

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020923\
 Data File : VU053023.D
 Acq On : 09 Feb 2023 17:51
 Operator : JC/MD
 Sample : 01479-02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Feb 10 01:22:53 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	33475	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	11300	1.015	ug/l	0.00
Spiked Amount	1.000		Recovery	=	101.000%	
68) 1,2-Dichlorobenzene-d4	12.189	152	9571	0.836	ug/l	0.00
Spiked Amount	1.000		Recovery	=	84.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	136	0.012	ug/l	# 43
3) Chloromethane	1.521	50	797	0.074	ug/l	92
4) Vinyl Chloride	1.717	62	42	0.004	ug/l	# 42
5) Bromomethane	1.865	94	251	0.047	ug/l	# 69
6) Chloroethane	1.978	64	96	0.015	ug/l	# 41
9) 1,1-Dichloroethene	2.585	96	163	0.021	ug/l	15
10) Iodomethane	2.717	142	207	0.024	ug/l	# 63
11) Allyl Chloride	2.900	41	406	0.043	ug/l	# 55
12) Acrylonitrile	3.322	53	47	0.028	ug/l	# 9
13) Acetone	2.646	43	105	0.045	ug/l	# 39
14) Carbon Disulfide	3.003	76	124	0.005	ug/l	95
15) Methylene Chloride	3.039	84	1814	0.192	ug/l	91
16) trans-1,2-Dichloroethene	3.338	96	245	0.028	ug/l	# 69
17) 1,1-Dichloroethane	3.846	63	42	0.003	ug/l	# 9
18) 2-Butanone	4.743	43	403	0.148	ug/l	90
19) Cyclohexane	5.389	56	95	0.007	ug/l	# 12
20) Methylcyclohexane	6.756	83	123	0.009	ug/l	# 78
21) 2,2-Dichloropropane	4.666	77	84	0.006	ug/l	# 1
22) cis-1,2-Dichloroethene	4.666	96	36	0.004	ug/l	# 1
23) Diethyl Ether	2.360	59	83	0.015	ug/l	# 3
24) tert-Butyl Alcohol	3.306	59	73	0.110	ug/l	# 18
25) Methyl tert-Butyl Ether	3.363	73	175	0.010	ug/l	# 1
26) Bromochloromethane	4.971	128	62	0.015	ug/l	# 1
27) Chloroform	5.087	83	211	0.013	ug/l	52
28) 1,1,1-Trichloroethane	5.318	97	99	0.007	ug/l	# 1
29) 1,1-Dichloropropene	5.354	75	20	0.002	ug/l	# 1
30) Carbon Tetrachloride	5.376	117	149	0.011	ug/l	# 12
31) Isopropyl Ether	4.019	45	37	0.002	ug/l	93
32) Ethyl-t-butyl ether	4.492	59	40	0.002	ug/l	# 31
33) Tert-Amyl methyl ether	6.106	73	498	0.029	ug/l	# 20
34) Propionitrile	4.823	54	145	0.232	ug/l	# 8
35) Benzene	5.772	78	135	0.004	ug/l	# 52
36) 1,2-Dichloroethane	5.781	62	62	0.006	ug/l	# 1
39) Methacrylonitrile	4.977	41	92	0.037	ug/l	# 23
40) Methyl acrylate	4.839	55	206	0.047	ug/l	# 1
41) Tetrahydrofuran	5.090	42	268	0.216	ug/l	# 52
42) 1-Chlorobutane	5.579	56	177	0.011	ug/l	83
44) Bromodichloromethane	7.129	83	86	0.007	ug/l	# 25
45) 4-Methyl-2-Pentanone	7.813	43	550	0.115	ug/l	# 67
46) t-1,4-Dichloro-2-butene	10.633	75	5762	2.292	ug/l	# 25
47) Methyl methacrylate	6.952	69	271	0.067	ug/l	# 25
48) Ethyl methacrylate	8.264	69	113	0.015	ug/l	98
52) 1,1,2-Trichloroethane	8.376	97	111	0.017	ug/l	# 59

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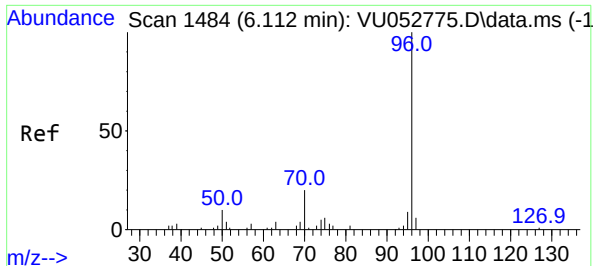
Instrument :
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

54) 2-Hexanone	8.698	43	300	0.072	ug/l #	51
59) Chlorobenzene	9.450	112	226	0.010	ug/l #	43
63) Ethyl Benzene	9.566	91	444	0.012	ug/l #	43
64) m/p-Xylenes	9.694	106	348	0.023	ug/l	76
65) o-Xylene	10.099	106	63	0.004	ug/l #	1
66) Styrene	10.116	104	282	0.430	ug/l #	65
69) Isopropylbenzene	10.482	105	423	0.011	ug/l #	48
70) 1,1,2,2-Tetrachloroethane	10.768	83	63	0.008	ug/l #	91
71) 1,2,3-Trichloropropane	10.633	75	5762	0.823	ug/l #	44
73) n-propylbenzene	11.090	120	97	0.448	ug/l	79
74) 2-Chlorotoluene	11.099	126	122	0.013	ug/l	52
75) 1,3,5-Trimethylbenzene	11.090	105	337	0.428	ug/l #	69
76) 4-Chlorotoluene	11.099	126	122	0.013	ug/l	73
77) tert-Butylbenzene	11.421	119	142	0.004	ug/l #	1
78) 1,2,4-Trimethylbenzene	11.466	105	616	0.470	ug/l	79
79) sec-Butylbenzene	11.646	105	588	0.440	ug/l	98
80) Nitrobenzene	13.209	77	294	0.587	ug/l #	41
81) p-Isopropyltoluene	11.787	119	769	0.501	ug/l #	84
82) 1,3-Dichlorobenzene	11.836	146	404	0.021	ug/l	86
83) 1,4-Dichlorobenzene	11.836	146	404	0.021	ug/l	89
84) n-Butylbenzene	12.202	91	1568	0.593	ug/l #	71
85) 1,2-Dichlorobenzene	12.212	146	376	0.021	ug/l	80
87) 1,2,4-Trichlorobenzene	13.836	180	708	0.065	ug/l #	88
89) Naphthalene	14.093	128	2904	0.137	ug/l	96
90) 1,2,3-Trichlorobenzene	14.334	180	619	0.060	ug/l	87

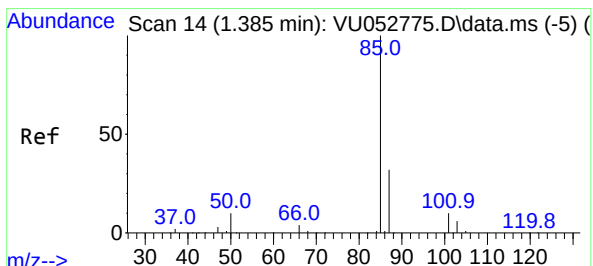
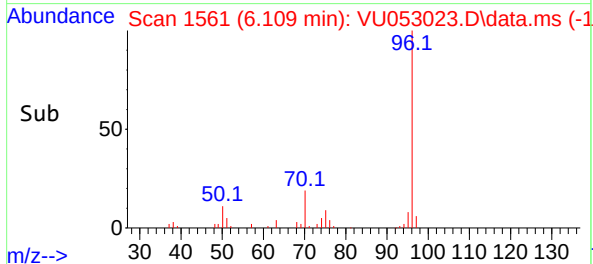
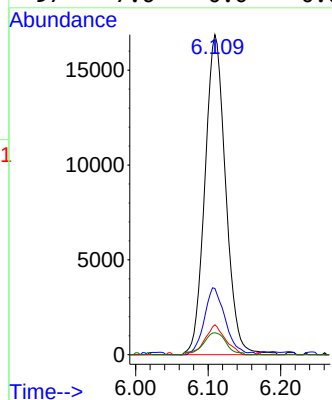
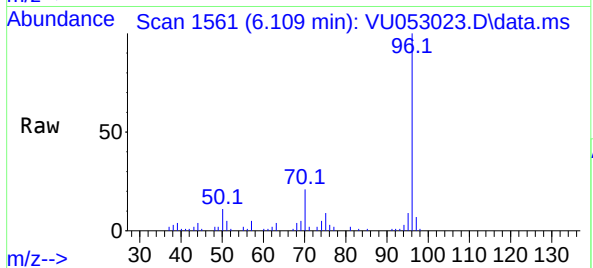
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.109 min Scan# 11
Delta R.T. -0.003 min
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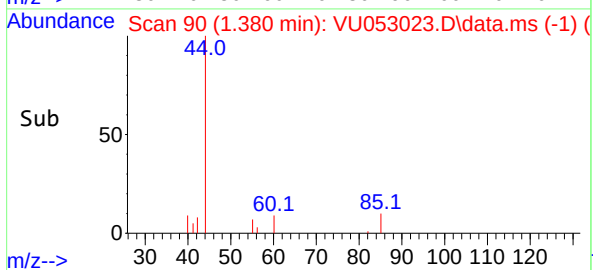
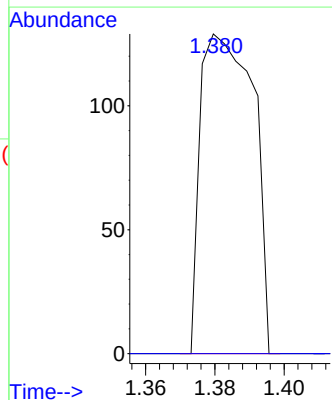
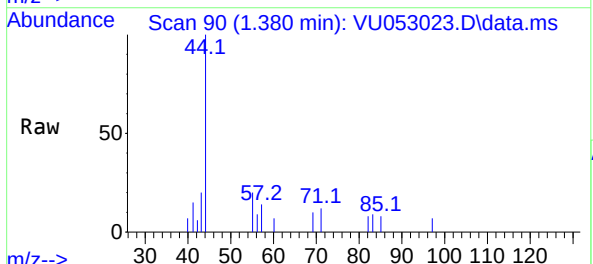
Instrument :
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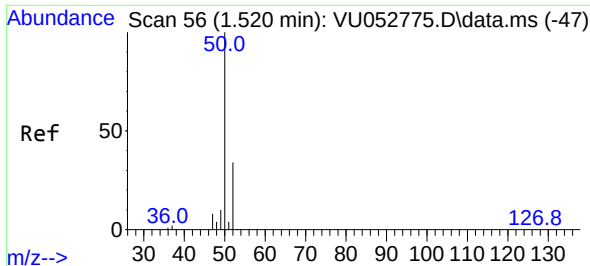
Tgt Ion: 96	Resp: 33475
Ion Ratio	Lower Upper
96 100	
70 20.2	16.2 24.4
95 9.1	7.4 11.0
97 7.6	0.0 0.0#



#2
Dichlorodifluoromethane
Concen: 0.012 ug/l
RT: 1.380 min Scan# 90
Delta R.T. -0.006 min
Lab File: VU053023.D
Acq: 09 Feb 2023 17:51

Tgt Ion: 85	Resp: 136
Ion Ratio	Lower Upper
85 100	
87 0.0	16.1 48.2#

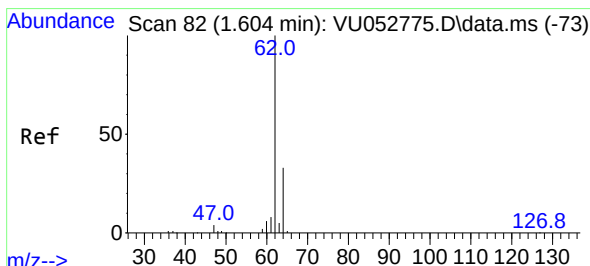
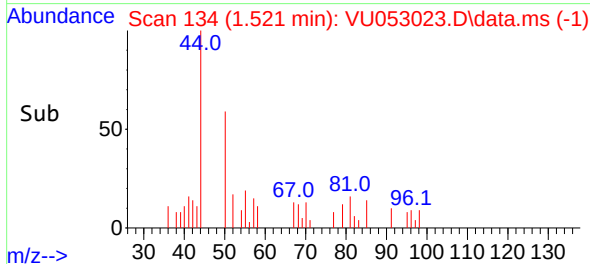
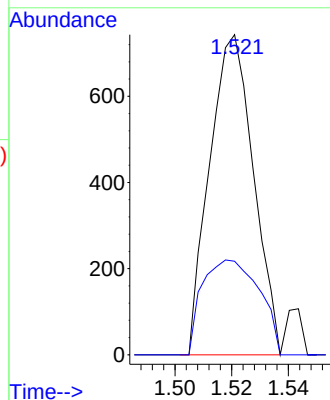
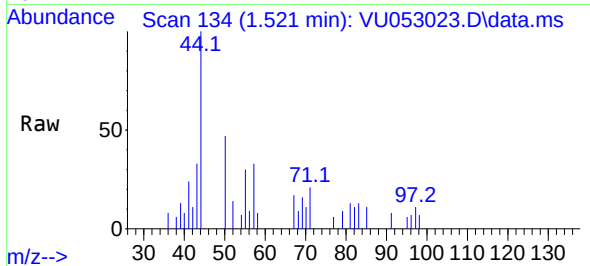




#3
Chloromethane
Concen: 0.074 ug/l
RT: 1.521 min Scan# 11
Delta R.T. 0.001 min
Lab File: VU053023.D
Acq: 09 Feb 2023 17:51

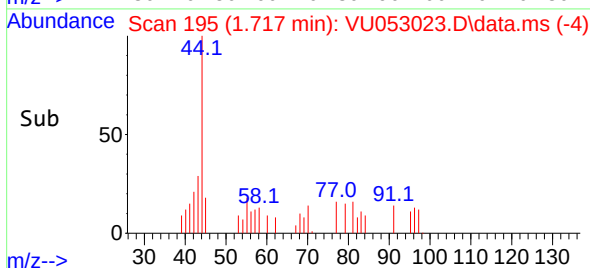
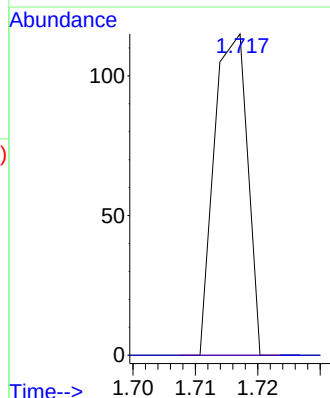
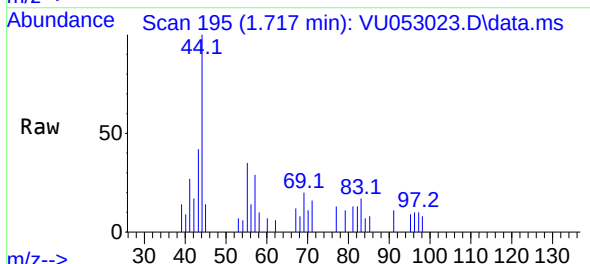
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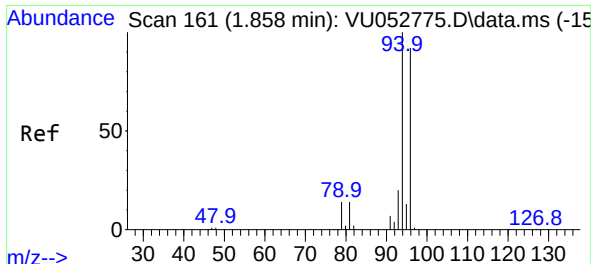
Tgt Ion: 50 Resp: 797
Ion Ratio Lower Upper
50 100
52 29.2 26.8 40.2



#4
Vinyl Chloride
Concen: 0.004 ug/l
RT: 1.717 min Scan# 195
Delta R.T. 0.113 min
Lab File: VU053023.D
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Tgt Ion: 62 Resp: 42
Ion Ratio Lower Upper
62 100
64 0.0 26.0 39.0#

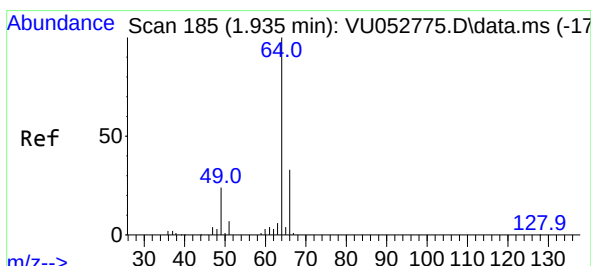
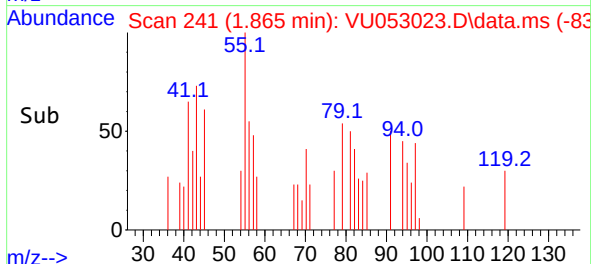
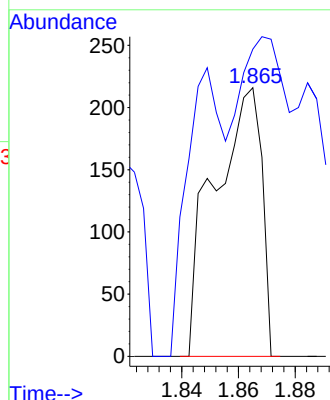
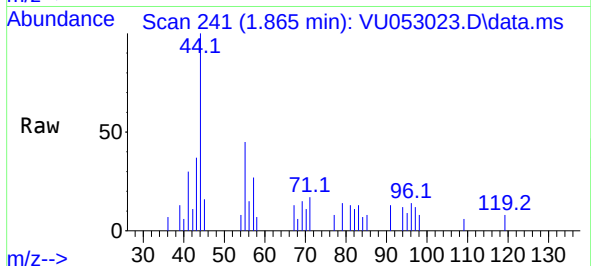




#5
Bromomethane
Concen: 0.047 ug/l
RT: 1.865 min Scan# 241
Delta R.T. 0.007 min
Lab File: VU053023.D
Acq: 09 Feb 2023 17:51

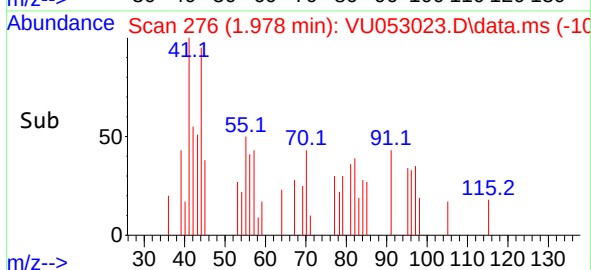
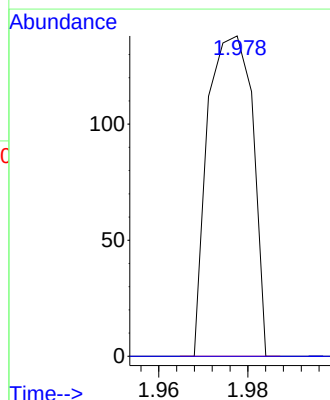
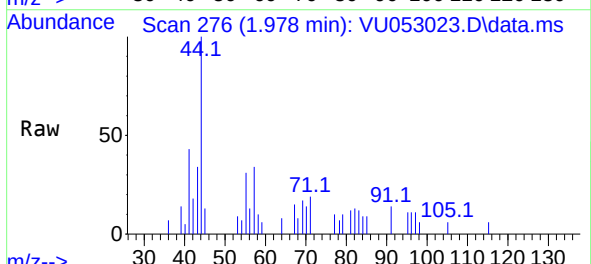
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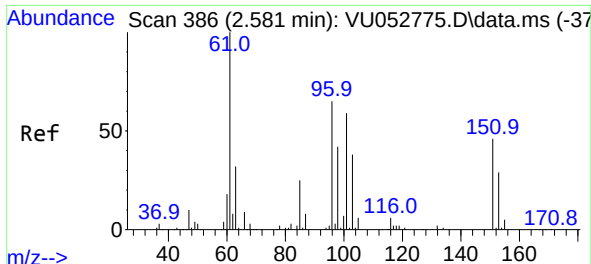
Tgt Ion: 94 Resp: 251
Ion Ratio Lower Upper
94 100
96 62.5 73.8 110.6#



#6
Chloroethane
Concen: 0.015 ug/l
RT: 1.978 min Scan# 276
Delta R.T. 0.043 min
Lab File: VU053023.D
Acq: 09 Feb 2023 17:51

Tgt Ion: 64 Resp: 96
Ion Ratio Lower Upper
64 100
66 0.0 26.6 40.0#

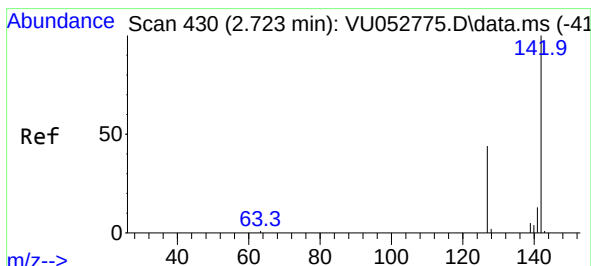
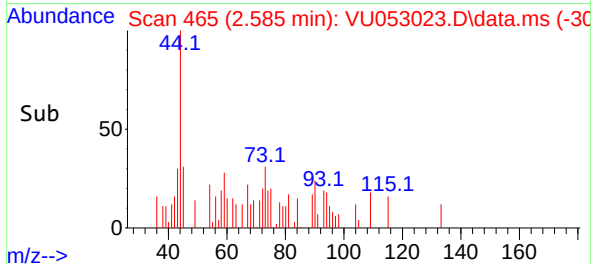
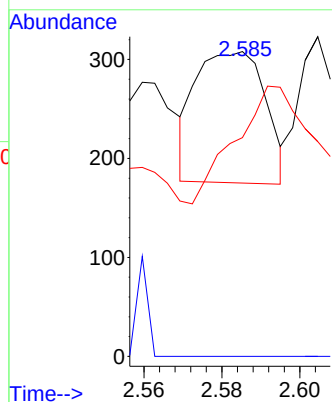
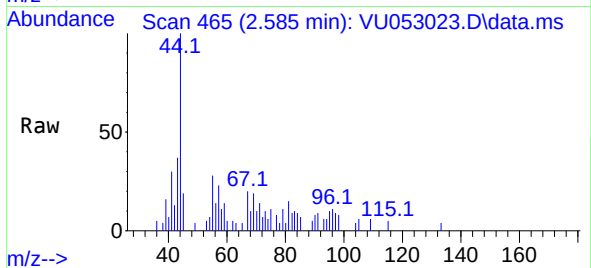




#9
1,1-Dichloroethene
Concen: 0.021 ug/l
RT: 2.585 min Scan# 41
Delta R.T. 0.004 min
Lab File: VU053023.D
Acq: 09 Feb 2023 17:51

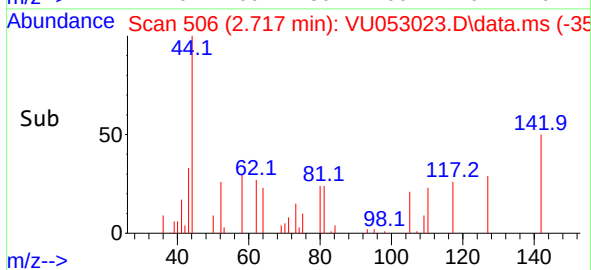
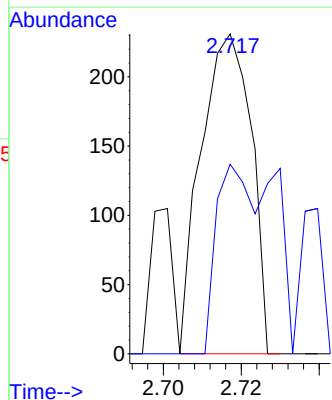
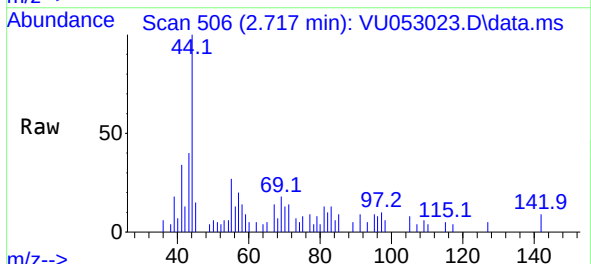
Instrument :
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ClientSampleId :
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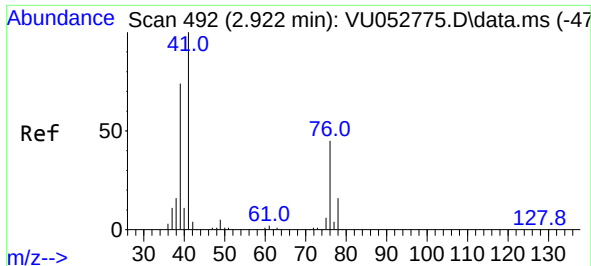
Tgt Ion: 96 Resp: 163
Ion Ratio Lower Upper
96 100
61 0.0 0.0 460.5
98 66.7 0.0 128.0



#10
Iodomethane
Concen: 0.024 ug/l
RT: 2.717 min Scan# 506
Delta R.T. -0.006 min
Lab File: VU053023.D
Acq: 09 Feb 2023 17:51

Tgt Ion: 142 Resp: 207
Ion Ratio Lower Upper
142 100
127 68.1 35.4 53.0#

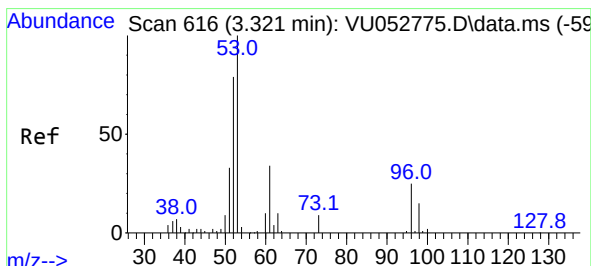
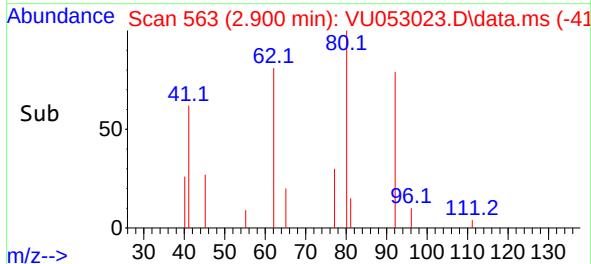
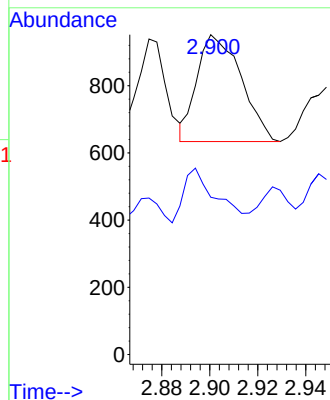
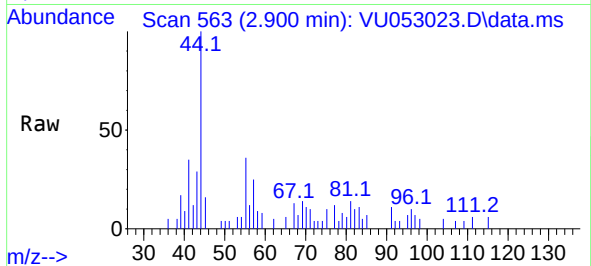




#11
 Allyl Chloride
 Concen: 0.043 ug/l
 RT: 2.900 min Scan# 51
 Delta R.T. -0.022 min
 Lab File: VU053023.D
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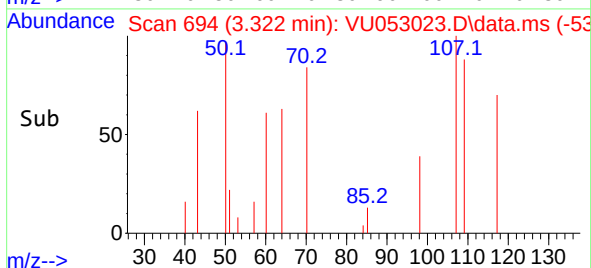
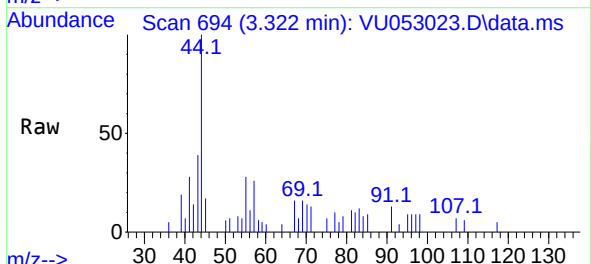
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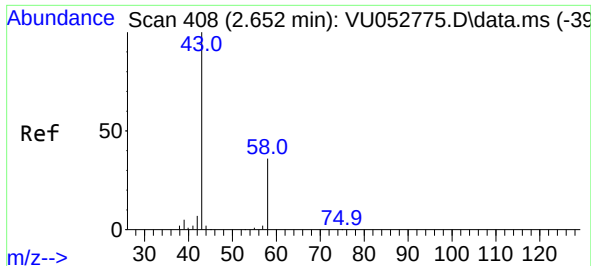
Tgt Ion: 41 Resp: 406
 Ion Ratio Lower Upper
 41 100
 39 36.2 59.3 88.9#



#12
 Acrylonitrile
 Concen: 0.028 ug/l
 RT: 3.322 min Scan# 694
 Delta R.T. 0.001 min
 Lab File: VU053023.D
 Acq: 09 Feb 2023 17:51

Tgt Ion: 53 Resp: 47
 Ion Ratio Lower Upper
 53 100
 52 0.0 63.0 94.4#
 51 95.7 31.3 46.9#

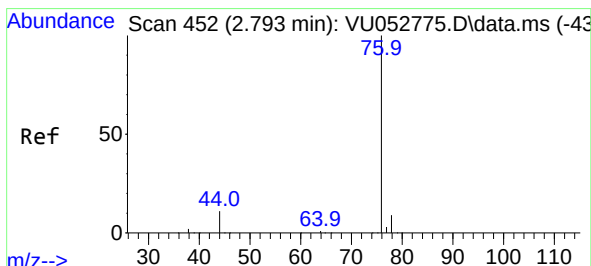
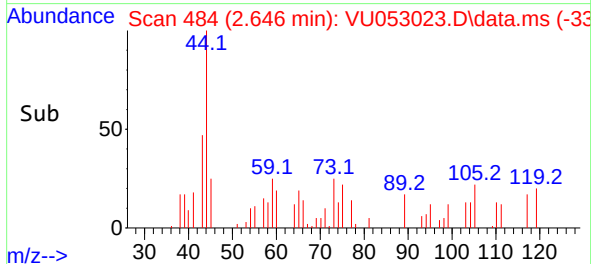
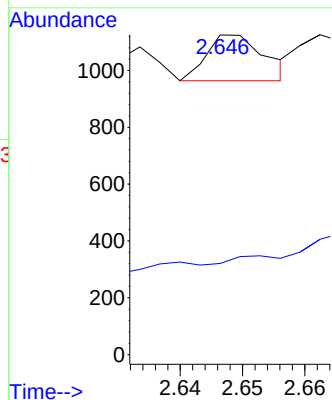
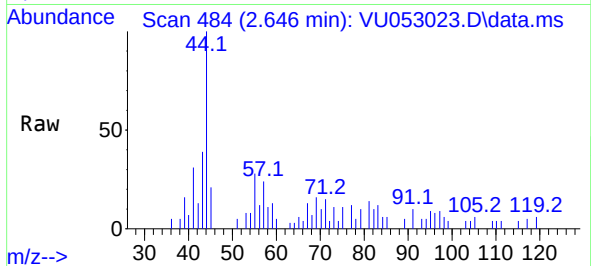




#13
Acetone
Concen: 0.045 ug/l
RT: 2.646 min Scan# 41
Delta R.T. -0.006 min
Lab File: VU053023.D
Acq: 09 Feb 2023 17:51

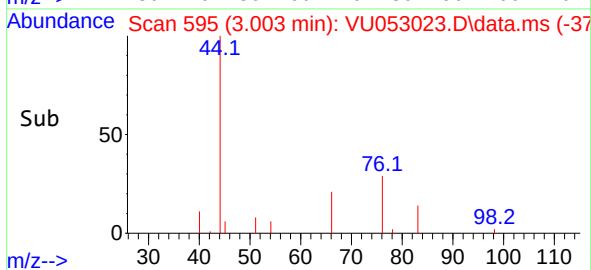
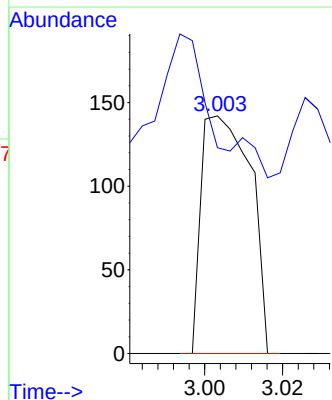
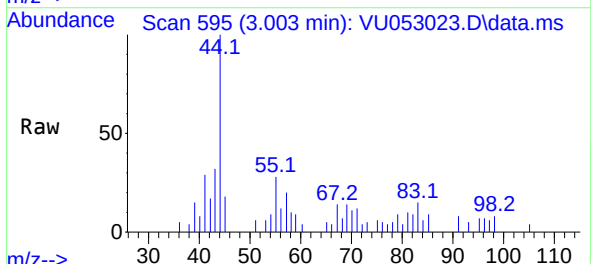
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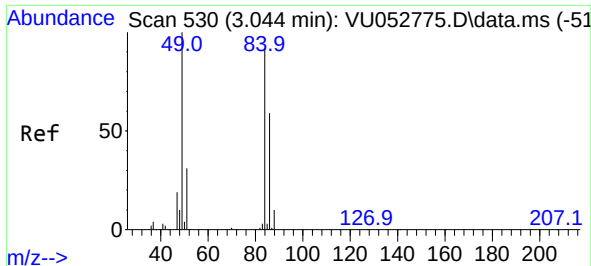
Tgt Ion: 43 Resp: 105
Ion Ratio Lower Upper
43 100
58 0.0 29.0 43.4#



#14
Carbon Disulfide
Concen: 0.005 ug/l
RT: 3.003 min Scan# 595
Delta R.T. 0.210 min
Lab File: VU053023.D
Acq: 09 Feb 2023 17:51

Tgt Ion: 76 Resp: 124
Ion Ratio Lower Upper
76 100
78 10.6 7.1 10.7



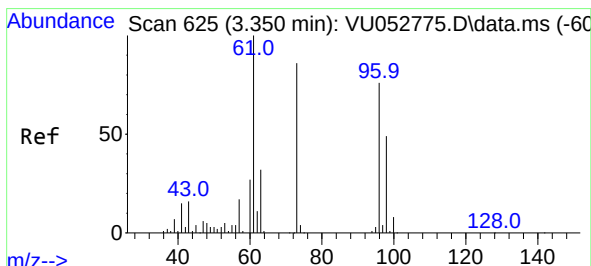
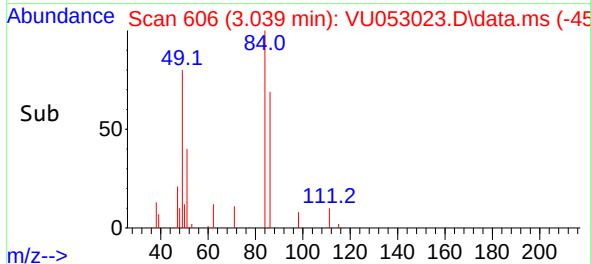
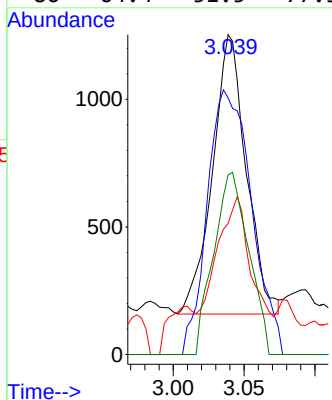
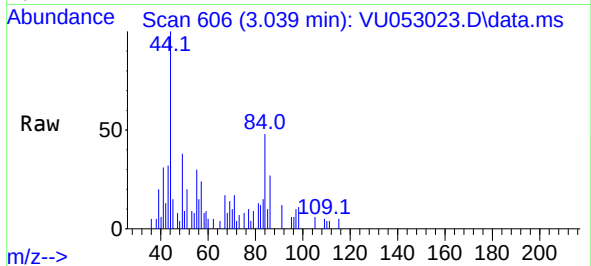


#15
Methylene Chloride
Concen: 0.192 ug/l
RT: 3.039 min Scan# 606
Delta R.T. -0.006 min
Lab File: VU053023.D
Acq: 09 Feb 2023 17:51

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

Tgt Ion: 84 Resp: 1814

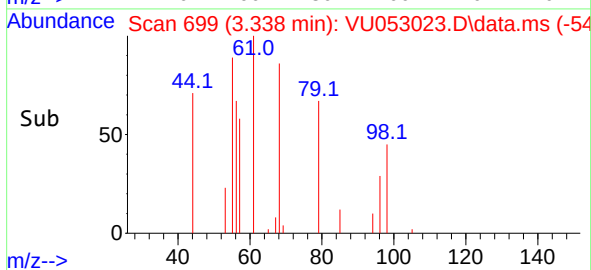
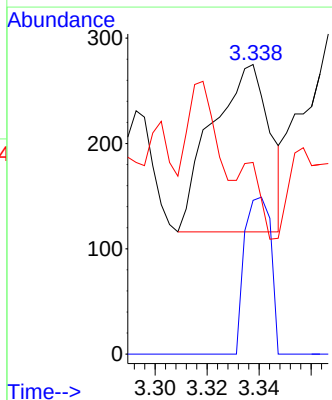
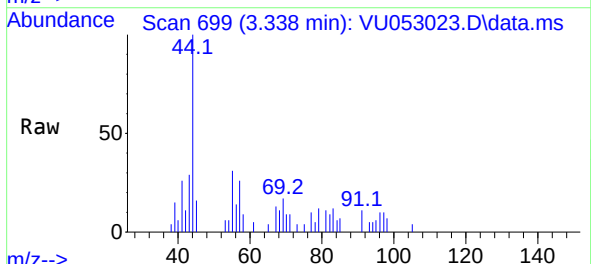
Ion	Ratio	Lower	Upper
84	100		
49	91.9	86.7	130.1
51	31.7	0.0	66.8
86	64.4	51.5	77.3

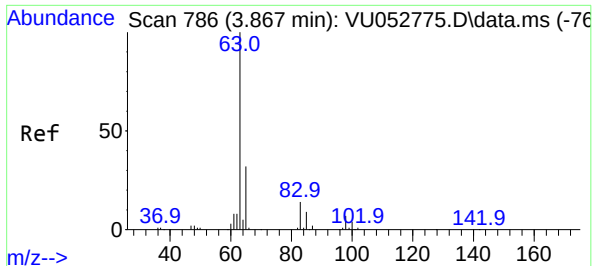


#16
trans-1,2-Dichloroethene
Concen: 0.028 ug/l
RT: 3.338 min Scan# 699
Delta R.T. -0.012 min
Lab File: VU053023.D
Acq: 09 Feb 2023 17:51

Tgt Ion: 96 Resp: 245

Ion	Ratio	Lower	Upper
96	100		
61	91.8	105.7	158.5#
98	45.3	51.4	77.2#

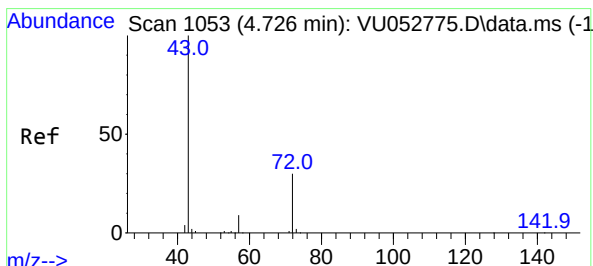
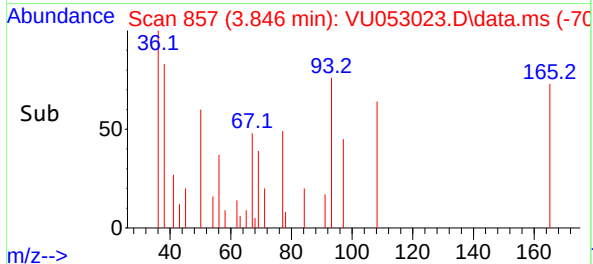
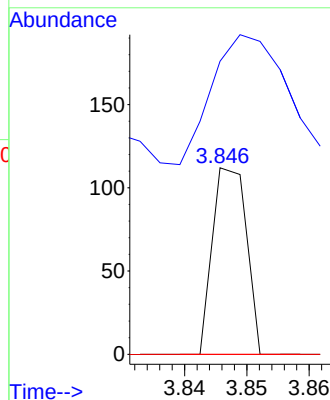
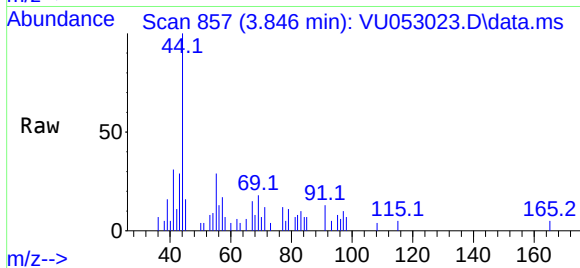




#17
1,1-Dichloroethane
Concen: 0.003 ug/l
RT: 3.846 min Scan# 81
Delta R.T. -0.022 min
Lab File: VU053023.D
Acq: 09 Feb 2023 17:51

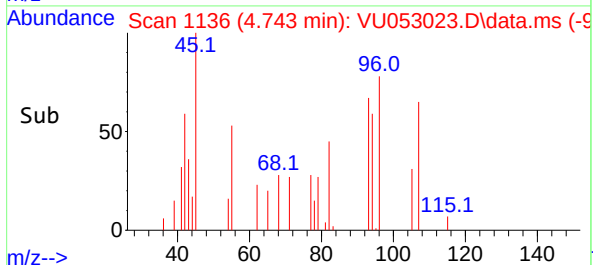
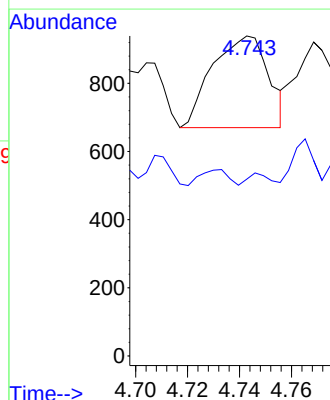
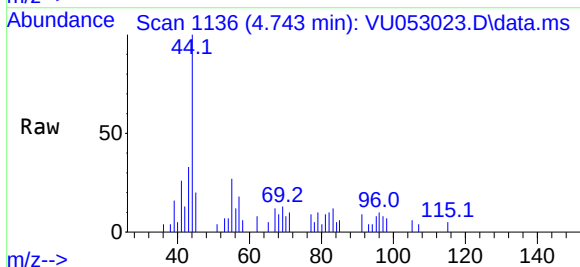
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L10-D-020723

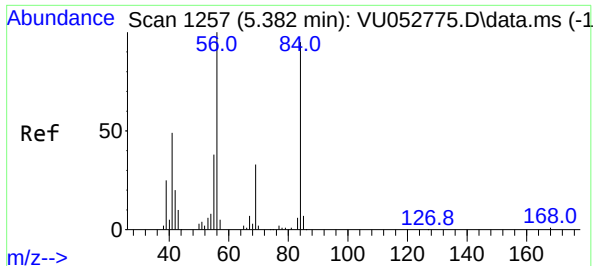
Tgt Ion: 63 Resp: 42
Ion Ratio Lower Upper
63 100
98 55.4 3.8 11.2#
100 0.0 2.2 6.6#



#18
2-Butanone
Concen: 0.148 ug/l
RT: 4.743 min Scan# 1136
Delta R.T. 0.017 min
Lab File: VU053023.D
Acq: 09 Feb 2023 17:51

Tgt Ion: 43 Resp: 403
Ion Ratio Lower Upper
43 100
57 5.2 0.0 17.4





#19

Cyclohexane

Concen: 0.007 ug/l

RT: 5.389 min Scan# 11

Delta R.T. 0.007 min

Lab File: VU053023.D

Acq: 09 Feb 2023 17:51

Instrument :

MSVOA_U

ClientSampleId :

PW-B6-L10-D-020723

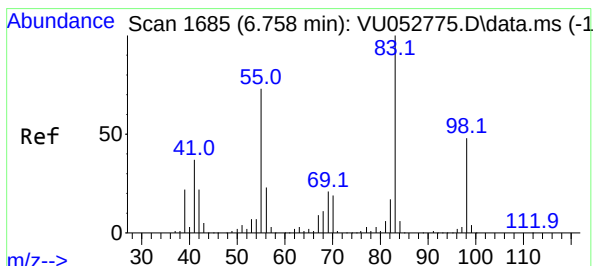
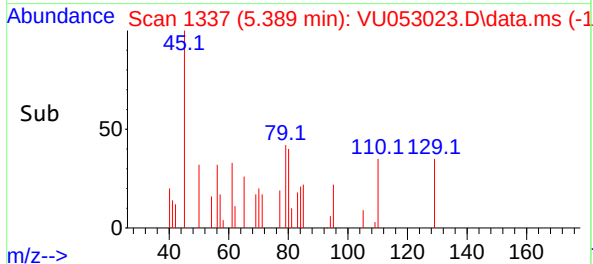
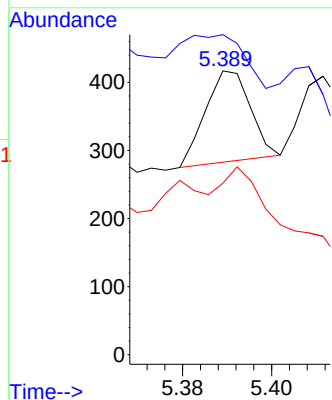
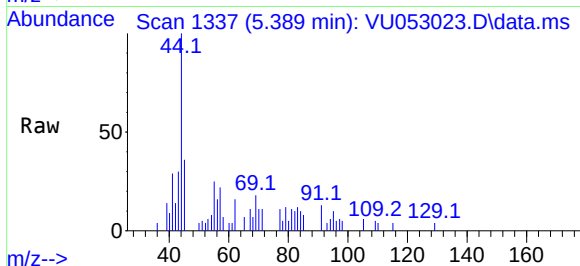
Tgt Ion: 56 Resp: 95

Ion Ratio Lower Upper

56 100

69 0.0 26.8 40.2#

84 0.0 77.0 115.6#



#20

Methylcyclohexane

Concen: 0.009 ug/l

RT: 6.756 min Scan# 1762

Delta R.T. -0.002 min

Lab File: VU053023.D

Acq: 09 Feb 2023 17:51

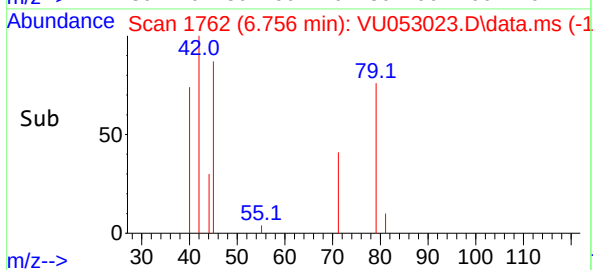
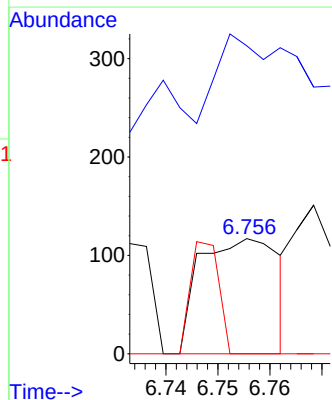
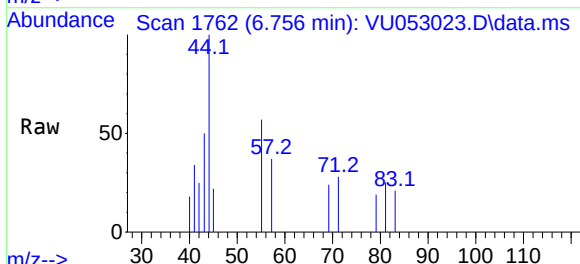
Tgt Ion: 83 Resp: 123

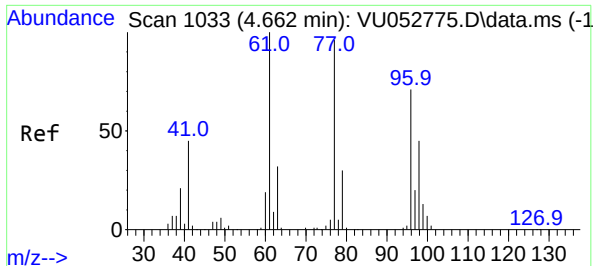
Ion Ratio Lower Upper

83 100

55 91.9 58.7 88.1#

98 35.0 39.4 59.2#

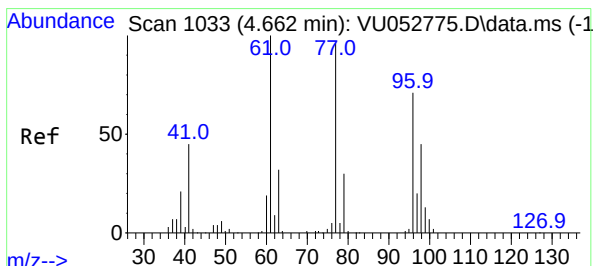
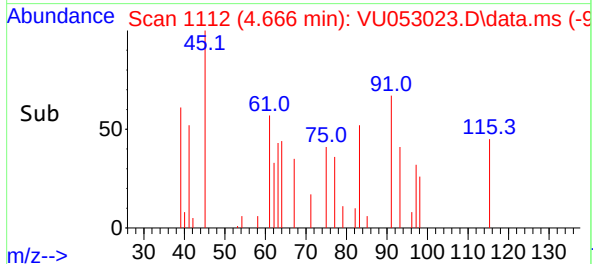
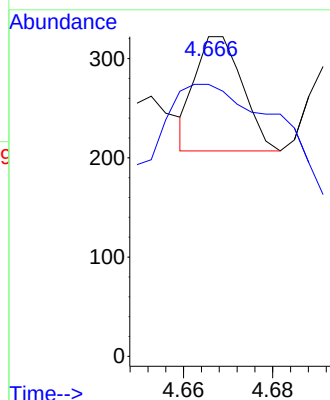
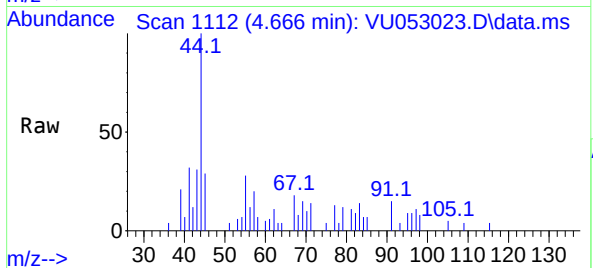




#21
2,2-Dichloropropane
Concen: 0.006 ug/l
RT: 4.666 min Scan# 1112
Delta R.T. 0.004 min
Lab File: VU053023.D
Acq: 09 Feb 2023 17:51

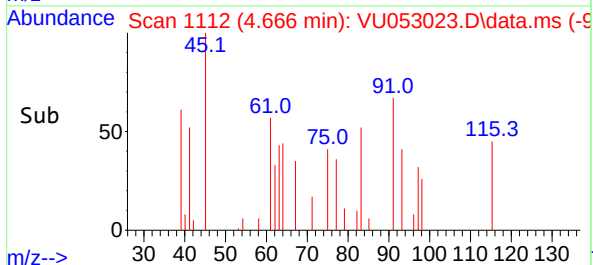
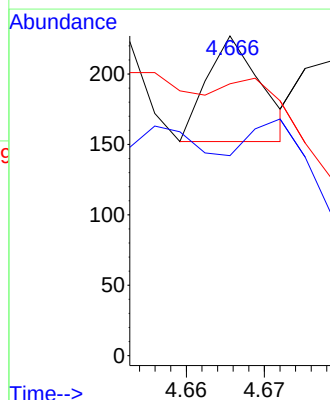
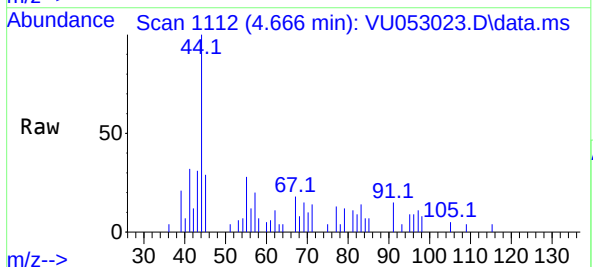
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L10-D-020723

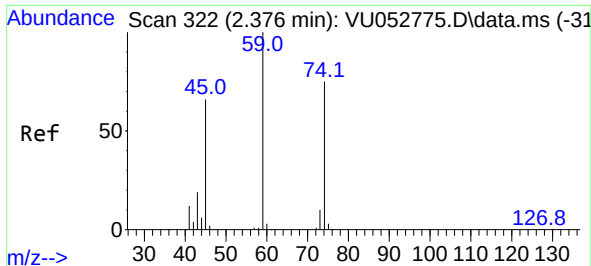
Tgt Ion: 77 Resp: 84
Ion Ratio Lower Upper
77 100
97 223.8 16.8 25.2#



#22
cis-1,2-Dichloroethene
Concen: 0.004 ug/l
RT: 4.666 min Scan# 1112
Delta R.T. 0.004 min
Lab File: VU053023.D
Acq: 09 Feb 2023 17:51

Tgt Ion: 96 Resp: 36
Ion Ratio Lower Upper
96 100
61 463.9 0.0 353.3#
98 133.3 32.6 97.7#

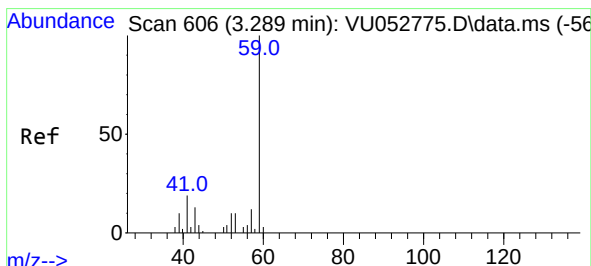
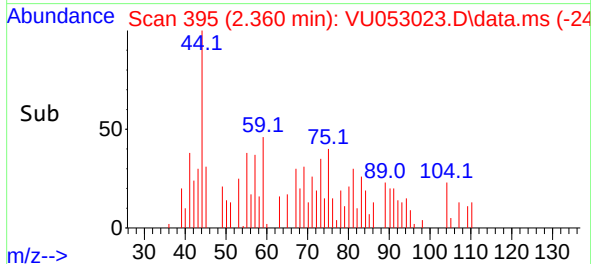
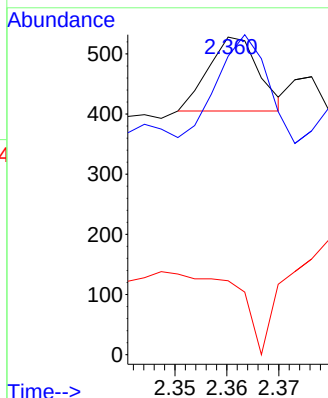
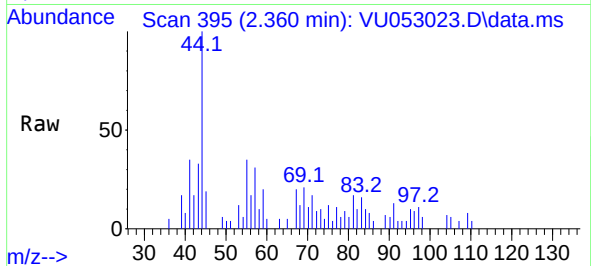




#23
Diethyl Ether
Concen: 0.015 ug/l
RT: 2.360 min Scan# 31
Delta R.T. -0.015 min
Lab File: VU053023.D
Acq: 09 Feb 2023 17:51

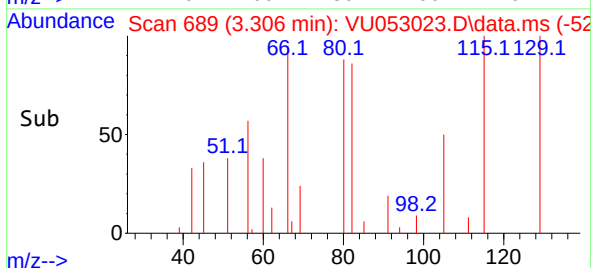
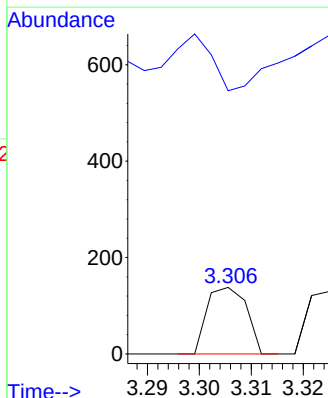
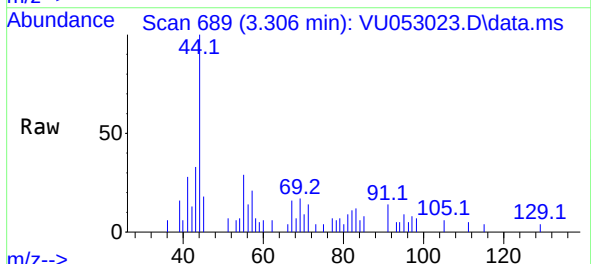
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L10-D-020723

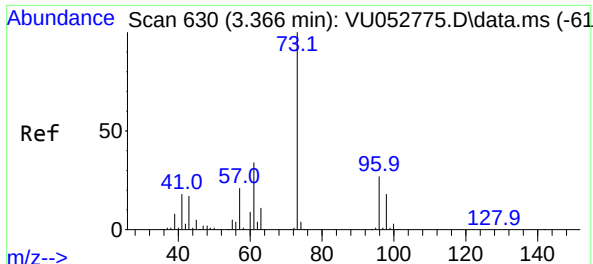
Tgt Ion: 59 Resp: 83
Ion Ratio Lower Upper
59 100
45 149.4 52.1 78.1#
74 0.0 61.6 92.4#



#24
tert-Butyl Alcohol
Concen: 0.110 ug/l
RT: 3.306 min Scan# 689
Delta R.T. 0.017 min
Lab File: VU053023.D
Acq: 09 Feb 2023 17:51

Tgt Ion: 59 Resp: 73
Ion Ratio Lower Upper
59 100
57 117.8 45.8 68.8#

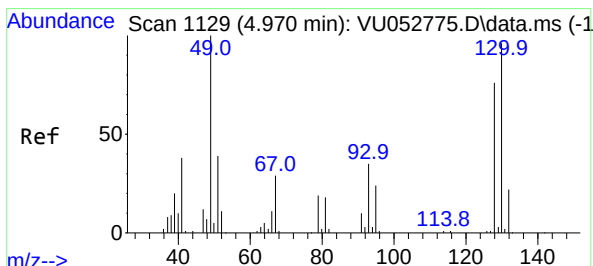
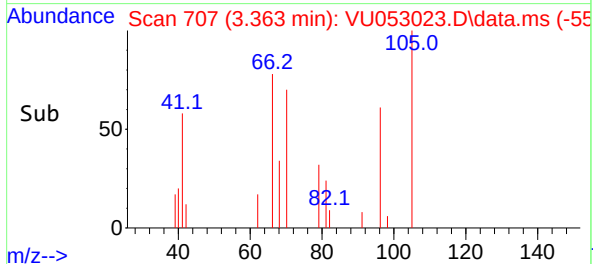
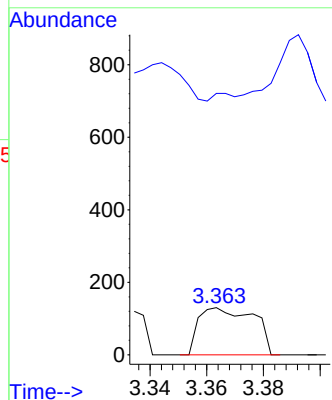
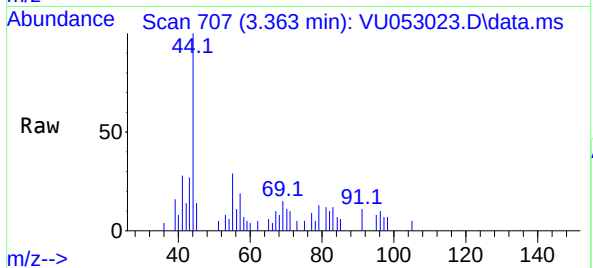




#25
Methyl tert-Butyl Ether
Concen: 0.010 ug/l
RT: 3.363 min Scan# 70
Delta R.T. -0.002 min
Lab File: VU053023.D
Acq: 09 Feb 2023 17:51

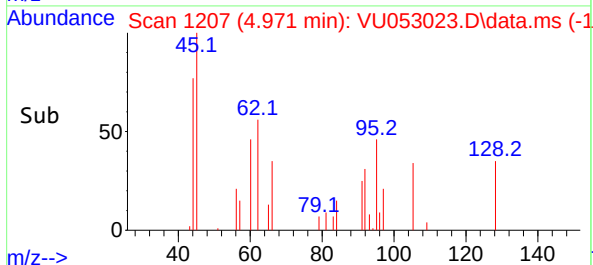
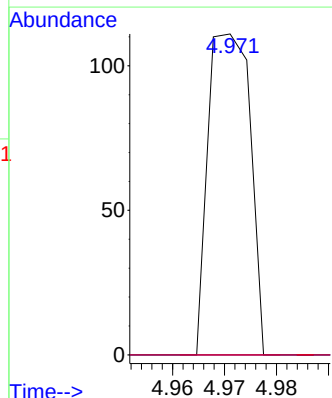
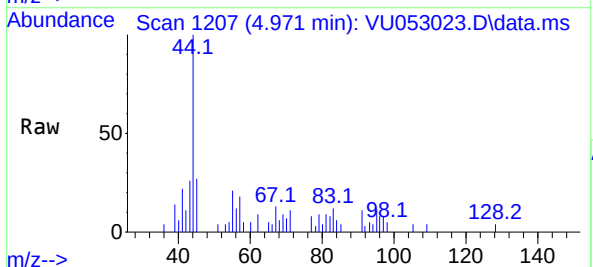
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L10-D-020723

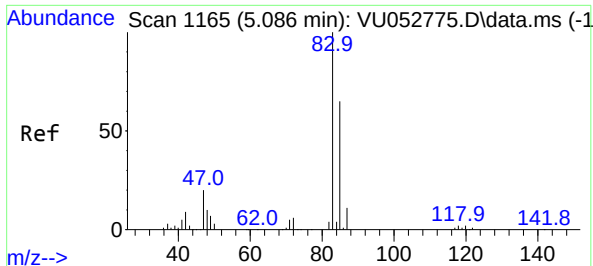
Tgt Ion: 73 Resp: 175
Ion Ratio Lower Upper
73 100
43 82.3 15.3 22.9#



#26
Bromochloromethane
Concen: 0.015 ug/l
RT: 4.971 min Scan# 1207
Delta R.T. 0.001 min
Lab File: VU053023.D
Acq: 09 Feb 2023 17:51

Tgt Ion: 128 Resp: 62
Ion Ratio Lower Upper
128 100
49 0.0 0.0 265.0
130 0.0 100.7 151.1#





#27

Chloroform

Concen: 0.013 ug/l

RT: 5.087 min Scan# 1165

Delta R.T. 0.001 min

Lab File: VU053023.D

Acq: 09 Feb 2023 17:51

Instrument :

MSVOA_U

ClientSampleId :

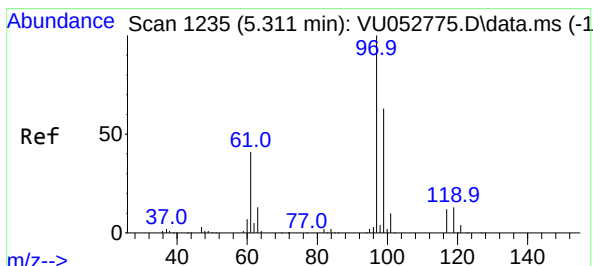
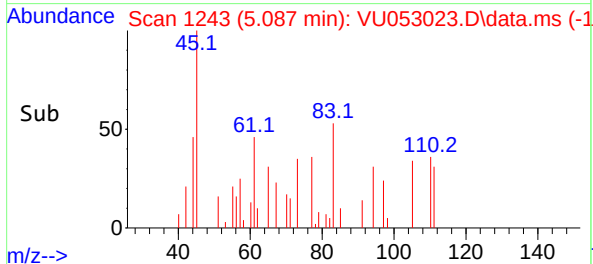
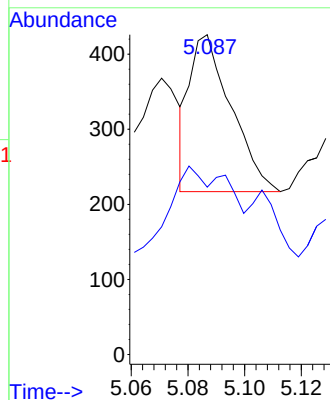
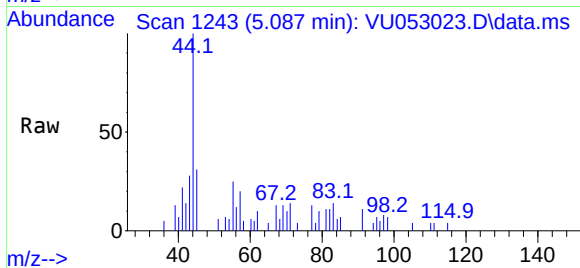
PW-B6-L10-D-020723

Tgt Ion: 83 Resp: 211

Ion Ratio Lower Upper

83 100

85 27.3 0.0 130.6



#28

1,1,1-Trichloroethane

Concen: 0.007 ug/l

RT: 5.318 min Scan# 1315

Delta R.T. 0.007 min

Lab File: VU053023.D

Acq: 09 Feb 2023 17:51

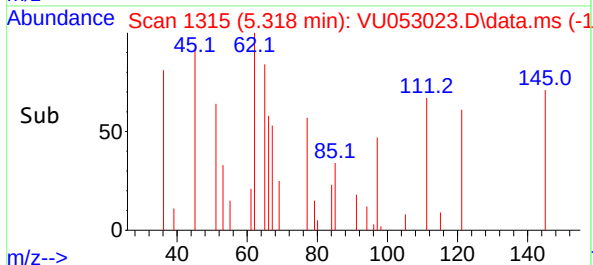
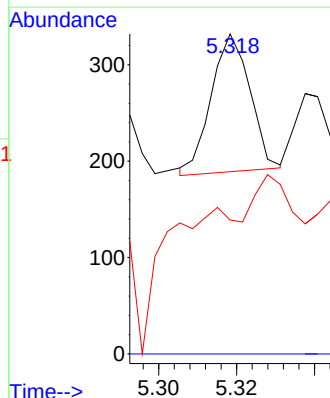
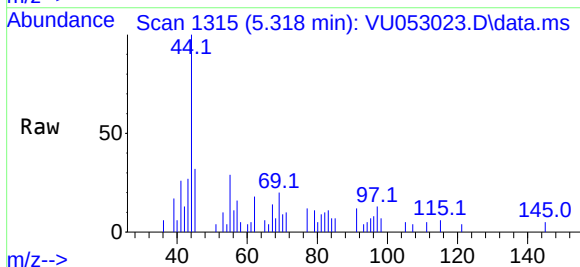
Tgt Ion: 97 Resp: 99

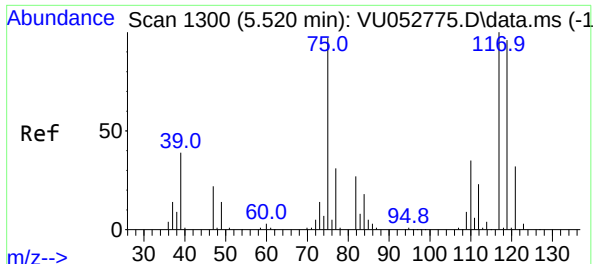
Ion Ratio Lower Upper

97 100

99 0.0 31.9 95.5#

61 207.1 20.8 62.2#

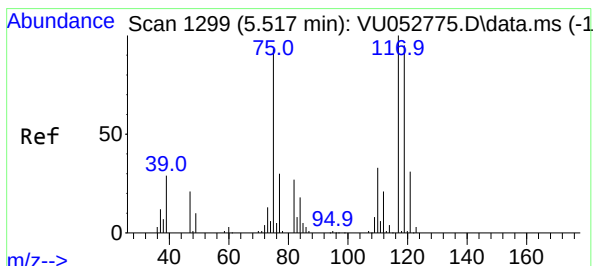
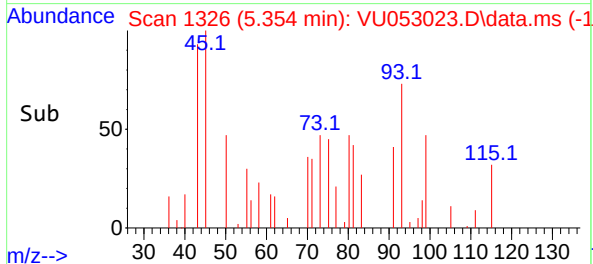
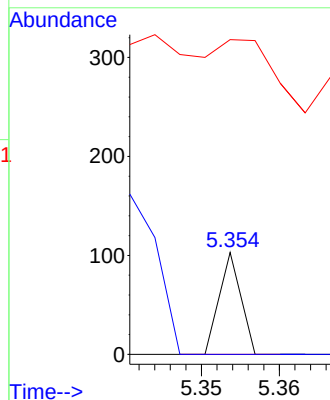
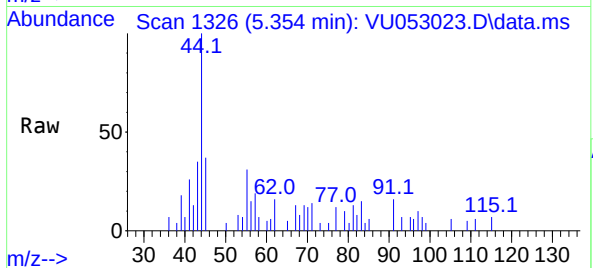




#29
1,1-Dichloropropene
Concen: 0.002 ug/l
RT: 5.354 min Scan# 11
Delta R.T. -0.166 min
Lab File: VU053023.D
Acq: 09 Feb 2023 17:51

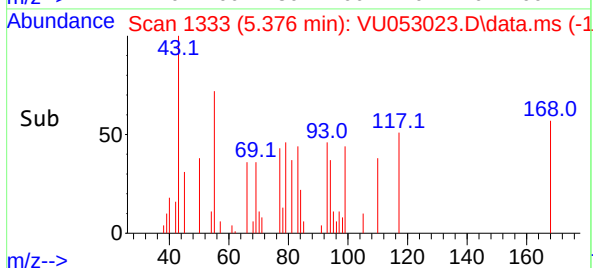
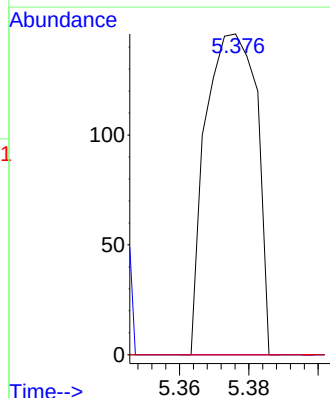
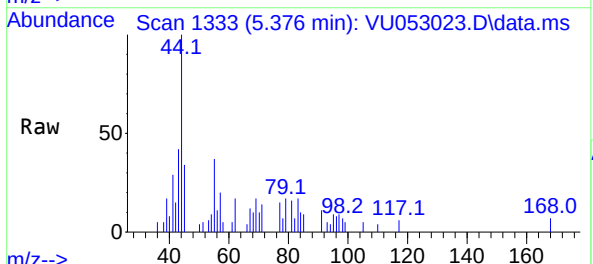
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L10-D-020723

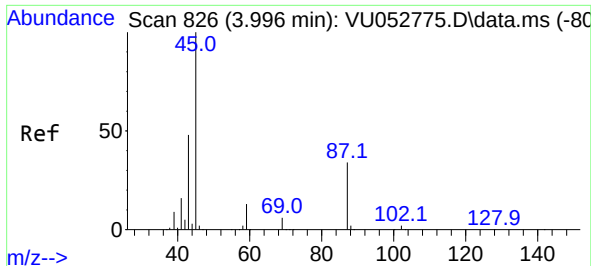
Tgt Ion: 75 Resp: 20
Ion Ratio Lower Upper
75 100
110 420.0 17.4 52.2#
77 295.0 24.8 37.2#



#30
Carbon Tetrachloride
Concen: 0.011 ug/l
RT: 5.376 min Scan# 1333
Delta R.T. -0.141 min
Lab File: VU053023.D
Acq: 09 Feb 2023 17:51

Tgt Ion: 117 Resp: 149
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 25.0 37.6#

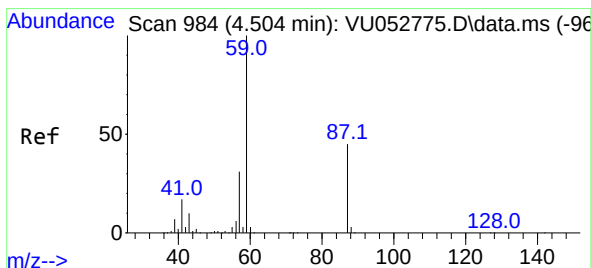
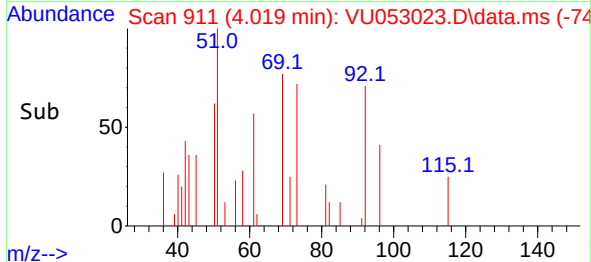
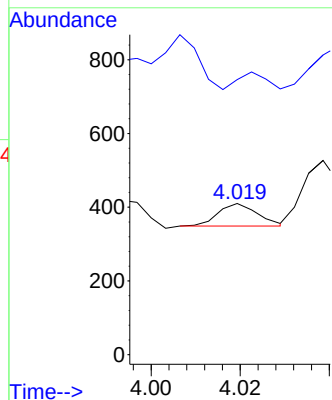
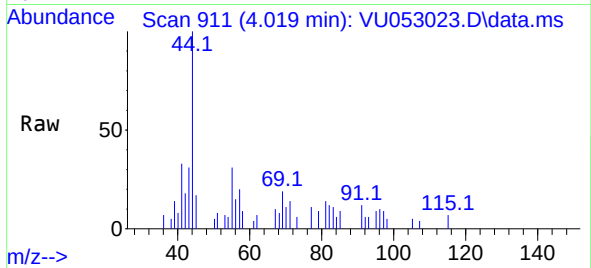




#31
Isopropyl Ether
Concen: 0.002 ug/l
RT: 4.019 min Scan# 911
Delta R.T. 0.023 min
Lab File: VU053023.D
Acq: 09 Feb 2023 17:51

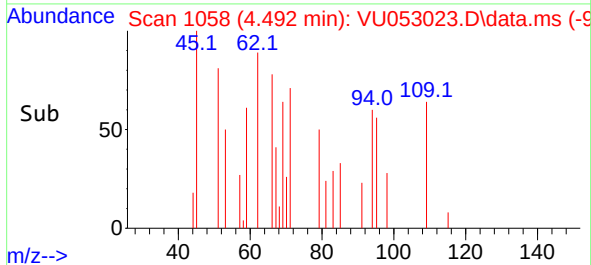
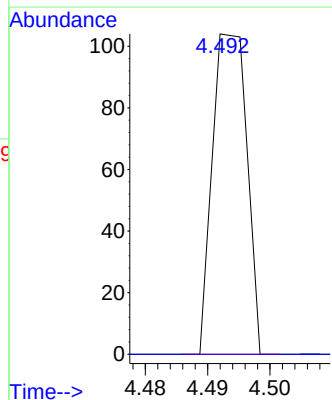
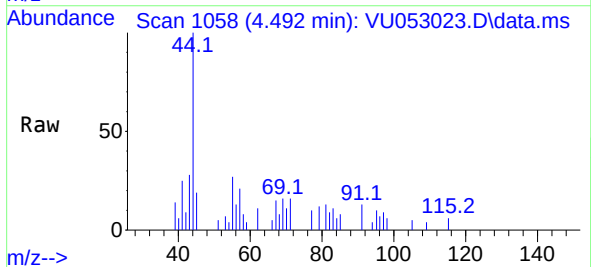
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L10-D-020723

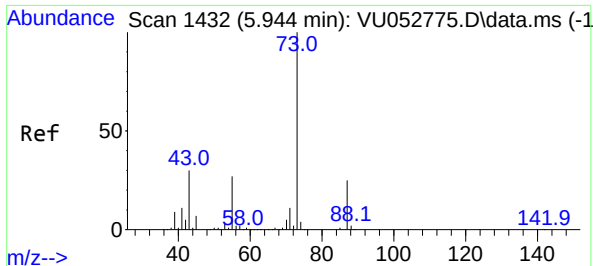
Tgt Ion: 45 Resp: 37
Ion Ratio Lower Upper
45 100
43 54.1 24.5 73.5



#32
Ethyl-t-butyl ether
Concen: 0.002 ug/l
RT: 4.492 min Scan# 1058
Delta R.T. -0.012 min
Lab File: VU053023.D
Acq: 09 Feb 2023 17:51

Tgt Ion: 59 Resp: 40
Ion Ratio Lower Upper
59 100
87 0.0 36.2 54.2#



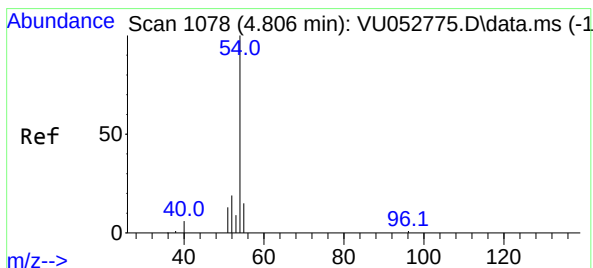
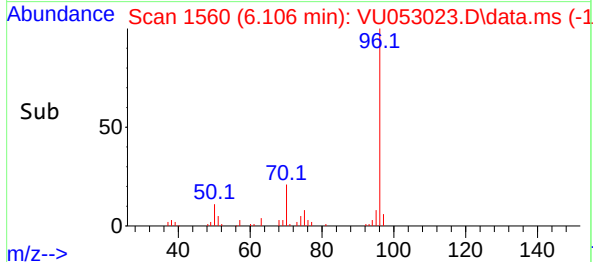
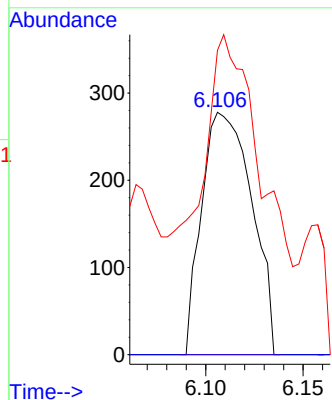
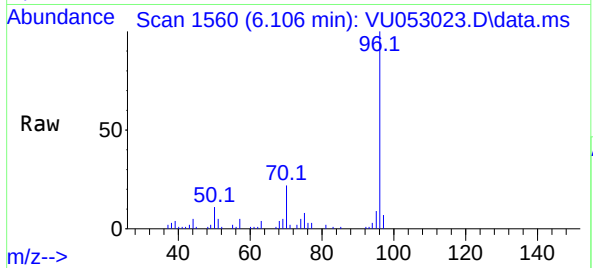


#33
Tert-Amyl methyl ether
Concen: 0.029 ug/l
RT: 6.106 min Scan# 1161
Delta R.T. 0.162 min
Lab File: VU053023.D
Acq: 09 Feb 2023 17:51

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

Tgt Ion: 73 Resp: 498

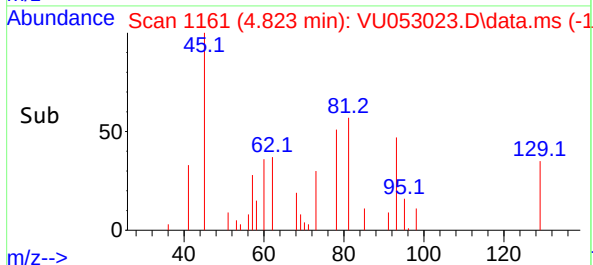
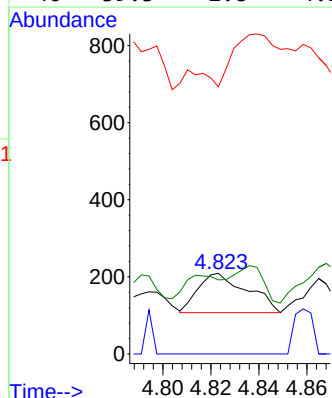
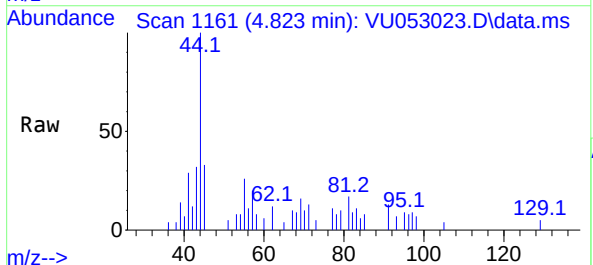
Ion	Ratio	Lower	Upper
73	100		
87	0.0	20.1	30.1#
71	67.7	9.2	13.8#

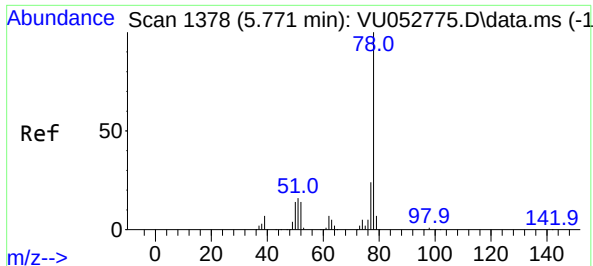


#34
Propionitrile
Concen: 0.232 ug/l
RT: 4.823 min Scan# 1161
Delta R.T. 0.017 min
Lab File: VU053023.D
Acq: 09 Feb 2023 17:51

Tgt Ion: 54 Resp: 145

Ion	Ratio	Lower	Upper
54	100		
52	15.2	16.9	25.3#
55	17.9	118.6	178.0#
40	39.3	2.8	4.2#

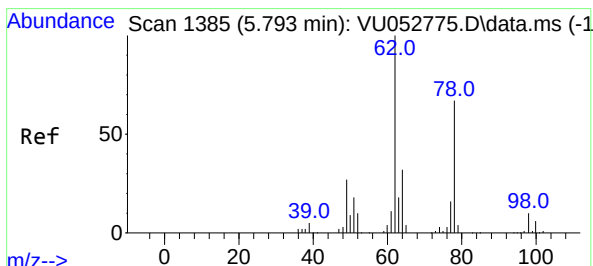
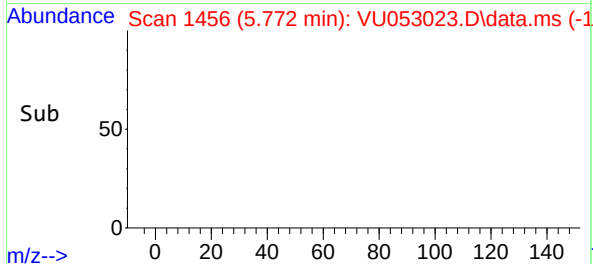
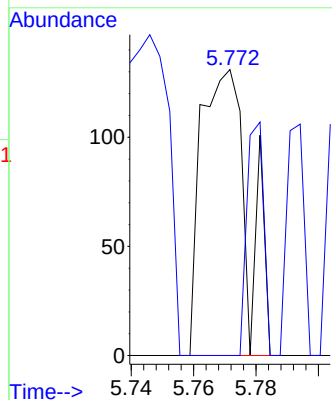
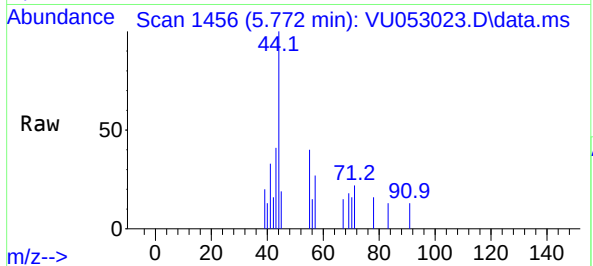




#35
Benzene
Concen: 0.004 ug/l
RT: 5.772 min Scan# 1456
Delta R.T. 0.001 min
Lab File: VU053023.D
Acq: 09 Feb 2023 17:51

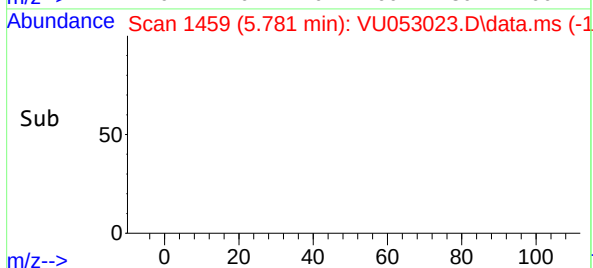
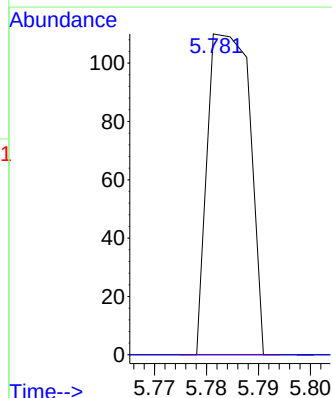
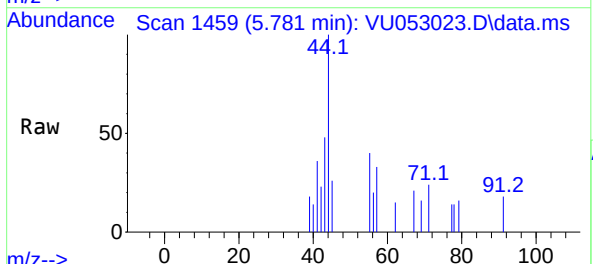
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L10-D-020723

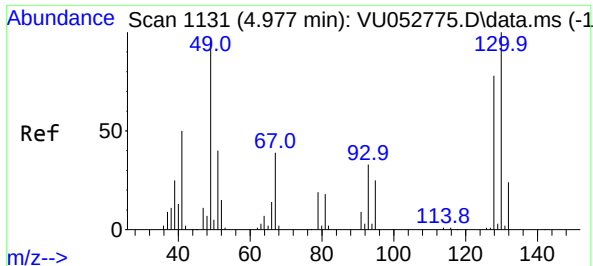
Tgt Ion: 78 Resp: 135
Ion Ratio Lower Upper
78 100
77 0.0 19.0 28.4#



#36
1,2-Dichloroethane
Concen: 0.006 ug/l
RT: 5.781 min Scan# 1459
Delta R.T. -0.012 min
Lab File: VU053023.D
Acq: 09 Feb 2023 17:51

Tgt Ion: 62 Resp: 62
Ion Ratio Lower Upper
62 100
98 145.2 7.5 11.3#





#39

Methacrylonitrile

Concen: 0.037 ug/l

RT: 4.977 min Scan# 11

Delta R.T. 0.001 min

Lab File: VU053023.D

Acq: 09 Feb 2023 17:51

Instrument :

MSVOA_U

ClientSampleId :

PW-B6-L10-D-020723

Tgt Ion: 41 Resp: 92

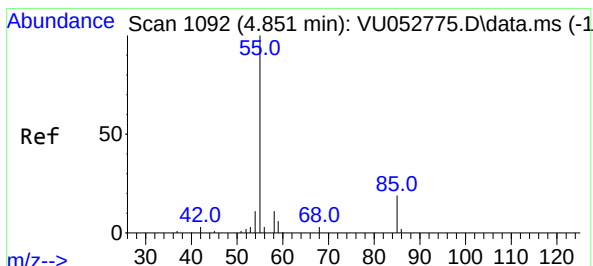
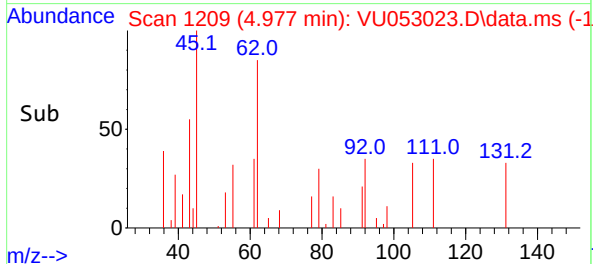
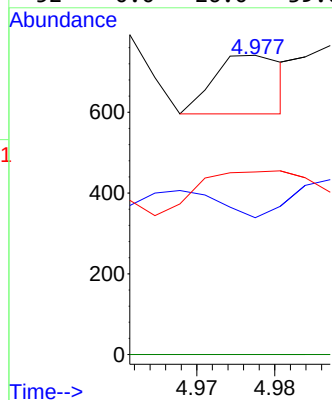
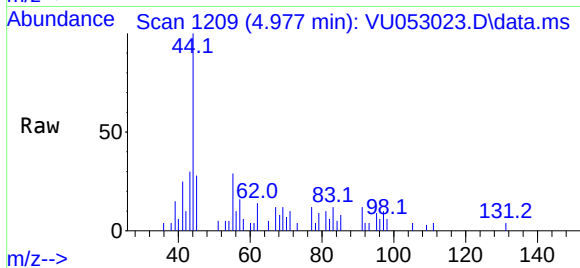
Ion Ratio Lower Upper

41 100

67 131.5 64.9 97.3#

39 135.9 41.7 62.5#

52 0.0 26.0 39.0#



#40

Methyl acrylate

Concen: 0.047 ug/l

RT: 4.839 min Scan# 1166

Delta R.T. -0.012 min

Lab File: VU053023.D

Acq: 09 Feb 2023 17:51

Tgt Ion: 55 Resp: 206

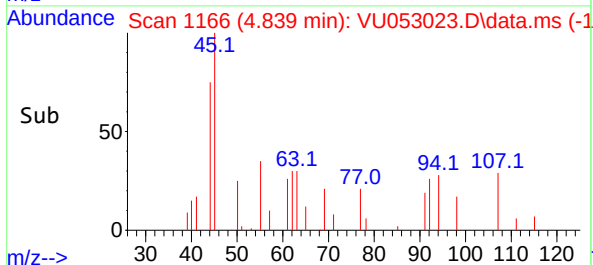
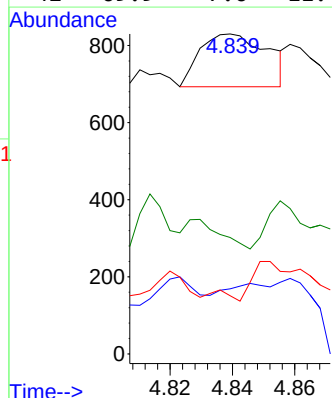
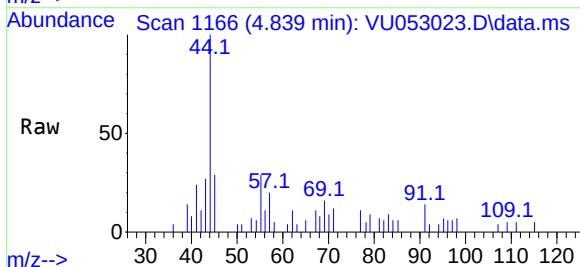
Ion Ratio Lower Upper

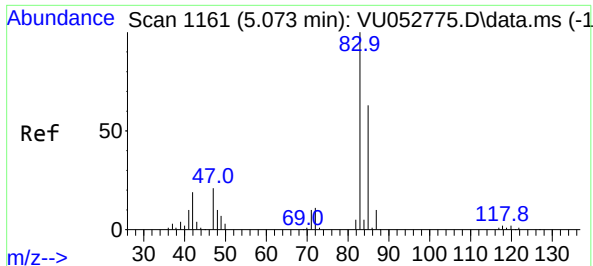
55 100

85 0.0 14.4 21.6#

58 61.7 7.3 10.9#

42 69.9 7.6 11.4#





#41

Tetrahydrofuran

Concen: 0.216 ug/l

RT: 5.090 min Scan# 1161

Delta R.T. 0.017 min

Lab File: VU053023.D

Acq: 09 Feb 2023 17:51

Instrument :

MSVOA_U

ClientSampleId :

PW-B6-L10-D-020723

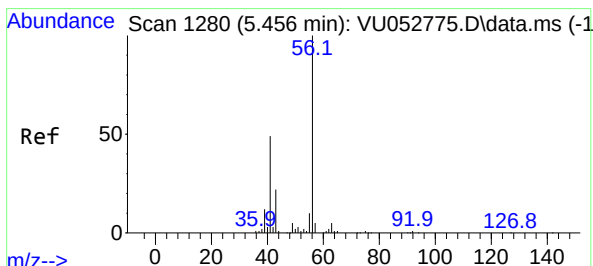
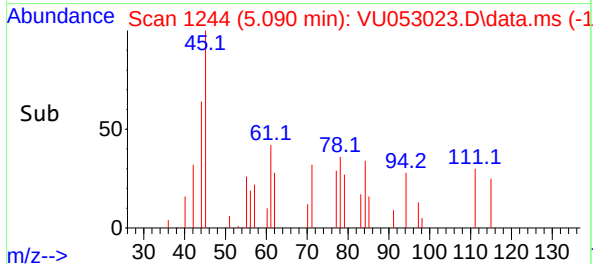
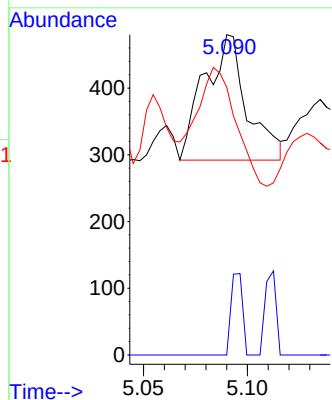
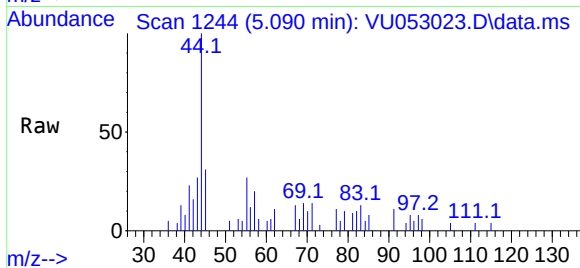
Tgt Ion: 42 Resp: 268

Ion Ratio Lower Upper

42 100

72 17.5 49.1 73.7#

71 81.7 43.8 65.6#



#42

1-Chlorobutane

Concen: 0.011 ug/l

RT: 5.579 min Scan# 1396

Delta R.T. 0.123 min

Lab File: VU053023.D

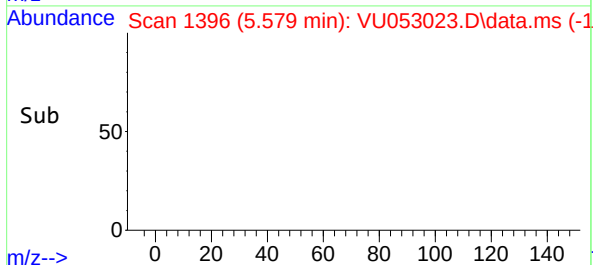
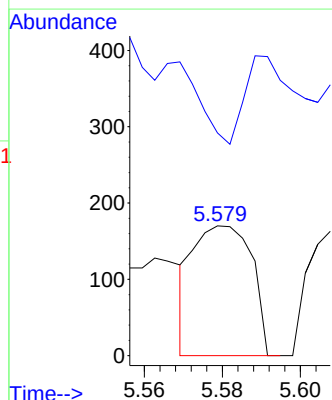
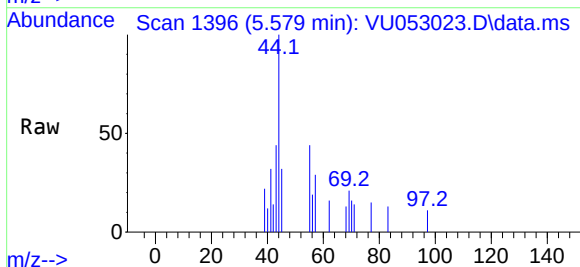
Acq: 09 Feb 2023 17:51

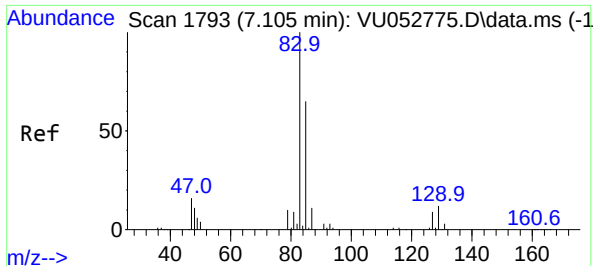
Tgt Ion: 56 Resp: 177

Ion Ratio Lower Upper

56 100

41 60.5 24.5 73.5

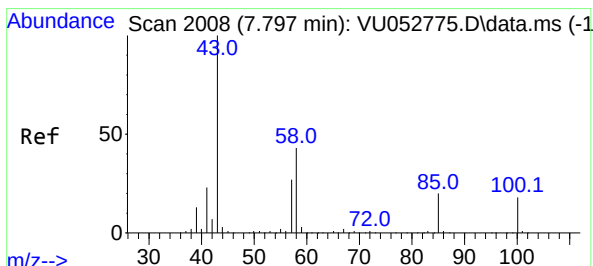
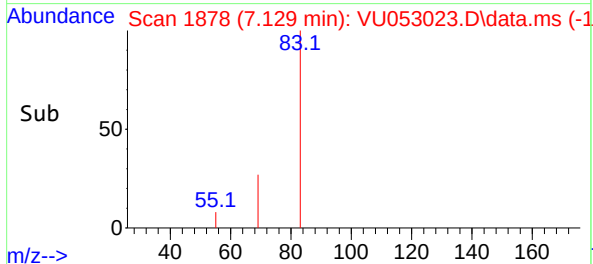
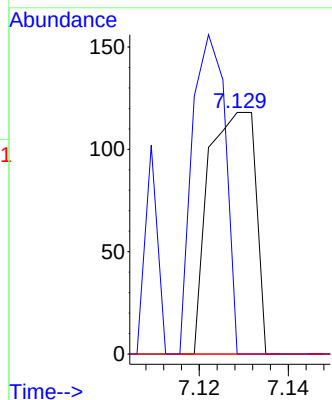
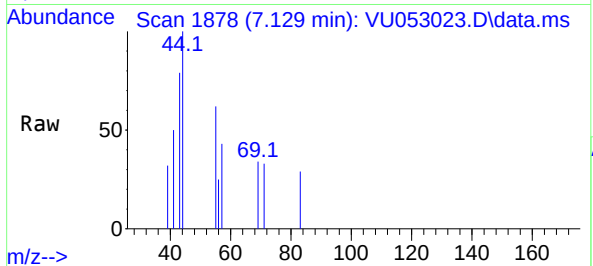




#44
Bromodichloromethane
Concen: 0.007 ug/l
RT: 7.129 min Scan# 11
Delta R.T. 0.023 min
Lab File: VU053023.D
Acq: 09 Feb 2023 17:51

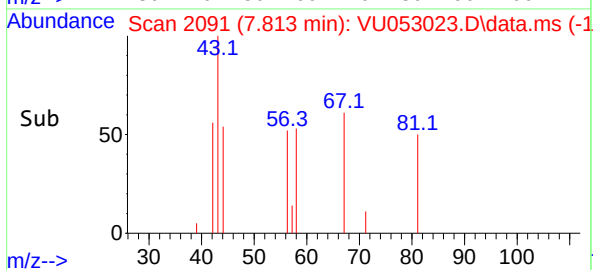
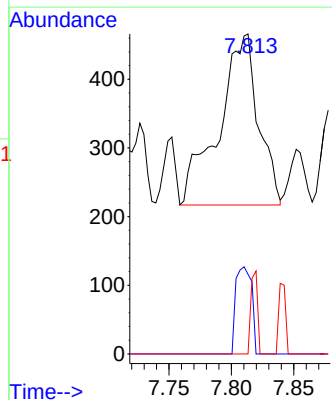
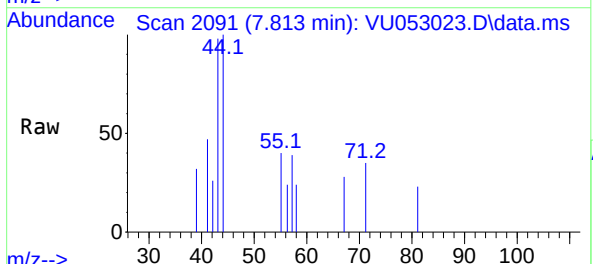
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L10-D-020723

Tgt Ion: 83 Resp: 86
Ion Ratio Lower Upper
83 100
85 0.0 52.1 78.1#
127 0.0 7.2 10.8#

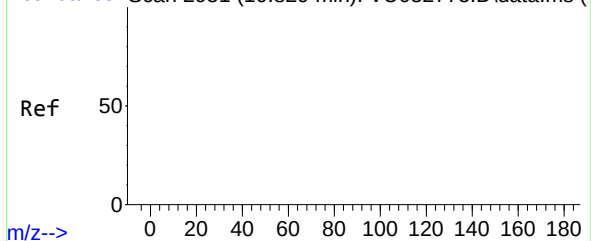


#45
4-Methyl-2-Pentanone
Concen: 0.115 ug/l
RT: 7.813 min Scan# 2091
Delta R.T. 0.017 min
Lab File: VU053023.D
Acq: 09 Feb 2023 17:51

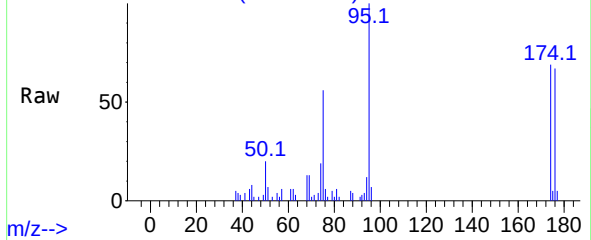
Tgt Ion: 43 Resp: 550
Ion Ratio Lower Upper
43 100
58 20.4 21.7 65.1#
85 8.2 16.2 24.4#



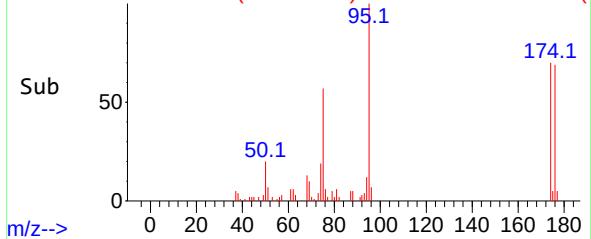
Abundance Scan 2951 (10.829 min): VU052775.D\data.ms (-1)



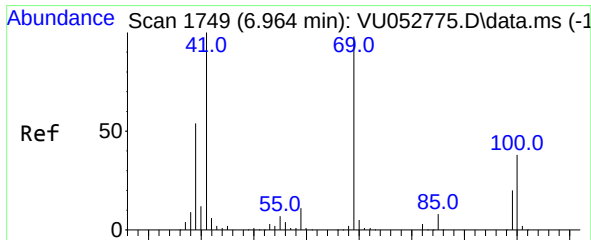
Ref



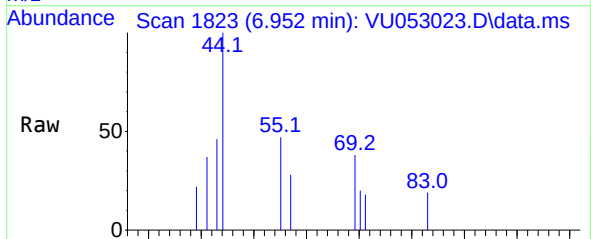
Raw



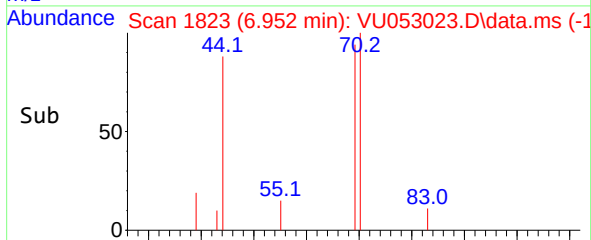
Sub



Ref



Raw

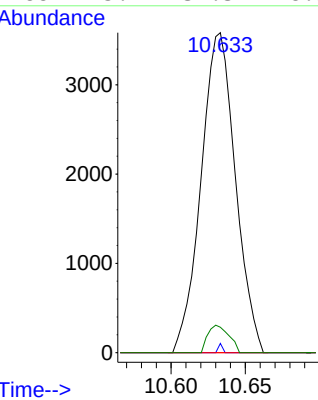


Sub

m/z-->

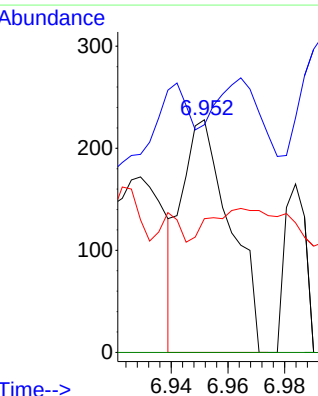
#46
t-1,4-Dichloro-2-butene
Concen: 2.292 ug/l
RT: 10.633 min Scan# 2968
Delta R.T. -0.195 min
Lab File: VU053023.D
Acq: 09 Feb 2023 17:51

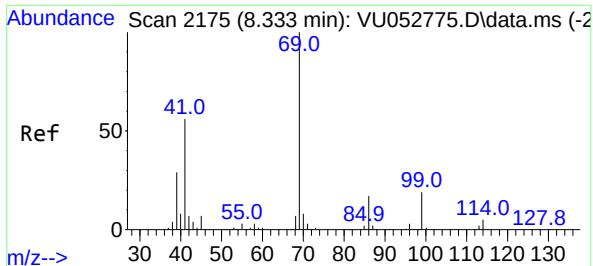
Tgt Ion:	75	Resp:	5762
Ion	Ratio	Lower	Upper
75	100		
53	0.3	57.0	85.4#
89	0.0	41.1	61.7#
88	5.2	32.3	48.5#



#47
Methyl methacrylate
Concen: 0.067 ug/l
RT: 6.952 min Scan# 1823
Delta R.T. -0.012 min
Lab File: VU053023.D
Acq: 09 Feb 2023 17:51

Tgt Ion:	69	Resp:	271
Ion	Ratio	Lower	Upper
69	100		
41	22.5	0.0	201.8
39	0.0	44.0	66.0#
100	0.0	31.5	47.3#





#48

Ethyl methacrylate

Concen: 0.015 ug/l

RT: 8.264 min Scan# 21

Delta R.T. -0.070 min

Lab File: VU053023.D

Acq: 09 Feb 2023 17:51

Instrument :

MSVOA_U

ClientSampleId :

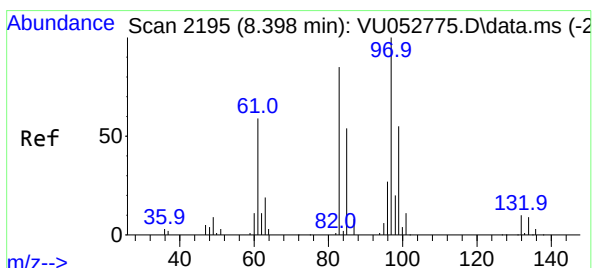
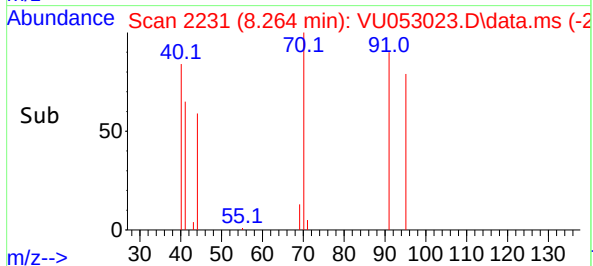
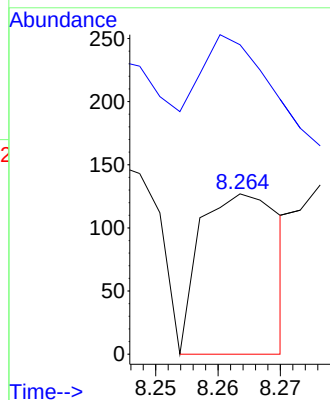
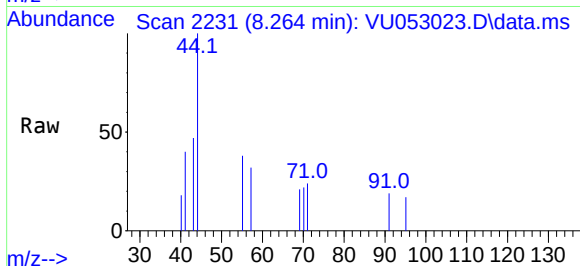
PW-B6-L10-D-020723

Tgt Ion: 69 Resp: 113

Ion Ratio Lower Upper

69 100

41 57.5 28.1 84.4



#52

1,1,2-Trichloroethane

Concen: 0.017 ug/l

RT: 8.376 min Scan# 2266

Delta R.T. -0.022 min

Lab File: VU053023.D

Acq: 09 Feb 2023 17:51

Tgt Ion: 97 Resp: 111

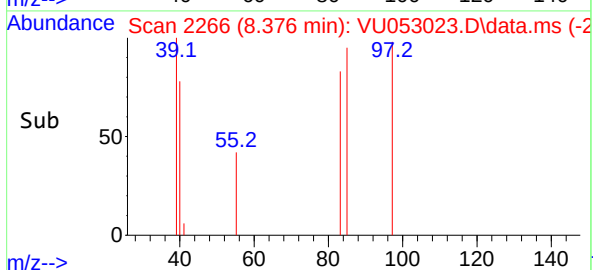
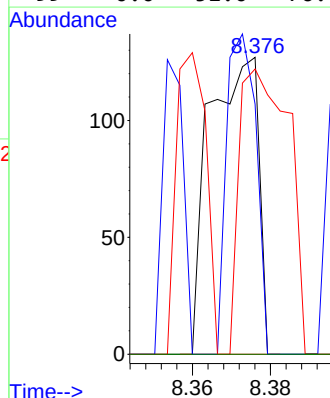
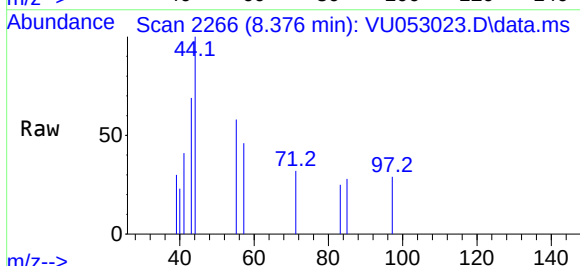
Ion Ratio Lower Upper

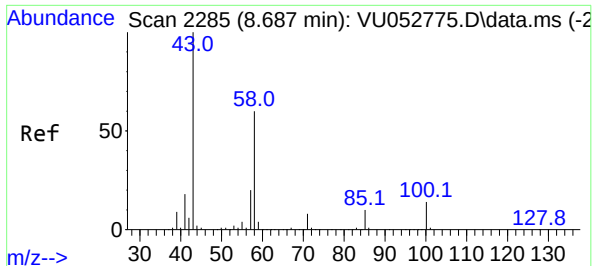
97 100

83 84.3 68.2 102.2

85 14.2 44.5 66.7#

99 0.0 51.0 76.4#

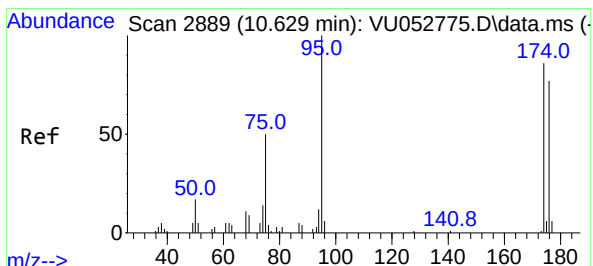
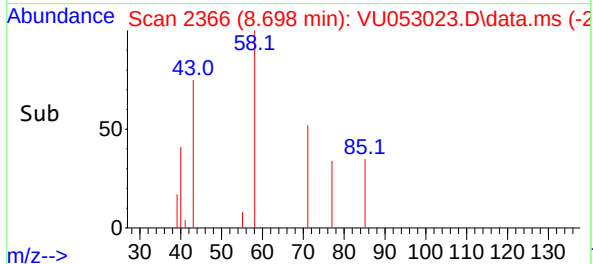
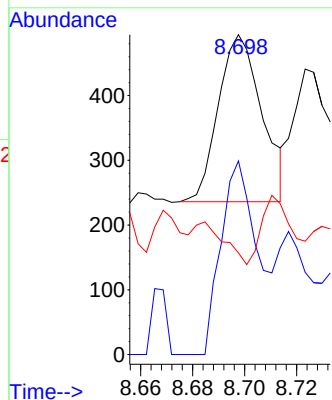
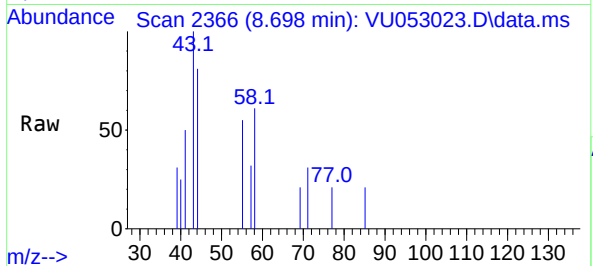




#54
2-Hexanone
Concen: 0.072 ug/l
RT: 8.698 min Scan# 21
Delta R.T. 0.010 min
Lab File: VU053023.D
Acq: 09 Feb 2023 17:51

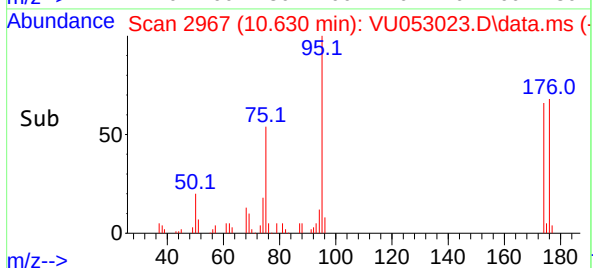
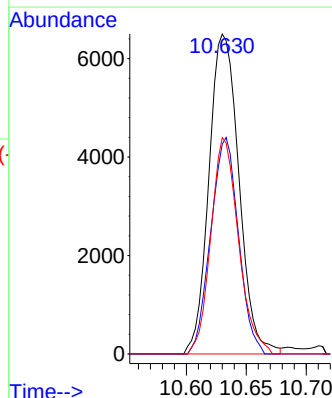
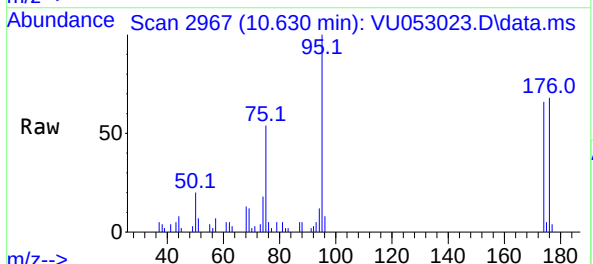
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L10-D-020723

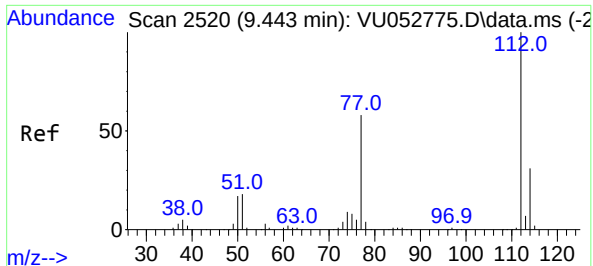
Tgt Ion:	43	Resp:	300
Ion	Ratio	Lower	Upper
43	100		
58	98.0	40.0	80.0#
57	0.0	0.6	40.6#



#57
4-Bromofluorobenzene
Concen: 1.015 ug/l
RT: 10.630 min Scan# 2967
Delta R.T. 0.001 min
Lab File: VU053023.D
Acq: 09 Feb 2023 17:51

Tgt Ion:	95	Resp:	11300
Ion	Ratio	Lower	Upper
95	100		
174	62.4	66.9	100.3#
176	62.0	61.9	92.9

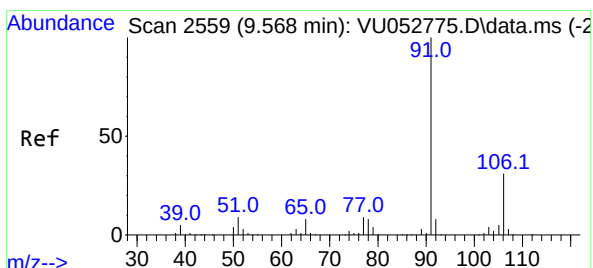
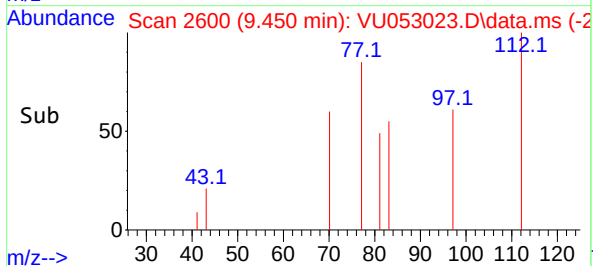
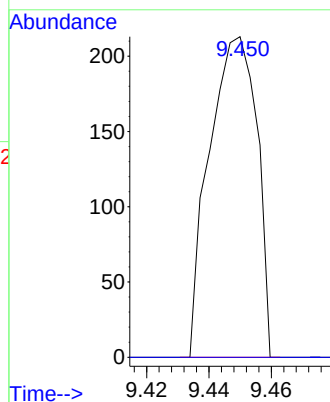
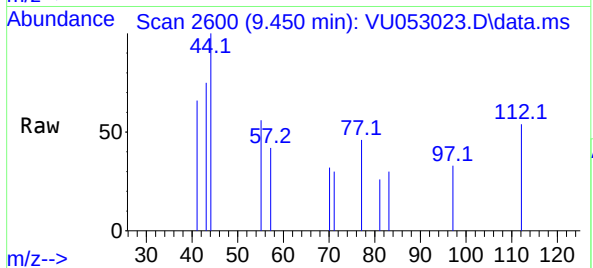




#59
Chlorobenzene
Concen: 0.010 ug/l
RT: 9.450 min Scan# 211
Delta R.T. 0.007 min
Lab File: VU053023.D
Acq: 09 Feb 2023 17:51

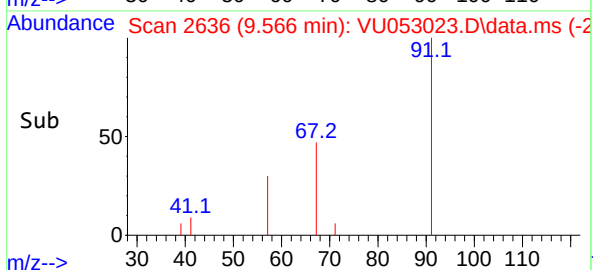
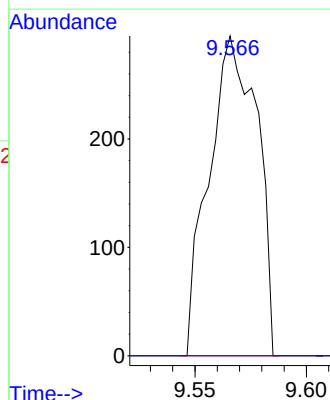
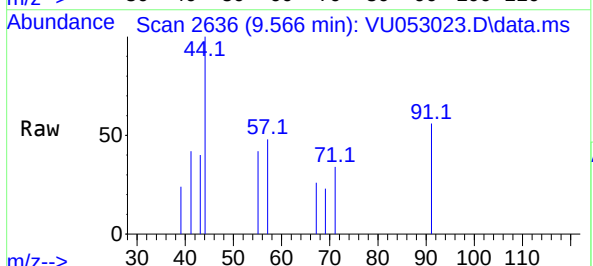
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L10-D-020723

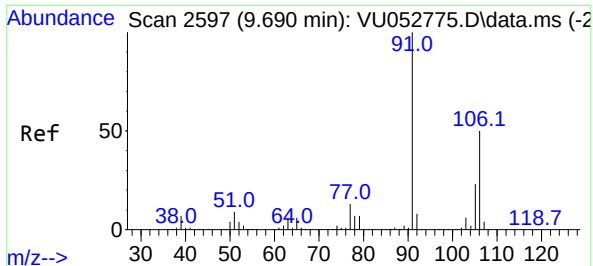
Tgt Ion:112 Resp: 226
Ion Ratio Lower Upper
112 100
114 0.0 25.2 37.8#



#63
Ethyl Benzene
Concen: 0.012 ug/l
RT: 9.566 min Scan# 2636
Delta R.T. -0.002 min
Lab File: VU053023.D
Acq: 09 Feb 2023 17:51

Tgt Ion: 91 Resp: 444
Ion Ratio Lower Upper
91 100
106 0.0 25.1 37.7#

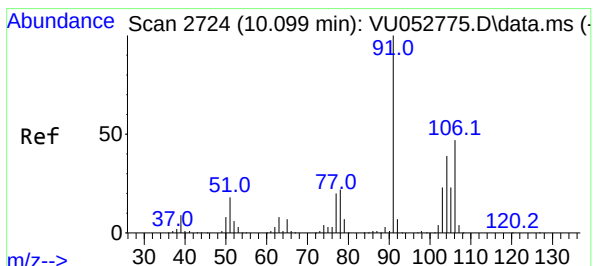
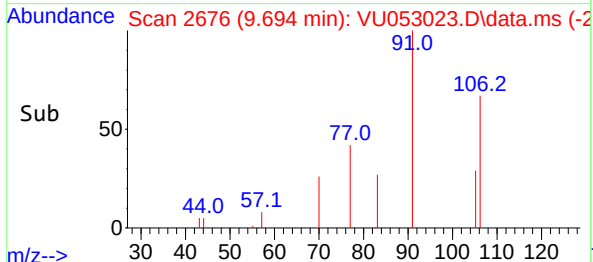
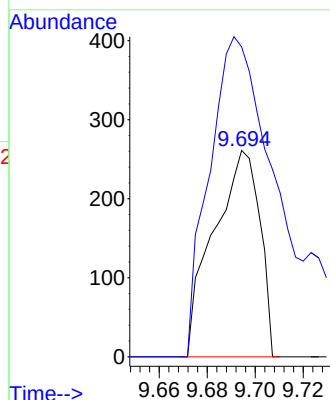
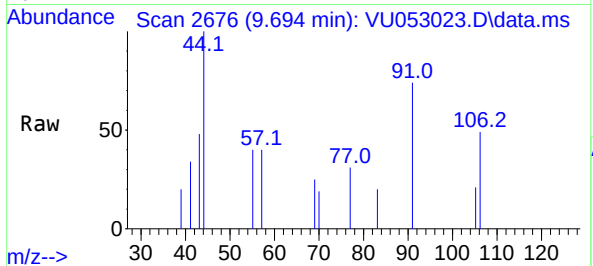




#64
m/p-Xylenes
Concen: 0.023 ug/l
RT: 9.694 min Scan# 20
Delta R.T. 0.004 min
Lab File: VU053023.D
Acq: 09 Feb 2023 17:51

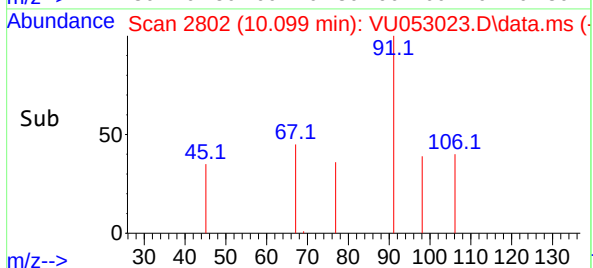
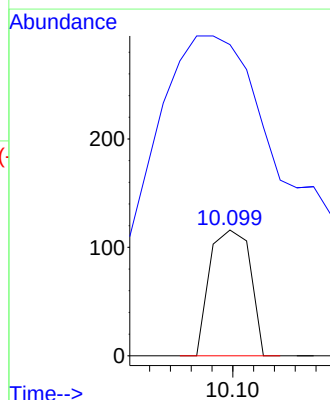
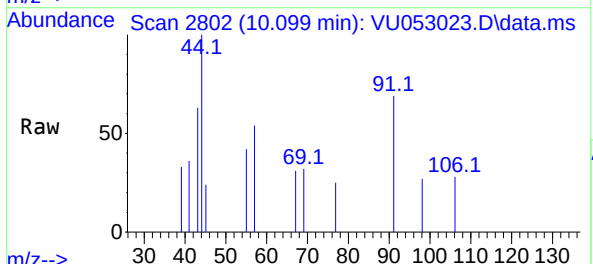
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L10-D-020723

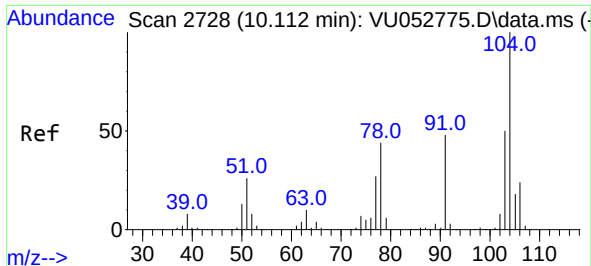
Tgt Ion:106 Resp: 348
Ion Ratio Lower Upper
106 100
91 234.2 158.7 238.1



#65
o-Xylene
Concen: 0.004 ug/l
RT: 10.099 min Scan# 2802
Delta R.T. 0.000 min
Lab File: VU053023.D
Acq: 09 Feb 2023 17:51

Tgt Ion:106 Resp: 63
Ion Ratio Lower Upper
106 100
91 839.7 105.6 316.8#

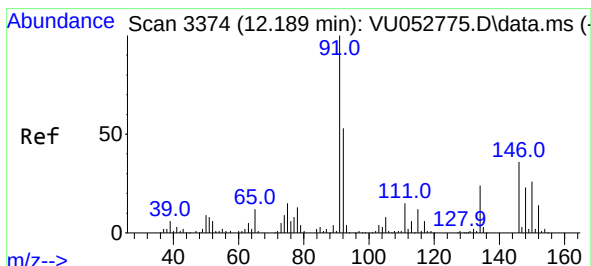
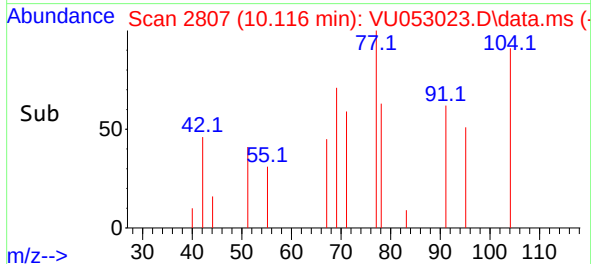
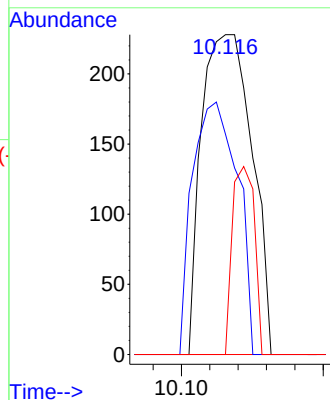
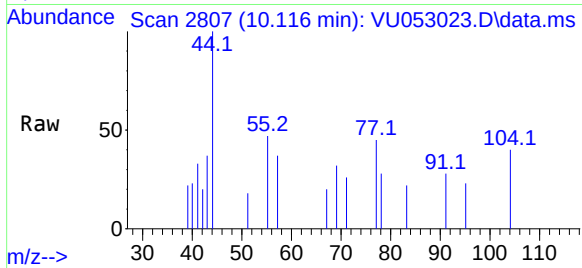




#66
Styrene
Concen: 0.430 ug/l
RT: 10.116 min Scan# 21
Delta R.T. 0.004 min
Lab File: VU053023.D
Acq: 09 Feb 2023 17:51

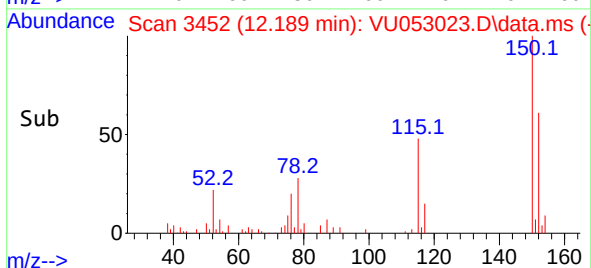
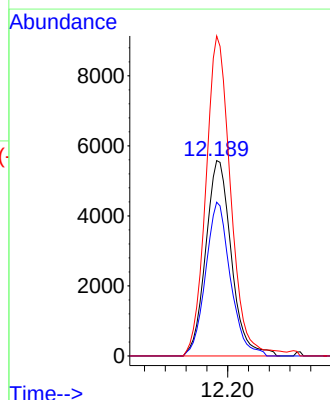
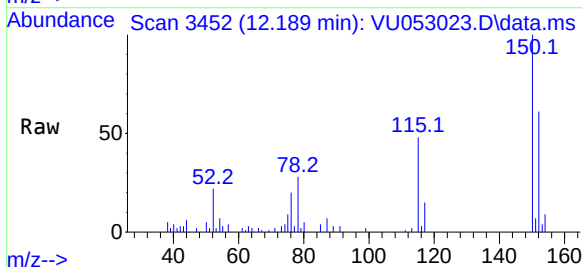
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L10-D-020723

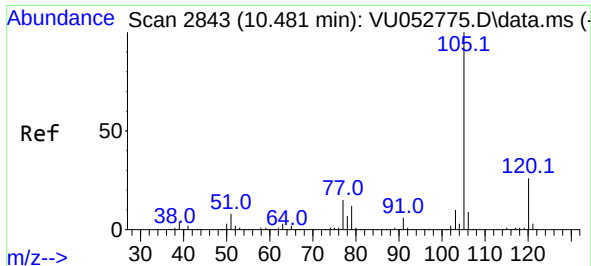
Tgt Ion:	104	Resp:	282
Ion	Ratio	Lower	Upper
104	100		
78	70.6	39.6	59.4#
103	25.5	42.9	64.3#



#68
1,2-Dichlorobenzene-d4
Concen: 0.836 ug/l
RT: 12.189 min Scan# 3452
Delta R.T. 0.001 min
Lab File: VU053023.D
Acq: 09 Feb 2023 17:51

Tgt Ion:	152	Resp:	9571
Ion	Ratio	Lower	Upper
152	100		
115	76.0	0.0	262.6
150	158.3	0.0	638.0

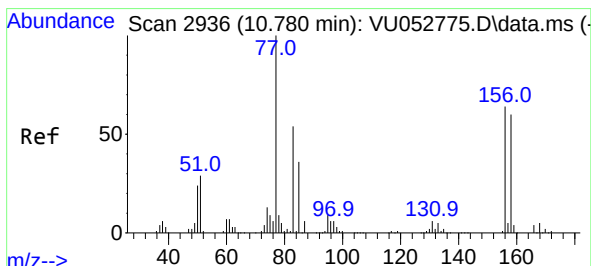
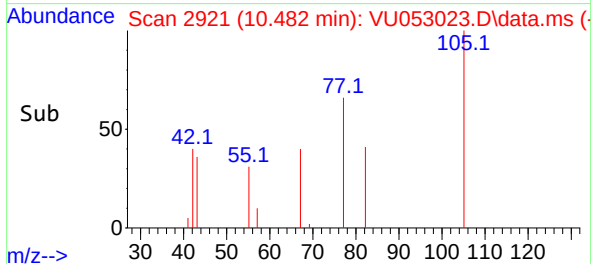
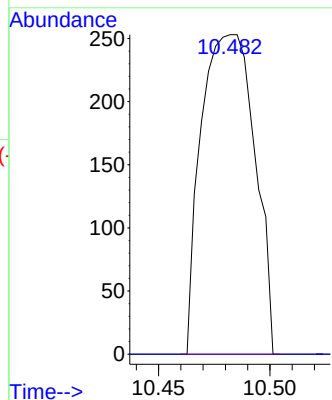
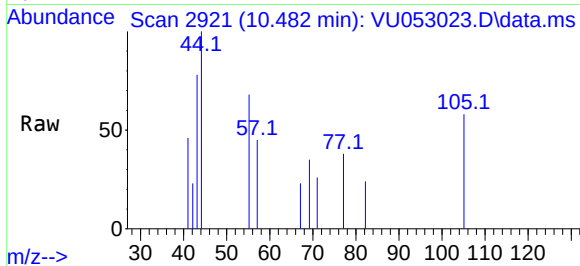




#69
Isopropylbenzene
Concen: 0.011 ug/l
RT: 10.482 min Scan# 2921
Delta R.T. 0.001 min
Lab File: VU053023.D
Acq: 09 Feb 2023 17:51

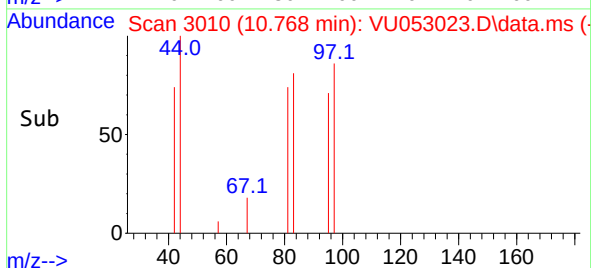
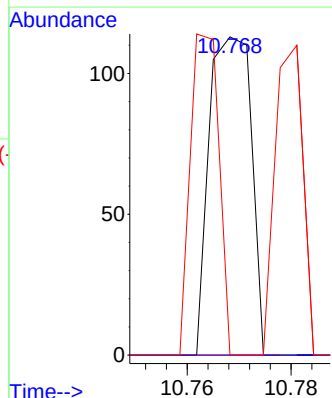
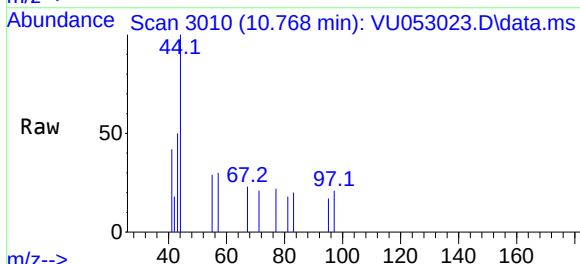
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L10-D-020723

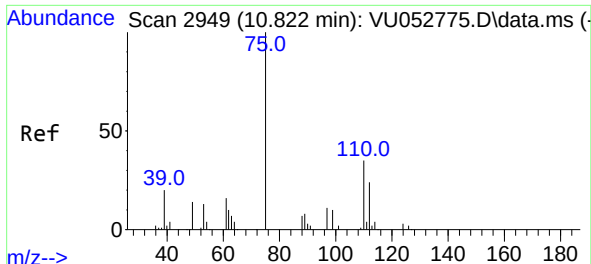
Tgt Ion:105 Resp: 423
Ion Ratio Lower Upper
105 100
120 0.0 13.3 39.9#



#70
1,1,2,2-Tetrachloroethane
Concen: 0.008 ug/l
RT: 10.768 min Scan# 3010
Delta R.T. -0.012 min
Lab File: VU053023.D
Acq: 09 Feb 2023 17:51

Tgt Ion: 83 Resp: 63
Ion Ratio Lower Upper
83 100
131 0.0 8.6 13.0#
85 69.8 52.6 78.8

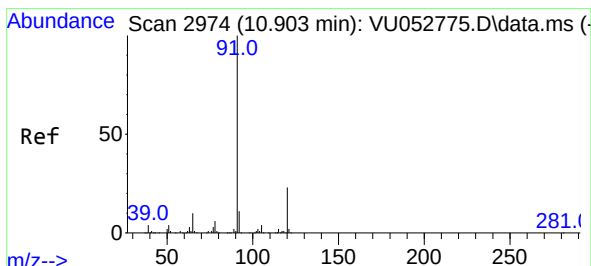
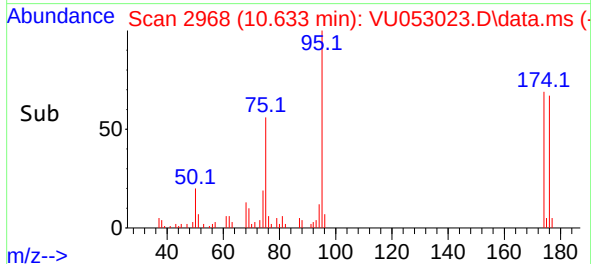
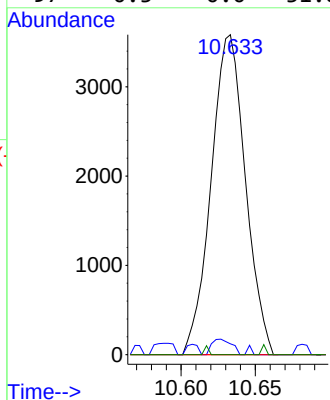
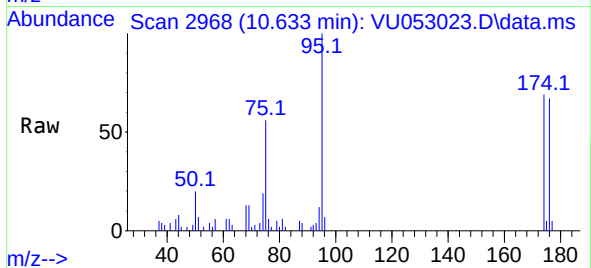




#71
1,2,3-Trichloropropane
Concen: 0.823 ug/l
RT: 10.633 min Scan# 2949
Delta R.T. -0.189 min
Lab File: VU053023.D
Acq: 09 Feb 2023 17:51

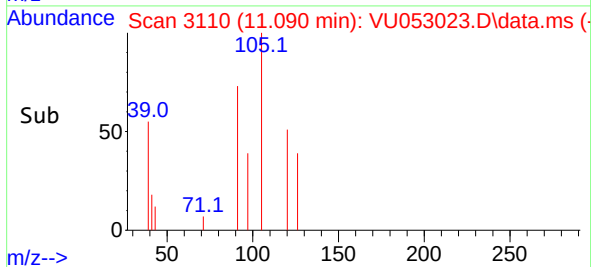
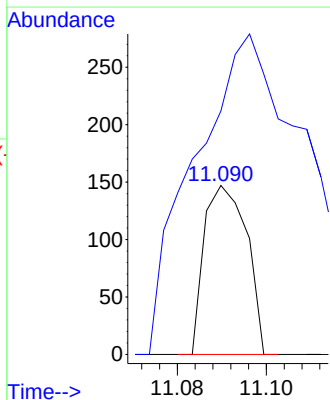
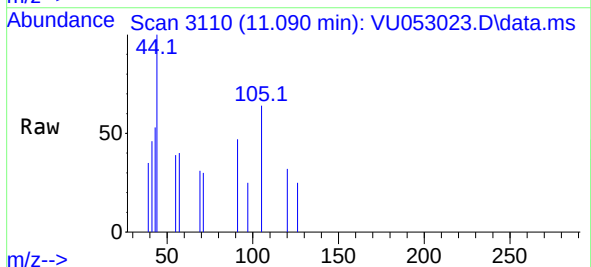
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L10-D-020723

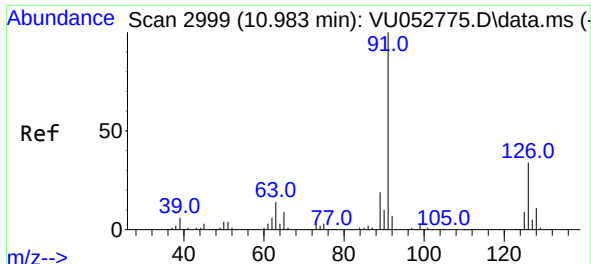
Tgt Ion:	75	Resp:	5762
Ion	Ratio	Lower	Upper
75	100		
77	2.8	0.0	86.0
110	0.0	0.0	63.8
97	0.3	0.0	31.8



#73
n-propylbenzene
Concen: 0.448 ug/l
RT: 11.090 min Scan# 3110
Delta R.T. 0.187 min
Lab File: VU053023.D
Acq: 09 Feb 2023 17:51

Tgt Ion:	120	Resp:	97
Ion	Ratio	Lower	Upper
120	100		
91	487.6	348.0	522.0

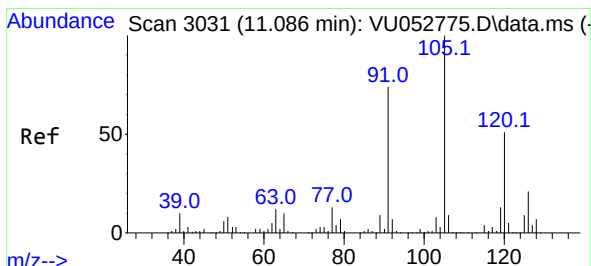
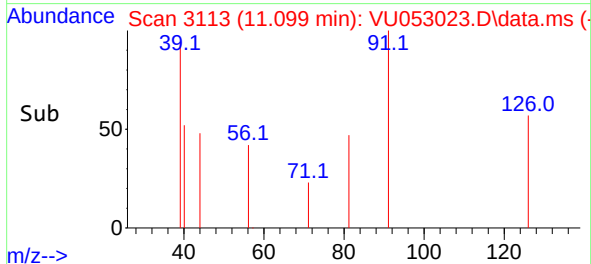
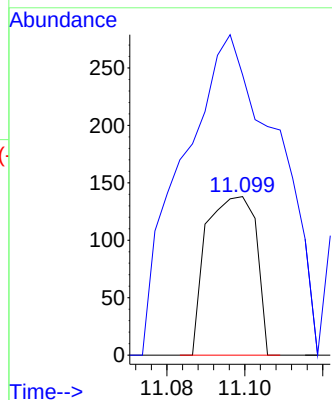
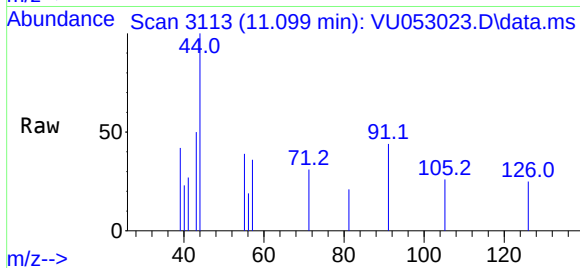




#74
2-Chlorotoluene
Concen: 0.013 ug/l
RT: 11.099 min Scan# 3113
Delta R.T. 0.116 min
Lab File: VU053023.D
Acq: 09 Feb 2023 17:51

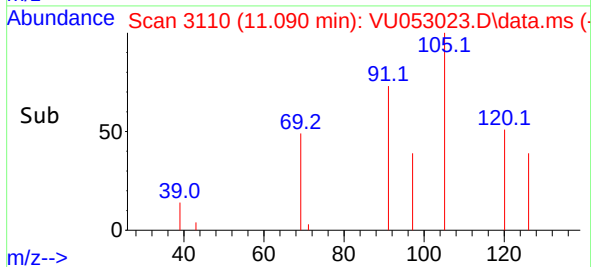
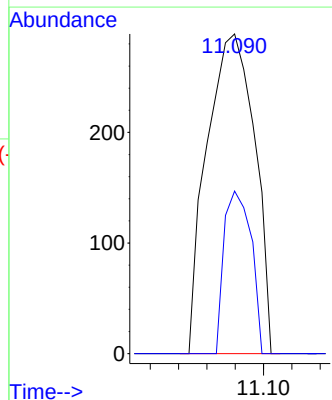
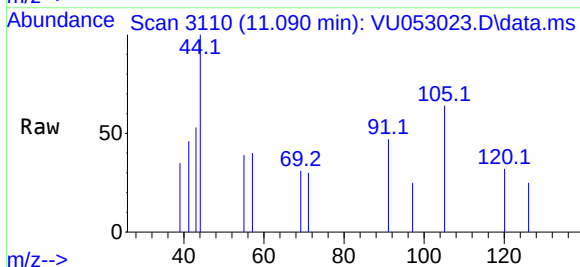
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L10-D-020723

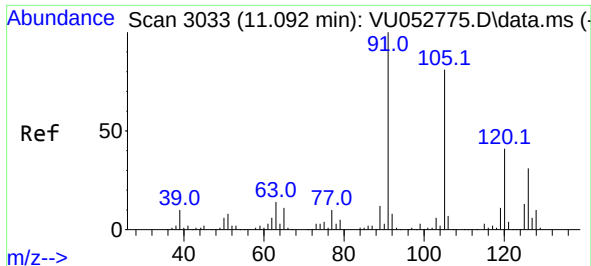
Tgt Ion:126 Resp: 122
Ion Ratio Lower Upper
126 100
91 387.7 0.0 588.6



#75
1,3,5-Trimethylbenzene
Concen: 0.428 ug/l
RT: 11.090 min Scan# 3110
Delta R.T. 0.004 min
Lab File: VU053023.D
Acq: 09 Feb 2023 17:51

Tgt Ion:105 Resp: 337
Ion Ratio Lower Upper
105 100
120 28.8 39.9 59.9#

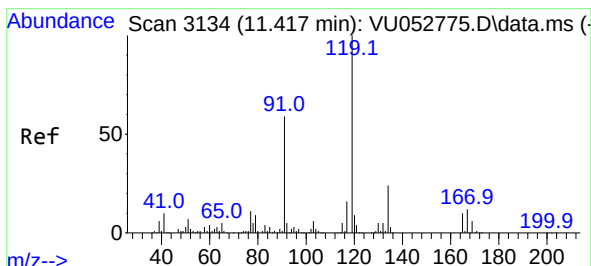
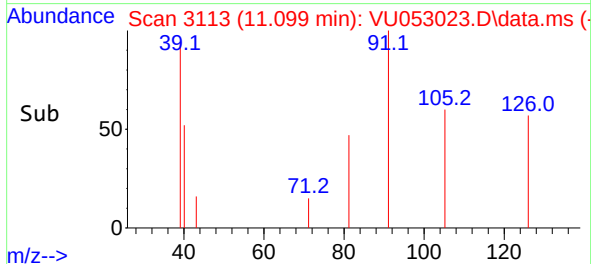
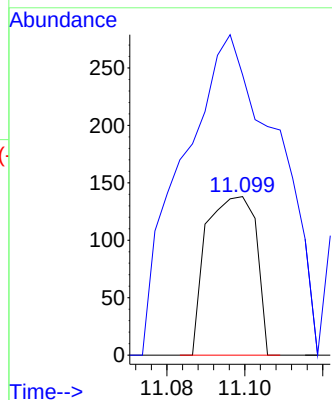
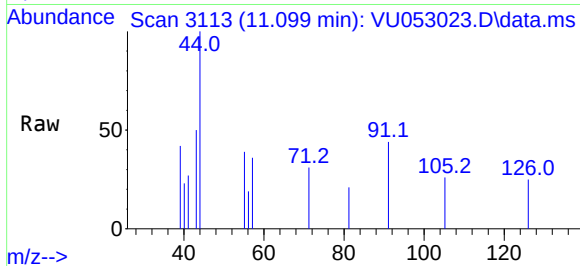




#76
4-Chlorotoluene
Concen: 0.013 ug/l
RT: 11.099 min Scan# 3113
Delta R.T. 0.007 min
Lab File: VU053023.D
Acq: 09 Feb 2023 17:51

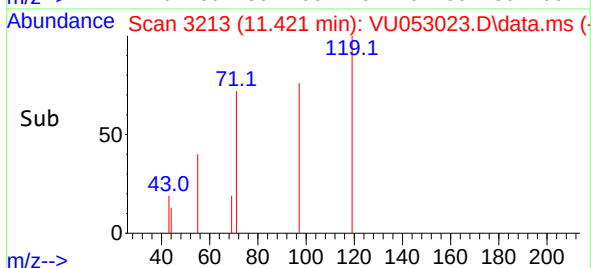
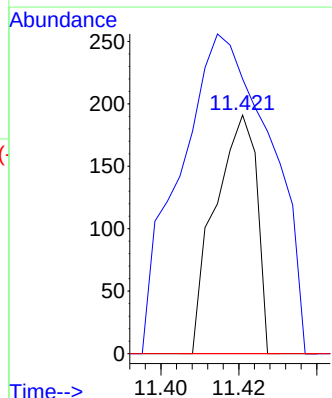
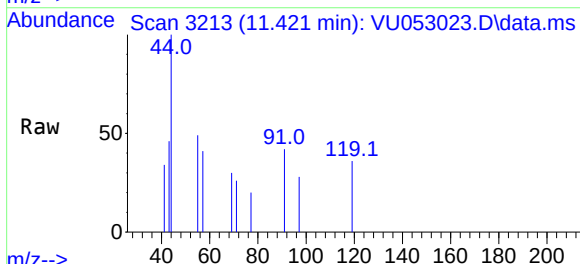
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L10-D-020723

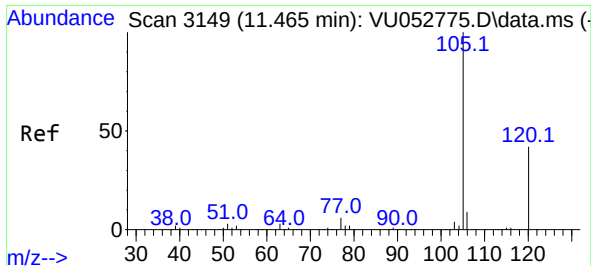
Tgt Ion:126 Resp: 122
Ion Ratio Lower Upper
126 100
91 387.7 0.0 661.8



#77
tert-Butylbenzene
Concen: 0.004 ug/l
RT: 11.421 min Scan# 3213
Delta R.T. 0.004 min
Lab File: VU053023.D
Acq: 09 Feb 2023 17:51

Tgt Ion:119 Resp: 142
Ion Ratio Lower Upper
119 100
91 291.5 28.4 85.3#
134 0.0 18.6 27.8#





#78

1,2,4-Trimethylbenzene

Concen: 0.470 ug/l

RT: 11.466 min Scan# 3149

Delta R.T. 0.001 min

Lab File: VU053023.D

Acq: 09 Feb 2023 17:51

Instrument :

MSVOA_U

ClientSampleId :

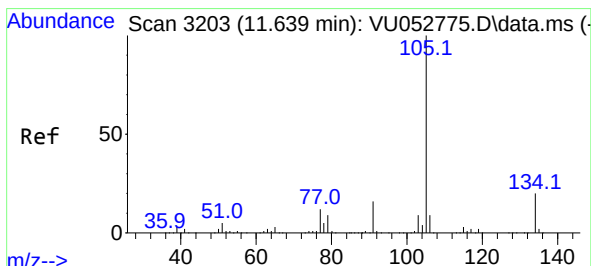
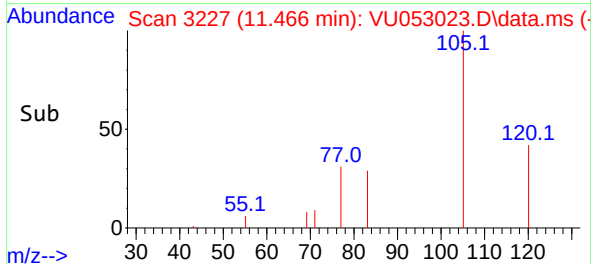
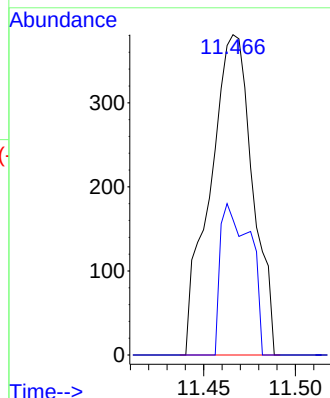
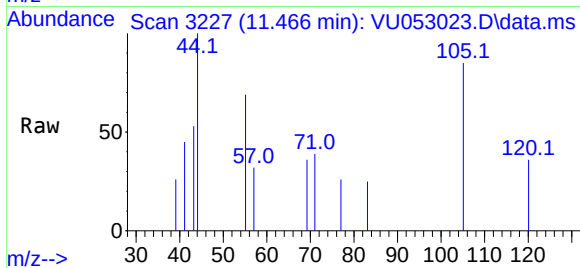
PW-B6-L10-D-020723

Tgt Ion:105 Resp: 616

Ion Ratio Lower Upper

105 100

120 33.0 23.4 70.3



#79

sec-Butylbenzene

Concen: 0.440 ug/l

RT: 11.646 min Scan# 3283

Delta R.T. 0.007 min

Lab File: VU053023.D

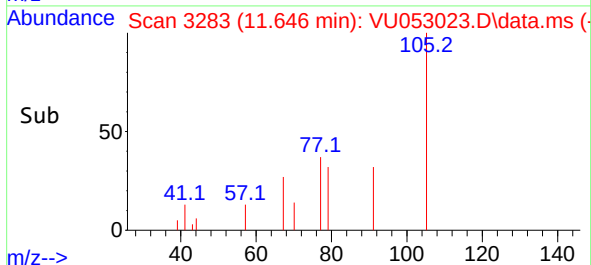
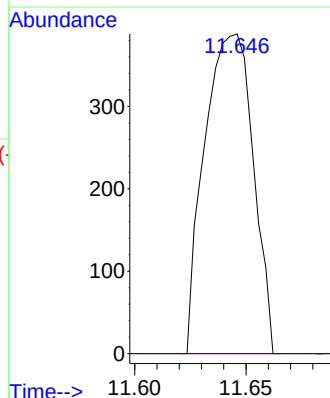
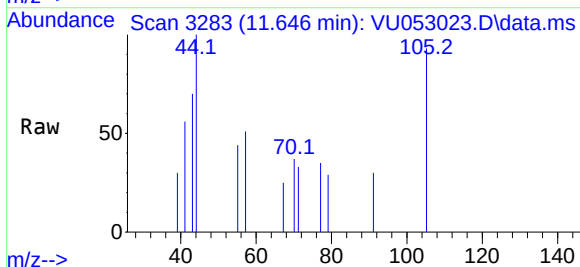
Acq: 09 Feb 2023 17:51

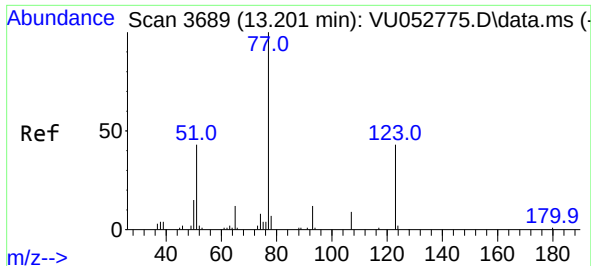
Tgt Ion:105 Resp: 588

Ion Ratio Lower Upper

105 100

134 21.4 16.5 24.7

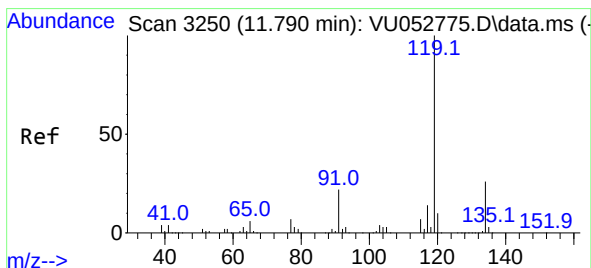
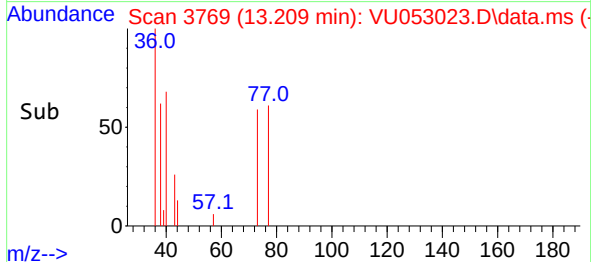
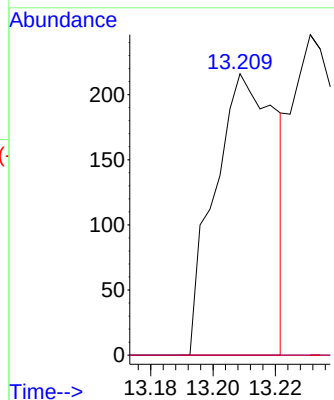
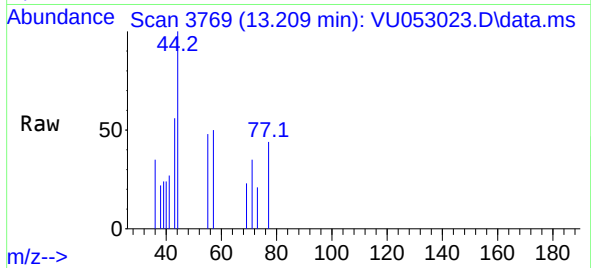




#80
Nitrobenzene
Concen: 0.587 ug/l
RT: 13.209 min Scan# 31
Delta R.T. 0.008 min
Lab File: VU053023.D
Acq: 09 Feb 2023 17:51

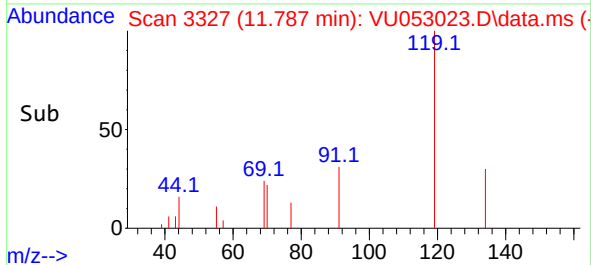
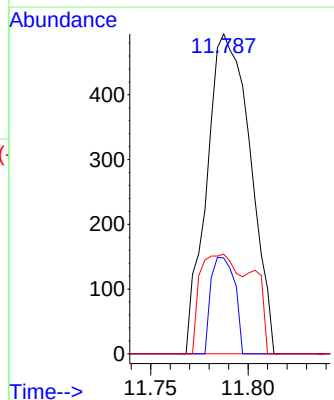
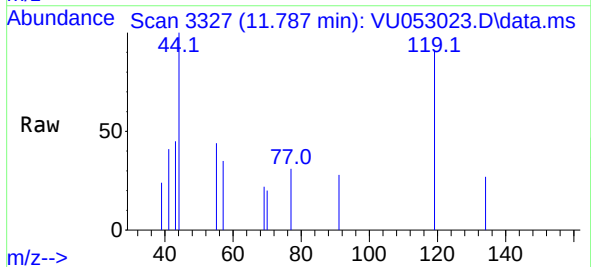
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L10-D-020723

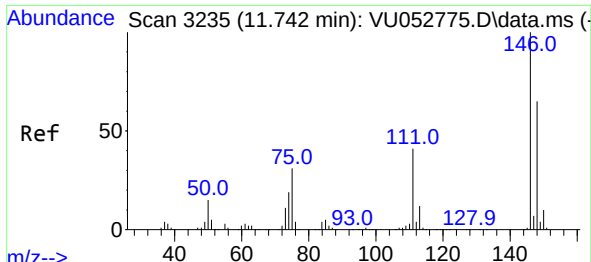
Tgt Ion: 77 Resp: 294
Ion Ratio Lower Upper
77 100
123 0.0 18.8 66.8#
65 0.0 10.1 12.9#



#81
p-Isopropyltoluene
Concen: 0.501 ug/l
RT: 11.787 min Scan# 3327
Delta R.T. -0.003 min
Lab File: VU053023.D
Acq: 09 Feb 2023 17:51

Tgt Ion: 119 Resp: 769
Ion Ratio Lower Upper
119 100
134 16.4 20.7 31.1#
91 27.8 17.6 26.4#





#82

1,3-Dichlorobenzene

Concen: 0.021 ug/l

RT: 11.836 min Scan# 3342

Delta R.T. 0.094 min

Lab File: VU053023.D

Acq: 09 Feb 2023 17:51

Instrument :

MSVOA_U

ClientSampleId :

PW-B6-L10-D-020723

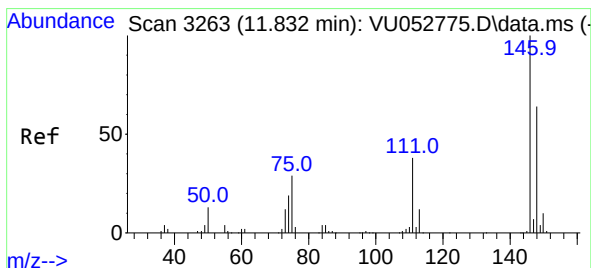
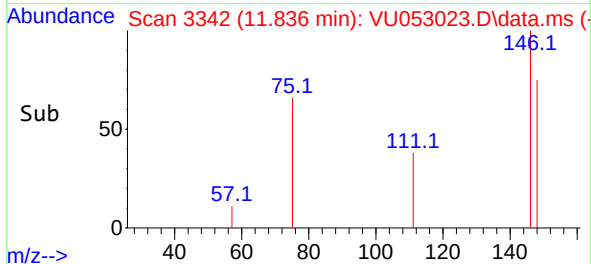
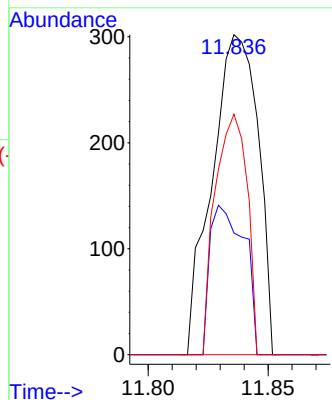
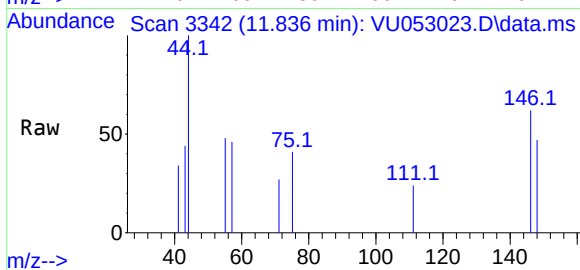
Tgt Ion:146 Resp: 404

Ion Ratio Lower Upper

146 100

111 34.7 32.6 48.8

148 52.0 51.9 77.9



#83

1,4-Dichlorobenzene

Concen: 0.021 ug/l

RT: 11.836 min Scan# 3342

Delta R.T. 0.004 min

Lab File: VU053023.D

Acq: 09 Feb 2023 17:51

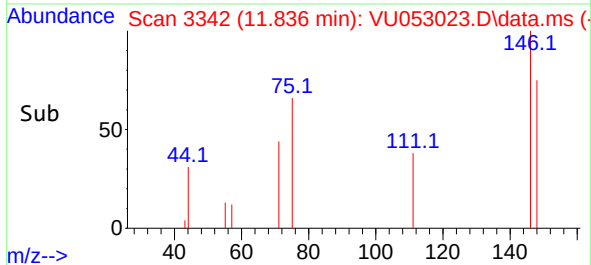
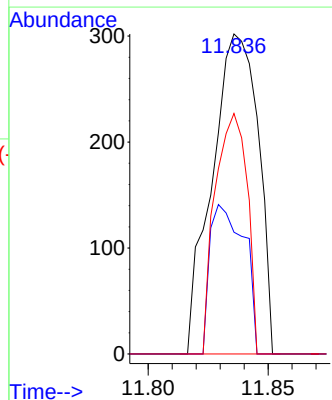
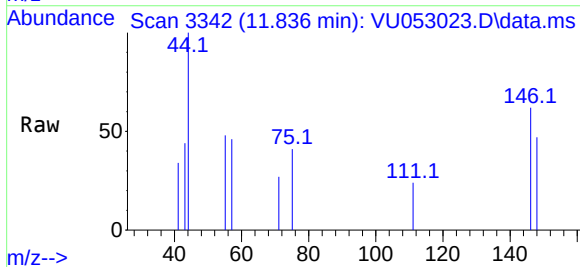
Tgt Ion:146 Resp: 404

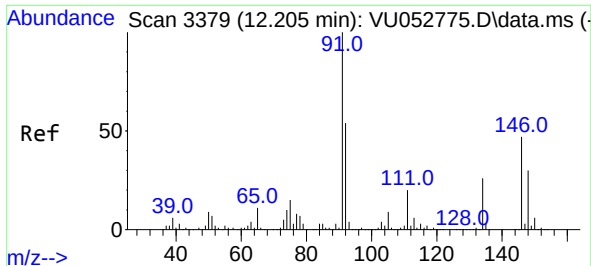
Ion Ratio Lower Upper

146 100

111 34.7 29.5 44.3

148 52.0 51.4 77.0

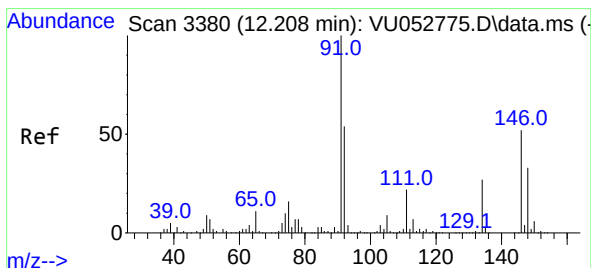
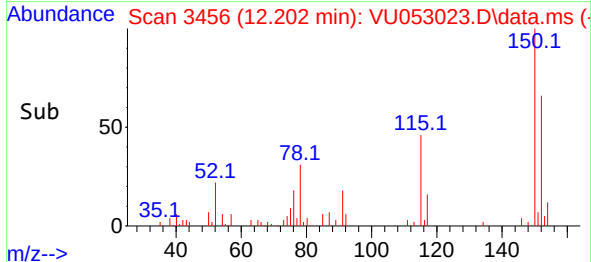
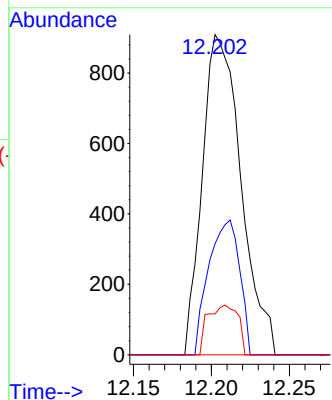
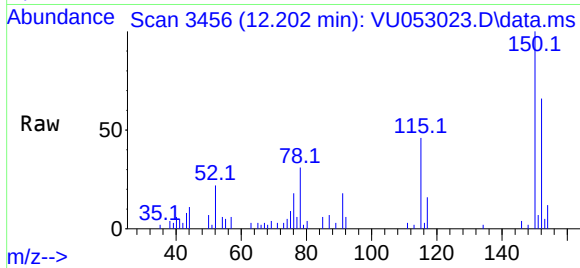




#84
n-Butylbenzene
Concen: 0.593 ug/l
RT: 12.202 min Scan# 3456
Delta R.T. -0.003 min
Lab File: VU053023.D
Acq: 09 Feb 2023 17:51

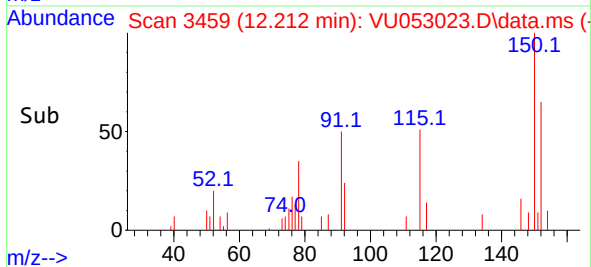
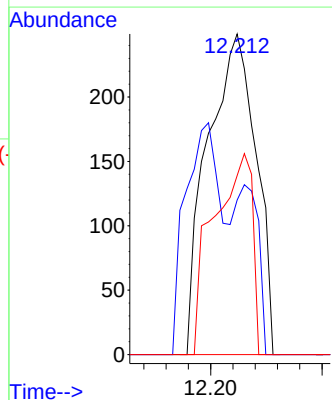
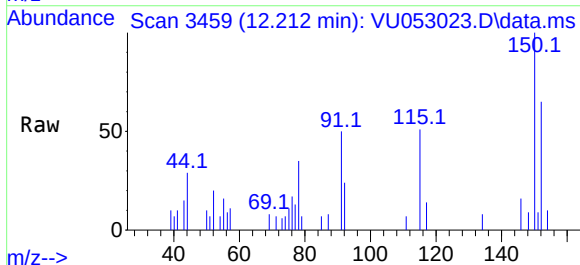
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L10-D-020723

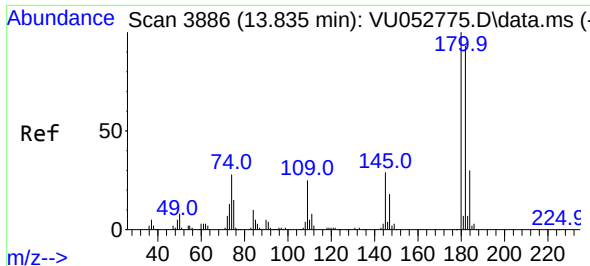
Tgt Ion: 91	Resp:	1568
Ion	Ratio	Lower Upper
91	100	
92	33.5	43.4 65.0#
134	12.1	21.2 31.8#



#85
1,2-Dichlorobenzene
Concen: 0.021 ug/l
RT: 12.212 min Scan# 3459
Delta R.T. 0.004 min
Lab File: VU053023.D
Acq: 09 Feb 2023 17:51

Tgt Ion: 146	Resp:	376
Ion	Ratio	Lower Upper
146	100	
111	24.7	20.8 62.5
148	50.3	31.4 94.2

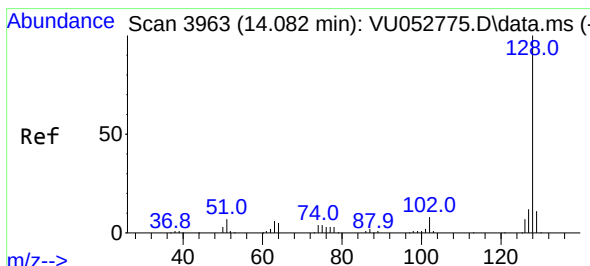
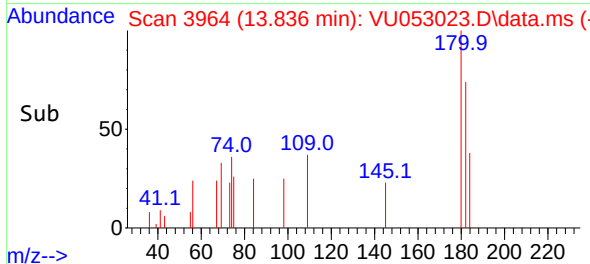
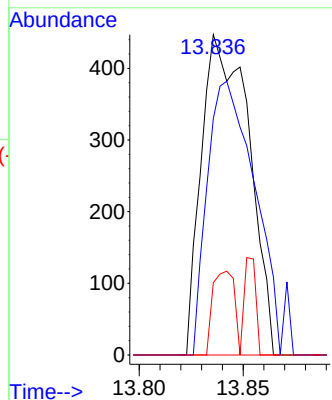
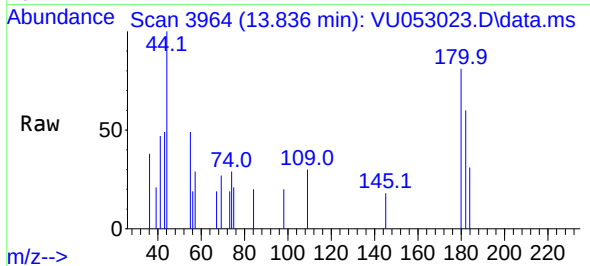




#87
1,2,4-Trichlorobenzene
Concen: 0.065 ug/l
RT: 13.836 min Scan# 3964
Delta R.T. 0.001 min
Lab File: VU053023.D
Acq: 09 Feb 2023 17:51

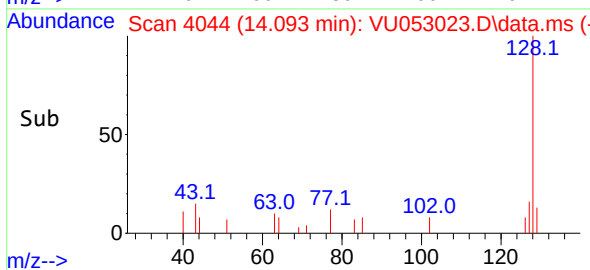
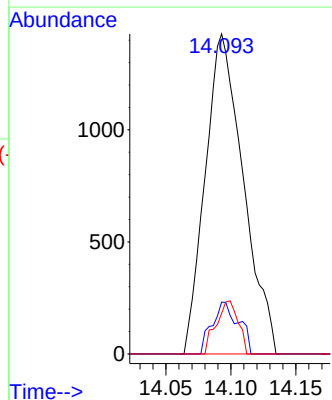
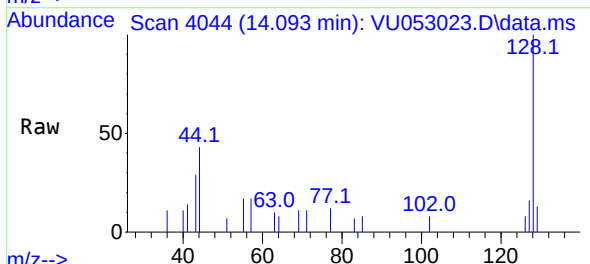
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L10-D-020723

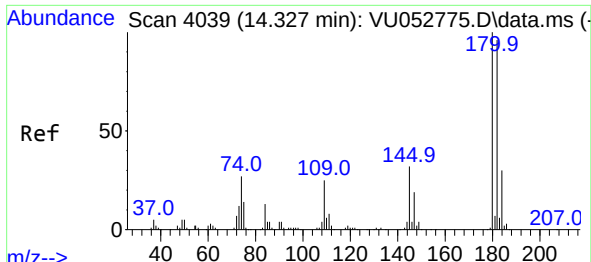
Tgt Ion:180 Resp: 708
Ion Ratio Lower Upper
180 100
182 88.0 74.6 112.0
145 11.9 23.4 35.0#



#89
Naphthalene
Concen: 0.137 ug/l
RT: 14.093 min Scan# 4044
Delta R.T. 0.010 min
Lab File: VU053023.D
Acq: 09 Feb 2023 17:51

Tgt Ion:128 Resp: 2904
Ion Ratio Lower Upper
128 100
127 11.3 10.2 15.4
129 9.5 8.6 12.8





#90

1,2,3-Trichlorobenzene

Concen: 0.060 ug/l

RT: 14.334 min Scan# 4119

Delta R.T. 0.007 min

Lab File: VU053023.D

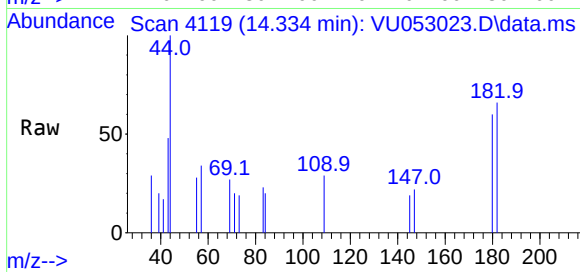
Acq: 09 Feb 2023 17:51

Instrument :

MSVOA_U

ClientSampleId :

PW-B6-L10-D-020723



Tgt Ion:180 Resp: 619

Ion Ratio Lower Upper

180 100

182 113.4 77.8 116.6

145 33.8 25.2 37.8

