClientSampleId :
TB-01-020723

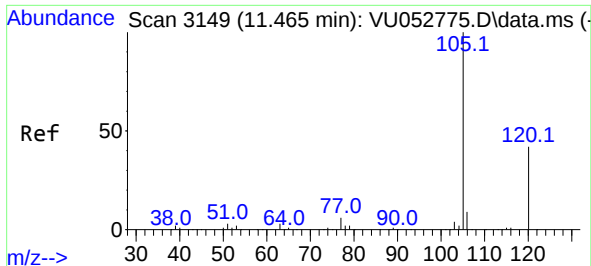
Tgt Ion:126 Resp: 52
Ion Ratio Lower Upper
126 100
91 915.4 0.0 661.8#



#77
tert-Butylbenzene
Concen: 0.004 ug/l
RT: 11.408 min Scan# 3209
Delta R.T. -0.009 min
Lab File: VU053021.D
Acq: 09 Feb 2023 16:24

Tgt Ion:119 Resp: 124
Ion Ratio Lower Upper
119 100
91 112.9 28.4 85.3#
134 0.0 18.6 27.8#

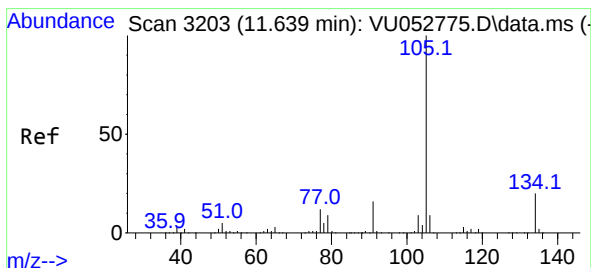
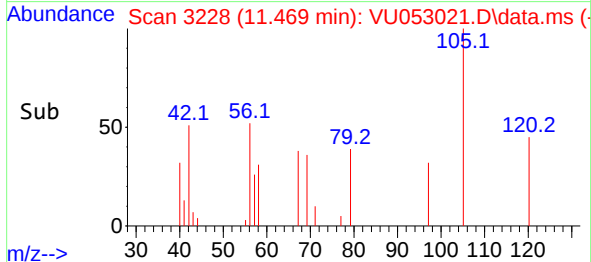
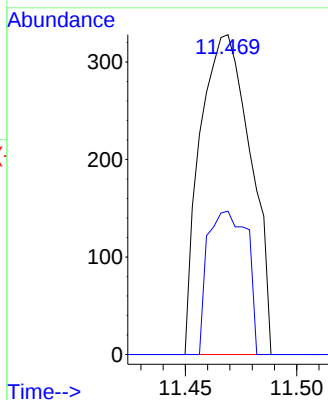
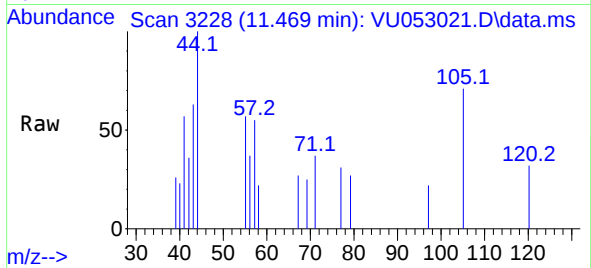




#78
 1,2,4-Trimethylbenzene
 Concen: 0.468 ug/l
 RT: 11.469 min Scan# 3149
 Delta R.T. 0.004 min
 Lab File: VU053021.D
 Acq: 09 Feb 2023 16:24

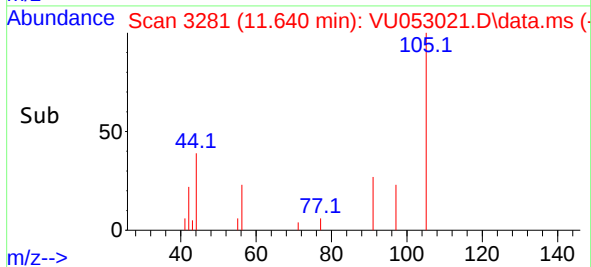
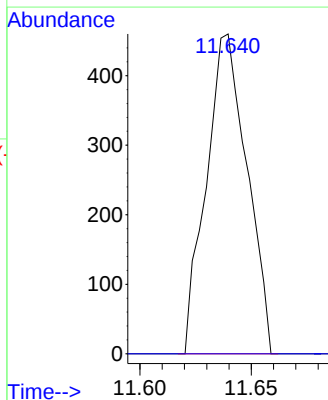
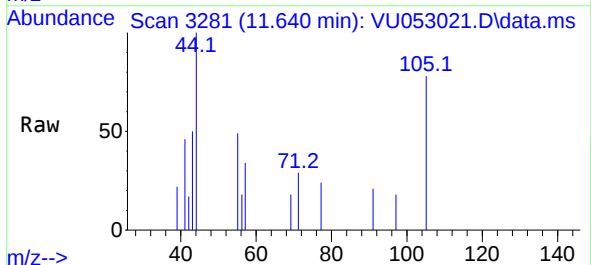
Instrument :
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 ClientSampleId :
 TB-01-020723

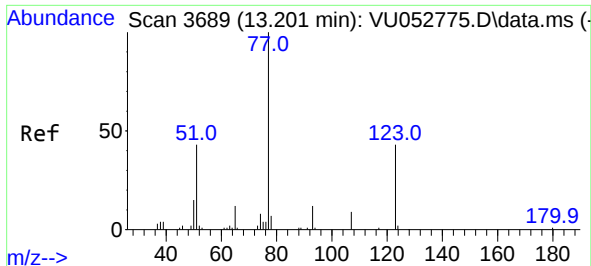
Tgt Ion:105 Resp: 516
 Ion Ratio Lower Upper
 105 100
 120 34.9 23.4 70.3



#79
 sec-Butylbenzene
 Concen: 0.440 ug/l
 RT: 11.640 min Scan# 3281
 Delta R.T. 0.001 min
 Lab File: VU053021.D
 Acq: 09 Feb 2023 16:24

Tgt Ion:105 Resp: 584
 Ion Ratio Lower Upper
 105 100
 134 11.0 16.5 24.7#

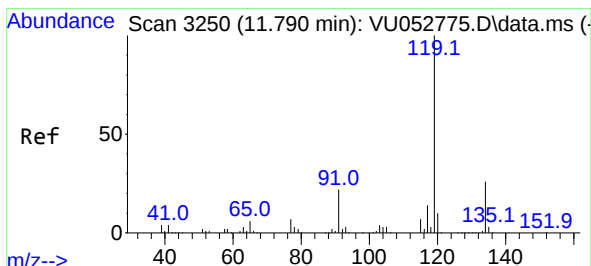
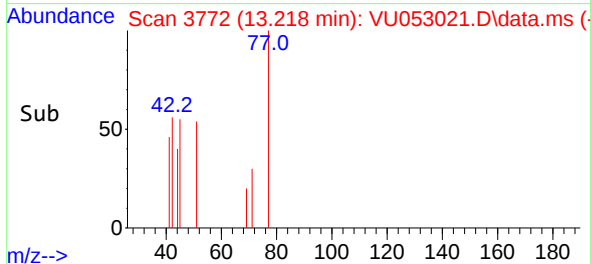
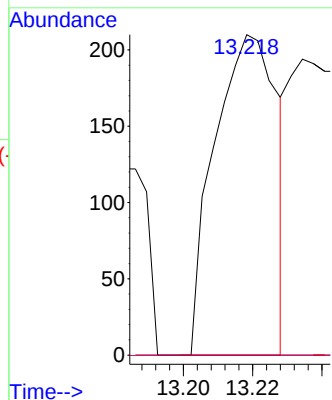
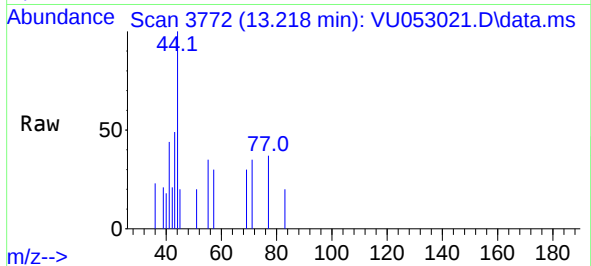




#80
Nitrobenzene
Concen: 0.537 ug/l
RT: 13.218 min Scan# 31
Delta R.T. 0.017 min
Lab File: VU053021.D
Acq: 09 Feb 2023 16:24

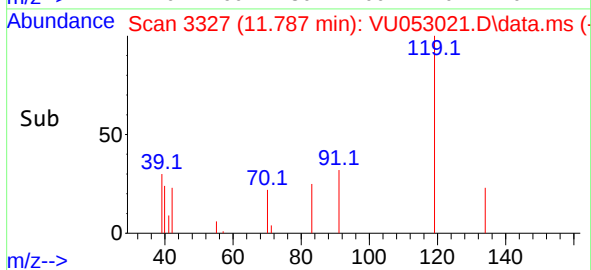
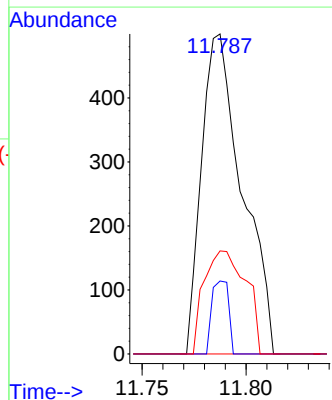
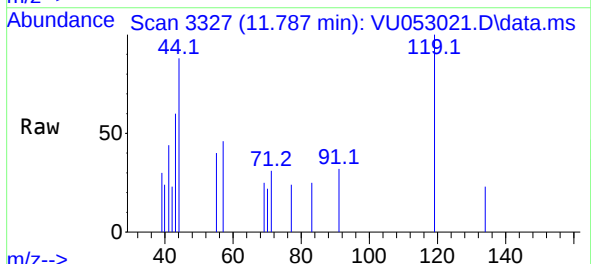
Instrument :
MSVOA_U
ClientSampleId :
TB-01-020723

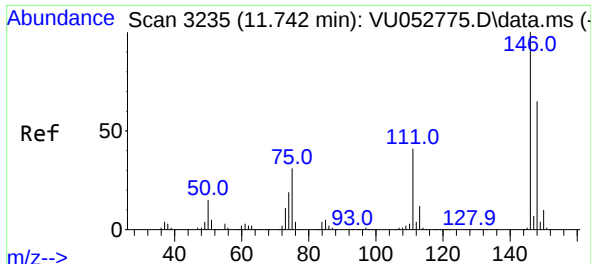
Tgt Ion: 77 Resp: 263
Ion Ratio Lower Upper
77 100
123 0.0 18.8 66.8#
65 0.0 10.1 12.9#



#81
p-Isopropyltoluene
Concen: 0.500 ug/l
RT: 11.787 min Scan# 3327
Delta R.T. -0.003 min
Lab File: VU053021.D
Acq: 09 Feb 2023 16:24

Tgt Ion: 119 Resp: 679
Ion Ratio Lower Upper
119 100
134 9.4 20.7 31.1#
91 33.1 17.6 26.4#





#82

1,3-Dichlorobenzene

Concen: 0.010 ug/l

RT: 11.749 min Scan# 31

Delta R.T. 0.007 min

Lab File: VU053021.D

Acq: 09 Feb 2023 16:24

Instrument :

MSVOA_U

ClientSampleId :

TB-01-020723

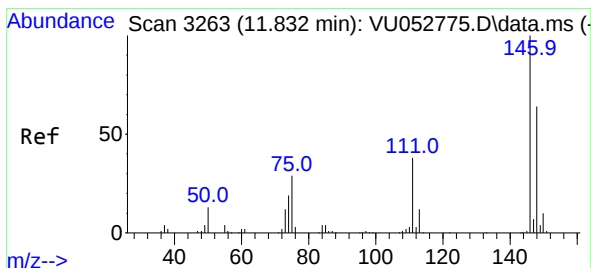
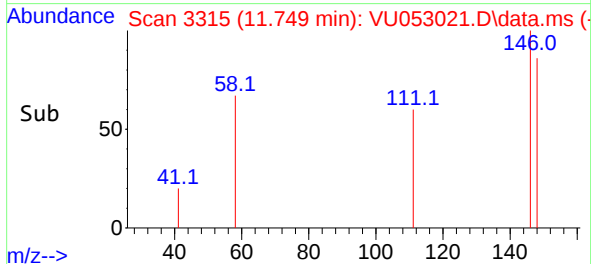
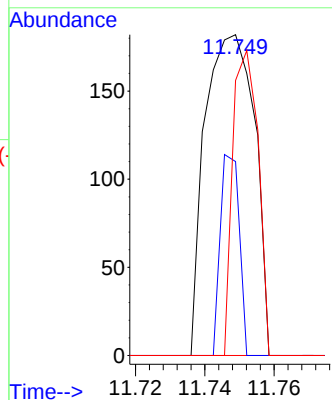
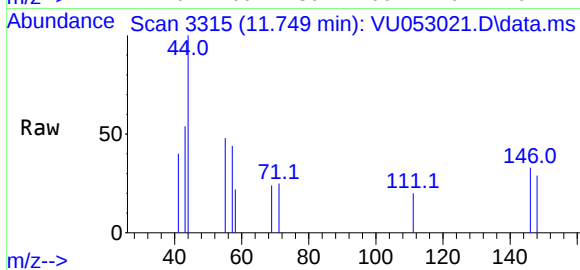
Tgt Ion:146 Resp: 180

Ion Ratio Lower Upper

146 100

111 23.9 32.6 48.8#

148 48.9 51.9 77.9#



#83

1,4-Dichlorobenzene

Concen: 0.020 ug/l

RT: 11.839 min Scan# 3343

Delta R.T. 0.007 min

Lab File: VU053021.D

Acq: 09 Feb 2023 16:24

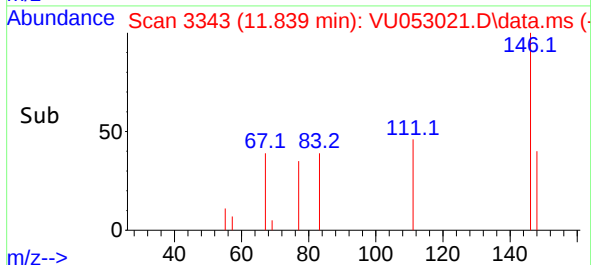
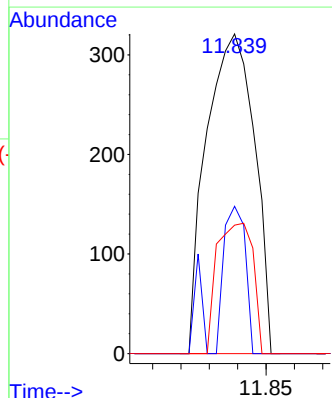
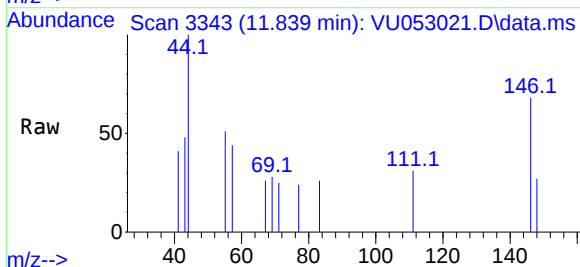
Tgt Ion:146 Resp: 378

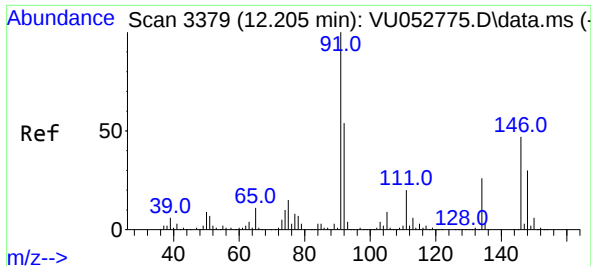
Ion Ratio Lower Upper

146 100

111 20.6 29.5 44.3#

148 30.4 51.4 77.0#

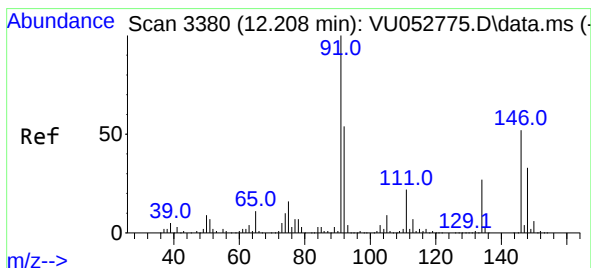
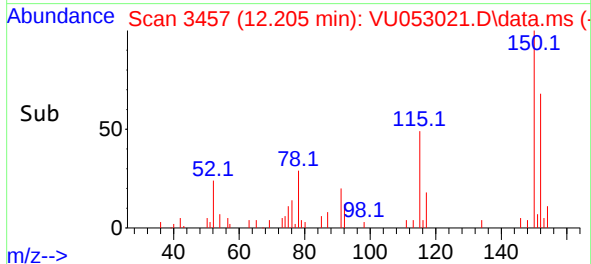
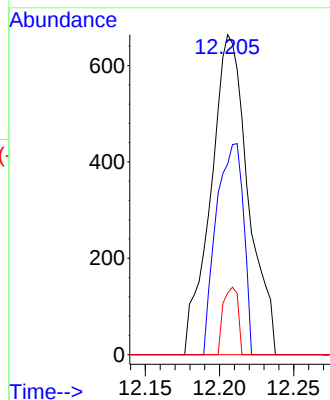
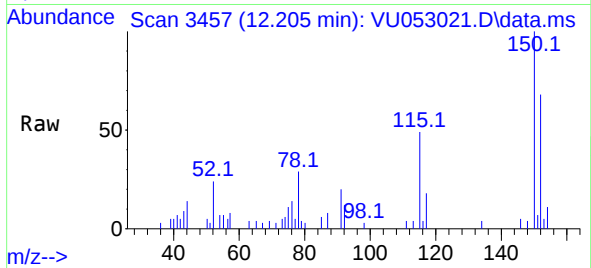




#84
n-Butylbenzene
Concen: 0.583 ug/l
RT: 12.205 min Scan# 3457
Delta R.T. 0.000 min
Lab File: VU053021.D
Acq: 09 Feb 2023 16:24

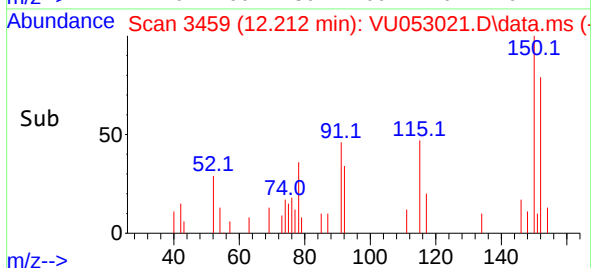
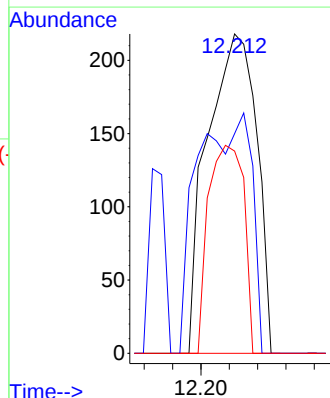
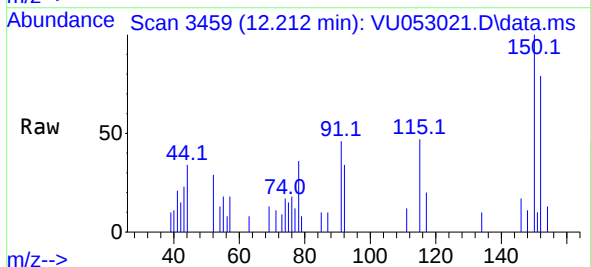
Instrument :
MSVOA_U
ClientSampleId :
TB-01-020723

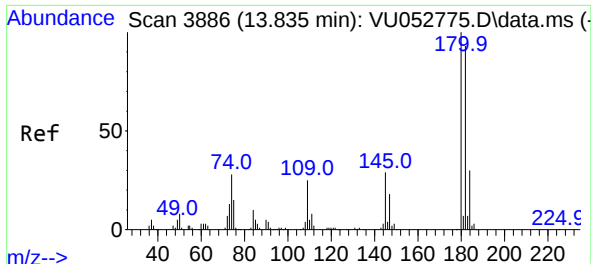
Tgt Ion: 91 Resp: 1164
Ion Ratio Lower Upper
91 100
92 47.8 43.4 65.0
134 8.3 21.2 31.8#



#85
1,2-Dichlorobenzene
Concen: 0.015 ug/l
RT: 12.212 min Scan# 3459
Delta R.T. 0.004 min
Lab File: VU053021.D
Acq: 09 Feb 2023 16:24

Tgt Ion: 146 Resp: 262
Ion Ratio Lower Upper
146 100
111 50.0 20.8 62.5
148 46.9 31.4 94.2





#87

1,2,4-Trichlorobenzene

Concen: 0.056 ug/l

RT: 13.839 min Scan# 3965

Delta R.T. 0.004 min

Lab File: VU053021.D

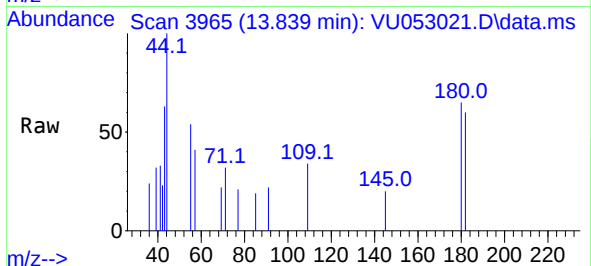
Acq: 09 Feb 2023 16:24

Instrument :

MSVOA_U

ClientSampleId :

TB-01-020723



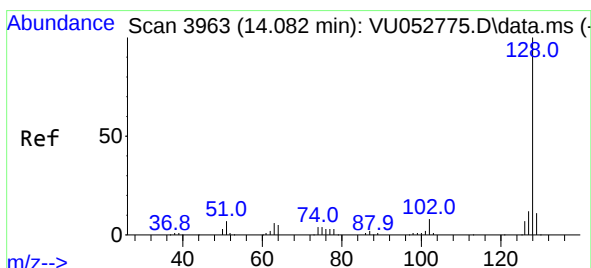
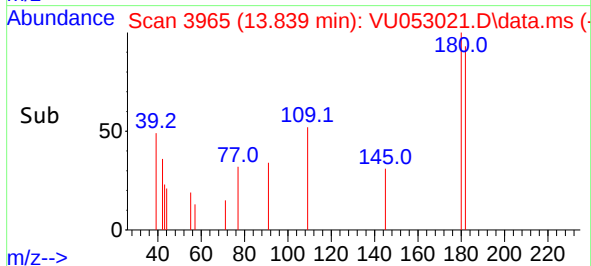
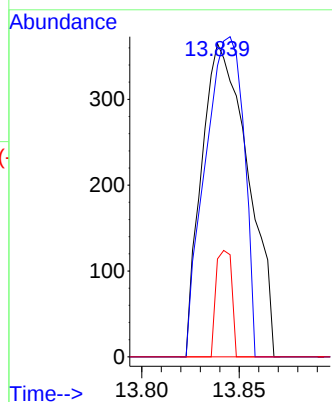
Tgt Ion:180 Resp: 603

Ion Ratio Lower Upper

180 100

182 85.4 74.6 112.0

145 11.4 23.4 35.0#



#89

Naphthalene

Concen: 0.100 ug/l

RT: 14.093 min Scan# 4044

Delta R.T. 0.010 min

Lab File: VU053021.D

Acq: 09 Feb 2023 16:24

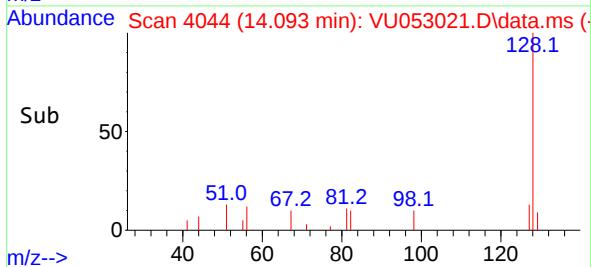
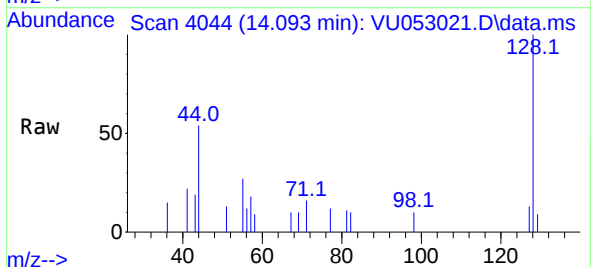
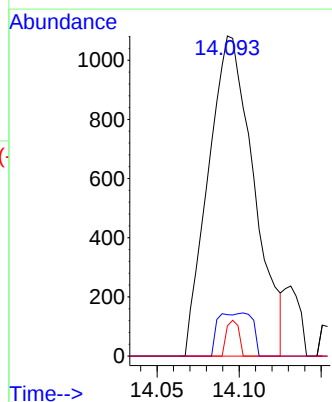
Tgt Ion:128 Resp: 2078

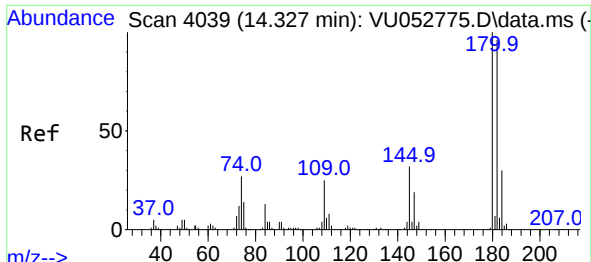
Ion Ratio Lower Upper

128 100

127 10.2 10.2 15.4#

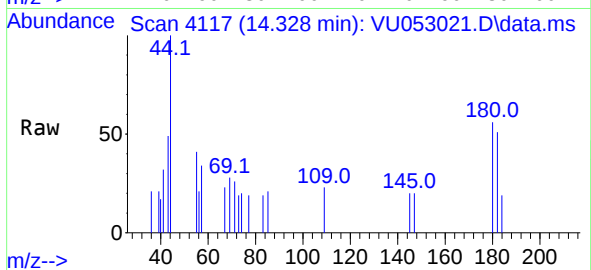
129 3.0 8.6 12.8#





#90
 1,2,3-Trichlorobenzene
 Concen: 0.041 ug/l
 RT: 14.328 min Scan# 4117
 Delta R.T. 0.001 min
 Lab File: VU053021.D
 Acq: 09 Feb 2023 16:24

Instrument :
 MSVOA_U
 ClientSampleId :
 TB-01-020723



Tgt Ion:180 Resp: 415
 Ion Ratio Lower Upper
 180 100
 182 106.0 77.8 116.6
 145 21.4 25.2 37.8#

