

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020923\
 Data File : VU053017.D
 Acq On : 09 Feb 2023 14:25
 Operator : JC/MD
 Sample : 01480-02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PW-B6-L57-020723

Quant Time: Feb 09 15:14:57 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	33110	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	11842	1.075	ug/l	0.00
Spiked Amount	1.000		Recovery	=	108.000%	
68) 1,2-Dichlorobenzene-d4	12.193	152	9745	0.860	ug/l	0.00
Spiked Amount	1.000		Recovery	=	86.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.379	85	198	0.018	ug/l	# 43
3) Chloromethane	1.521	50	782	0.074	ug/l	96
5) Bromomethane	1.855	94	220	0.041	ug/l	# 8
6) Chloroethane	1.955	64	19	0.003	ug/l	91
7) Trichlorofluoromethane	1.994	101	20	0.001	ug/l	95
9) 1,1-Dichloroethene	2.582	96	51	0.007	ug/l	1
10) Iodomethane	2.711	142	139	0.016	ug/l	# 32
11) Allyl Chloride	2.929	41	94	0.010	ug/l	98
12) Acrylonitrile	3.325	53	127	0.078	ug/l	# 21
13) Acetone	2.640	43	1310	0.564	ug/l	89
14) Carbon Disulfide	2.785	76	475	0.018	ug/l	# 7
15) Methylene Chloride	3.045	84	2897	0.310	ug/l	96
16) trans-1,2-Dichloroethene	3.350	96	65	0.008	ug/l	# 21
17) 1,1-Dichloroethane	3.887	63	152	0.010	ug/l	# 80
18) 2-Butanone	4.749	43	303	0.112	ug/l	77
19) Cyclohexane	5.363	56	66	0.005	ug/l	# 1
20) Methylcyclohexane	6.755	83	172	0.012	ug/l	# 73
21) 2,2-Dichloropropane	4.579	77	209	0.016	ug/l	92
22) cis-1,2-Dichloroethene	4.688	96	198	0.022	ug/l	29
23) Diethyl Ether	2.341	59	40	0.007	ug/l	# 1
24) tert-Butyl Alcohol	3.338	59	201	0.306	ug/l	93
25) Methyl tert-Butyl Ether	3.360	73	92	0.005	ug/l	# 1
26) Bromochloromethane	4.958	128	20	0.005	ug/l	# 1
27) Chloroform	5.077	83	398	0.026	ug/l	42
28) 1,1,1-Trichloroethane	5.299	97	77	0.005	ug/l	# 1
30) Carbon Tetrachloride	5.376	117	60	0.005	ug/l	# 12
31) Isopropyl Ether	4.013	45	192	0.009	ug/l	70
32) Ethyl-t-butyl ether	4.492	59	79	0.004	ug/l	# 31
33) Tert-Amyl methyl ether	6.103	73	286	0.017	ug/l	# 1
34) Propionitrile	4.804	54	38	0.061	ug/l	# 1
35) Benzene	5.772	78	60	0.002	ug/l	# 52
36) 1,2-Dichloroethane	5.778	62	23	0.002	ug/l	# 1
39) Methacrylonitrile	4.984	41	282	0.114	ug/l	# 36
40) Methyl acrylate	4.842	55	116	0.027	ug/l	# 1
41) Tetrahydrofuran	5.039	42	124	0.101	ug/l	# 53
42) 1-Chlorobutane	5.646	56	170	0.011	ug/l	81
44) Bromodichloromethane	7.116	83	64	0.005	ug/l	# 78
45) 4-Methyl-2-Pentanone	7.800	43	232	0.049	ug/l	97
46) t-1,4-Dichloro-2-butene	10.630	75	5980	2.405	ug/l	# 24
47) Methyl methacrylate	6.974	69	41	0.010	ug/l	# 1
48) Ethyl methacrylate	8.337	69	131	0.018	ug/l	71
49) Toluene	7.961	92	40	0.002	ug/l	# 1
52) 1,1,2-Trichloroethane	8.402	97	68	0.011	ug/l	# 35

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

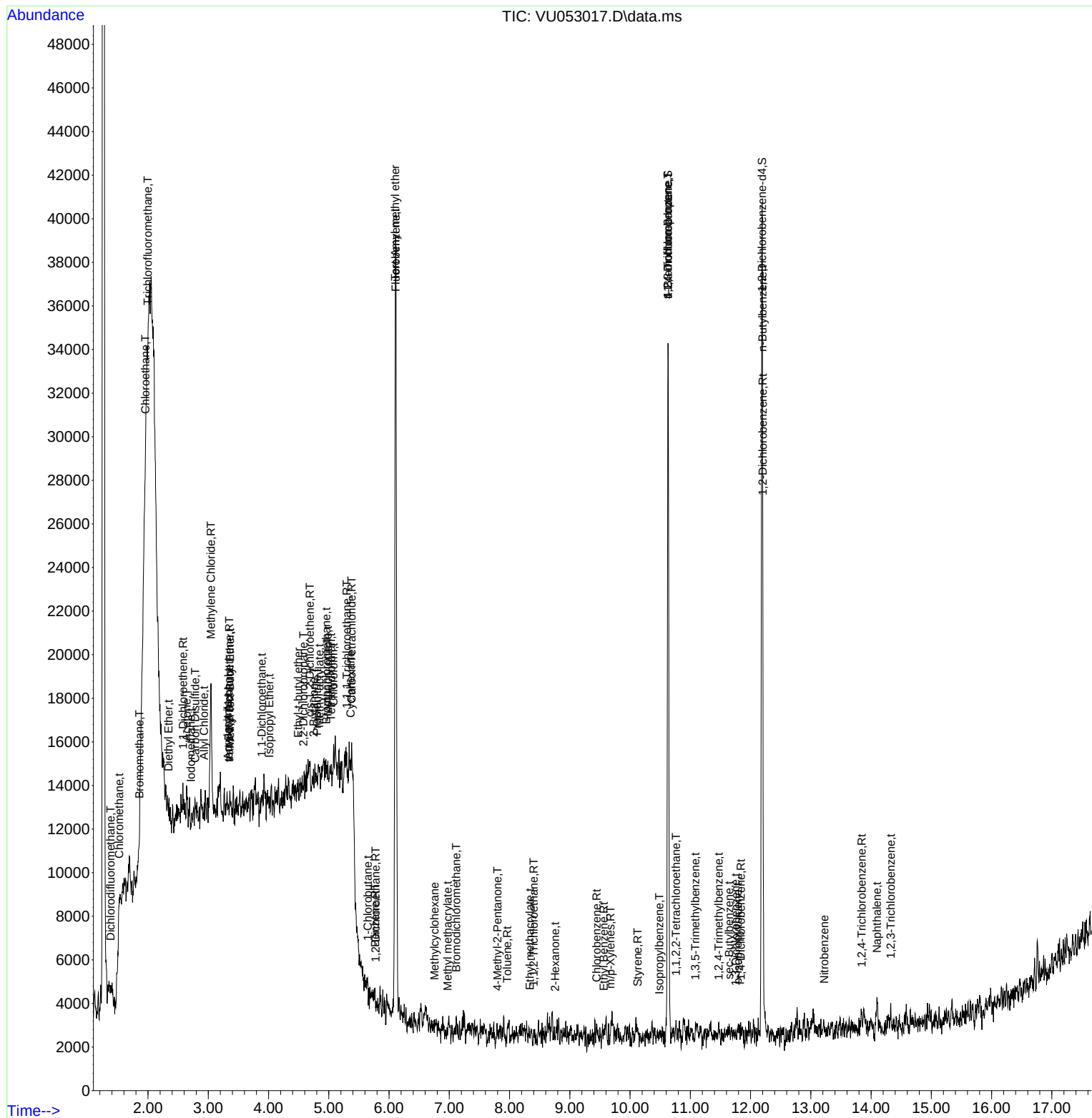
54) 2-Hexanone	8.755	43	106	0.026	ug/l	83
59) Chlorobenzene	9.447	112	113	0.005	ug/l #	43
63) Ethyl Benzene	9.566	91	402	0.011	ug/l #	43
64) m/p-Xylenes	9.675	106	179	0.012	ug/l #	1
66) Styrene	10.125	104	227	0.428	ug/l #	32
69) Isopropylbenzene	10.485	105	139	0.004	ug/l #	48
70) 1,1,2,2-Tetrachloroethane	10.762	83	138	0.017	ug/l #	74
71) 1,2,3-Trichloropropane	10.630	75	5980	0.863	ug/l #	43
75) 1,3,5-Trimethylbenzene	11.083	105	231	0.426	ug/l #	27
78) 1,2,4-Trimethylbenzene	11.472	105	327	0.463	ug/l #	49
79) sec-Butylbenzene	11.643	105	277	0.434	ug/l #	87
80) Nitrobenzene	13.221	77	369	0.745	ug/l #	41
81) p-Isopropyltoluene	11.787	119	314	0.491	ug/l #	86
82) 1,3-Dichlorobenzene	11.752	146	93	0.005	ug/l #	24
83) 1,4-Dichlorobenzene	11.839	146	277	0.014	ug/l #	70
84) n-Butylbenzene	12.199	91	932	0.577	ug/l #	70
85) 1,2-Dichlorobenzene	12.202	146	176	0.010	ug/l #	51
87) 1,2,4-Trichlorobenzene	13.845	180	394	0.036	ug/l #	92
89) Naphthalene	14.099	128	1725	0.082	ug/l #	84
90) 1,2,3-Trichlorobenzene	14.328	180	204	0.020	ug/l #	42

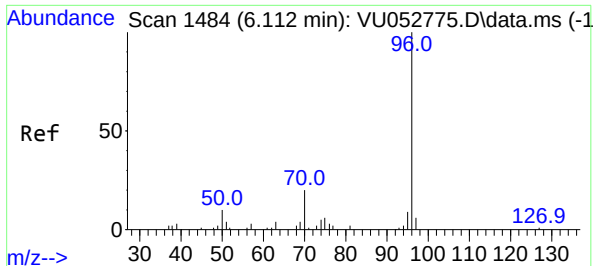
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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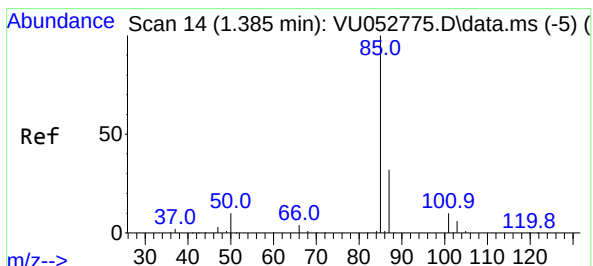
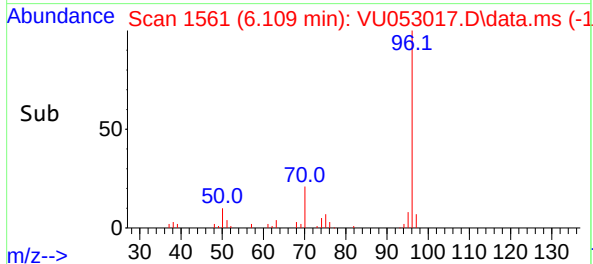
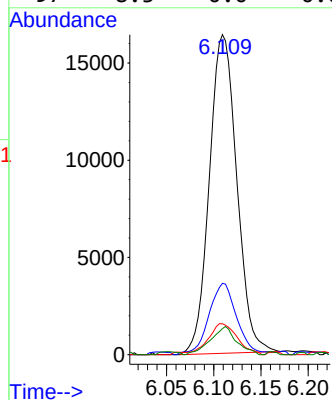
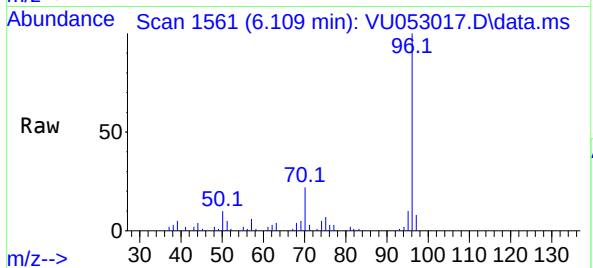




#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.109 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU053017.D
Acq: 09 Feb 2023 14:25

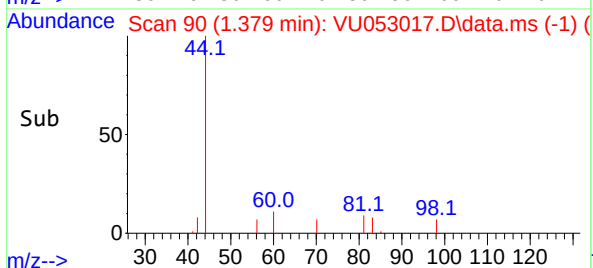
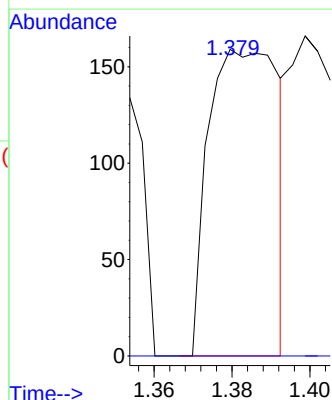
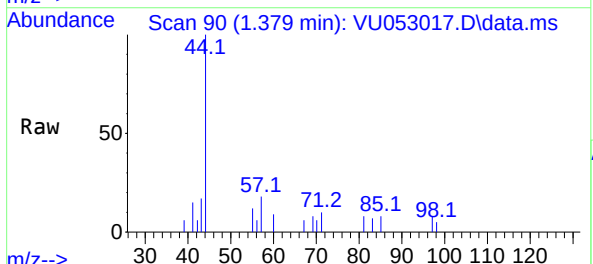
Instrument :
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ClientSampleId :
PW-B6-L57-020723

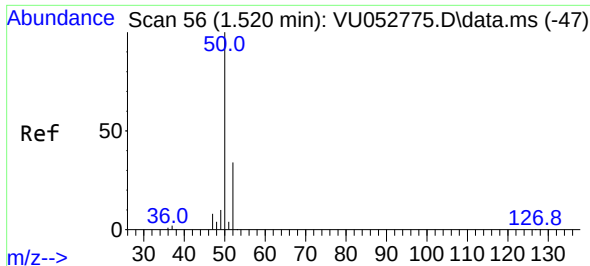
Tgt Ion: 96	Resp: 33110
Ion Ratio	Lower Upper
96	100
70	21.9 16.2 24.4
95	9.4 7.4 11.0
97	8.3 0.0 0.0



#2
Dichlorodifluoromethane
Concen: 0.018 ug/l
RT: 1.379 min Scan# 90
Delta R.T. -0.006 min
Lab File: VU053017.D
Acq: 09 Feb 2023 14:25

Tgt Ion: 85	Resp: 198
Ion Ratio	Lower Upper
85	100
87	0.0 16.1 48.2

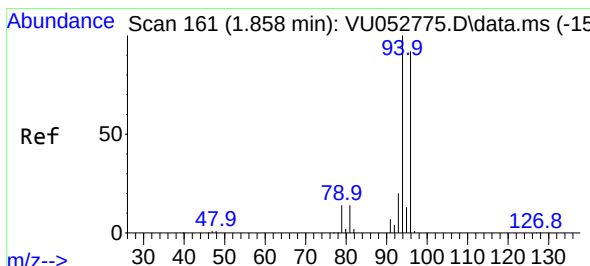
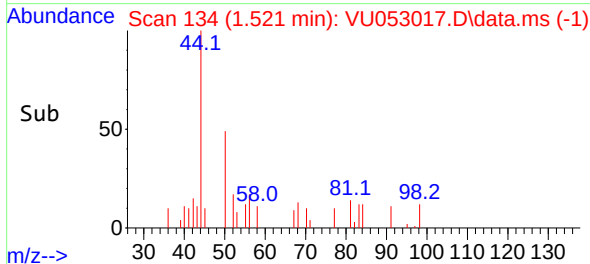
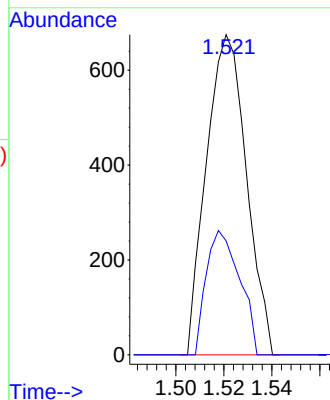
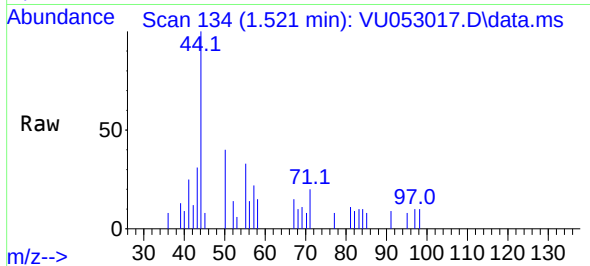




#3
Chloromethane
Concen: 0.074 ug/l
RT: 1.521 min Scan# 11
Delta R.T. 0.001 min
Lab File: VU053017.D
Acq: 09 Feb 2023 14:25

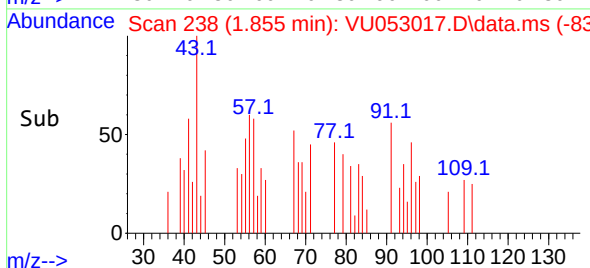
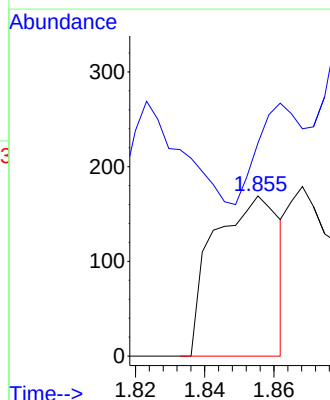
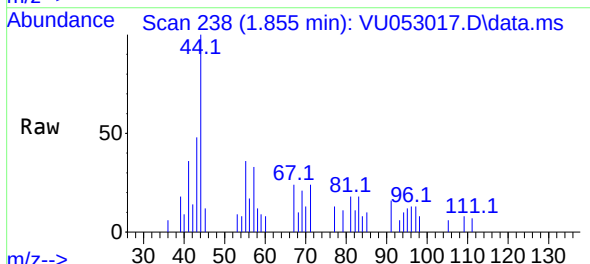
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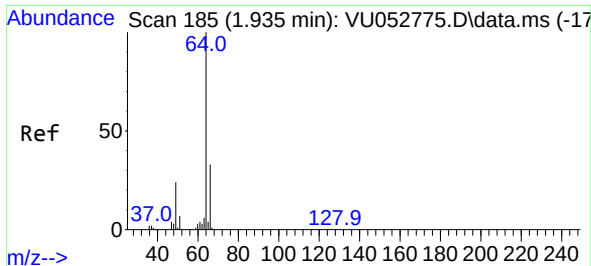
Tgt Ion: 50 Resp: 782
Ion Ratio Lower Upper
50 100
52 35.6 26.8 40.2



#5
Bromomethane
Concen: 0.041 ug/l
RT: 1.855 min Scan# 238
Delta R.T. -0.002 min
Lab File: VU053017.D
Acq: 09 Feb 2023 14:25

Tgt Ion: 94 Resp: 220
Ion Ratio Lower Upper
94 100
96 4.1 73.8 110.6#

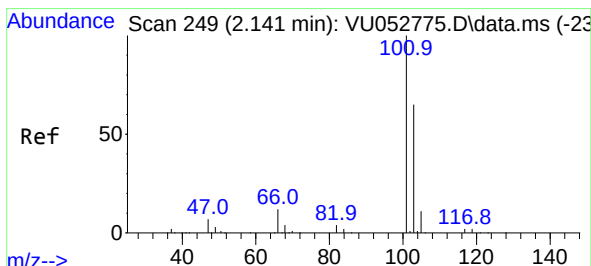
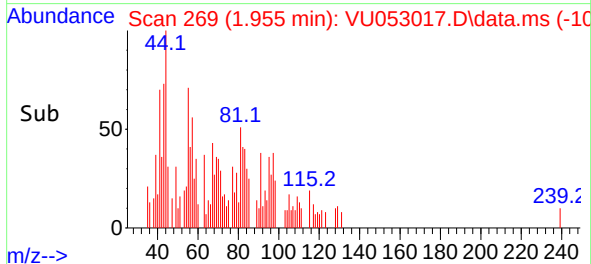
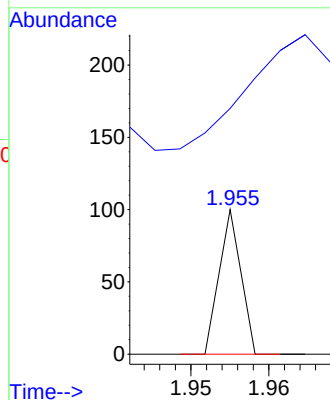
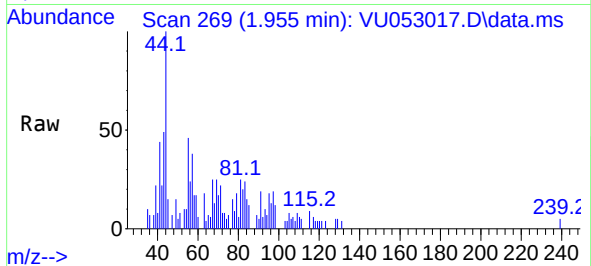




#6
Chloroethane
Concen: 0.003 ug/l
RT: 1.955 min Scan# 20
Delta R.T. 0.020 min
Lab File: VU053017.D
Acq: 09 Feb 2023 14:25

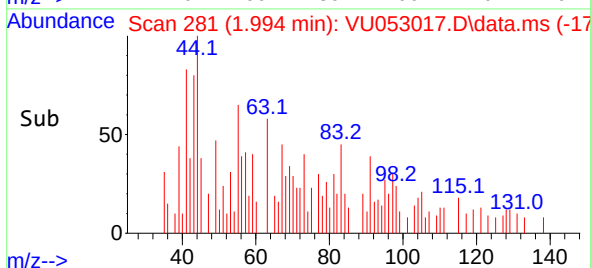
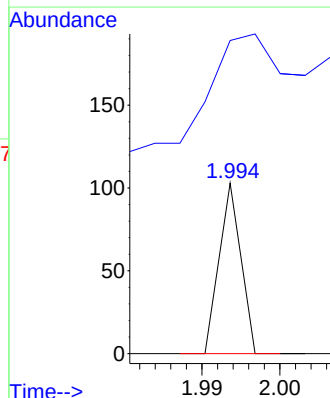
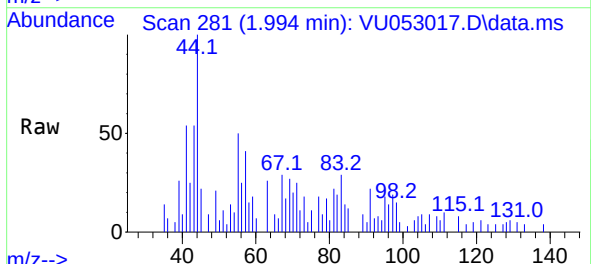
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L57-020723

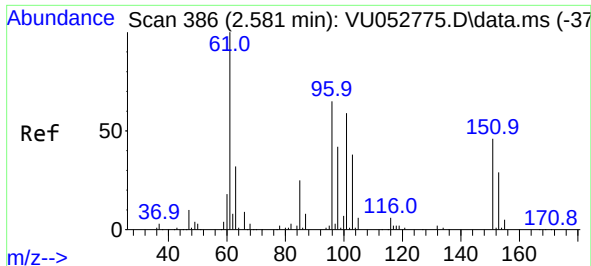
Tgt Ion: 64 Resp: 19
Ion Ratio Lower Upper
64 100
66 28.0 26.6 40.0



#7
Trichlorofluoromethane
Concen: 0.001 ug/l
RT: 1.994 min Scan# 281
Delta R.T. -0.147 min
Lab File: VU053017.D
Acq: 09 Feb 2023 14:25

Tgt Ion: 101 Resp: 20
Ion Ratio Lower Upper
101 100
103 60.2 51.6 77.4



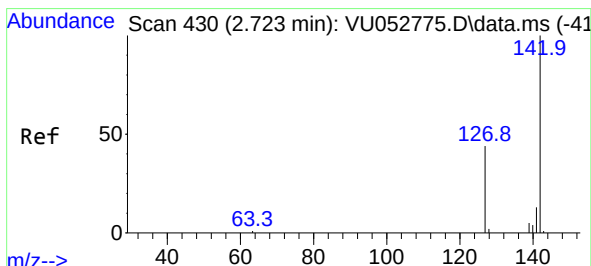
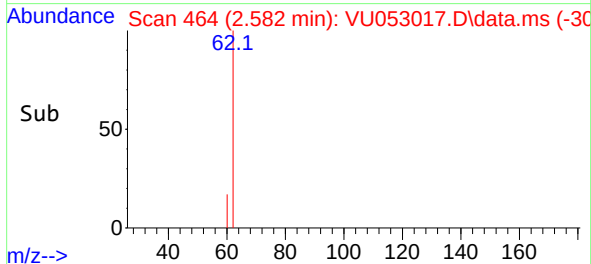
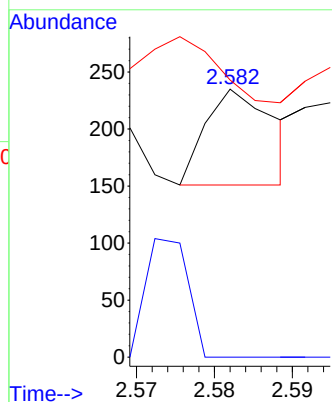
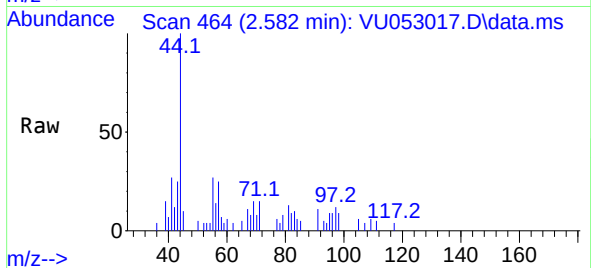


#9
1,1-Dichloroethene
Concen: 0.007 ug/l
RT: 2.582 min Scan# 41
Delta R.T. 0.001 min
Lab File: VU053017.D
Acq: 09 Feb 2023 14:25

Instrument :
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ClientSampleId :
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Tgt Ion: 96 Resp: 51

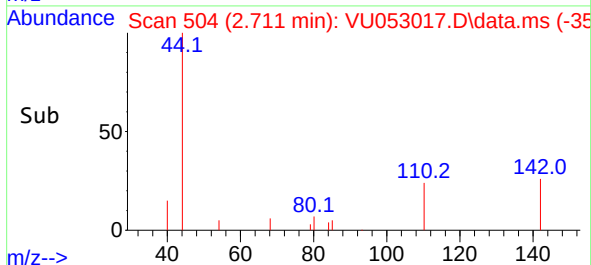
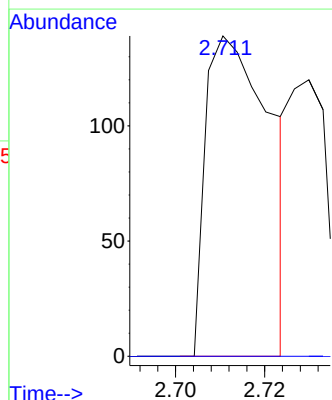
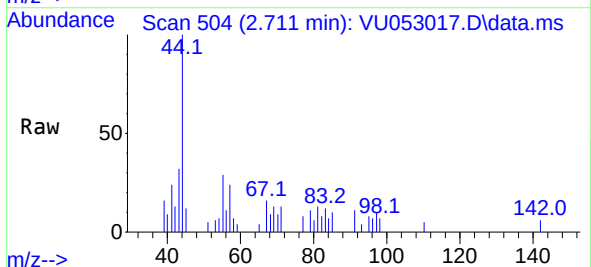
Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	460.5
98	23.8	0.0	128.0

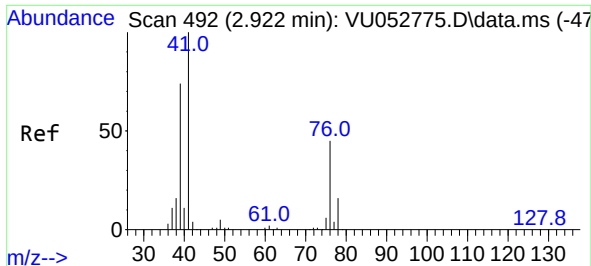


#10
Iodomethane
Concen: 0.016 ug/l
RT: 2.711 min Scan# 504
Delta R.T. -0.012 min
Lab File: VU053017.D
Acq: 09 Feb 2023 14:25

Tgt Ion: 142 Resp: 139

Ion	Ratio	Lower	Upper
142	100		
127	0.0	35.4	53.0#

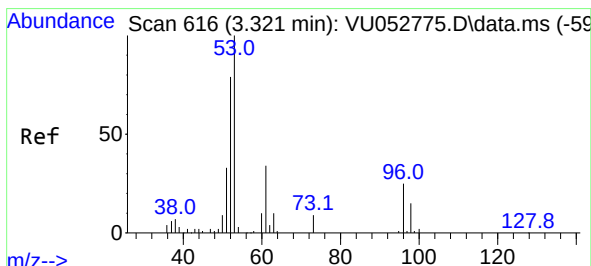
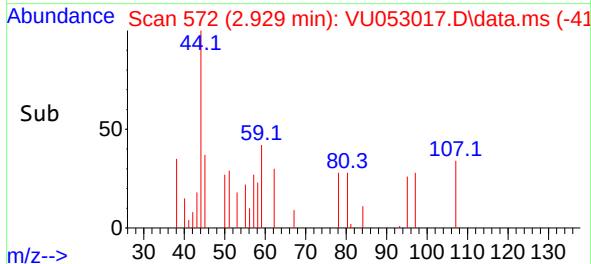
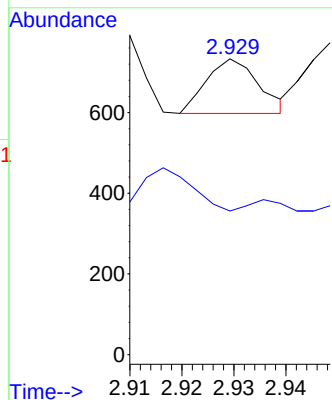
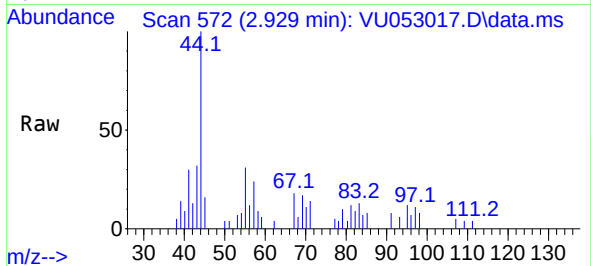




#11
 Allyl Chloride
 Concen: 0.010 ug/l
 RT: 2.929 min Scan# 51
 Delta R.T. 0.007 min
 Lab File: VU053017.D
 Acq: 09 Feb 2023 14:25

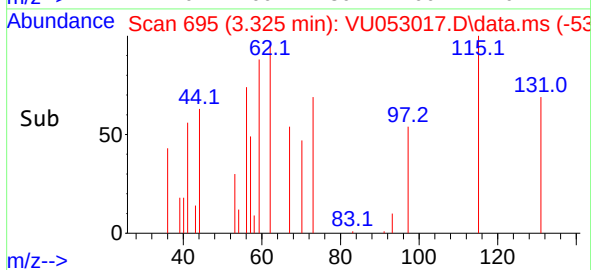
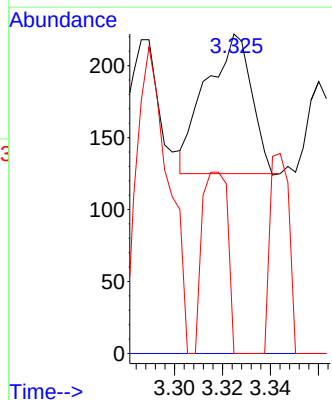
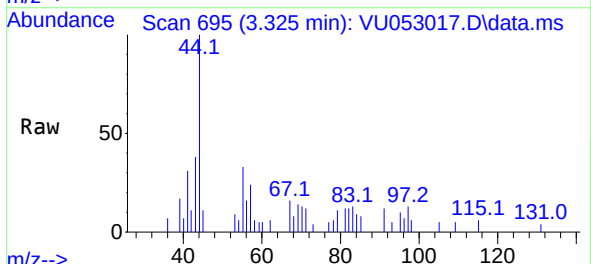
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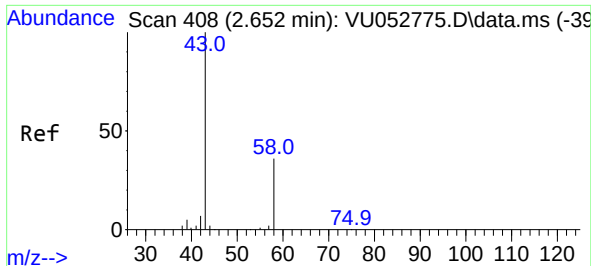
Tgt Ion: 41 Resp: 94
 Ion Ratio Lower Upper
 41 100
 39 75.5 59.3 88.9



#12
 Acrylonitrile
 Concen: 0.078 ug/l
 RT: 3.325 min Scan# 695
 Delta R.T. 0.004 min
 Lab File: VU053017.D
 Acq: 09 Feb 2023 14:25

Tgt Ion: 53 Resp: 127
 Ion Ratio Lower Upper
 53 100
 52 0.0 63.0 94.4#
 51 73.2 31.3 46.9#

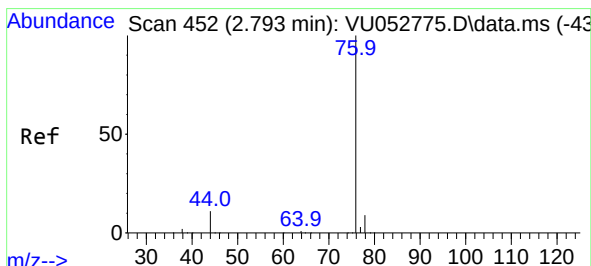
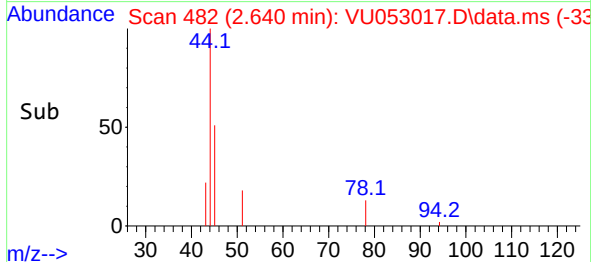
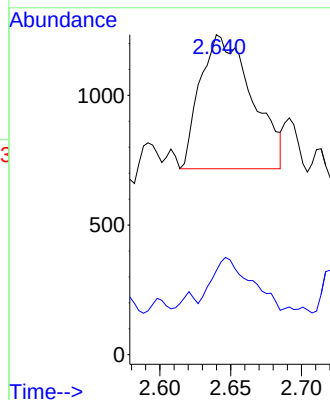
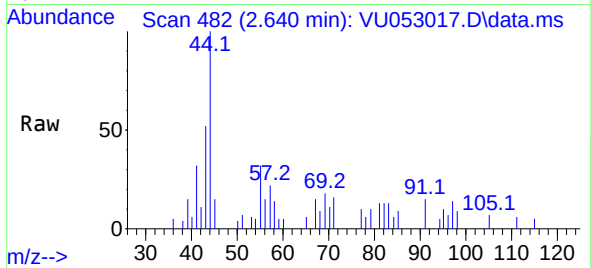




#13
Acetone
Concen: 0.564 ug/l
RT: 2.640 min Scan# 41
Delta R.T. -0.012 min
Lab File: VU053017.D
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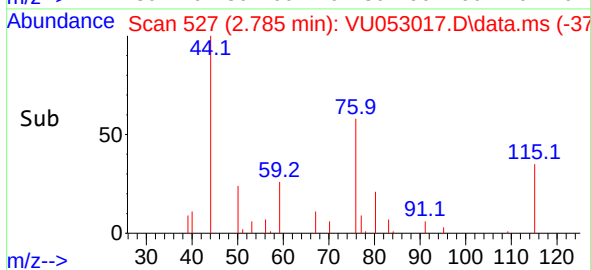
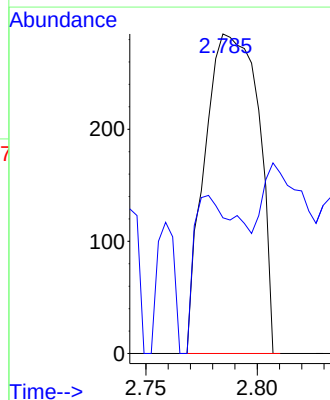
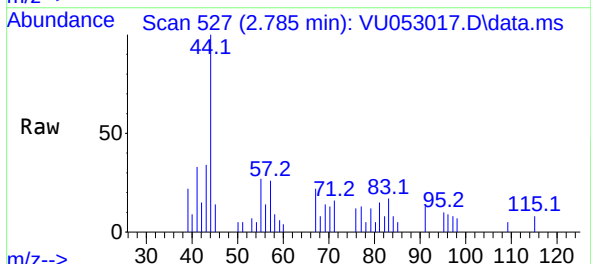
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L57-020723

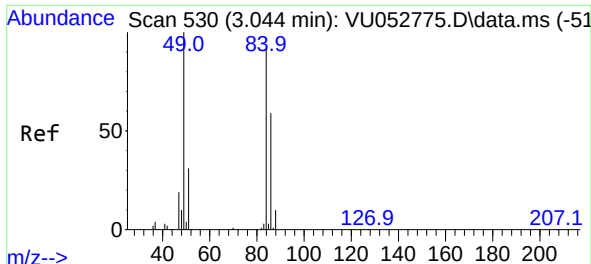
Tgt Ion: 43 Resp: 1310
Ion Ratio Lower Upper
43 100
58 29.6 29.0 43.4



#14
Carbon Disulfide
Concen: 0.018 ug/l
RT: 2.785 min Scan# 527
Delta R.T. -0.009 min
Lab File: VU053017.D
Acq: 09 Feb 2023 14:25

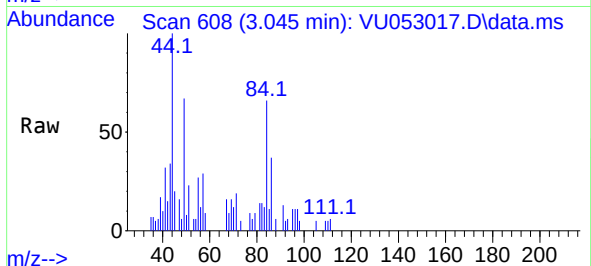
Tgt Ion: 76 Resp: 475
Ion Ratio Lower Upper
76 100
78 42.5 7.1 10.7#





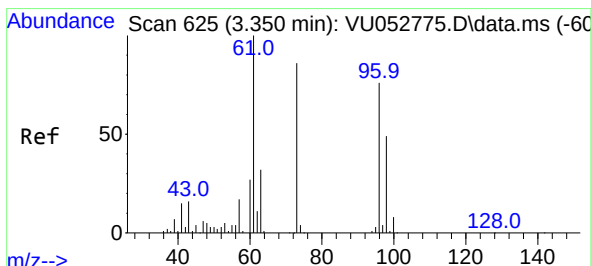
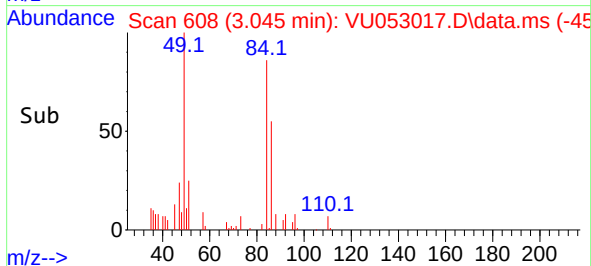
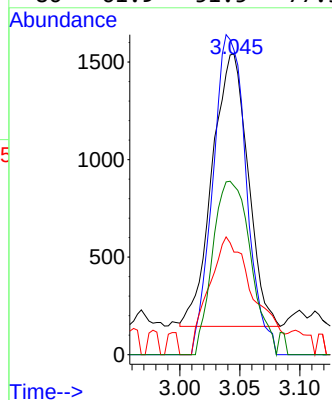
#15
Methylene Chloride
Concen: 0.310 ug/l
RT: 3.045 min Scan# 60
Delta R.T. 0.001 min
Lab File: VU053017.D
Acq: 09 Feb 2023 14:25

Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L57-020723



Tgt Ion: 84 Resp: 2897

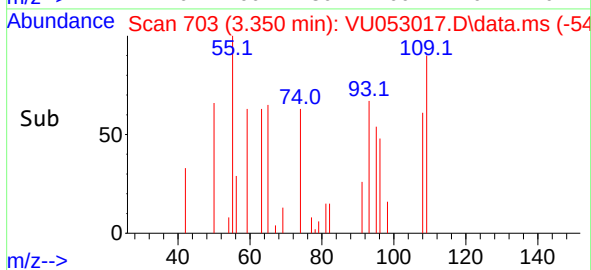
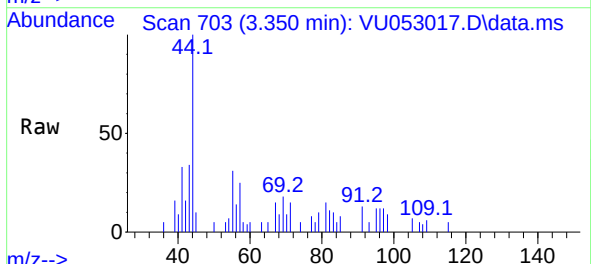
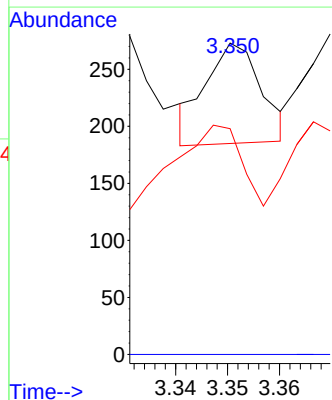
Ion	Ratio	Lower	Upper
84	100		
49	111.7	86.7	130.1
51	37.7	0.0	66.8
86	61.9	51.5	77.3

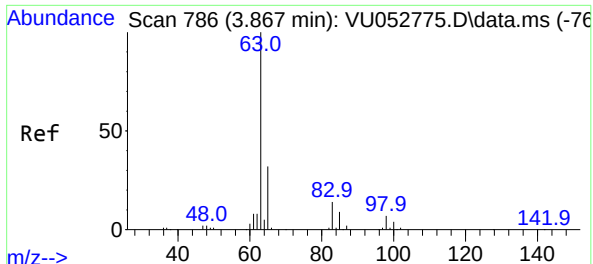


#16
trans-1,2-Dichloroethene
Concen: 0.008 ug/l
RT: 3.350 min Scan# 703
Delta R.T. 0.001 min
Lab File: VU053017.D
Acq: 09 Feb 2023 14:25

Tgt Ion: 96 Resp: 65

Ion	Ratio	Lower	Upper
96	100		
61	0.0	105.7	158.5#
98	73.3	51.4	77.2

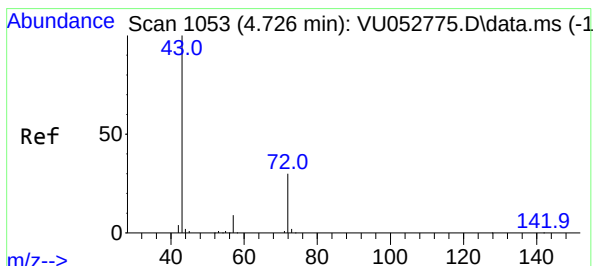
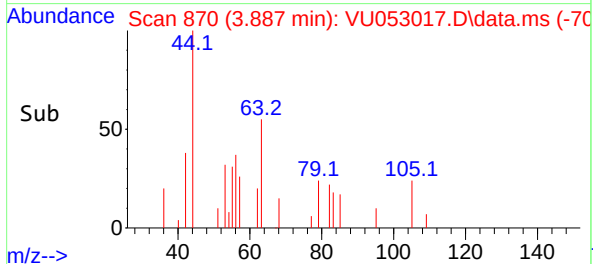
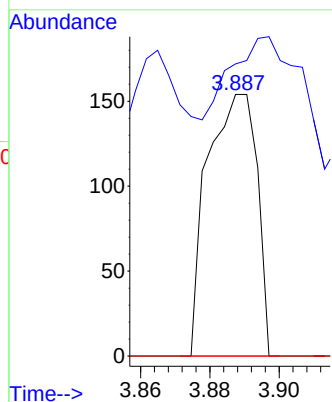
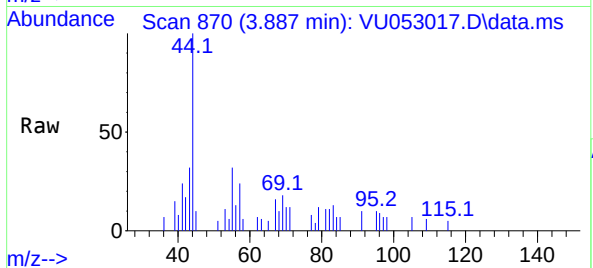




#17
1,1-Dichloroethane
Concen: 0.010 ug/l
RT: 3.887 min Scan# 81
Delta R.T. 0.020 min
Lab File: VU053017.D
Acq: 09 Feb 2023 14:25

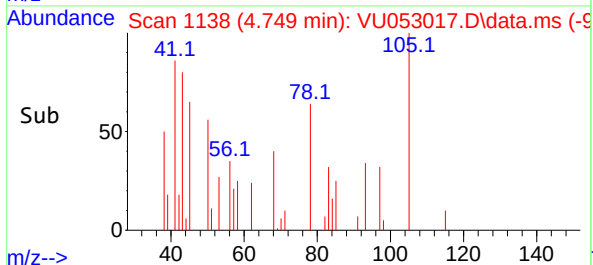
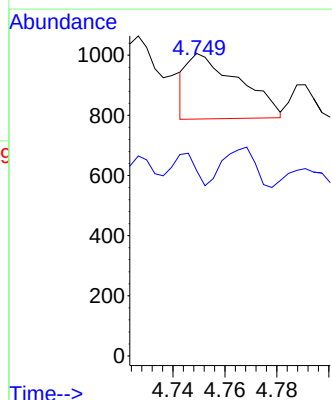
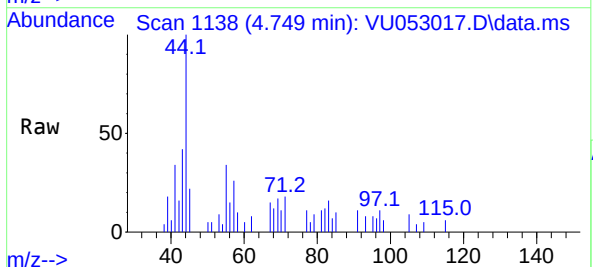
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L57-020723

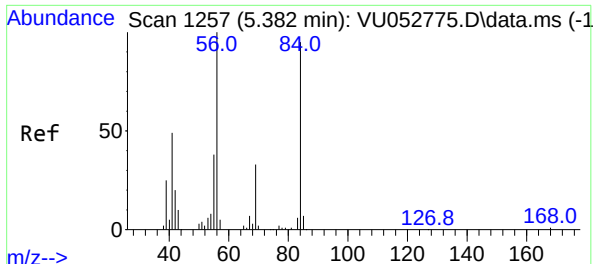
Tgt Ion: 63 Resp: 152
Ion Ratio Lower Upper
63 100
98 15.6 3.8 11.2#
100 0.0 2.2 6.6#



#18
2-Butanone
Concen: 0.112 ug/l
RT: 4.749 min Scan# 1138
Delta R.T. 0.023 min
Lab File: VU053017.D
Acq: 09 Feb 2023 14:25

Tgt Ion: 43 Resp: 303
Ion Ratio Lower Upper
43 100
57 16.8 0.0 17.4





#19

Cyclohexane

Concen: 0.005 ug/l

RT: 5.363 min Scan# 11

Delta R.T. -0.019 min

Lab File: VU053017.D

Acq: 09 Feb 2023 14:25

Instrument :

MSVOA_U

ClientSampleId :

PW-B6-L57-020723

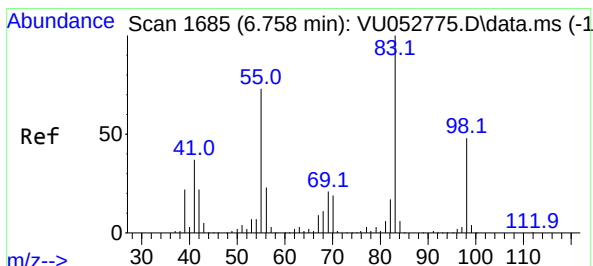
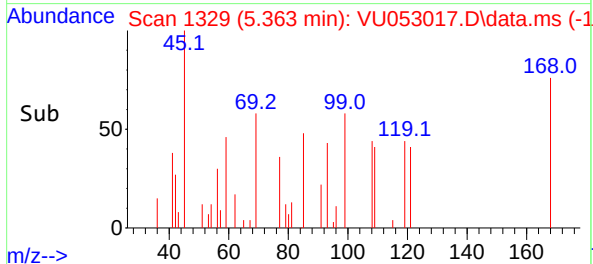
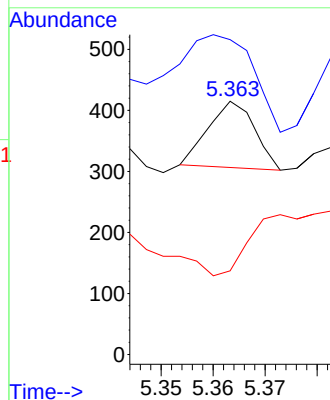
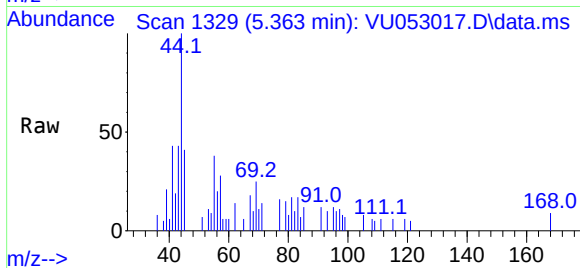
Tgt Ion: 56 Resp: 66

Ion Ratio Lower Upper

56 100

69 306.1 26.8 40.2#

84 177.3 77.0 115.6#



#20

Methylcyclohexane

Concen: 0.012 ug/l

RT: 6.755 min Scan# 1762

Delta R.T. -0.002 min

Lab File: VU053017.D

Acq: 09 Feb 2023 14:25

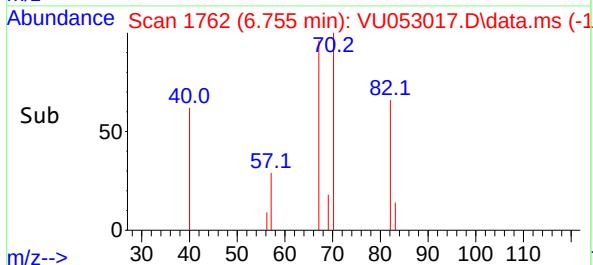
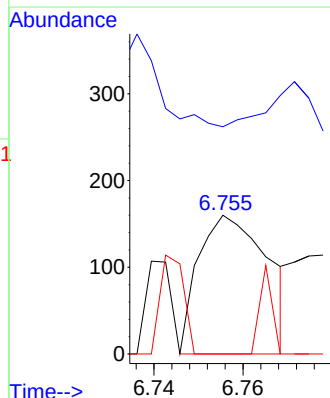
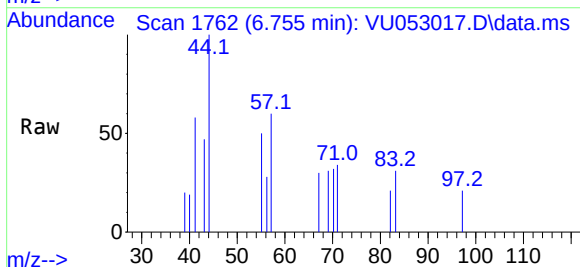
Tgt Ion: 83 Resp: 172

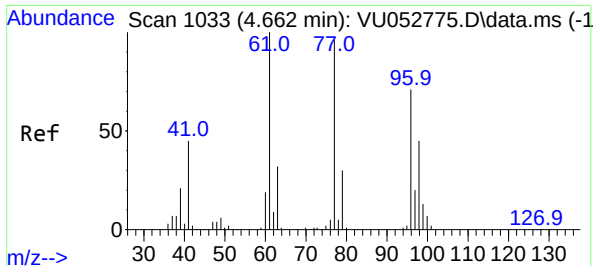
Ion Ratio Lower Upper

83 100

55 66.3 58.7 88.1

98 11.6 39.4 59.2#

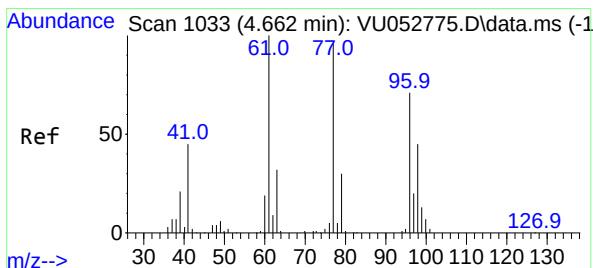
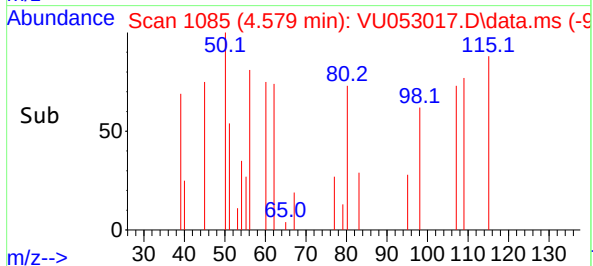
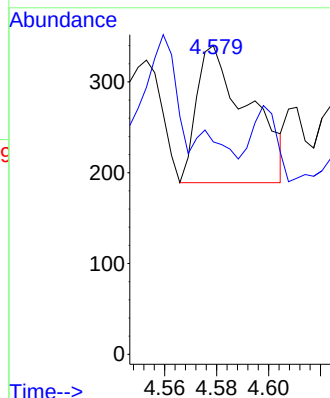
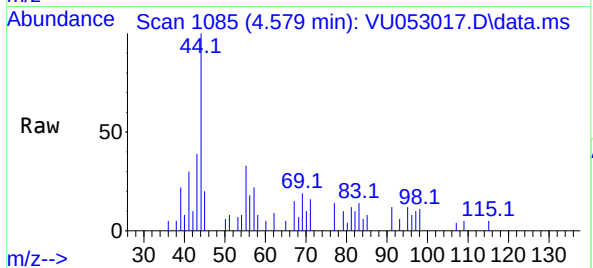




#21
2,2-Dichloropropane
Concen: 0.016 ug/l
RT: 4.579 min Scan# 1119
Delta R.T. -0.083 min
Lab File: VU053017.D
Acq: 09 Feb 2023 14:25

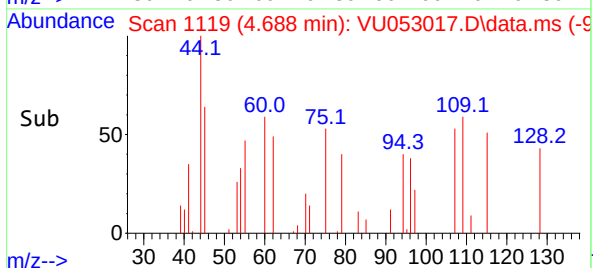
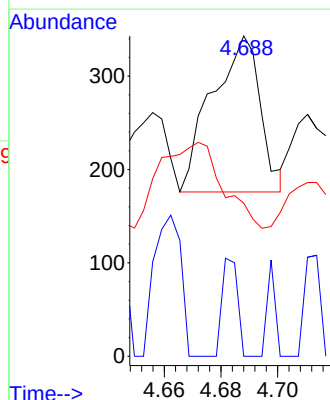
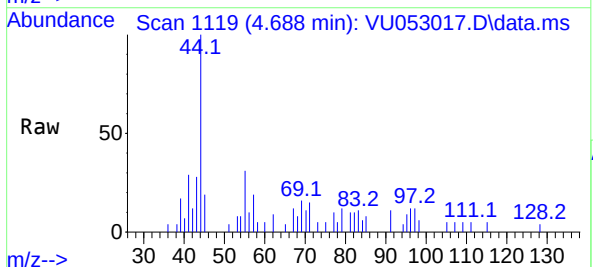
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L57-020723

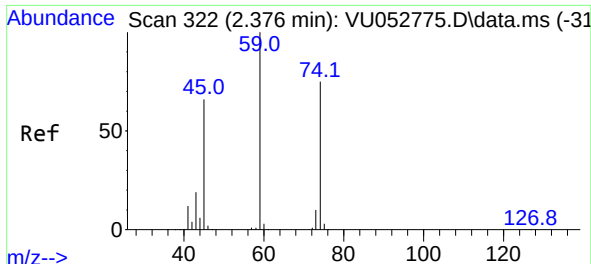
Tgt Ion: 77 Resp: 209
Ion Ratio Lower Upper
77 100
97 24.9 16.8 25.2



#22
cis-1,2-Dichloroethene
Concen: 0.022 ug/l
RT: 4.688 min Scan# 1119
Delta R.T. 0.026 min
Lab File: VU053017.D
Acq: 09 Feb 2023 14:25

Tgt Ion: 96 Resp: 198
Ion Ratio Lower Upper
96 100
61 20.2 0.0 353.3
98 72.2 32.6 97.7

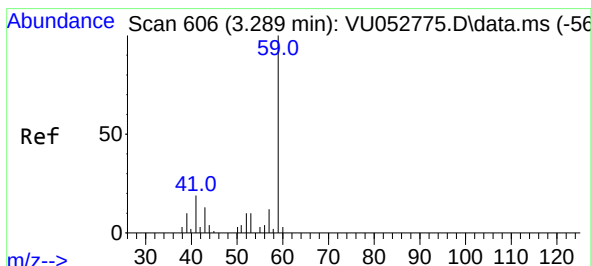
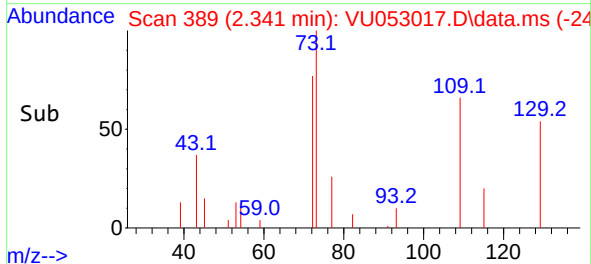
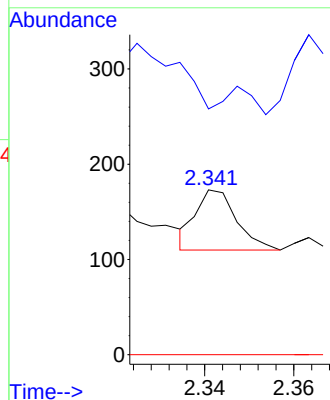
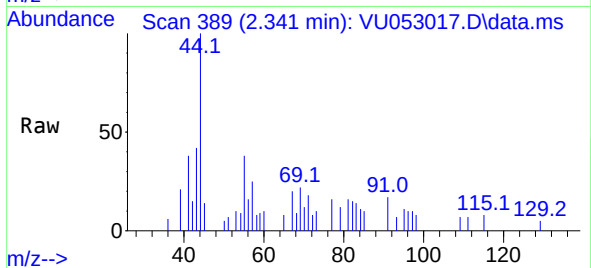




#23
Diethyl Ether
Concen: 0.007 ug/l
RT: 2.341 min Scan# 31
Delta R.T. -0.035 min
Lab File: VU053017.D
Acq: 09 Feb 2023 14:25

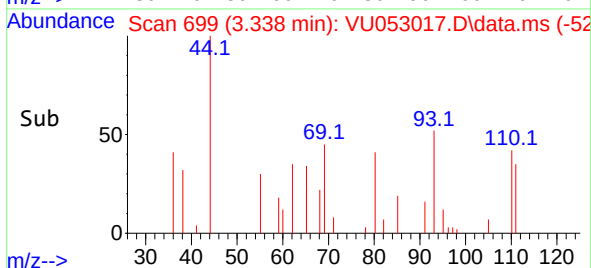
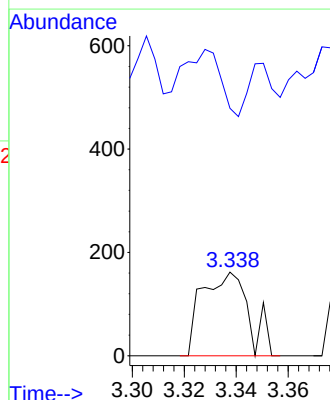
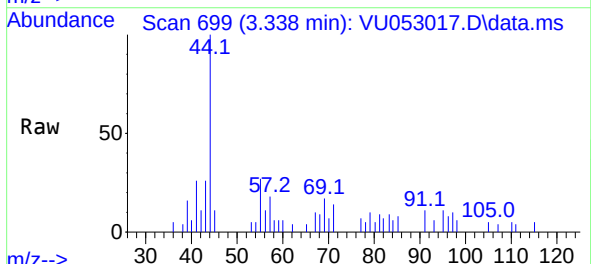
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L57-020723

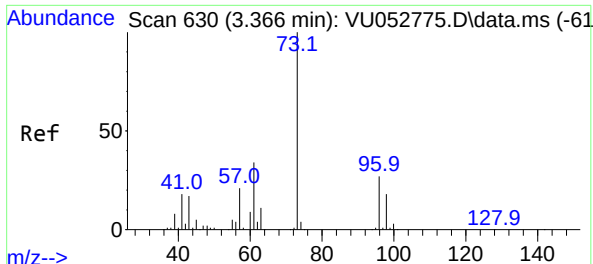
Tgt Ion: 59 Resp: 40
Ion Ratio Lower Upper
59 100
45 455.0 52.1 78.1#
74 0.0 61.6 92.4#



#24
tert-Butyl Alcohol
Concen: 0.306 ug/l
RT: 3.338 min Scan# 699
Delta R.T. 0.049 min
Lab File: VU053017.D
Acq: 09 Feb 2023 14:25

Tgt Ion: 59 Resp: 201
Ion Ratio Lower Upper
59 100
57 62.2 45.8 68.8

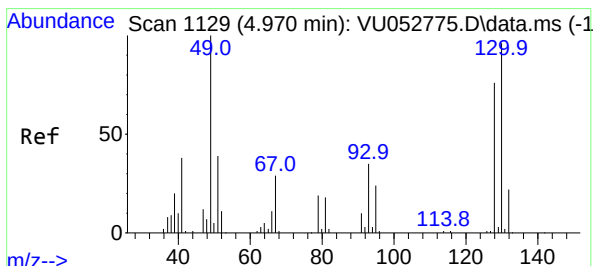
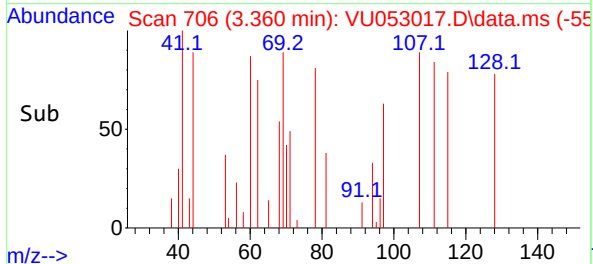
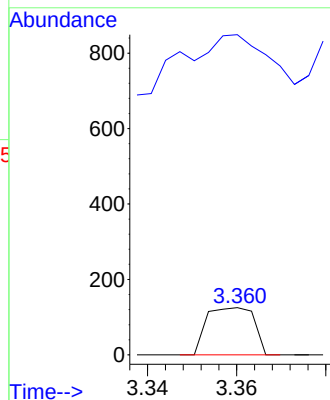
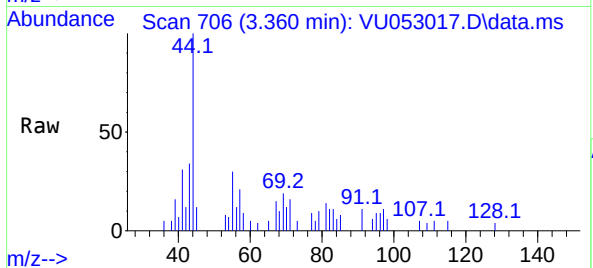




#25
Methyl tert-Butyl Ether
Concen: 0.005 ug/l
RT: 3.360 min Scan# 70
Delta R.T. -0.006 min
Lab File: VU053017.D
Acq: 09 Feb 2023 14:25

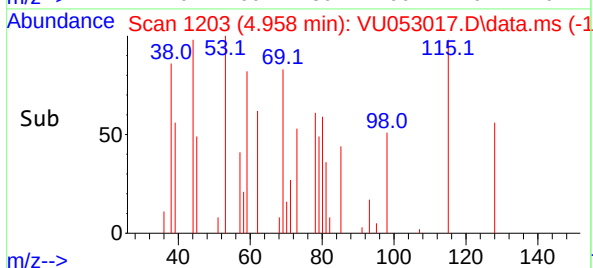
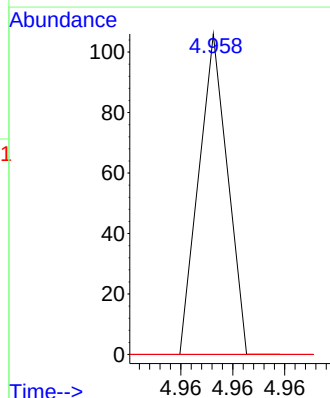
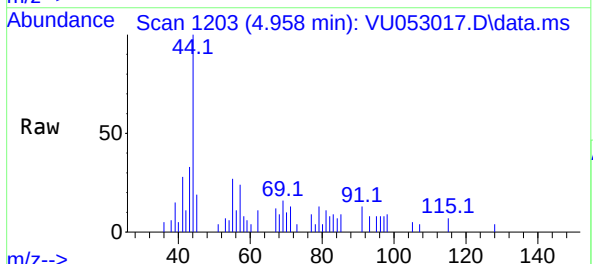
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L57-020723

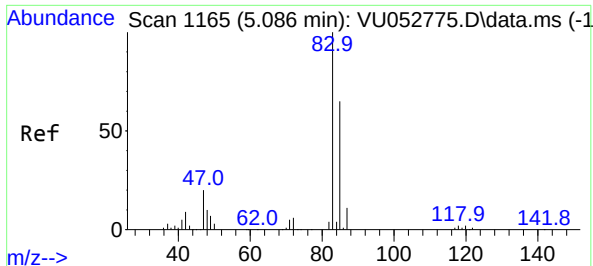
Tgt Ion: 73 Resp: 92
Ion Ratio Lower Upper
73 100
43 225.0 15.3 22.9#



#26
Bromochloromethane
Concen: 0.005 ug/l
RT: 4.958 min Scan# 1203
Delta R.T. -0.012 min
Lab File: VU053017.D
Acq: 09 Feb 2023 14:25

Tgt Ion: 128 Resp: 20
Ion Ratio Lower Upper
128 100
49 0.0 0.0 265.0
130 0.0 100.7 151.1#

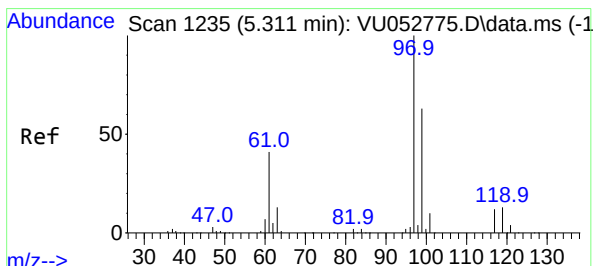
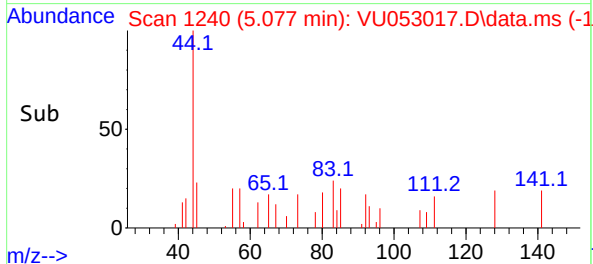
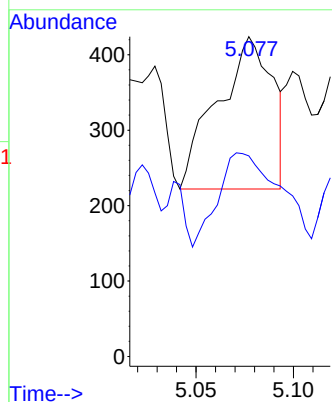
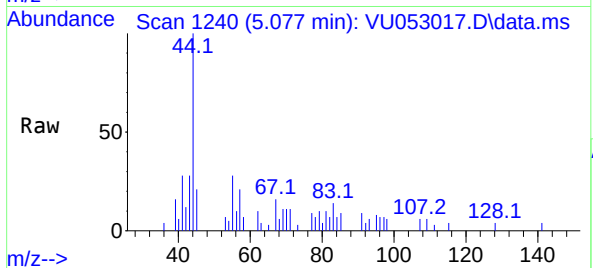




#27
Chloroform
Concen: 0.026 ug/l
RT: 5.077 min Scan# 1165
Delta R.T. -0.009 min
Lab File: VU053017.D
Acq: 09 Feb 2023 14:25

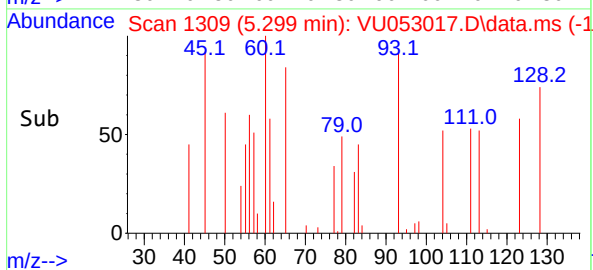
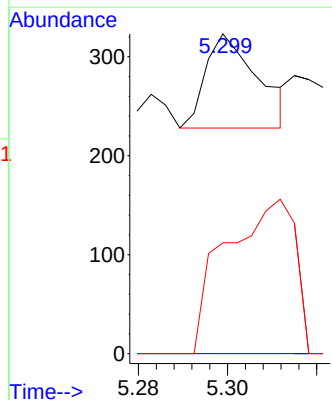
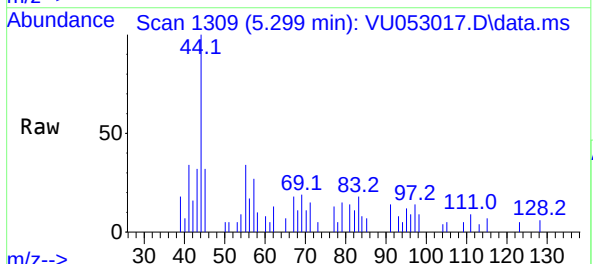
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L57-020723

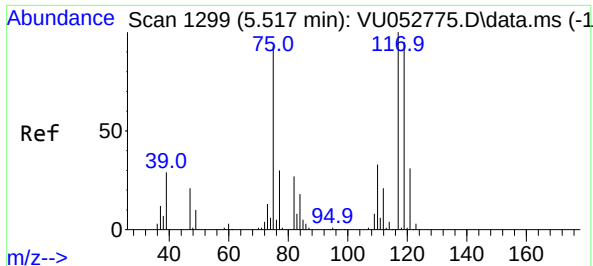
Tgt Ion: 83 Resp: 398
Ion Ratio Lower Upper
83 100
85 19.8 0.0 130.6



#28
1,1,1-Trichloroethane
Concen: 0.005 ug/l
RT: 5.299 min Scan# 1309
Delta R.T. -0.012 min
Lab File: VU053017.D
Acq: 09 Feb 2023 14:25

Tgt Ion: 97 Resp: 77
Ion Ratio Lower Upper
97 100
99 0.0 31.9 95.5#
61 219.5 20.8 62.2#

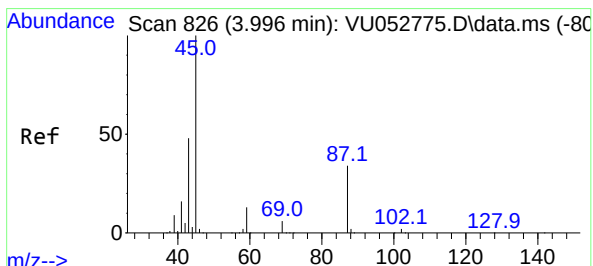
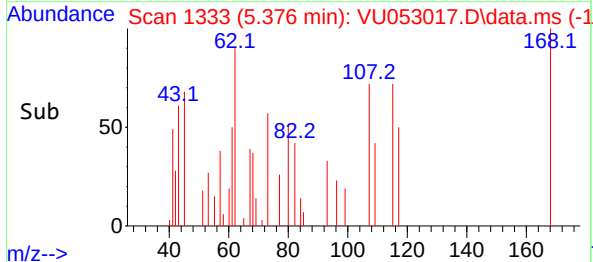
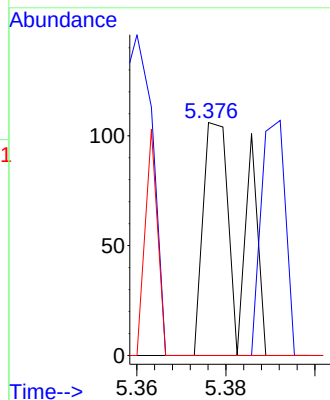
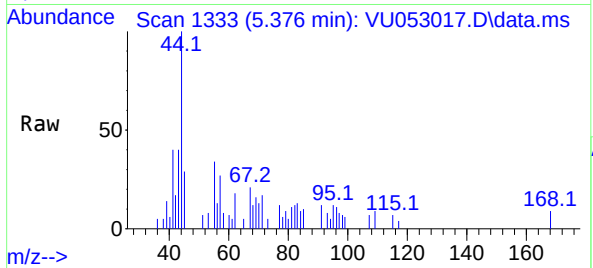




#30
Carbon Tetrachloride
Concen: 0.005 ug/l
RT: 5.376 min Scan# 11
Delta R.T. -0.141 min
Lab File: VU053017.D
Acq: 09 Feb 2023 14:25

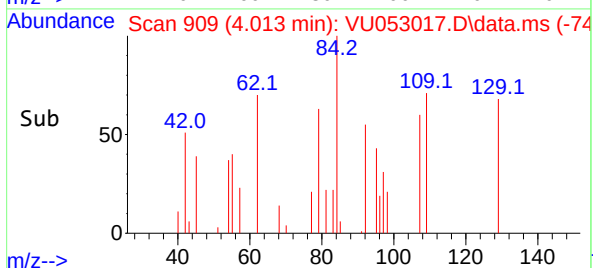
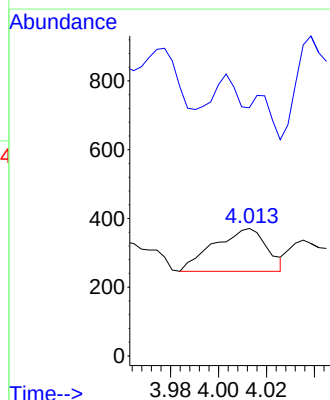
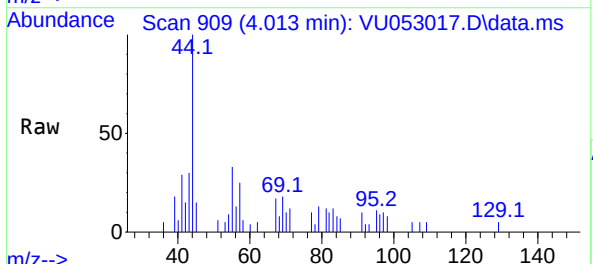
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L57-020723

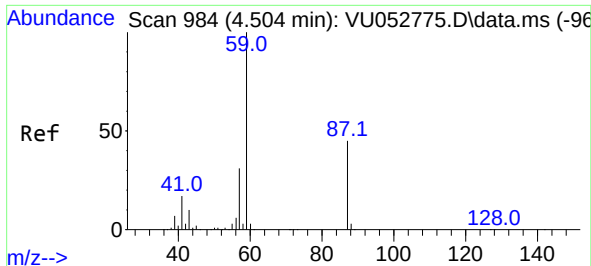
Tgt Ion:117 Resp: 60
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 25.0 37.6#



#31
Isopropyl Ether
Concen: 0.009 ug/l
RT: 4.013 min Scan# 909
Delta R.T. 0.017 min
Lab File: VU053017.D
Acq: 09 Feb 2023 14:25

Tgt Ion: 45 Resp: 192
Ion Ratio Lower Upper
45 100
43 28.6 24.5 73.5

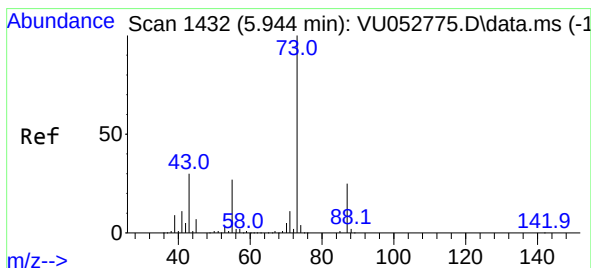
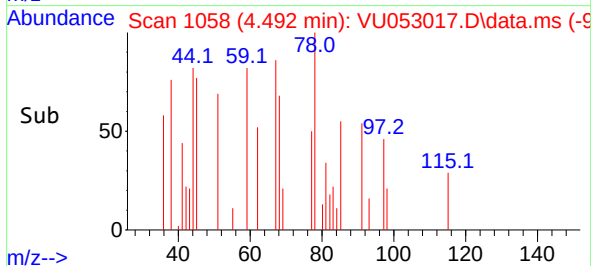
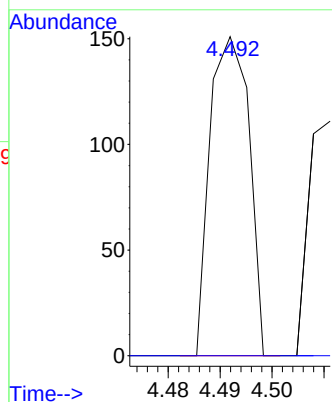
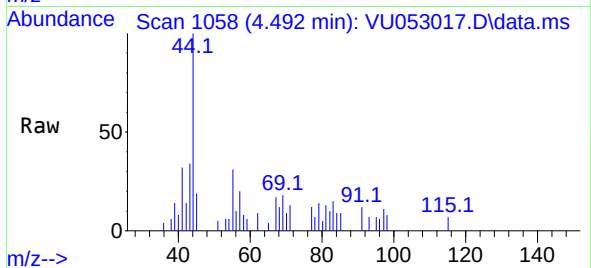




#32
Ethyl-t-butyl ether
Concen: 0.004 ug/l
RT: 4.492 min Scan# 1058
Delta R.T. -0.012 min
Lab File: VU053017.D
Acq: 09 Feb 2023 14:25

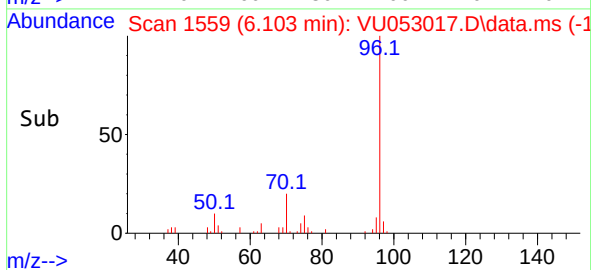
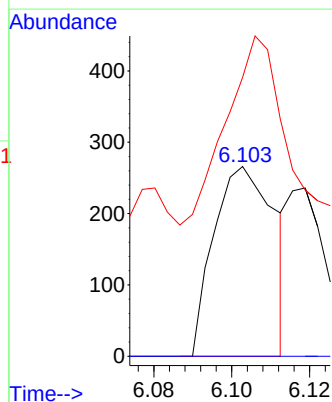
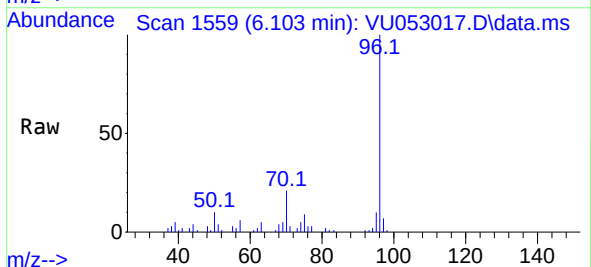
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L57-020723

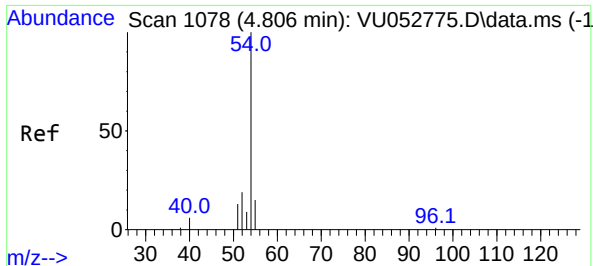
Tgt Ion: 59 Resp: 79
Ion Ratio Lower Upper
59 100
87 0.0 36.2 54.2#



#33
Tert-Amyl methyl ether
Concen: 0.017 ug/l
RT: 6.103 min Scan# 1559
Delta R.T. 0.158 min
Lab File: VU053017.D
Acq: 09 Feb 2023 14:25

Tgt Ion: 73 Resp: 286
Ion Ratio Lower Upper
73 100
87 0.0 20.1 30.1#
71 136.0 9.2 13.8#



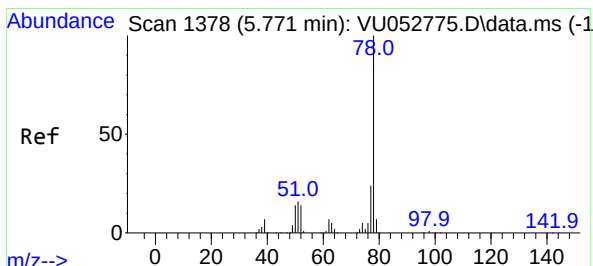
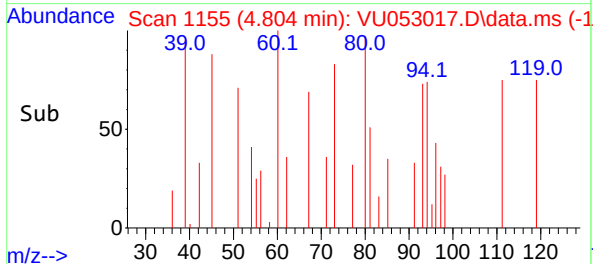
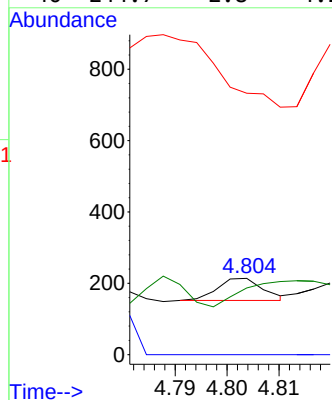
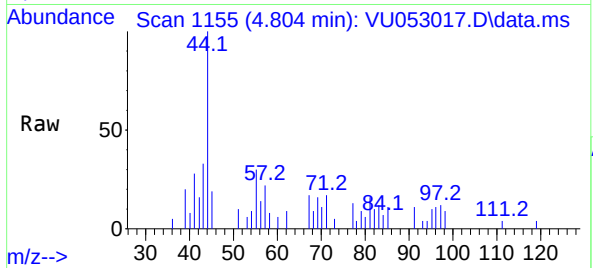


#34
 Propionitrile
 Concen: 0.061 ug/l
 RT: 4.804 min Scan# 1155
 Delta R.T. -0.002 min
 Lab File: VU053017.D
 Acq: 09 Feb 2023 14:25

Instrument :
 MSVOA_U
 ClientSampleId :
 PW-B6-L57-020723

Tgt Ion: 54 Resp: 38

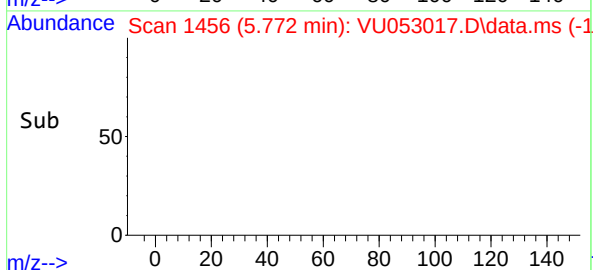
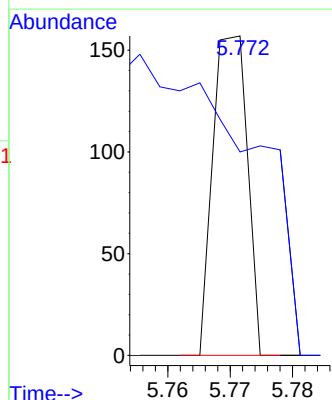
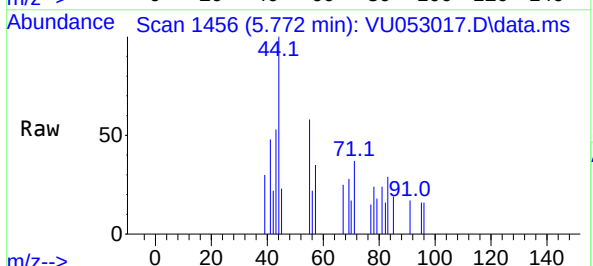
Ion	Ratio	Lower	Upper
54	100		
52	0.0	16.9	25.3#
55	355.3	118.6	178.0#
40	244.7	2.8	4.2#

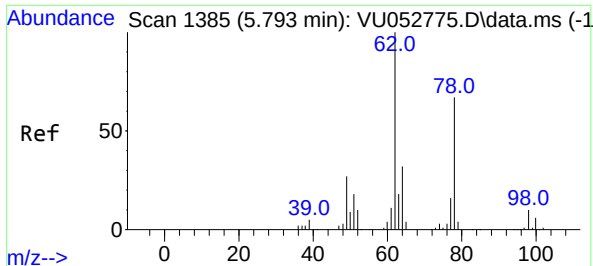


#35
 Benzene
 Concen: 0.002 ug/l
 RT: 5.772 min Scan# 1456
 Delta R.T. 0.001 min
 Lab File: VU053017.D
 Acq: 09 Feb 2023 14:25

Tgt Ion: 78 Resp: 60

Ion	Ratio	Lower	Upper
78	100		
77	0.0	19.0	28.4#

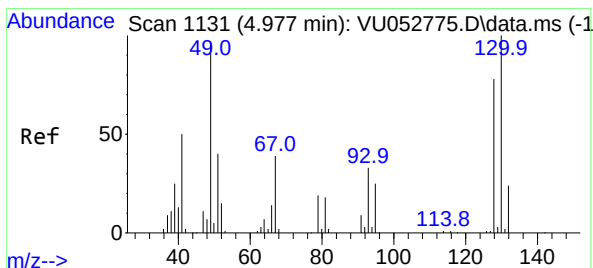
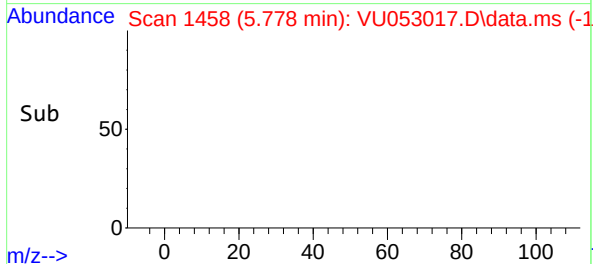
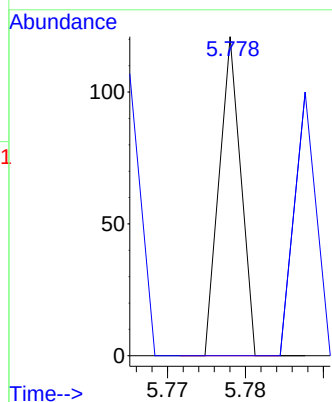
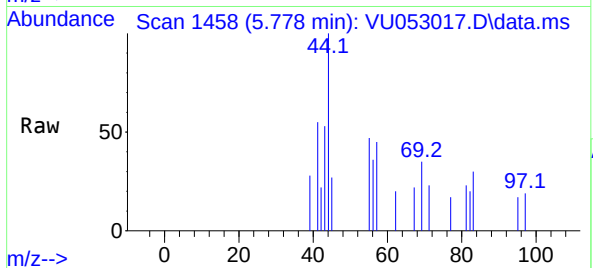




#36
1,2-Dichloroethane
Concen: 0.002 ug/l
RT: 5.778 min Scan# 14
Delta R.T. -0.015 min
Lab File: VU053017.D
Acq: 09 Feb 2023 14:25

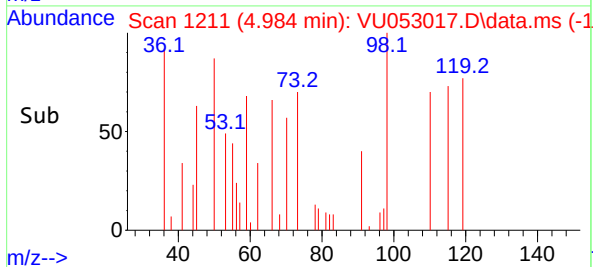
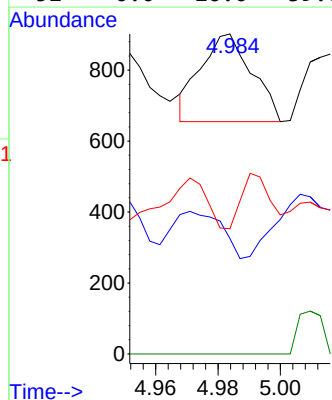
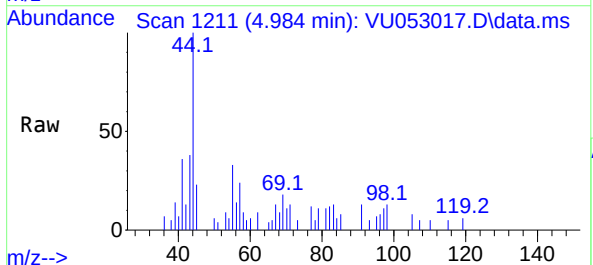
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L57-020723

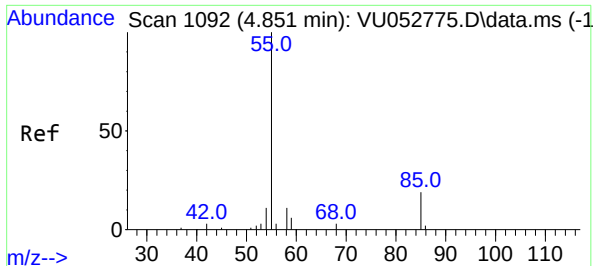
Tgt Ion: 62 Resp: 23
Ion Ratio Lower Upper
62 100
98 82.6 7.5 11.3#



#39
Methacrylonitrile
Concen: 0.114 ug/l
RT: 4.984 min Scan# 1211
Delta R.T. 0.007 min
Lab File: VU053017.D
Acq: 09 Feb 2023 14:25

Tgt Ion: 41 Resp: 282
Ion Ratio Lower Upper
41 100
67 0.0 64.9 97.3#
39 34.4 41.7 62.5#
52 0.0 26.0 39.0#

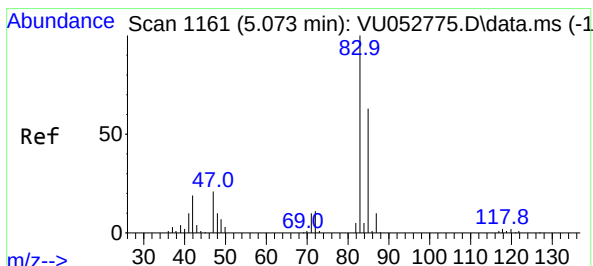
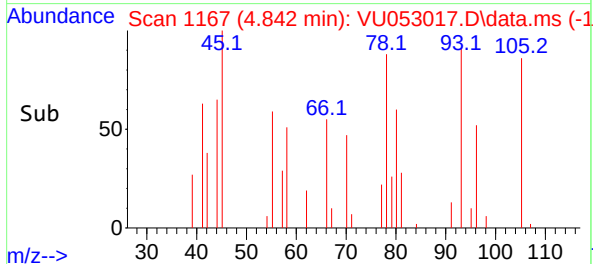
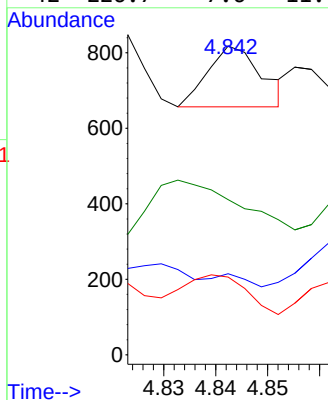
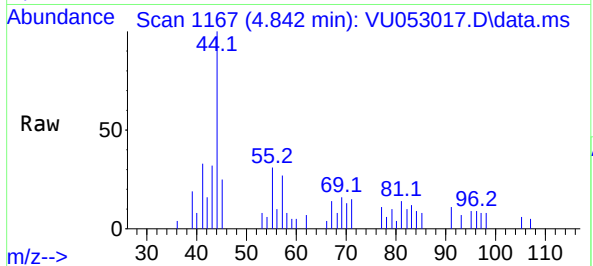




#40
Methyl acrylate
Concen: 0.027 ug/l
RT: 4.842 min Scan# 1167
Delta R.T. -0.009 min
Lab File: VU053017.D
Acq: 09 Feb 2023 14:25

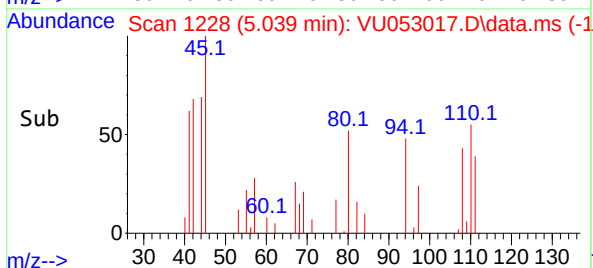
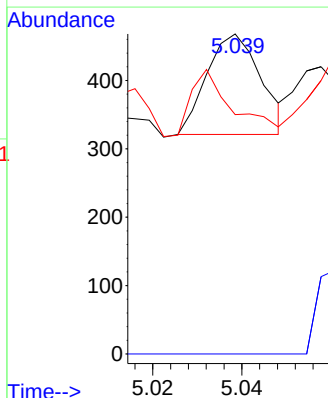
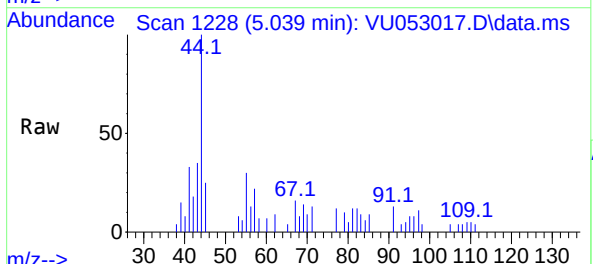
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L57-020723

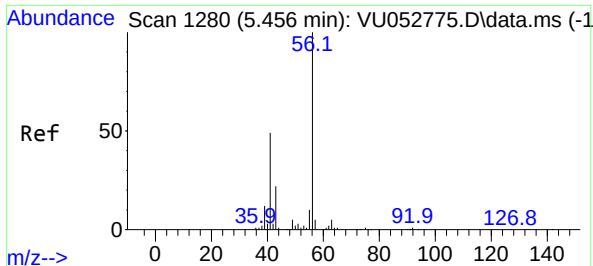
Tgt Ion:	55	Resp:	116
Ion	Ratio	Lower	Upper
55	100		
85	63.8	14.4	21.6#
58	75.9	7.3	10.9#
42	226.7	7.6	11.4#



#41
Tetrahydrofuran
Concen: 0.101 ug/l
RT: 5.039 min Scan# 1228
Delta R.T. -0.035 min
Lab File: VU053017.D
Acq: 09 Feb 2023 14:25

Tgt Ion:	42	Resp:	124
Ion	Ratio	Lower	Upper
42	100		
72	0.0	49.1	73.7#
71	62.1	43.8	65.6





#42

1-Chlorobutane

Concen: 0.011 ug/l

RT: 5.646 min Scan# 1417

Delta R.T. 0.190 min

Lab File: VU053017.D

Acq: 09 Feb 2023 14:25

Instrument :

MSVOA_U

ClientSampleId :

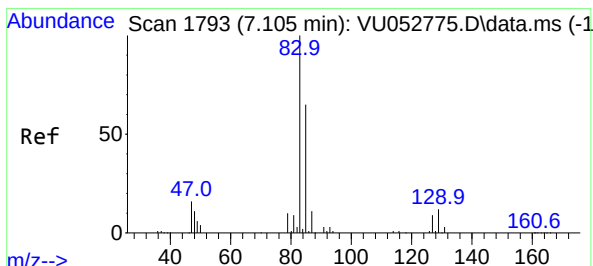
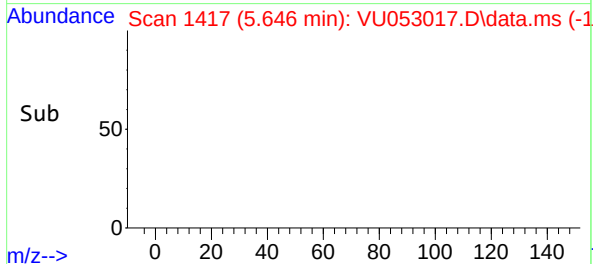
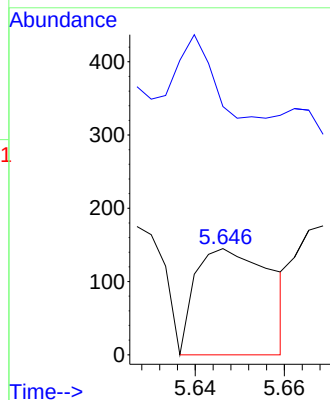
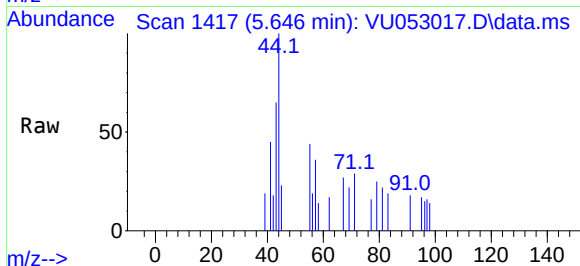
PW-B6-L57-020723

Tgt Ion: 56 Resp: 170

Ion Ratio Lower Upper

56 100

41 35.9 24.5 73.5



#44

Bromodichloromethane

Concen: 0.005 ug/l

RT: 7.116 min Scan# 1874

Delta R.T. 0.010 min

Lab File: VU053017.D

Acq: 09 Feb 2023 14:25

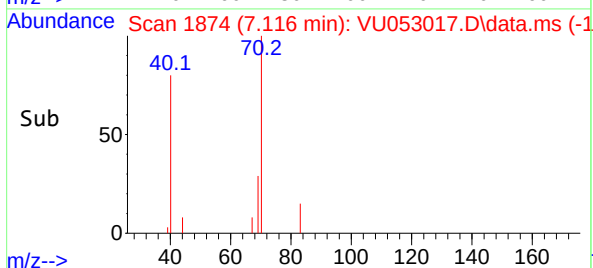
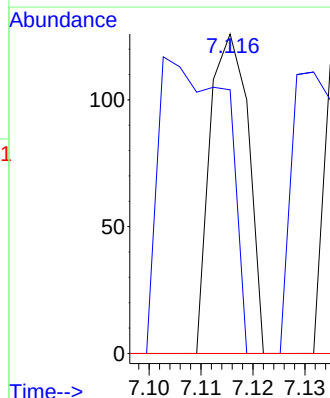
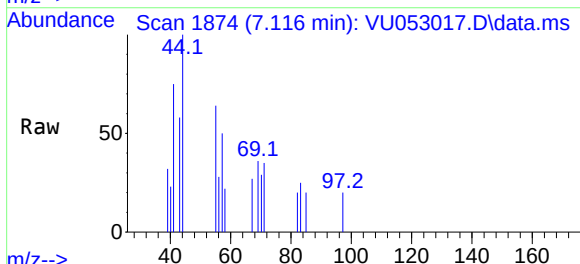
Tgt Ion: 83 Resp: 64

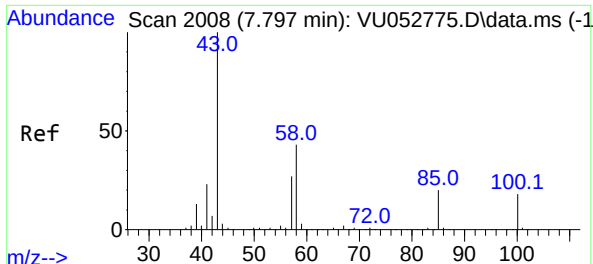
Ion Ratio Lower Upper

83 100

85 82.5 52.1 78.1#

127 0.0 7.2 10.8#





#45

4-Methyl-2-Pentanone

Concen: 0.049 ug/l

RT: 7.800 min Scan# 2008

Delta R.T. 0.004 min

Lab File: VU053017.D

Acq: 09 Feb 2023 14:25

Instrument :

MSVOA_U

ClientSampleId :

PW-B6-L57-020723

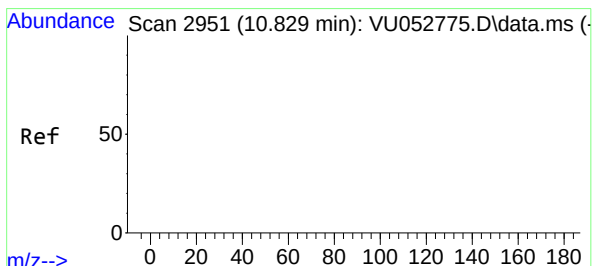
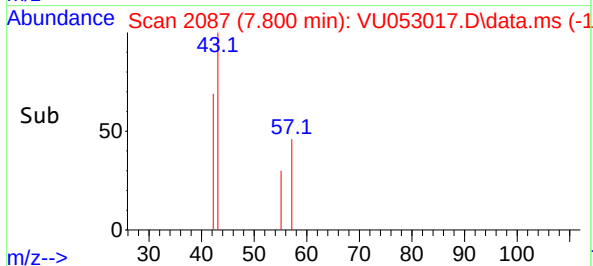
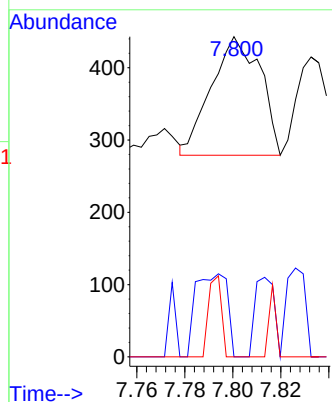
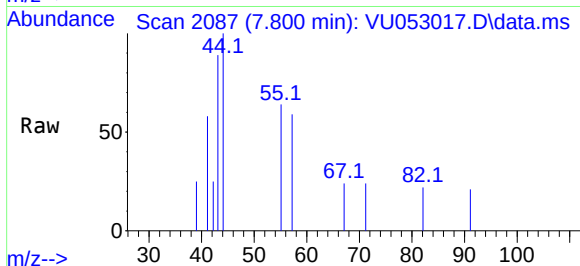
Tgt Ion: 43 Resp: 232

Ion Ratio Lower Upper

43 100

58 44.8 21.7 65.1

85 17.7 16.2 24.4



#46

t-1,4-Dichloro-2-butene

Concen: 2.405 ug/l

RT: 10.630 min Scan# 2967

Delta R.T. -0.199 min

Lab File: VU053017.D

Acq: 09 Feb 2023 14:25

Tgt Ion: 75 Resp: 5980

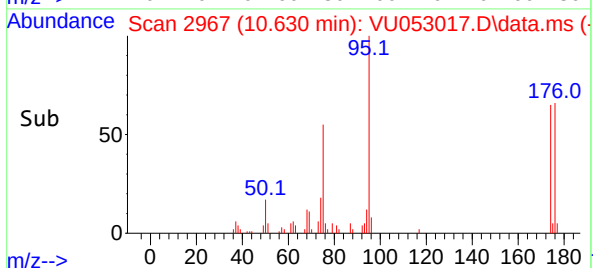
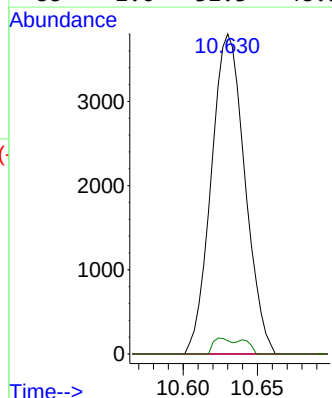
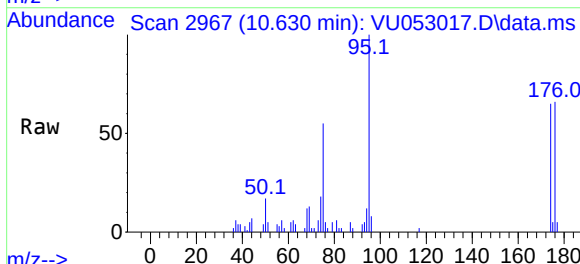
Ion Ratio Lower Upper

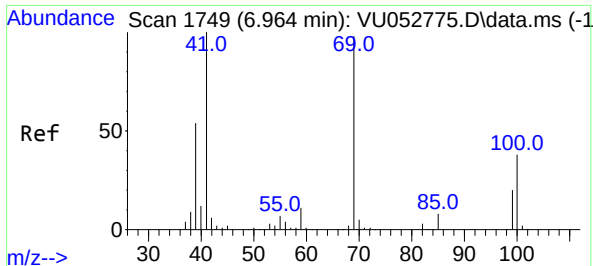
75 100

53 0.3 57.0 85.4#

89 0.0 41.1 61.7#

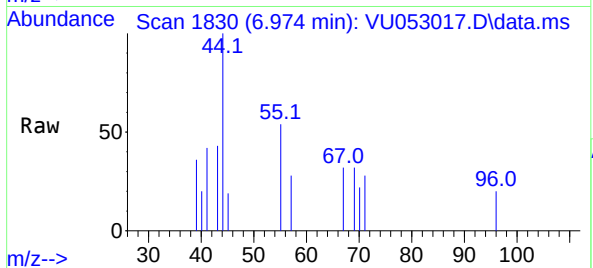
88 2.6 32.3 48.5#



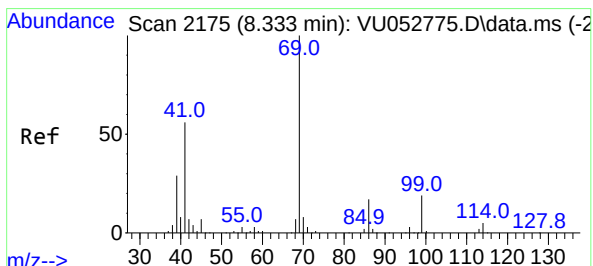
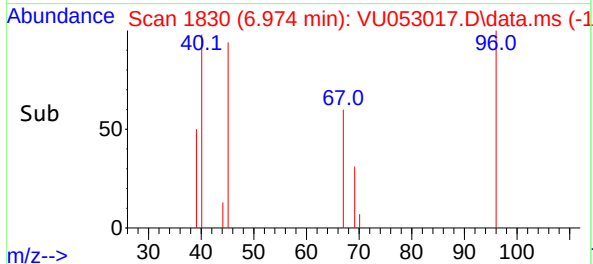
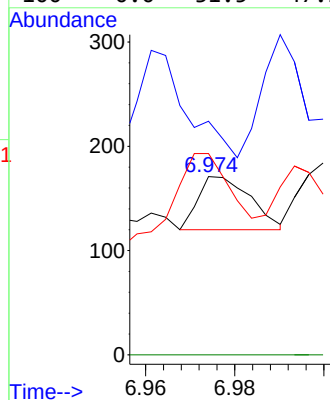


#47
Methyl methacrylate
Concen: 0.010 ug/l
RT: 6.974 min Scan# 11
Delta R.T. 0.010 min
Lab File: VU053017.D
Acq: 09 Feb 2023 14:25

Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L57-020723

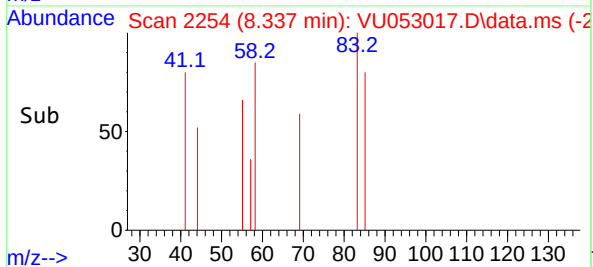
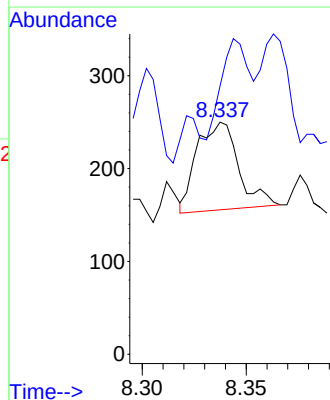
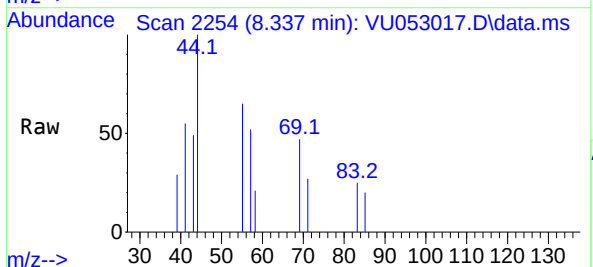


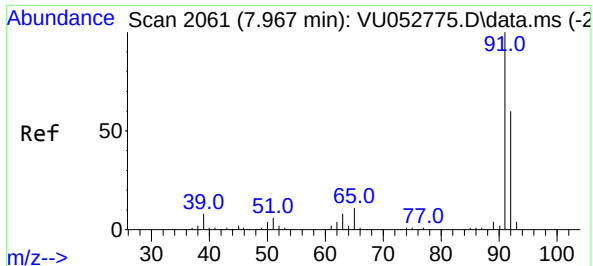
Tgt Ion: 69 Resp: 41
Ion Ratio Lower Upper
69 100
41 182.9 0.0 201.8
39 690.2 44.0 66.0#
100 0.0 31.5 47.3#



#48
Ethyl methacrylate
Concen: 0.018 ug/l
RT: 8.337 min Scan# 2254
Delta R.T. 0.004 min
Lab File: VU053017.D
Acq: 09 Feb 2023 14:25

Tgt Ion: 69 Resp: 131
Ion Ratio Lower Upper
69 100
41 77.9 28.1 84.4

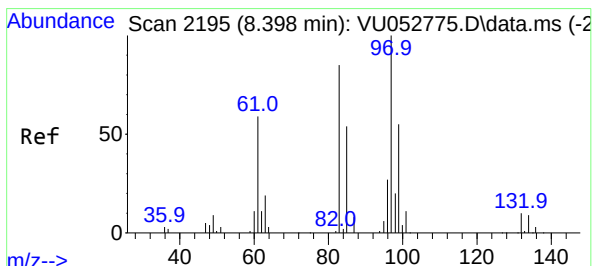
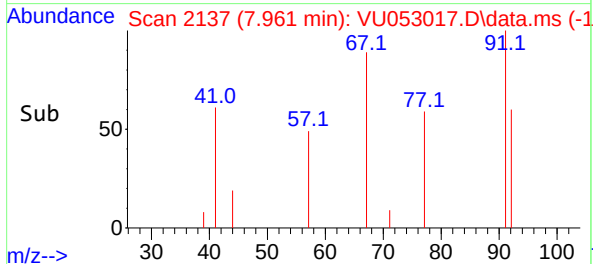
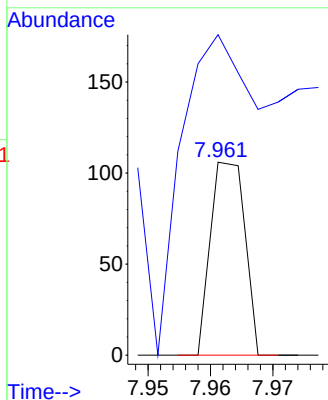
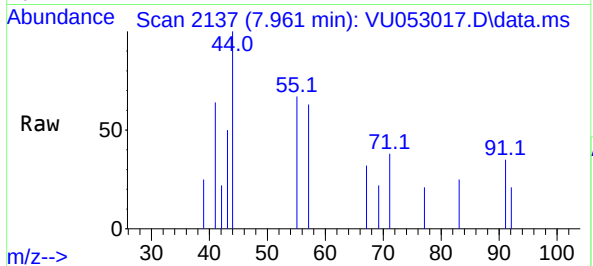




#49
Toluene
Concen: 0.002 ug/l
RT: 7.961 min Scan# 2137
Delta R.T. -0.006 min
Lab File: VU053017.D
Acq: 09 Feb 2023 14:25

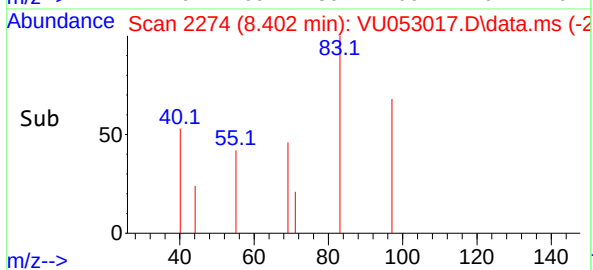
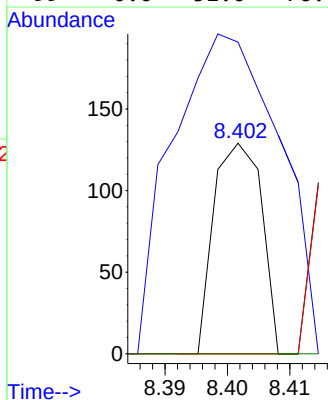
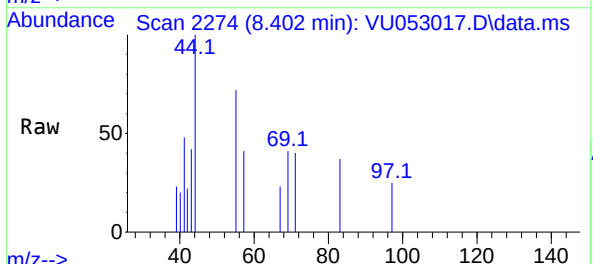
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L57-020723

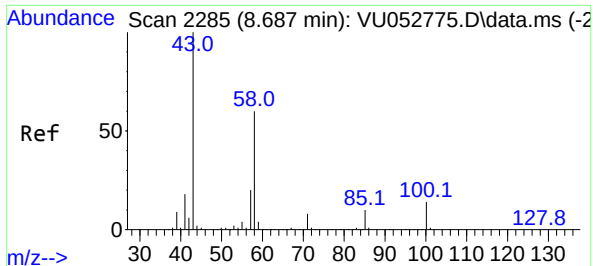
Tgt Ion: 92 Resp: 40
Ion Ratio Lower Upper
92 100
91 355.0 133.8 200.8#



#52
1,1,2-Trichloroethane
Concen: 0.011 ug/l
RT: 8.402 min Scan# 2274
Delta R.T. 0.004 min
Lab File: VU053017.D
Acq: 09 Feb 2023 14:25

Tgt Ion: 97 Resp: 68
Ion Ratio Lower Upper
97 100
83 44.2 68.2 102.2#
85 0.0 44.5 66.7#
99 0.0 51.0 76.4#

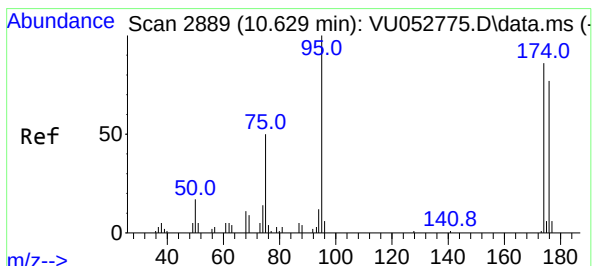
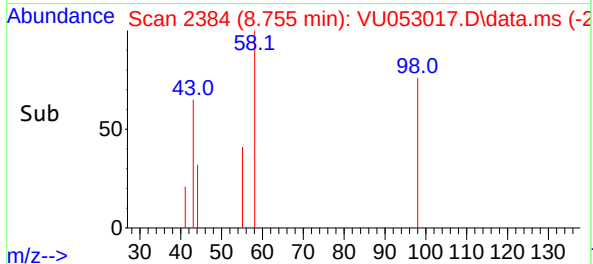
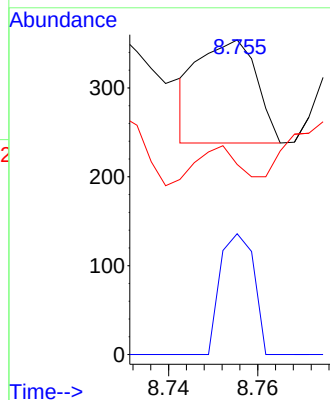
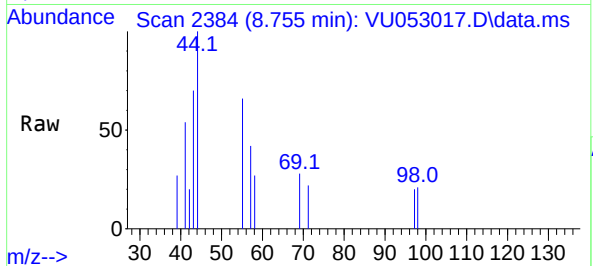




#54
2-Hexanone
Concen: 0.026 ug/l
RT: 8.755 min Scan# 21
Delta R.T. 0.068 min
Lab File: VU053017.D
Acq: 09 Feb 2023 14:25

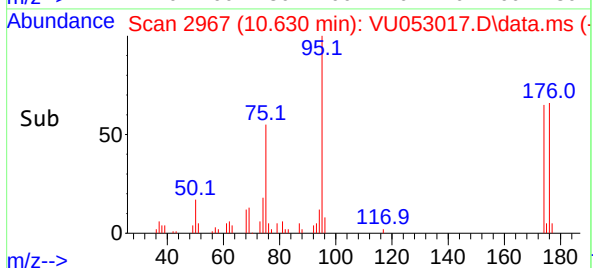
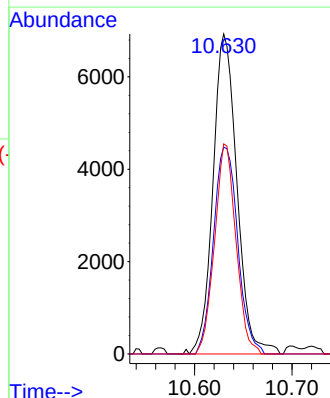
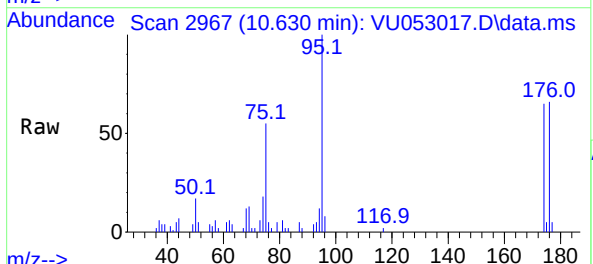
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L57-020723

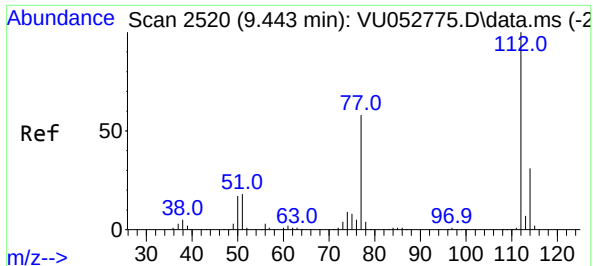
Tgt Ion: 43	Resp: 106
Ion Ratio	Lower Upper
43 100	
58 67.0	40.0 80.0
57 39.6	0.6 40.6



#57
4-Bromofluorobenzene
Concen: 1.075 ug/l
RT: 10.630 min Scan# 2967
Delta R.T. 0.001 min
Lab File: VU053017.D
Acq: 09 Feb 2023 14:25

Tgt Ion: 95	Resp: 11842
Ion Ratio	Lower Upper
95 100	
174 65.5	66.9 100.3#
176 58.6	61.9 92.9#





#59

Chlorobenzene

Concen: 0.005 ug/l

RT: 9.447 min Scan# 21

Delta R.T. 0.004 min

Lab File: VU053017.D

Acq: 09 Feb 2023 14:25

Instrument :

MSVOA_U

ClientSampleId :

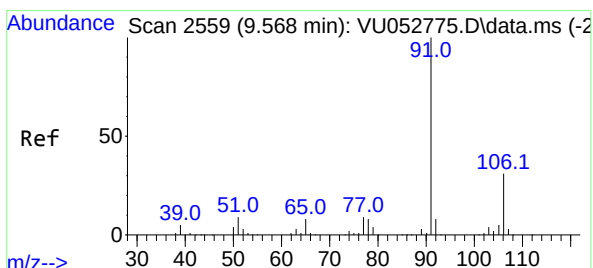
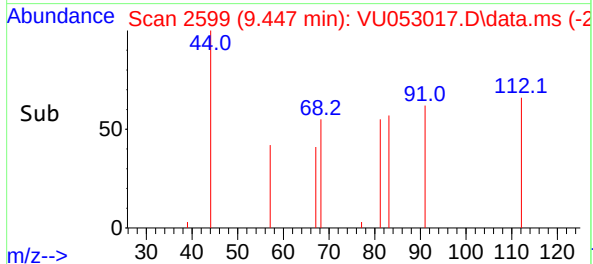
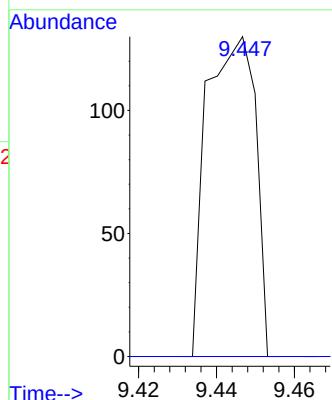
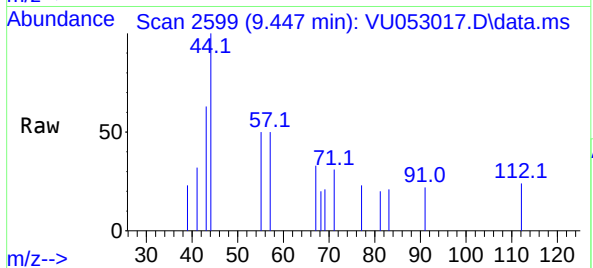
PW-B6-L57-020723

Tgt Ion:112 Resp: 113

Ion Ratio Lower Upper

112 100

114 0.0 25.2 37.8#



#63

Ethyl Benzene

Concen: 0.011 ug/l

RT: 9.566 min Scan# 2636

Delta R.T. -0.002 min

Lab File: VU053017.D

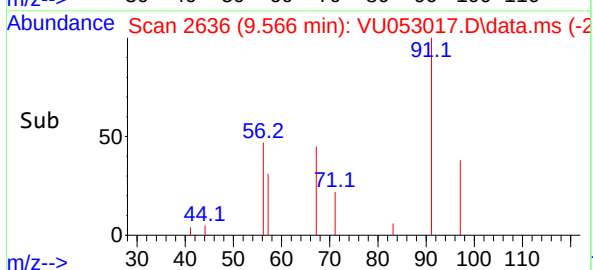
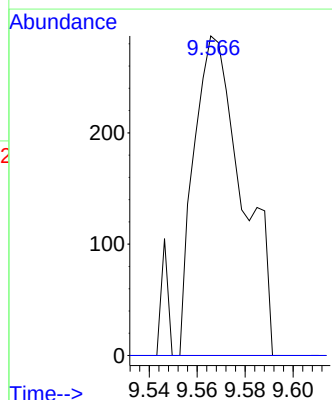
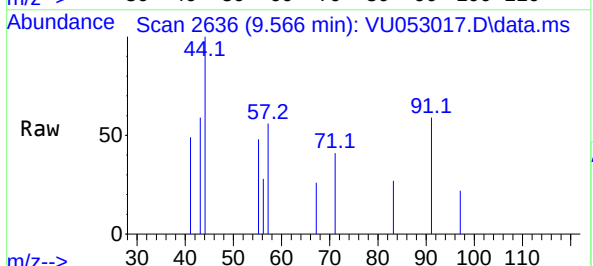
Acq: 09 Feb 2023 14:25

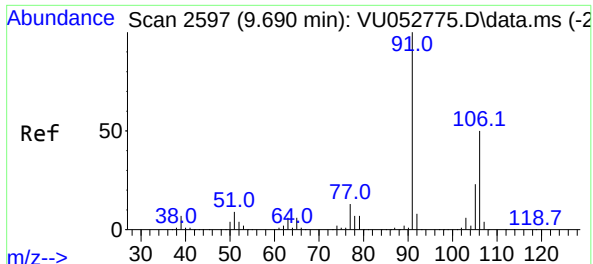
Tgt Ion: 91 Resp: 402

Ion Ratio Lower Upper

91 100

106 0.0 25.1 37.7#

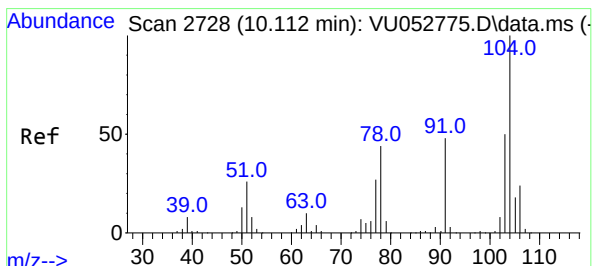
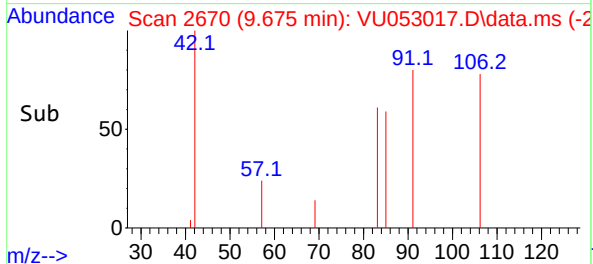
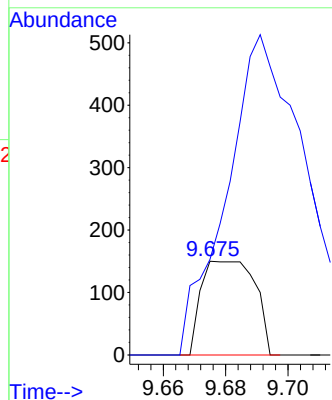
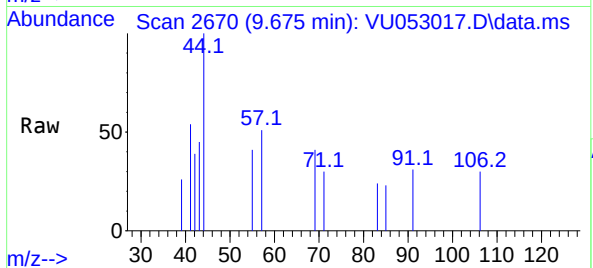




#64
m/p-Xylenes
Concen: 0.012 ug/l
RT: 9.675 min Scan# 210
Delta R.T. -0.015 min
Lab File: VU053017.D
Acq: 09 Feb 2023 14:25

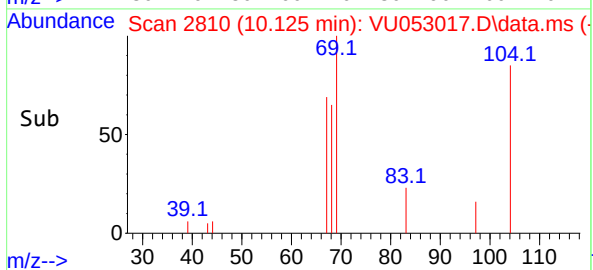
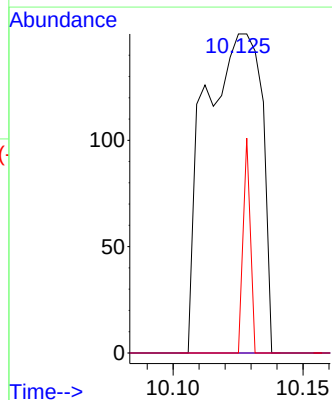
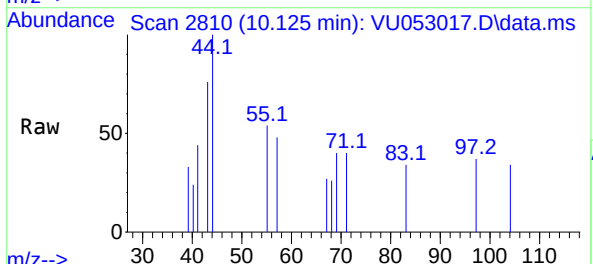
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L57-020723

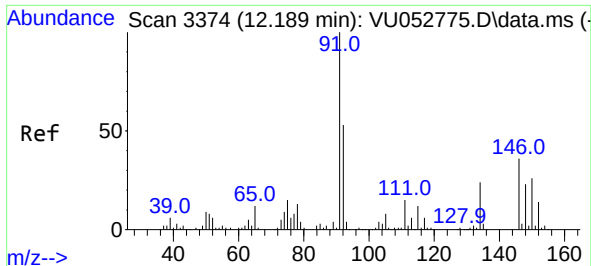
Tgt Ion:106 Resp: 179
Ion Ratio Lower Upper
106 100
91 485.5 158.7 238.1#



#66
Styrene
Concen: 0.428 ug/l
RT: 10.125 min Scan# 2810
Delta R.T. 0.013 min
Lab File: VU053017.D
Acq: 09 Feb 2023 14:25

Tgt Ion:104 Resp: 227
Ion Ratio Lower Upper
104 100
78 0.0 39.6 59.4#
103 8.4 42.9 64.3#

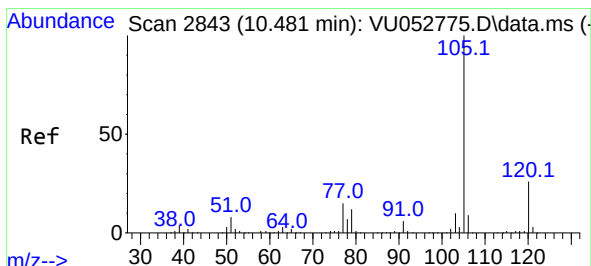
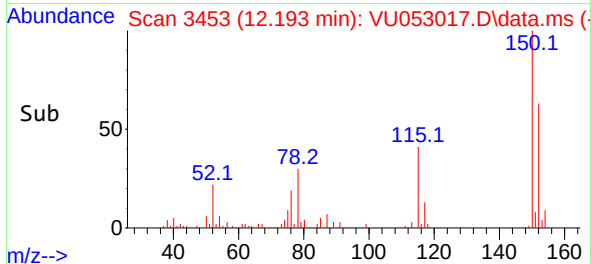
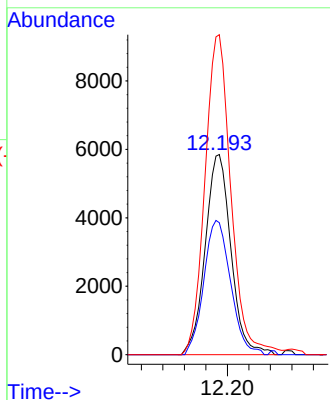
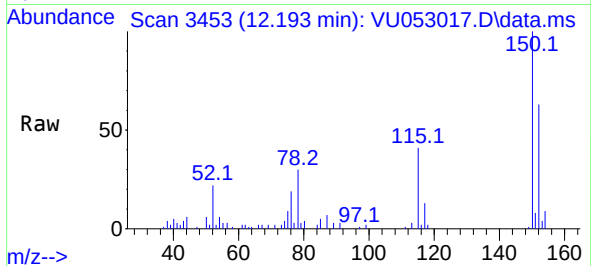




#68
1,2-Dichlorobenzene-d4
Concen: 0.860 ug/l
RT: 12.193 min Scan# 34
Delta R.T. 0.004 min
Lab File: VU053017.D
Acq: 09 Feb 2023 14:25

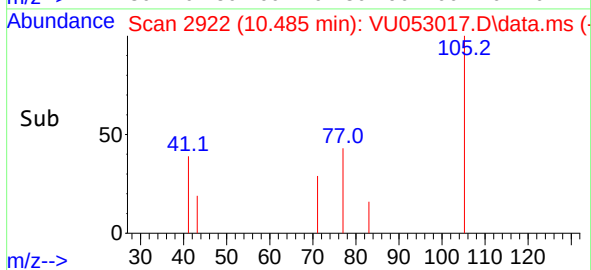
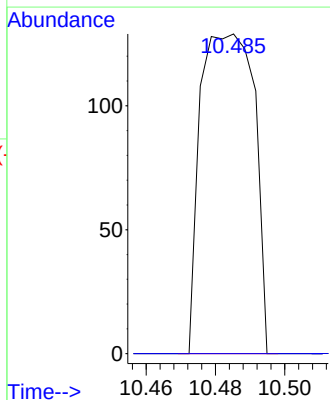
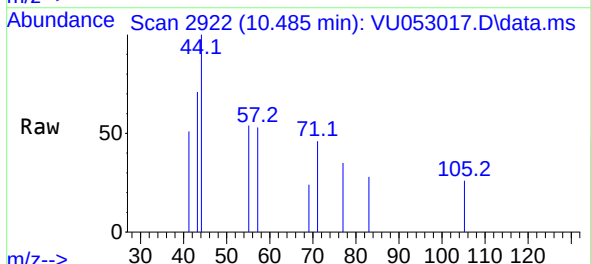
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L57-020723

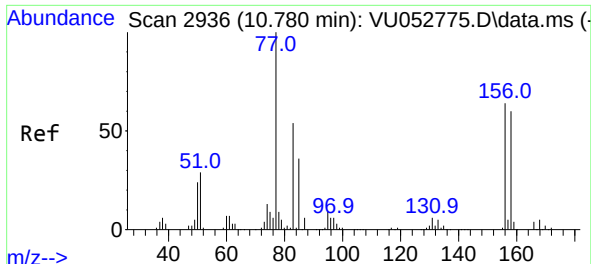
Tgt Ion:152 Resp: 9745
Ion Ratio Lower Upper
152 100
115 69.5 0.0 262.6
150 161.1 0.0 638.0



#69
Isopropylbenzene
Concen: 0.004 ug/l
RT: 10.485 min Scan# 2922
Delta R.T. 0.004 min
Lab File: VU053017.D
Acq: 09 Feb 2023 14:25

Tgt Ion:105 Resp: 139
Ion Ratio Lower Upper
105 100
120 0.0 13.3 39.9#

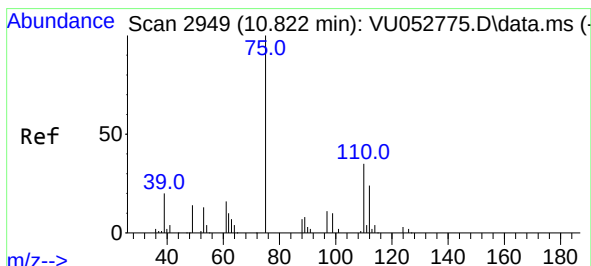
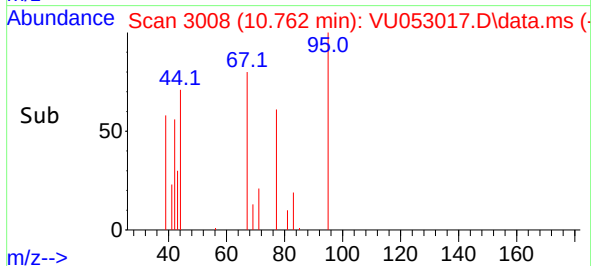
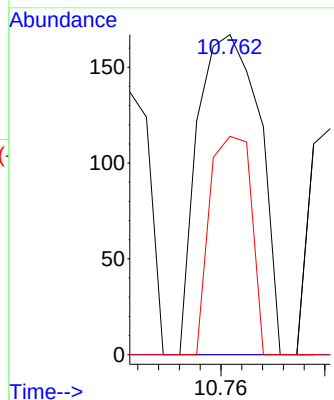
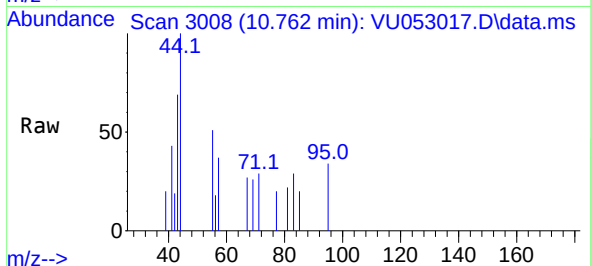




#70
1,1,2,2-Tetrachloroethane
Concen: 0.017 ug/l
RT: 10.762 min Scan# 30
Delta R.T. -0.019 min
Lab File: VU053017.D
Acq: 09 Feb 2023 14:25

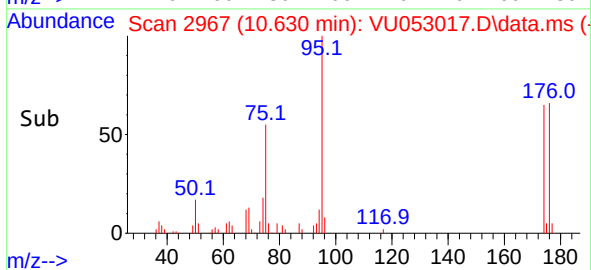
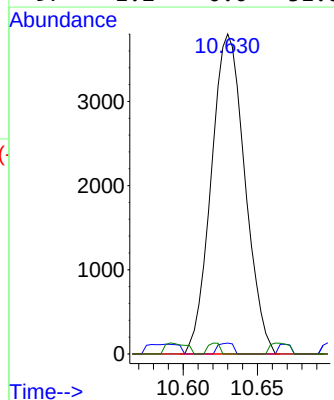
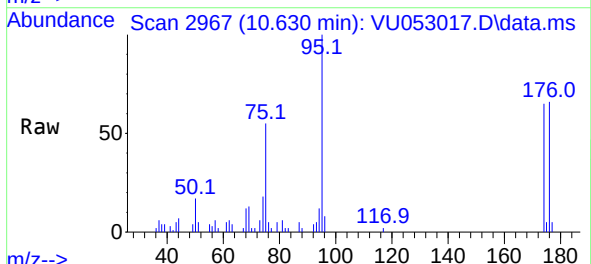
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L57-020723

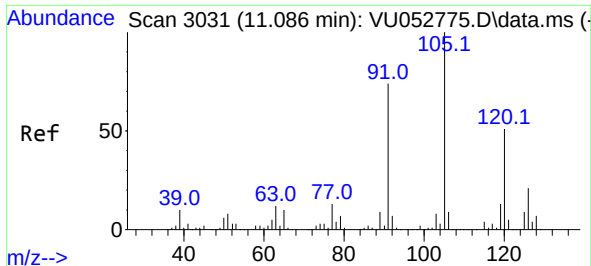
Tgt Ion: 83 Resp: 138
Ion Ratio Lower Upper
83 100
131 0.0 8.6 13.0#
85 45.7 52.6 78.8#



#71
1,2,3-Trichloropropane
Concen: 0.863 ug/l
RT: 10.630 min Scan# 2967
Delta R.T. -0.192 min
Lab File: VU053017.D
Acq: 09 Feb 2023 14:25

Tgt Ion: 75 Resp: 5980
Ion Ratio Lower Upper
75 100
77 1.6 0.0 86.0
110 0.0 0.0 63.8
97 1.2 0.0 31.8

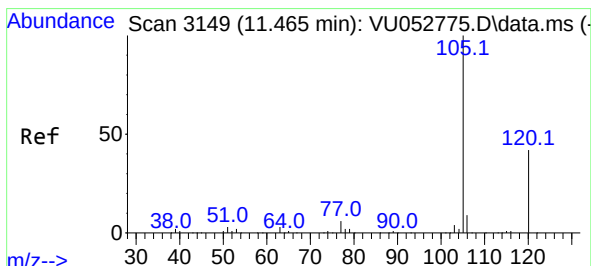
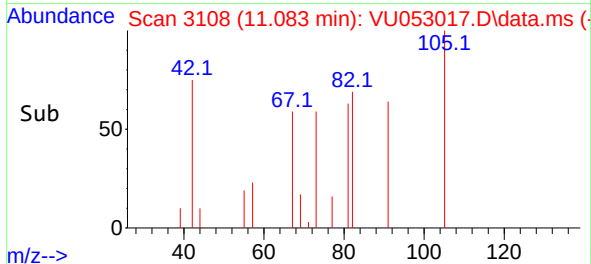
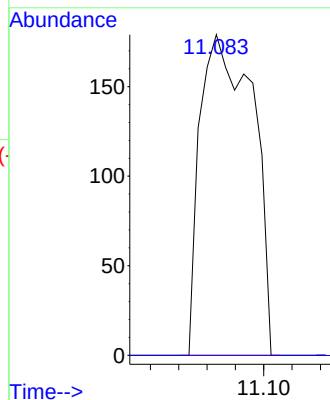
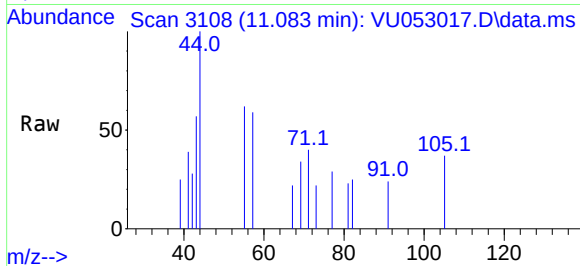




#75
1,3,5-Trimethylbenzene
Concen: 0.426 ug/l
RT: 11.083 min Scan# 3118
Delta R.T. -0.003 min
Lab File: VU053017.D
Acq: 09 Feb 2023 14:25

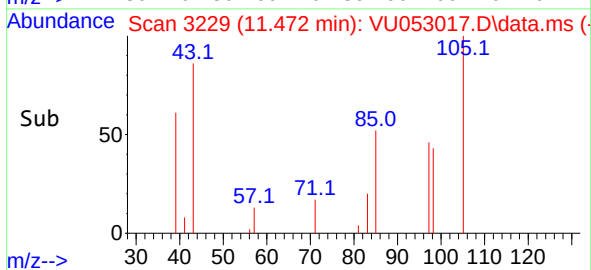
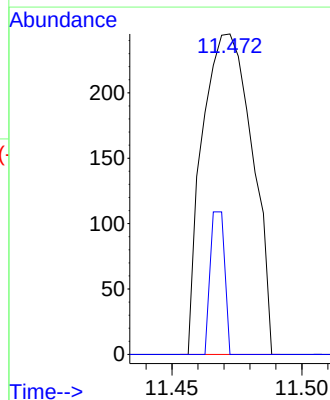
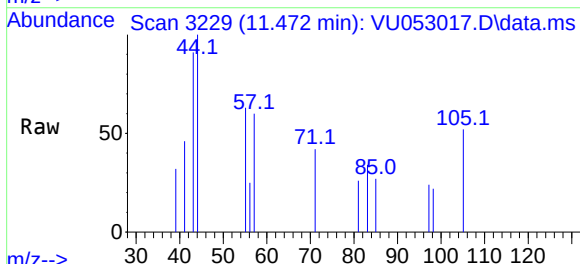
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L57-020723

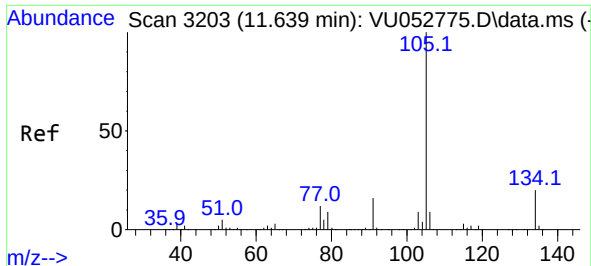
Tgt Ion:105 Resp: 231
Ion Ratio Lower Upper
105 100
120 0.0 39.9 59.9#



#78
1,2,4-Trimethylbenzene
Concen: 0.463 ug/l
RT: 11.472 min Scan# 3229
Delta R.T. 0.007 min
Lab File: VU053017.D
Acq: 09 Feb 2023 14:25

Tgt Ion:105 Resp: 327
Ion Ratio Lower Upper
105 100
120 12.8 23.4 70.3#

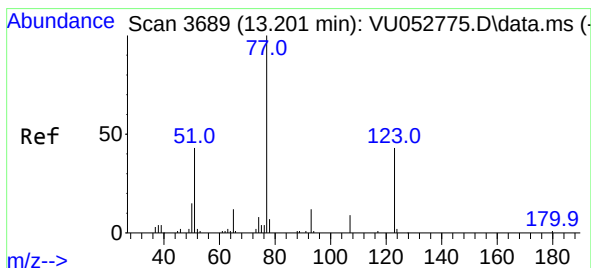
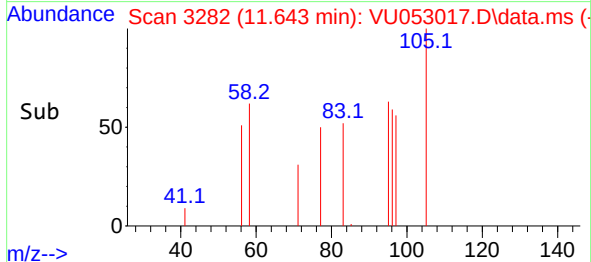
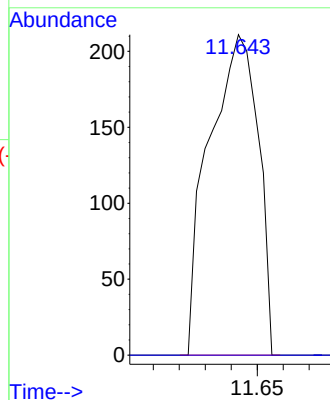
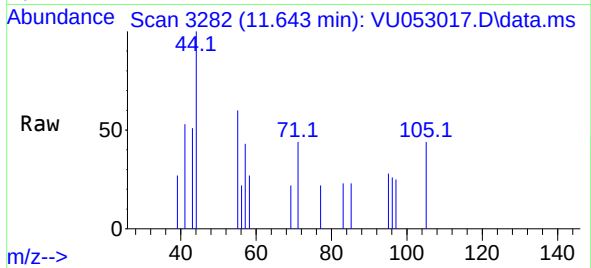




#79
 sec-Butylbenzene
 Concen: 0.434 ug/l
 RT: 11.643 min Scan# 31
 Delta R.T. 0.004 min
 Lab File: VU053017.D
 Acq: 09 Feb 2023 14:25

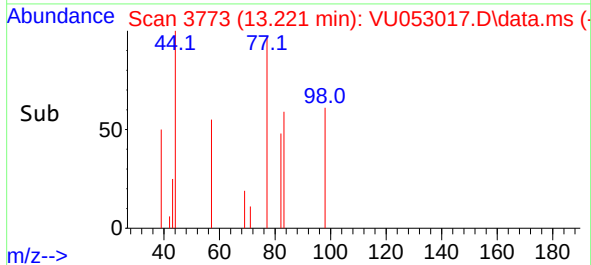
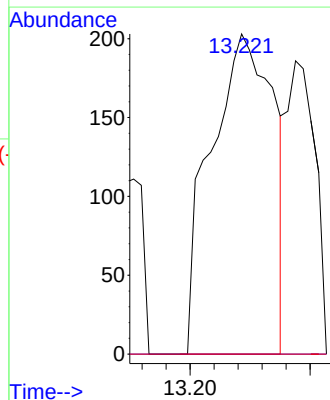
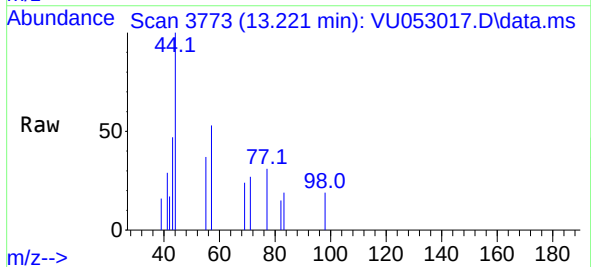
Instrument :
 MSVOA_U
 ClientSampleId :
 PW-B6-L57-020723

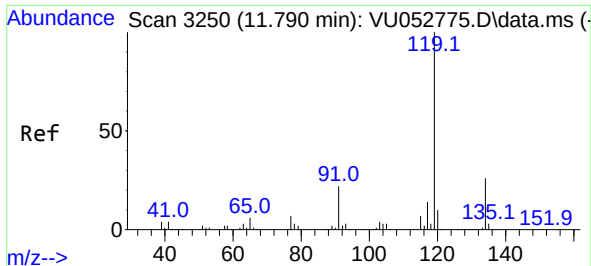
Tgt Ion:105 Resp: 277
 Ion Ratio Lower Upper
 105 100
 134 14.4 16.5 24.7#



#80
 Nitrobenzene
 Concen: 0.745 ug/l
 RT: 13.221 min Scan# 3773
 Delta R.T. 0.020 min
 Lab File: VU053017.D
 Acq: 09 Feb 2023 14:25

Tgt Ion: 77 Resp: 369
 Ion Ratio Lower Upper
 77 100
 123 0.0 18.8 66.8#
 65 0.0 10.1 12.9#

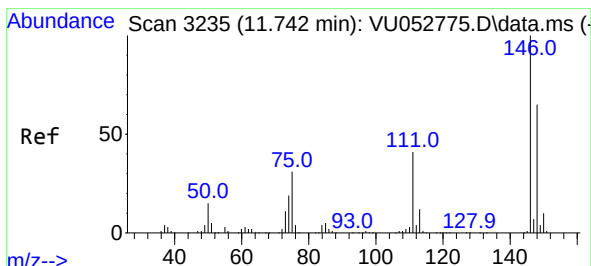
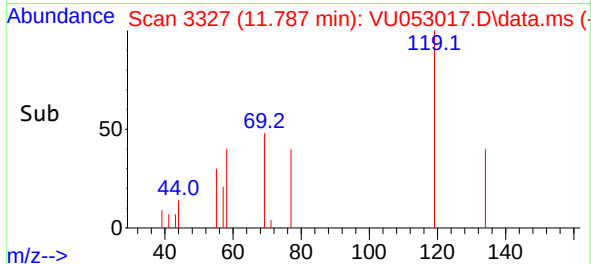
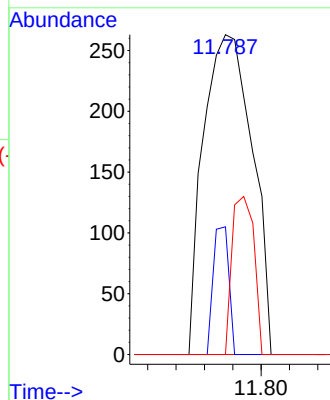
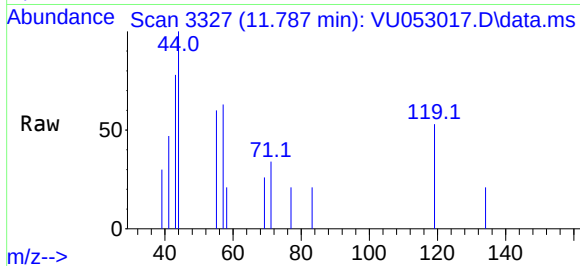




#81
p-Isopropyltoluene
Concen: 0.491 ug/l
RT: 11.787 min Scan# 311
Delta R.T. -0.003 min
Lab File: VU053017.D
Acq: 09 Feb 2023 14:25

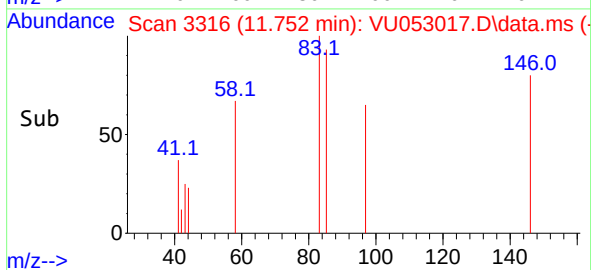
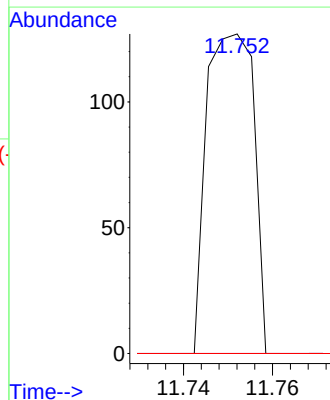
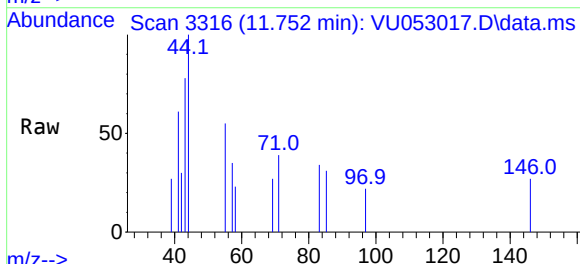
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L57-020723

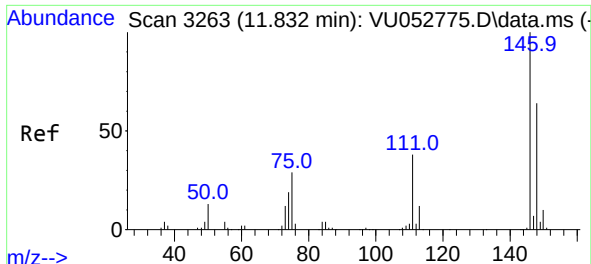
Tgt Ion:119 Resp: 314
Ion Ratio Lower Upper
119 100
134 12.7 20.7 31.1#
91 22.3 17.6 26.4



#82
1,3-Dichlorobenzene
Concen: 0.005 ug/l
RT: 11.752 min Scan# 3316
Delta R.T. 0.010 min
Lab File: VU053017.D
Acq: 09 Feb 2023 14:25

Tgt Ion:146 Resp: 93
Ion Ratio Lower Upper
146 100
111 0.0 32.6 48.8#
148 0.0 51.9 77.9#



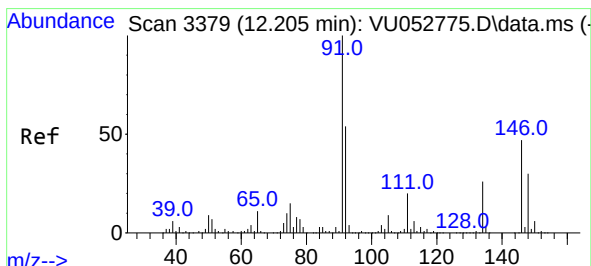
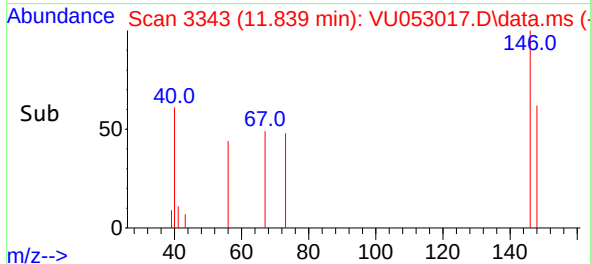
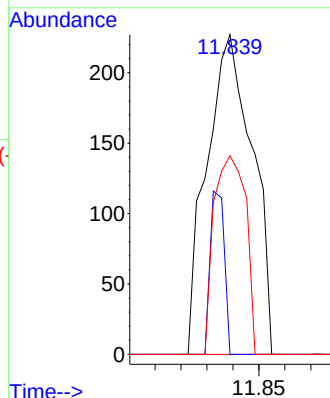
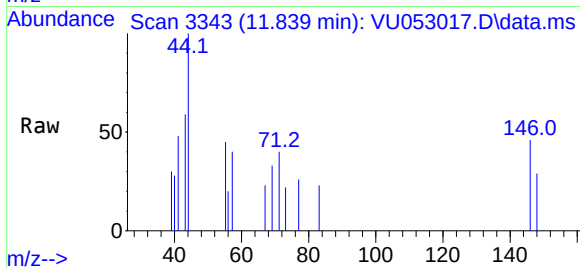


#83
1,4-Dichlorobenzene
Concen: 0.014 ug/l
RT: 11.839 min Scan# 3111
Delta R.T. 0.007 min
Lab File: VU053017.D
Acq: 09 Feb 2023 14:25

Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L57-020723

Tgt Ion:146 Resp: 277

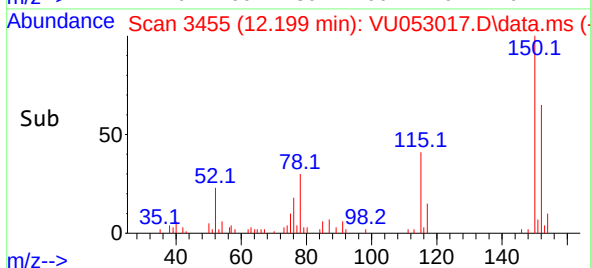
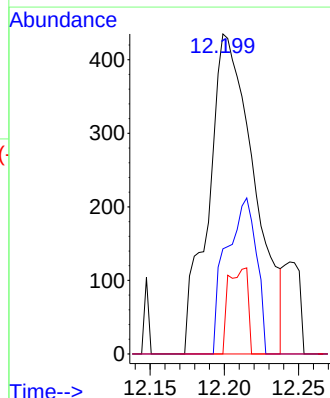
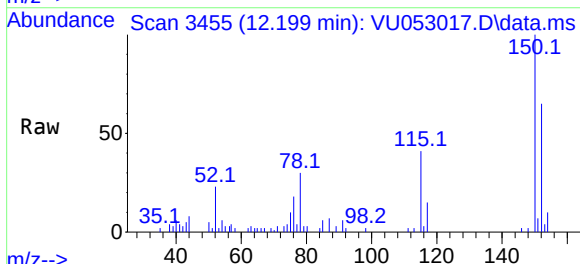
Ion	Ratio	Lower	Upper
146	100		
111	15.9	29.5	44.3#
148	43.3	51.4	77.0#

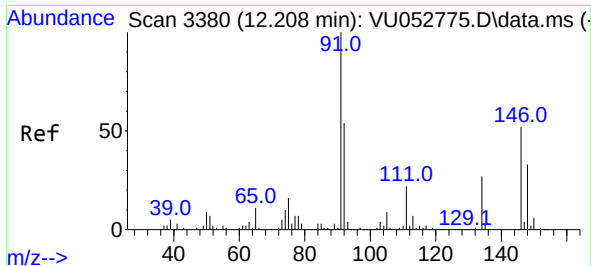


#84
n-Butylbenzene
Concen: 0.577 ug/l
RT: 12.199 min Scan# 3455
Delta R.T. -0.006 min
Lab File: VU053017.D
Acq: 09 Feb 2023 14:25

Tgt Ion: 91 Resp: 932

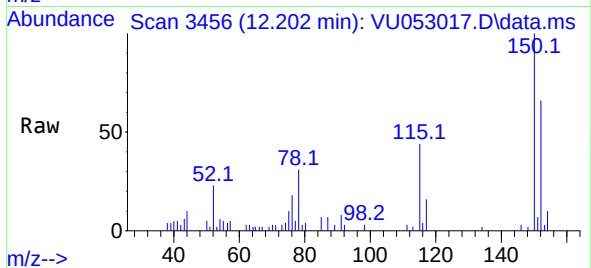
Ion	Ratio	Lower	Upper
91	100		
92	32.2	43.4	65.0#
134	11.3	21.2	31.8#



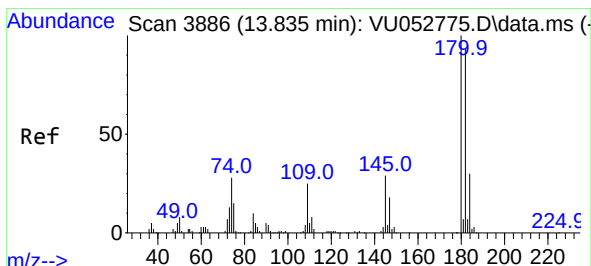
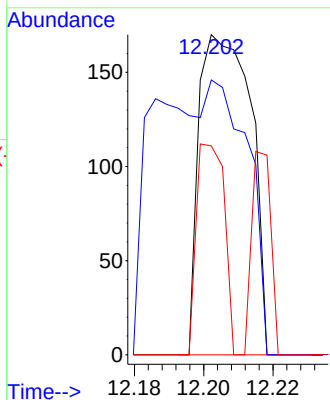
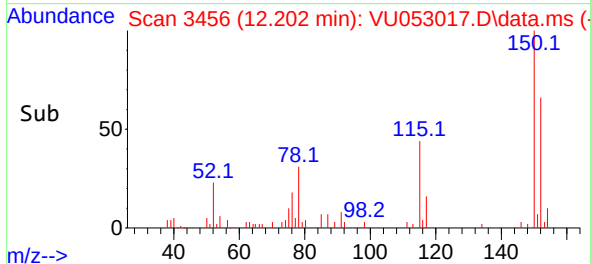


#85
1,2-Dichlorobenzene
Concen: 0.010 ug/l
RT: 12.202 min Scan# 34
Delta R.T. -0.006 min
Lab File: VU053017.D
Acq: 09 Feb 2023 14:25

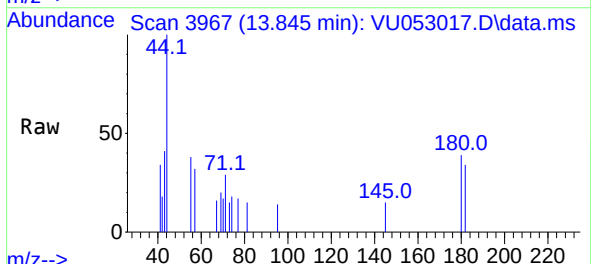
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L57-020723



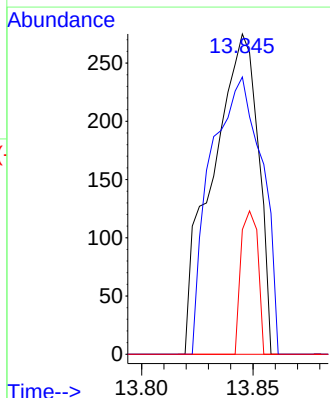
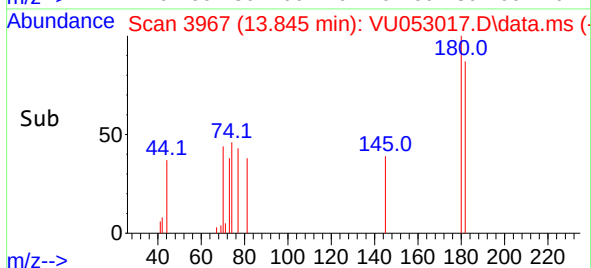
Tgt Ion:146 Resp: 176
Ion Ratio Lower Upper
146 100
111 85.2 20.8 62.5#
148 35.2 31.4 94.2

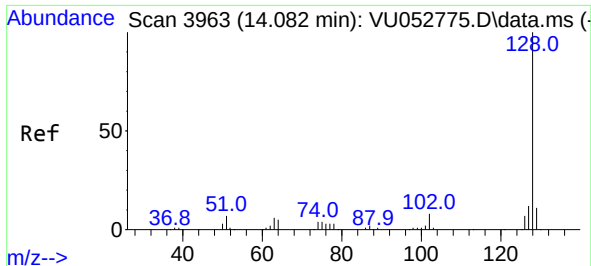


#87
1,2,4-Trichlorobenzene
Concen: 0.036 ug/l
RT: 13.845 min Scan# 3967
Delta R.T. 0.010 min
Lab File: VU053017.D
Acq: 09 Feb 2023 14:25



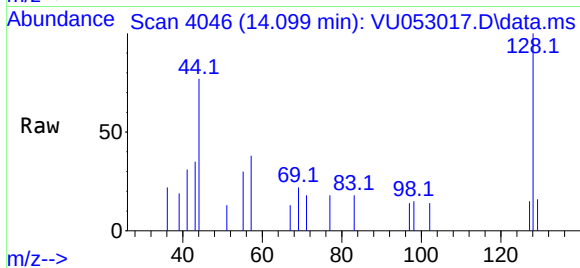
Tgt Ion:180 Resp: 394
Ion Ratio Lower Upper
180 100
182 96.4 74.6 112.0
145 16.5 23.4 35.0#



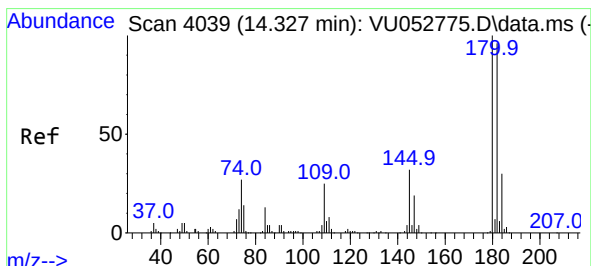
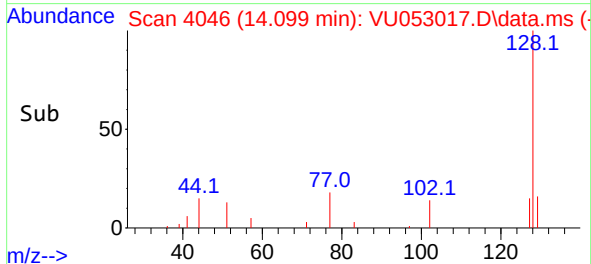
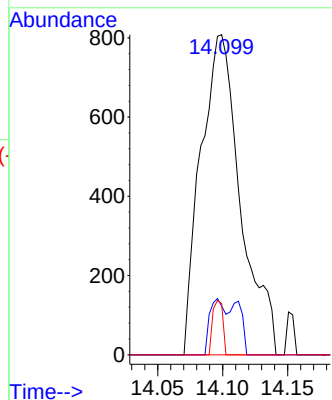


#89
Naphthalene
Concen: 0.082 ug/l
RT: 14.099 min Scan# 4117
Delta R.T. 0.017 min
Lab File: VU053017.D
Acq: 09 Feb 2023 14:25

Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L57-020723



Tgt Ion:128 Resp: 1725
Ion Ratio Lower Upper
128 100
127 6.7 10.2 15.4#
129 4.3 8.6 12.8#



#90
1,2,3-Trichlorobenzene
Concen: 0.020 ug/l
RT: 14.328 min Scan# 4117
Delta R.T. 0.001 min
Lab File: VU053017.D
Acq: 09 Feb 2023 14:25

Tgt Ion:180 Resp: 204
Ion Ratio Lower Upper
180 100
182 173.0 77.8 116.6#
145 31.9 25.2 37.8

