

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020923\
 Data File : VU053024.D
 Acq On : 09 Feb 2023 18:22
 Operator : JC/MD
 Sample : 01479-03
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PW-B6-L10-D-020723-FD

Quant Time: Feb 10 01:23:13 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	33018	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	11366	1.035	ug/l	0.00
Spiked Amount 1.000			Recovery	=	103.000%	
68) 1,2-Dichlorobenzene-d4	12.189	152	9699	0.858	ug/l	0.00
Spiked Amount 1.000			Recovery	=	86.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	62	0.006	ug/l #	43
3) Chloromethane	1.521	50	690	0.065	ug/l #	85
4) Vinyl Chloride	1.605	62	39	0.004	ug/l #	42
5) Bromomethane	1.865	94	187	0.035	ug/l #	67
9) 1,1-Dichloroethene	2.582	96	134	0.017	ug/l	1
10) Iodomethane	2.724	142	163	0.019	ug/l #	32
11) Allyl Chloride	3.048	41	113	0.012	ug/l	96
12) Acrylonitrile	3.302	53	18	0.011	ug/l #	1
13) Acetone	2.781	43	219	0.095	ug/l	94
14) Carbon Disulfide	2.791	76	402	0.016	ug/l #	1
15) Methylene Chloride	3.048	84	1472	0.158	ug/l #	86
16) trans-1,2-Dichloroethene	3.325	96	74	0.009	ug/l #	21
17) 1,1-Dichloroethane	3.878	63	65	0.004	ug/l #	76
18) 2-Butanone	4.756	43	34	0.013	ug/l	76
19) Cyclohexane	5.373	56	137	0.011	ug/l #	25
20) Methylcyclohexane	6.749	83	74	0.005	ug/l #	1
21) 2,2-Dichloropropane	4.646	77	32	0.002	ug/l #	1
22) cis-1,2-Dichloroethene	4.733	96	268	0.030	ug/l	30
23) Diethyl Ether	2.370	59	66	0.012	ug/l #	1
24) tert-Butyl Alcohol	3.354	59	168	0.256	ug/l	89
25) Methyl tert-Butyl Ether	3.347	73	40	0.002	ug/l #	1
26) Bromochloromethane	4.971	128	20	0.005	ug/l #	1
27) Chloroform	5.103	83	126	0.008	ug/l	40
28) 1,1,1-Trichloroethane	5.309	97	55	0.004	ug/l #	1
29) 1,1-Dichloropropene	5.370	75	19	0.002	ug/l #	1
30) Carbon Tetrachloride	5.379	117	19	0.001	ug/l #	12
31) Isopropyl Ether	3.749	45	306	0.015	ug/l	79
32) Ethyl-t-butyl ether	4.524	59	86	0.004	ug/l #	31
33) Tert-Amyl methyl ether	6.087	73	42	0.002	ug/l #	1
34) Propionitrile	4.804	54	201	0.326	ug/l #	46
35) Benzene	5.772	78	20	0.001	ug/l #	81
36) 1,2-Dichloroethane	5.740	62	40	0.004	ug/l #	1
39) Methacrylonitrile	4.994	41	187	0.076	ug/l #	43
40) Methyl acrylate	4.849	55	267	0.061	ug/l #	16
41) Tetrahydrofuran	5.048	42	71	0.058	ug/l #	22
42) 1-Chlorobutane	5.373	56	148	0.010	ug/l	67
44) Bromodichloromethane	7.087	83	45	0.004	ug/l #	25
45) 4-Methyl-2-Pentanone	7.797	43	180	0.038	ug/l #	40
46) t-1,4-Dichloro-2-butene	10.630	75	6009	2.423	ug/l #	26
47) Methyl methacrylate	6.984	69	114	0.028	ug/l #	1
48) Ethyl methacrylate	8.302	69	154	0.021	ug/l	94
49) Toluene	7.968	92	20	0.001	ug/l #	1
52) 1,1,2-Trichloroethane	8.428	97	88	0.014	ug/l #	15

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

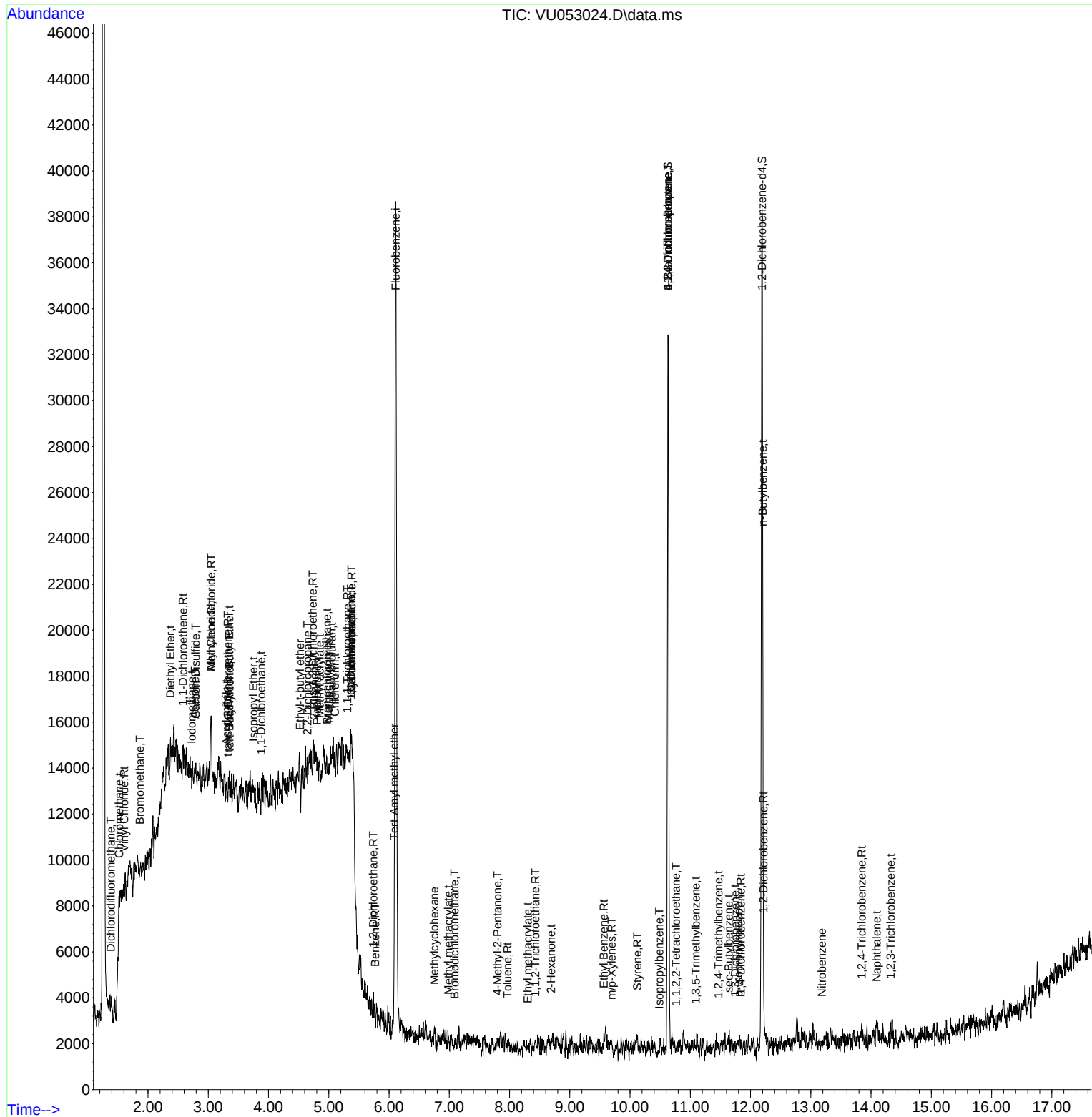
54) 2-Hexanone	8.691	43	228	0.055	ug/l	83
63) Ethyl Benzene	9.566	91	230	0.006	ug/l #	43
64) m/p-Xylenes	9.694	106	89	0.006	ug/l #	1
66) Styrene	10.122	104	100	0.424	ug/l #	26
69) Isopropylbenzene	10.485	105	70	0.002	ug/l #	48
70) 1,1,2,2-Tetrachloroethane	10.765	83	117	0.015	ug/l #	25
71) 1,2,3-Trichloropropane	10.630	75	6009	0.870	ug/l #	44
75) 1,3,5-Trimethylbenzene	11.093	105	216	0.425	ug/l #	27
78) 1,2,4-Trimethylbenzene	11.469	105	221	0.460	ug/l #	30
79) sec-Butylbenzene	11.636	105	138	0.432	ug/l #	56
80) Nitrobenzene	13.186	77	41	0.083	ug/l #	41
81) p-Isopropyltoluene	11.797	119	304	0.491	ug/l #	65
82) 1,3-Dichlorobenzene	11.743	146	42	0.002	ug/l #	24
83) 1,4-Dichlorobenzene	11.839	146	111	0.006	ug/l #	56
84) n-Butylbenzene	12.202	91	506	0.567	ug/l #	88
85) 1,2-Dichlorobenzene	12.215	146	92	0.005	ug/l #	1
87) 1,2,4-Trichlorobenzene	13.845	180	224	0.021	ug/l #	68
89) Naphthalene	14.093	128	1135	0.054	ug/l #	69
90) 1,2,3-Trichlorobenzene	14.328	180	259	0.025	ug/l #	67

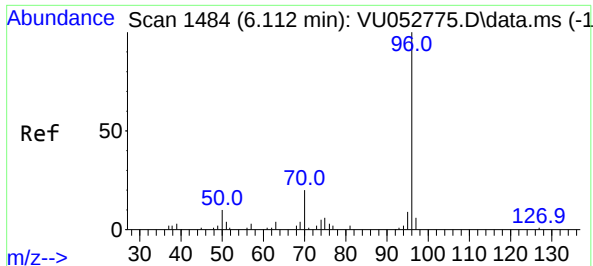
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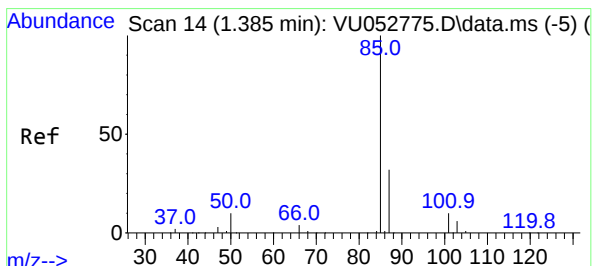
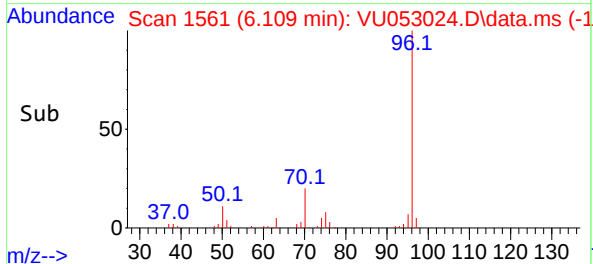
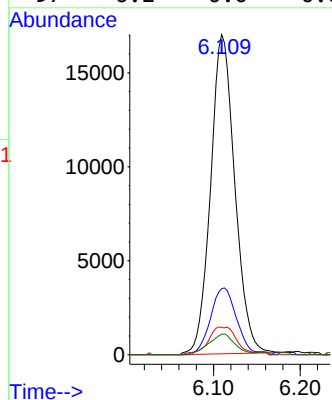
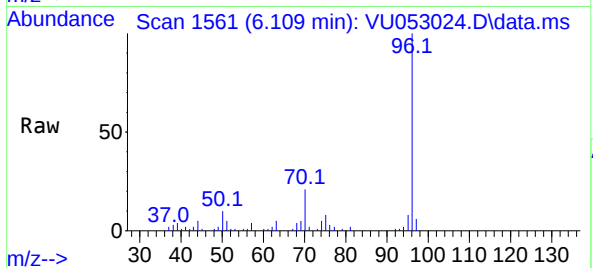




#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.109 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU053024.D
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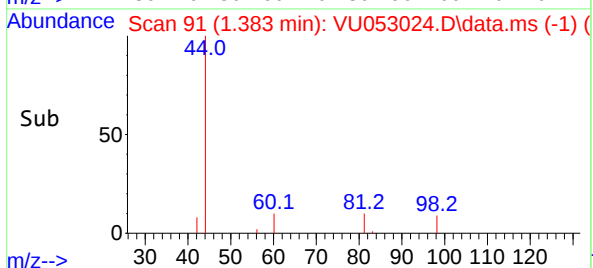
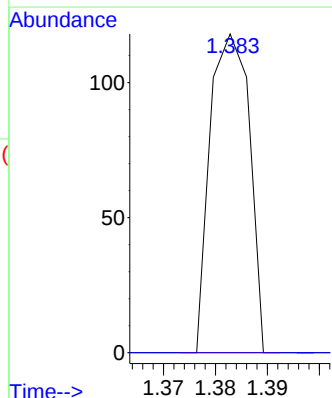
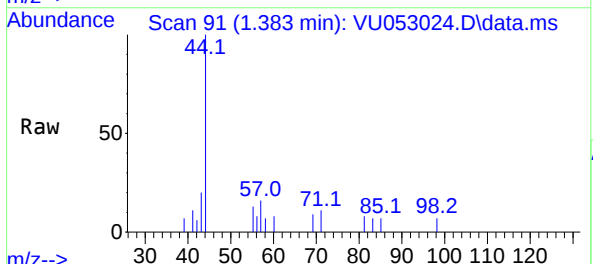
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MSVOA_U
ClientSampleId :
PW-B6-L10-D-020723-FD

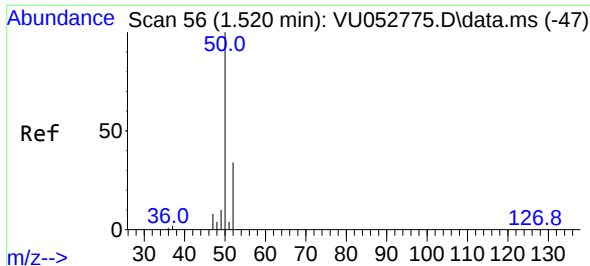
Tgt Ion: 96	Resp: 33018
Ion Ratio	Lower Upper
96 100	
70 22.5	16.2 24.4
95 9.2	7.4 11.0
97 6.2	0.0 0.0#



#2
Dichlorodifluoromethane
Concen: 0.006 ug/l
RT: 1.383 min Scan# 91
Delta R.T. -0.002 min
Lab File: VU053024.D
Acq: 09 Feb 2023 18:22

Tgt Ion: 85	Resp: 62		
Ion Ratio	Lower	Upper	
85 100			
87 0.0	16.1	48.2	#

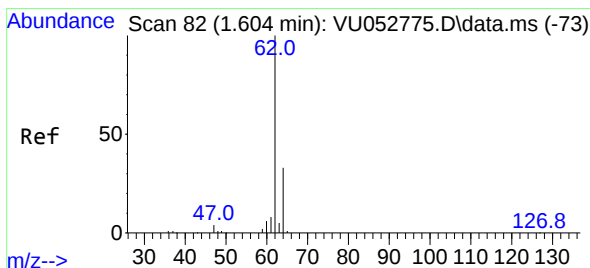
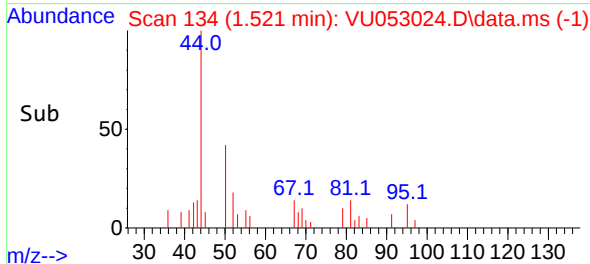
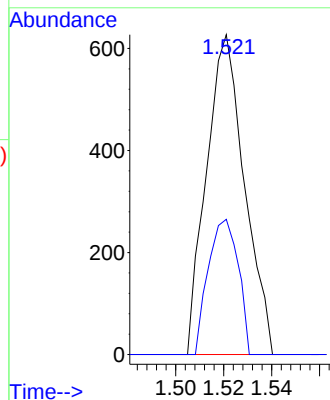
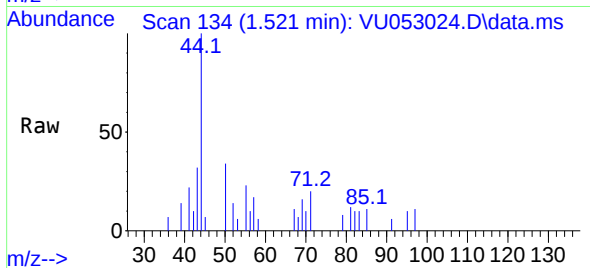




#3
Chloromethane
Concen: 0.065 ug/l
RT: 1.521 min Scan# 11
Delta R.T. 0.001 min
Lab File: VU053024.D
Acq: 09 Feb 2023 18:22

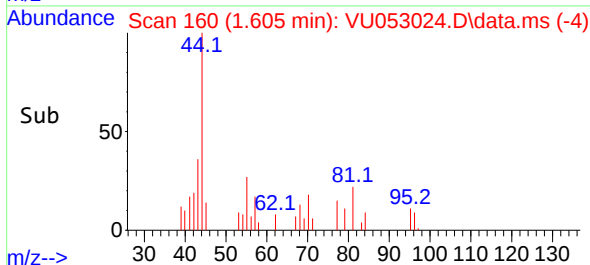
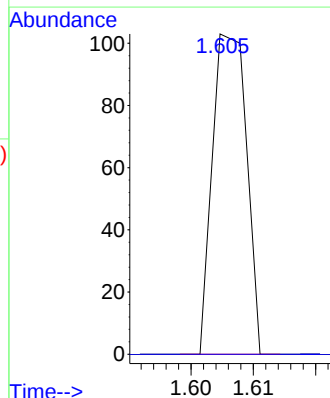
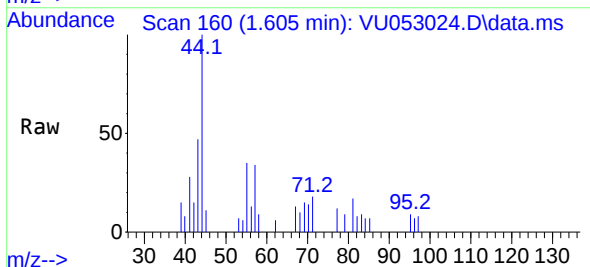
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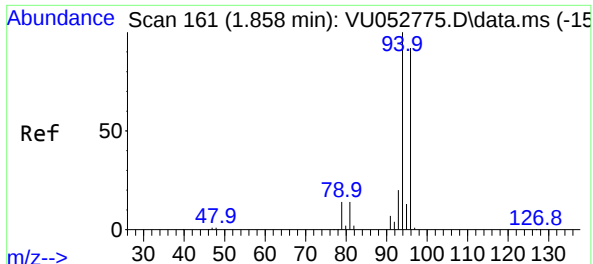
Tgt Ion: 50 Resp: 690
Ion Ratio Lower Upper
50 100
52 42.3 26.8 40.2#



#4
Vinyl Chloride
Concen: 0.004 ug/l
RT: 1.605 min Scan# 160
Delta R.T. 0.001 min
Lab File: VU053024.D
Acq: 09 Feb 2023 18:22

Tgt Ion: 62 Resp: 39
Ion Ratio Lower Upper
62 100
64 0.0 26.0 39.0#





#5

Bromomethane

Concen: 0.035 ug/l

RT: 1.865 min Scan# 24

Delta R.T. 0.007 min

Lab File: VU053024.D

Acq: 09 Feb 2023 18:22

Instrument :

MSVOA_U

ClientSampleId :

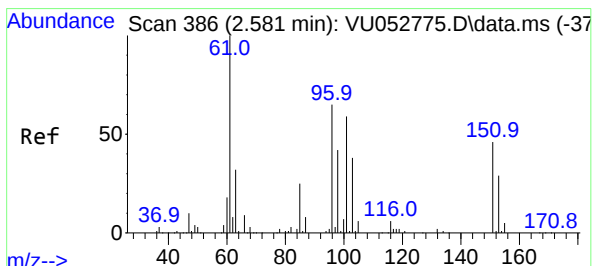
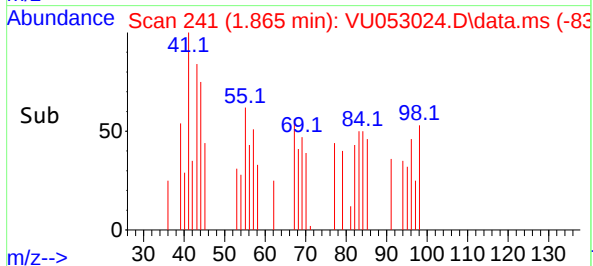
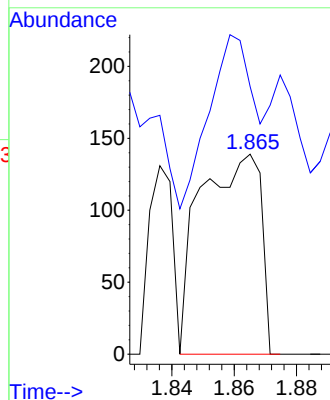
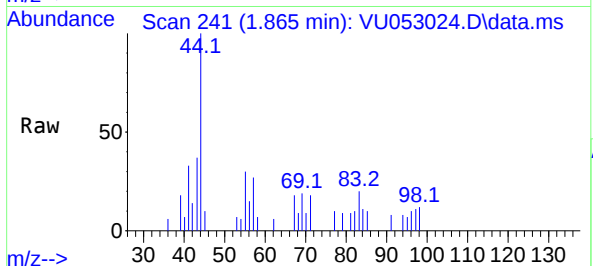
PW-B6-L10-D-020723-FD

Tgt Ion: 94 Resp: 187

Ion Ratio Lower Upper

94 100

96 61.2 73.8 110.6#



#9

1,1-Dichloroethene

Concen: 0.017 ug/l

RT: 2.582 min Scan# 464

Delta R.T. 0.001 min

Lab File: VU053024.D

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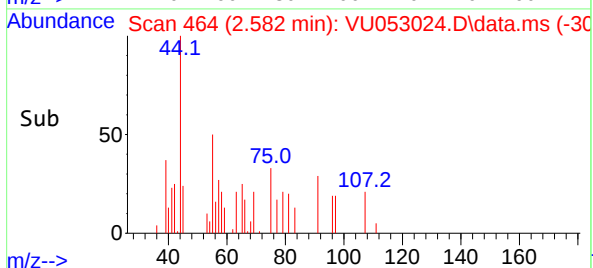
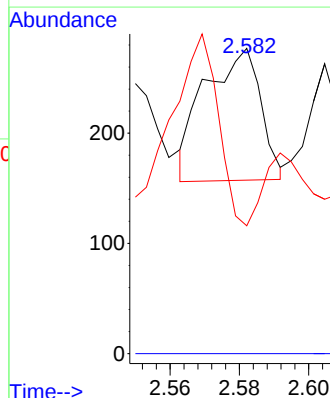
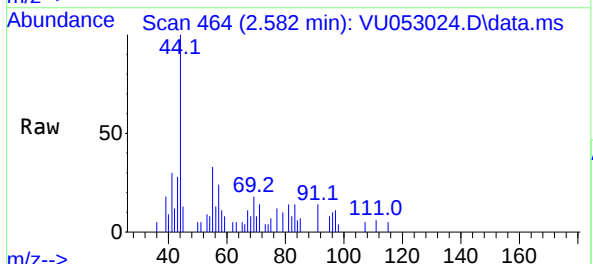
Tgt Ion: 96 Resp: 134

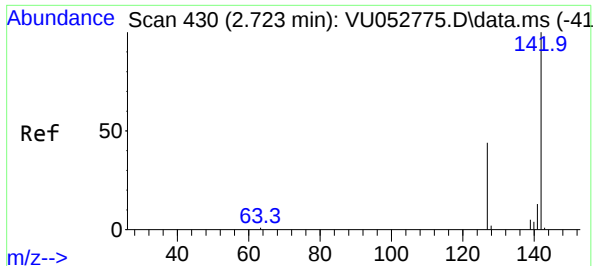
Ion Ratio Lower Upper

96 100

61 0.0 0.0 460.5

98 0.0 0.0 128.0

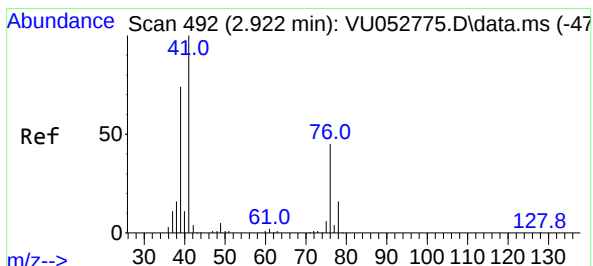
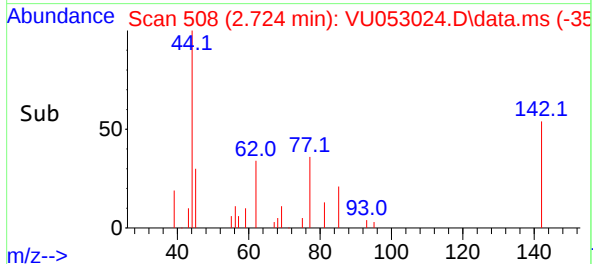
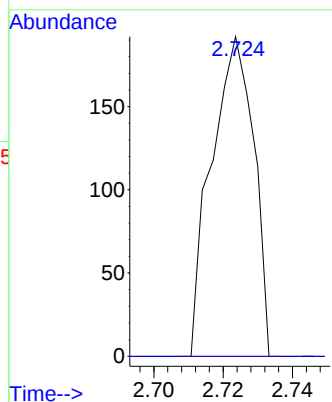
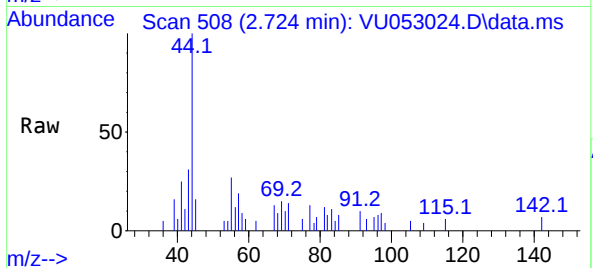




#10
Iodomethane
Concen: 0.019 ug/l
RT: 2.724 min Scan# 509
Delta R.T. 0.001 min
Lab File: VU053024.D
Acq: 09 Feb 2023 18:22

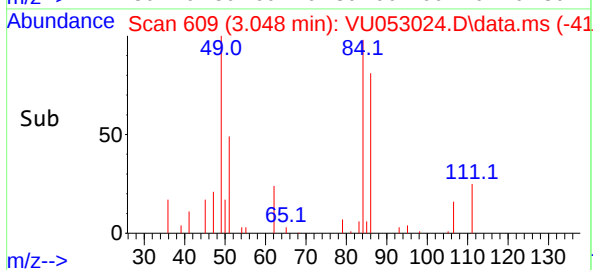
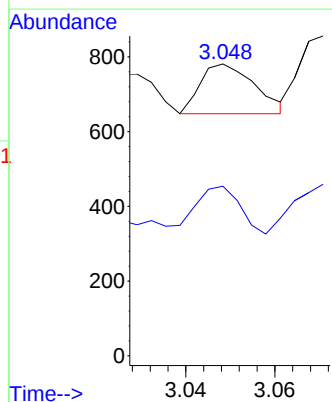
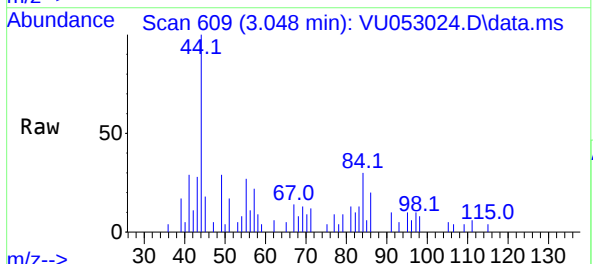
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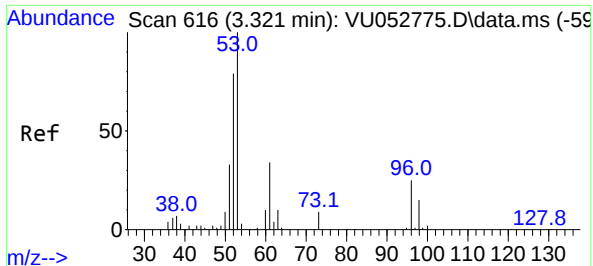
Tgt Ion:142 Resp: 163
Ion Ratio Lower Upper
142 100
127 0.0 35.4 53.0#



#11
Allyl Chloride
Concen: 0.012 ug/l
RT: 3.048 min Scan# 609
Delta R.T. 0.126 min
Lab File: VU053024.D
Acq: 09 Feb 2023 18:22

Tgt Ion: 41 Resp: 113
Ion Ratio Lower Upper
41 100
39 77.9 59.3 88.9

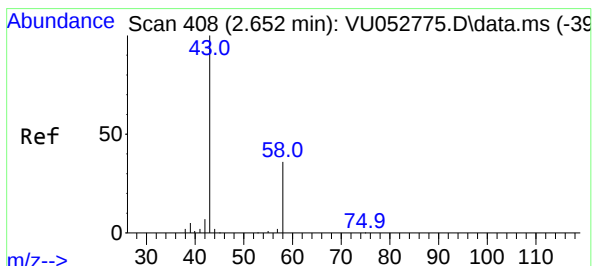
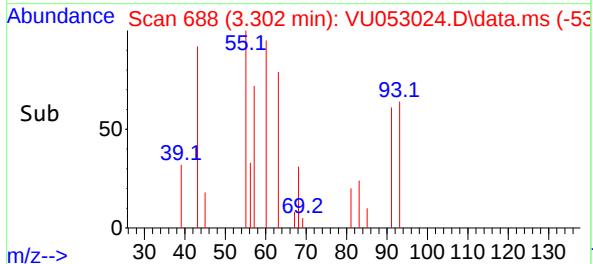
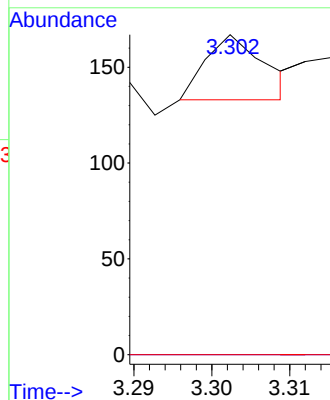
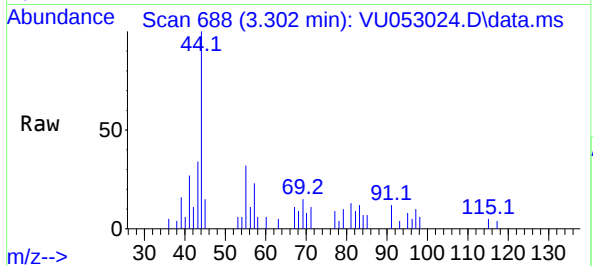




#12
Acrylonitrile
Concen: 0.011 ug/l
RT: 3.302 min Scan# 616
Delta R.T. -0.018 min
Lab File: VU053024.D
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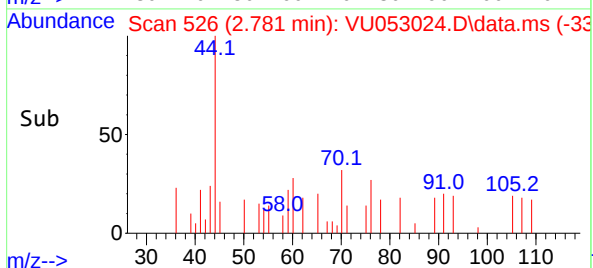
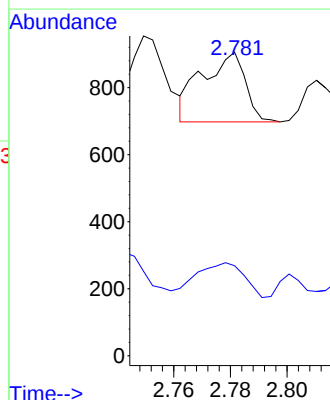
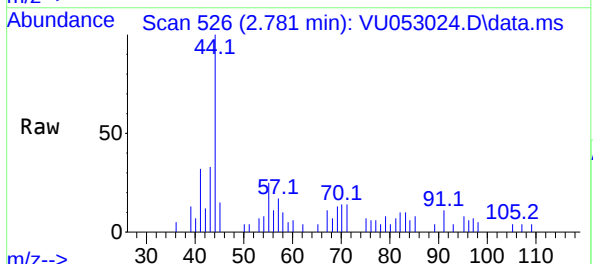
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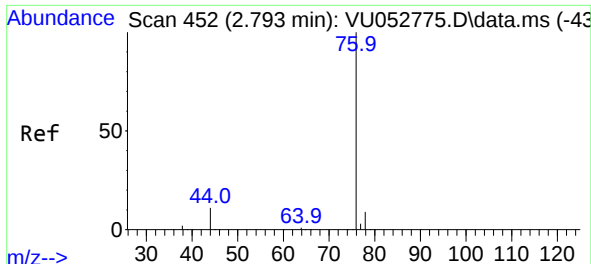
Tgt Ion: 53 Resp: 18
Ion Ratio Lower Upper
53 100
52 0.0 63.0 94.4#
51 372.2 31.3 46.9#



#13
Acetone
Concen: 0.095 ug/l
RT: 2.781 min Scan# 526
Delta R.T. 0.129 min
Lab File: VU053024.D
Acq: 09 Feb 2023 18:22

Tgt Ion: 43 Resp: 219
Ion Ratio Lower Upper
43 100
58 32.7 29.0 43.4

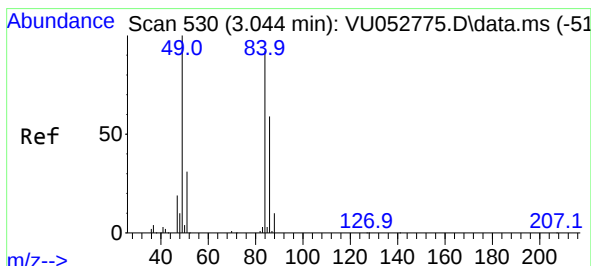
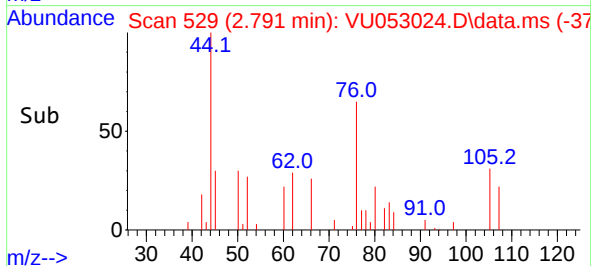
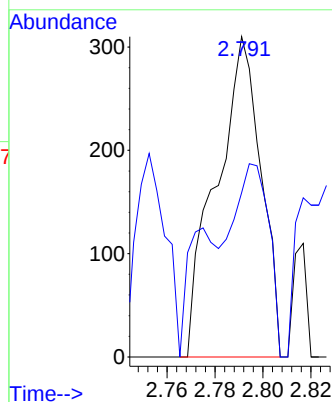
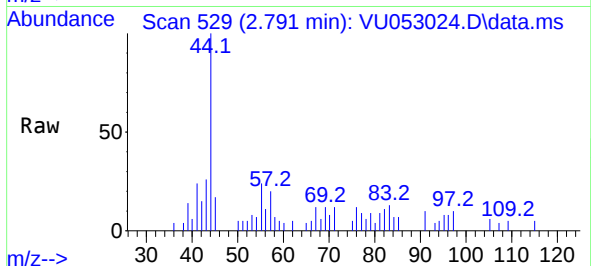




#14
Carbon Disulfide
Concen: 0.016 ug/l
RT: 2.791 min Scan# 51
Delta R.T. -0.002 min
Lab File: VU053024.D
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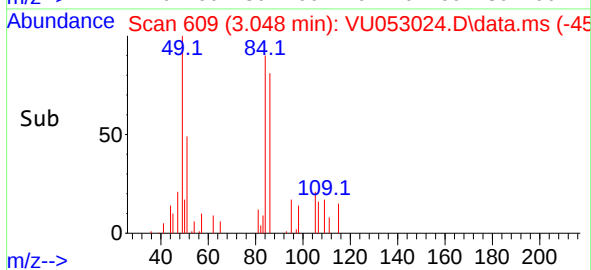
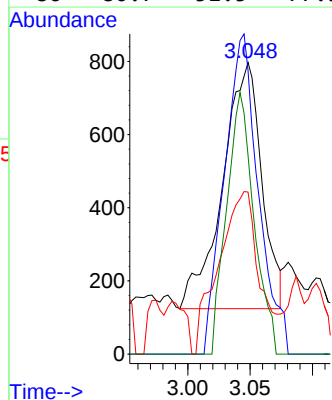
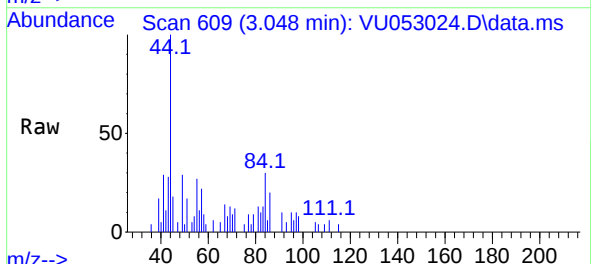
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L10-D-020723-FD

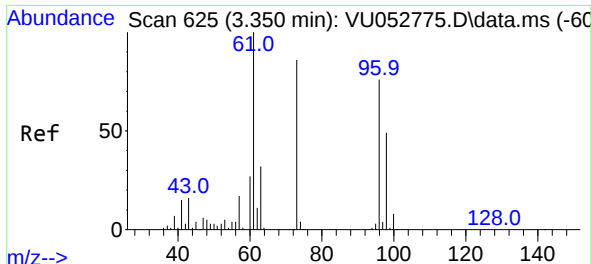
Tgt Ion: 76 Resp: 402
Ion Ratio Lower Upper
76 100
78 51.3 7.1 10.7#



#15
Methylene Chloride
Concen: 0.158 ug/l
RT: 3.048 min Scan# 609
Delta R.T. 0.004 min
Lab File: VU053024.D
Acq: 09 Feb 2023 18:22

Tgt Ion: 84 Resp: 1472
Ion Ratio Lower Upper
84 100
49 115.2 86.7 130.1
51 49.6 0.0 66.8
86 80.7 51.5 77.3#

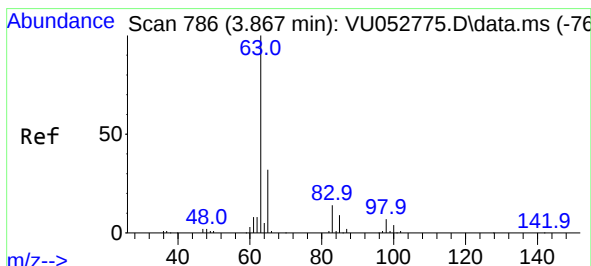
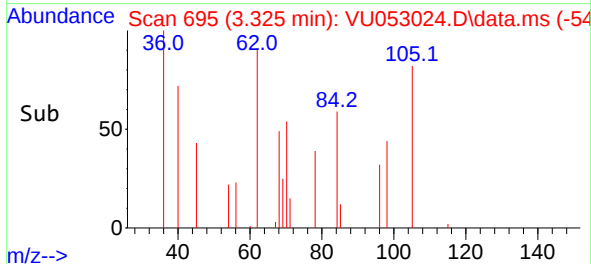
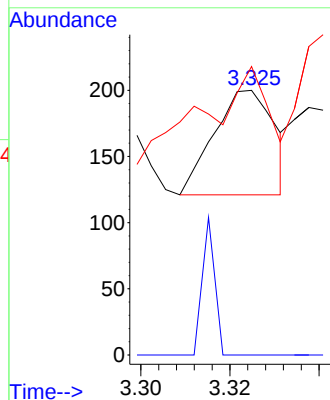
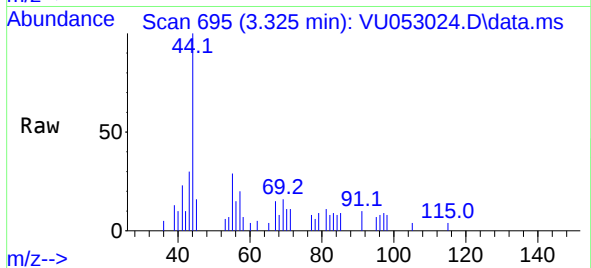




#16
trans-1,2-Dichloroethene
Concen: 0.009 ug/l
RT: 3.325 min Scan# 61
Delta R.T. -0.025 min
Lab File: VU053024.D
Acq: 09 Feb 2023 18:22

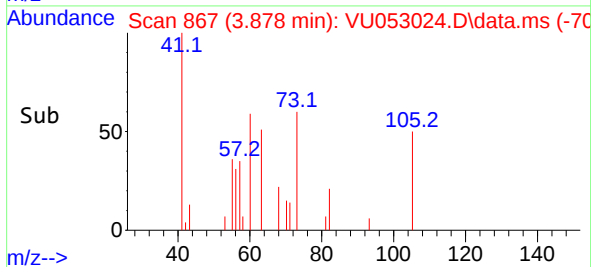
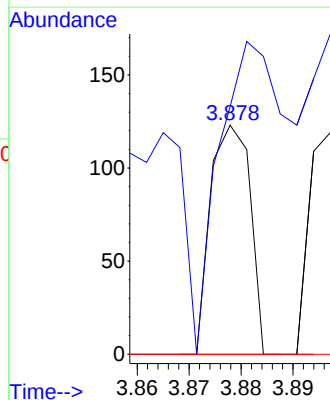
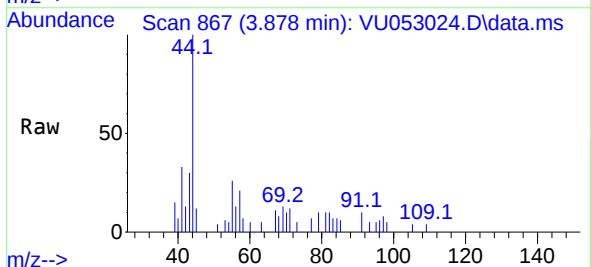
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L10-D-020723-FD

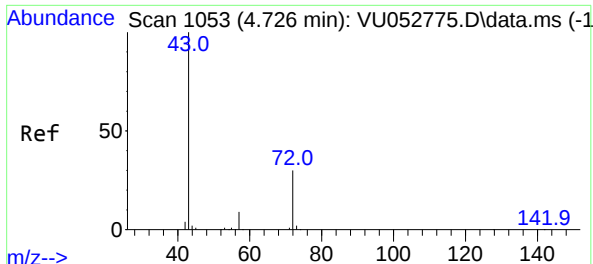
Tgt Ion: 96 Resp: 74
Ion Ratio Lower Upper
96 100
61 0.0 105.7 158.5#
98 72.2 51.4 77.2



#17
1,1-Dichloroethane
Concen: 0.004 ug/l
RT: 3.878 min Scan# 867
Delta R.T. 0.010 min
Lab File: VU053024.D
Acq: 09 Feb 2023 18:22

Tgt Ion: 63 Resp: 65
Ion Ratio Lower Upper
63 100
98 17.9 3.8 11.2#
100 0.0 2.2 6.6#

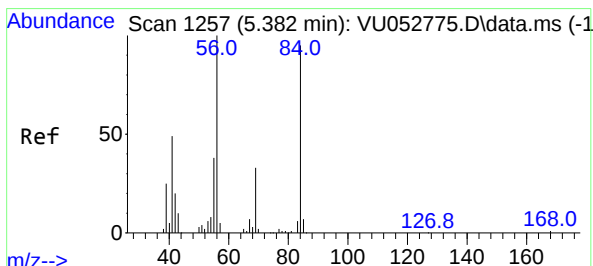
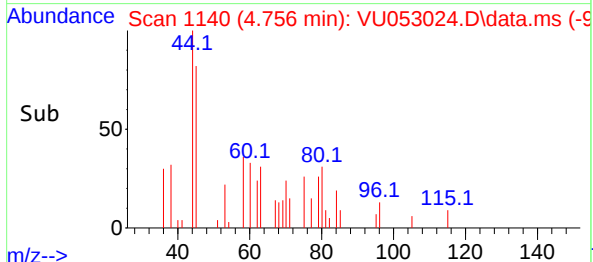
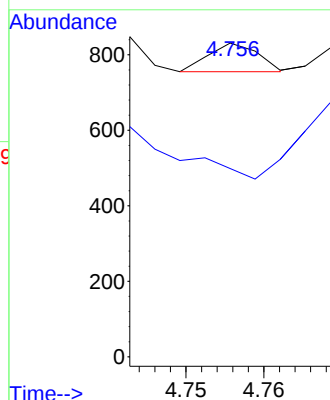
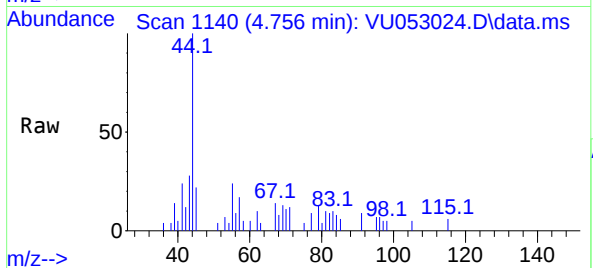




#18
2-Butanone
Concen: 0.013 ug/l
RT: 4.756 min Scan# 1140
Delta R.T. 0.030 min
Lab File: VU053024.D
Acq: 09 Feb 2023 18:22

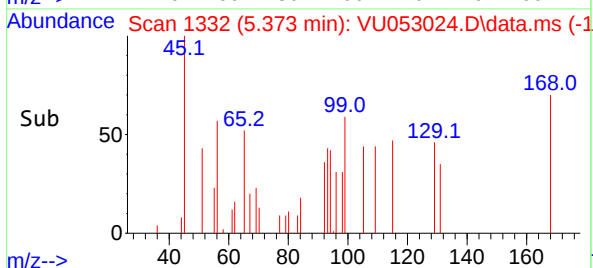
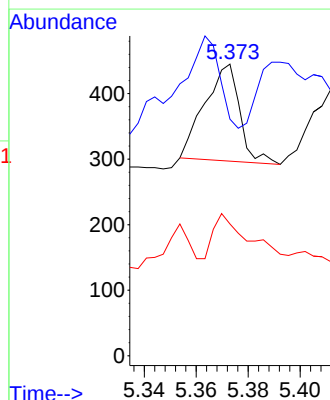
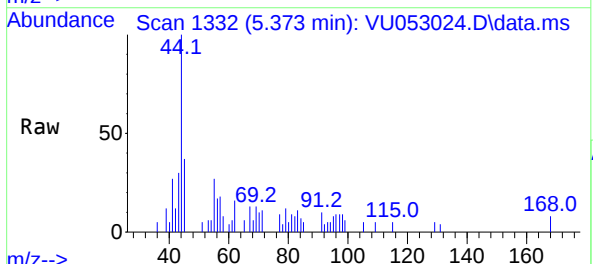
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L10-D-020723-FD

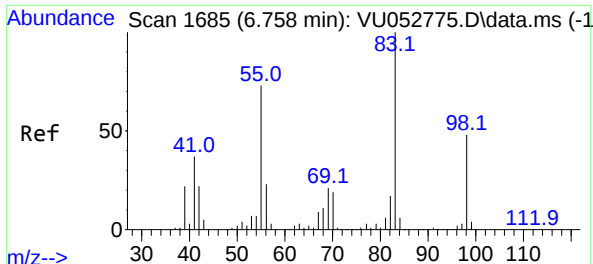
Tgt Ion: 43 Resp: 34
Ion Ratio Lower Upper
43 100
57 0.0 0.0 17.4



#19
Cyclohexane
Concen: 0.011 ug/l
RT: 5.373 min Scan# 1332
Delta R.T. -0.009 min
Lab File: VU053024.D
Acq: 09 Feb 2023 18:22

Tgt Ion: 56 Resp: 137
Ion Ratio Lower Upper
56 100
69 106.6 26.8 40.2#
84 41.6 77.0 115.6#

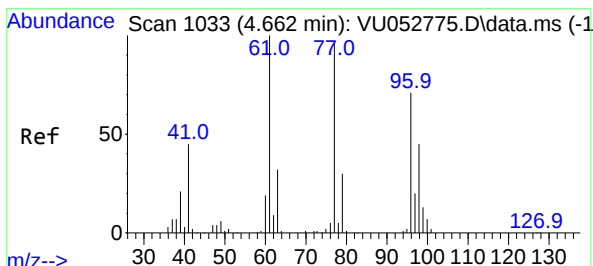
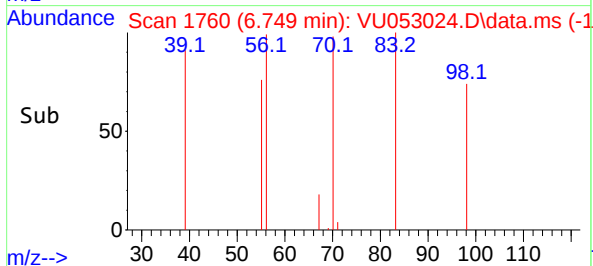
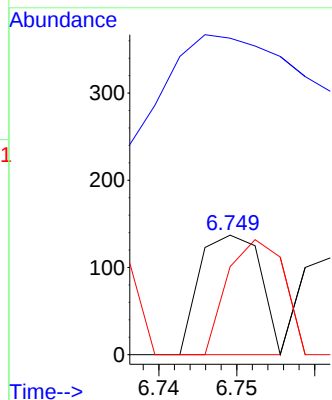
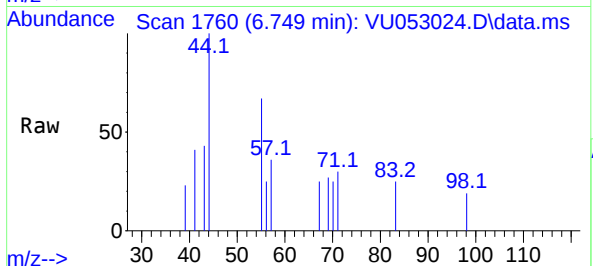




#20
Methylcyclohexane
Concen: 0.005 ug/l
RT: 6.749 min Scan# 1106
Delta R.T. -0.009 min
Lab File: VU053024.D
Acq: 09 Feb 2023 18:22

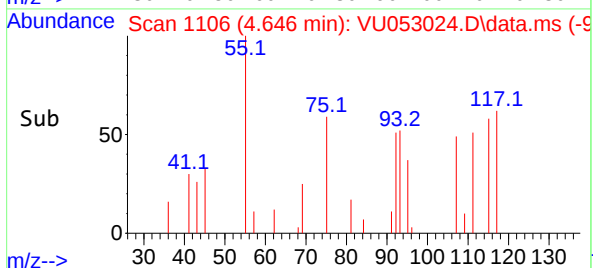
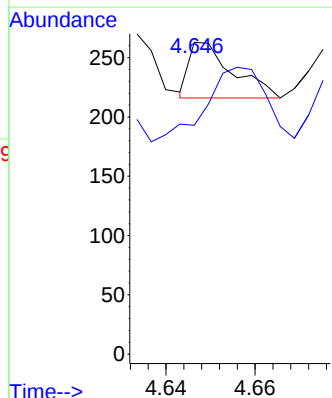
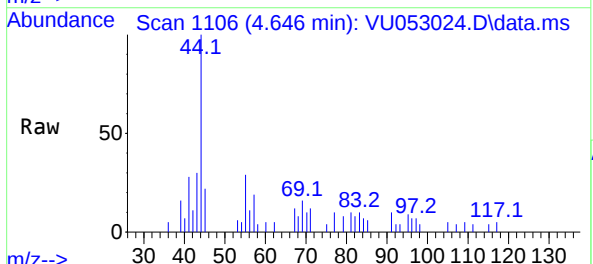
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L10-D-020723-FD

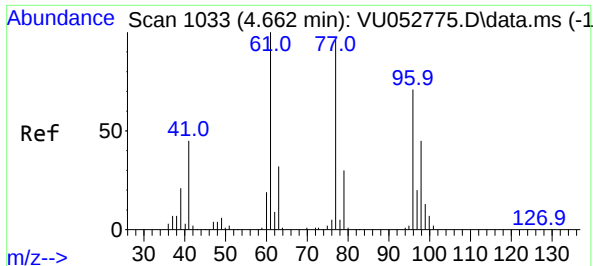
Tgt Ion: 83 Resp: 74
Ion Ratio Lower Upper
83 100
55 300.0 58.7 88.1#
98 90.5 39.4 59.2#



#21
2,2-Dichloropropane
Concen: 0.002 ug/l
RT: 4.646 min Scan# 1106
Delta R.T. -0.015 min
Lab File: VU053024.D
Acq: 09 Feb 2023 18:22

Tgt Ion: 77 Resp: 32
Ion Ratio Lower Upper
77 100
97 162.5 16.8 25.2#





#22

cis-1,2-Dichloroethene

Concen: 0.030 ug/l

RT: 4.733 min Scan# 1133

Delta R.T. 0.072 min

Lab File: VU053024.D

Acq: 09 Feb 2023 18:22

Instrument :

MSVOA_U

ClientSampleId :

PW-B6-L10-D-020723-FD

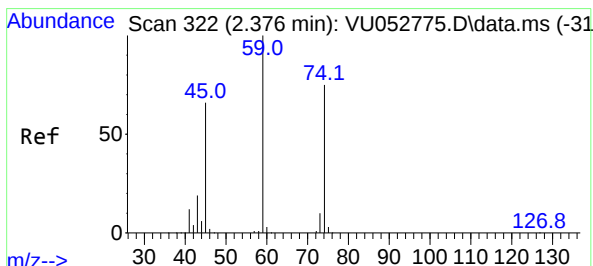
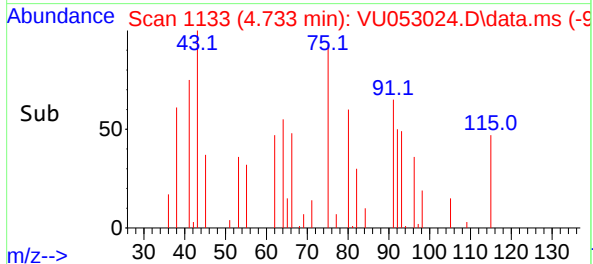
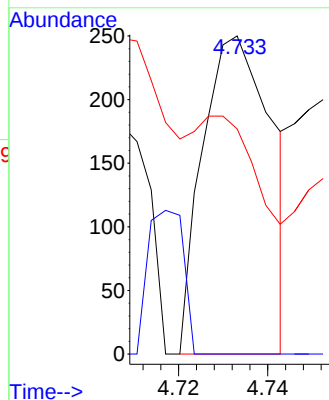
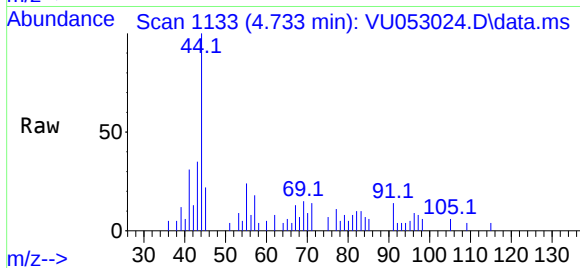
Tgt Ion: 96 Resp: 268

Ion Ratio Lower Upper

96 100

61 23.5 0.0 353.3

98 56.0 32.6 97.7



#23

Diethyl Ether

Concen: 0.012 ug/l

RT: 2.370 min Scan# 398

Delta R.T. -0.006 min

Lab File: VU053024.D

Acq: 09 Feb 2023 18:22

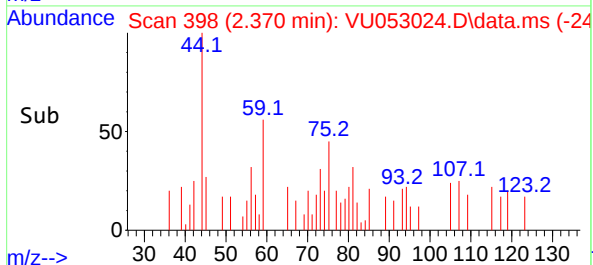
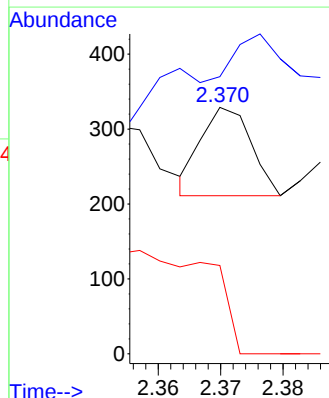
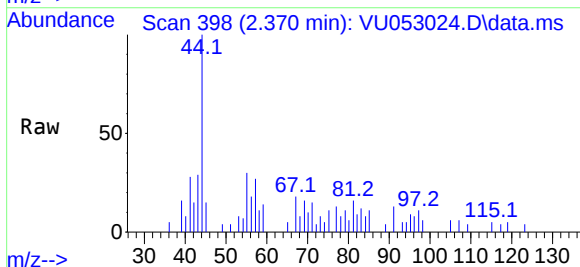
Tgt Ion: 59 Resp: 66

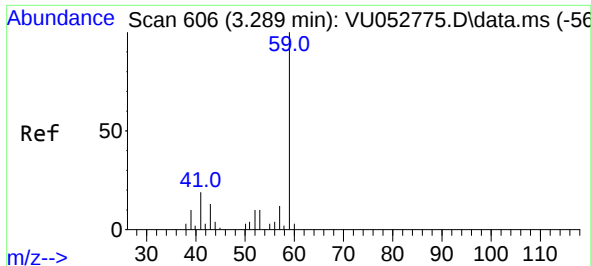
Ion Ratio Lower Upper

59 100

45 243.9 52.1 78.1#

74 0.0 61.6 92.4#

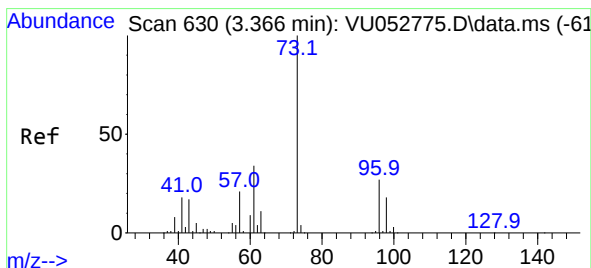
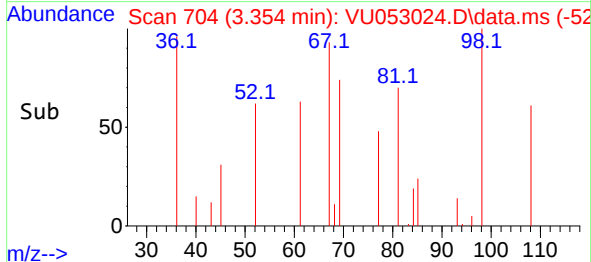
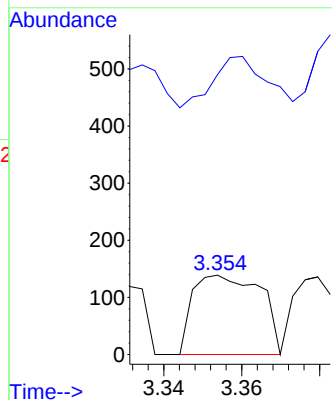
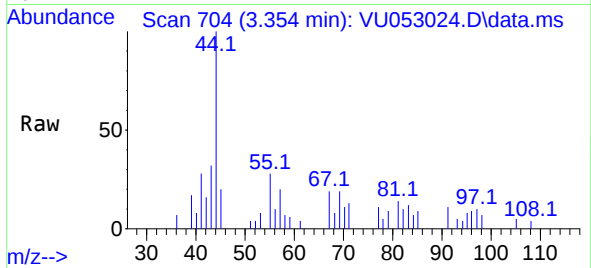




#24
tert-Butyl Alcohol
Concen: 0.256 ug/l
RT: 3.354 min Scan# 704
Delta R.T. 0.065 min
Lab File: VU053024.D
Acq: 09 Feb 2023 18:22

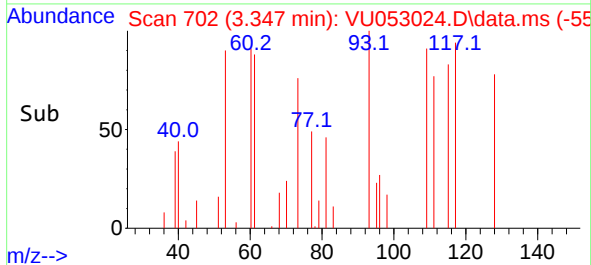
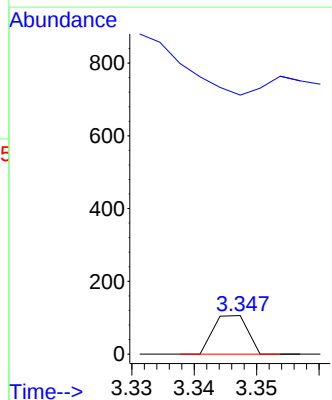
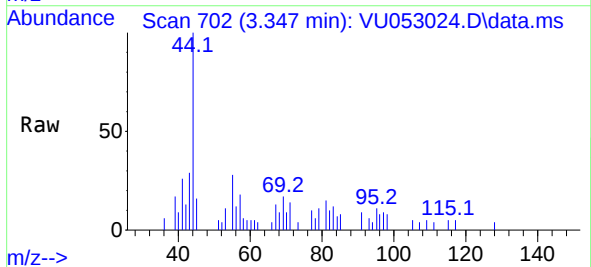
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L10-D-020723-FD

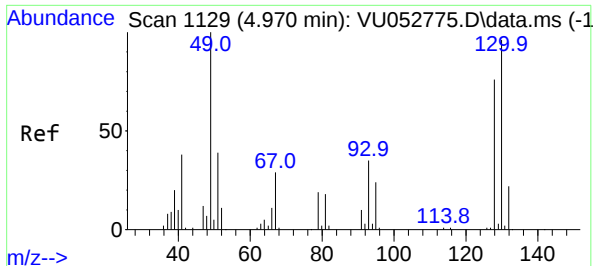
Tgt Ion: 59 Resp: 168
Ion Ratio Lower Upper
59 100
57 49.4 45.8 68.8



#25
Methyl tert-Butyl Ether
Concen: 0.002 ug/l
RT: 3.347 min Scan# 702
Delta R.T. -0.018 min
Lab File: VU053024.D
Acq: 09 Feb 2023 18:22

Tgt Ion: 73 Resp: 40
Ion Ratio Lower Upper
73 100
43 310.0 15.3 22.9#

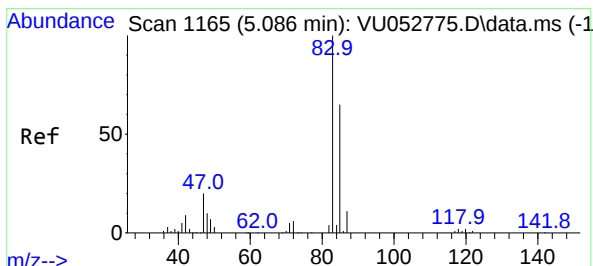
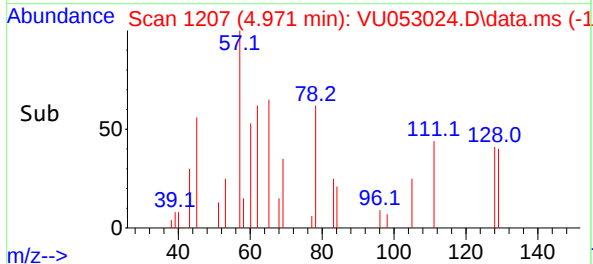
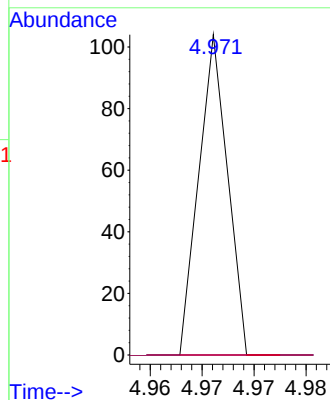
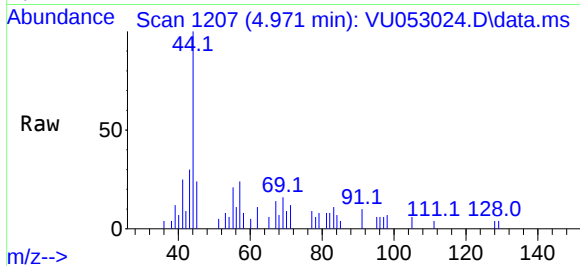




#26
Bromochloromethane
Concen: 0.005 ug/l
RT: 4.971 min Scan# 1129
Delta R.T. 0.001 min
Lab File: VU053024.D
Acq: 09 Feb 2023 18:22

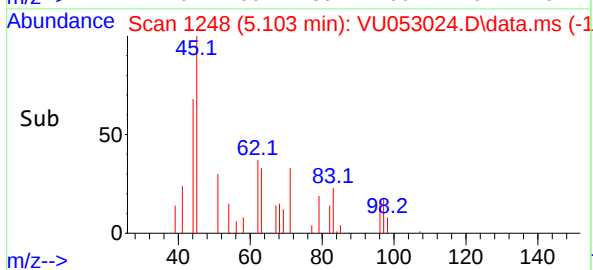
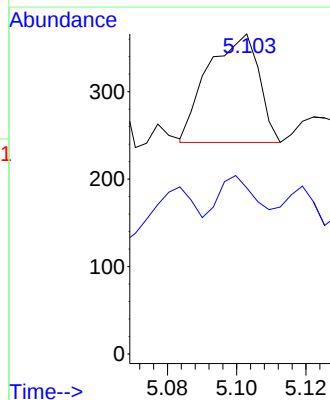
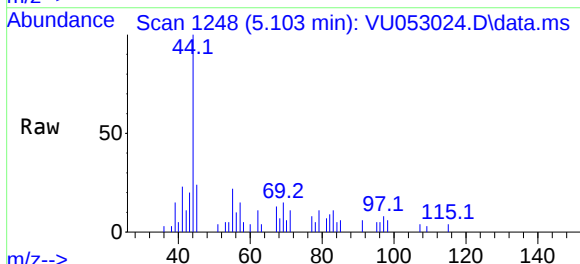
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L10-D-020723-FD

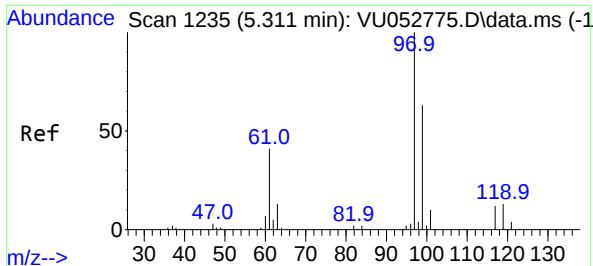
Tgt Ion:128 Resp: 20
Ion Ratio Lower Upper
128 100
49 0.0 0.0 265.0
130 0.0 100.7 151.1#



#27
Chloroform
Concen: 0.008 ug/l
RT: 5.103 min Scan# 1248
Delta R.T. 0.017 min
Lab File: VU053024.D
Acq: 09 Feb 2023 18:22

Tgt Ion: 83 Resp: 126
Ion Ratio Lower Upper
83 100
85 17.7 0.0 130.6

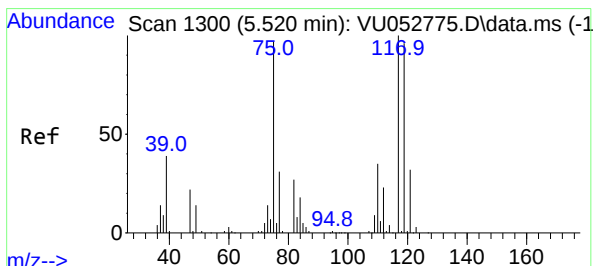
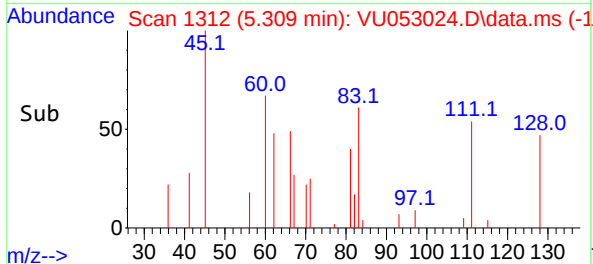
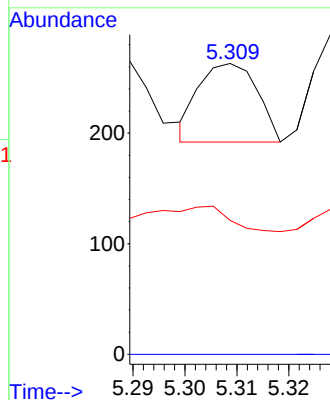
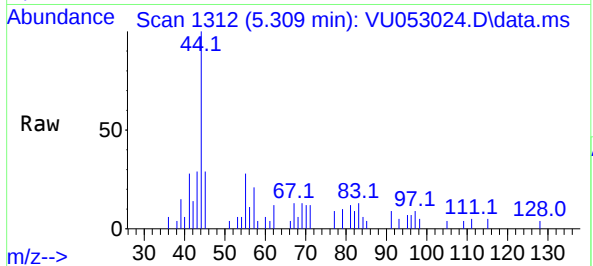




#28
1,1,1-Trichloroethane
Concen: 0.004 ug/l
RT: 5.309 min Scan# 11
Delta R.T. -0.002 min
Lab File: VU053024.D
Acq: 09 Feb 2023 18:22

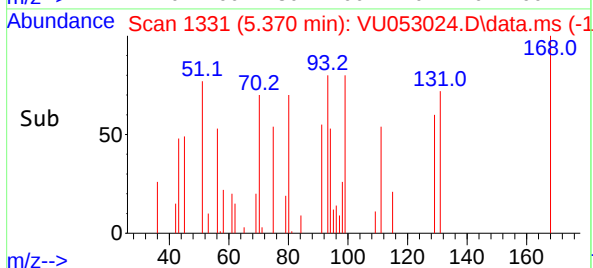
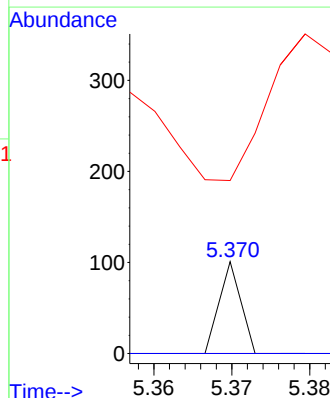
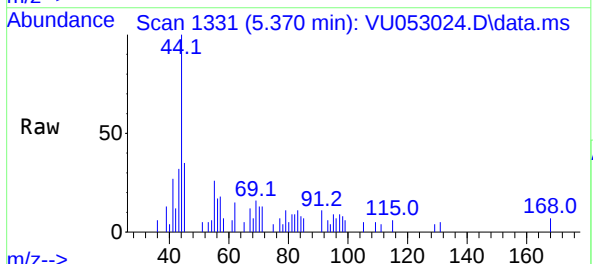
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L10-D-020723-FD

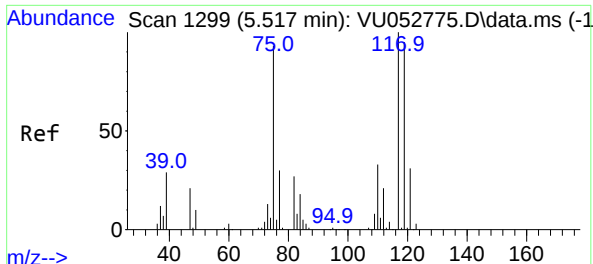
Tgt Ion:	97	Resp:	55
Ion	Ratio	Lower	Upper
97	100		
99	0.0	31.9	95.5#
61	469.1	20.8	62.2#



#29
1,1-Dichloropropene
Concen: 0.002 ug/l
RT: 5.370 min Scan# 1331
Delta R.T. -0.150 min
Lab File: VU053024.D
Acq: 09 Feb 2023 18:22

Tgt Ion:	75	Resp:	19
Ion	Ratio	Lower	Upper
75	100		
110	205.3	17.4	52.2#
77	610.5	24.8	37.2#

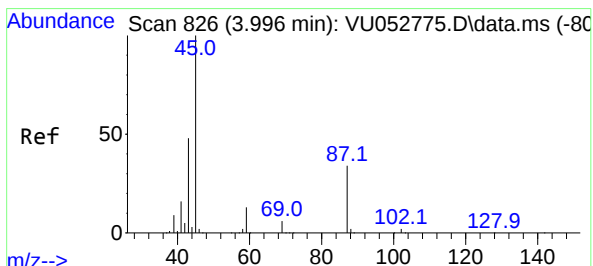
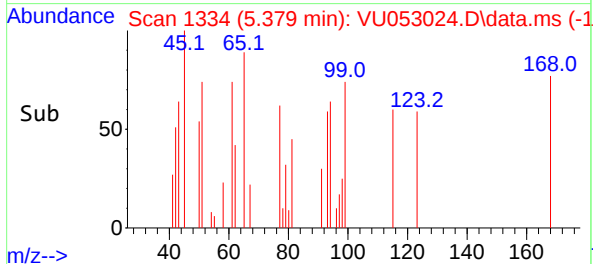
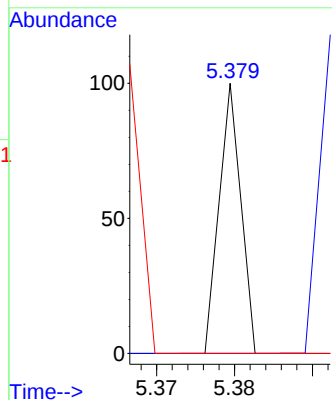
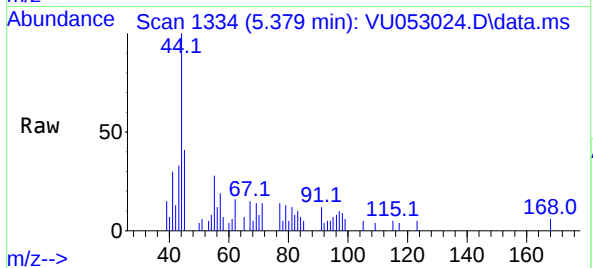




#30
Carbon Tetrachloride
Concen: 0.001 ug/l
RT: 5.379 min Scan# 11
Delta R.T. -0.137 min
Lab File: VU053024.D
Acq: 09 Feb 2023 18:22

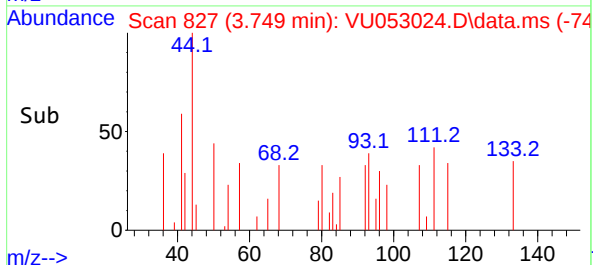
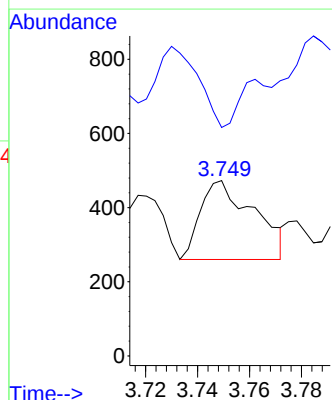
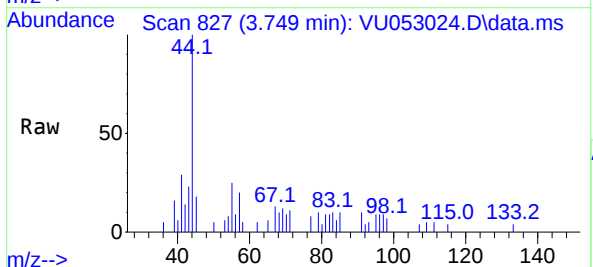
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L10-D-020723-FD

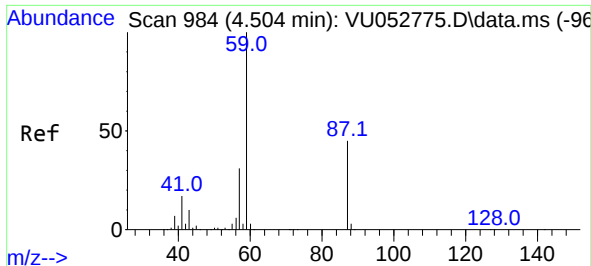
Tgt Ion:117 Resp: 19
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 25.0 37.6#



#31
Isopropyl Ether
Concen: 0.015 ug/l
RT: 3.749 min Scan# 827
Delta R.T. -0.247 min
Lab File: VU053024.D
Acq: 09 Feb 2023 18:22

Tgt Ion: 45 Resp: 306
Ion Ratio Lower Upper
45 100
43 35.0 24.5 73.5

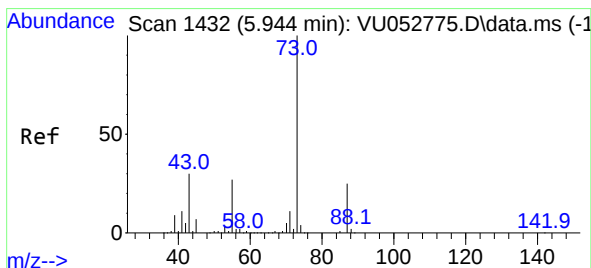
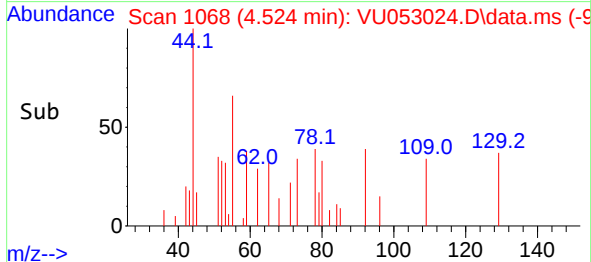
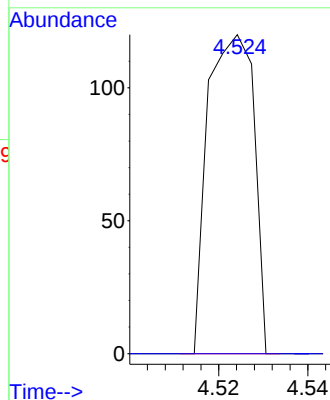
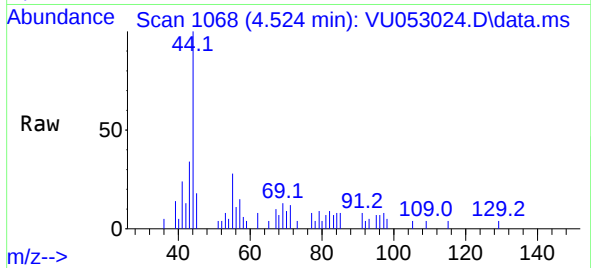




#32
Ethyl-t-butyl ether
Concen: 0.004 ug/l
RT: 4.524 min Scan# 1068
Delta R.T. 0.020 min
Lab File: VU053024.D
Acq: 09 Feb 2023 18:22

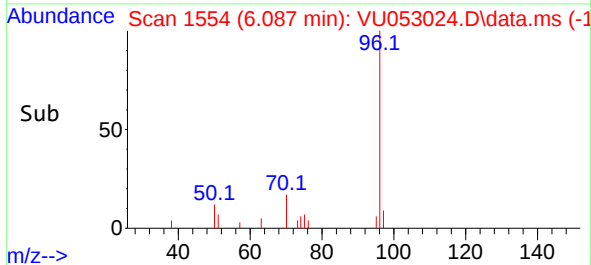
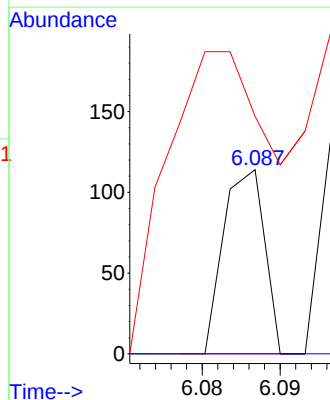
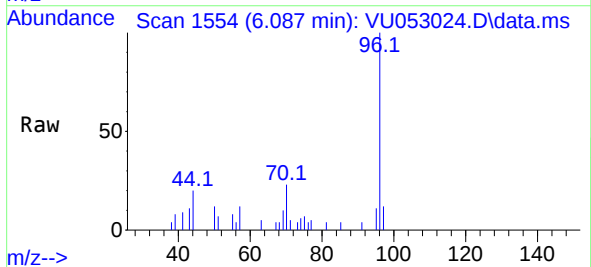
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L10-D-020723-FD

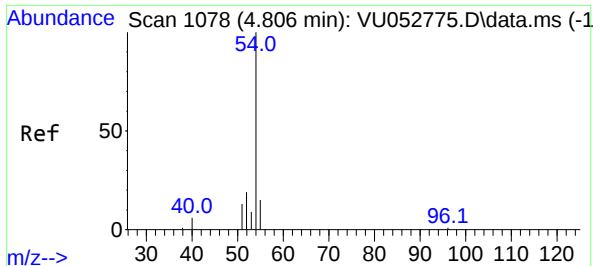
Tgt Ion: 59 Resp: 86
Ion Ratio Lower Upper
59 100
87 0.0 36.2 54.2#



#33
Tert-Amyl methyl ether
Concen: 0.002 ug/l
RT: 6.087 min Scan# 1554
Delta R.T. 0.142 min
Lab File: VU053024.D
Acq: 09 Feb 2023 18:22

Tgt Ion: 73 Resp: 42
Ion Ratio Lower Upper
73 100
87 0.0 20.1 30.1#
71 452.4 9.2 13.8#



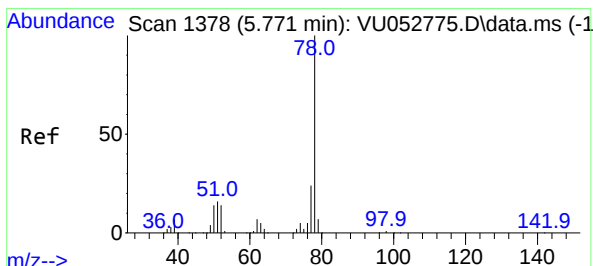
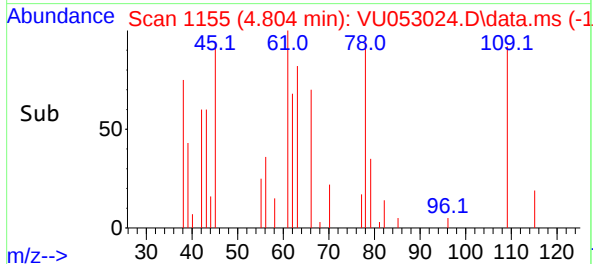
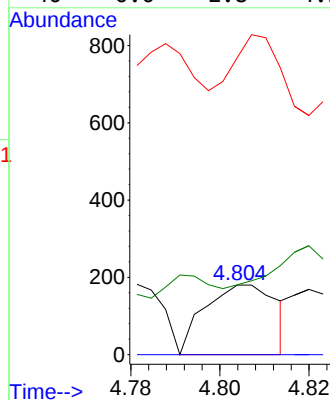
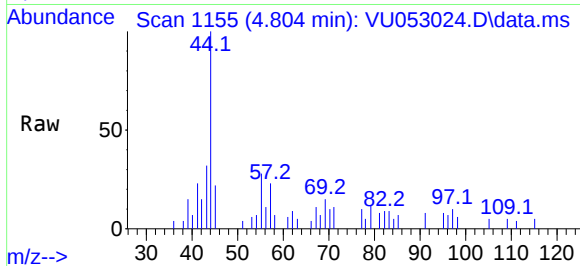


#34
 Propionitrile
 Concen: 0.326 ug/l
 RT: 4.804 min Scan# 1155
 Delta R.T. -0.002 min
 Lab File: VU053024.D
 Acq: 09 Feb 2023 18:22

Instrument :
 MSVOA_U
 ClientSampleId :
 PW-B6-L10-D-020723-FD

Tgt Ion: 54 Resp: 201

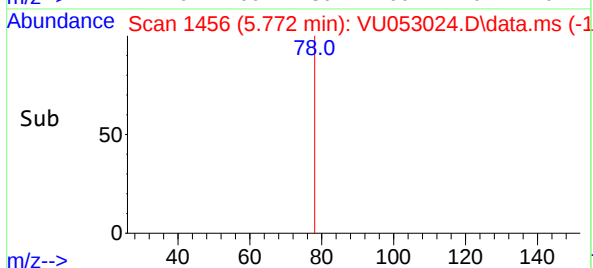
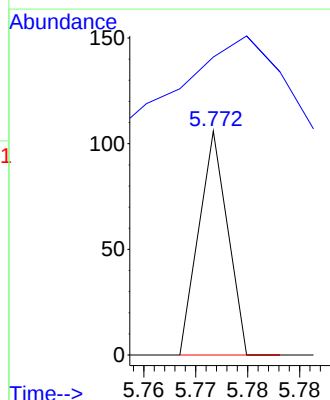
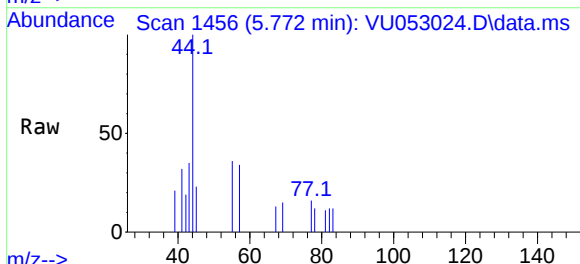
Ion	Ratio	Lower	Upper
54	100		
52	0.0	16.9	25.3#
55	76.6	118.6	178.0#
40	0.0	2.8	4.2#

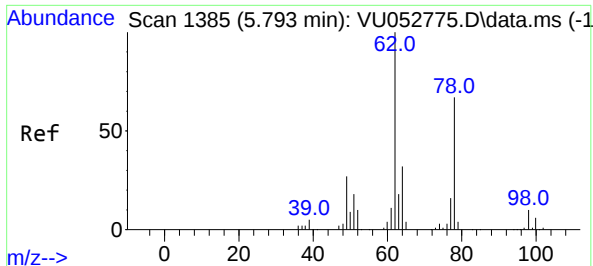


#35
 Benzene
 Concen: 0.001 ug/l
 RT: 5.772 min Scan# 1456
 Delta R.T. 0.001 min
 Lab File: VU053024.D
 Acq: 09 Feb 2023 18:22

Tgt Ion: 78 Resp: 20

Ion	Ratio	Lower	Upper
78	100		
77	14.2	19.0	28.4#

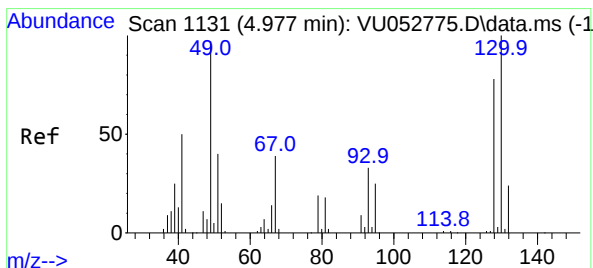
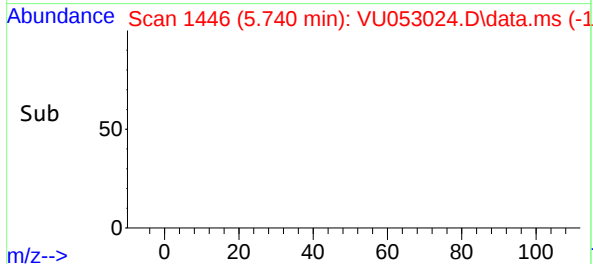
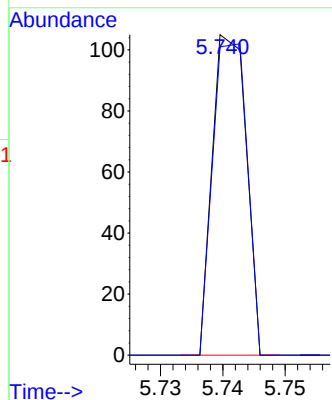
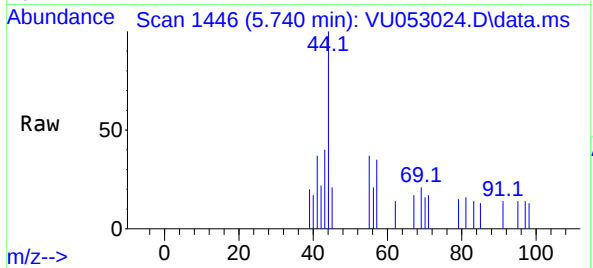




#36
1,2-Dichloroethane
Concen: 0.004 ug/l
RT: 5.740 min Scan# 14
Delta R.T. -0.054 min
Lab File: VU053024.D
Acq: 09 Feb 2023 18:22

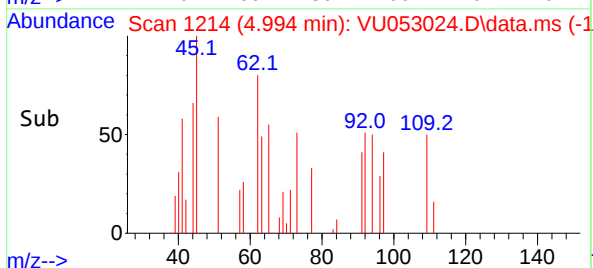
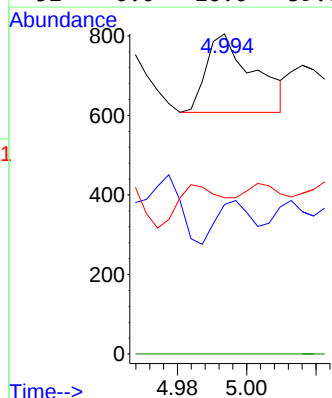
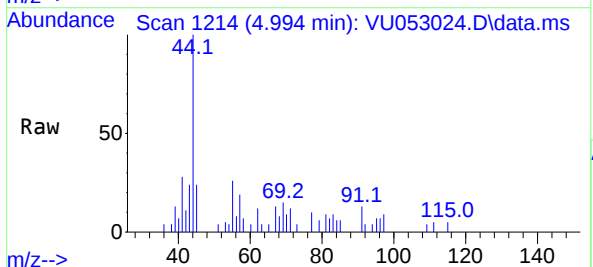
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L10-D-020723-FD

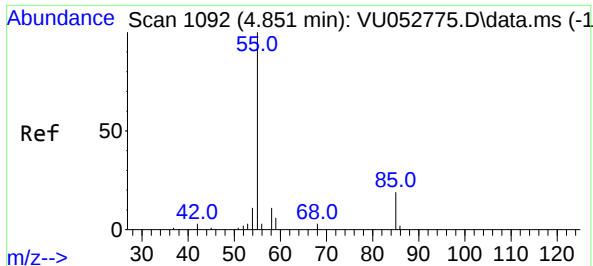
Tgt Ion: 62 Resp: 40
Ion Ratio Lower Upper
62 100
98 97.5 7.5 11.3#



#39
Methacrylonitrile
Concen: 0.076 ug/l
RT: 4.994 min Scan# 1214
Delta R.T. 0.017 min
Lab File: VU053024.D
Acq: 09 Feb 2023 18:22

Tgt Ion: 41 Resp: 187
Ion Ratio Lower Upper
41 100
67 40.1 64.9 97.3#
39 0.0 41.7 62.5#
52 0.0 26.0 39.0#



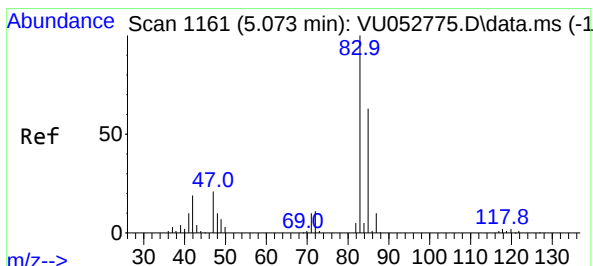
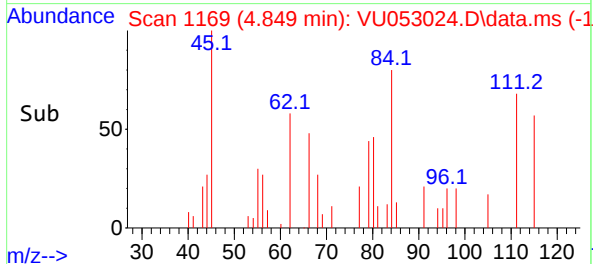
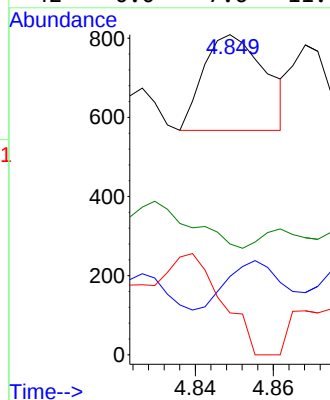
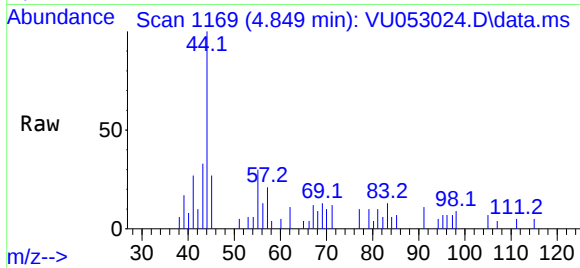


#40
Methyl acrylate
Concen: 0.061 ug/l
RT: 4.849 min Scan# 1169
Delta R.T. -0.002 min
Lab File: VU053024.D
Acq: 09 Feb 2023 18:22

Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L10-D-020723-FD

Tgt Ion: 55 Resp: 267

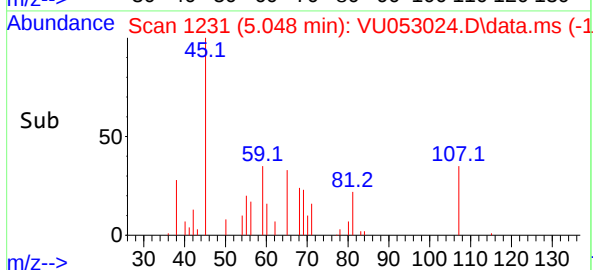
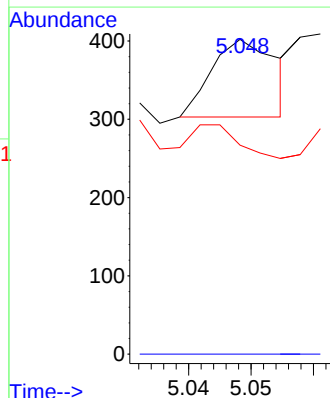
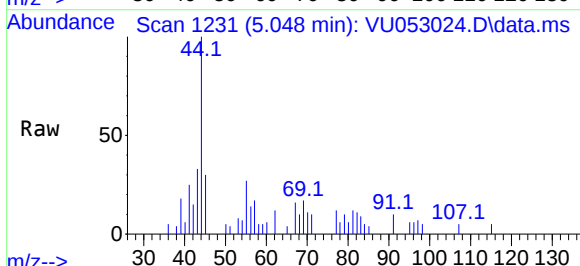
Ion	Ratio	Lower	Upper
55	100		
85	0.0	14.4	21.6#
58	92.5	7.3	10.9#
42	0.0	7.6	11.4#

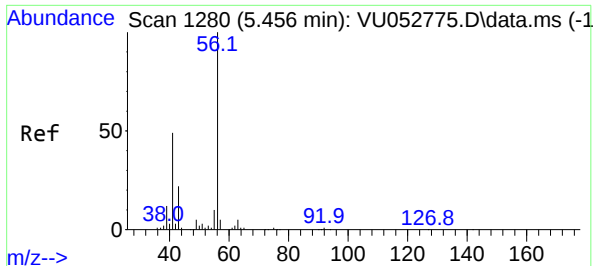


#41
Tetrahydrofuran
Concen: 0.058 ug/l
RT: 5.048 min Scan# 1231
Delta R.T. -0.025 min
Lab File: VU053024.D
Acq: 09 Feb 2023 18:22

Tgt Ion: 42 Resp: 71

Ion	Ratio	Lower	Upper
42	100		
72	0.0	49.1	73.7#
71	0.0	43.8	65.6#





#42

1-Chlorobutane

Concen: 0.010 ug/l

RT: 5.373 min Scan# 11

Delta R.T. -0.083 min

Lab File: VU053024.D

Acq: 09 Feb 2023 18:22

Instrument :

MSVOA_U

ClientSampleId :

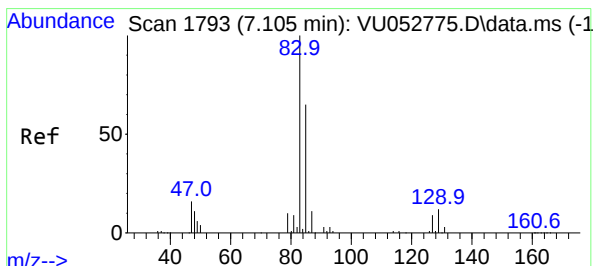
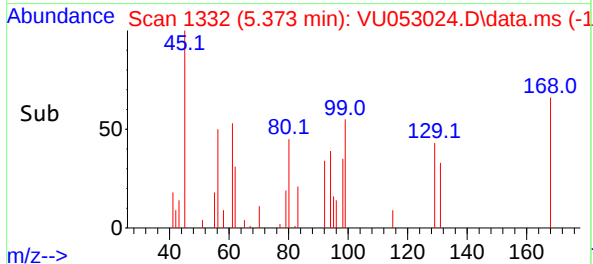
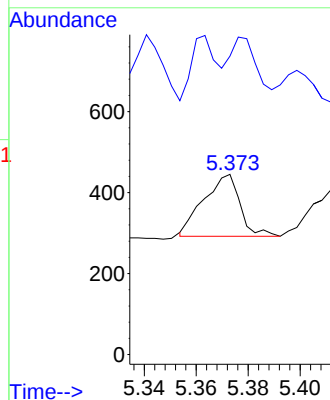
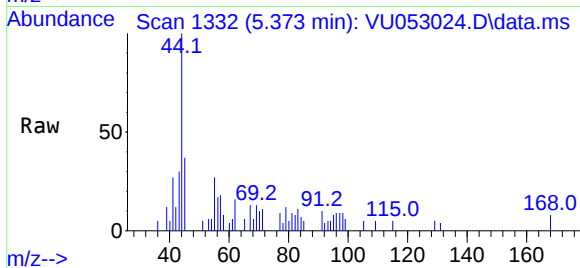
PW-B6-L10-D-020723-FD

Tgt Ion: 56 Resp: 148

Ion Ratio Lower Upper

56 100

41 71.6 24.5 73.5



#44

Bromodichloromethane

Concen: 0.004 ug/l

RT: 7.087 min Scan# 1865

Delta R.T. -0.018 min

Lab File: VU053024.D

Acq: 09 Feb 2023 18:22

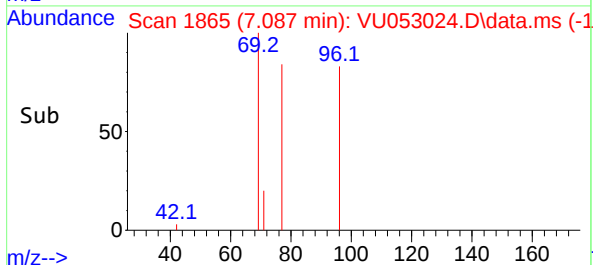
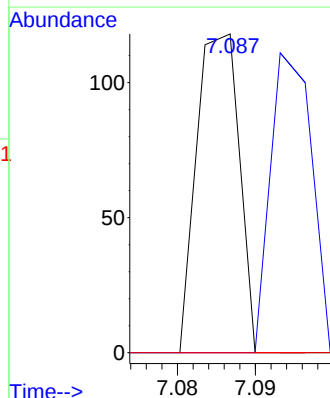
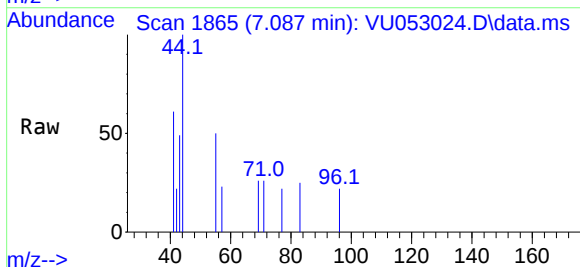
Tgt Ion: 83 Resp: 45

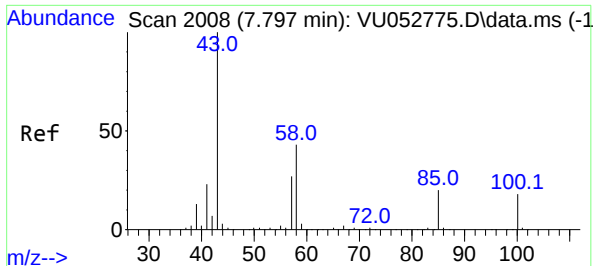
Ion Ratio Lower Upper

83 100

85 0.0 52.1 78.1#

127 0.0 7.2 10.8#

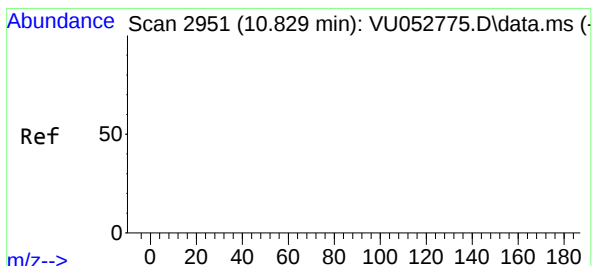
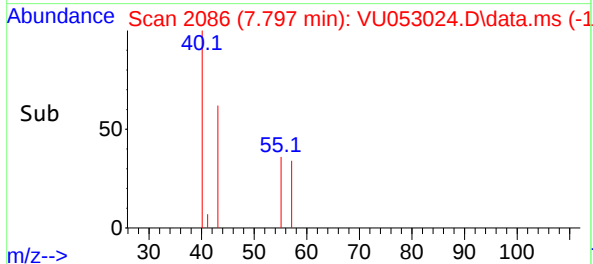
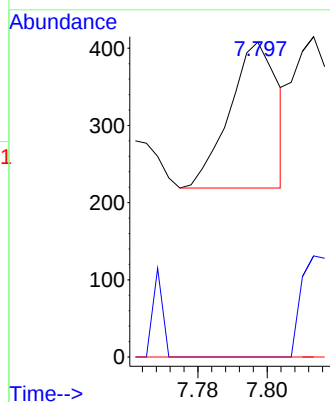
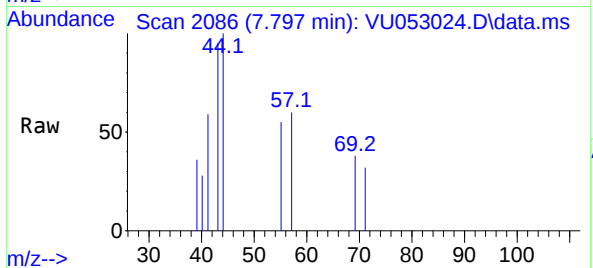




#45
4-Methyl-2-Pentanone
Concen: 0.038 ug/l
RT: 7.797 min Scan# 2008
Delta R.T. 0.001 min
Lab File: VU053024.D
Acq: 09 Feb 2023 18:22

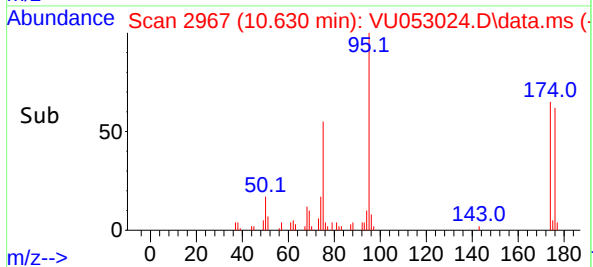
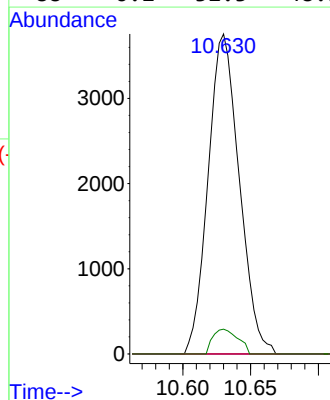
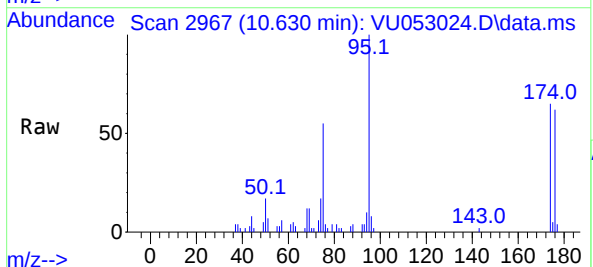
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L10-D-020723-FD

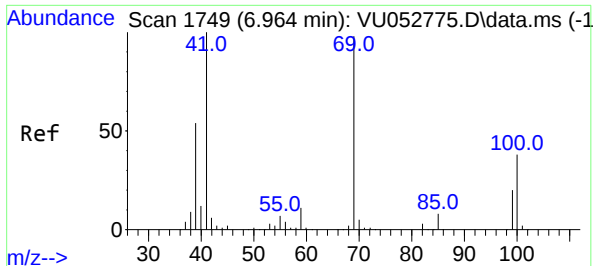
Tgt Ion:	43	Resp:	180
Ion	Ratio	Lower	Upper
43	100		
58	0.0	21.7	65.1#
85	0.0	16.2	24.4#



#46
t-1,4-Dichloro-2-butene
Concen: 2.423 ug/l
RT: 10.630 min Scan# 2967
Delta R.T. -0.199 min
Lab File: VU053024.D
Acq: 09 Feb 2023 18:22

Tgt Ion:	75	Resp:	6009
Ion	Ratio	Lower	Upper
75	100		
53	0.0	57.0	85.4#
89	0.0	41.1	61.7#
88	6.2	32.3	48.5#





#47

Methyl methacrylate

Concen: 0.028 ug/l

RT: 6.984 min Scan# 114

Delta R.T. 0.020 min

Lab File: VU053024.D

Acq: 09 Feb 2023 18:22

Instrument :

MSVOA_U

ClientSampleId :

PW-B6-L10-D-020723-FD

Tgt Ion: 69 Resp: 114

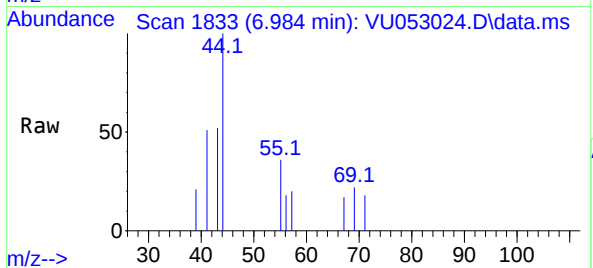
Ion Ratio Lower Upper

69 100

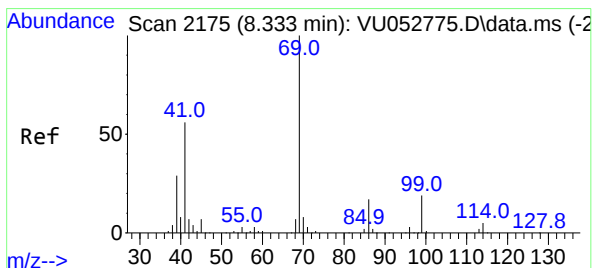
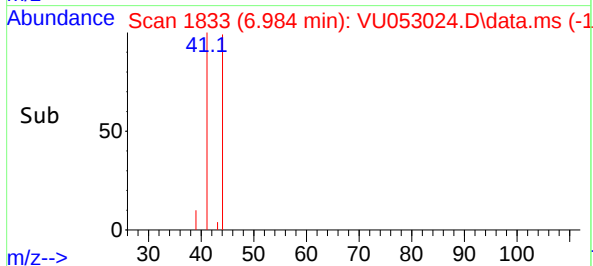
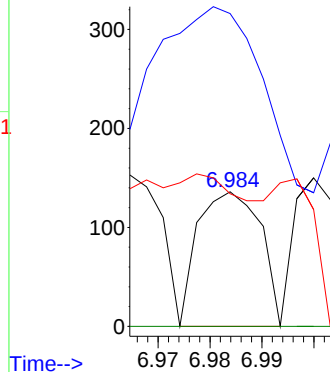
41 234.2 0.0 201.8#

39 210.5 44.0 66.0#

100 0.0 31.5 47.3#



Abundance



#48

Ethyl methacrylate

Concen: 0.021 ug/l

RT: 8.302 min Scan# 2243

Delta R.T. -0.031 min

Lab File: VU053024.D

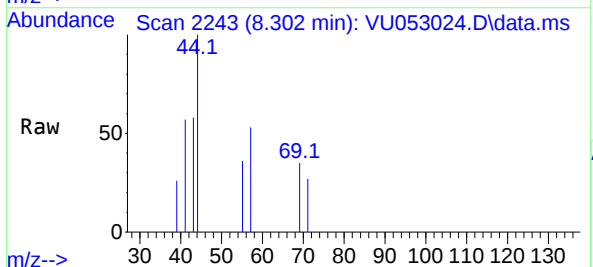
Acq: 09 Feb 2023 18:22

Tgt Ion: 69 Resp: 154

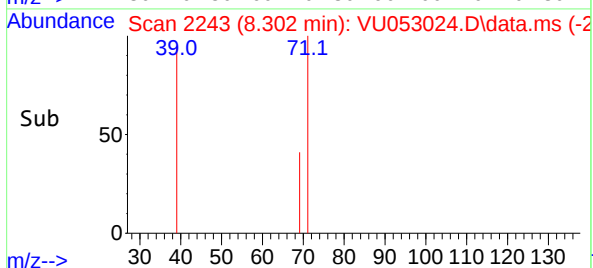
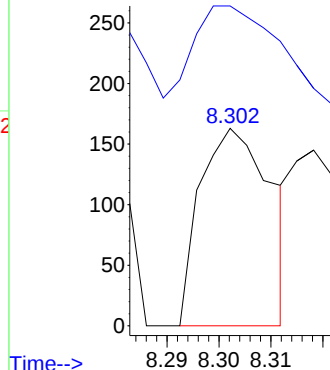
Ion Ratio Lower Upper

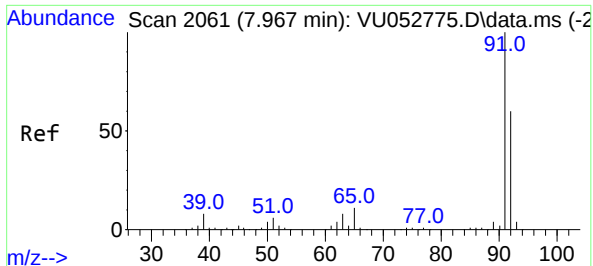
69 100

41 61.0 28.1 84.4



Abundance





#49

Toluene

Concen: 0.001 ug/l

RT: 7.968 min Scan# 2139

Delta R.T. 0.001 min

Lab File: VU053024.D

Acq: 09 Feb 2023 18:22

Instrument :

MSVOA_U

ClientSampleId :

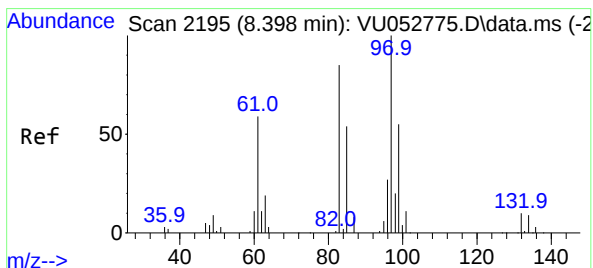
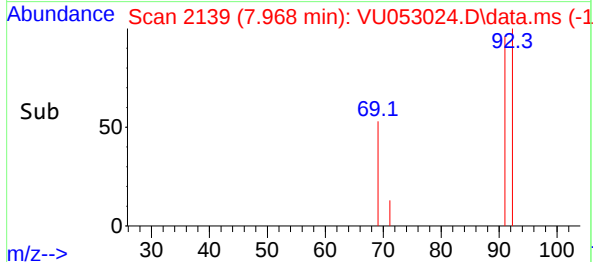
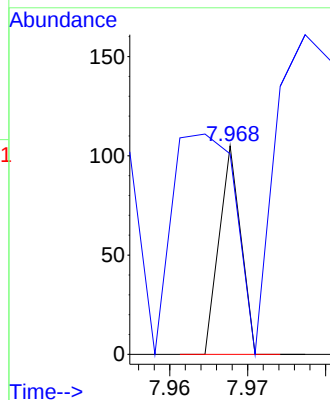
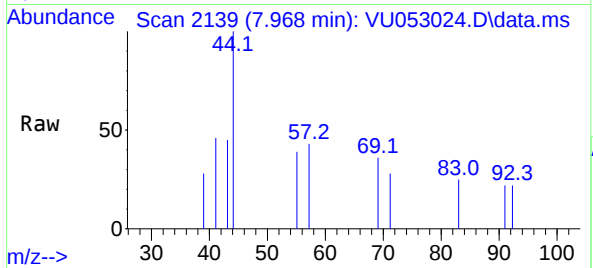
PW-B6-L10-D-020723-FD

Tgt Ion: 92 Resp: 20

Ion Ratio Lower Upper

92 100

91 310.0 133.8 200.8#



#52

1,1,2-Trichloroethane

Concen: 0.014 ug/l

RT: 8.428 min Scan# 2282

Delta R.T. 0.030 min

Lab File: VU053024.D

Acq: 09 Feb 2023 18:22

Tgt Ion: 97 Resp: 88

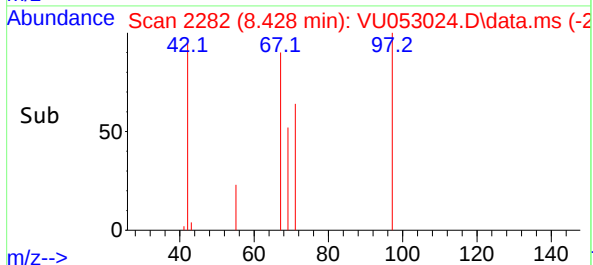
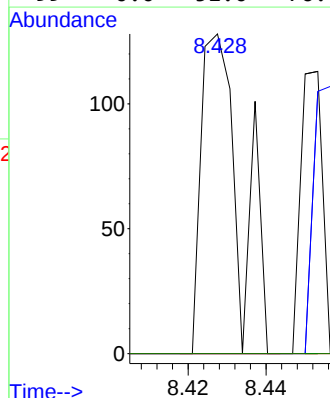
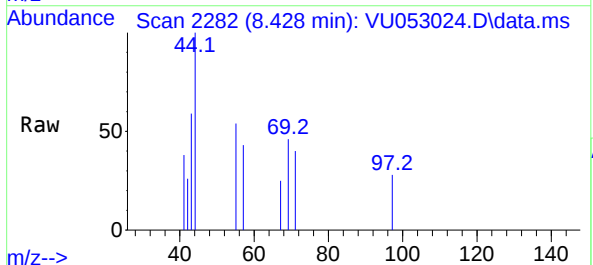
Ion Ratio Lower Upper

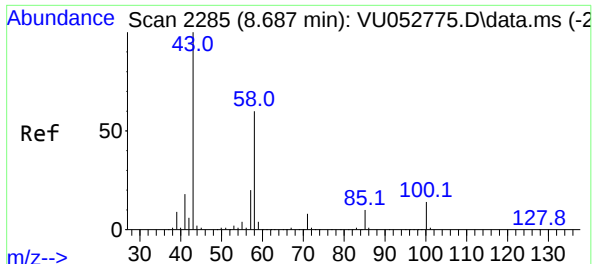
97 100

83 0.0 68.2 102.2#

85 0.0 44.5 66.7#

99 0.0 51.0 76.4#



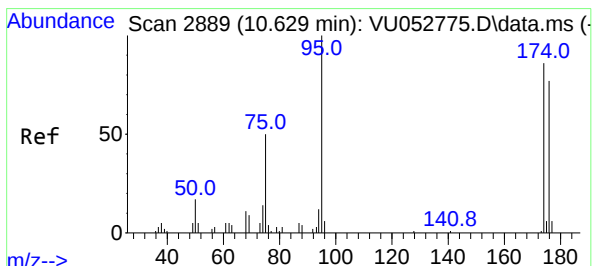
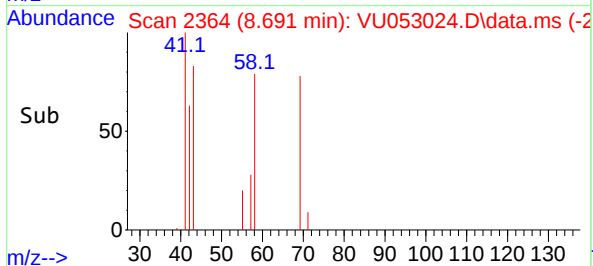
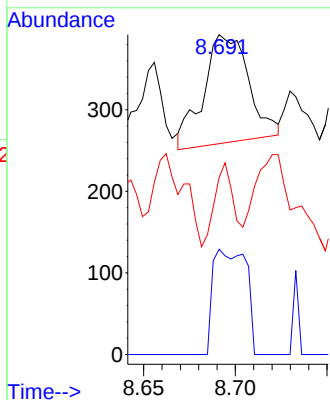
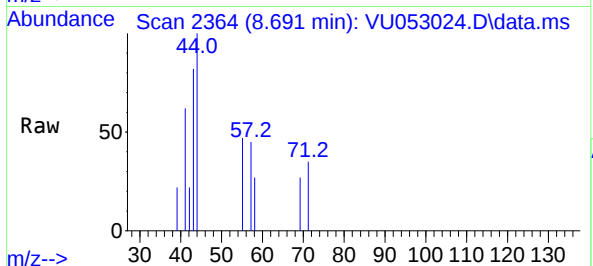


#54
2-Hexanone
Concen: 0.055 ug/l
RT: 8.691 min Scan# 21
Delta R.T. 0.004 min
Lab File: VU053024.D
Acq: 09 Feb 2023 18:22

Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L10-D-020723-FD

Tgt Ion: 43 Resp: 228

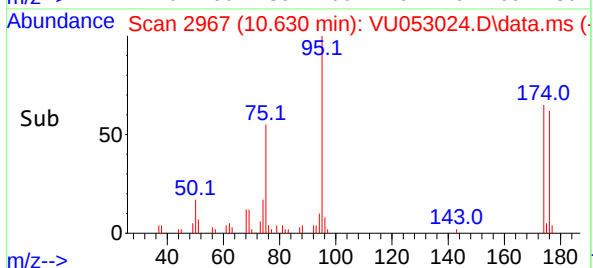
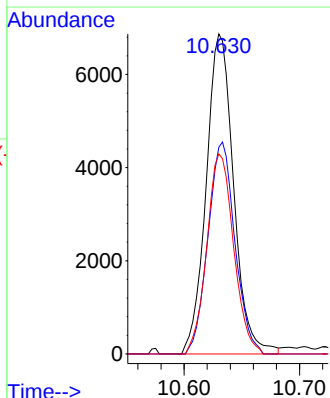
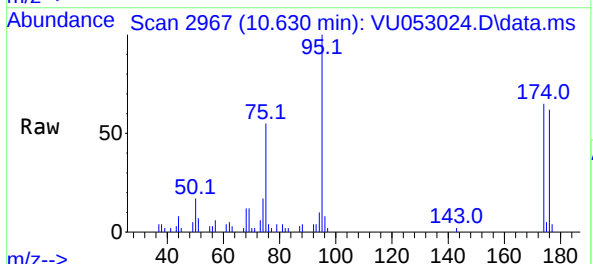
Ion	Ratio	Lower	Upper
43	100		
58	70.6	40.0	80.0
57	32.0	0.6	40.6

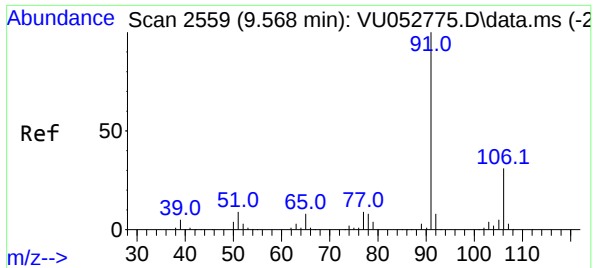


#57
4-Bromofluorobenzene
Concen: 1.035 ug/l
RT: 10.630 min Scan# 2967
Delta R.T. 0.001 min
Lab File: VU053024.D
Acq: 09 Feb 2023 18:22

Tgt Ion: 95 Resp: 11366

Ion	Ratio	Lower	Upper
95	100		
174	64.9	66.9	100.3#
176	61.0	61.9	92.9#

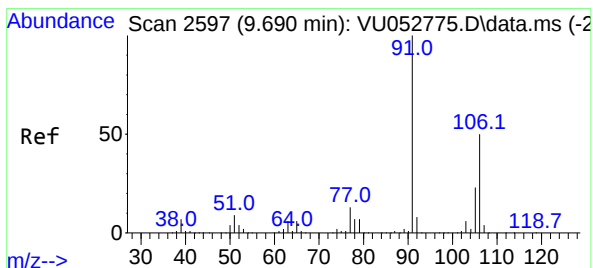
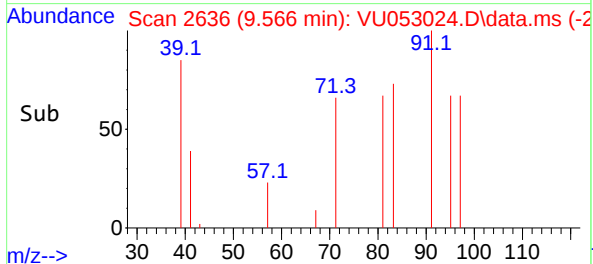
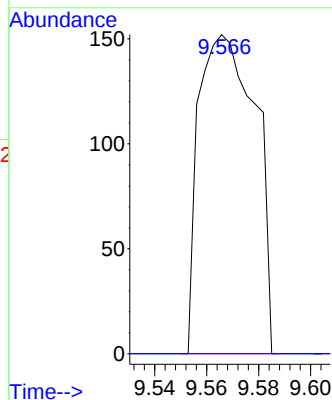
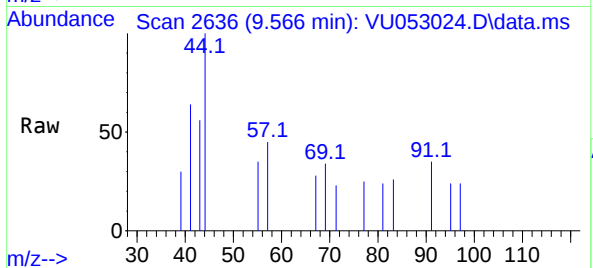




#63
Ethyl Benzene
Concen: 0.006 ug/l
RT: 9.566 min Scan# 2636
Delta R.T. -0.002 min
Lab File: VU053024.D
Acq: 09 Feb 2023 18:22

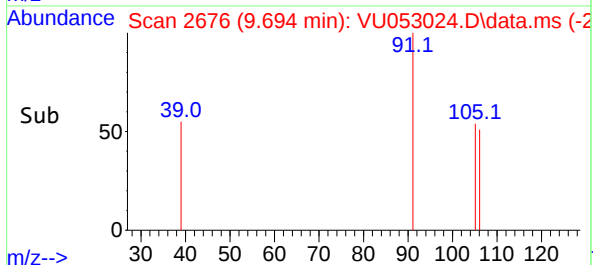
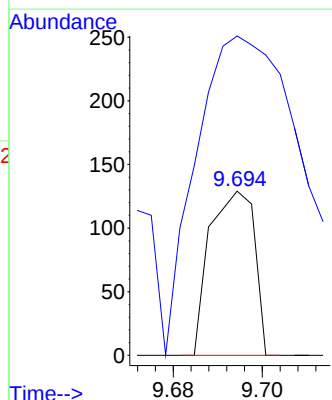
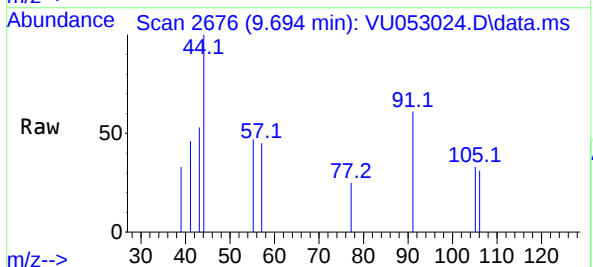
Instrument : MSVOA_U
ClientSampleId : PW-B6-L10-D-020723-FD

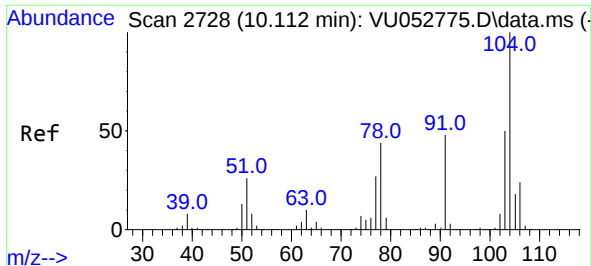
Tgt Ion: 91 Resp: 230
Ion Ratio Lower Upper
91 100
106 0.0 25.1 37.7#



#64
m/p-Xylenes
Concen: 0.006 ug/l
RT: 9.694 min Scan# 2676
Delta R.T. 0.004 min
Lab File: VU053024.D
Acq: 09 Feb 2023 18:22

Tgt Ion: 106 Resp: 89
Ion Ratio Lower Upper
106 100
91 448.3 158.7 238.1#

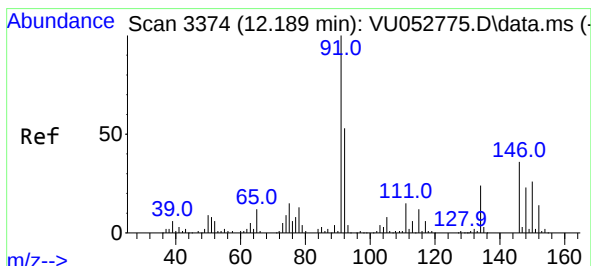
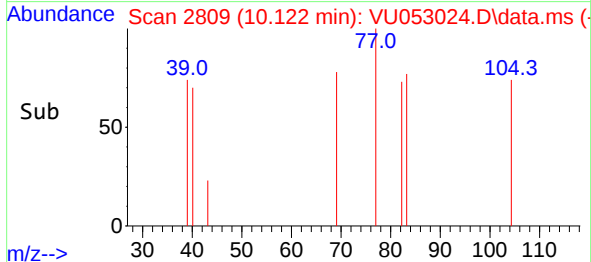
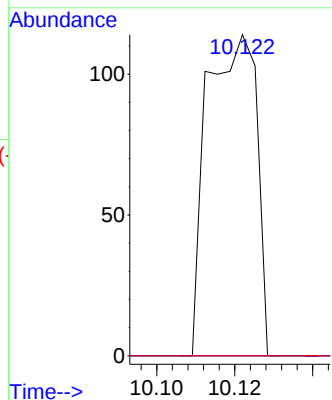
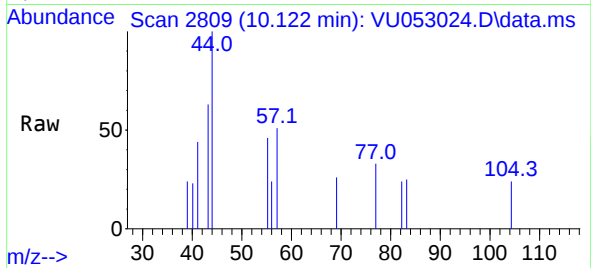




#66
Styrene
Concen: 0.424 ug/l
RT: 10.122 min Scan# 21
Delta R.T. 0.010 min
Lab File: VU053024.D
Acq: 09 Feb 2023 18:22

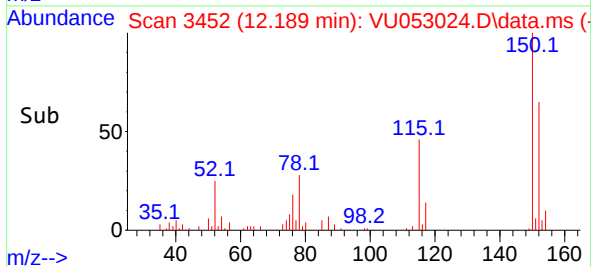
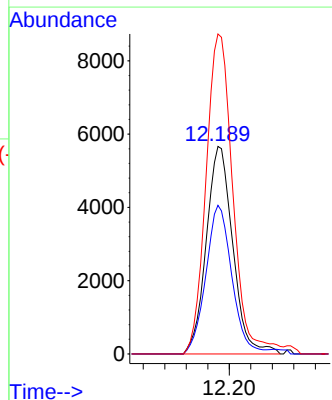
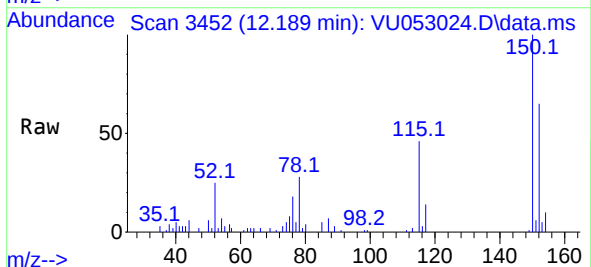
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L10-D-020723-FD

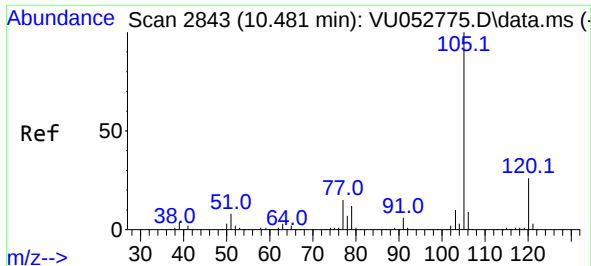
Tgt Ion:104 Resp: 100
Ion Ratio Lower Upper
104 100
78 0.0 39.6 59.4#
103 0.0 42.9 64.3#



#68
1,2-Dichlorobenzene-d4
Concen: 0.858 ug/l
RT: 12.189 min Scan# 3452
Delta R.T. 0.001 min
Lab File: VU053024.D
Acq: 09 Feb 2023 18:22

Tgt Ion:152 Resp: 9699
Ion Ratio Lower Upper
152 100
115 70.2 0.0 262.6
150 155.7 0.0 638.0

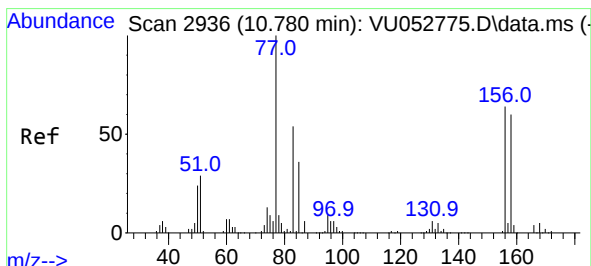
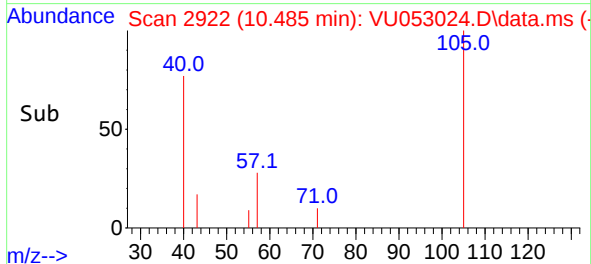
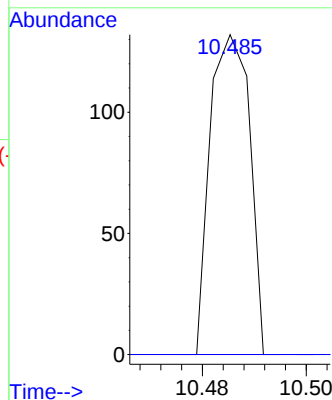
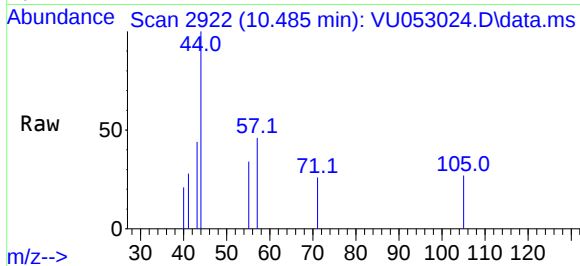




#69
Isopropylbenzene
Concen: 0.002 ug/l
RT: 10.485 min Scan# 29
Delta R.T. 0.004 min
Lab File: VU053024.D
Acq: 09 Feb 2023 18:22

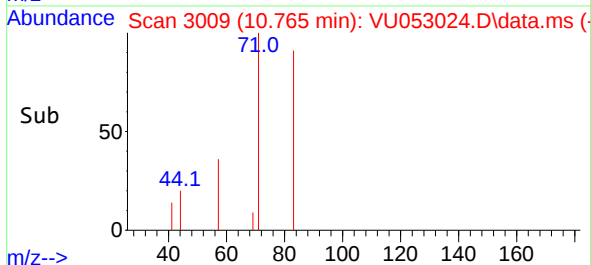
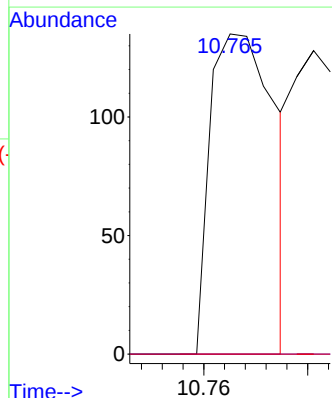
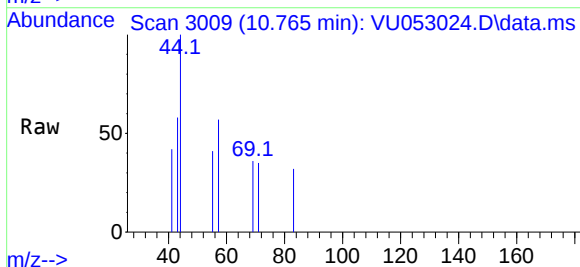
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L10-D-020723-FD

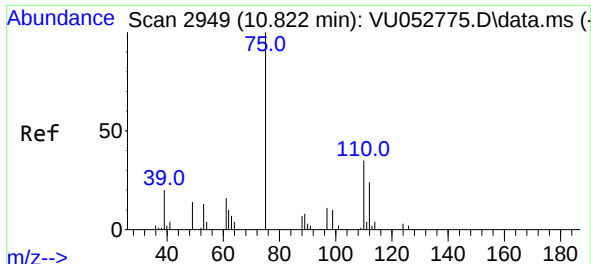
Tgt Ion:105 Resp: 70
Ion Ratio Lower Upper
105 100
120 0.0 13.3 39.9#



#70
1,1,2,2-Tetrachloroethane
Concen: 0.015 ug/l
RT: 10.765 min Scan# 3009
Delta R.T. -0.015 min
Lab File: VU053024.D
Acq: 09 Feb 2023 18:22

Tgt Ion: 83 Resp: 117
Ion Ratio Lower Upper
83 100
131 0.0 8.6 13.0#
85 0.0 52.6 78.8#

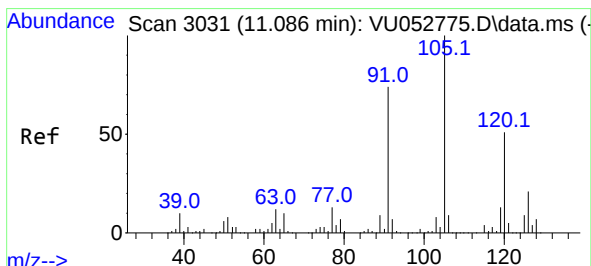
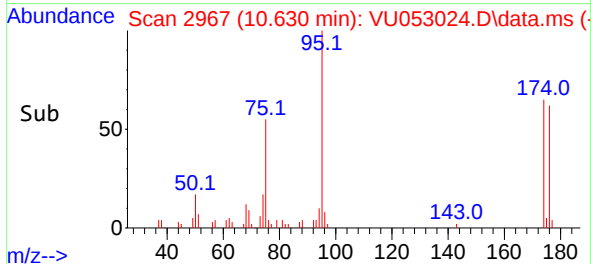
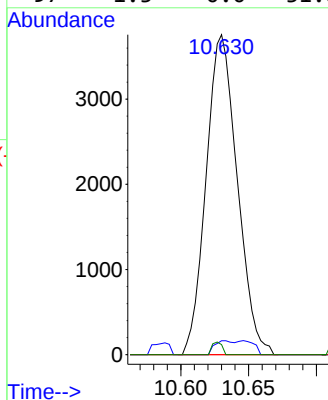
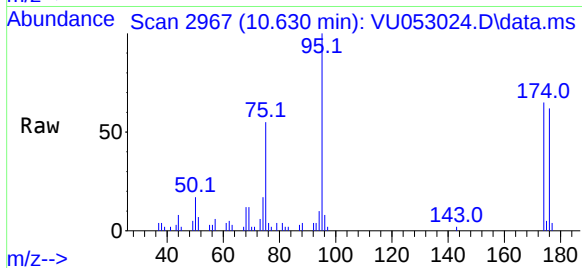




#71
1,2,3-Trichloropropane
Concen: 0.870 ug/l
RT: 10.630 min Scan# 2949
Delta R.T. -0.192 min
Lab File: VU053024.D
Acq: 09 Feb 2023 18:22

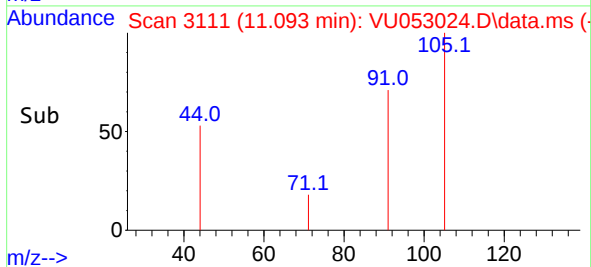
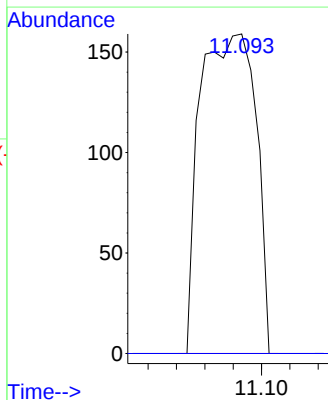
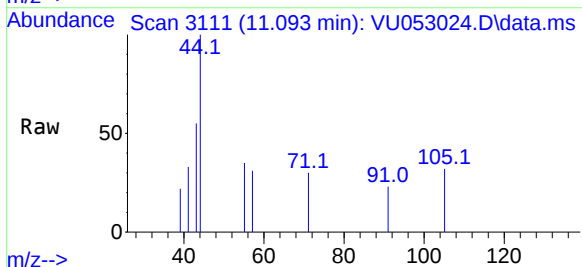
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L10-D-020723-FD

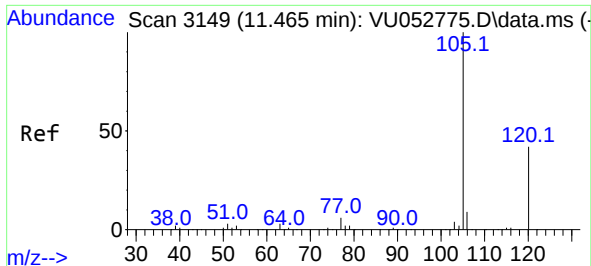
Tgt Ion:	75	Resp:	6009
Ion	Ratio	Lower	Upper
75	100		
77	2.7	0.0	86.0
110	0.0	0.0	63.8
97	1.3	0.0	31.8



#75
1,3,5-Trimethylbenzene
Concen: 0.425 ug/l
RT: 11.093 min Scan# 3111
Delta R.T. 0.007 min
Lab File: VU053024.D
Acq: 09 Feb 2023 18:22

Tgt Ion:	105	Resp:	216
Ion	Ratio	Lower	Upper
105	100		
120	0.0	39.9	59.9

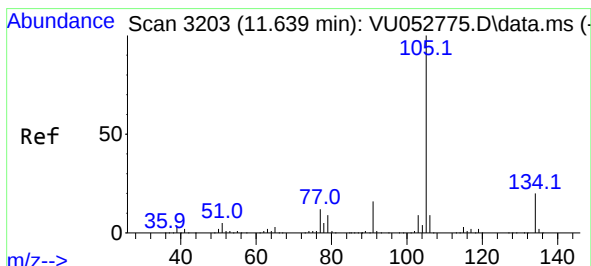
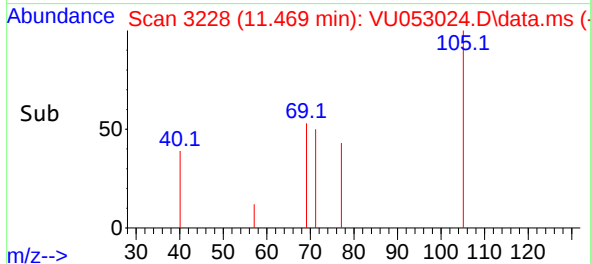
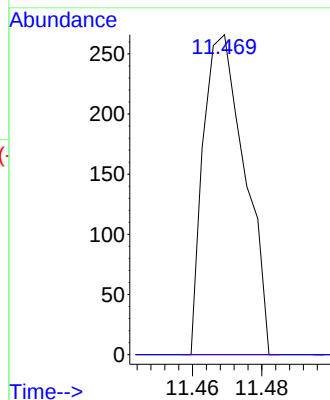
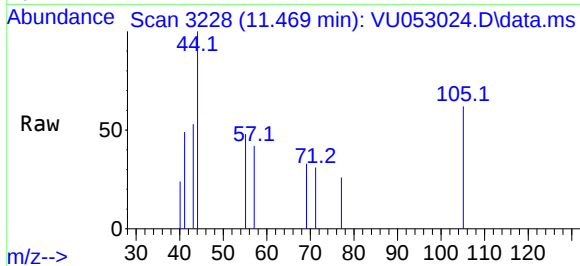




#78
 1,2,4-Trimethylbenzene
 Concen: 0.460 ug/l
 RT: 11.469 min Scan# 3149
 Delta R.T. 0.004 min
 Lab File: VU053024.D
 Acq: 09 Feb 2023 18:22

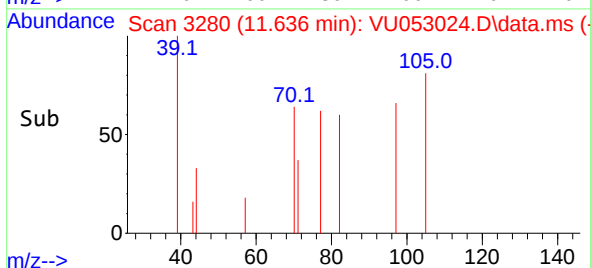
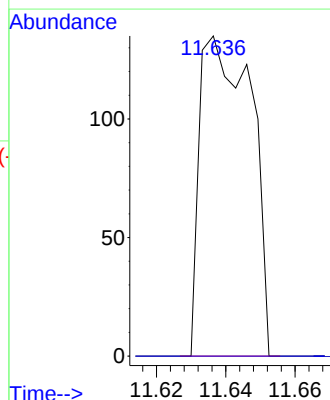
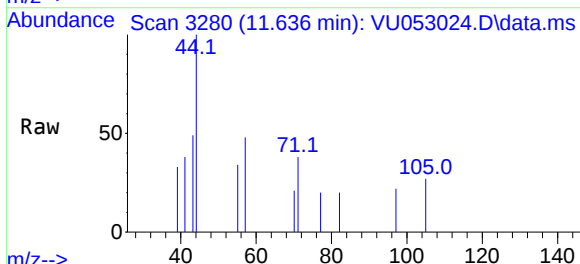
Instrument : MSVOA_U
 ClientSampleId : PW-B6-L10-D-020723-FD

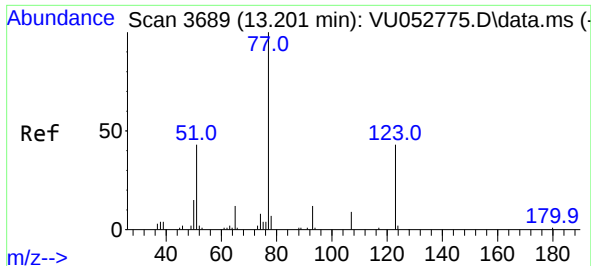
Tgt Ion:105 Resp: 221
 Ion Ratio Lower Upper
 105 100
 120 0.0 23.4 70.3#



#79
 sec-Butylbenzene
 Concen: 0.432 ug/l
 RT: 11.636 min Scan# 3280
 Delta R.T. -0.003 min
 Lab File: VU053024.D
 Acq: 09 Feb 2023 18:22

Tgt Ion:105 Resp: 138
 Ion Ratio Lower Upper
 105 100
 134 0.0 16.5 24.7#

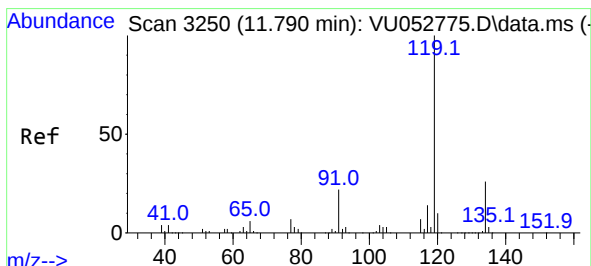
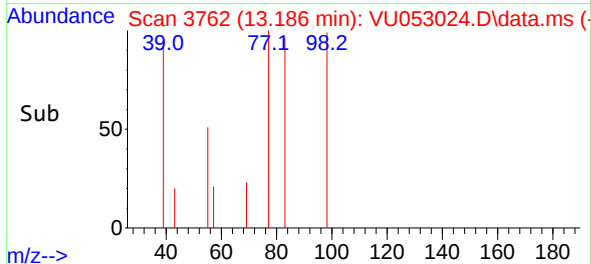
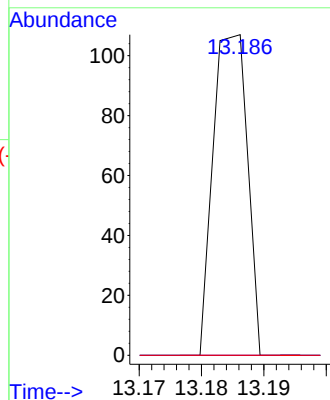
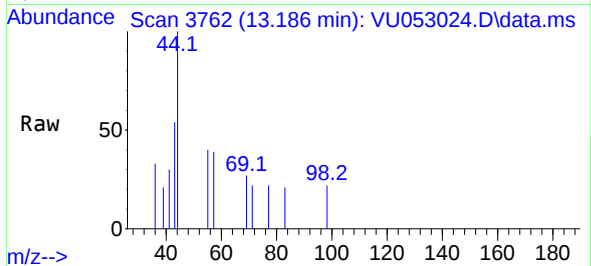




#80
Nitrobenzene
Concen: 0.083 ug/l
RT: 13.186 min Scan# 31
Delta R.T. -0.015 min
Lab File: VU053024.D
Acq: 09 Feb 2023 18:22

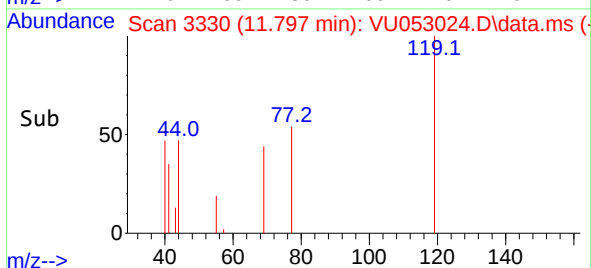
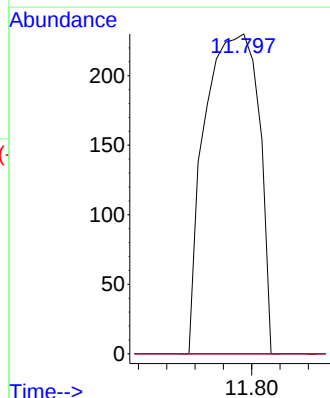
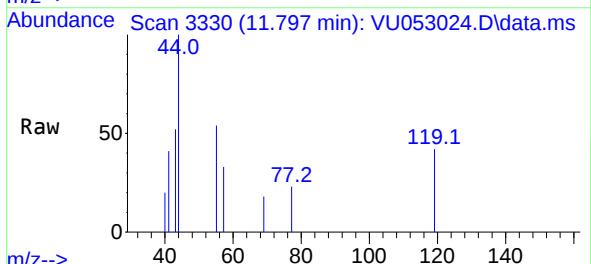
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L10-D-020723-FD

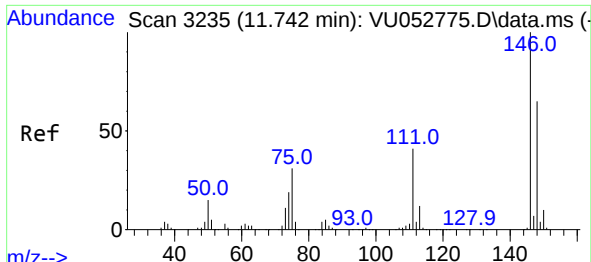
Tgt Ion:	77	Resp:	41
Ion	Ratio	Lower	Upper
77	100		
123	0.0	18.8	66.8#
65	0.0	10.1	12.9#



#81
p-Isopropyltoluene
Concen: 0.491 ug/l
RT: 11.797 min Scan# 3330
Delta R.T. 0.007 min
Lab File: VU053024.D
Acq: 09 Feb 2023 18:22

Tgt Ion:	119	Resp:	304
Ion	Ratio	Lower	Upper
119	100		
134	0.0	20.7	31.1#
91	14.1	17.6	26.4#





#82

1,3-Dichlorobenzene

Concen: 0.002 ug/l

RT: 11.743 min Scan# 31

Delta R.T. 0.001 min

Lab File: VU053024.D

Acq: 09 Feb 2023 18:22

Instrument :

MSVOA_U

ClientSampleId :

PW-B6-L10-D-020723-FD

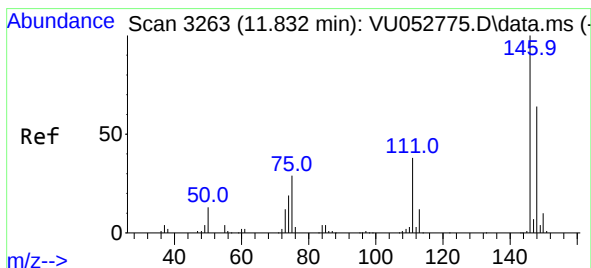
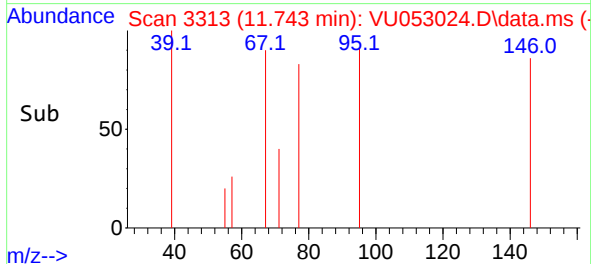
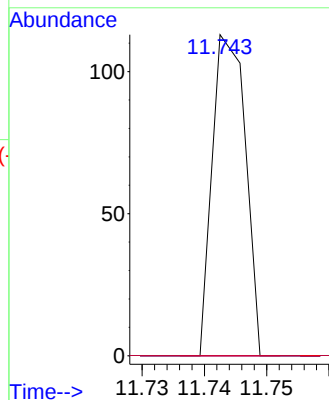
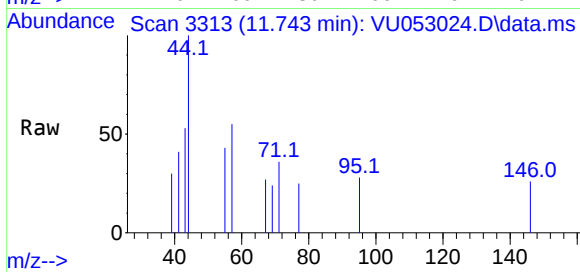
Tgt Ion:146 Resp: 42

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: 0.006 ug/l

RT: 11.839 min Scan# 3343

Delta R.T. 0.007 min

Lab File: VU053024.D

Acq: 09 Feb 2023 18:22

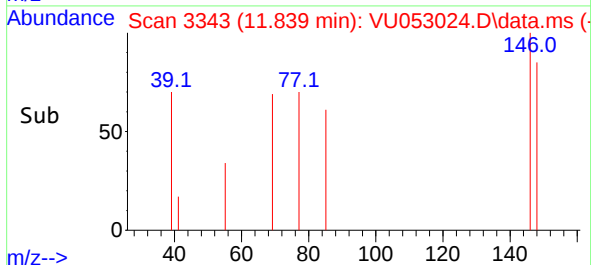
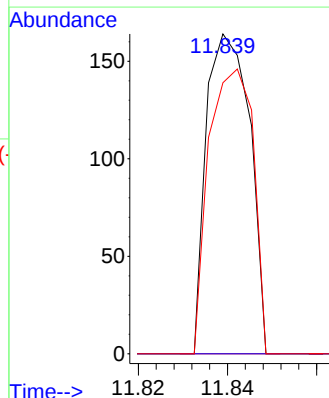
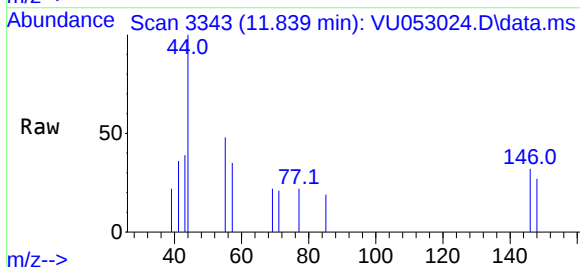
Tgt Ion:146 Resp: 111

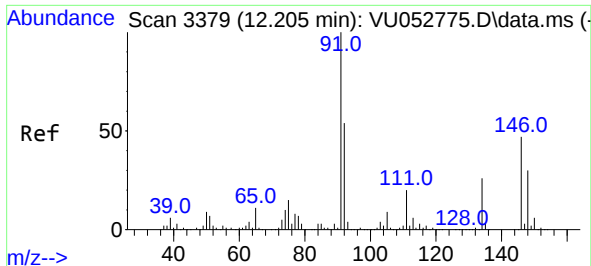
Ion Ratio Lower Upper

146 100

111 0.0 29.5 44.3#

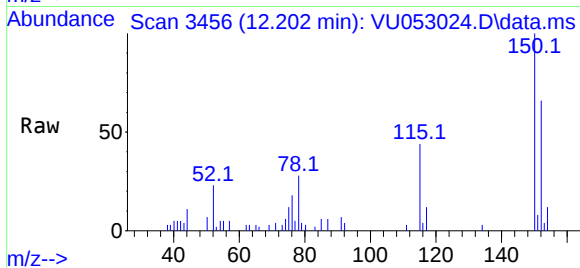
148 90.1 51.4 77.0#



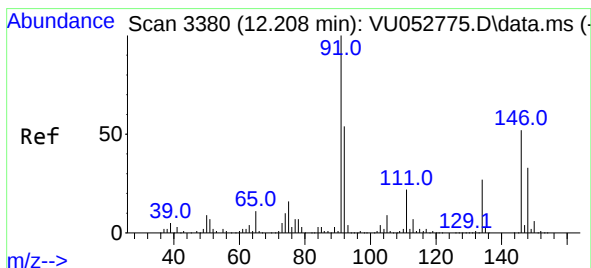
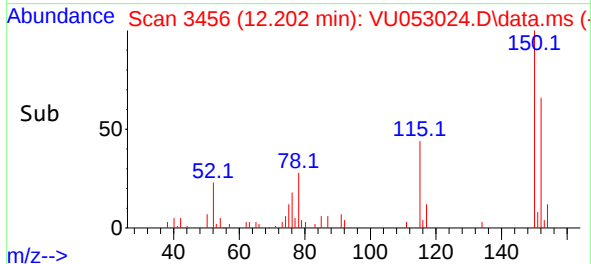
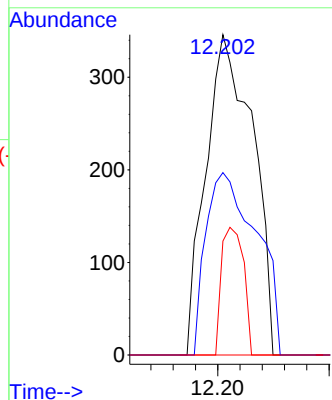


#84
n-Butylbenzene
Concen: 0.567 ug/l
RT: 12.202 min Scan# 3456
Delta R.T. -0.003 min
Lab File: VU053024.D
Acq: 09 Feb 2023 18:22

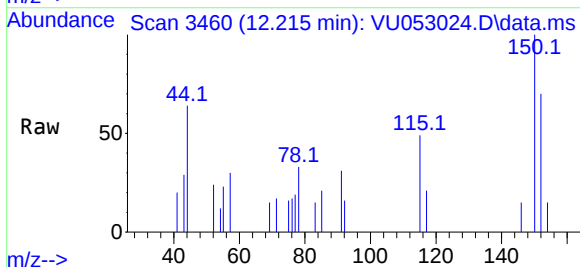
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L10-D-020723-FD



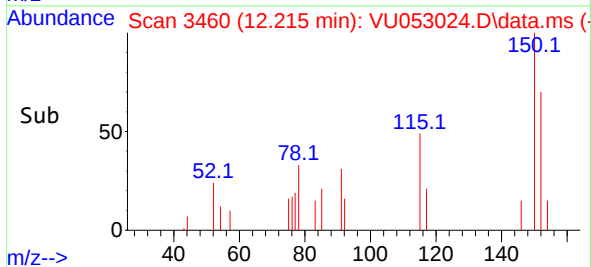
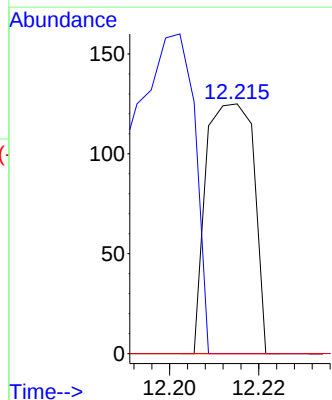
Tgt Ion: 91	Resp:	506
Ion	Ratio	Lower Upper
91	100	
92	61.9	43.4 65.0
134	18.8	21.2 31.8#

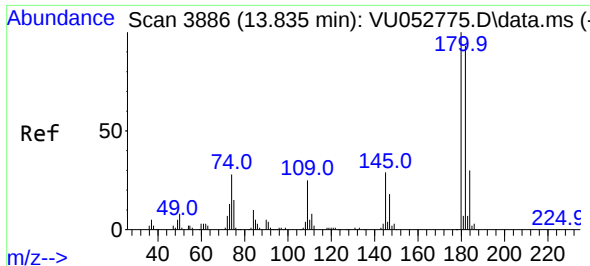


#85
1,2-Dichlorobenzene
Concen: 0.005 ug/l
RT: 12.215 min Scan# 3460
Delta R.T. 0.007 min
Lab File: VU053024.D
Acq: 09 Feb 2023 18:22



Tgt Ion: 146	Resp:	92
Ion	Ratio	Lower Upper
146	100	
111	168.5	20.8 62.5#
148	0.0	31.4 94.2#

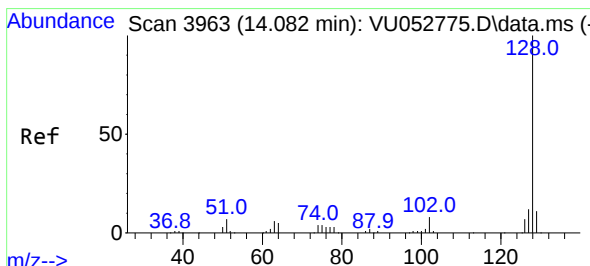
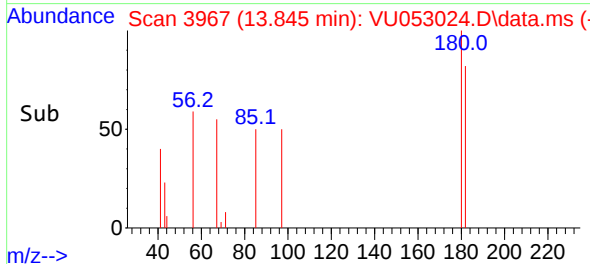
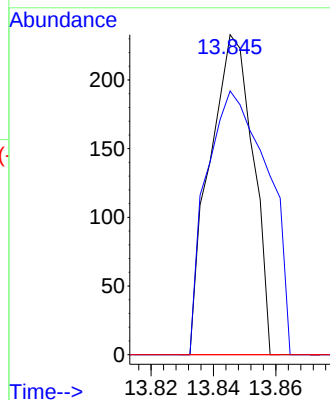
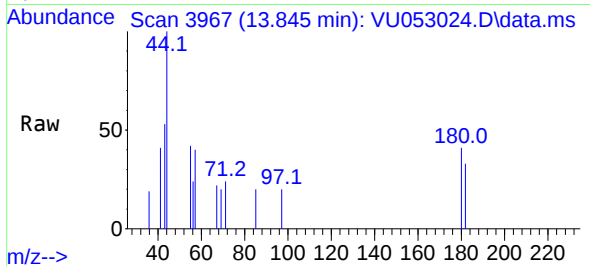




#87
1,2,4-Trichlorobenzene
Concen: 0.021 ug/l
RT: 13.845 min Scan# 3967
Delta R.T. 0.010 min
Lab File: VU053024.D
Acq: 09 Feb 2023 18:22

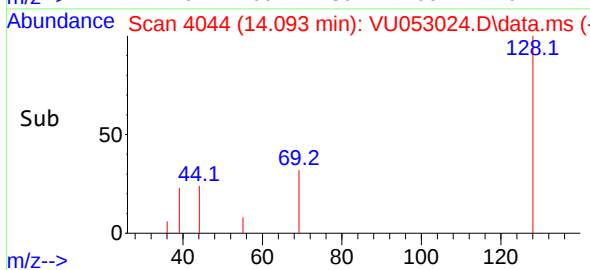
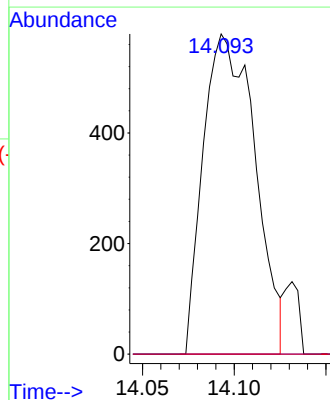
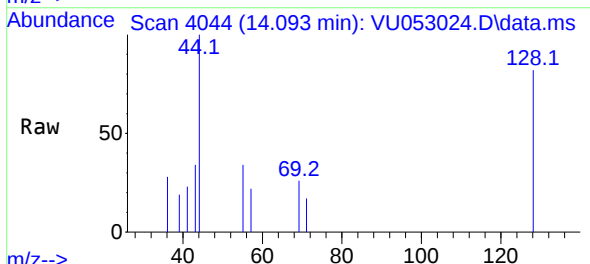
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L10-D-020723-FD

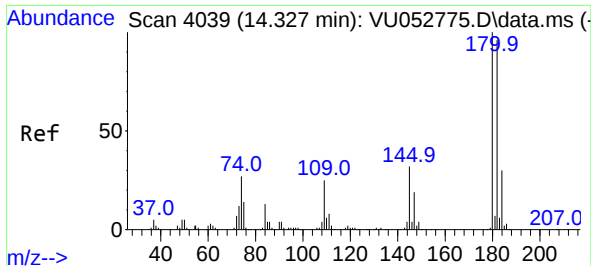
Tgt Ion:180 Resp: 224
Ion Ratio Lower Upper
180 100
182 117.0 74.6 112.0#
145 0.0 23.4 35.0#



#89
Naphthalene
Concen: 0.054 ug/l
RT: 14.093 min Scan# 4044
Delta R.T. 0.010 min
Lab File: VU053024.D
Acq: 09 Feb 2023 18:22

Tgt Ion:128 Resp: 1135
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.6 12.8#





#90

1,2,3-Trichlorobenzene

Concen: 0.025 ug/l

RT: 14.328 min Scan# 4117

Delta R.T. 0.001 min

Lab File: VU053024.D

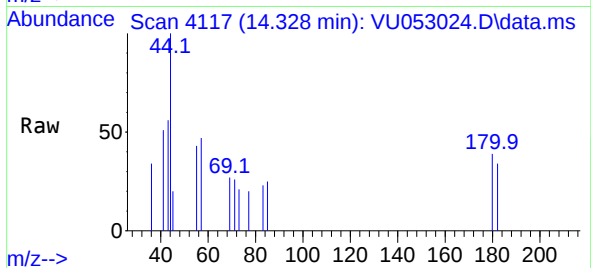
Acq: 09 Feb 2023 18:22

Instrument :

MSVOA_U

ClientSampleId :

PW-B6-L10-D-020723-FD



Tgt Ion:180 Resp: 259

Ion Ratio Lower Upper

180 100

182 71.8 77.8 116.6#

145 0.0 25.2 37.8#

