

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020923\
 Data File : VU053025.D
 Acq On : 09 Feb 2023 18:53
 Operator : JC/MD
 Sample : 01479-04
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Feb 10 01:23:32 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	6.112	96	31243	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	11151	1.073	ug/l	0.00
Spiked Amount 1.000			Recovery	=	107.000%	
68) 1,2-Dichlorobenzene-d4	12.189	152	9360	0.876	ug/l	0.00
Spiked Amount 1.000			Recovery	=	88.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.373	85	120	0.011	ug/l	# 43
3) Chloromethane	1.518	50	869	0.087	ug/l	# 86
4) Vinyl Chloride	1.601	62	61	0.006	ug/l	# 42
5) Bromomethane	1.984	94	21	0.004	ug/l	# 82
8) 1,1,2-Trichloro-1,2,2-...	2.585	101	2192	0.284	ug/l	# 87
9) 1,1-Dichloroethene	2.569	96	65	0.009	ug/l	# 87
10) Iodomethane	2.720	142	122	0.015	ug/l	# 32
11) Allyl Chloride	2.990	41	354	0.041	ug/l	# 91
12) Acrylonitrile	3.312	53	35	0.023	ug/l	# 1
13) Acetone	2.650	43	71	0.032	ug/l	# 79
14) Carbon Disulfide	2.794	76	392	0.016	ug/l	# 75
15) Methylene Chloride	3.042	84	2021	0.230	ug/l	# 90
16) trans-1,2-Dichloroethene	3.367	96	48	0.006	ug/l	# 1
17) 1,1-Dichloroethane	3.862	63	942	0.069	ug/l	# 86
18) 2-Butanone	4.688	43	184	0.072	ug/l	# 99
19) Cyclohexane	5.344	56	207	0.017	ug/l	# 55
20) Methylcyclohexane	6.752	83	94	0.007	ug/l	# 87
21) 2,2-Dichloropropane	4.621	77	248	0.019	ug/l	# 96
22) cis-1,2-Dichloroethene	4.659	96	1864	0.220	ug/l	# 97
23) Diethyl Ether	2.389	59	67	0.013	ug/l	# 33
24) tert-Butyl Alcohol	3.299	59	19	0.031	ug/l	# 1
25) Methyl tert-Butyl Ether	3.363	73	4428	0.265	ug/l	# 85
26) Bromochloromethane	4.932	128	40	0.010	ug/l	# 1
27) Chloroform	5.093	83	263	0.018	ug/l	# 51
28) 1,1,1-Trichloroethane	5.328	97	49	0.004	ug/l	# 1
30) Carbon Tetrachloride	5.350	117	61	0.005	ug/l	# 12
31) Isopropyl Ether	3.974	45	159	0.008	ug/l	# 78
32) Ethyl-t-butyl ether	4.505	59	39	0.002	ug/l	# 31
33) Tert-Amyl methyl ether	6.112	73	618	0.038	ug/l	# 64
34) Propionitrile	4.820	54	142	0.244	ug/l	# 59
35) Benzene	5.772	78	732	0.022	ug/l	# 65
36) 1,2-Dichloroethane	5.698	62	20	0.002	ug/l	# 1
37) Trichloroethene	6.540	130	8942	0.989	ug/l	# 85
39) Methacrylonitrile	4.971	41	176	0.076	ug/l	# 58
40) Methyl acrylate	4.849	55	144	0.035	ug/l	# 1
41) Tetrahydrofuran	5.055	42	63	0.054	ug/l	# 13
42) 1-Chlorobutane	5.620	56	119	0.008	ug/l	# 95
44) Bromodichloromethane	7.106	83	104	0.009	ug/l	# 91
45) 4-Methyl-2-Pentanone	7.775	43	102	0.023	ug/l	# 61
46) t-1,4-Dichloro-2-butene	10.630	75	5655	2.410	ug/l	# 26
47) Methyl methacrylate	6.971	69	153	0.040	ug/l	# 44
48) Ethyl methacrylate	8.321	69	83	0.012	ug/l	# 82
52) 1,1,2-Trichloroethane	8.399	97	104	0.017	ug/l	# 15

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 Sample : 01479-04
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

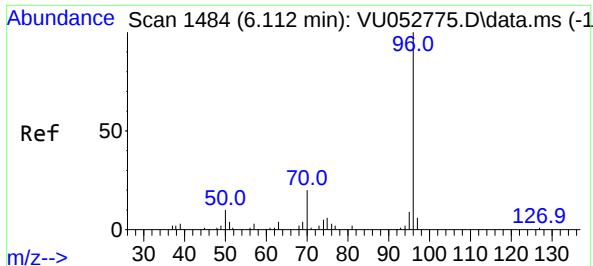
Instrument :
 MSVOA_U
 ClientSampleId :
 PW-B6-L10-U-020723

Quant Time: Feb 10 01:23:32 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)

54) 2-Hexanone	8.688	43	52	0.013	ug/l #	1
58) Tetrachloroethene	8.550	164	7771	0.952	ug/l	91
59) Chlorobenzene	9.456	112	42	0.002	ug/l #	43
63) Ethyl Benzene	9.575	91	277	0.008	ug/l #	43
66) Styrene	10.119	104	221	0.429	ug/l #	51
69) Isopropylbenzene	10.482	105	1009	0.029	ug/l #	69
70) 1,1,2,2-Tetrachloroethane	10.768	83	41	0.005	ug/l #	25
71) 1,2,3-Trichloropropane	10.630	75	5655	0.865	ug/l #	44
75) 1,3,5-Trimethylbenzene	11.090	105	126	0.423	ug/l #	27
78) 1,2,4-Trimethylbenzene	11.466	105	552	0.469	ug/l	65
79) sec-Butylbenzene	11.640	105	176	0.433	ug/l #	56
80) Nitrobenzene	13.231	77	41	0.088	ug/l #	41
81) p-Isopropyltoluene	11.791	119	204	0.489	ug/l #	50
82) 1,3-Dichlorobenzene	11.829	146	40	0.002	ug/l #	24
83) 1,4-Dichlorobenzene	11.829	146	40	0.002	ug/l #	25
84) n-Butylbenzene	12.209	91	272	0.561	ug/l #	68
85) 1,2-Dichlorobenzene	12.205	146	100	0.006	ug/l #	1
87) 1,2,4-Trichlorobenzene	13.845	180	19	0.002	ug/l #	1
89) Naphthalene	14.106	128	669	0.034	ug/l #	79
90) 1,2,3-Trichlorobenzene	14.324	180	68	0.007	ug/l #	11

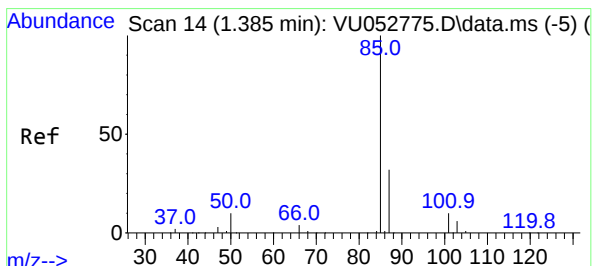
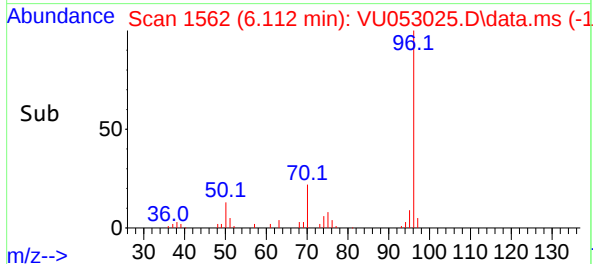
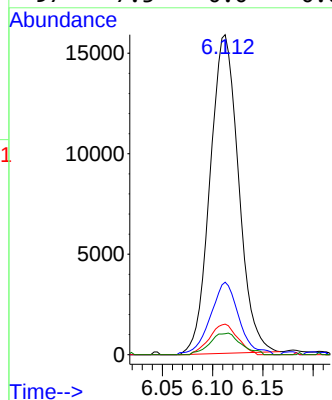
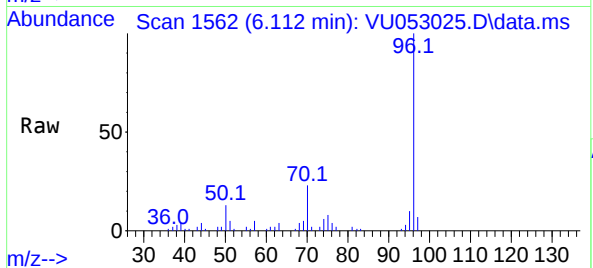
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#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.112 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU053025.D
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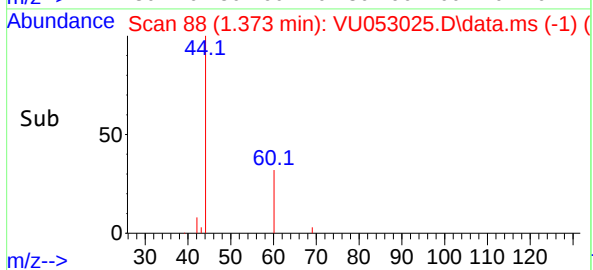
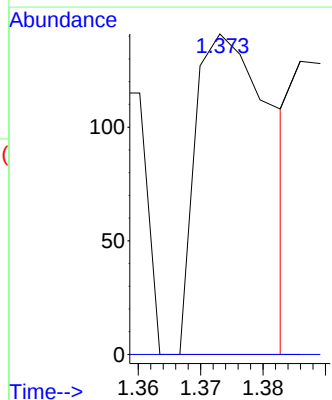
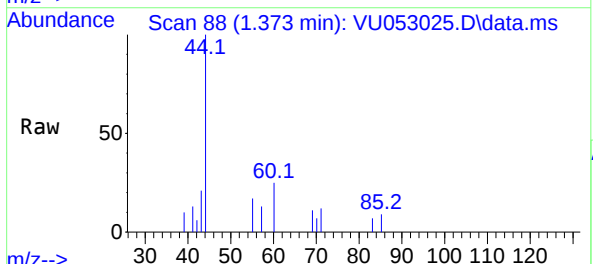
Instrument :
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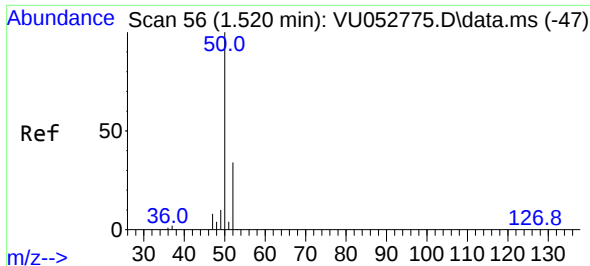
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Ion Ratio	Lower Upper
96 100	
70 22.8	16.2 24.4
95 9.5	7.4 11.0
97 7.3	0.0 0.0#



#2
Dichlorodifluoromethane
Concen: 0.011 ug/l
RT: 1.373 min Scan# 88
Delta R.T. -0.012 min
Lab File: VU053025.D
Acq: 09 Feb 2023 18:53

Tgt Ion: 85	Resp: 120
Ion Ratio	Lower Upper
85 100	
87 0.0	16.1 48.2#

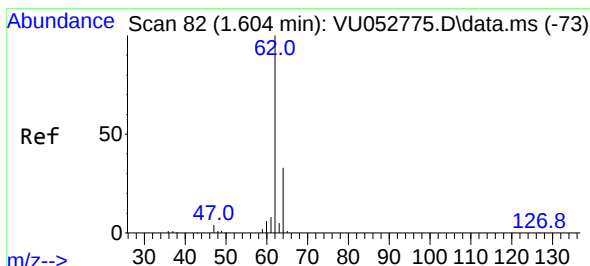
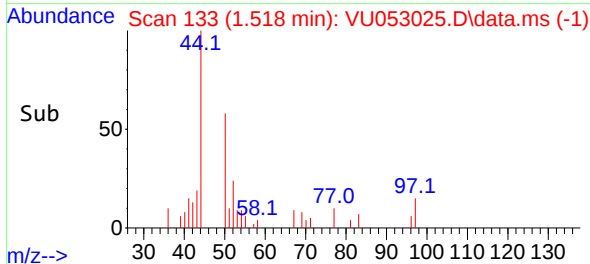
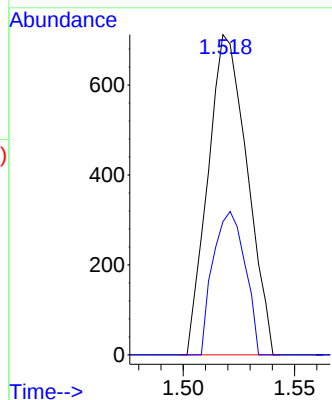
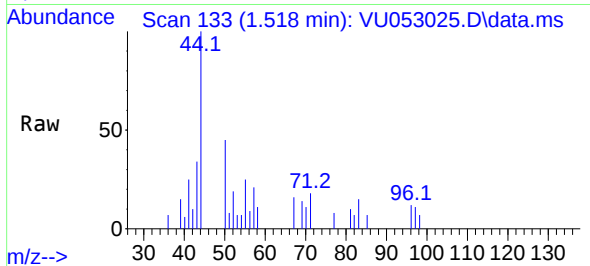




#3
Chloromethane
Concen: 0.087 ug/l
RT: 1.518 min Scan# 11
Delta R.T. -0.002 min
Lab File: VU053025.D
Acq: 09 Feb 2023 18:53

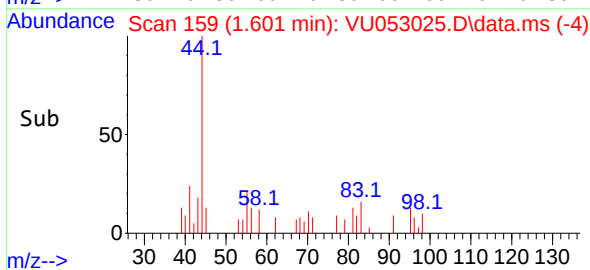
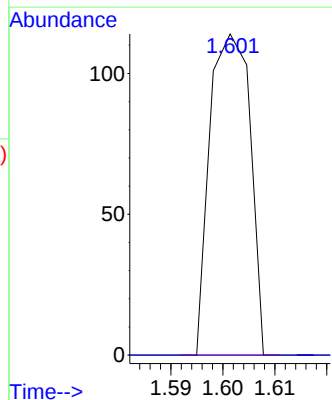
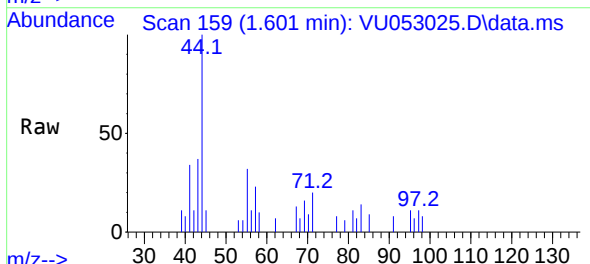
Instrument :
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ClientSampleId :
PW-B6-L10-U-020723

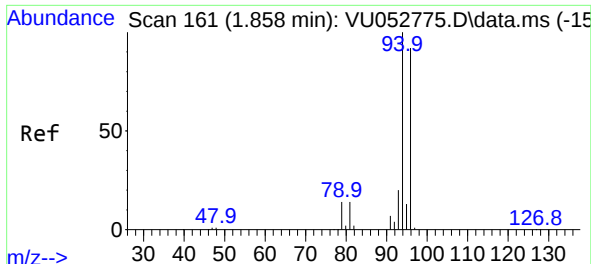
Tgt Ion: 50 Resp: 869
Ion Ratio Lower Upper
50 100
52 41.6 26.8 40.2#



#4
Vinyl Chloride
Concen: 0.006 ug/l
RT: 1.601 min Scan# 159
Delta R.T. -0.002 min
Lab File: VU053025.D
Acq: 09 Feb 2023 18:53

Tgt Ion: 62 Resp: 61
Ion Ratio Lower Upper
62 100
64 0.0 26.0 39.0#

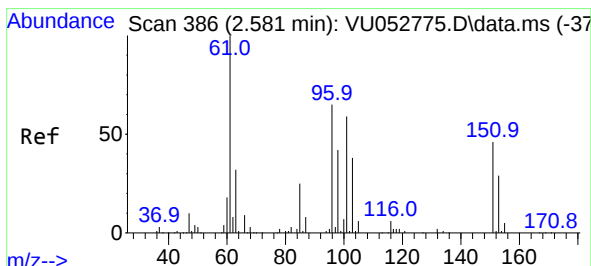
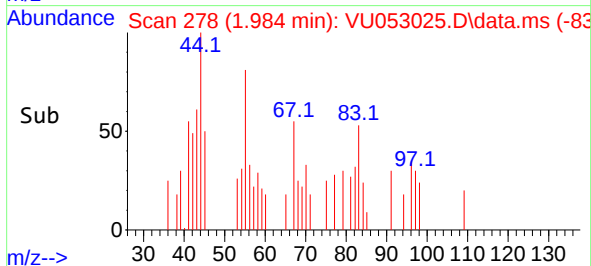
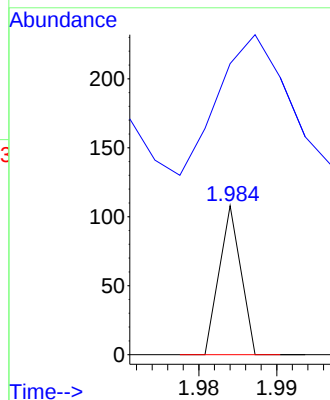
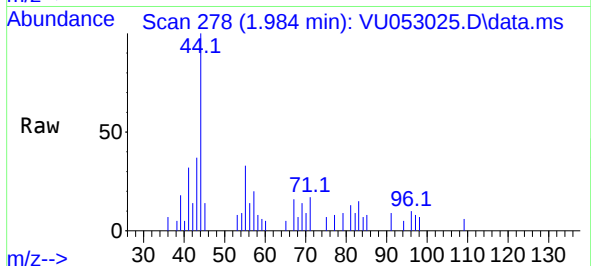




#5
Bromomethane
Concen: 0.004 ug/l
RT: 1.984 min Scan# 21
Delta R.T. 0.126 min
Lab File: VU053025.D
Acq: 09 Feb 2023 18:53

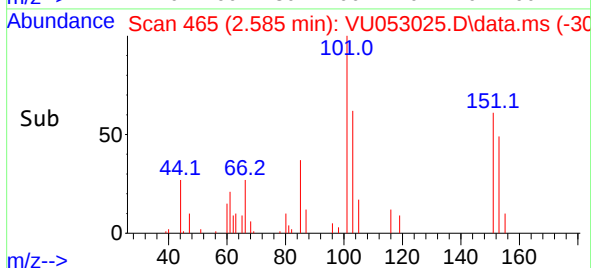
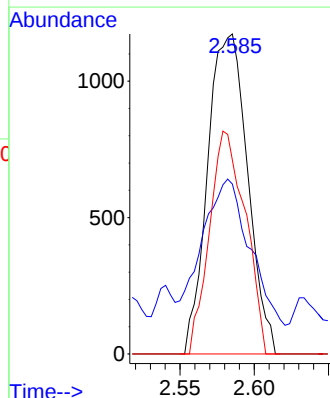
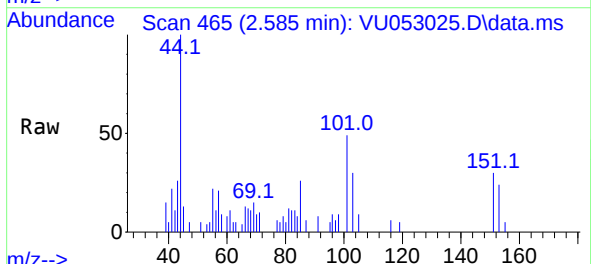
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L10-U-020723

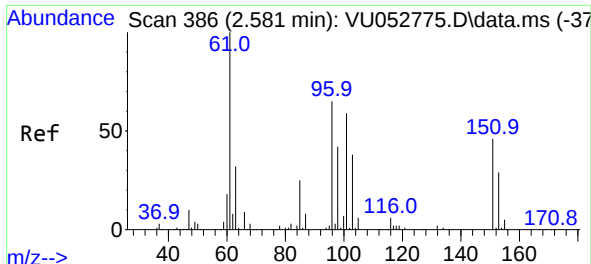
Tgt Ion: 94 Resp: 21
Ion Ratio Lower Upper
94 100
96 75.0 73.8 110.6



#8
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.284 ug/l
RT: 2.585 min Scan# 465
Delta R.T. 0.004 min
Lab File: VU053025.D
Acq: 09 Feb 2023 18:53

Tgt Ion: 101 Resp: 2192
Ion Ratio Lower Upper
101 100
85 44.6 34.1 51.1
151 62.6 63.0 94.4#



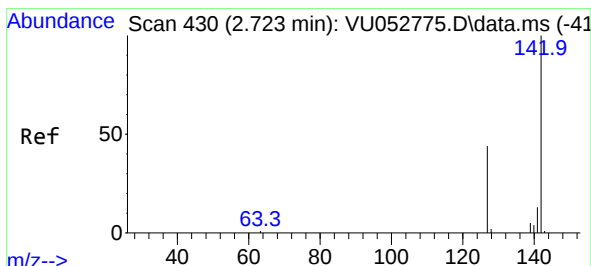
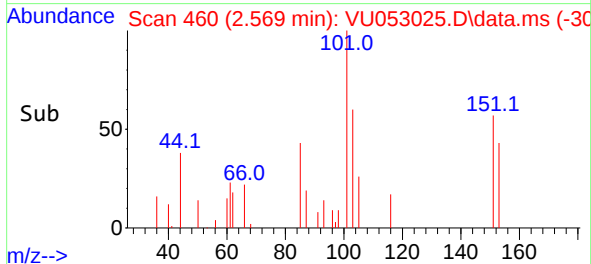
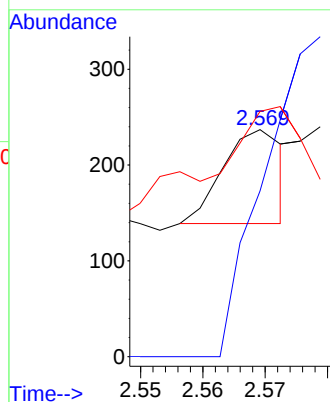
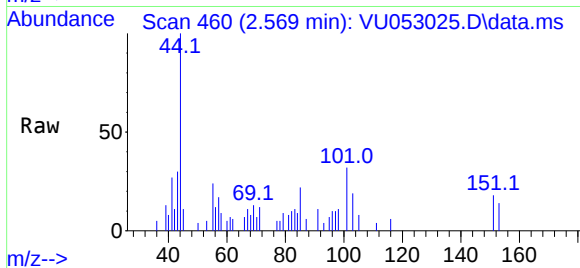


#9
1,1-Dichloroethene
Concen: 0.009 ug/l
RT: 2.569 min Scan# 41
Delta R.T. -0.012 min
Lab File: VU053025.D
Acq: 09 Feb 2023 18:53

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

Tgt Ion: 96 Resp: 65

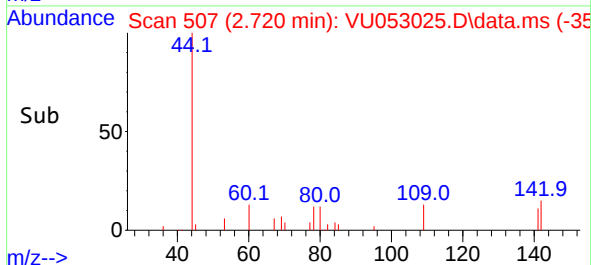
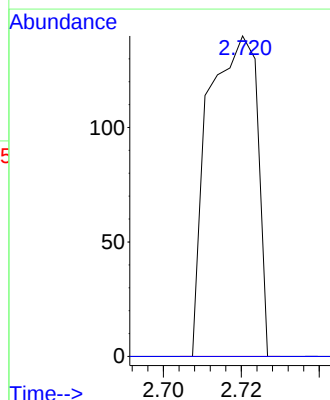
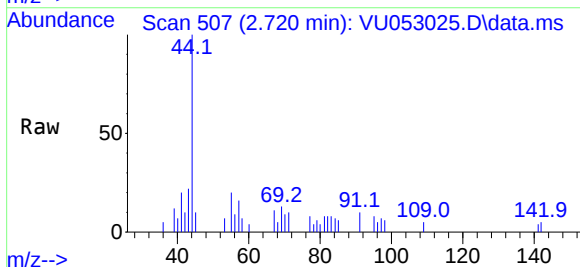
Ion	Ratio	Lower	Upper
96	100		
61	176.5	0.0	460.5
98	64.3	0.0	128.0

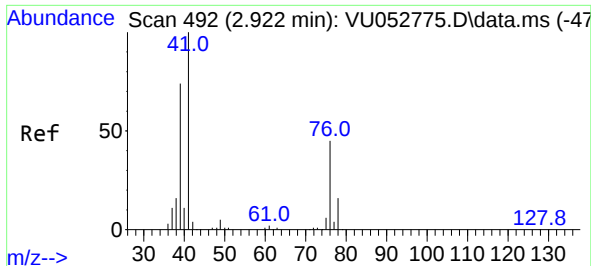


#10
Iodomethane
Concen: 0.015 ug/l
RT: 2.720 min Scan# 507
Delta R.T. -0.002 min
Lab File: VU053025.D
Acq: 09 Feb 2023 18:53

Tgt Ion: 142 Resp: 122

Ion	Ratio	Lower	Upper
142	100		
127	0.0	35.4	53.0#

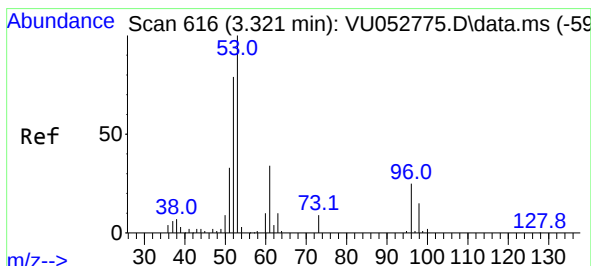
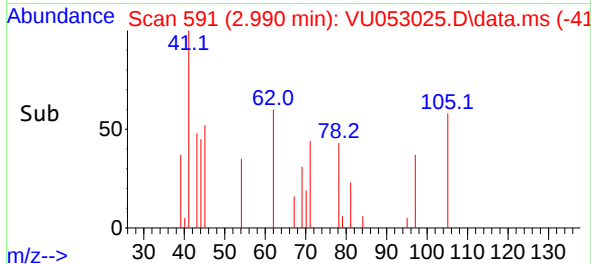
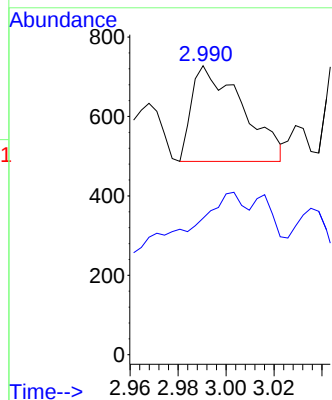
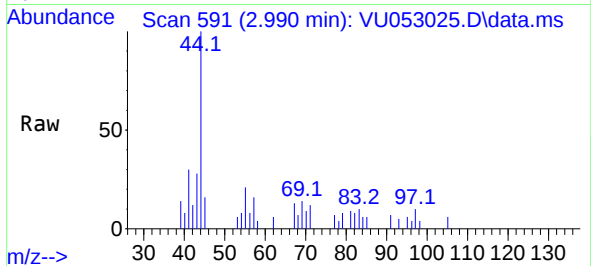




#11
 Allyl Chloride
 Concen: 0.041 ug/l
 RT: 2.990 min Scan# 51
 Delta R.T. 0.068 min
 Lab File: VU053025.D
 Acq: 09 Feb 2023 18:53

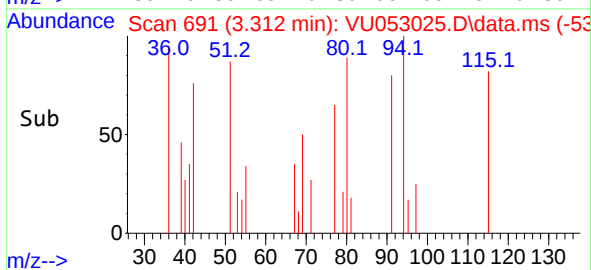
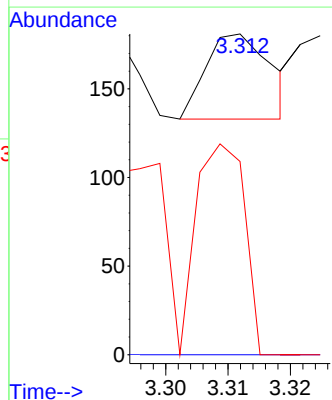
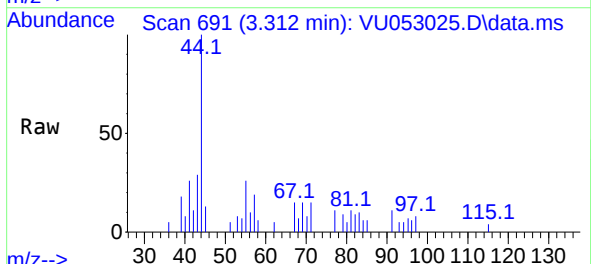
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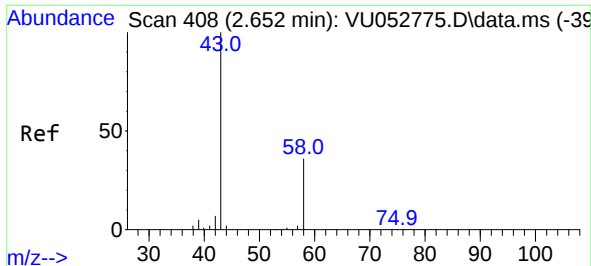
Tgt Ion: 41 Resp: 354
 Ion Ratio Lower Upper
 41 100
 39 66.1 59.3 88.9



#12
 Acrylonitrile
 Concen: 0.023 ug/l
 RT: 3.312 min Scan# 691
 Delta R.T. -0.009 min
 Lab File: VU053025.D
 Acq: 09 Feb 2023 18:53

Tgt Ion: 53 Resp: 35
 Ion Ratio Lower Upper
 53 100
 52 0.0 63.0 94.4#
 51 182.9 31.3 46.9#

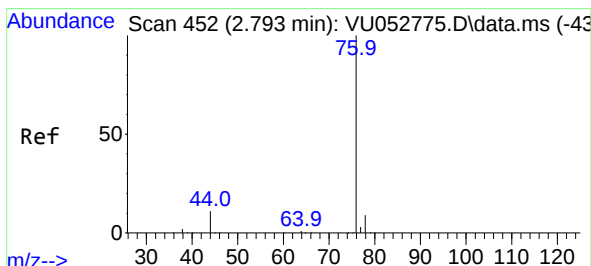
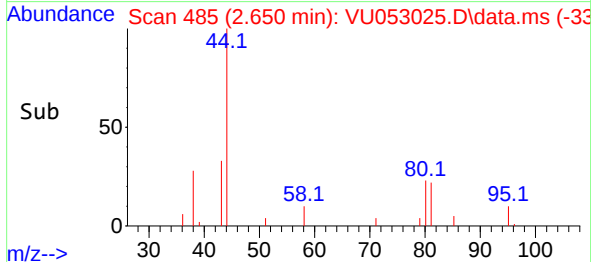
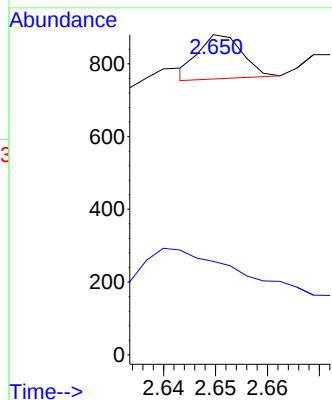
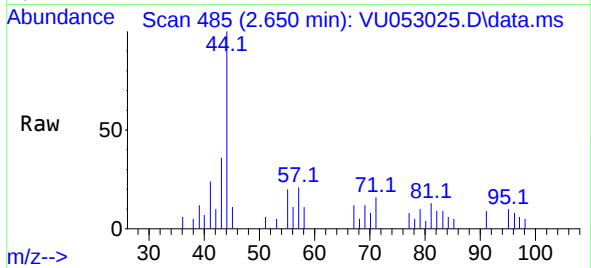




#13
Acetone
Concen: 0.032 ug/l
RT: 2.650 min Scan# 41
Delta R.T. -0.002 min
Lab File: VU053025.D
Acq: 09 Feb 2023 18:53

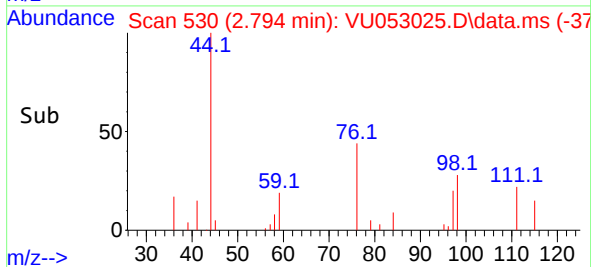
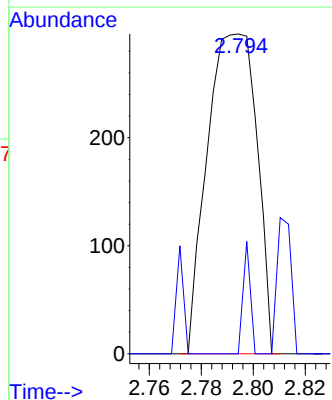
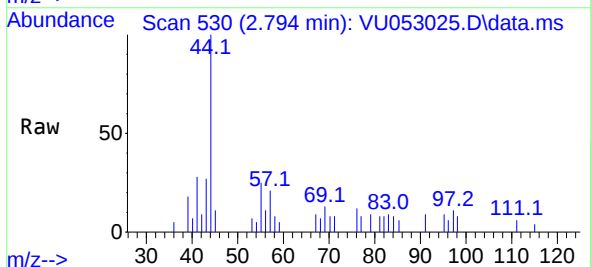
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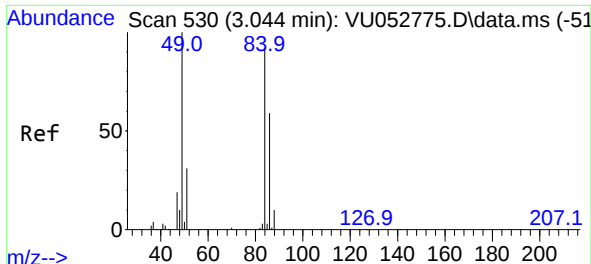
Tgt Ion: 43 Resp: 71
Ion Ratio Lower Upper
43 100
58 48.7 29.0 43.4#



#14
Carbon Disulfide
Concen: 0.016 ug/l
RT: 2.794 min Scan# 530
Delta R.T. 0.001 min
Lab File: VU053025.D
Acq: 09 Feb 2023 18:53

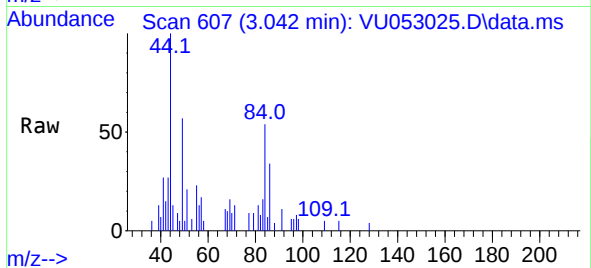
Tgt Ion: 76 Resp: 392
Ion Ratio Lower Upper
76 100
78 0.0 7.1 10.7#





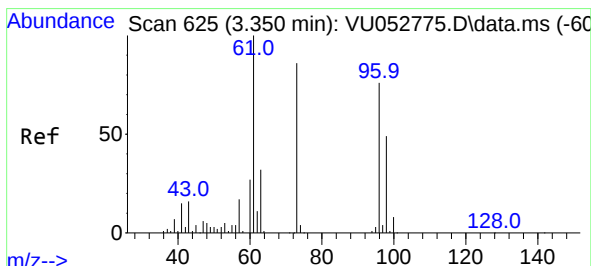
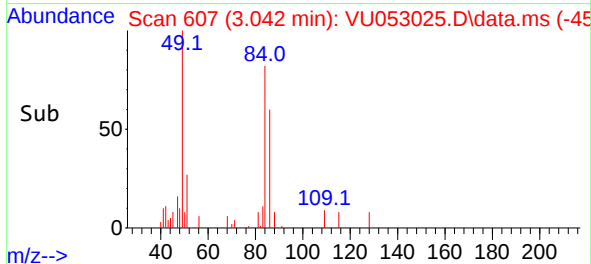
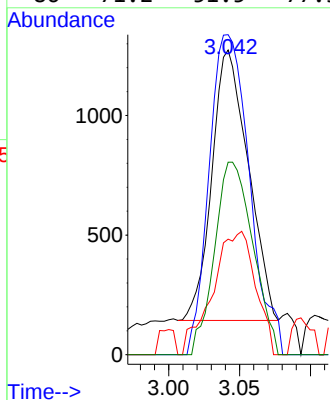
#15
Methylene Chloride
Concen: 0.230 ug/l
RT: 3.042 min Scan# 60
Delta R.T. -0.002 min
Lab File: VU053025.D
Acq: 09 Feb 2023 18:53

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



Tgt Ion: 84 Resp: 2021

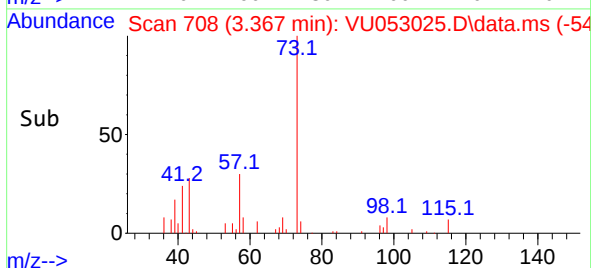
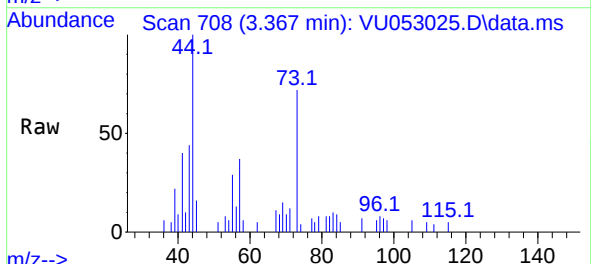
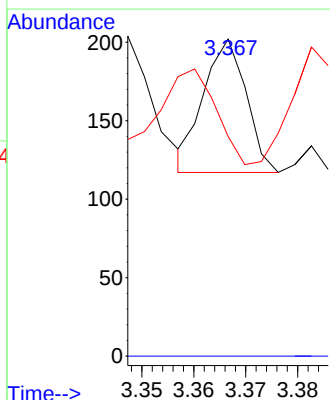
Ion	Ratio	Lower	Upper
84	100		
49	118.3	86.7	130.1
51	42.7	0.0	66.8
86	71.2	51.5	77.3

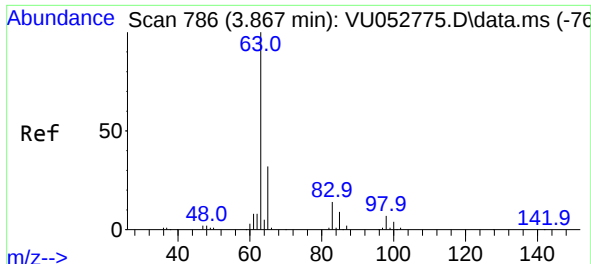


#16
trans-1,2-Dichloroethene
Concen: 0.006 ug/l
RT: 3.367 min Scan# 708
Delta R.T. 0.017 min
Lab File: VU053025.D
Acq: 09 Feb 2023 18:53

Tgt Ion: 96 Resp: 48

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

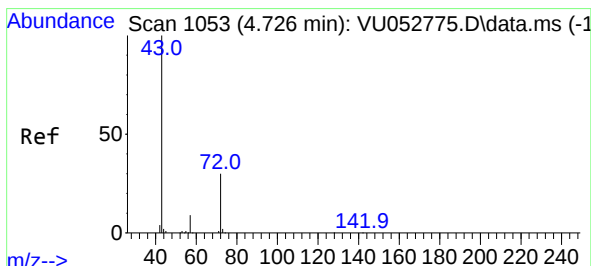
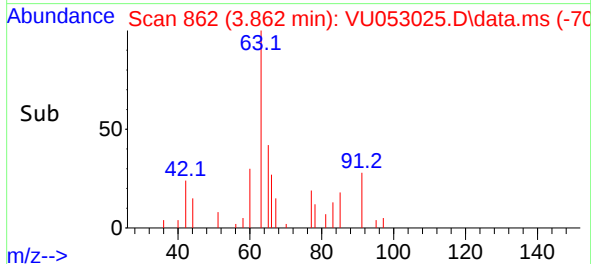
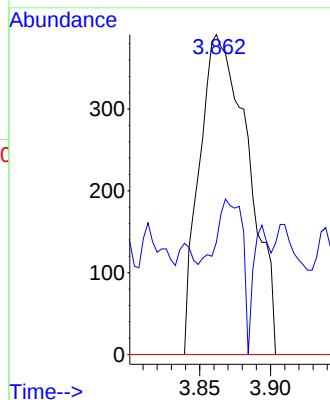
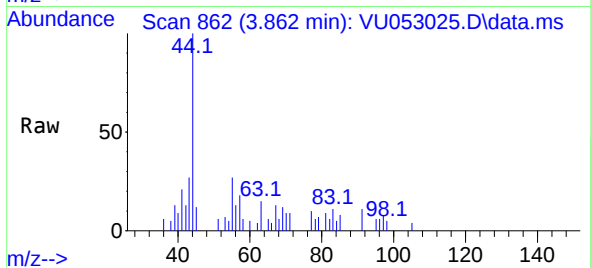




#17
1,1-Dichloroethane
Concen: 0.069 ug/l
RT: 3.862 min Scan# 80
Delta R.T. -0.006 min
Lab File: VU053025.D
Acq: 09 Feb 2023 18:53

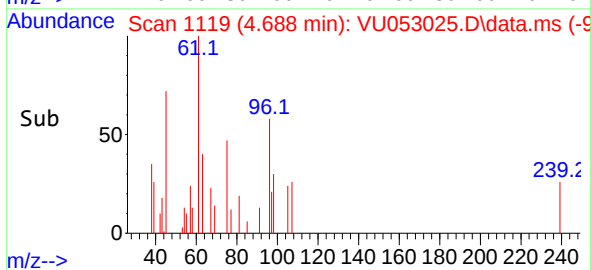
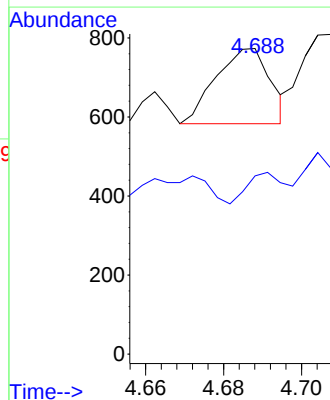
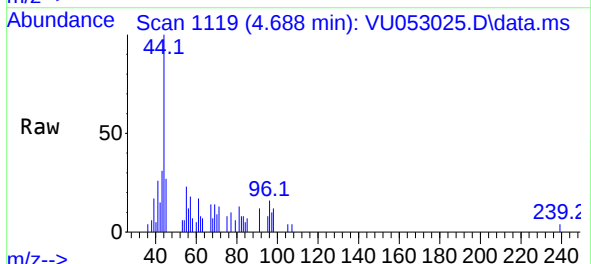
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L10-U-020723

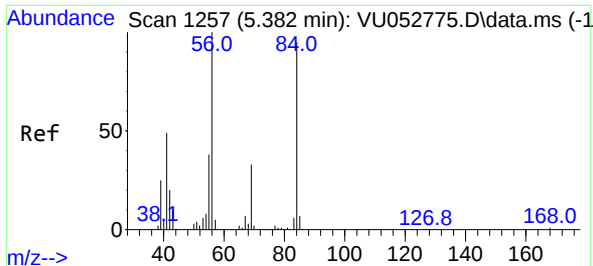
Tgt Ion: 63 Resp: 942
Ion Ratio Lower Upper
63 100
98 2.3 3.8 11.2#
100 0.0 2.2 6.6#



#18
2-Butanone
Concen: 0.072 ug/l
RT: 4.688 min Scan# 1119
Delta R.T. -0.038 min
Lab File: VU053025.D
Acq: 09 Feb 2023 18:53

Tgt Ion: 43 Resp: 184
Ion Ratio Lower Upper
43 100
57 8.9 0.0 17.4





#19

Cyclohexane

Concen: 0.017 ug/l

RT: 5.344 min Scan# 11

Delta R.T. -0.038 min

Lab File: VU053025.D

Acq: 09 Feb 2023 18:53

Instrument :

MSVOA_U

ClientSampleId :

PW-B6-L10-U-020723

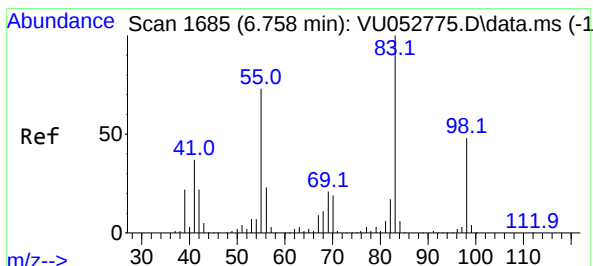
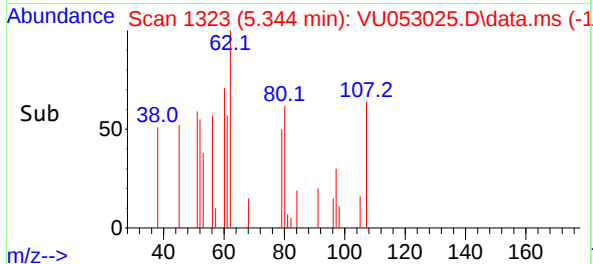
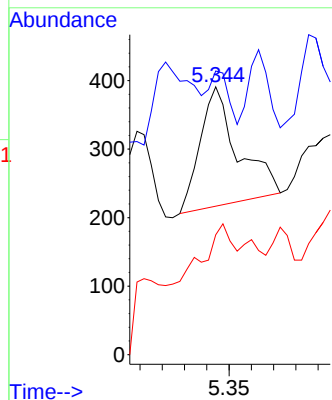
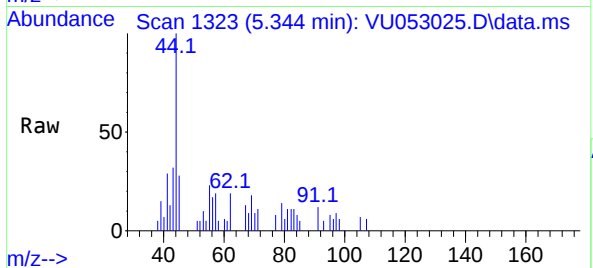
Tgt Ion: 56 Resp: 207

Ion Ratio Lower Upper

56 100

69 21.7 26.8 40.2#

84 43.5 77.0 115.6#



#20

Methylcyclohexane

Concen: 0.007 ug/l

RT: 6.752 min Scan# 1761

Delta R.T. -0.006 min

Lab File: VU053025.D

Acq: 09 Feb 2023 18:53

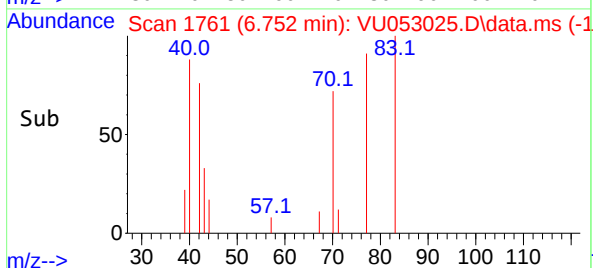
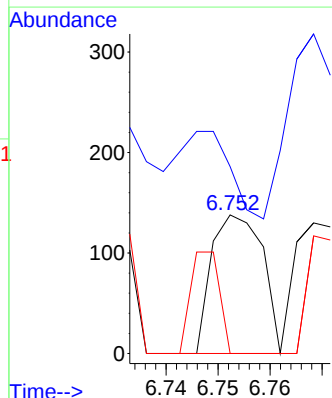
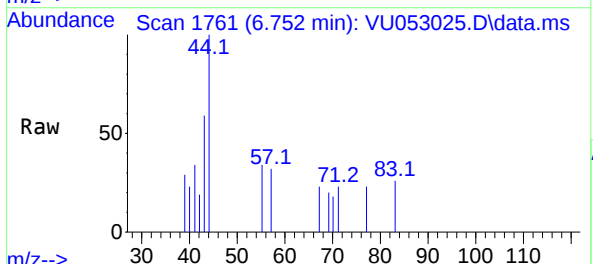
Tgt Ion: 83 Resp: 94

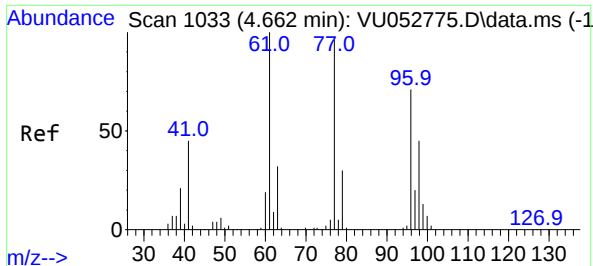
Ion Ratio Lower Upper

83 100

55 61.7 58.7 88.1

98 41.5 39.4 59.2

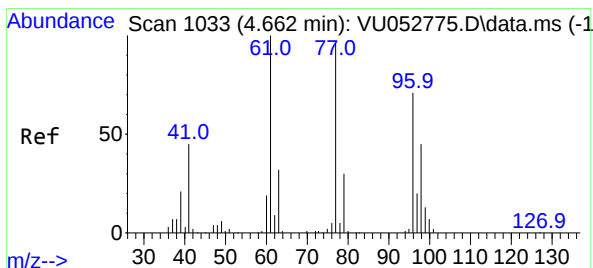
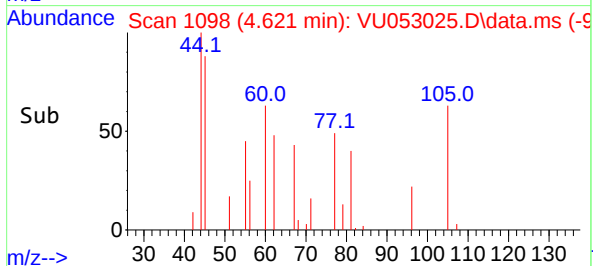
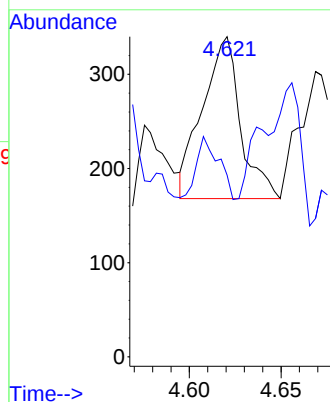
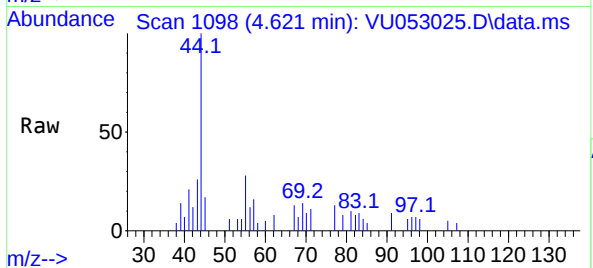




#21
2,2-Dichloropropane
Concen: 0.019 ug/l
RT: 4.621 min Scan# 1109
Delta R.T. -0.041 min
Lab File: VU053025.D
Acq: 09 Feb 2023 18:53

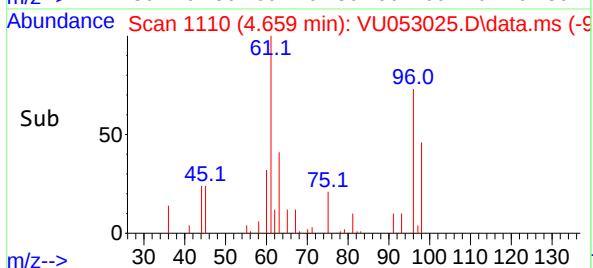
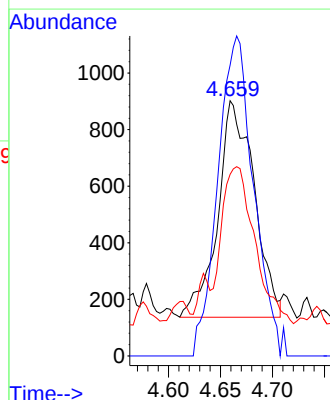
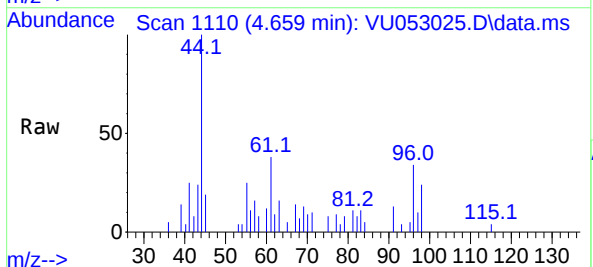
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L10-U-020723

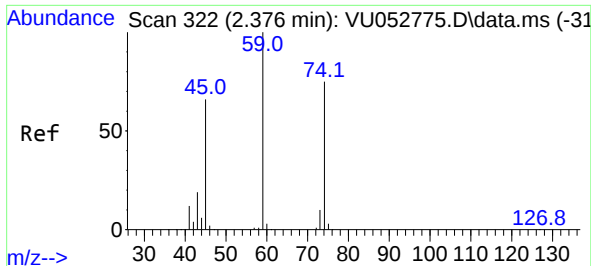
Tgt Ion: 77 Resp: 248
Ion Ratio Lower Upper
77 100
97 23.0 16.8 25.2



#22
cis-1,2-Dichloroethene
Concen: 0.220 ug/l
RT: 4.659 min Scan# 1110
Delta R.T. -0.002 min
Lab File: VU053025.D
Acq: 09 Feb 2023 18:53

Tgt Ion: 96 Resp: 1864
Ion Ratio Lower Upper
96 100
61 145.1 0.0 353.3
98 66.3 32.6 97.7

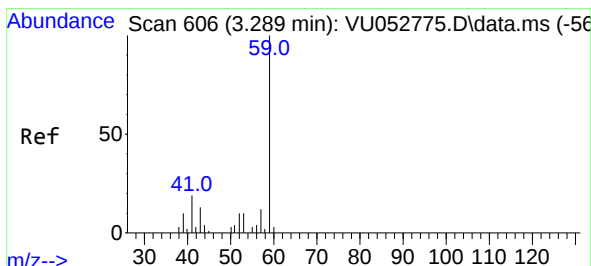
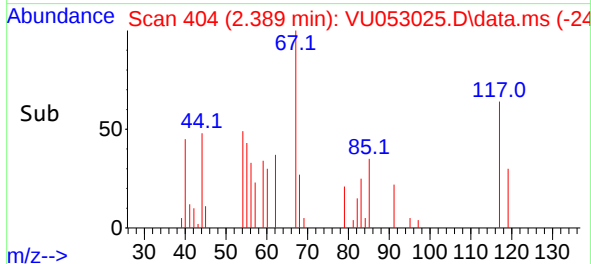
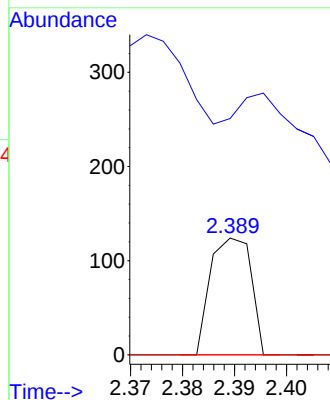
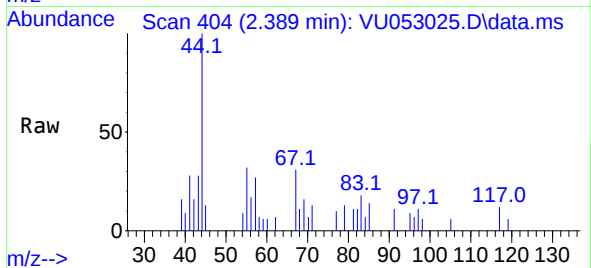




#23
Diethyl Ether
Concen: 0.013 ug/l
RT: 2.389 min Scan# 404
Delta R.T. 0.014 min
Lab File: VU053025.D
Acq: 09 Feb 2023 18:53

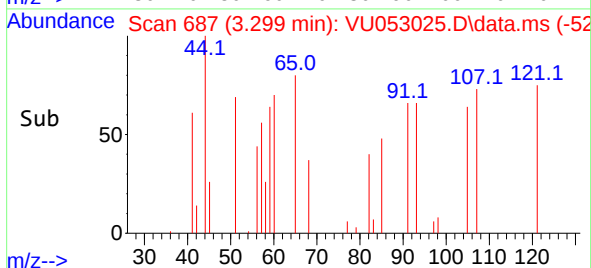
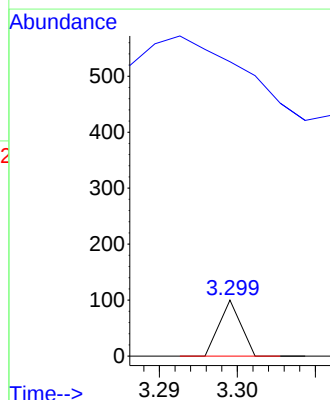
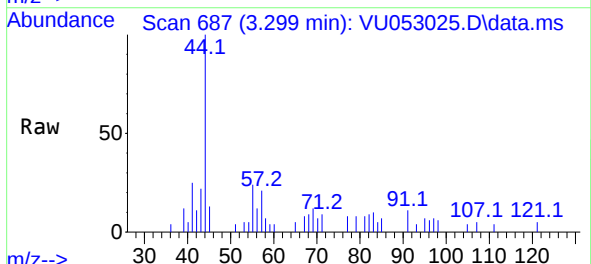
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L10-U-020723

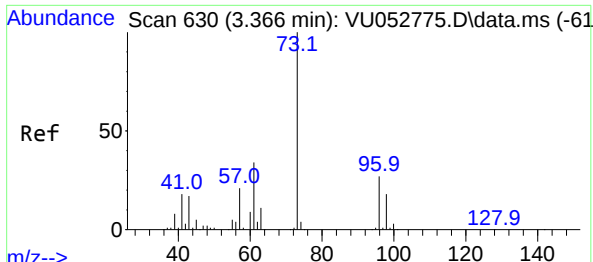
Tgt Ion: 59 Resp: 67
Ion Ratio Lower Upper
59 100
45 97.0 52.1 78.1#
74 0.0 61.6 92.4#



#24
tert-Butyl Alcohol
Concen: 0.031 ug/l
RT: 3.299 min Scan# 687
Delta R.T. 0.010 min
Lab File: VU053025.D
Acq: 09 Feb 2023 18:53

Tgt Ion: 59 Resp: 19
Ion Ratio Lower Upper
59 100
57 1273.7 45.8 68.8#

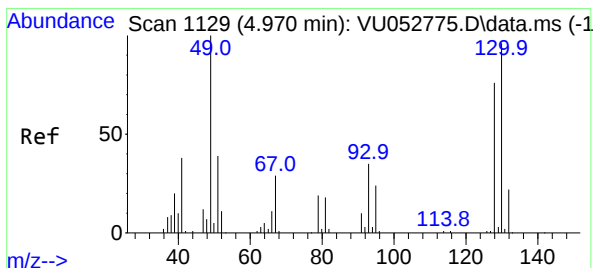
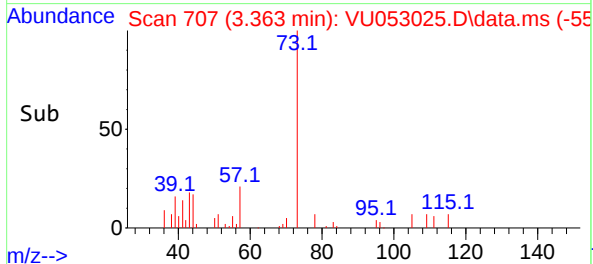
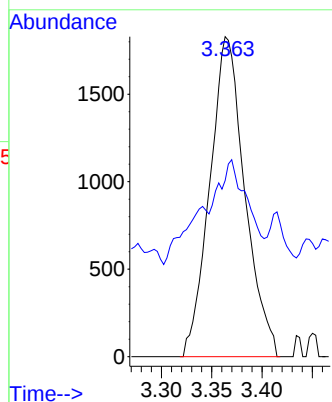
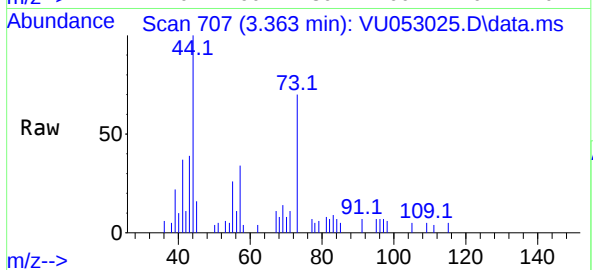




#25
Methyl tert-Butyl Ether
Concen: 0.265 ug/l
RT: 3.363 min Scan# 70
Delta R.T. -0.002 min
Lab File: VU053025.D
Acq: 09 Feb 2023 18:53

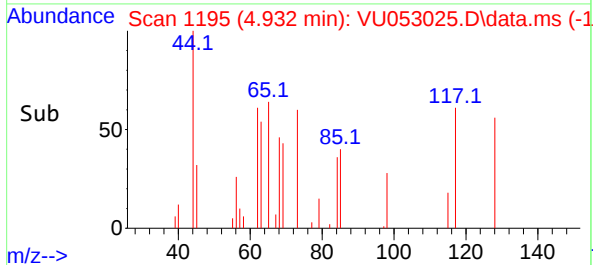
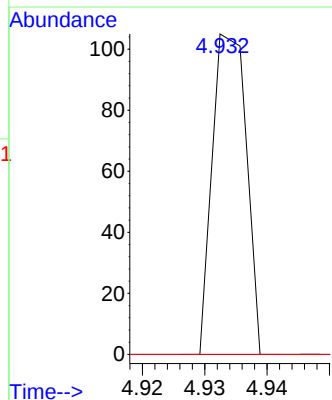
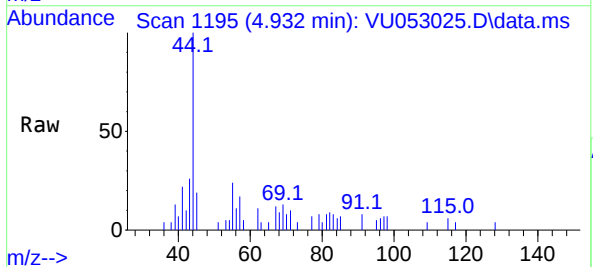
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L10-U-020723

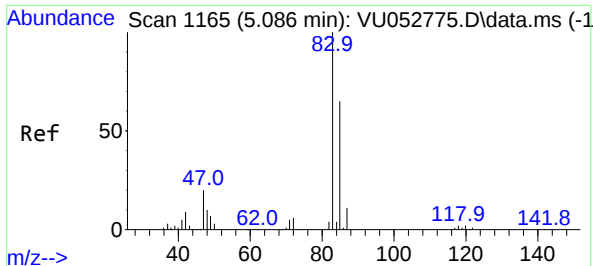
Tgt Ion: 73 Resp: 4428
Ion Ratio Lower Upper
73 100
43 26.1 15.3 22.9#



#26
Bromochloromethane
Concen: 0.010 ug/l
RT: 4.932 min Scan# 1195
Delta R.T. -0.038 min
Lab File: VU053025.D
Acq: 09 Feb 2023 18:53

Tgt Ion: 128 Resp: 40
Ion Ratio Lower Upper
128 100
49 0.0 0.0 265.0
130 0.0 100.7 151.1#





#27

Chloroform

Concen: 0.018 ug/l

RT: 5.093 min Scan# 1318

Delta R.T. 0.007 min

Lab File: VU053025.D

Acq: 09 Feb 2023 18:53

Instrument :

MSVOA_U

ClientSampleId :

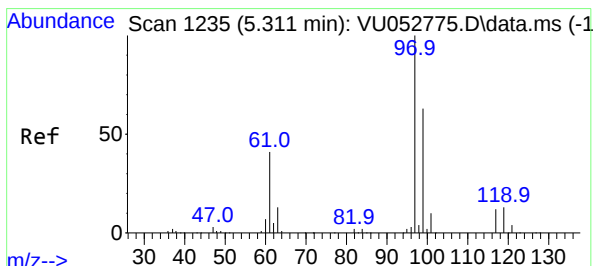
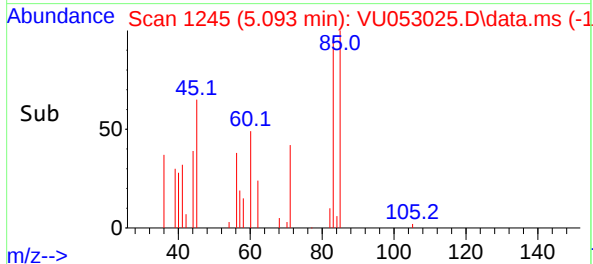
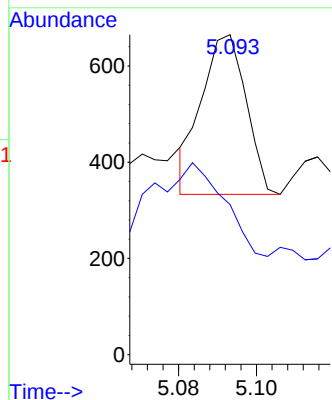
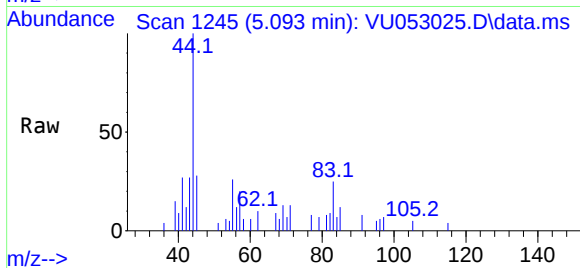
PW-B6-L10-U-020723

Tgt Ion: 83 Resp: 263

Ion Ratio Lower Upper

83 100

85 26.8 0.0 130.6



#28

1,1,1-Trichloroethane

Concen: 0.004 ug/l

RT: 5.328 min Scan# 1318

Delta R.T. 0.017 min

Lab File: VU053025.D

Acq: 09 Feb 2023 18:53

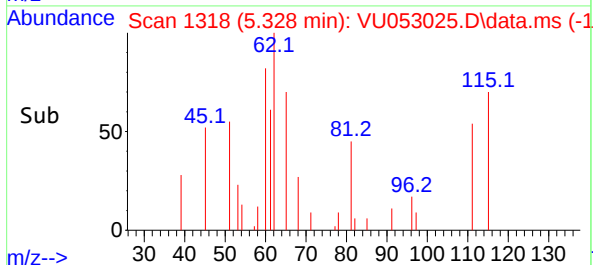
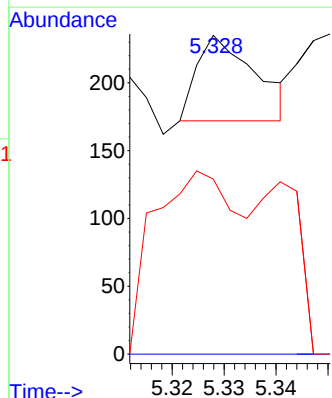
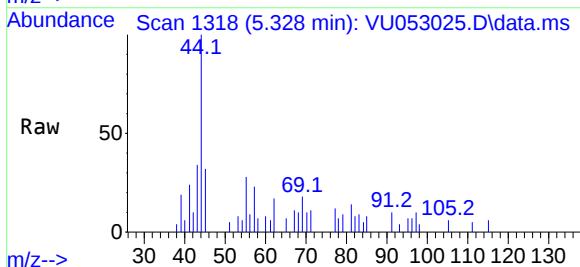
Tgt Ion: 97 Resp: 49

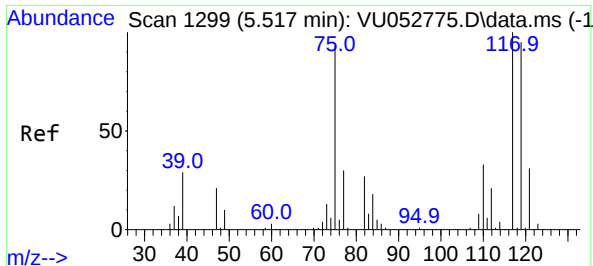
Ion Ratio Lower Upper

97 100

99 0.0 31.9 95.5#

61 314.3 20.8 62.2#

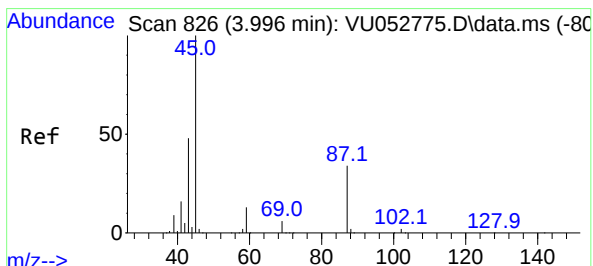
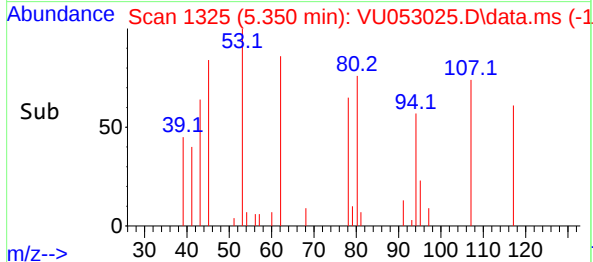
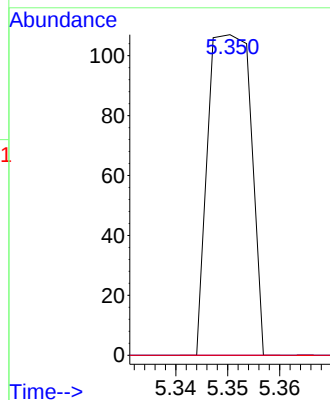
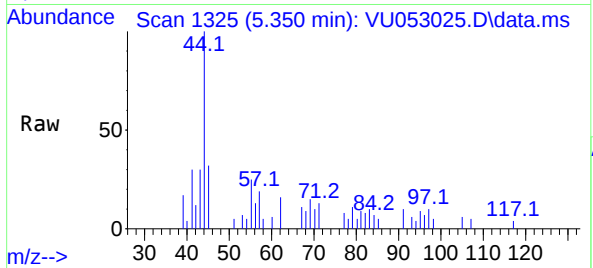




#30
Carbon Tetrachloride
Concen: 0.005 ug/l
RT: 5.350 min Scan# 11
Delta R.T. -0.166 min
Lab File: VU053025.D
Acq: 09 Feb 2023 18:53

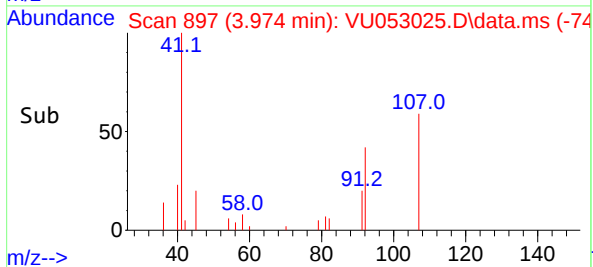
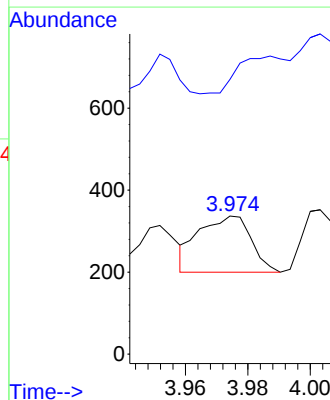
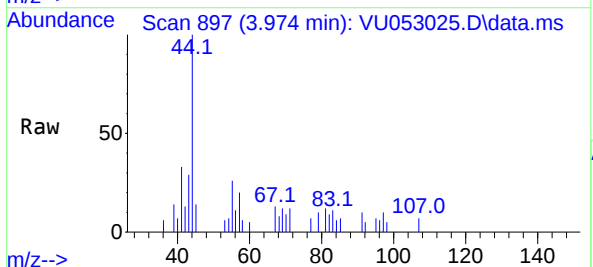
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L10-U-020723

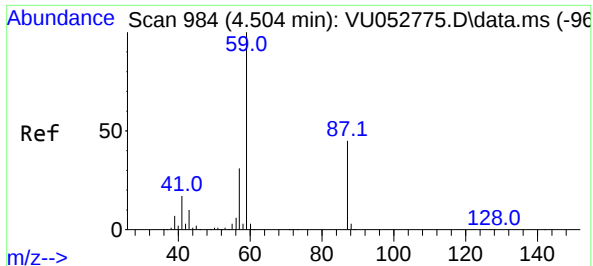
Tgt Ion:117 Resp: 61
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 25.0 37.6#



#31
Isopropyl Ether
Concen: 0.008 ug/l
RT: 3.974 min Scan# 897
Delta R.T. -0.022 min
Lab File: VU053025.D
Acq: 09 Feb 2023 18:53

Tgt Ion: 45 Resp: 159
Ion Ratio Lower Upper
45 100
43 64.2 24.5 73.5

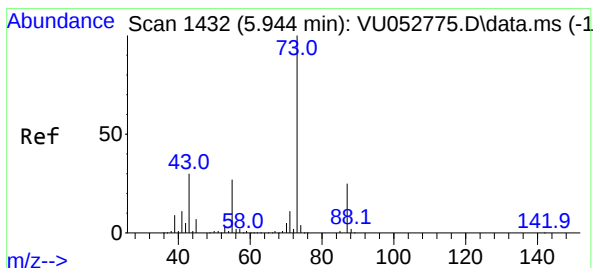
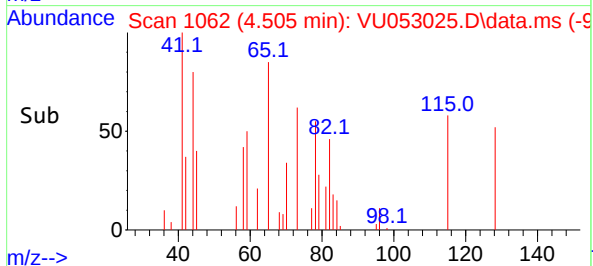
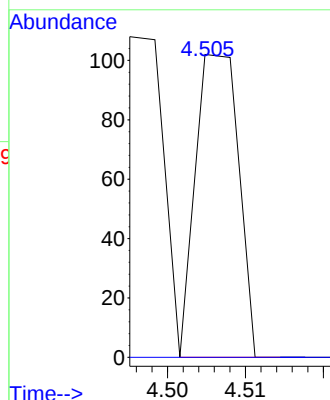
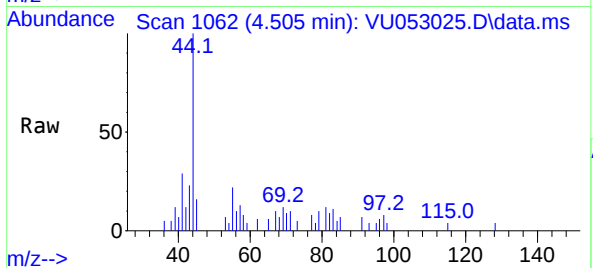




#32
Ethyl-t-butyl ether
Concen: 0.002 ug/l
RT: 4.505 min Scan# 1062
Delta R.T. 0.001 min
Lab File: VU053025.D
Acq: 09 Feb 2023 18:53

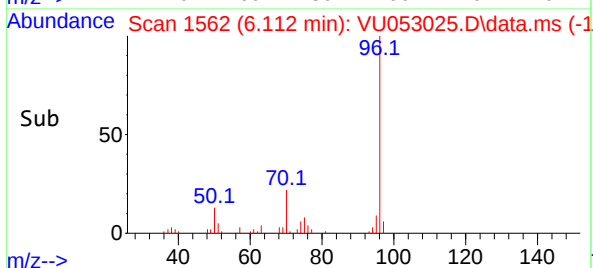
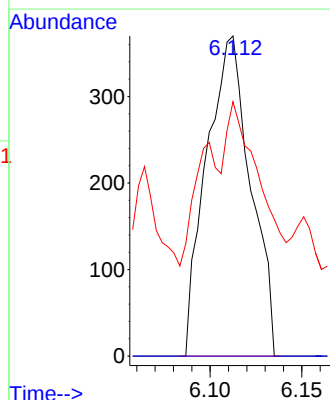
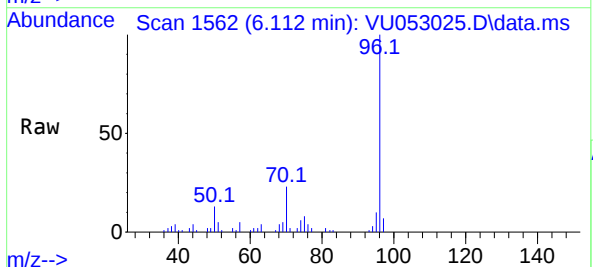
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L10-U-020723

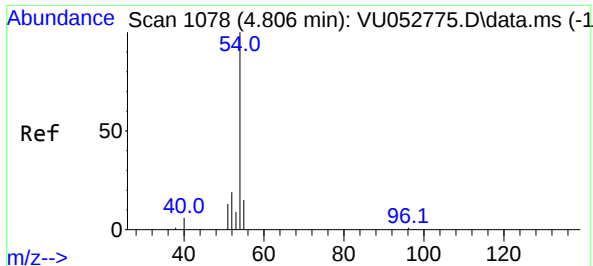
Tgt Ion: 59 Resp: 39
Ion Ratio Lower Upper
59 100
87 0.0 36.2 54.2#



#33
Tert-Amyl methyl ether
Concen: 0.038 ug/l
RT: 6.112 min Scan# 1562
Delta R.T. 0.168 min
Lab File: VU053025.D
Acq: 09 Feb 2023 18:53

Tgt Ion: 73 Resp: 618
Ion Ratio Lower Upper
73 100
87 0.0 20.1 30.1#
71 13.6 9.2 13.8

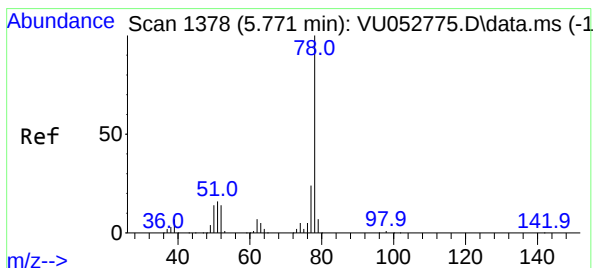
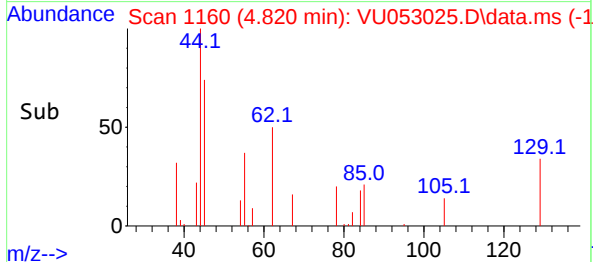
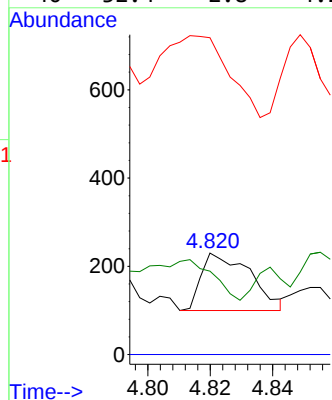
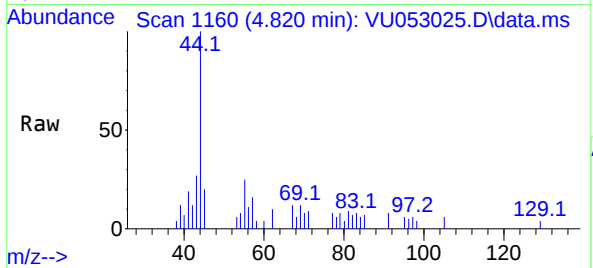




#34
 Propionitrile
 Concen: 0.244 ug/l
 RT: 4.820 min Scan# 1160
 Delta R.T. 0.014 min
 Lab File: VU053025.D
 Acq: 09 Feb 2023 18:53

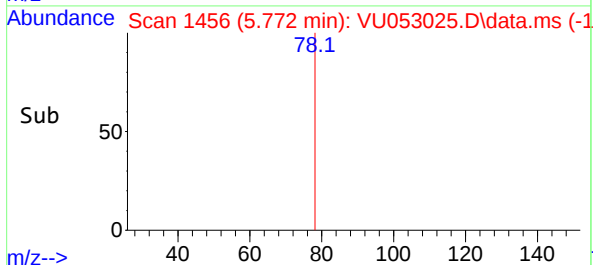
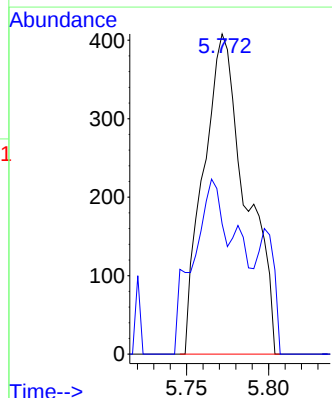
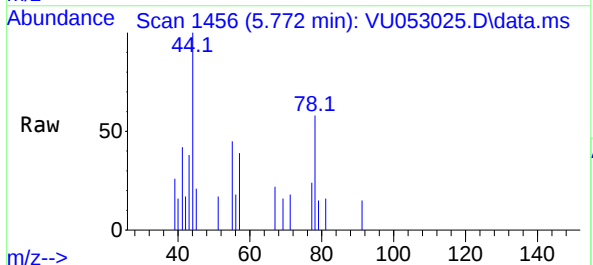
Instrument :
 MSVOA_U
 ClientSampleId :
 PW-B6-L10-U-020723

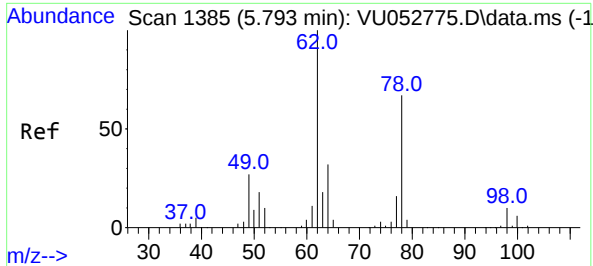
Tgt Ion: 54	Resp:	142	
Ion	Ratio	Lower	Upper
54	100		
52	0.0	16.9	25.3#
55	198.6	118.6	178.0#
40	32.4	2.8	4.2#



#35
 Benzene
 Concen: 0.022 ug/l
 RT: 5.772 min Scan# 1456
 Delta R.T. 0.001 min
 Lab File: VU053025.D
 Acq: 09 Feb 2023 18:53

Tgt Ion: 78	Resp:	732	
Ion	Ratio	Lower	Upper
78	100		
77	40.7	19.0	28.4#

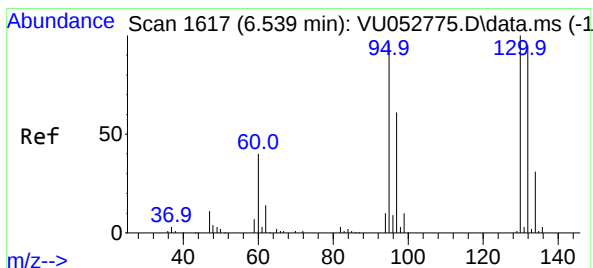
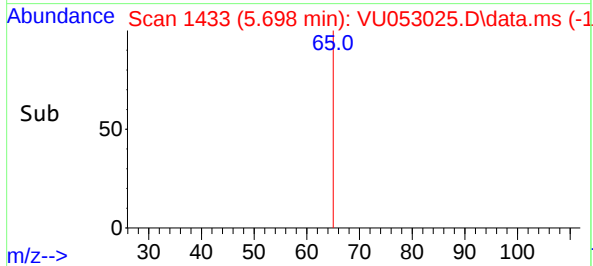
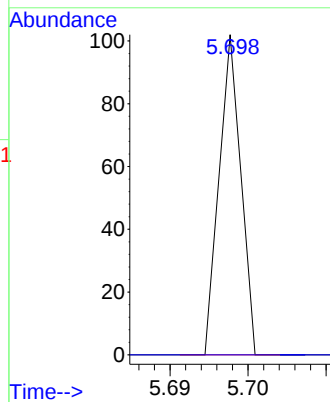
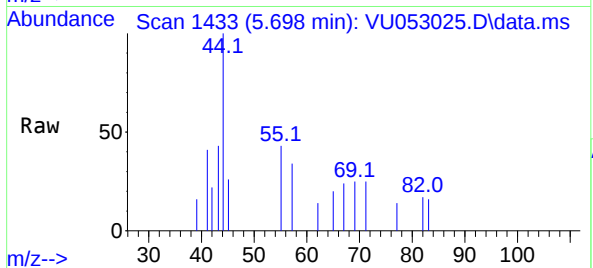




#36
1,2-Dichloroethane
Concen: 0.002 ug/l
RT: 5.698 min Scan# 14
Delta R.T. -0.096 min
Lab File: VU053025.D
Acq: 09 Feb 2023 18:53

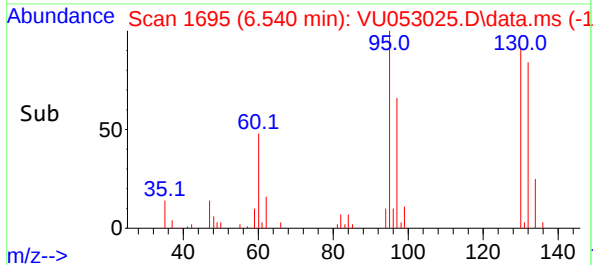
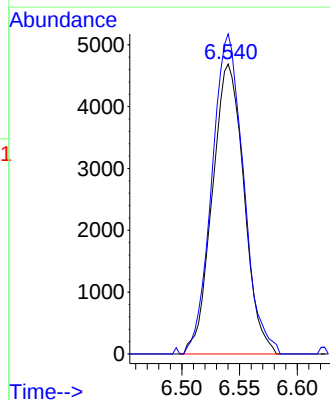
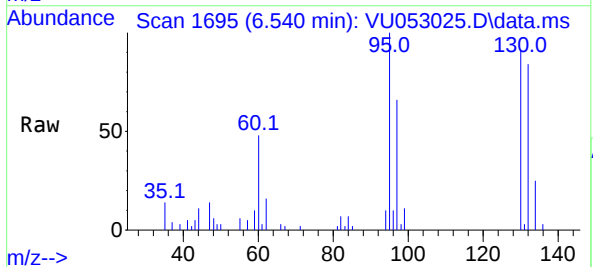
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L10-U-020723

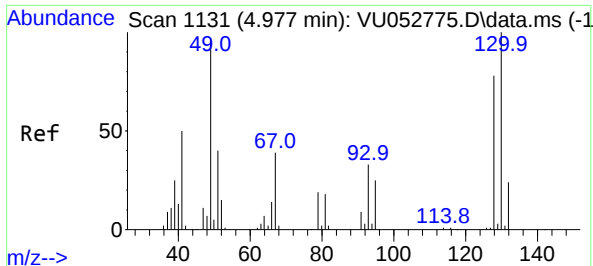
Tgt Ion: 62 Resp: 20
Ion Ratio Lower Upper
62 100
98 200.0 7.5 11.3#



#37
Trichloroethene
Concen: 0.989 ug/l
RT: 6.540 min Scan# 1695
Delta R.T. 0.001 min
Lab File: VU053025.D
Acq: 09 Feb 2023 18:53

Tgt Ion:130 Resp: 8942
Ion Ratio Lower Upper
130 100
95 110.4 76.6 114.8





#39

Methacrylonitrile

Concen: 0.076 ug/l

RT: 4.971 min Scan# 1169

Delta R.T. -0.006 min

Lab File: VU053025.D

Acq: 09 Feb 2023 18:53

Instrument :

MSVOA_U

ClientSampleId :

PW-B6-L10-U-020723

Tgt Ion: 41 Resp: 176

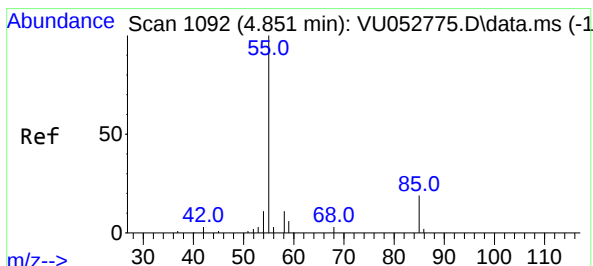
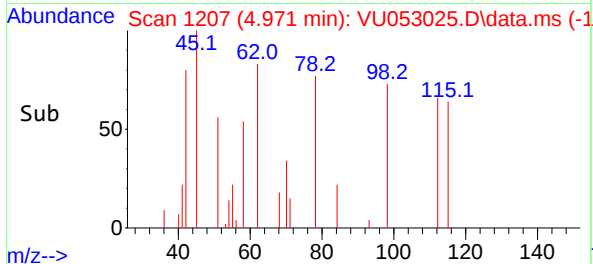
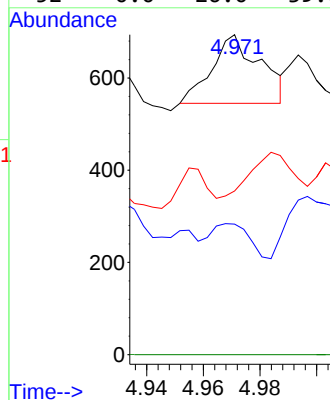
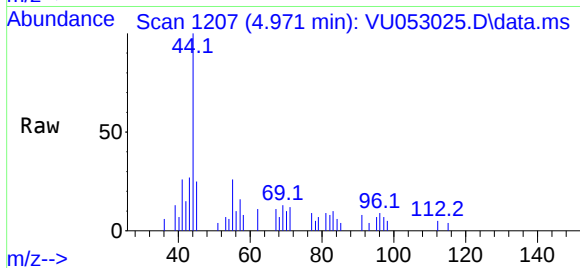
Ion Ratio Lower Upper

41 100

67 40.9 64.9 97.3#

39 33.5 41.7 62.5#

52 0.0 26.0 39.0#



#40

Methyl acrylate

Concen: 0.035 ug/l

RT: 4.849 min Scan# 1169

Delta R.T. -0.002 min

Lab File: VU053025.D

Acq: 09 Feb 2023 18:53

Tgt Ion: 55 Resp: 144

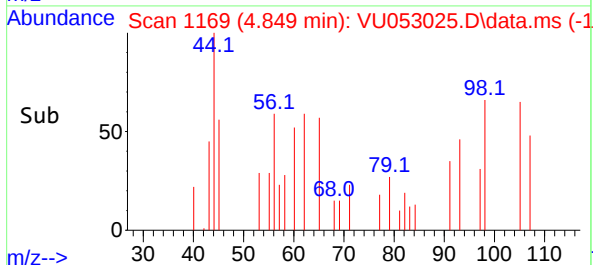
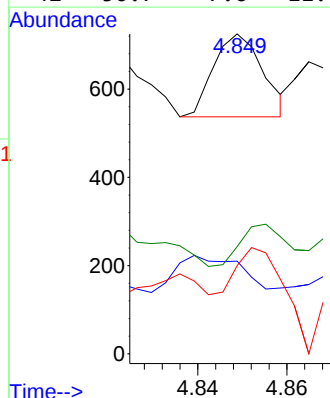
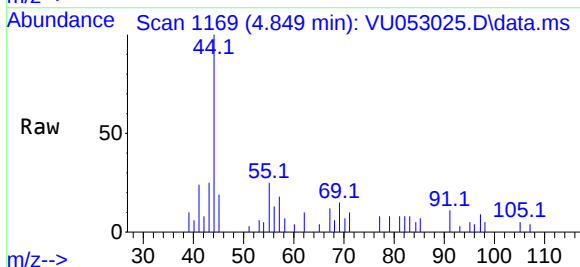
Ion Ratio Lower Upper

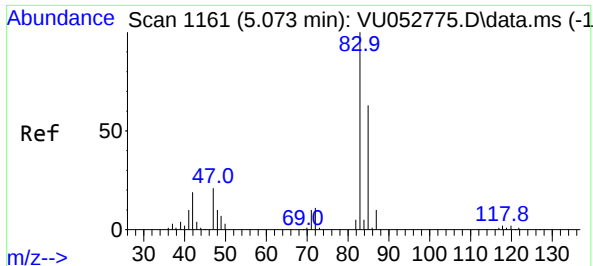
55 100

85 0.0 14.4 21.6#

58 145.8 7.3 10.9#

42 50.7 7.6 11.4#





#41

Tetrahydrofuran

Concen: 0.054 ug/l

RT: 5.055 min Scan# 11

Delta R.T. -0.019 min

Lab File: VU053025.D

Acq: 09 Feb 2023 18:53

Instrument :

MSVOA_U

ClientSampleId :

PW-B6-L10-U-020723

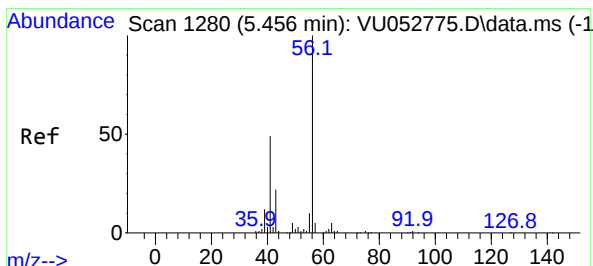
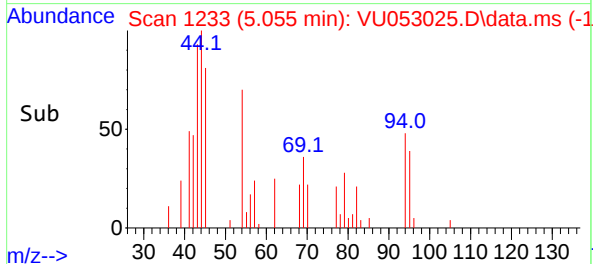
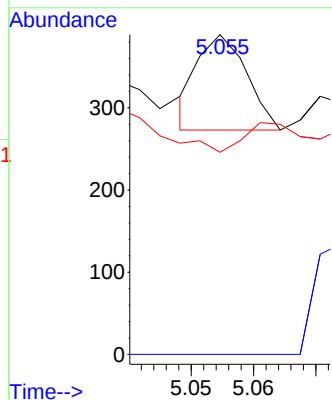
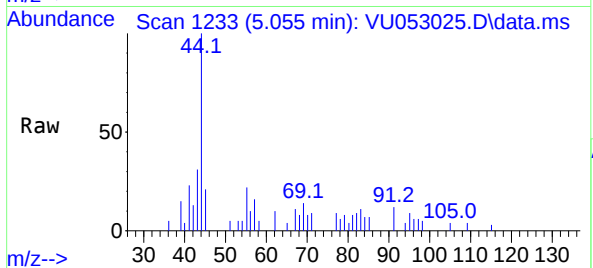
Tgt Ion: 42 Resp: 63

Ion Ratio Lower Upper

42 100

72 163.5 49.1 73.7#

71 79.4 43.8 65.6#



#42

1-Chlorobutane

Concen: 0.008 ug/l

RT: 5.620 min Scan# 1409

Delta R.T. 0.165 min

Lab File: VU053025.D

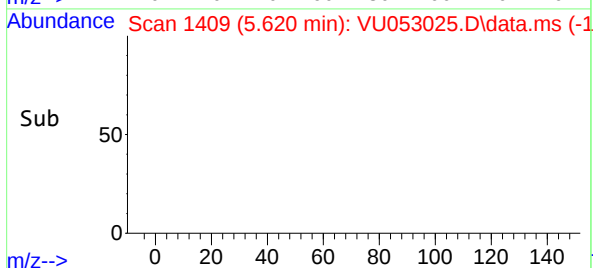
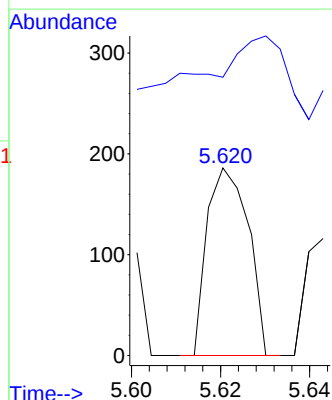
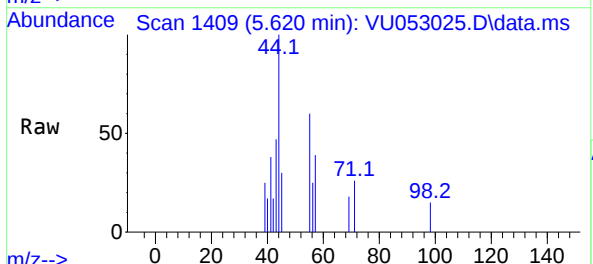
Acq: 09 Feb 2023 18:53

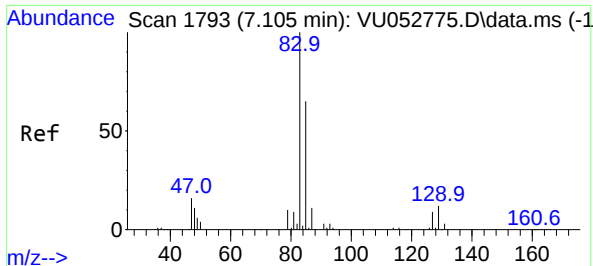
Tgt Ion: 56 Resp: 119

Ion Ratio Lower Upper

56 100

41 52.1 24.5 73.5

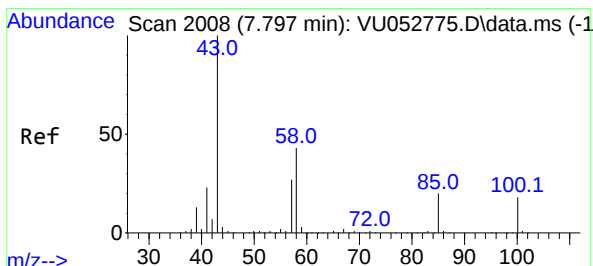
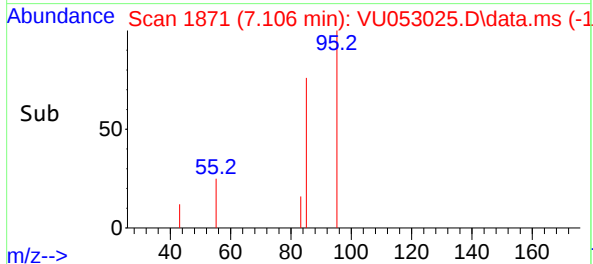
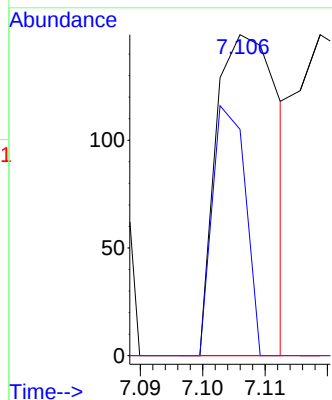
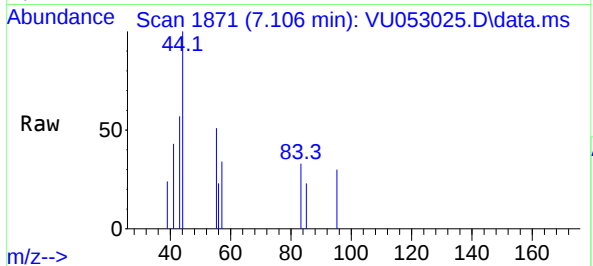




#44
Bromodichloromethane
Concen: 0.009 ug/l
RT: 7.106 min Scan# 11
Delta R.T. 0.001 min
Lab File: VU053025.D
Acq: 09 Feb 2023 18:53

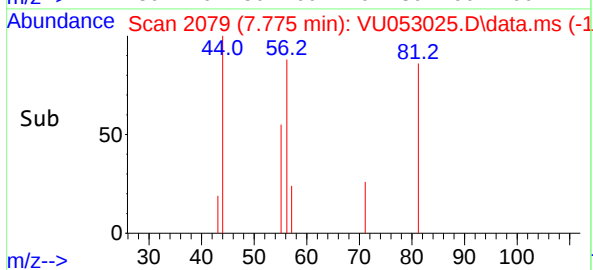
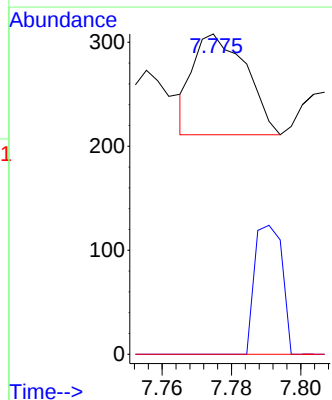
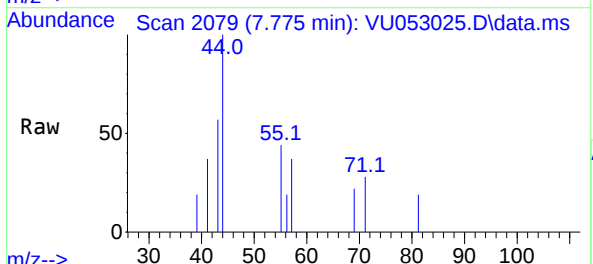
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L10-U-020723

Tgt Ion: 83 Resp: 104
Ion Ratio Lower Upper
83 100
85 70.5 52.1 78.1
127 0.0 7.2 10.8#

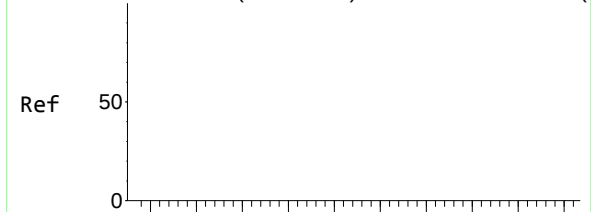


#45
4-Methyl-2-Pentanone
Concen: 0.023 ug/l
RT: 7.775 min Scan# 2079
Delta R.T. -0.022 min
Lab File: VU053025.D
Acq: 09 Feb 2023 18:53

Tgt Ion: 43 Resp: 102
Ion Ratio Lower Upper
43 100
58 66.7 21.7 65.1#
85 0.0 16.2 24.4#

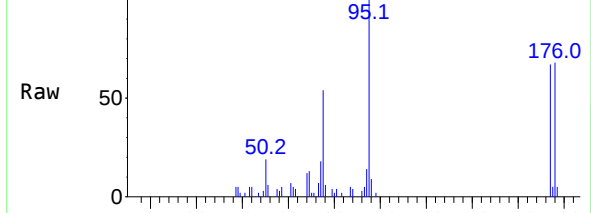


Abundance Scan 2951 (10.829 min): VU052775.D\data.ms (-1)



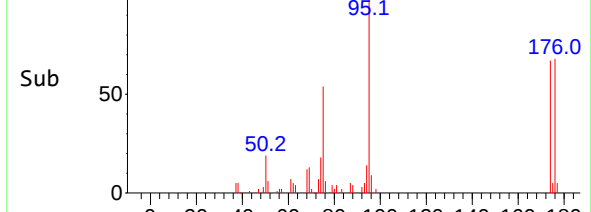
m/z-->

Abundance Scan 2967 (10.630 min): VU053025.D\data.ms (-1)



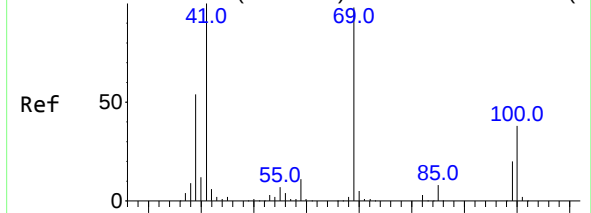
m/z-->

Abundance Scan 2967 (10.630 min): VU053025.D\data.ms (-1)



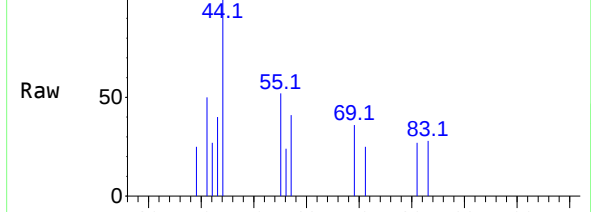
m/z-->

Abundance Scan 1749 (6.964 min): VU052775.D\data.ms (-1)



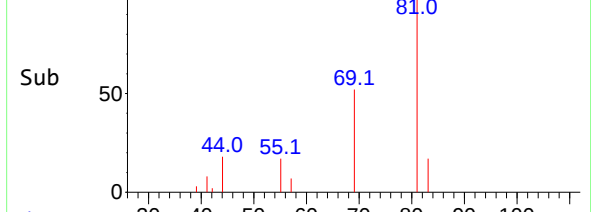
m/z-->

Abundance Scan 1829 (6.971 min): VU053025.D\data.ms (-1)



m/z-->

Abundance Scan 1829 (6.971 min): VU053025.D\data.ms (-1)



m/z-->

#46

t-1,4-Dichloro-2-butene

Concen: 2.410 ug/l

RT: 10.630 min Scan# 2967

Delta R.T. -0.199 min

Lab File: VU053025.D

Acq: 09 Feb 2023 18:53

Instrument :

MSVOA_U

ClientSampleId :

PW-B6-L10-U-020723

Tgt Ion: 75 Resp: 5655

Ion Ratio Lower Upper

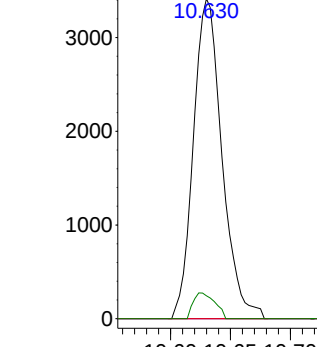
75 100

53 0.0 57.0 85.4#

89 0.0 41.1 61.7#

88 6.1 32.3 48.5#

Abundance



Time-->

#47

Methyl methacrylate

Concen: 0.040 ug/l

RT: 6.971 min Scan# 1829

Delta R.T. 0.007 min

Lab File: VU053025.D

Acq: 09 Feb 2023 18:53

Tgt Ion: 69 Resp: 153

Ion Ratio Lower Upper

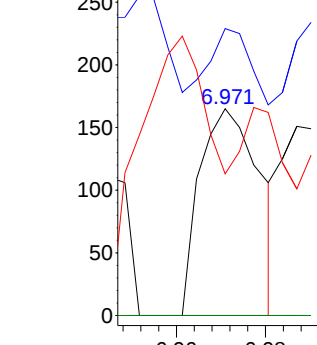
69 100

41 22.9 0.0 201.8

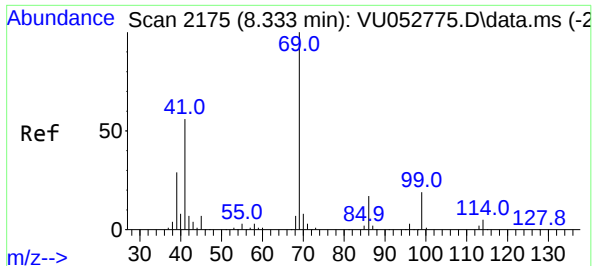
39 48.4 44.0 66.0

100 0.0 31.5 47.3#

Abundance



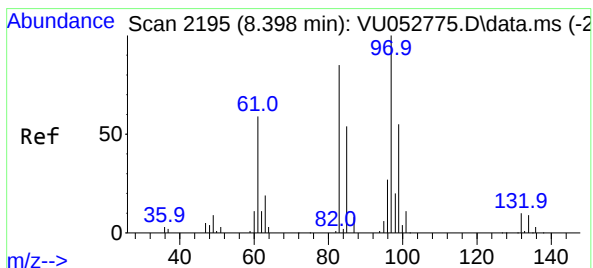
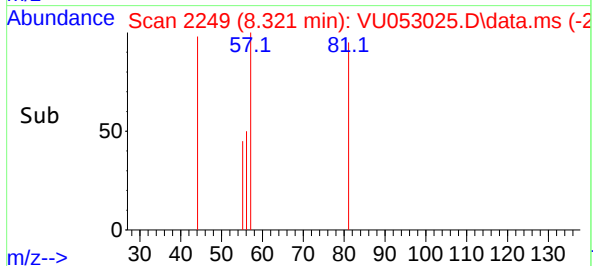
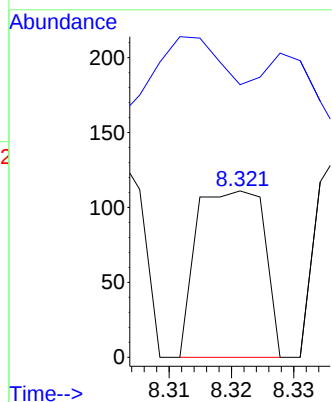
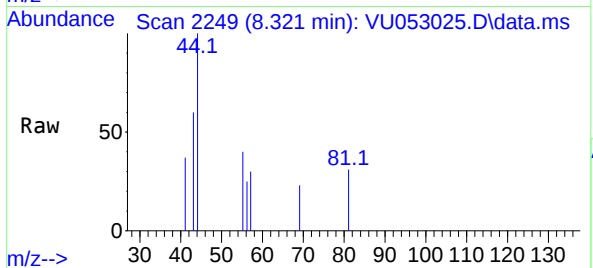
Time-->



#48
Ethyl methacrylate
Concen: 0.012 ug/l
RT: 8.321 min Scan# 2175
Delta R.T. -0.012 min
Lab File: VU053025.D
Acq: 09 Feb 2023 18:53

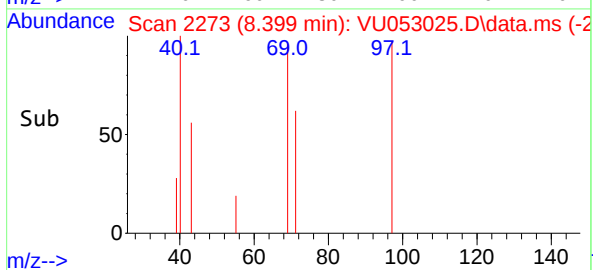
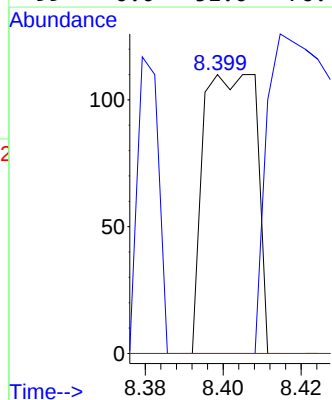
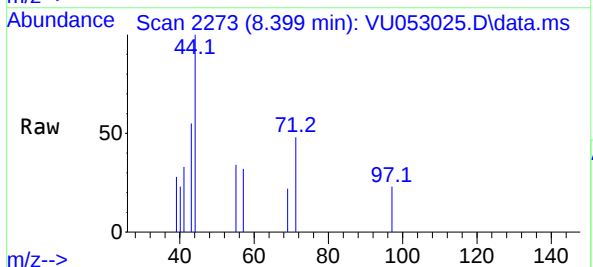
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L10-U-020723

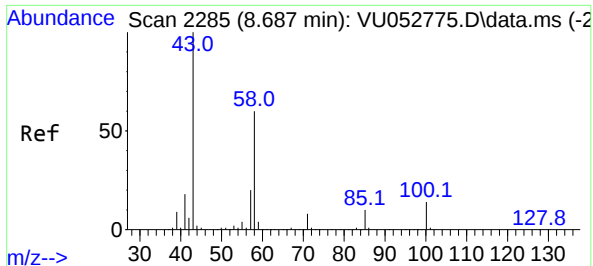
Tgt Ion: 69 Resp: 83
Ion Ratio Lower Upper
69 100
41 43.4 28.1 84.4



#52
1,1,2-Trichloroethane
Concen: 0.017 ug/l
RT: 8.399 min Scan# 2273
Delta R.T. 0.001 min
Lab File: VU053025.D
Acq: 09 Feb 2023 18:53

Tgt Ion: 97 Resp: 104
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#

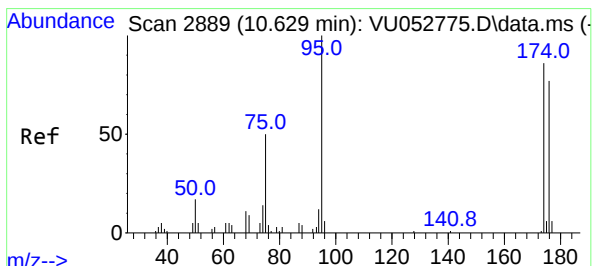
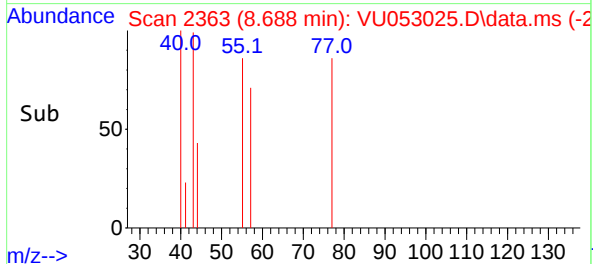
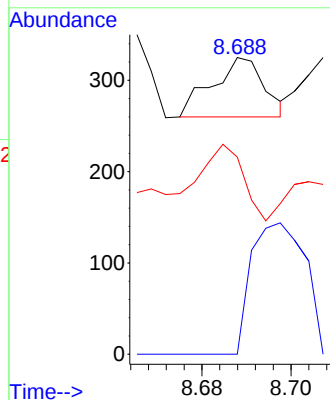
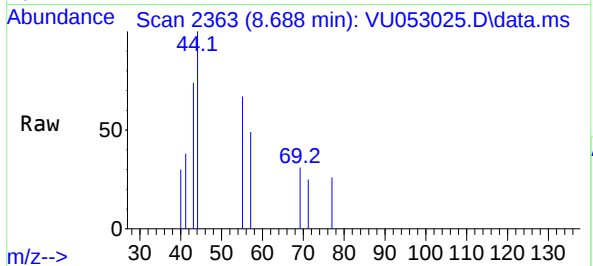




#54
2-Hexanone
Concen: 0.013 ug/l
RT: 8.688 min Scan# 21
Delta R.T. 0.001 min
Lab File: VU053025.D
Acq: 09 Feb 2023 18:53

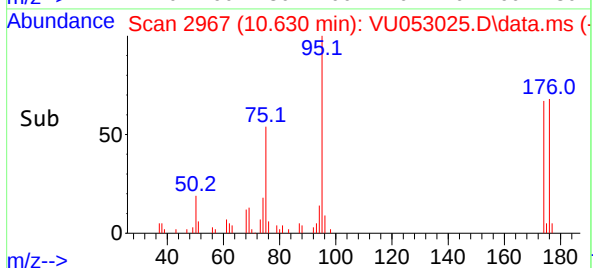
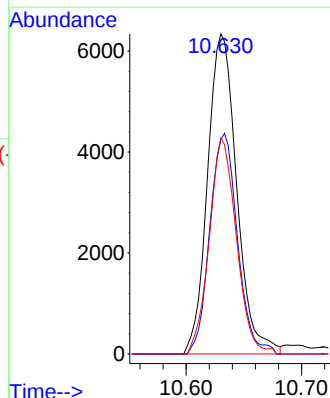
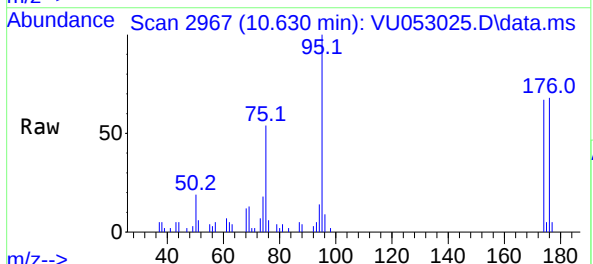
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L10-U-020723

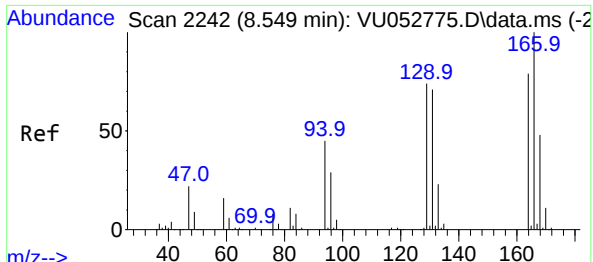
Tgt Ion:	43	Resp:	52
Ion	Ratio	Lower	Upper
43	100		
58	0.0	40.0	80.0#
57	105.8	0.6	40.6#



#57
4-Bromofluorobenzene
Concen: 1.073 ug/l
RT: 10.630 min Scan# 2967
Delta R.T. 0.001 min
Lab File: VU053025.D
Acq: 09 Feb 2023 18:53

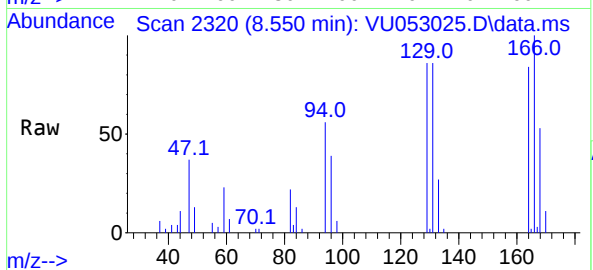
Tgt Ion:	95	Resp:	11151
Ion	Ratio	Lower	Upper
95	100		
174	65.2	66.9	100.3#
176	62.5	61.9	92.9





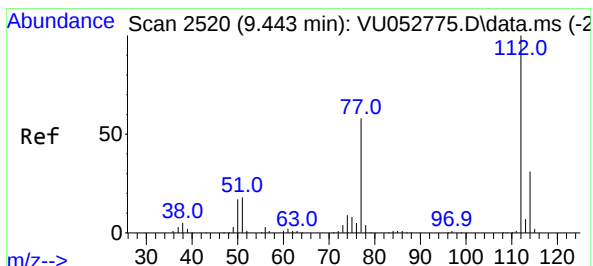
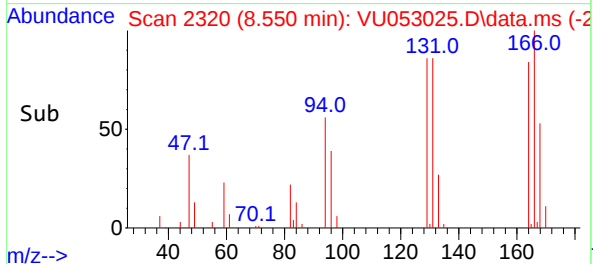
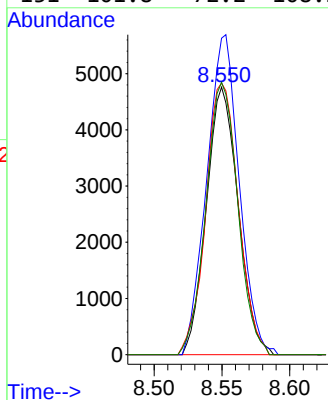
#58
Tetrachloroethene
Concen: 0.952 ug/l
RT: 8.550 min Scan# 21
Delta R.T. 0.001 min
Lab File: VU053025.D
Acq: 09 Feb 2023 18:53

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



Tgt Ion:164 Resp: 7771

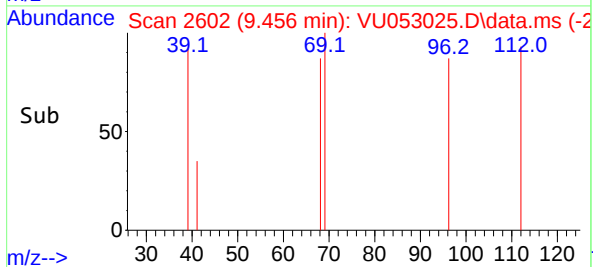
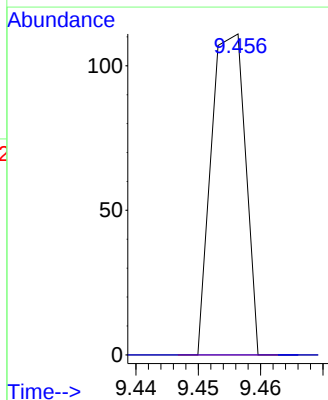
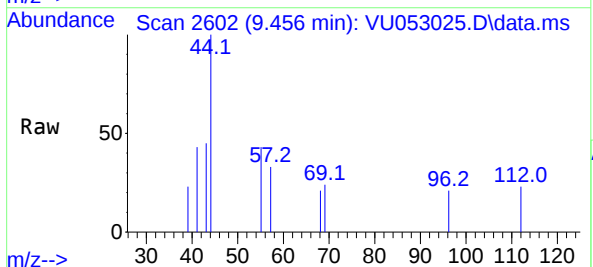
Ion	Ratio	Lower	Upper
164	100		
166	118.3	101.5	152.3
129	101.6	75.2	112.8
131	101.8	72.2	108.2

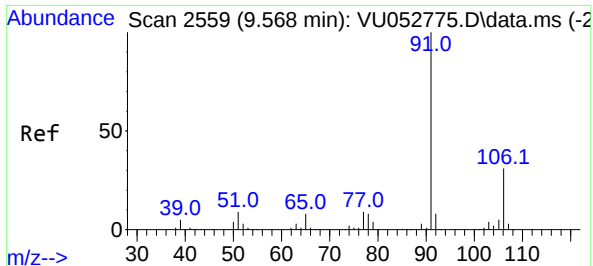


#59
Chlorobenzene
Concen: 0.002 ug/l
RT: 9.456 min Scan# 2602
Delta R.T. 0.014 min
Lab File: VU053025.D
Acq: 09 Feb 2023 18:53

Tgt Ion:112 Resp: 42

Ion	Ratio	Lower	Upper
112	100		
114	0.0	25.2	37.8

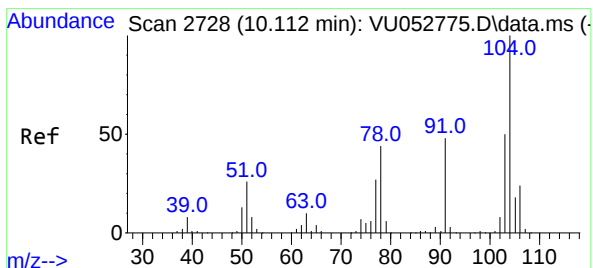
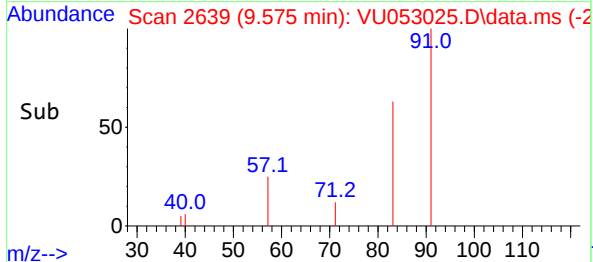
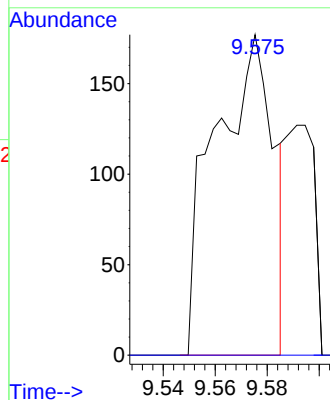
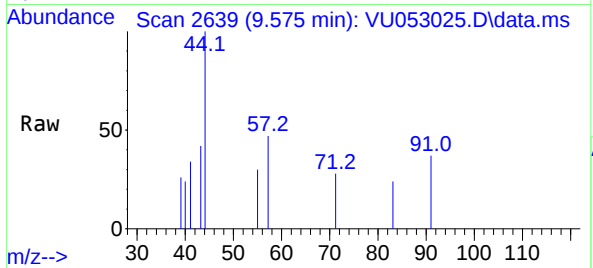




#63
Ethyl Benzene
Concen: 0.008 ug/l
RT: 9.575 min Scan# 210
Delta R.T. 0.007 min
Lab File: VU053025.D
Acq: 09 Feb 2023 18:53

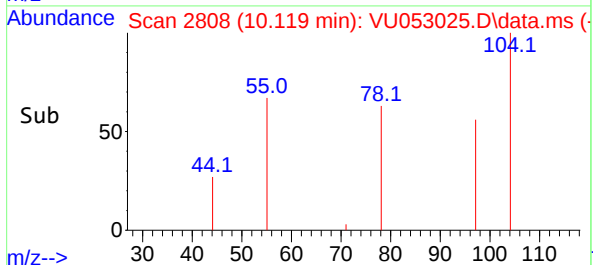
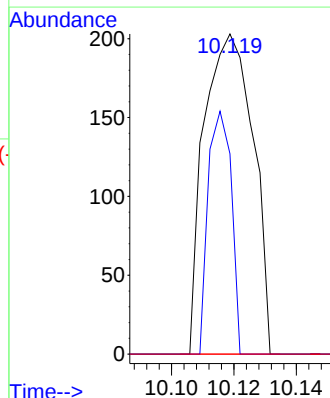
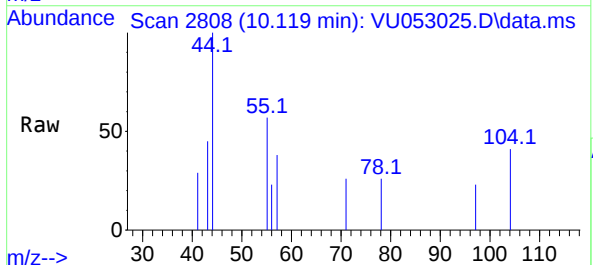
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L10-U-020723

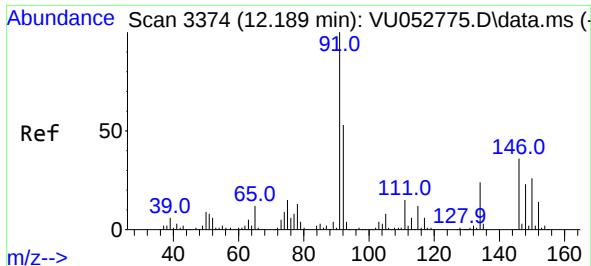
Tgt Ion: 91 Resp: 277
Ion Ratio Lower Upper
91 100
106 0.0 25.1 37.7#



#66
Styrene
Concen: 0.429 ug/l
RT: 10.119 min Scan# 2808
Delta R.T. 0.007 min
Lab File: VU053025.D
Acq: 09 Feb 2023 18:53

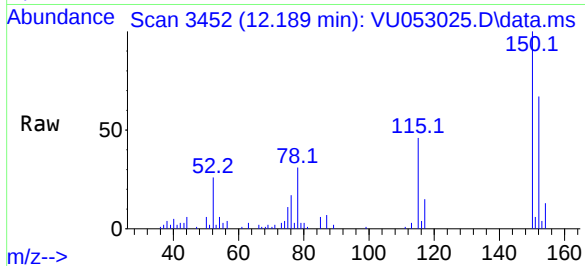
Tgt Ion: 104 Resp: 221
Ion Ratio Lower Upper
104 100
78 35.7 39.6 59.4#
103 0.0 42.9 64.3#



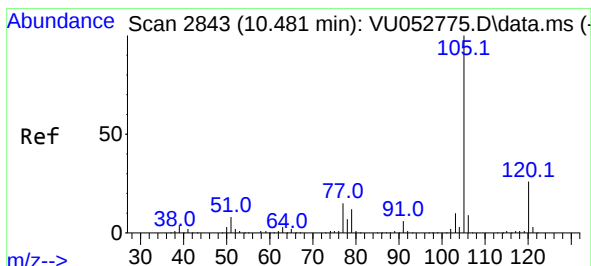
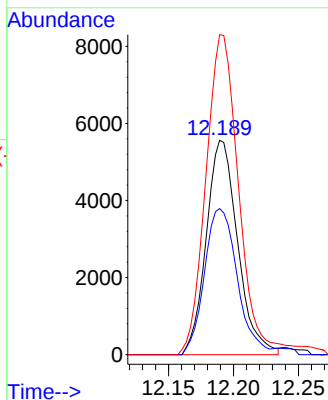
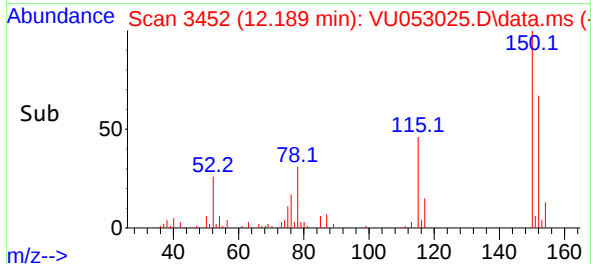


#68
1,2-Dichlorobenzene-d4
Concen: 0.876 ug/l
RT: 12.189 min Scan# 34
Delta R.T. 0.001 min
Lab File: VU053025.D
Acq: 09 Feb 2023 18:53

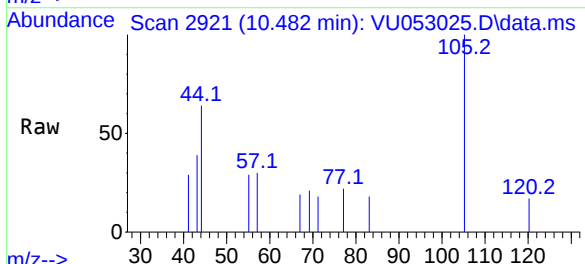
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L10-U-020723



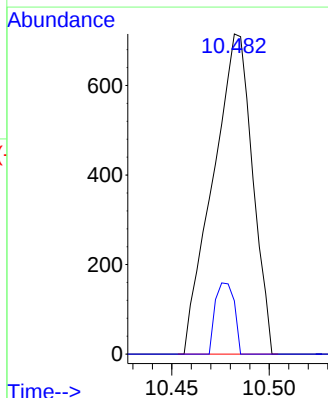
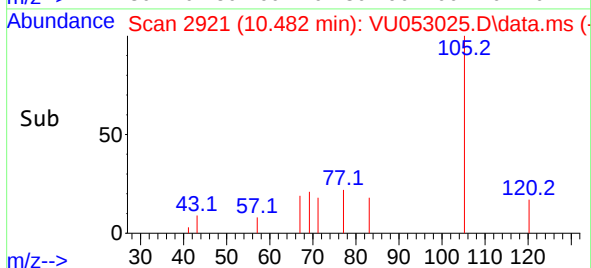
Tgt Ion:152 Resp: 9360
Ion Ratio Lower Upper
152 100
115 70.9 0.0 262.6
150 158.5 0.0 638.0

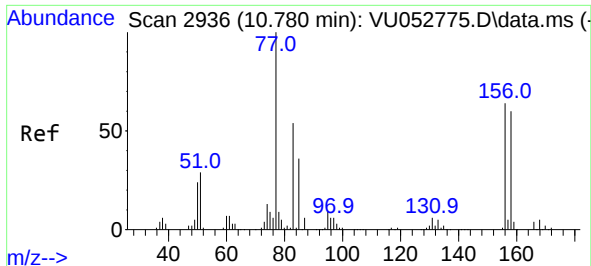


#69
Isopropylbenzene
Concen: 0.029 ug/l
RT: 10.482 min Scan# 2921
Delta R.T. 0.001 min
Lab File: VU053025.D
Acq: 09 Feb 2023 18:53



Tgt Ion:105 Resp: 1009
Ion Ratio Lower Upper
105 100
120 10.7 13.3 39.9#

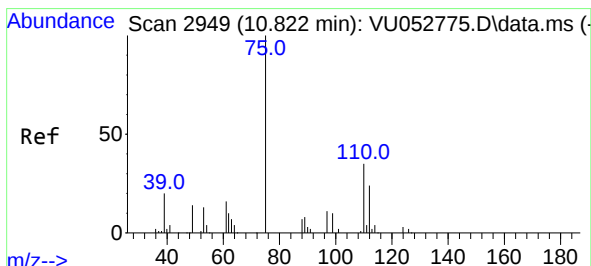
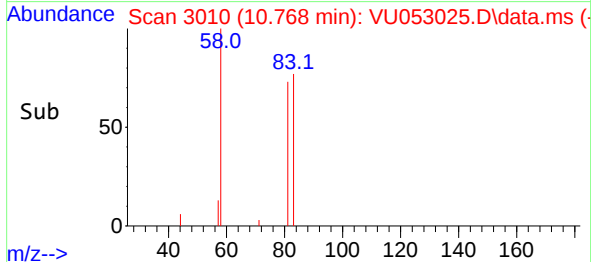
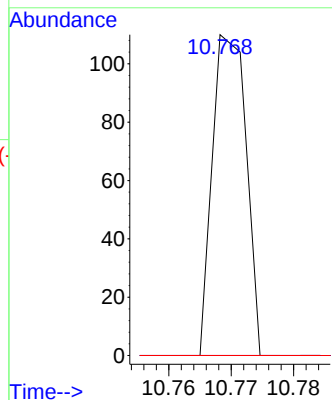
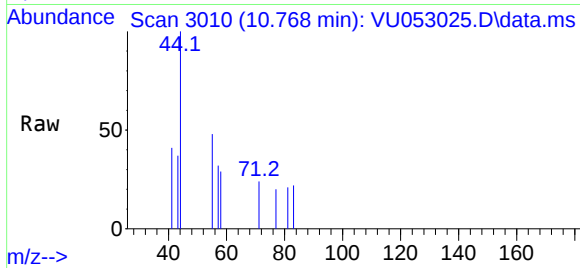




#70
1,1,2,2-Tetrachloroethane
Concen: 0.005 ug/l
RT: 10.768 min Scan# 3010
Delta R.T. -0.012 min
Lab File: VU053025.D
Acq: 09 Feb 2023 18:53

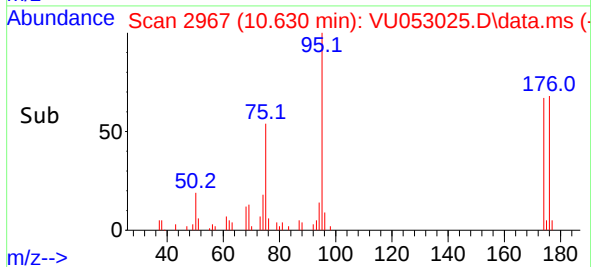
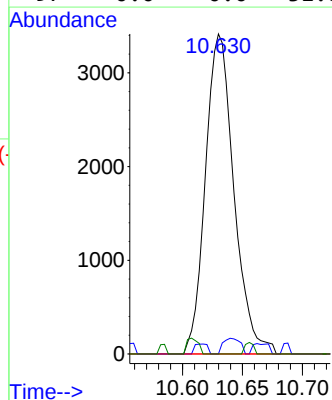
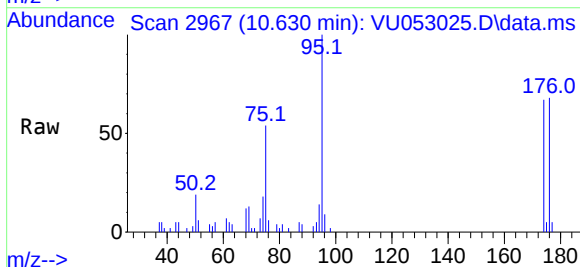
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L10-U-020723

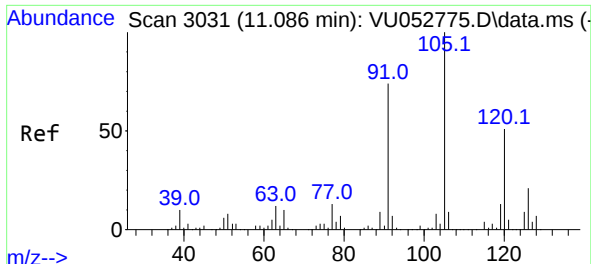
Tgt Ion: 83 Resp: 41
Ion Ratio Lower Upper
83 100
131 0.0 8.6 13.0#
85 0.0 52.6 78.8#



#71
1,2,3-Trichloropropane
Concen: 0.865 ug/l
RT: 10.630 min Scan# 2967
Delta R.T. -0.192 min
Lab File: VU053025.D
Acq: 09 Feb 2023 18:53

Tgt Ion: 75 Resp: 5655
Ion Ratio Lower Upper
75 100
77 2.9 0.0 86.0
110 0.0 0.0 63.8
97 0.0 0.0 31.8

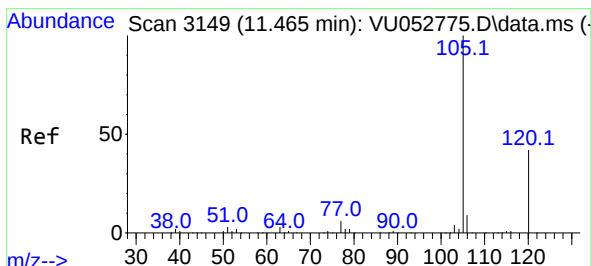
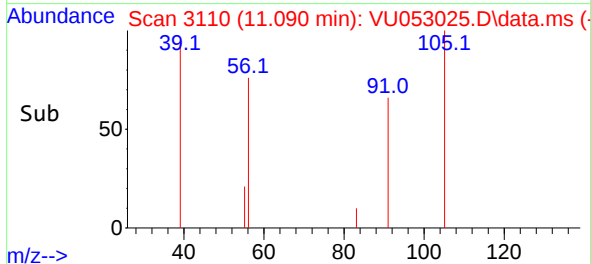
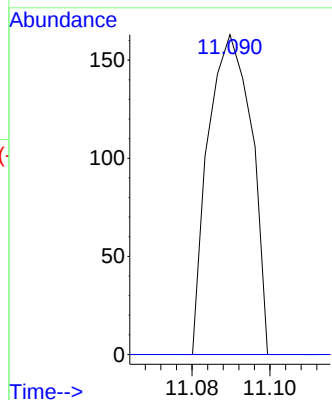
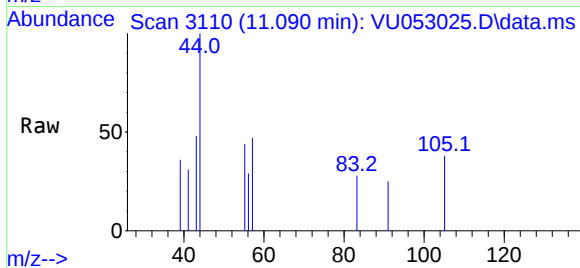




#75
1,3,5-Trimethylbenzene
Concen: 0.423 ug/l
RT: 11.090 min Scan# 3110
Delta R.T. 0.004 min
Lab File: VU053025.D
Acq: 09 Feb 2023 18:53

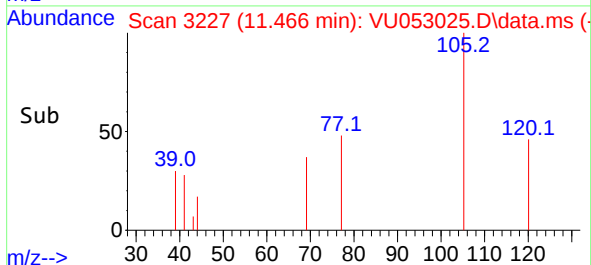
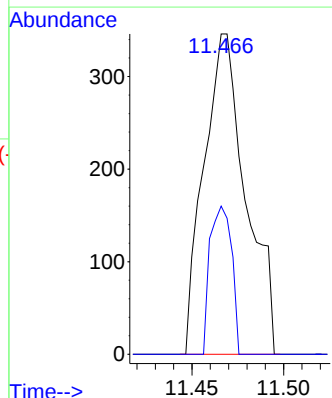
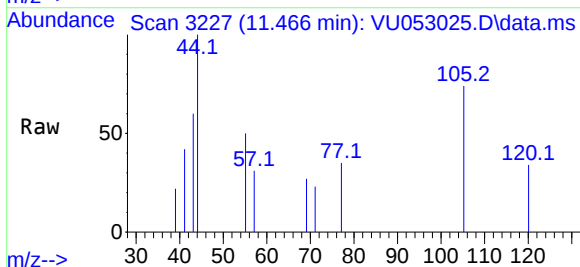
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L10-U-020723

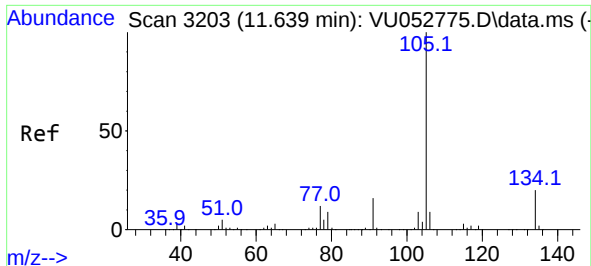
Tgt Ion:105 Resp: 126
Ion Ratio Lower Upper
105 100
120 0.0 39.9 59.9#



#78
1,2,4-Trimethylbenzene
Concen: 0.469 ug/l
RT: 11.466 min Scan# 3227
Delta R.T. 0.001 min
Lab File: VU053025.D
Acq: 09 Feb 2023 18:53

Tgt Ion:105 Resp: 552
Ion Ratio Lower Upper
105 100
120 23.7 23.4 70.3

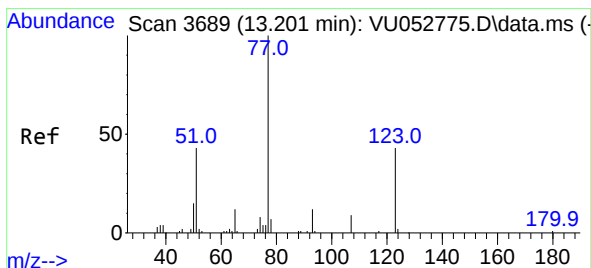
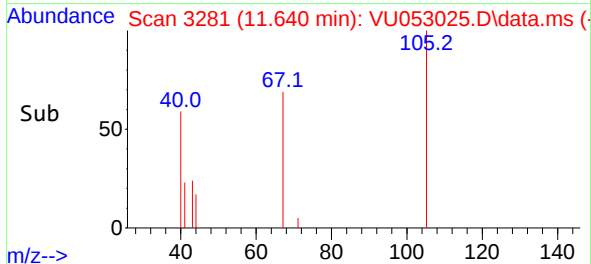
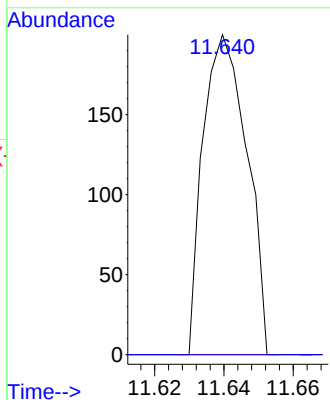
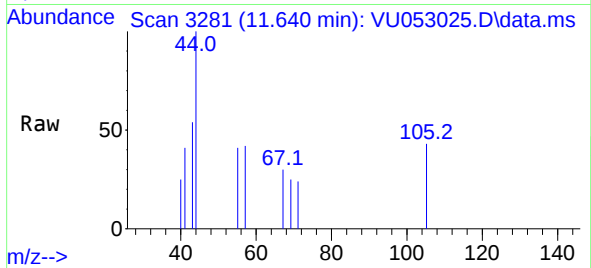




#79
 sec-Butylbenzene
 Concen: 0.433 ug/l
 RT: 11.640 min Scan# 31
 Delta R.T. 0.001 min
 Lab File: VU053025.D
 Acq: 09 Feb 2023 18:53

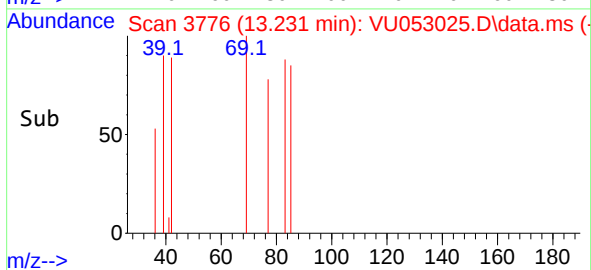
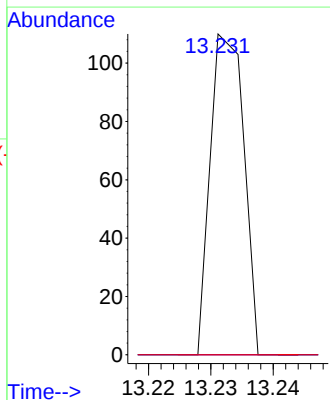
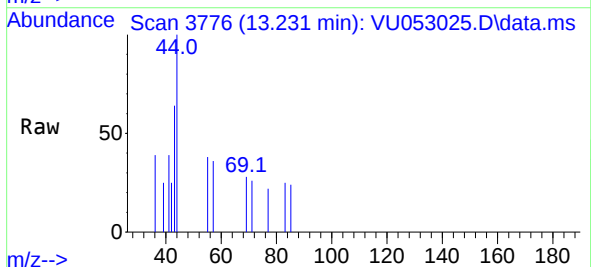
Instrument :
 MSVOA_U
 ClientSampleId :
 PW-B6-L10-U-020723

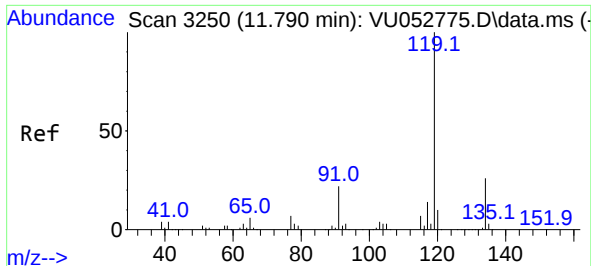
Tgt Ion:105 Resp: 176
 Ion Ratio Lower Upper
 105 100
 134 0.0 16.5 24.7#



#80
 Nitrobenzene
 Concen: 0.088 ug/l
 RT: 13.231 min Scan# 3776
 Delta R.T. 0.030 min
 Lab File: VU053025.D
 Acq: 09 Feb 2023 18:53

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: 0.489 ug/l

RT: 11.791 min Scan# 31

Delta R.T. 0.001 min

Lab File: VU053025.D

Acq: 09 Feb 2023 18:53

Instrument :

MSVOA_U

ClientSampleId :

PW-B6-L10-U-020723

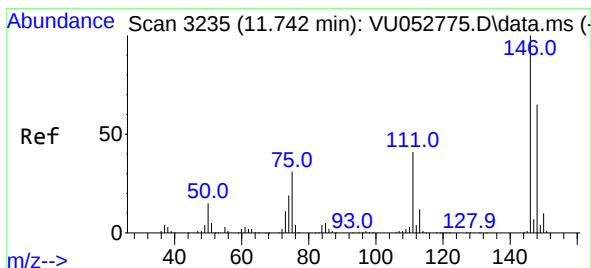
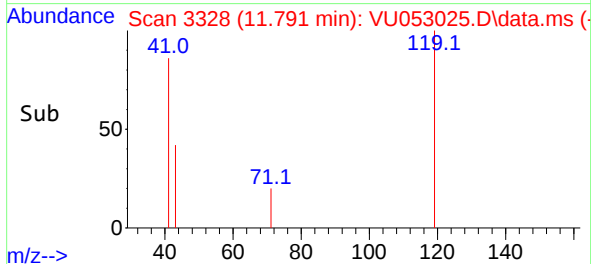
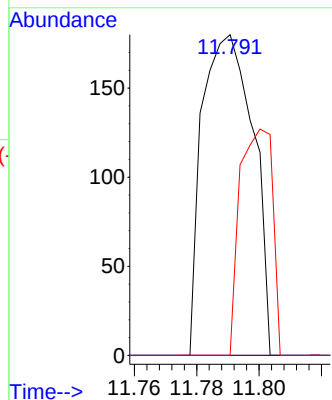
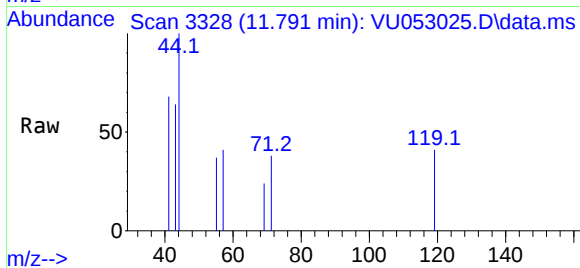
Tgt Ion:119 Resp: 204

Ion Ratio Lower Upper

119 100

134 0.0 20.7 31.1#

91 45.1 17.6 26.4#



#82

1,3-Dichlorobenzene

Concen: 0.002 ug/l

RT: 11.829 min Scan# 3340

Delta R.T. 0.088 min

Lab File: VU053025.D

Acq: 09 Feb 2023 18:53

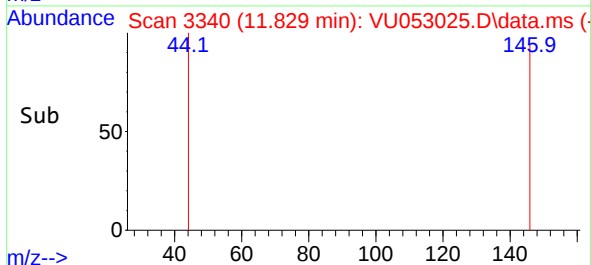
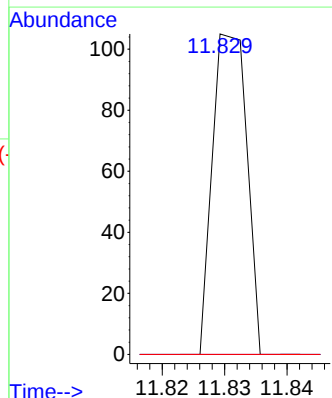
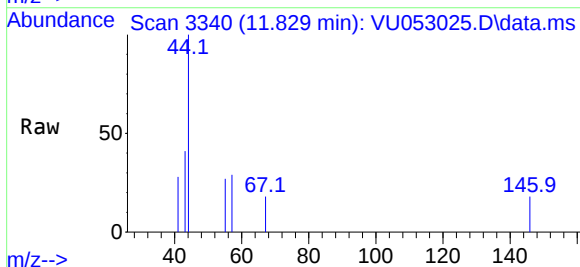
Tgt Ion:146 Resp: 40

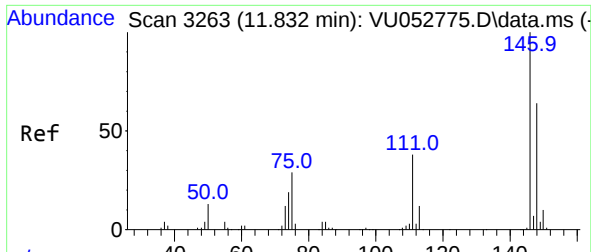
Ion Ratio Lower Upper

146 100

111 0.0 32.6 48.8#

148 0.0 51.9 77.9#

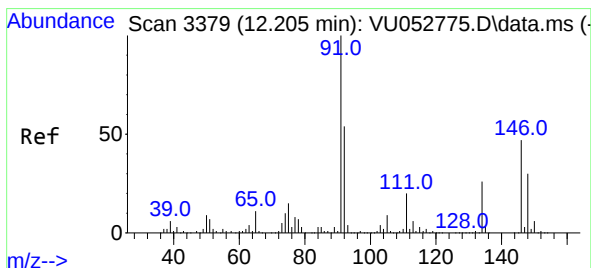
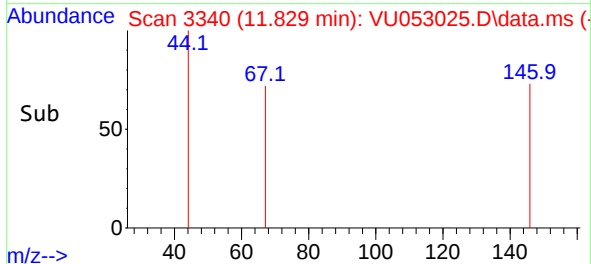
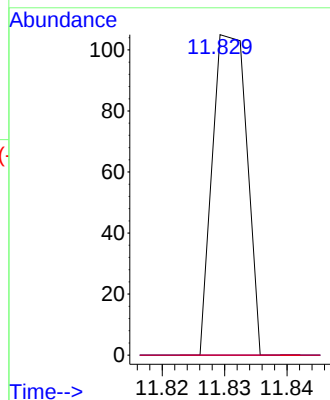
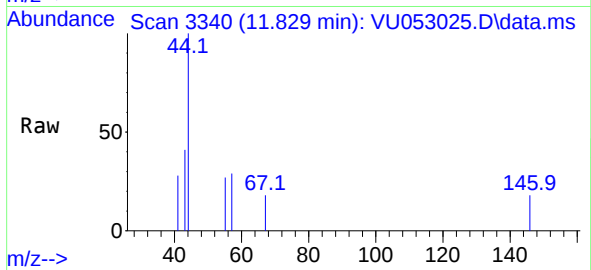




#83
1,4-Dichlorobenzene
Concen: 0.002 ug/l
RT: 11.829 min Scan# 311
Delta R.T. -0.002 min
Lab File: VU053025.D
Acq: 09 Feb 2023 18:53

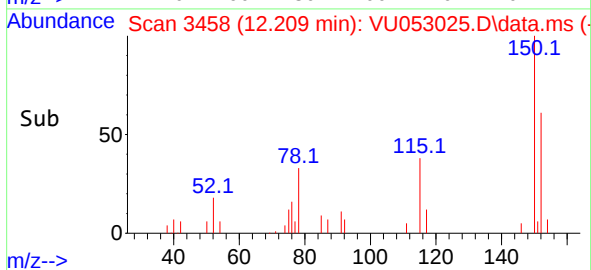
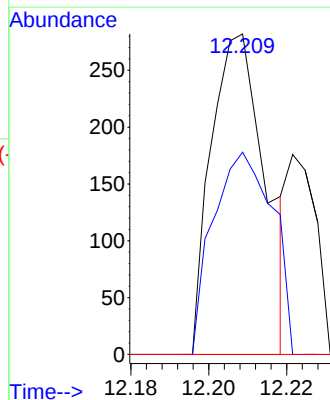
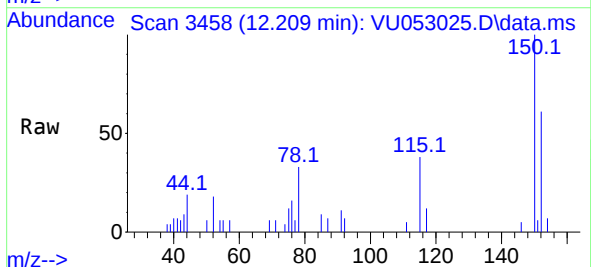
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L10-U-020723

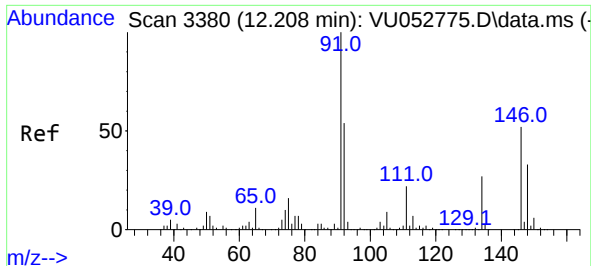
Tgt Ion:146 Resp: 40
Ion Ratio Lower Upper
146 100
111 0.0 29.5 44.3#
148 0.0 51.4 77.0#



#84
n-Butylbenzene
Concen: 0.561 ug/l
RT: 12.209 min Scan# 3458
Delta R.T. 0.004 min
Lab File: VU053025.D
Acq: 09 Feb 2023 18:53

Tgt Ion: 91 Resp: 272
Ion Ratio Lower Upper
91 100
92 69.9 43.4 65.0#
134 0.0 21.2 31.8#

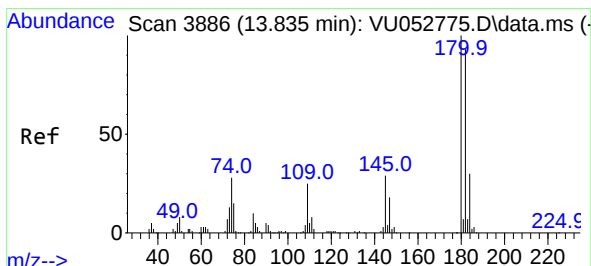
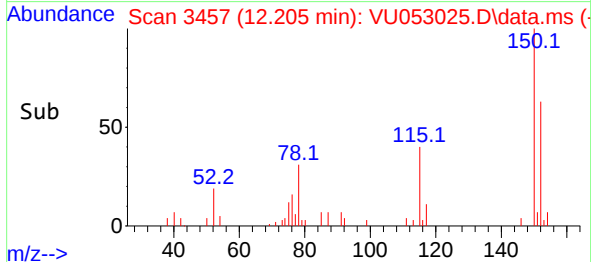
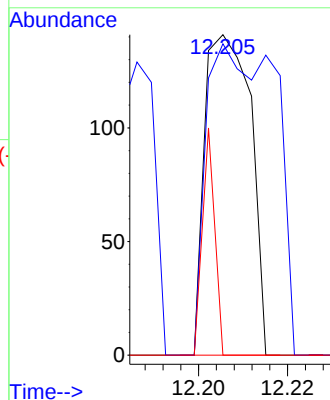
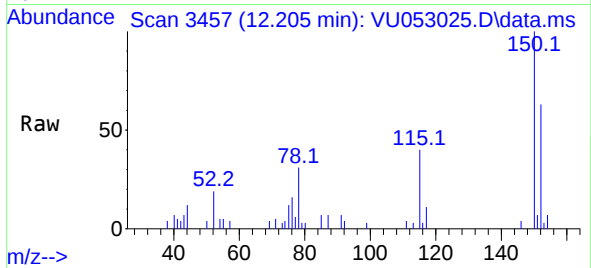




#85
1,2-Dichlorobenzene
Concen: 0.006 ug/l
RT: 12.205 min Scan# 34
Delta R.T. -0.002 min
Lab File: VU053025.D
Acq: 09 Feb 2023 18:53

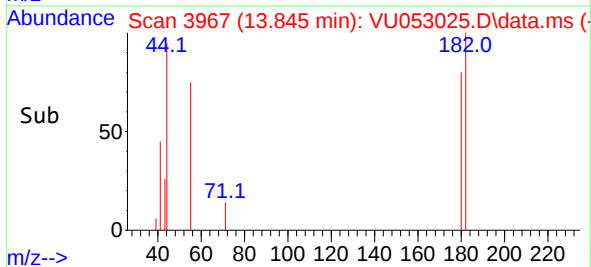
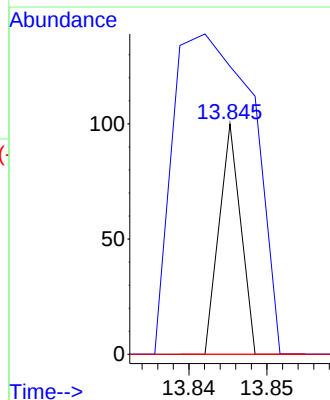
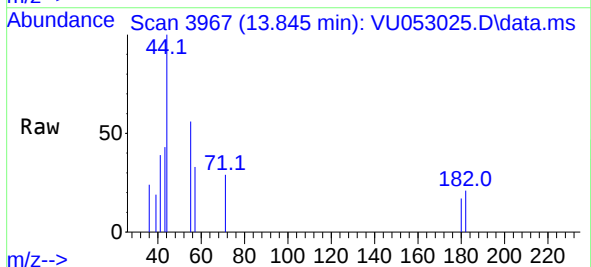
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L10-U-020723

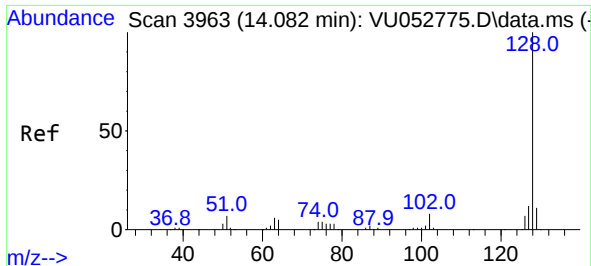
Tgt Ion:146 Resp: 100
Ion Ratio Lower Upper
146 100
111 147.0 20.8 62.5#
148 19.0 31.4 94.2#



#87
1,2,4-Trichlorobenzene
Concen: 0.002 ug/l
RT: 13.845 min Scan# 3967
Delta R.T. 0.010 min
Lab File: VU053025.D
Acq: 09 Feb 2023 18:53

Tgt Ion:180 Resp: 19
Ion Ratio Lower Upper
180 100
182 515.8 74.6 112.0#
145 0.0 23.4 35.0#

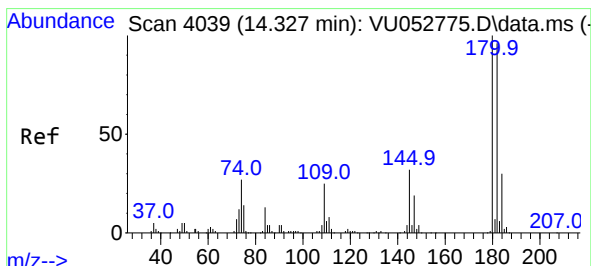
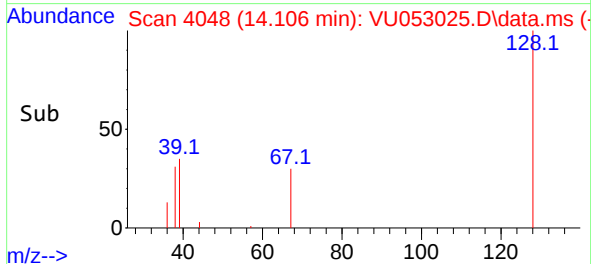
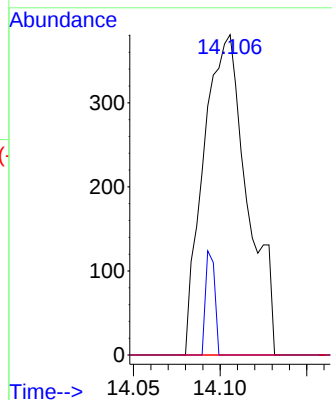
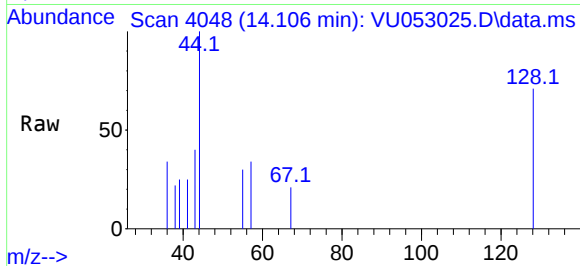




#89
Naphthalene
Concen: 0.034 ug/l
RT: 14.106 min Scan# 4115
Delta R.T. 0.023 min
Lab File: VU053025.D
Acq: 09 Feb 2023 18:53

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

Tgt Ion:	128	Resp:	669
Ion	Ratio	Lower	Upper
128	100		
127	6.7	10.2	15.4#
129	0.0	8.6	12.8#



#90
1,2,3-Trichlorobenzene
Concen: 0.007 ug/l
RT: 14.324 min Scan# 4116
Delta R.T. -0.002 min
Lab File: VU053025.D
Acq: 09 Feb 2023 18:53

Tgt Ion:	180	Resp:	68
Ion	Ratio	Lower	Upper
180	100		
182	0.0	77.8	116.6#
145	0.0	25.2	37.8#

