

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020923\
 Data File : VU053014.D
 Acq On : 09 Feb 2023 11:25
 Operator : JC/MD
 Sample : VU0209WBL01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0209WBL01

Quant Time: Feb 09 13:46:31 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	34440	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	12188	1.064	ug/l	0.00
Spiked Amount 1.000			Recovery	=	106.000%	
68) 1,2-Dichlorobenzene-d4	12.189	152	10251	0.870	ug/l	0.00
Spiked Amount 1.000			Recovery	=	87.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.376	85	43	0.004	ug/l	# 43
3) Chloromethane	1.518	50	694	0.063	ug/l	95
5) Bromomethane	1.862	94	376	0.068	ug/l	# 51
6) Chloroethane	1.974	64	22	0.003	ug/l	# 1
9) 1,1-Dichloroethene	2.572	96	83	0.010	ug/l	6
10) Iodomethane	2.717	142	249	0.028	ug/l	# 57
11) Allyl Chloride	3.093	41	88	0.009	ug/l	84
12) Acrylonitrile	3.296	53	58	0.034	ug/l	# 1
13) Acetone	2.550	43	178	0.074	ug/l	96
14) Carbon Disulfide	2.791	76	697	0.026	ug/l	# 93
15) Methylene Chloride	3.045	84	1228	0.127	ug/l	85
16) trans-1,2-Dichloroethene	3.357	96	97	0.011	ug/l	# 81
17) 1,1-Dichloroethane	3.875	63	188	0.012	ug/l	# 91
18) 2-Butanone	4.752	43	628	0.224	ug/l	81
19) Cyclohexane	5.363	56	142	0.011	ug/l	# 14
20) Methylcyclohexane	6.749	83	109	0.007	ug/l	# 1
21) 2,2-Dichloropropane	4.656	77	151	0.011	ug/l	# 55
22) cis-1,2-Dichloroethene	4.669	96	94	0.010	ug/l	67
23) Diethyl Ether	2.376	59	38	0.007	ug/l	# 1
24) tert-Butyl Alcohol	3.386	59	398	0.582	ug/l	87
25) Methyl tert-Butyl Ether	3.363	73	239	0.013	ug/l	# 7
26) Bromochloromethane	4.965	128	69	0.016	ug/l	# 1
27) Chloroform	5.093	83	219	0.014	ug/l	23
28) 1,1,1-Trichloroethane	5.328	97	135	0.009	ug/l	# 25
30) Carbon Tetrachloride	5.415	117	125	0.009	ug/l	# 12
31) Isopropyl Ether	3.849	45	163	0.008	ug/l	97
32) Ethyl-t-butyl ether	4.511	59	149	0.007	ug/l	# 31
33) Tert-Amyl methyl ether	5.939	73	60	0.003	ug/l	# 53
34) Propionitrile	4.791	54	233	0.362	ug/l	# 1
35) Benzene	5.768	78	40	0.001	ug/l	91
36) 1,2-Dichloroethane	5.566	62	19	0.002	ug/l	# 1
39) Methacrylonitrile	4.971	41	71	0.028	ug/l	# 1
40) Methyl acrylate	4.858	55	164	0.036	ug/l	# 1
41) Tetrahydrofuran	5.077	42	99	0.078	ug/l	# 1
42) 1-Chlorobutane	5.463	56	81	0.005	ug/l	# 28
43) Dibromomethane	6.900	93	20	0.004	ug/l	# 1
44) Bromodichloromethane	7.093	83	87	0.007	ug/l	# 1
45) 4-Methyl-2-Pentanone	7.797	43	314	0.064	ug/l	# 28
46) t-1,4-Dichloro-2-butene	10.630	75	6070	2.347	ug/l	# 27
47) Methyl methacrylate	6.971	69	55	0.013	ug/l	# 1
48) Ethyl methacrylate	8.334	69	112	0.015	ug/l	67
49) Toluene	7.964	92	108	0.005	ug/l	# 1
52) 1,1,2-Trichloroethane	8.399	97	302	0.045	ug/l	# 55

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

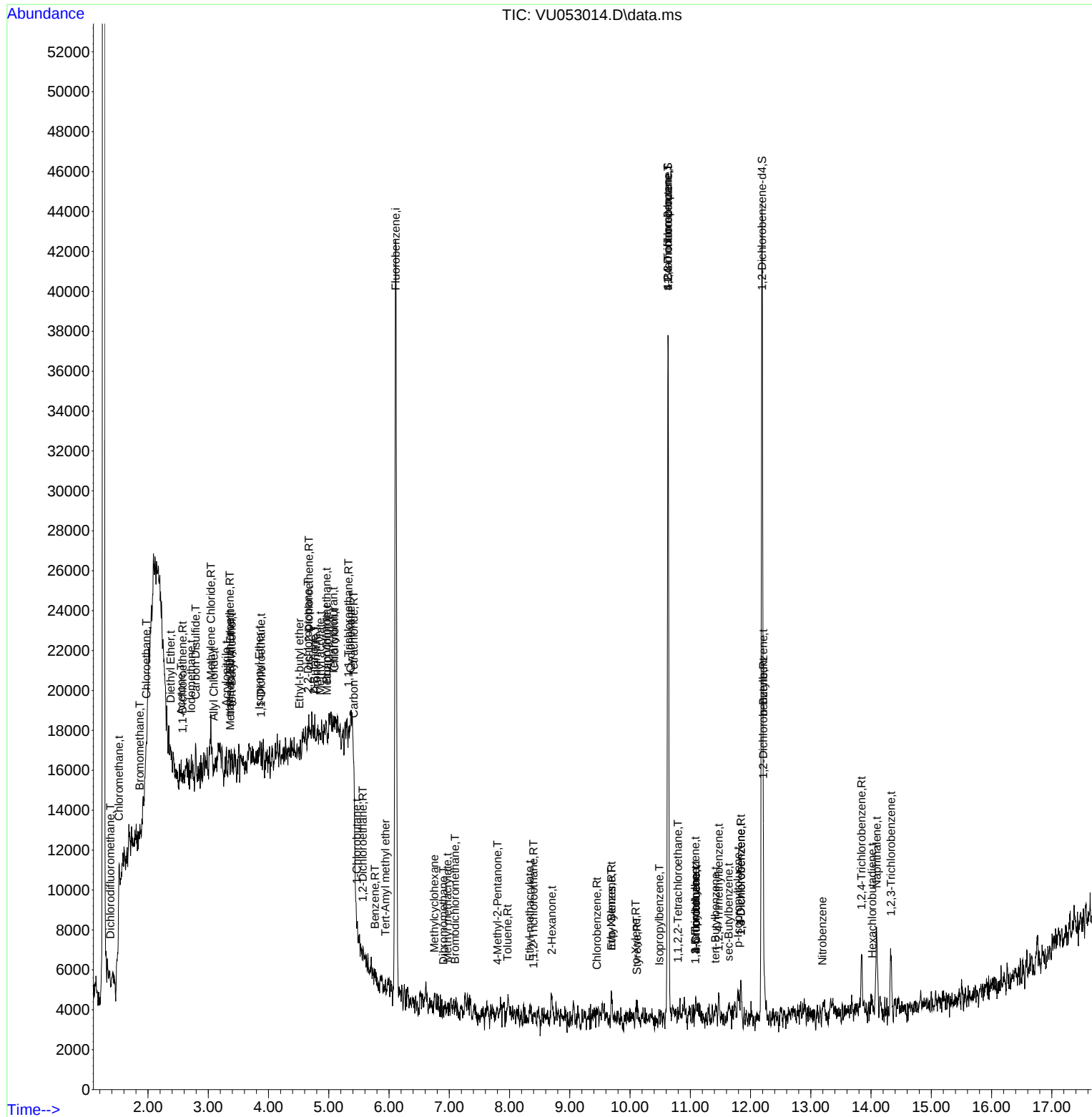
54) 2-Hexanone	8.701	43	1378	0.319	ug/l	95
59) Chlorobenzene	9.450	112	327	0.014	ug/l #	43
63) Ethyl Benzene	9.691	91	1180	0.030	ug/l	96
64) m/p-Xylenes	9.691	106	275	0.018	ug/l #	1
65) o-Xylene	10.096	106	74	0.005	ug/l #	1
66) Styrene	10.116	104	380	0.433	ug/l #	53
69) Isopropylbenzene	10.485	105	398	0.010	ug/l #	48
70) 1,1,2,2-Tetrachloroethane	10.794	83	58	0.007	ug/l #	1
71) 1,2,3-Trichloropropane	10.630	75	6070	0.843	ug/l #	43
73) n-propylbenzene	11.087	120	166	0.453	ug/l	96
74) 2-Chlorotoluene	11.093	126	20	0.002	ug/l #	1
75) 1,3,5-Trimethylbenzene	11.083	105	429	0.430	ug/l #	84
76) 4-Chlorotoluene	11.093	126	20	0.002	ug/l #	1
77) tert-Butylbenzene	11.415	119	283	0.008	ug/l #	35
78) 1,2,4-Trimethylbenzene	11.472	105	678	0.471	ug/l #	61
79) sec-Butylbenzene	11.636	105	628	0.441	ug/l #	78
80) Nitrobenzene	13.193	77	252	0.489	ug/l #	41
81) p-Isopropyltoluene	11.791	119	715	0.500	ug/l #	83
82) 1,3-Dichlorobenzene	11.839	146	441	0.022	ug/l	90
83) 1,4-Dichlorobenzene	11.839	146	441	0.022	ug/l #	88
84) n-Butylbenzene	12.209	91	2011	0.602	ug/l #	86
85) 1,2-Dichlorobenzene	12.212	146	367	0.020	ug/l #	65
87) 1,2,4-Trichlorobenzene	13.839	180	1073	0.095	ug/l	94
88) Hexachlorobutadiene	14.019	225	83	0.011	ug/l #	19
89) Naphthalene	14.093	128	4242	0.195	ug/l #	92
90) 1,2,3-Trichlorobenzene	14.331	180	1038	0.097	ug/l	93

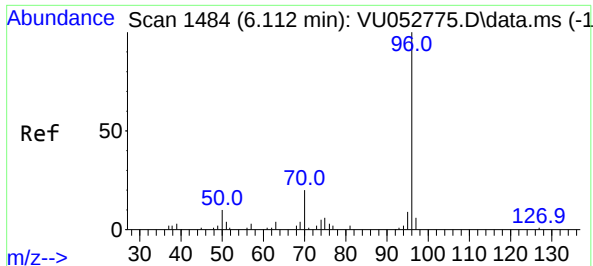
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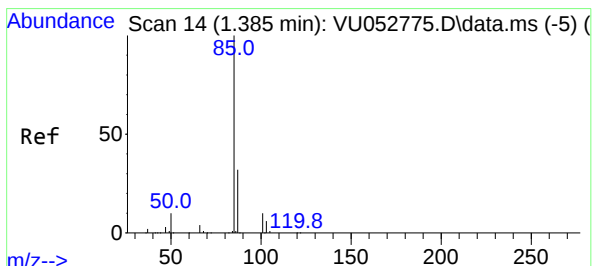
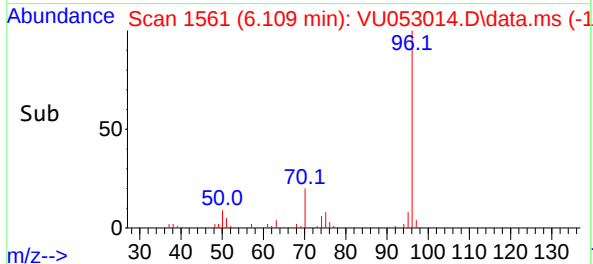
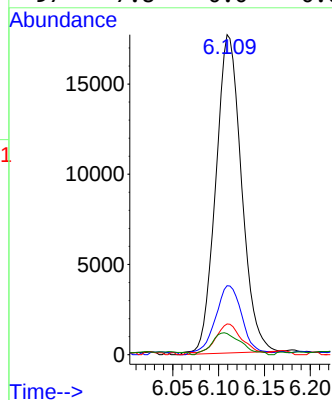
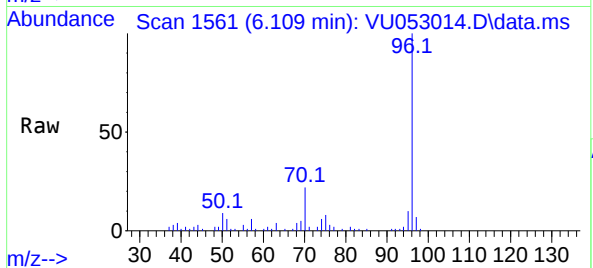




#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.109 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU053014.D
Acq: 09 Feb 2023 11:25

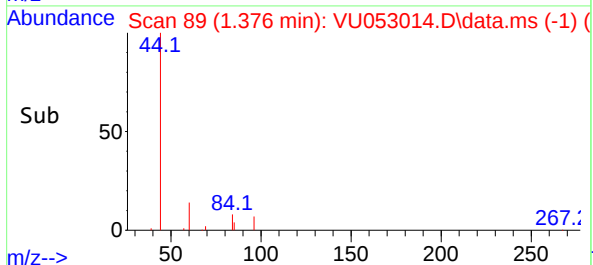
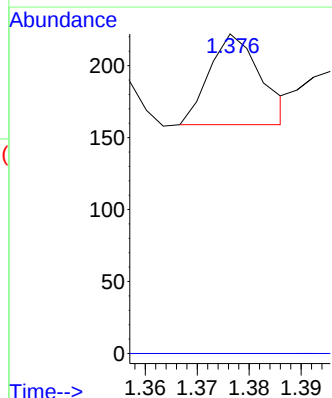
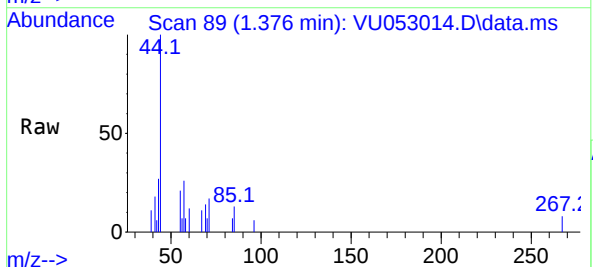
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MSVOA_U
ClientSampleId :
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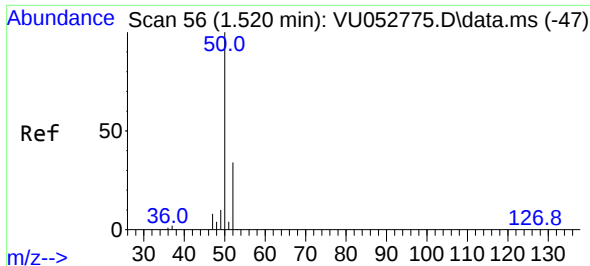
Tgt Ion: 96	Resp: 34440
Ion Ratio	Lower Upper
96 100	
70 21.8	16.2 24.4
95 9.4	7.4 11.0
97 7.8	0.0 0.0#



#2
Dichlorodifluoromethane
Concen: 0.004 ug/l
RT: 1.376 min Scan# 89
Delta R.T. -0.009 min
Lab File: VU053014.D
Acq: 09 Feb 2023 11:25

Tgt Ion: 85	Resp: 43
Ion Ratio	Lower Upper
85 100	
87 0.0	16.1 48.2#

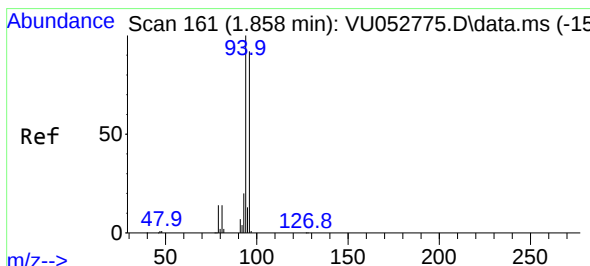
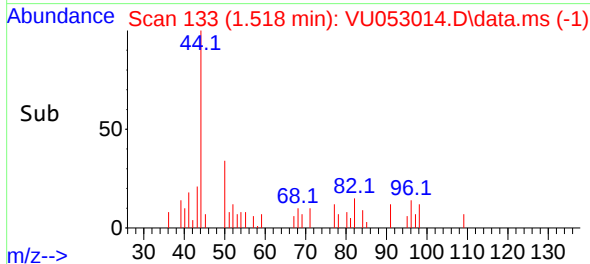
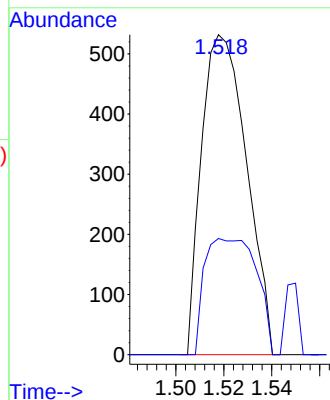
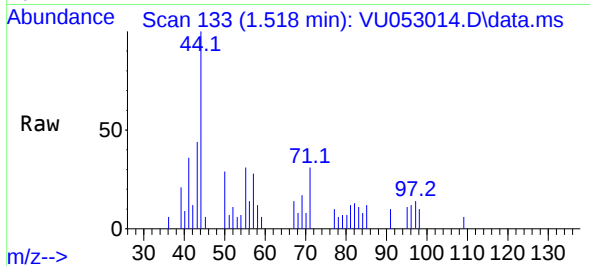




#3
Chloromethane
Concen: 0.063 ug/l
RT: 1.518 min Scan# 11
Delta R.T. -0.002 min
Lab File: VU053014.D
Acq: 09 Feb 2023 11:25

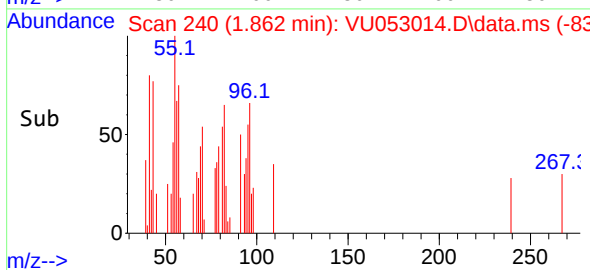
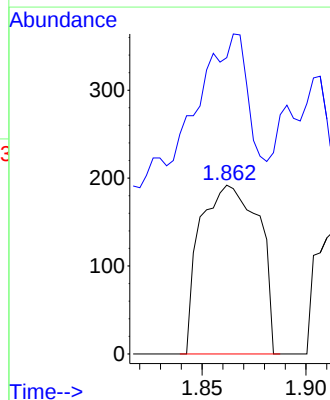
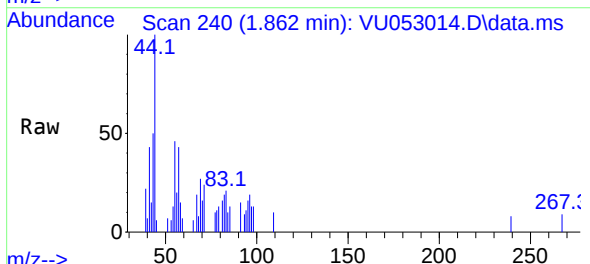
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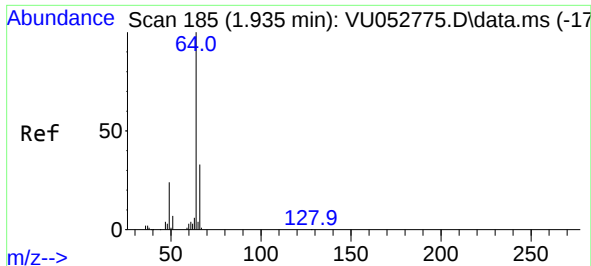
Tgt Ion: 50 Resp: 694
Ion Ratio Lower Upper
50 100
52 36.3 26.8 40.2



#5
Bromomethane
Concen: 0.068 ug/l
RT: 1.862 min Scan# 240
Delta R.T. 0.004 min
Lab File: VU053014.D
Acq: 09 Feb 2023 11:25

Tgt Ion: 94 Resp: 376
Ion Ratio Lower Upper
94 100
96 45.3 73.8 110.6#

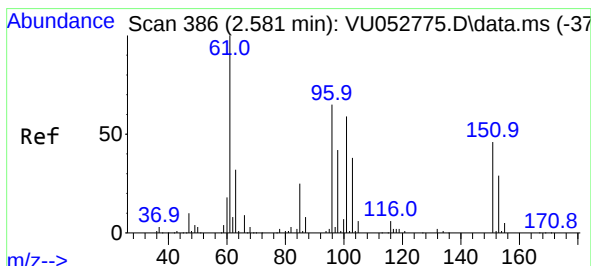
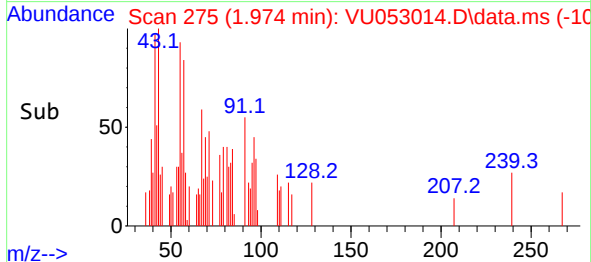
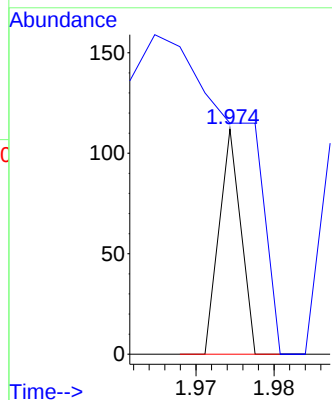
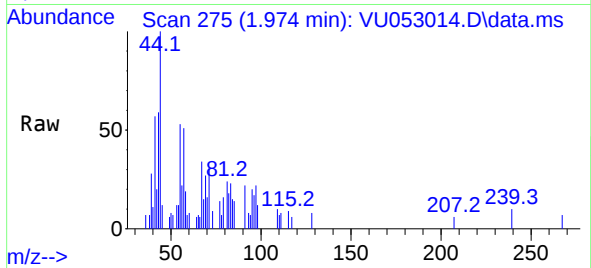




#6
Chloroethane
Concen: 0.003 ug/l
RT: 1.974 min Scan# 21
Delta R.T. 0.039 min
Lab File: VU053014.D
Acq: 09 Feb 2023 11:25

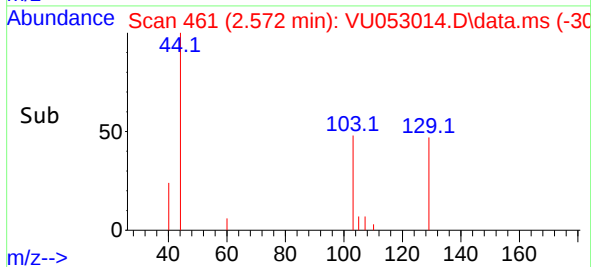
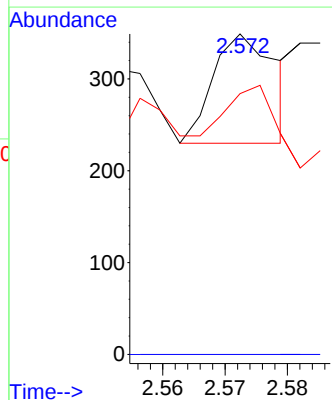
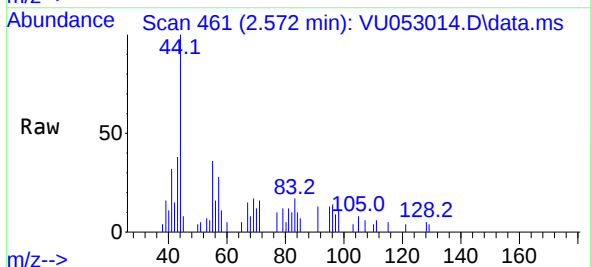
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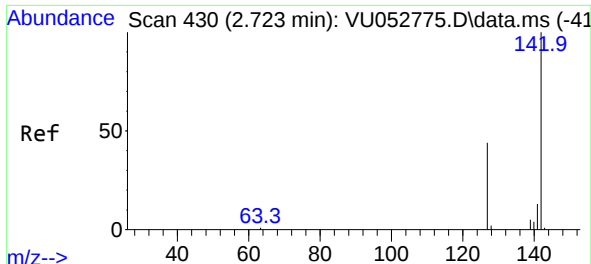
Tgt Ion: 64 Resp: 22
Ion Ratio Lower Upper
64 100
66 102.7 26.6 40.0#



#9
1,1-Dichloroethene
Concen: 0.010 ug/l
RT: 2.572 min Scan# 461
Delta R.T. -0.009 min
Lab File: VU053014.D
Acq: 09 Feb 2023 11:25

Tgt Ion: 96 Resp: 83
Ion Ratio Lower Upper
96 100
61 0.0 0.0 460.5
98 38.7 0.0 128.0

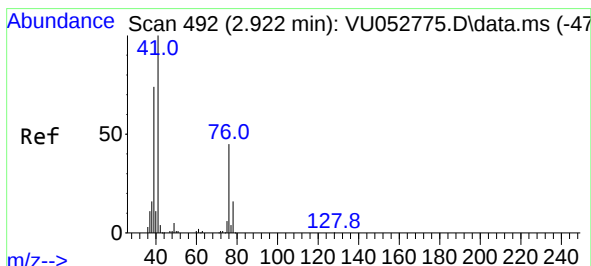
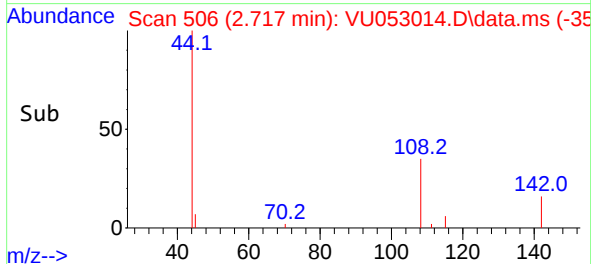
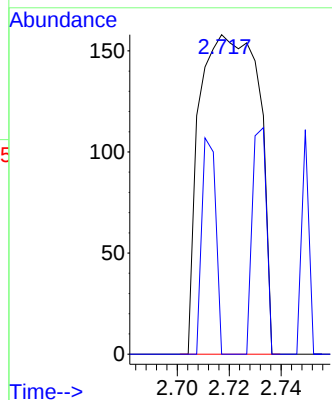
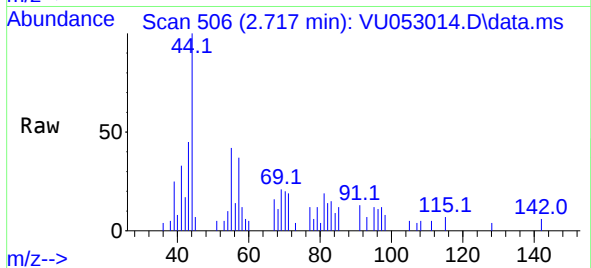




#10
Iodomethane
Concen: 0.028 ug/l
RT: 2.717 min Scan# 50
Delta R.T. -0.006 min
Lab File: VU053014.D
Acq: 09 Feb 2023 11:25

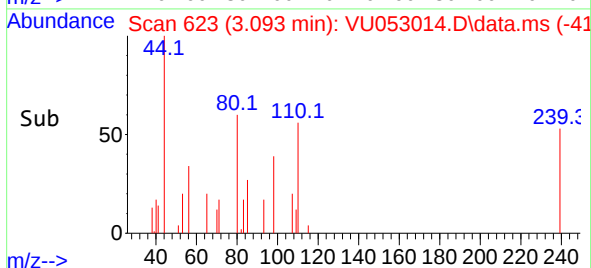
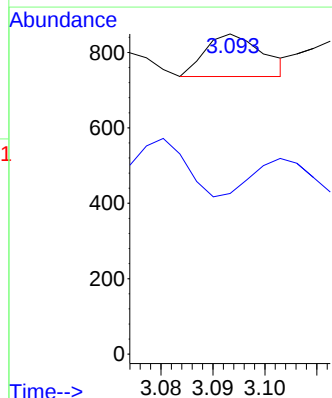
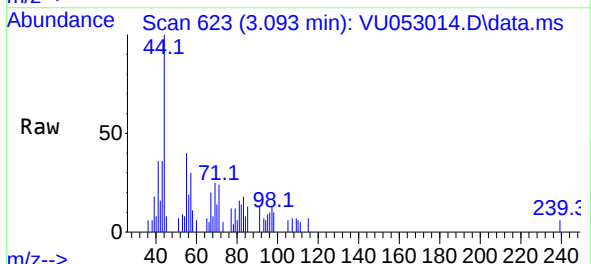
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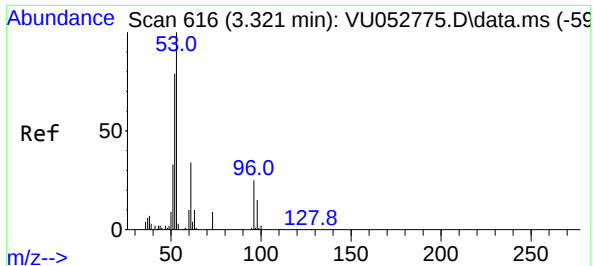
Tgt Ion:142 Resp: 249
Ion Ratio Lower Upper
142 100
127 16.1 35.4 53.0#



#11
Allyl Chloride
Concen: 0.009 ug/l
RT: 3.093 min Scan# 623
Delta R.T. 0.171 min
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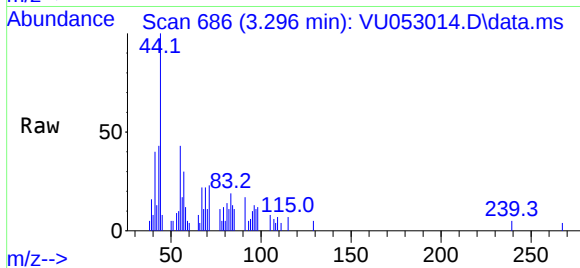
Tgt Ion: 41 Resp: 88
Ion Ratio Lower Upper
41 100
39 87.5 59.3 88.9



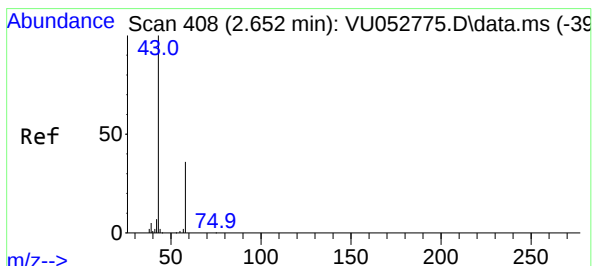
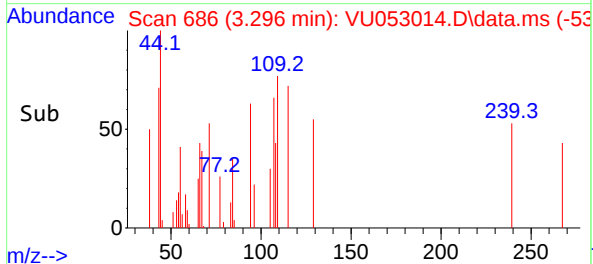
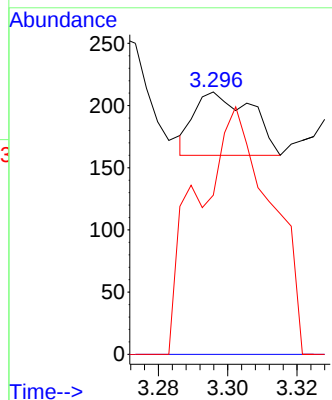


#12
Acrylonitrile
Concen: 0.034 ug/l
RT: 3.296 min Scan# 616
Delta R.T. -0.025 min
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ClientSampleId :
VU0209WBL01

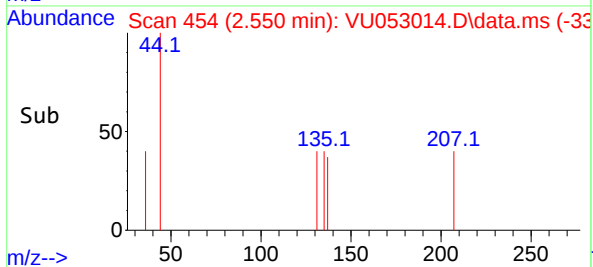
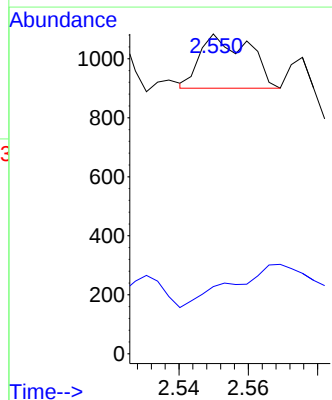
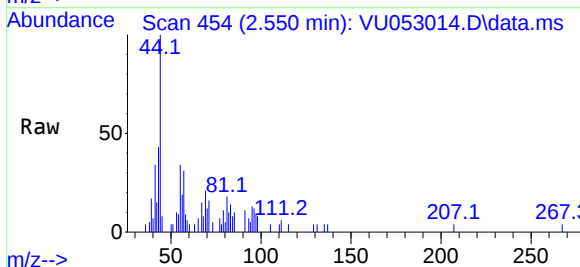


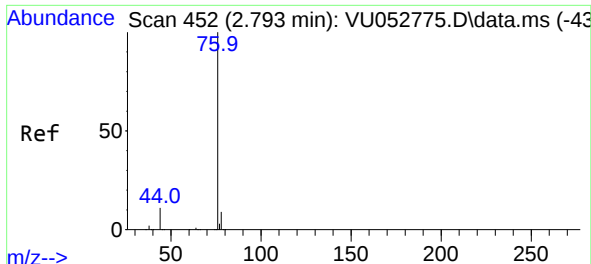
Tgt Ion: 53 Resp: 58
Ion Ratio Lower Upper
53 100
52 0.0 63.0 94.4#
51 505.2 31.3 46.9#



#13
Acetone
Concen: 0.074 ug/l
RT: 2.550 min Scan# 454
Delta R.T. -0.102 min
Lab File: VU053014.D
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Tgt Ion: 43 Resp: 178
Ion Ratio Lower Upper
43 100
58 38.6 29.0 43.4

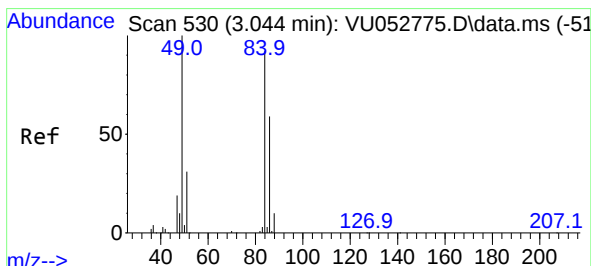
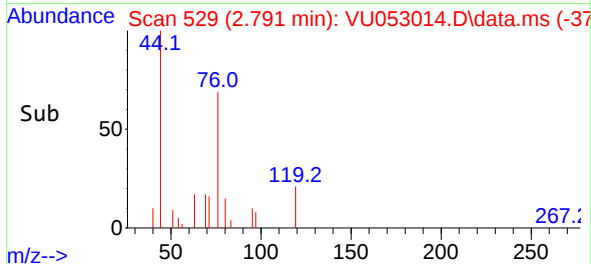
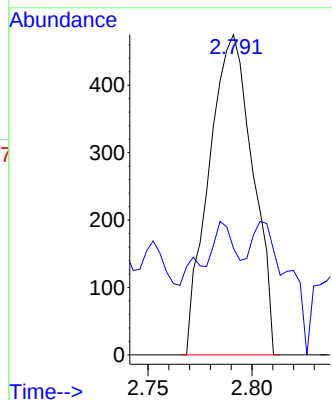
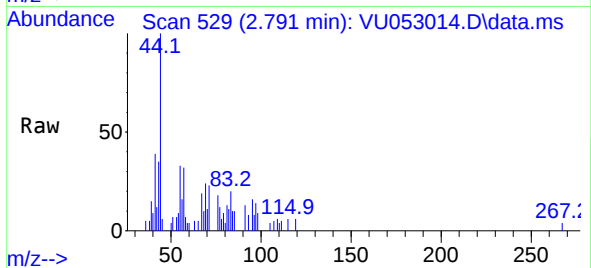




#14
Carbon Disulfide
Concen: 0.026 ug/l
RT: 2.791 min Scan# 51
Delta R.T. -0.002 min
Lab File: VU053014.D
Acq: 09 Feb 2023 11:25

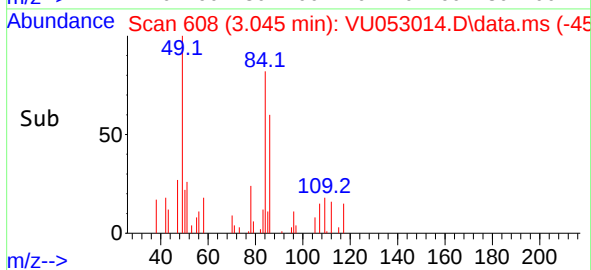
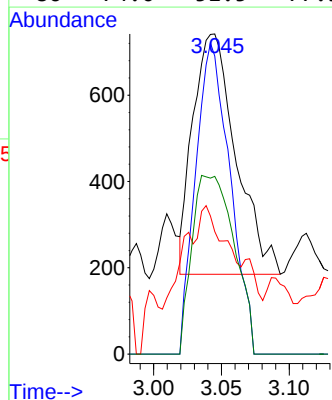
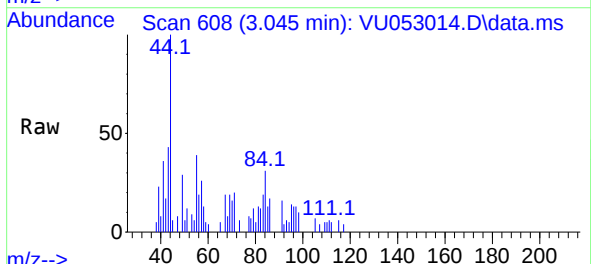
Instrument :
MSVOA_U
ClientSampleId :
VU0209WBL01

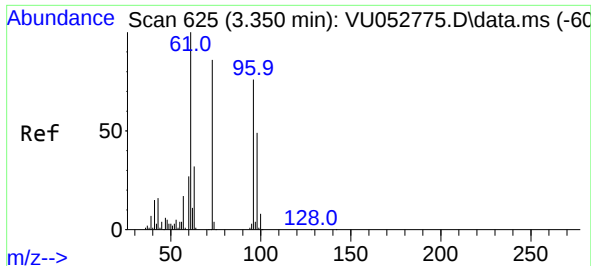
Tgt Ion: 76 Resp: 697
Ion Ratio Lower Upper
76 100
78 11.6 7.1 10.7#



#15
Methylene Chloride
Concen: 0.127 ug/l
RT: 3.045 min Scan# 608
Delta R.T. 0.001 min
Lab File: VU053014.D
Acq: 09 Feb 2023 11:25

Tgt Ion: 84 Resp: 1228
Ion Ratio Lower Upper
84 100
49 124.1 86.7 130.1
51 21.9 0.0 66.8
86 74.0 51.5 77.3

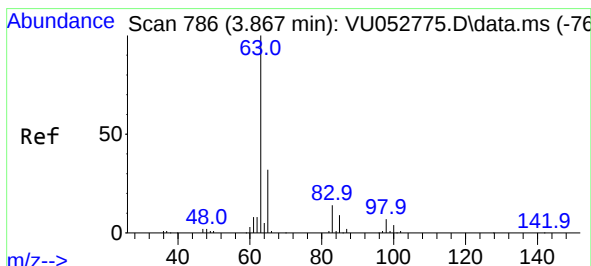
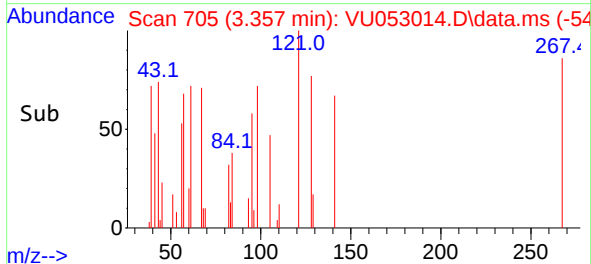
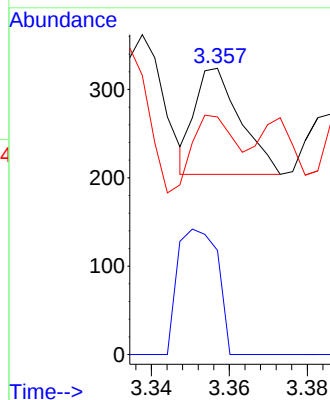
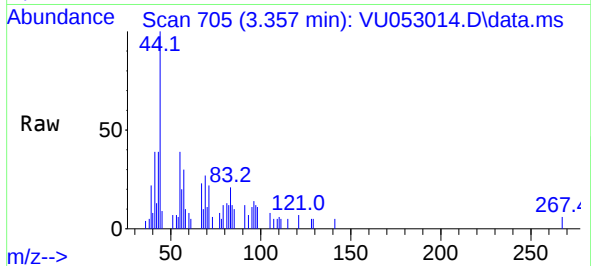




#16
trans-1,2-Dichloroethene
Concen: 0.011 ug/l
RT: 3.357 min Scan# 70
Delta R.T. 0.007 min
Lab File: VU053014.D
Acq: 09 Feb 2023 11:25

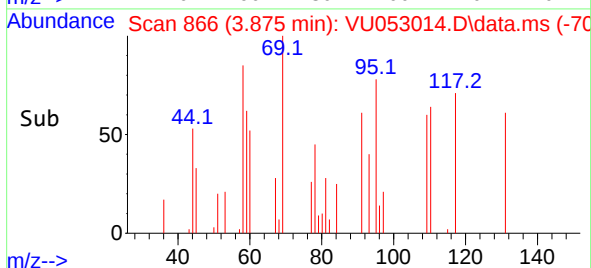
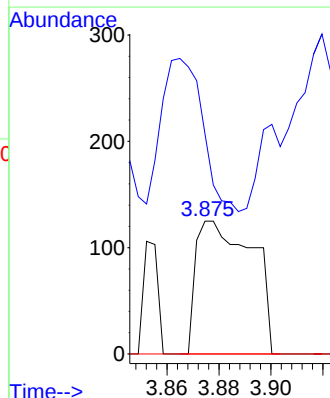
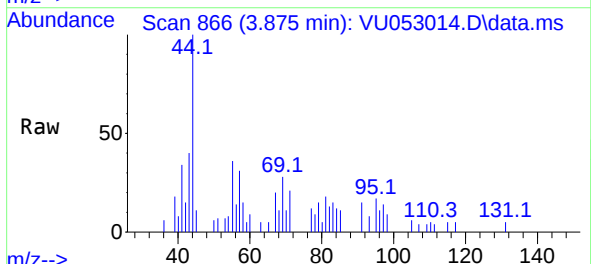
Instrument :
MSVOA_U
ClientSampleId :
VU0209WBL01

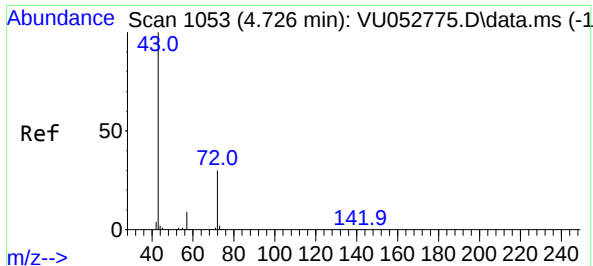
Tgt Ion: 96 Resp: 97
Ion Ratio Lower Upper
96 100
61 98.3 105.7 158.5#
98 64.2 51.4 77.2



#17
1,1-Dichloroethane
Concen: 0.012 ug/l
RT: 3.875 min Scan# 866
Delta R.T. 0.007 min
Lab File: VU053014.D
Acq: 09 Feb 2023 11:25

Tgt Ion: 63 Resp: 188
Ion Ratio Lower Upper
63 100
98 9.6 3.8 11.2
100 0.0 2.2 6.6#

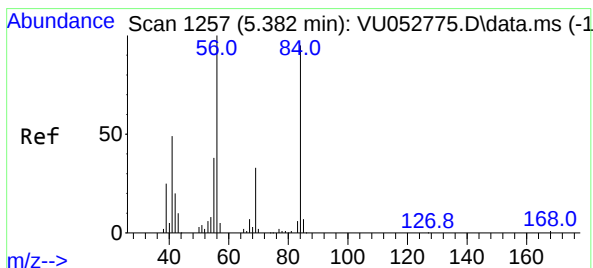
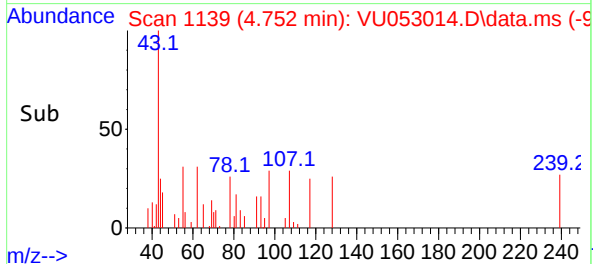
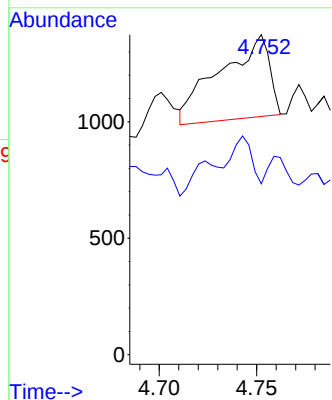
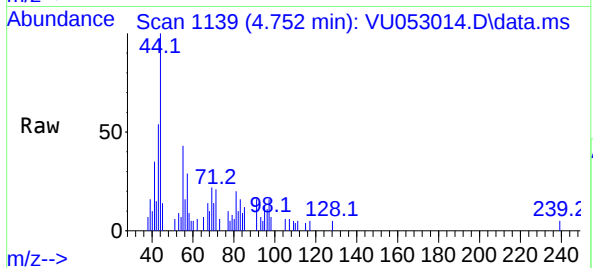




#18
2-Butanone
Concen: 0.224 ug/l
RT: 4.752 min Scan# 1139
Delta R.T. 0.026 min
Lab File: VU053014.D
Acq: 09 Feb 2023 11:25

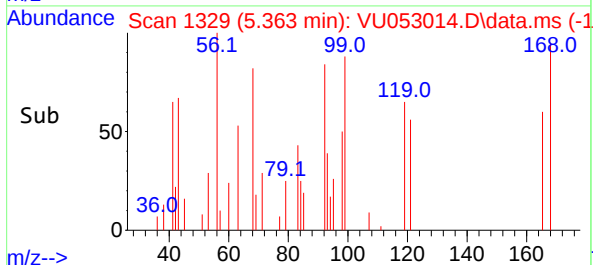
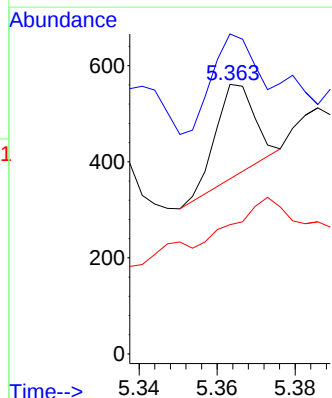
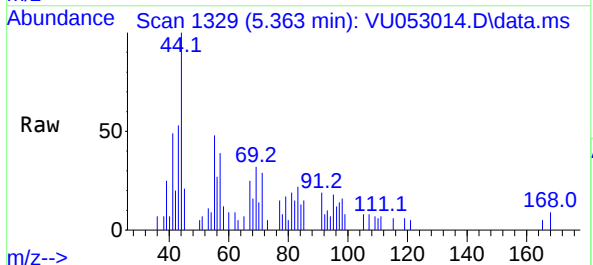
Instrument :
MSVOA_U
ClientSampleId :
VU0209WBL01

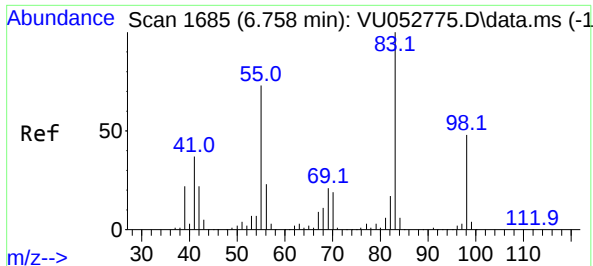
Tgt Ion: 43 Resp: 628
Ion Ratio Lower Upper
43 100
57 15.5 0.0 17.4



#19
Cyclohexane
Concen: 0.011 ug/l
RT: 5.363 min Scan# 1329
Delta R.T. -0.019 min
Lab File: VU053014.D
Acq: 09 Feb 2023 11:25

Tgt Ion: 56 Resp: 142
Ion Ratio Lower Upper
56 100
69 125.4 26.8 40.2#
84 154.9 77.0 115.6#

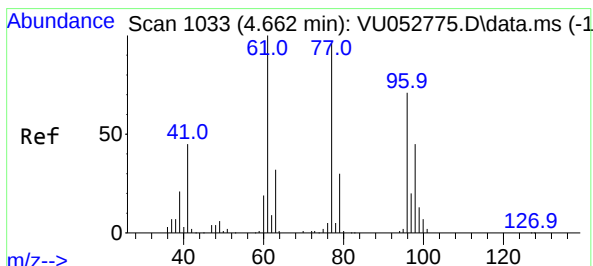
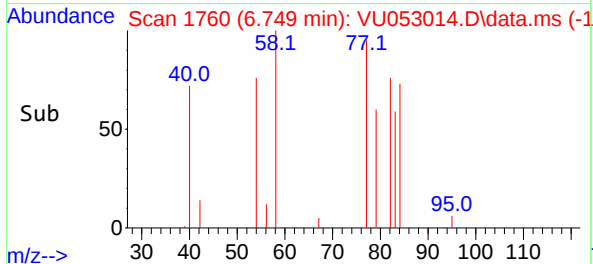
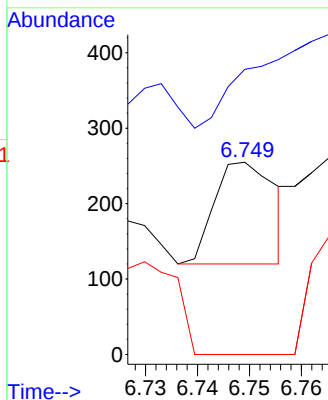
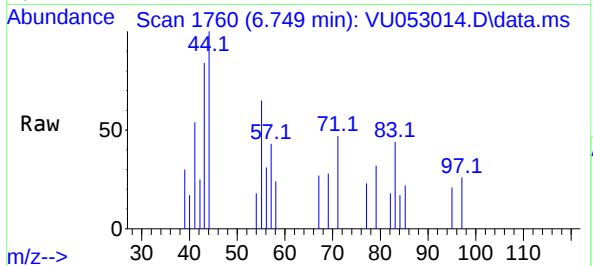




#20
Methylcyclohexane
Concen: 0.007 ug/l
RT: 6.749 min Scan# 1109
Delta R.T. -0.009 min
Lab File: VU053014.D
Acq: 09 Feb 2023 11:25

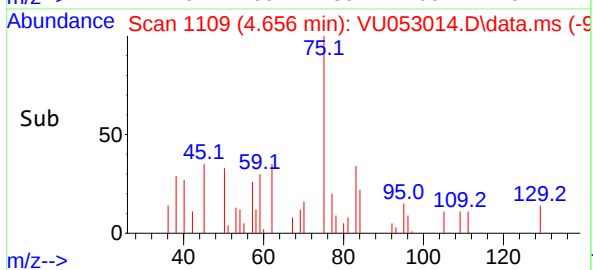
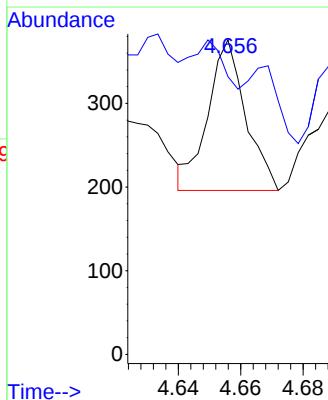
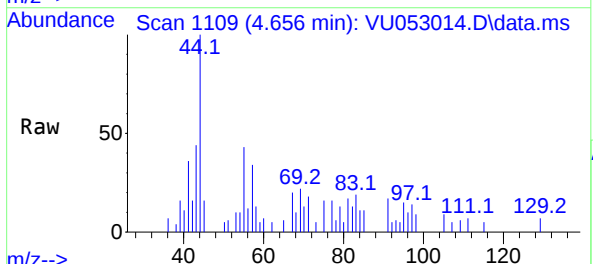
Instrument :
MSVOA_U
ClientSampleId :
VU0209WBL01

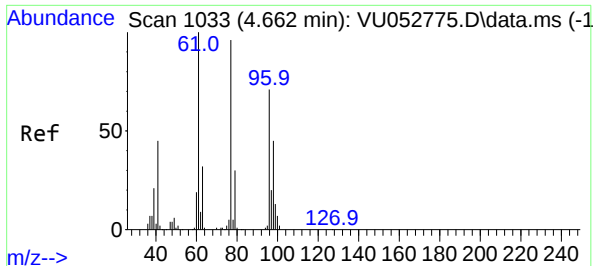
Tgt Ion: 83 Resp: 109
Ion Ratio Lower Upper
83 100
55 200.0 58.7 88.1#
98 180.7 39.4 59.2#



#21
2,2-Dichloropropane
Concen: 0.011 ug/l
RT: 4.656 min Scan# 1109
Delta R.T. -0.006 min
Lab File: VU053014.D
Acq: 09 Feb 2023 11:25

Tgt Ion: 77 Resp: 151
Ion Ratio Lower Upper
77 100
97 0.0 16.8 25.2#



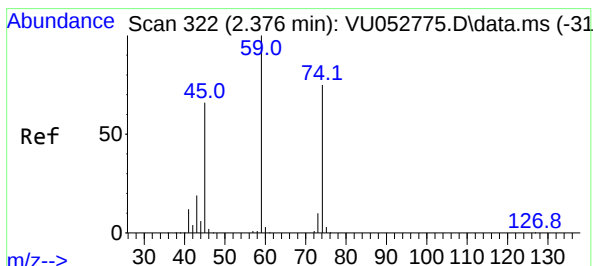
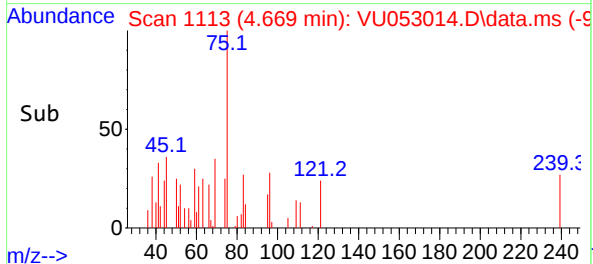
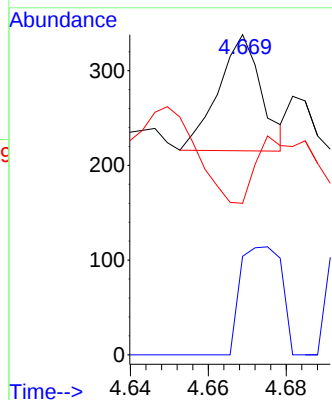
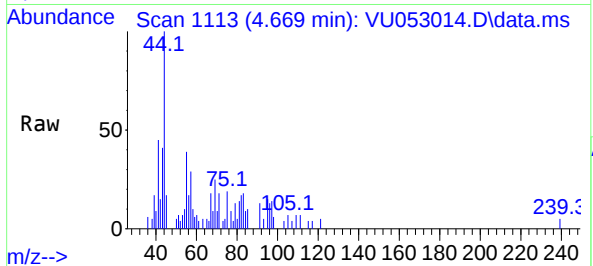


#22
cis-1,2-Dichloroethene
Concen: 0.010 ug/l
RT: 4.669 min Scan# 1113
Delta R.T. 0.007 min
Lab File: VU053014.D
Acq: 09 Feb 2023 11:25

Instrument :
MSVOA_U
ClientSampleId :
VU0209WBL01

Tgt Ion: 96 Resp: 94

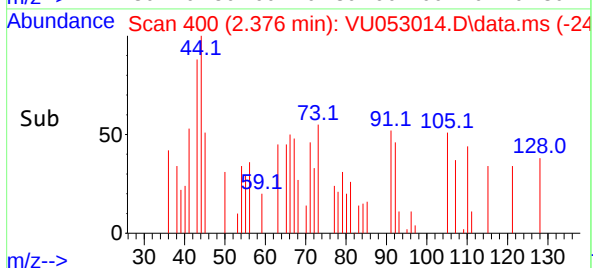
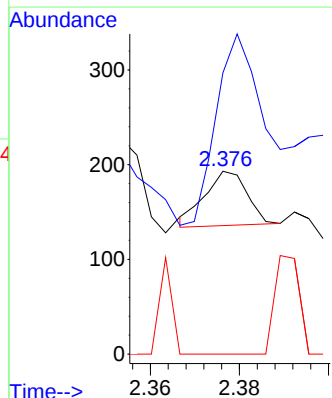
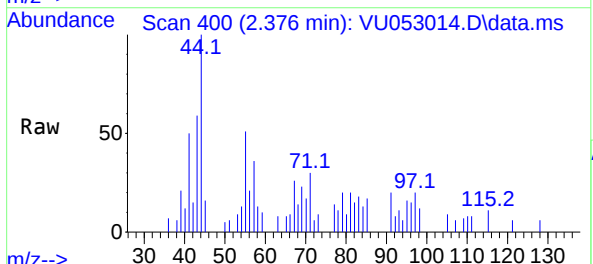
Ion	Ratio	Lower	Upper
96	100		
61	89.4	0.0	353.3
98	74.5	32.6	97.7

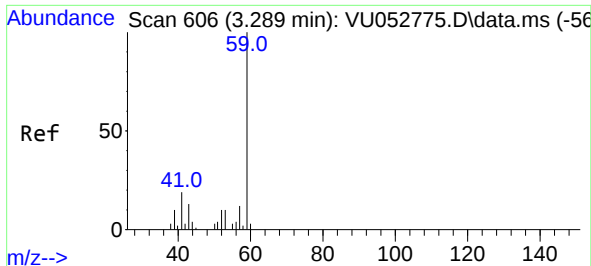


#23
Diethyl Ether
Concen: 0.007 ug/l
RT: 2.376 min Scan# 400
Delta R.T. 0.001 min
Lab File: VU053014.D
Acq: 09 Feb 2023 11:25

Tgt Ion: 59 Resp: 38

Ion	Ratio	Lower	Upper
59	100		
45	397.4	52.1	78.1#
74	105.3	61.6	92.4#

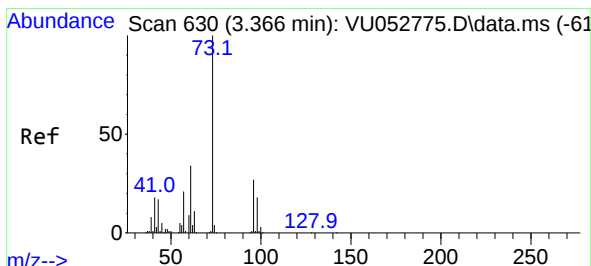
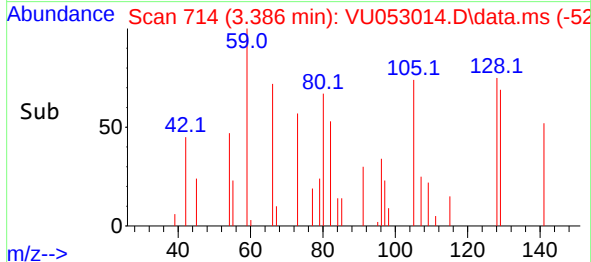
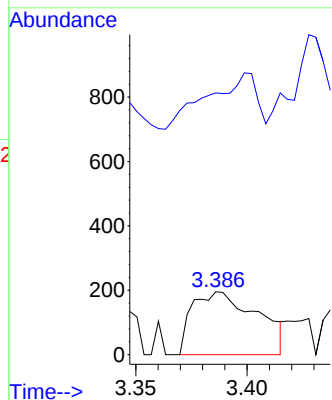
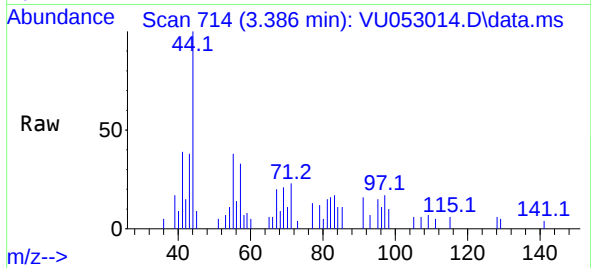




#24
tert-Butyl Alcohol
Concen: 0.582 ug/l
RT: 3.386 min Scan# 714
Delta R.T. 0.097 min
Lab File: VU053014.D
Acq: 09 Feb 2023 11:25

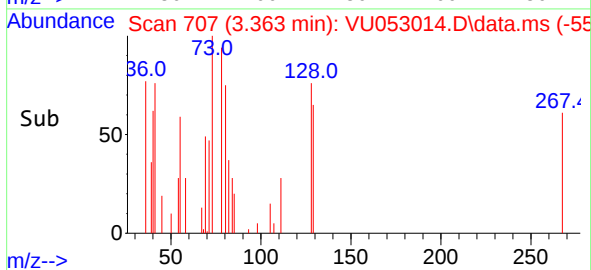
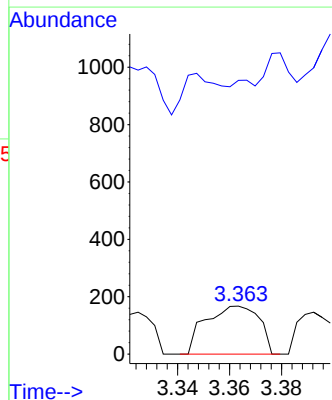
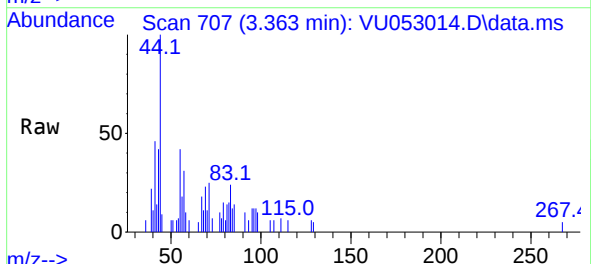
Instrument :
MSVOA_U
ClientSampleId :
VU0209WBL01

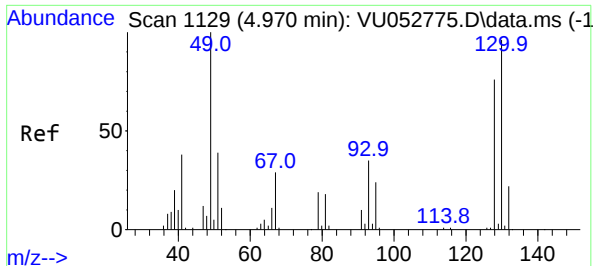
Tgt Ion: 59 Resp: 398
Ion Ratio Lower Upper
59 100
57 66.6 45.8 68.8



#25
Methyl tert-Butyl Ether
Concen: 0.013 ug/l
RT: 3.363 min Scan# 707
Delta R.T. -0.002 min
Lab File: VU053014.D
Acq: 09 Feb 2023 11:25

Tgt Ion: 73 Resp: 239
Ion Ratio Lower Upper
73 100
43 61.1 15.3 22.9#





#26

Bromochloromethane

Concen: 0.016 ug/l

RT: 4.965 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VU053014.D

Acq: 09 Feb 2023 11:25

Instrument :

MSVOA_U

ClientSampleId :

VU0209WBL01

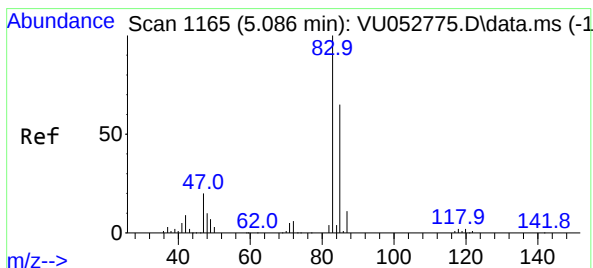
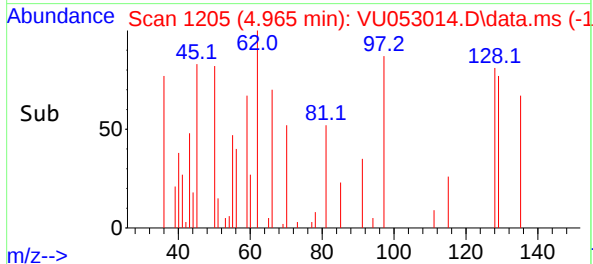
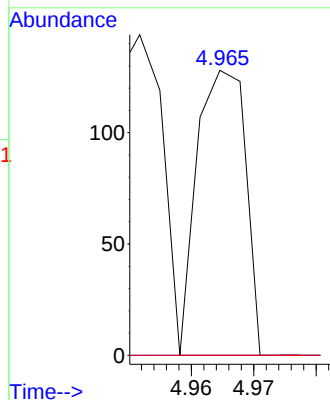
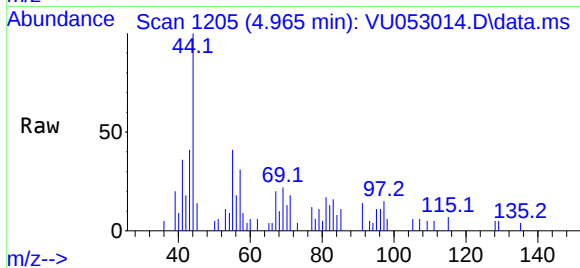
Tgt Ion:128 Resp: 69

Ion Ratio Lower Upper

128 100

49 0.0 0.0 265.0

130 0.0 100.7 151.1#



#27

Chloroform

Concen: 0.014 ug/l

RT: 5.093 min Scan# 1245

Delta R.T. 0.007 min

Lab File: VU053014.D

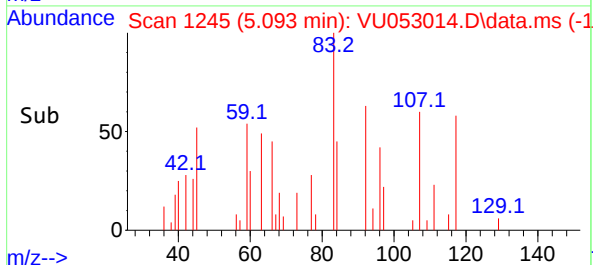
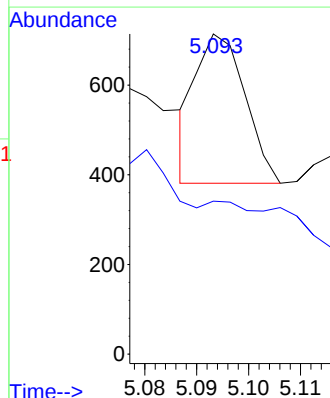
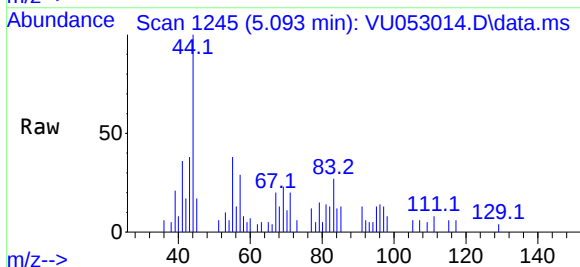
Acq: 09 Feb 2023 11:25

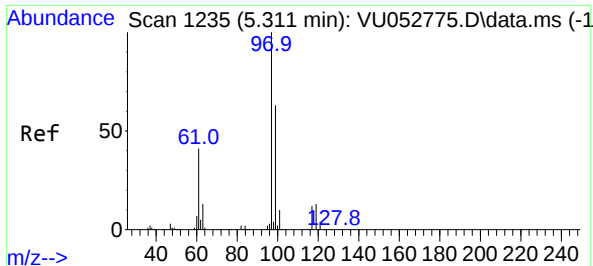
Tgt Ion: 83 Resp: 219

Ion Ratio Lower Upper

83 100

85 4.2 0.0 130.6

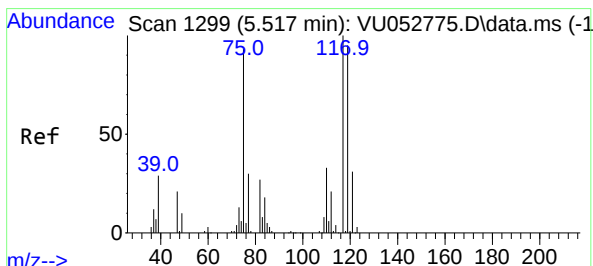
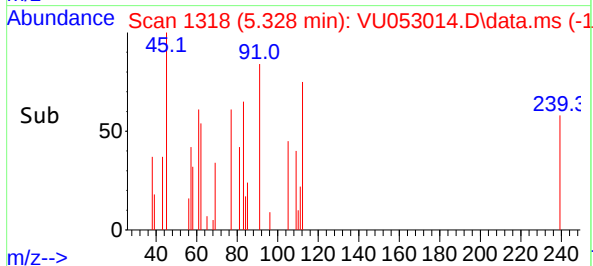
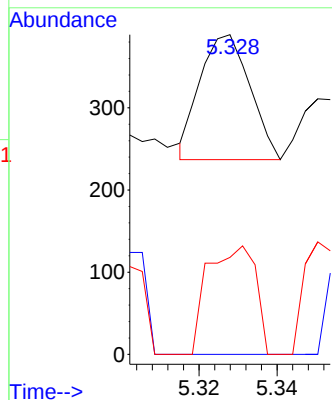
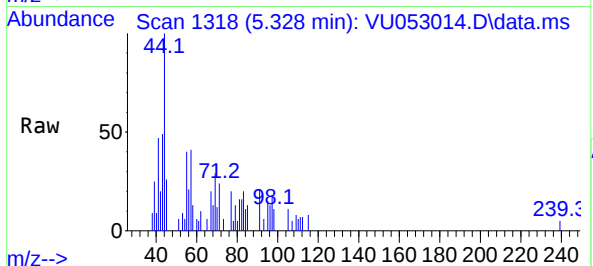




#28
1,1,1-Trichloroethane
Concen: 0.009 ug/l
RT: 5.328 min Scan# 11
Delta R.T. 0.017 min
Lab File: VU053014.D
Acq: 09 Feb 2023 11:25

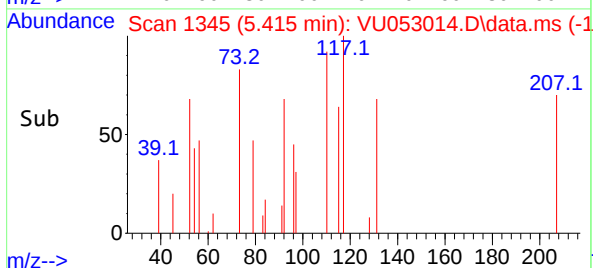
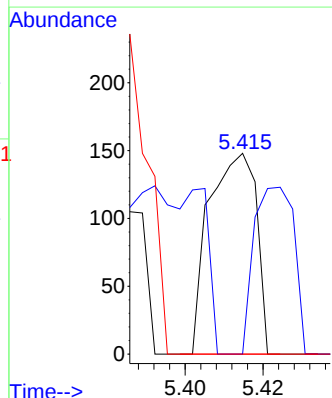
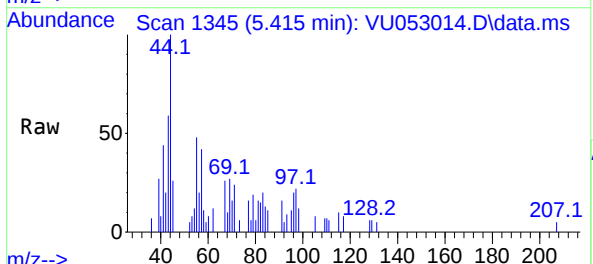
Instrument :
MSVOA_U
ClientSampleId :
VU0209WBL01

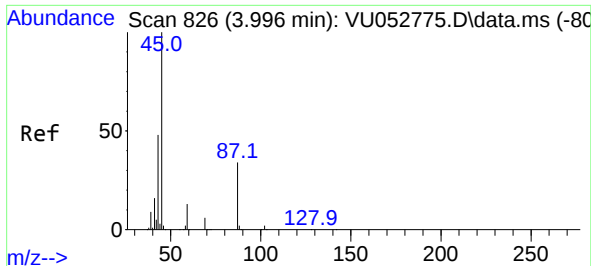
Tgt Ion: 97	Resp:	135
Ion	Ratio	Lower Upper
97	100	
99	0.0	31.9 95.5#
61	83.0	20.8 62.2#



#30
Carbon Tetrachloride
Concen: 0.009 ug/l
RT: 5.415 min Scan# 1345
Delta R.T. -0.102 min
Lab File: VU053014.D
Acq: 09 Feb 2023 11:25

Tgt Ion: 117	Resp:	125
Ion	Ratio	Lower Upper
117	100	
119	0.0	76.4 114.6#
121	0.0	25.0 37.6#

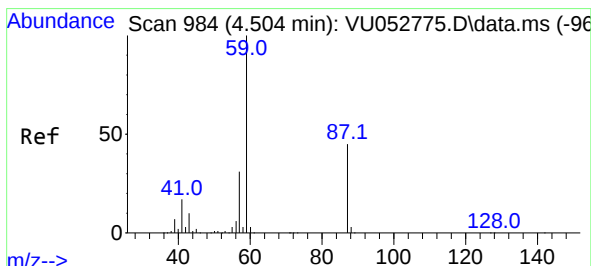
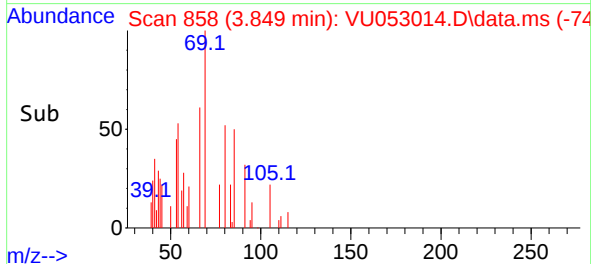
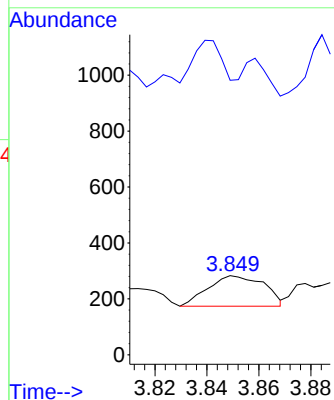
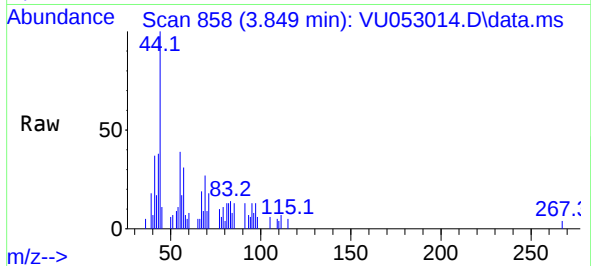




#31
Isopropyl Ether
Concen: 0.008 ug/l
RT: 3.849 min Scan# 81
Delta R.T. -0.147 min
Lab File: VU053014.D
Acq: 09 Feb 2023 11:25

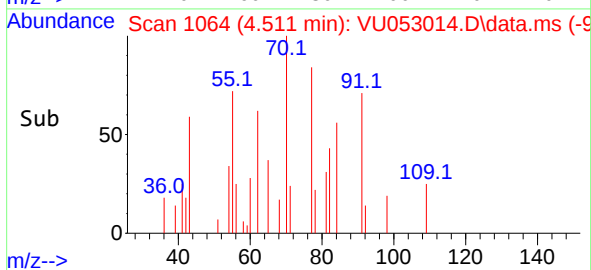
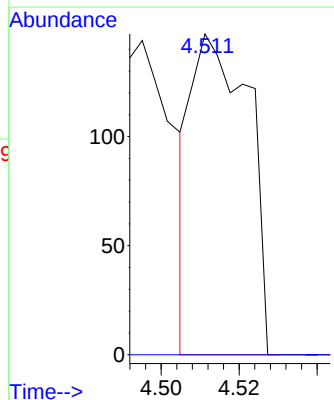
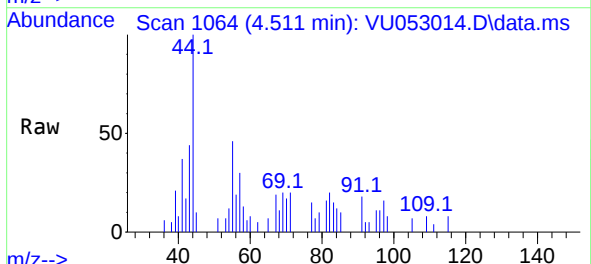
Instrument :
MSVOA_U
ClientSampleId :
VU0209WBL01

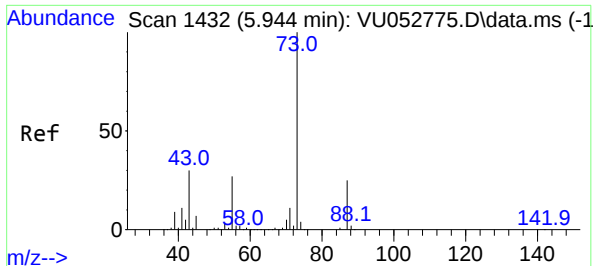
Tgt Ion: 45 Resp: 163
Ion Ratio Lower Upper
45 100
43 47.2 24.5 73.5



#32
Ethyl-t-butyl ether
Concen: 0.007 ug/l
RT: 4.511 min Scan# 1064
Delta R.T. 0.007 min
Lab File: VU053014.D
Acq: 09 Feb 2023 11:25

Tgt Ion: 59 Resp: 149
Ion Ratio Lower Upper
59 100
87 0.0 36.2 54.2#

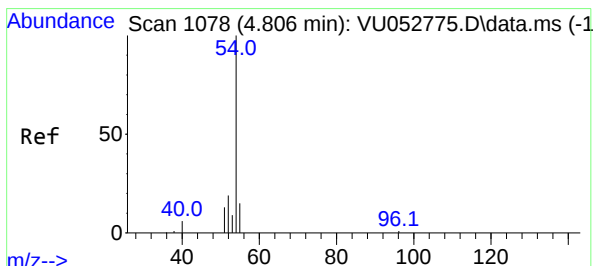
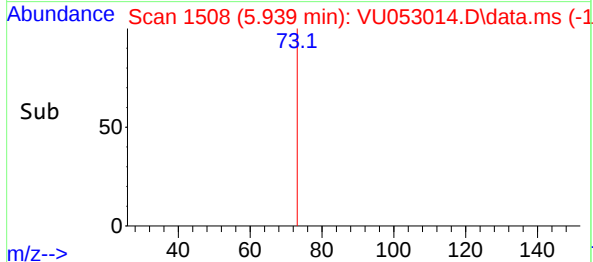
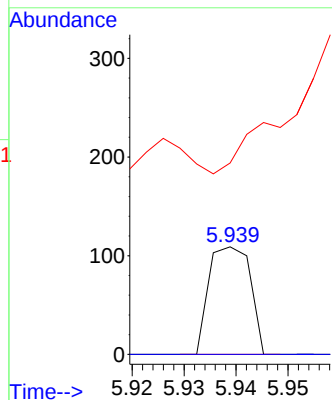
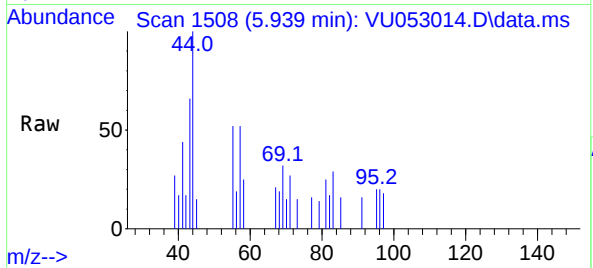




#33
Tert-Amyl methyl ether
Concen: 0.003 ug/l
RT: 5.939 min Scan# 1151
Delta R.T. -0.006 min
Lab File: VU053014.D
Acq: 09 Feb 2023 11:25

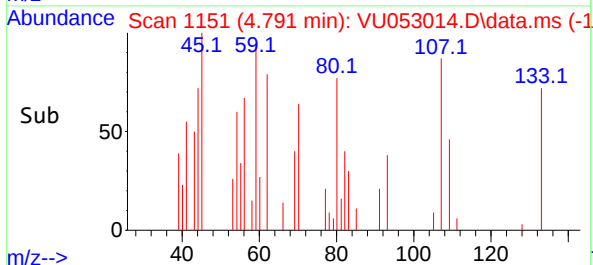
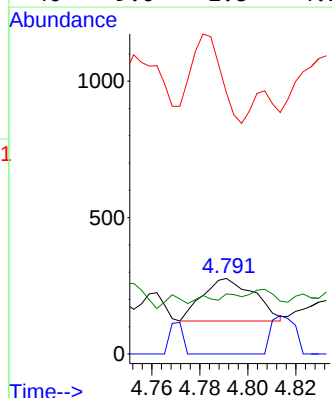
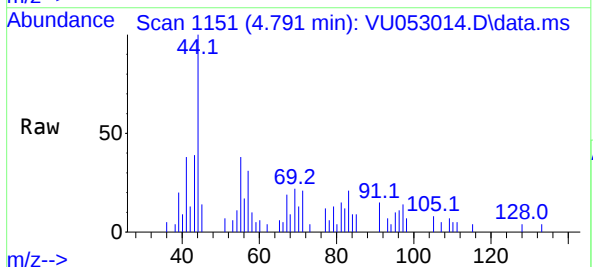
Instrument :
MSVOA_U
ClientSampleId :
VU0209WBL01

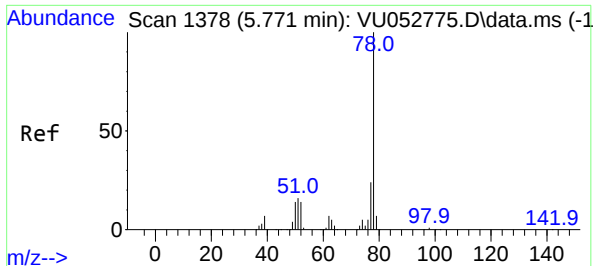
Tgt Ion: 73 Resp: 60
Ion Ratio Lower Upper
73 100
87 0.0 20.1 30.1#
71 26.7 9.2 13.8#



#34
Propionitrile
Concen: 0.362 ug/l
RT: 4.791 min Scan# 1151
Delta R.T. -0.015 min
Lab File: VU053014.D
Acq: 09 Feb 2023 11:25

Tgt Ion: 54 Resp: 233
Ion Ratio Lower Upper
54 100
52 0.0 16.9 25.3#
55 0.0 118.6 178.0#
40 9.0 2.8 4.2#

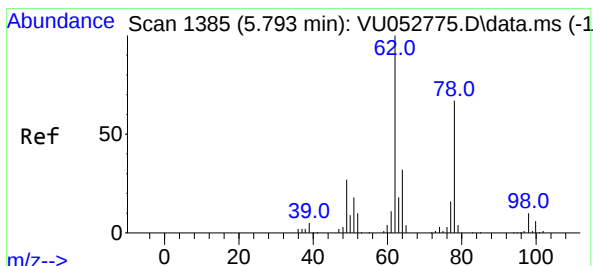
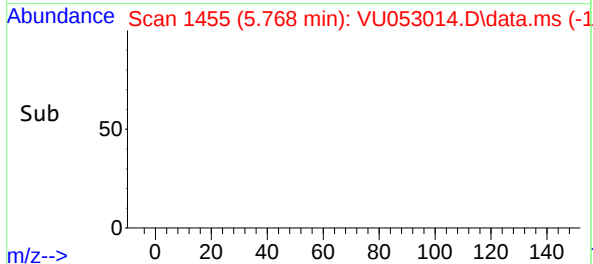
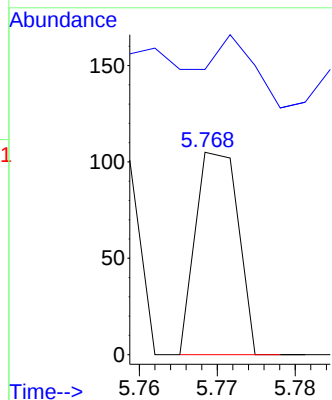
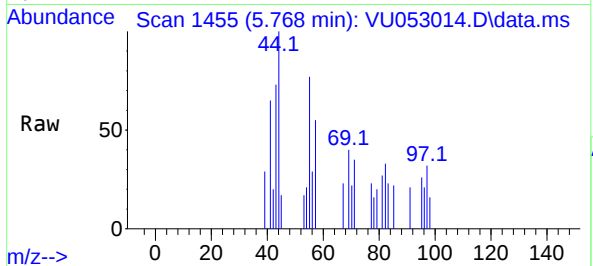




#35
Benzene
Concen: 0.001 ug/l
RT: 5.768 min Scan# 1455
Delta R.T. -0.002 min
Lab File: VU053014.D
Acq: 09 Feb 2023 11:25

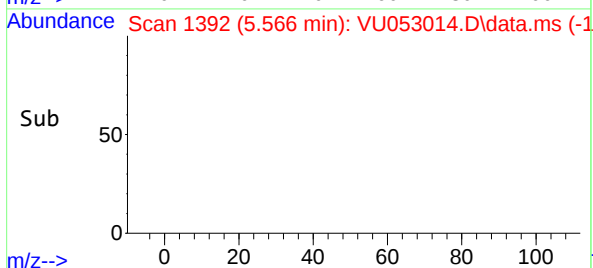
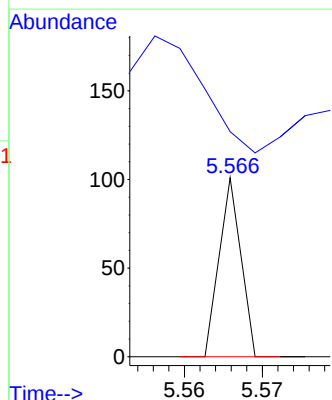
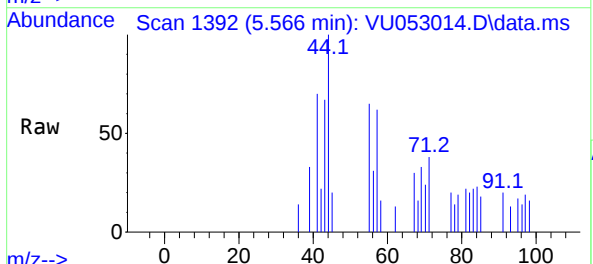
Instrument :
MSVOA_U
ClientSampleId :
VU0209WBL01

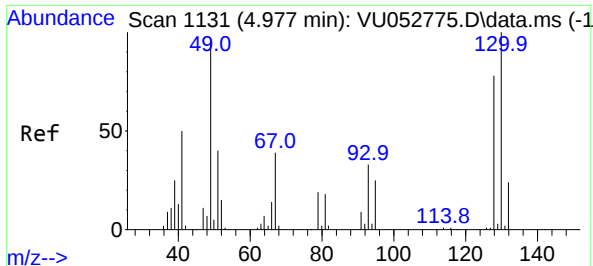
Tgt Ion: 78 Resp: 40
Ion Ratio Lower Upper
78 100
77 19.0 19.0 28.4



#36
1,2-Dichloroethane
Concen: 0.002 ug/l
RT: 5.566 min Scan# 1392
Delta R.T. -0.228 min
Lab File: VU053014.D
Acq: 09 Feb 2023 11:25

Tgt Ion: 62 Resp: 19
Ion Ratio Lower Upper
62 100
98 1515.8 7.5 11.3#





#39

Methacrylonitrile

Concen: 0.028 ug/l

RT: 4.971 min Scan# 1172

Delta R.T. -0.006 min

Lab File: VU053014.D

Acq: 09 Feb 2023 11:25

Instrument :

MSVOA_U

ClientSampleId :

VU0209WBL01

Tgt Ion: 41 Resp: 71

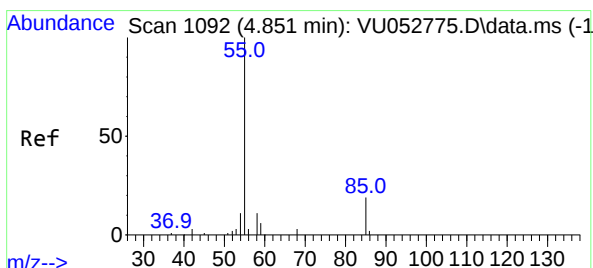
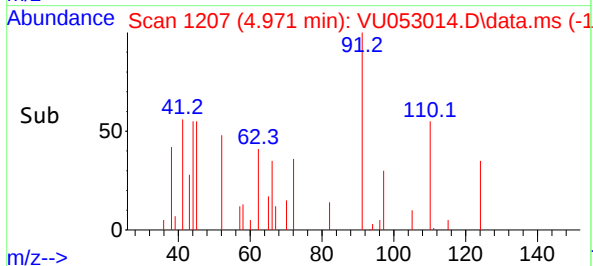
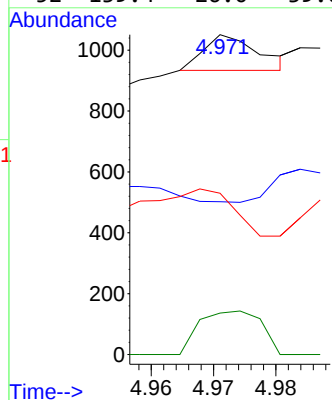
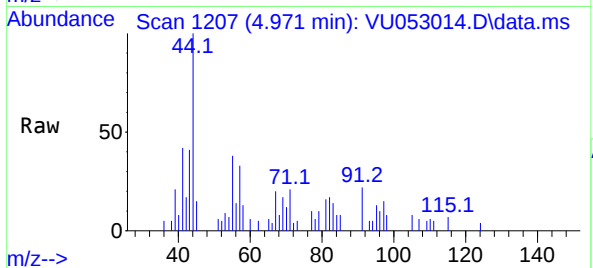
Ion Ratio Lower Upper

41 100

67 0.0 64.9 97.3#

39 221.1 41.7 62.5#

52 139.4 26.0 39.0#



#40

Methyl acrylate

Concen: 0.036 ug/l

RT: 4.858 min Scan# 1172

Delta R.T. 0.007 min

Lab File: VU053014.D

Acq: 09 Feb 2023 11:25

Tgt Ion: 55 Resp: 164

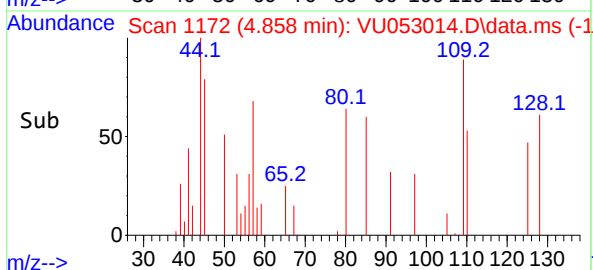
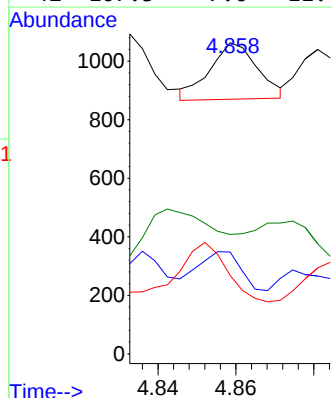
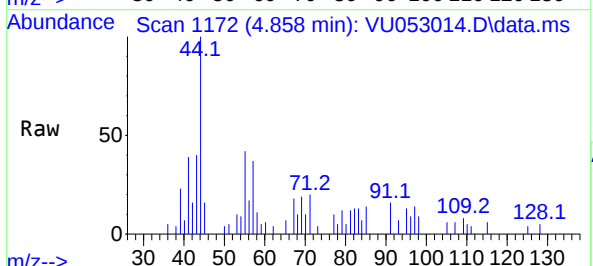
Ion Ratio Lower Upper

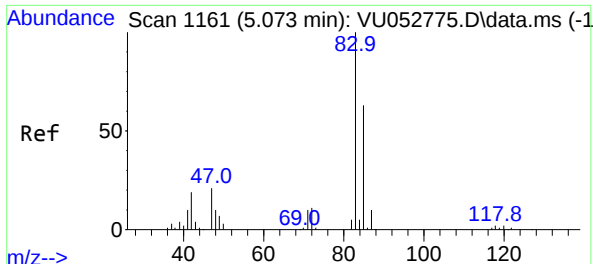
55 100

85 59.8 14.4 21.6#

58 104.3 7.3 10.9#

42 107.3 7.6 11.4#





#41

Tetrahydrofuran

Concen: 0.078 ug/l

RT: 5.077 min Scan# 1161

Delta R.T. 0.004 min

Lab File: VU053014.D

Acq: 09 Feb 2023 11:25

Instrument :

MSVOA_U

ClientSampleId :

VU0209WBL01

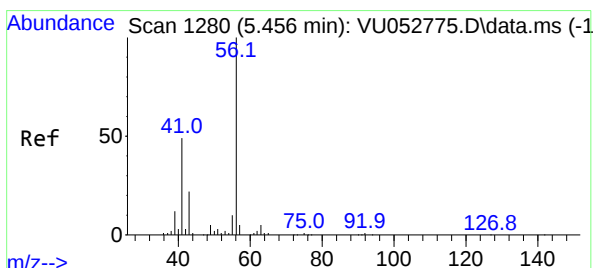
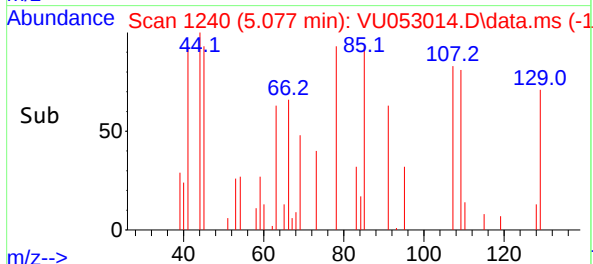
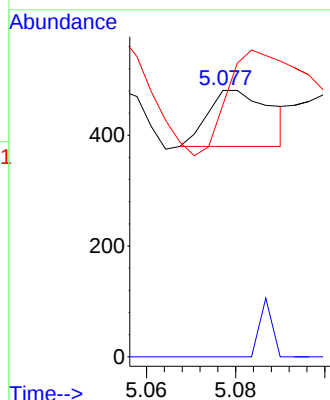
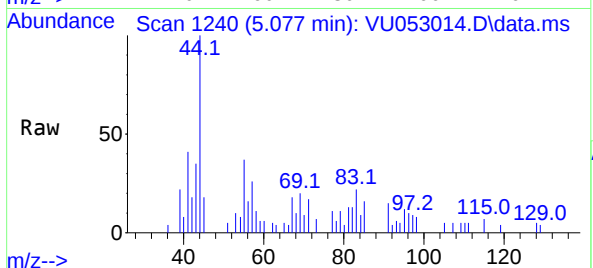
Tgt Ion: 42 Resp: 99

Ion Ratio Lower Upper

42 100

72 20.2 49.1 73.7#

71 260.6 43.8 65.6#



#42

1-Chlorobutane

Concen: 0.005 ug/l

RT: 5.463 min Scan# 1360

Delta R.T. 0.007 min

Lab File: VU053014.D

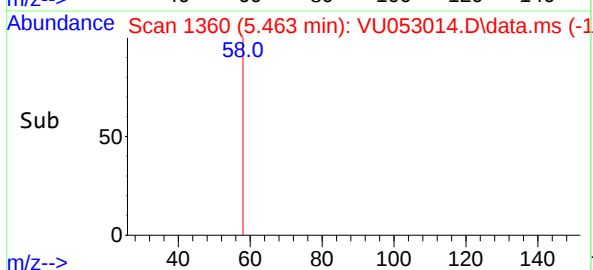
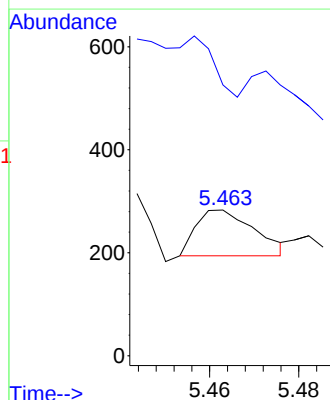
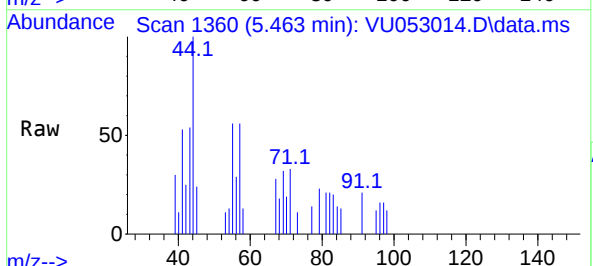
Acq: 09 Feb 2023 11:25

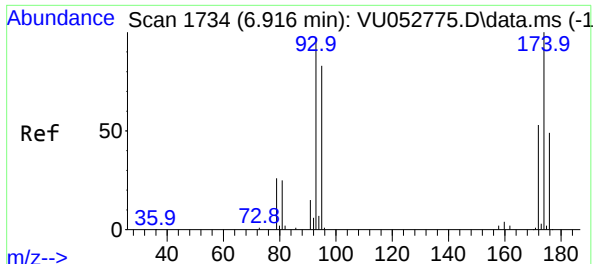
Tgt Ion: 56 Resp: 81

Ion Ratio Lower Upper

56 100

41 0.0 24.5 73.5#

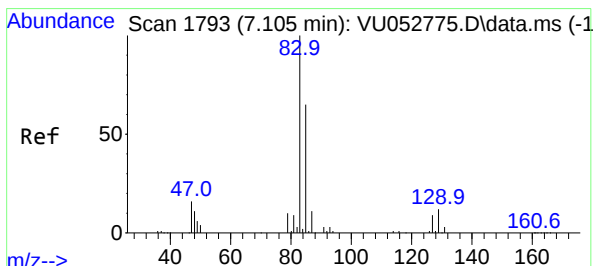
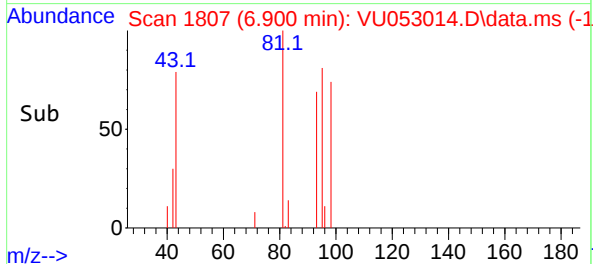
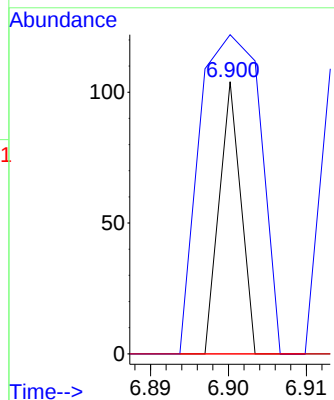
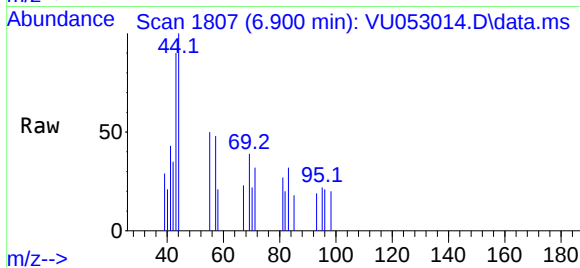




#43
Dibromomethane
Concen: 0.004 ug/l
RT: 6.900 min Scan# 1807
Delta R.T. -0.015 min
Lab File: VU053014.D
Acq: 09 Feb 2023 11:25

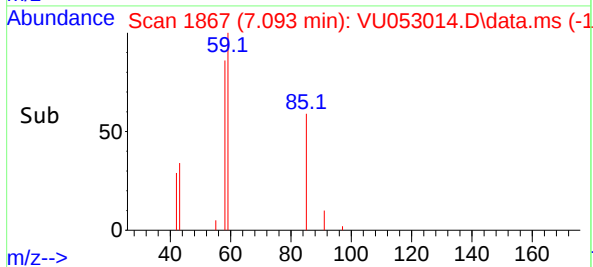
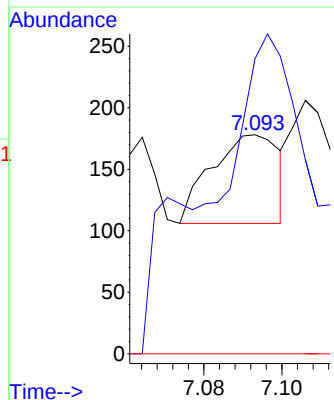
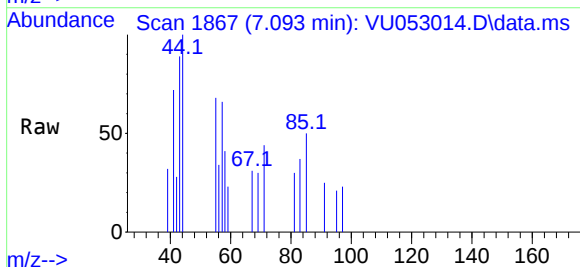
Instrument :
MSVOA_U
ClientSampleId :
VU0209WBL01

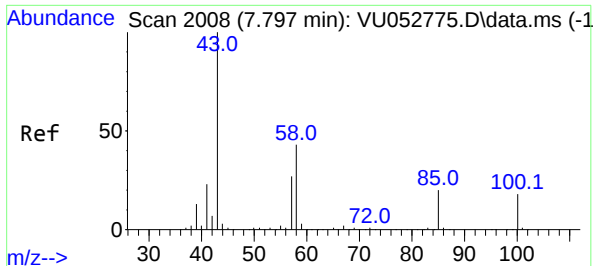
Tgt Ion: 93 Resp: 20
Ion Ratio Lower Upper
93 100
95 330.0 67.0 100.6#
174 0.0 82.2 123.4#



#44
Bromodichloromethane
Concen: 0.007 ug/l
RT: 7.093 min Scan# 1867
Delta R.T. -0.012 min
Lab File: VU053014.D
Acq: 09 Feb 2023 11:25

Tgt Ion: 83 Resp: 87
Ion Ratio Lower Upper
83 100
85 163.9 52.1 78.1#
127 0.0 7.2 10.8#

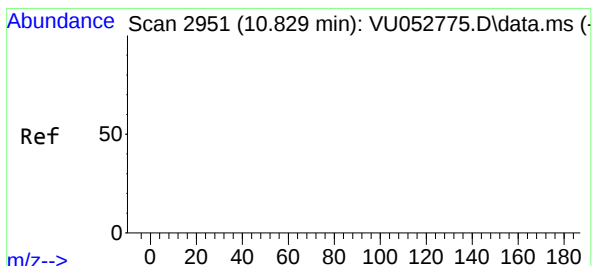
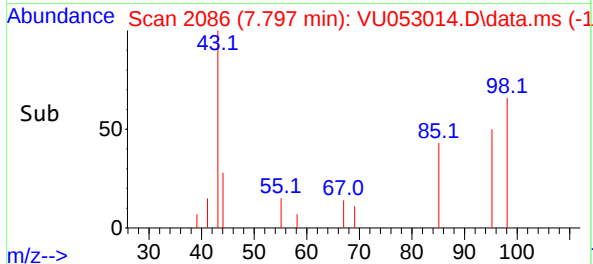
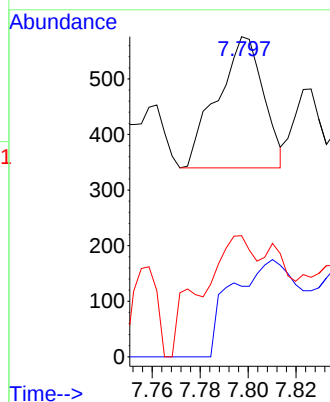
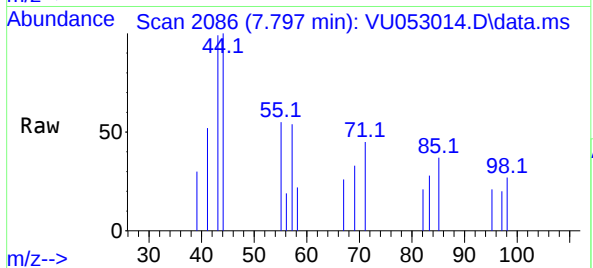




#45
4-Methyl-2-Pentanone
Concen: 0.064 ug/l
RT: 7.797 min Scan# 2008
Delta R.T. 0.001 min
Lab File: VU053014.D
Acq: 09 Feb 2023 11:25

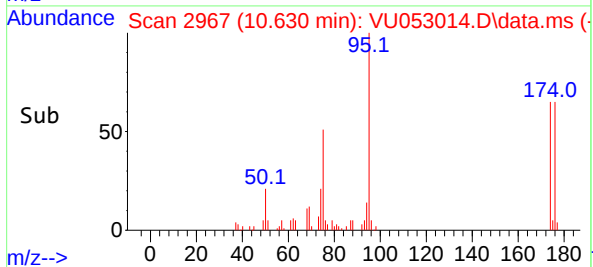
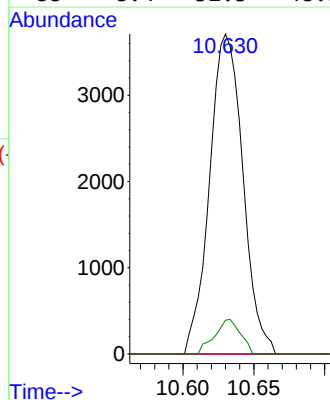
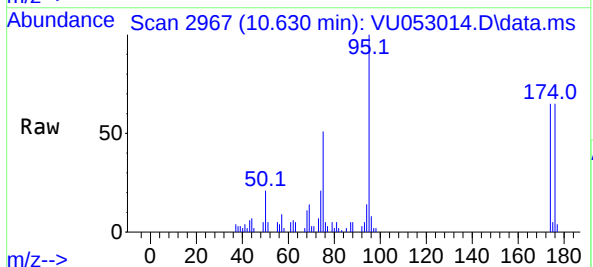
Instrument :
MSVOA_U
ClientSampleId :
VU0209WBL01

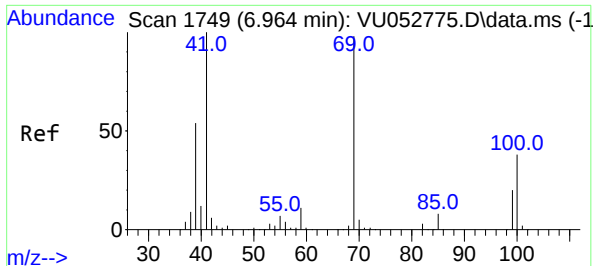
Tgt Ion: 43 Resp: 314
Ion Ratio Lower Upper
43 100
58 103.2 21.7 65.1#
85 33.1 16.2 24.4#



#46
t-1,4-Dichloro-2-butene
Concen: 2.347 ug/l
RT: 10.630 min Scan# 2967
Delta R.T. -0.199 min
Lab File: VU053014.D
Acq: 09 Feb 2023 11:25

Tgt Ion: 75 Resp: 6070
Ion Ratio Lower Upper
75 100
53 0.7 57.0 85.4#
89 0.0 41.1 61.7#
88 8.4 32.3 48.5#



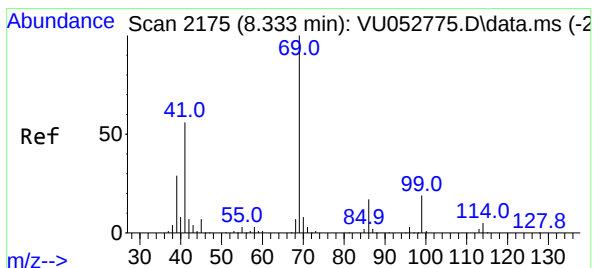
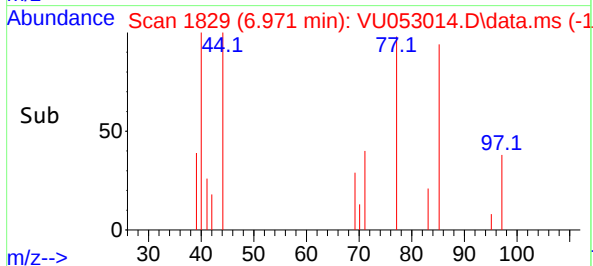
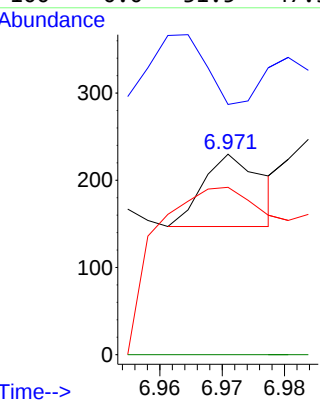
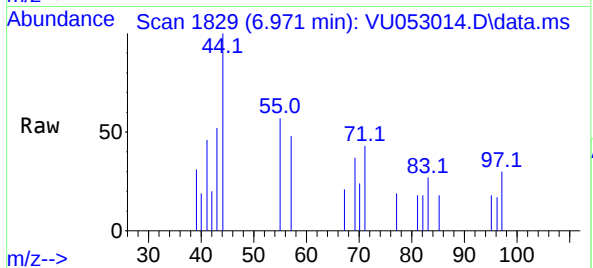


#47
Methyl methacrylate
Concen: 0.013 ug/l
RT: 6.971 min Scan# 11
Delta R.T. 0.007 min
Lab File: VU053014.D
Acq: 09 Feb 2023 11:25

Instrument :
MSVOA_U
ClientSampleId :
VU0209WBL01

Tgt Ion: 69 Resp: 55

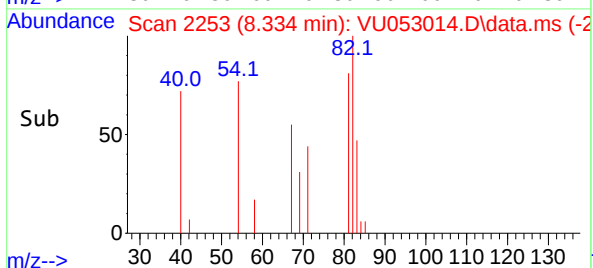
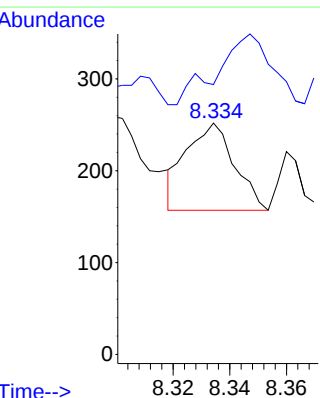
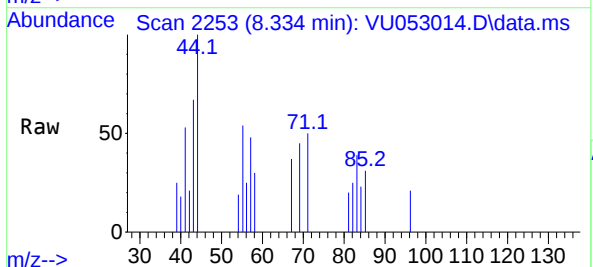
Ion	Ratio	Lower	Upper
69	100		
41	89.1	0.0	201.8
39	472.7	44.0	66.0#
100	0.0	31.5	47.3#

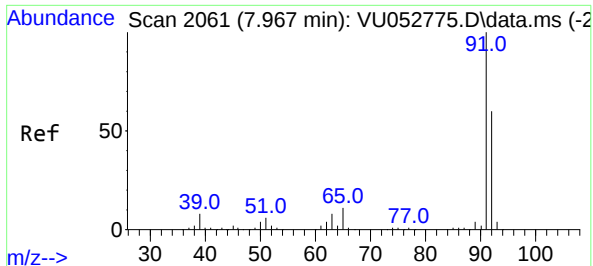


#48
Ethyl methacrylate
Concen: 0.015 ug/l
RT: 8.334 min Scan# 2253
Delta R.T. 0.001 min
Lab File: VU053014.D
Acq: 09 Feb 2023 11:25

Tgt Ion: 69 Resp: 112

Ion	Ratio	Lower	Upper
69	100		
41	32.1	28.1	84.4





#49

Toluene

Concen: 0.005 ug/l

RT: 7.964 min Scan# 2138

Delta R.T. -0.002 min

Lab File: VU053014.D

Acq: 09 Feb 2023 11:25

Instrument :

MSVOA_U

ClientSampleId :

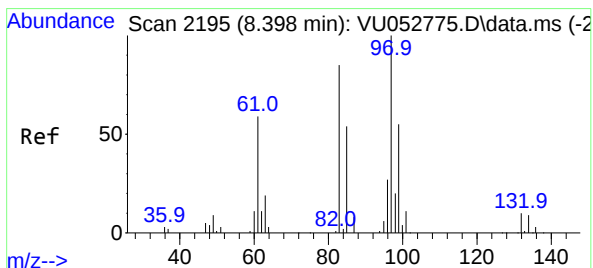
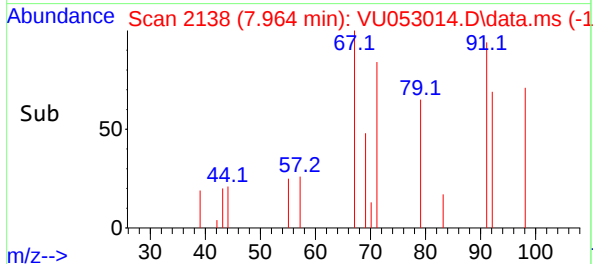
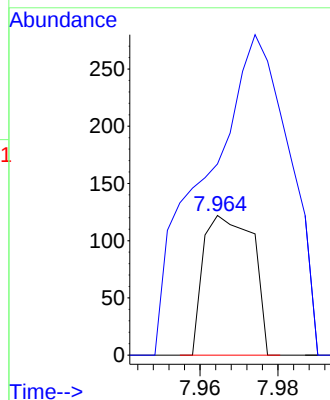
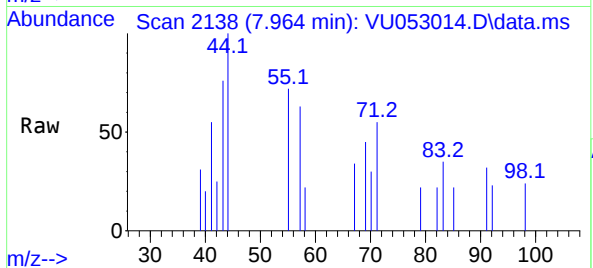
VU0209WBL01

Tgt Ion: 92 Resp: 108

Ion Ratio Lower Upper

92 100

91 390.7 133.8 200.8#



#52

1,1,2-Trichloroethane

Concen: 0.045 ug/l

RT: 8.399 min Scan# 2273

Delta R.T. 0.001 min

Lab File: VU053014.D

Acq: 09 Feb 2023 11:25

Tgt Ion: 97 Resp: 302

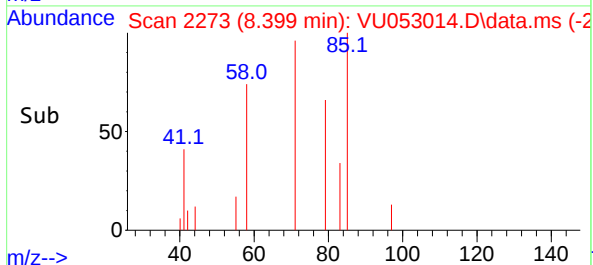
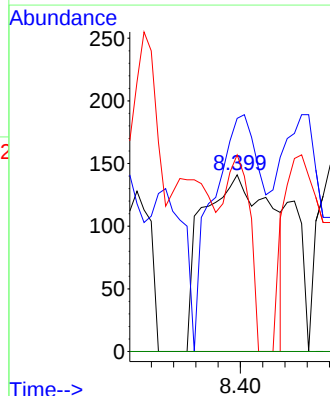
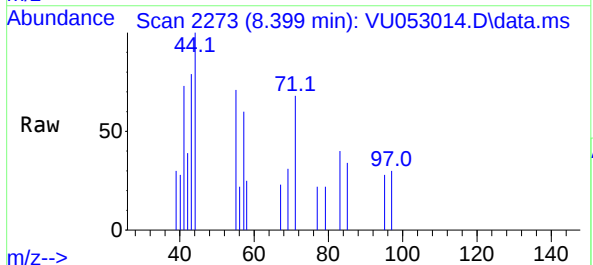
Ion Ratio Lower Upper

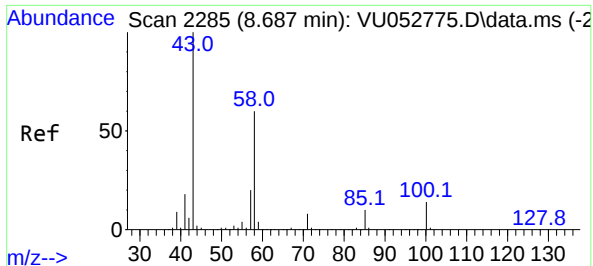
97 100

83 57.4 68.2 102.2#

85 36.2 44.5 66.7#

99 0.0 51.0 76.4#

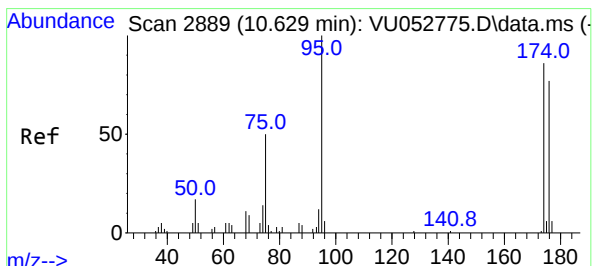
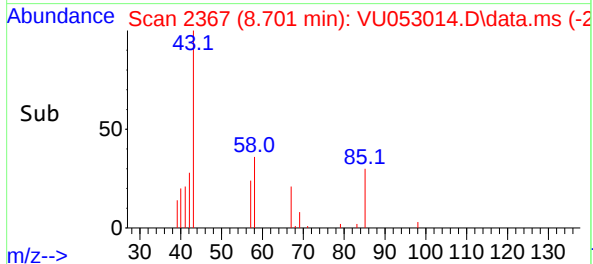
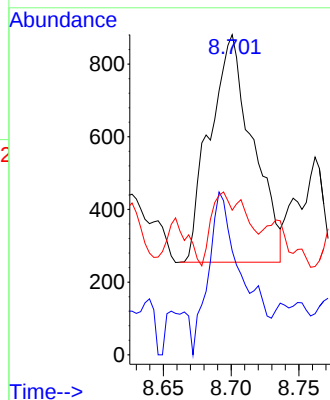
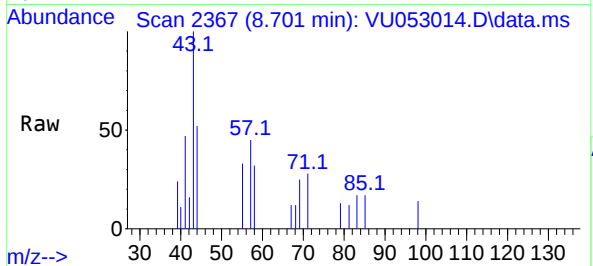




#54
2-Hexanone
Concen: 0.319 ug/l
RT: 8.701 min Scan# 21
Delta R.T. 0.014 min
Lab File: VU053014.D
Acq: 09 Feb 2023 11:25

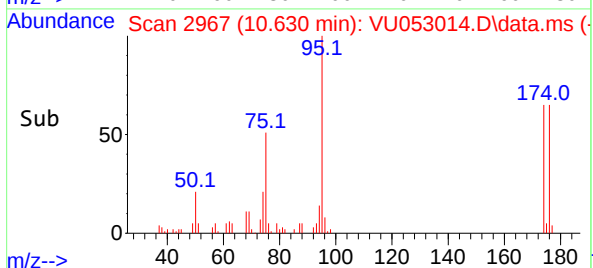
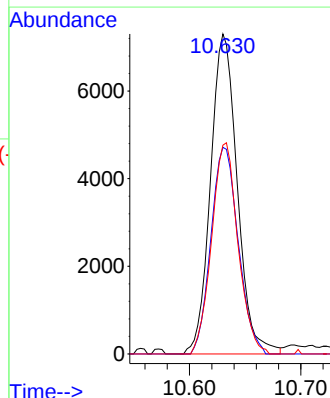
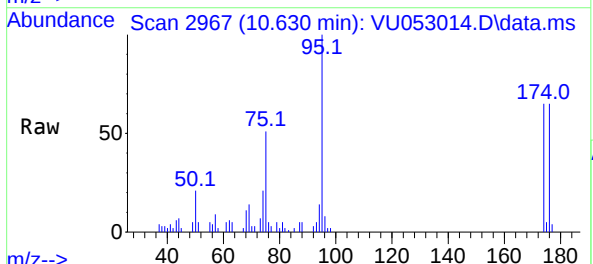
Instrument :
MSVOA_U
ClientSampleId :
VU0209WBL01

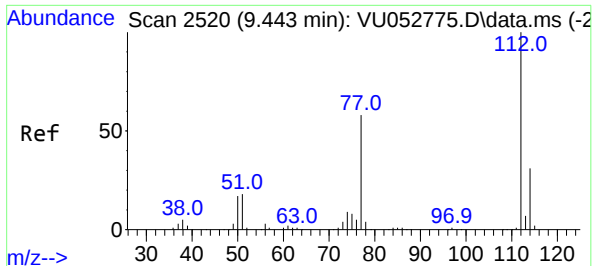
Tgt Ion:	43	Resp:	1378
Ion	Ratio	Lower	Upper
43	100		
58	57.6	40.0	80.0
57	15.1	0.6	40.6



#57
4-Bromofluorobenzene
Concen: 1.064 ug/l
RT: 10.630 min Scan# 2967
Delta R.T. 0.001 min
Lab File: VU053014.D
Acq: 09 Feb 2023 11:25

Tgt Ion:	95	Resp:	12188
Ion	Ratio	Lower	Upper
95	100		
174	66.0	66.9	100.3#
176	65.0	61.9	92.9

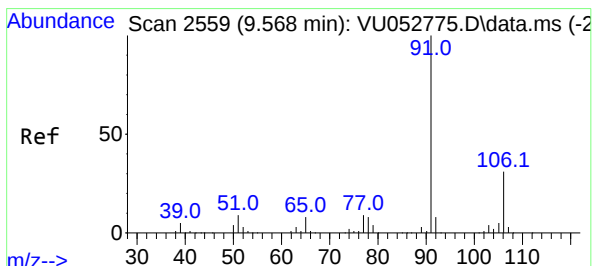
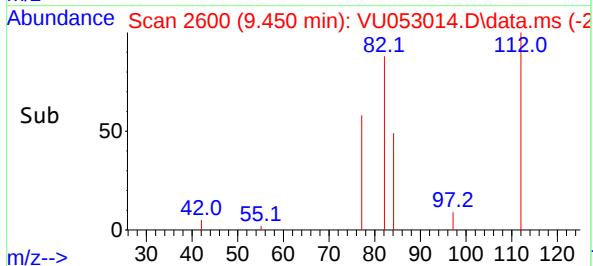
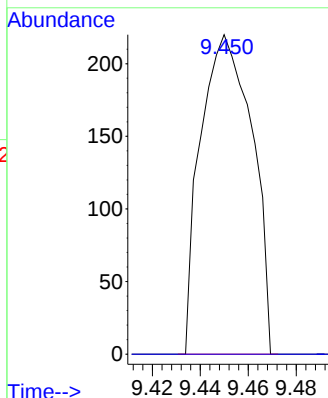
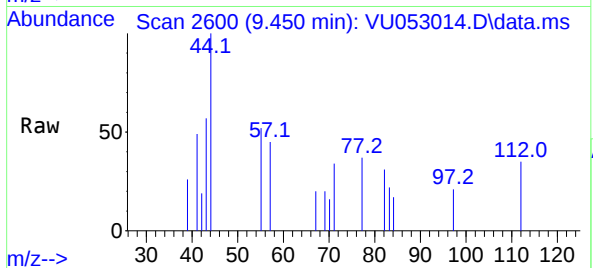




#59
Chlorobenzene
Concen: 0.014 ug/l
RT: 9.450 min Scan# 2600
Delta R.T. 0.007 min
Lab File: VU053014.D
Acq: 09 Feb 2023 11:25

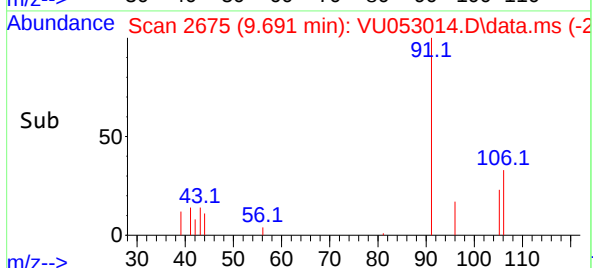
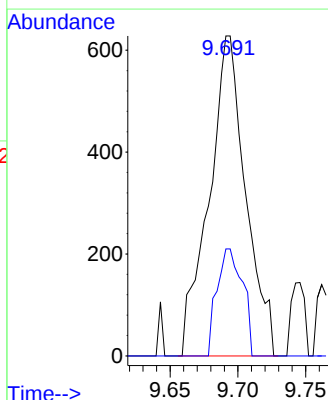
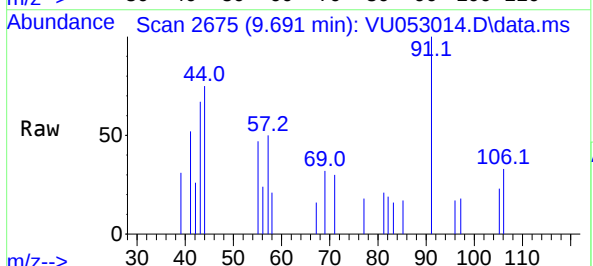
Instrument :
MSVOA_U
ClientSampleId :
VU0209WBL01

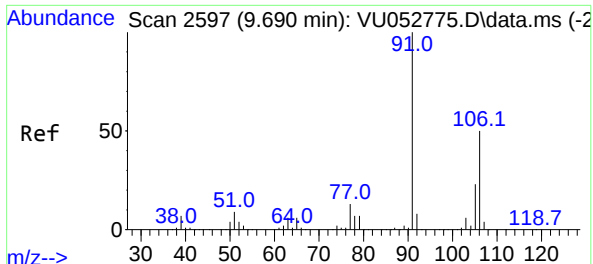
Tgt Ion:112 Resp: 327
Ion Ratio Lower Upper
112 100
114 0.0 25.2 37.8#



#63
Ethyl Benzene
Concen: 0.030 ug/l
RT: 9.691 min Scan# 2675
Delta R.T. 0.123 min
Lab File: VU053014.D
Acq: 09 Feb 2023 11:25

Tgt Ion: 91 Resp: 1180
Ion Ratio Lower Upper
91 100
106 33.4 25.1 37.7

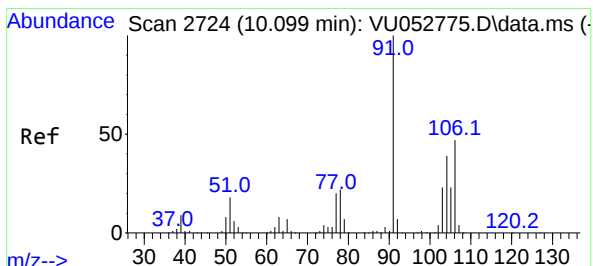
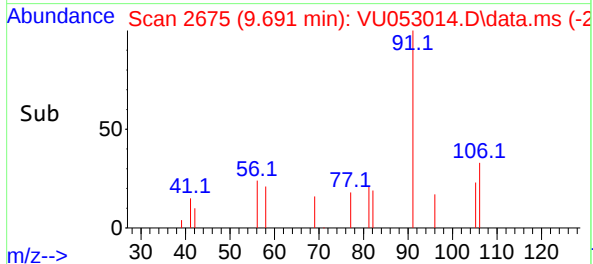
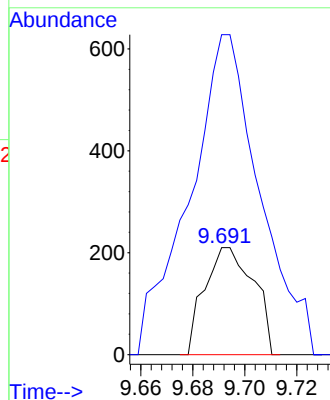
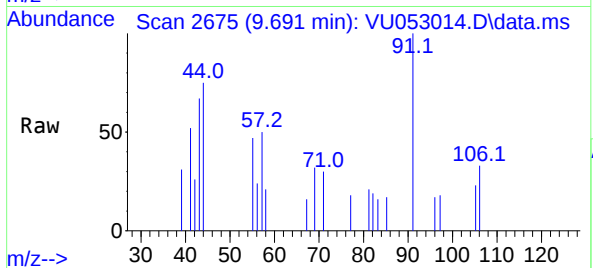




#64
m/p-Xylenes
Concen: 0.018 ug/l
RT: 9.691 min Scan# 201
Delta R.T. 0.001 min
Lab File: VU053014.D
Acq: 09 Feb 2023 11:25

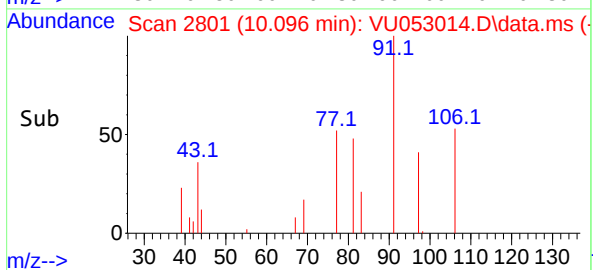
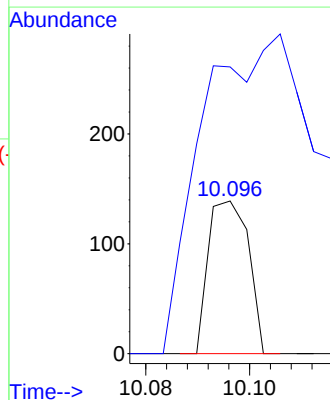
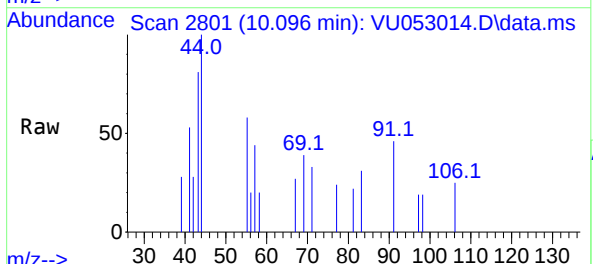
Instrument :
MSVOA_U
ClientSampleId :
VU0209WBL01

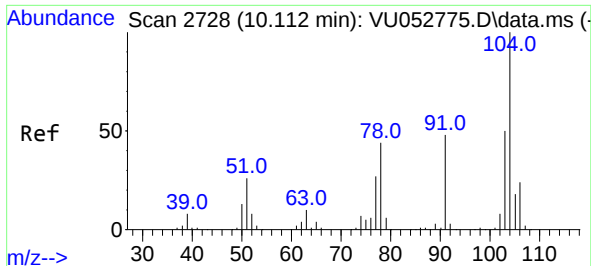
Tgt Ion:106 Resp: 275
Ion Ratio Lower Upper
106 100
91 429.1 158.7 238.1#



#65
o-Xylene
Concen: 0.005 ug/l
RT: 10.096 min Scan# 2801
Delta R.T. -0.003 min
Lab File: VU053014.D
Acq: 09 Feb 2023 11:25

Tgt Ion:106 Resp: 74
Ion Ratio Lower Upper
106 100
91 623.0 105.6 316.8#

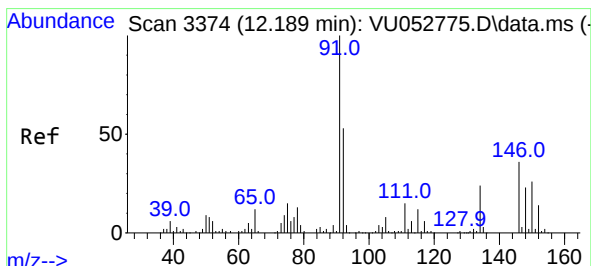
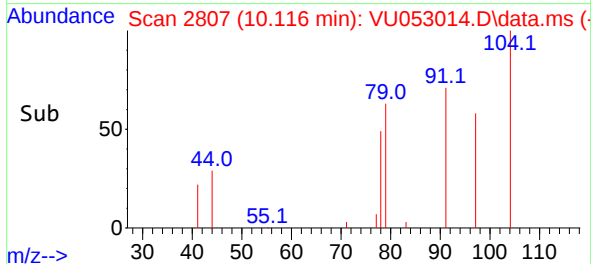
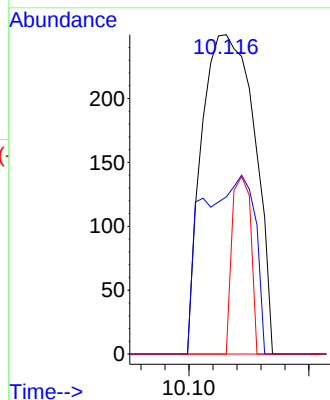
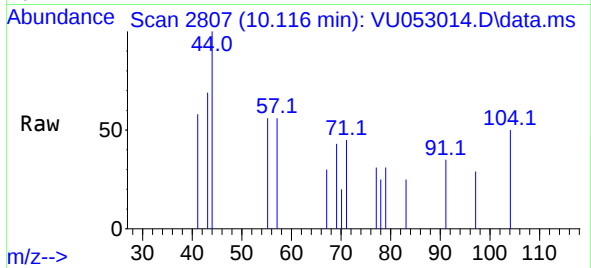




#66
Styrene
Concen: 0.433 ug/l
RT: 10.116 min Scan# 21
Delta R.T. 0.004 min
Lab File: VU053014.D
Acq: 09 Feb 2023 11:25

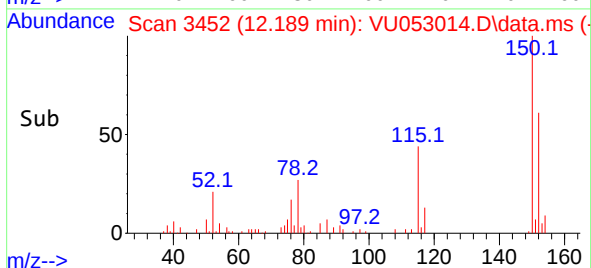
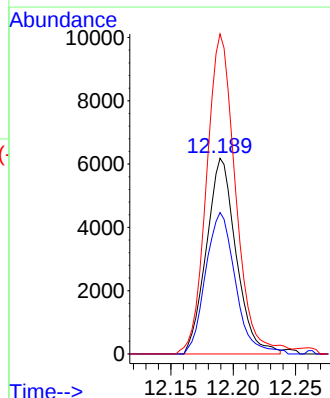
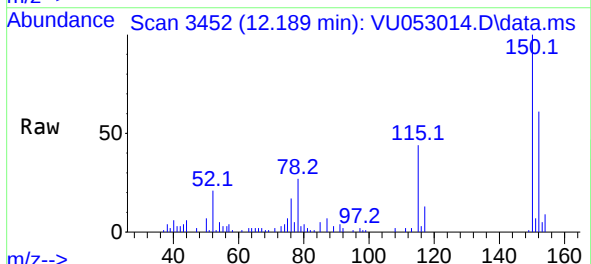
Instrument :
MSVOA_U
ClientSampleId :
VU0209WBL01

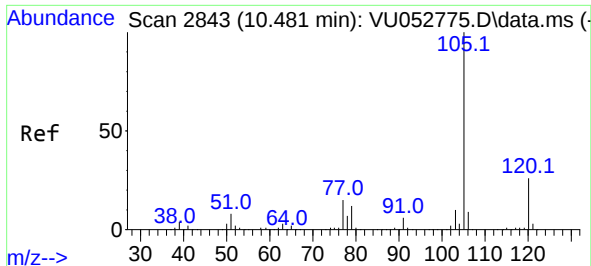
Tgt Ion:104 Resp: 380
Ion Ratio Lower Upper
104 100
78 18.2 39.6 59.4#
103 19.7 42.9 64.3#



#68
1,2-Dichlorobenzene-d4
Concen: 0.870 ug/l
RT: 12.189 min Scan# 3452
Delta R.T. 0.001 min
Lab File: VU053014.D
Acq: 09 Feb 2023 11:25

Tgt Ion:152 Resp: 10251
Ion Ratio Lower Upper
152 100
115 72.4 0.0 262.6
150 160.0 0.0 638.0

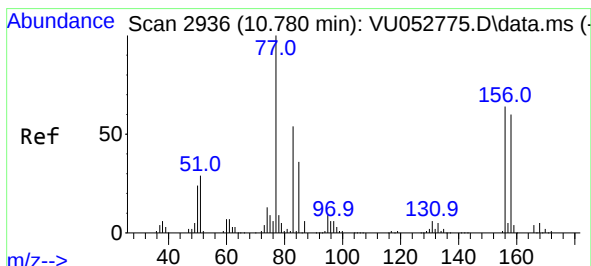
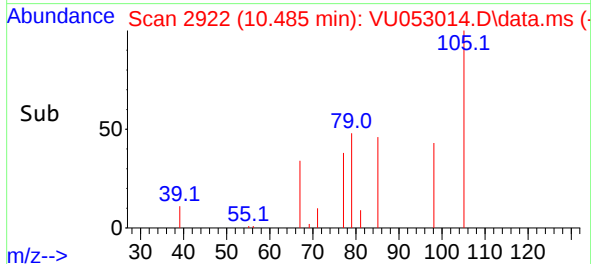
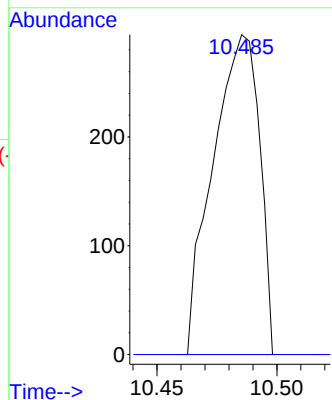
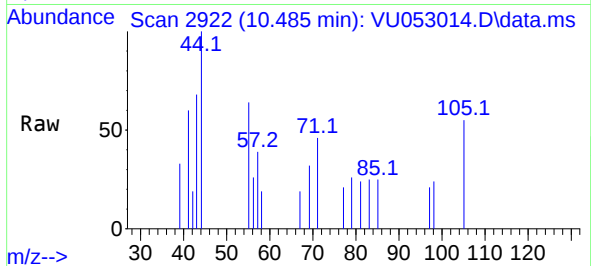




#69
Isopropylbenzene
Concen: 0.010 ug/l
RT: 10.485 min Scan# 24
Delta R.T. 0.004 min
Lab File: VU053014.D
Acq: 09 Feb 2023 11:25

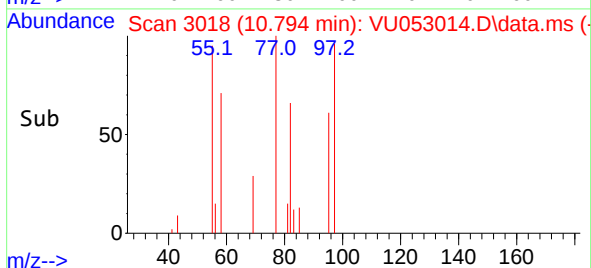
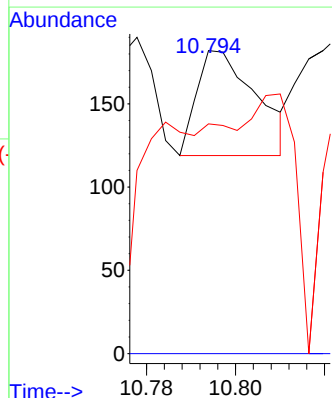
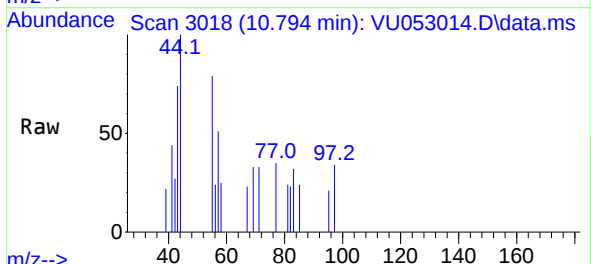
Instrument :
MSVOA_U
ClientSampleId :
VU0209WBL01

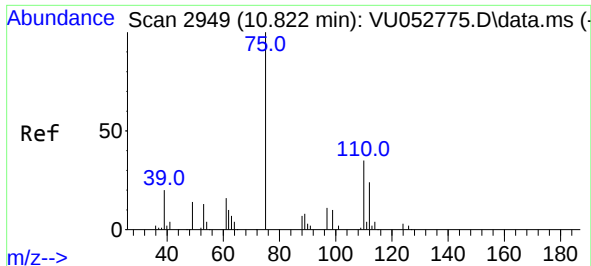
Tgt Ion:105 Resp: 398
Ion Ratio Lower Upper
105 100
120 0.0 13.3 39.9#



#70
1,1,2,2-Tetrachloroethane
Concen: 0.007 ug/l
RT: 10.794 min Scan# 3018
Delta R.T. 0.014 min
Lab File: VU053014.D
Acq: 09 Feb 2023 11:25

Tgt Ion: 83 Resp: 58
Ion Ratio Lower Upper
83 100
131 0.0 8.6 13.0#
85 213.8 52.6 78.8#



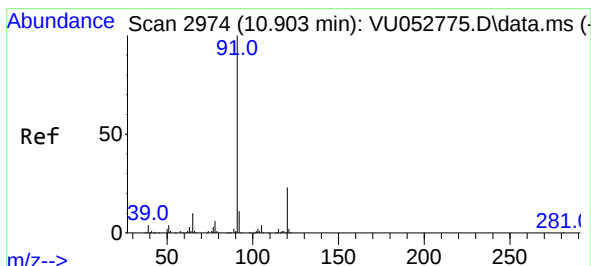
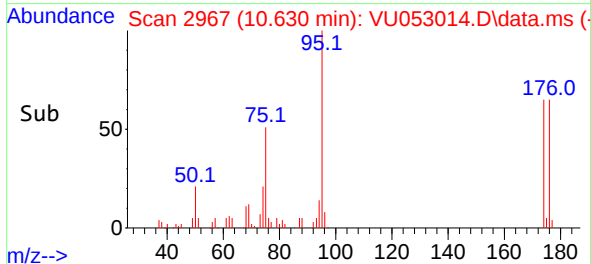
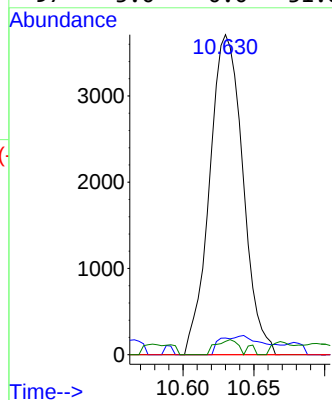
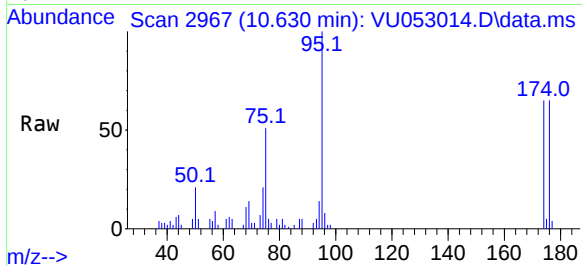


#71
1,2,3-Trichloropropane
Concen: 0.843 ug/l
RT: 10.630 min Scan# 2949
Delta R.T. -0.192 min
Lab File: VU053014.D
Acq: 09 Feb 2023 11:25

Instrument :
MSVOA_U
ClientSampleId :
VU0209WBL01

Tgt Ion: 75 Resp: 6070

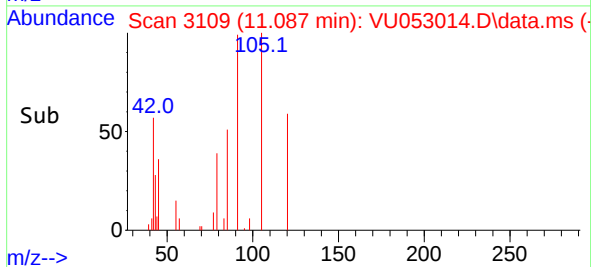
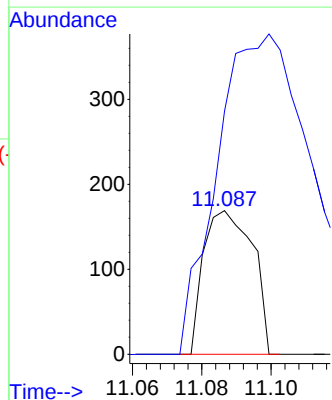
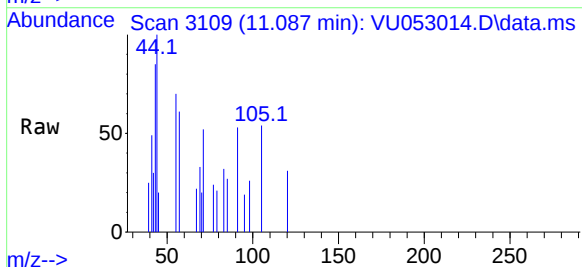
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	86.0
110	0.0	0.0	63.8
97	3.0	0.0	31.8

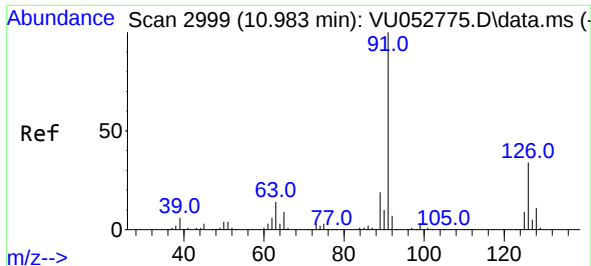


#73
n-propylbenzene
Concen: 0.453 ug/l
RT: 11.087 min Scan# 3109
Delta R.T. 0.184 min
Lab File: VU053014.D
Acq: 09 Feb 2023 11:25

Tgt Ion: 120 Resp: 166

Ion	Ratio	Lower	Upper
120	100		
91	445.8	348.0	522.0

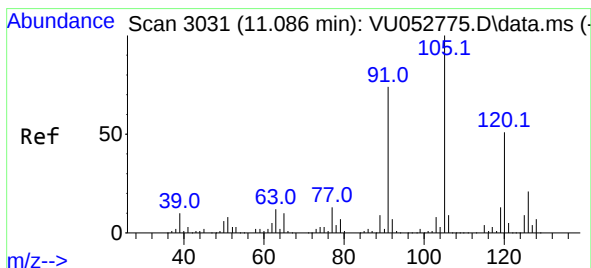
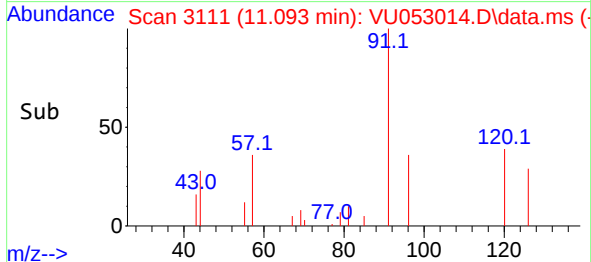
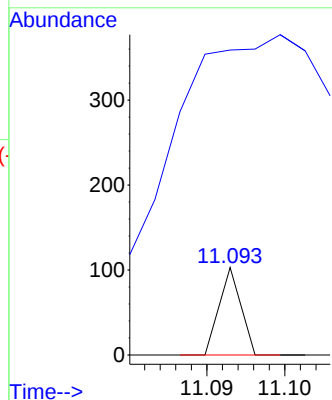
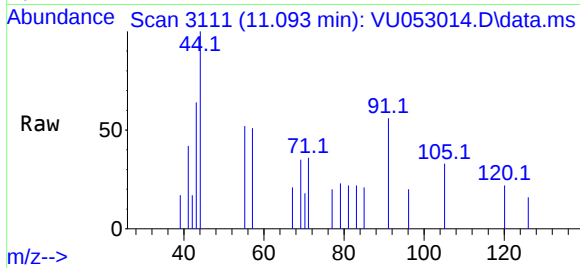




#74
2-Chlorotoluene
Concen: 0.002 ug/l
RT: 11.093 min Scan# 3111
Delta R.T. 0.110 min
Lab File: VU053014.D
Acq: 09 Feb 2023 11:25

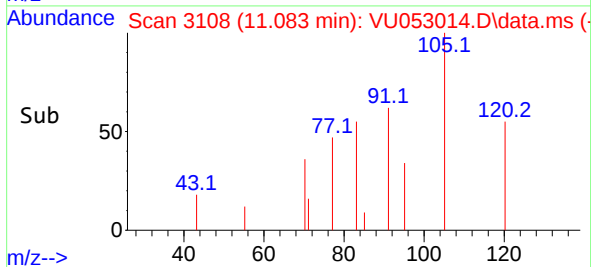
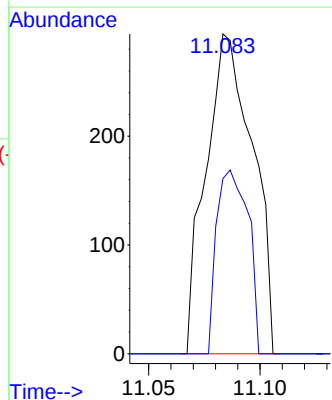
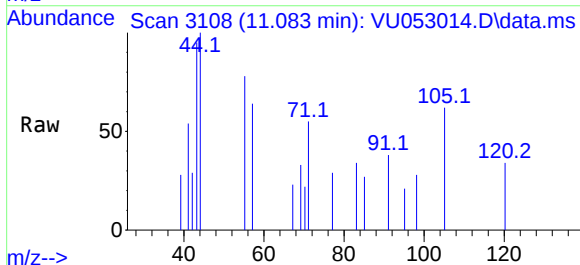
Instrument :
MSVOA_U
ClientSampleId :
VU0209WBL01

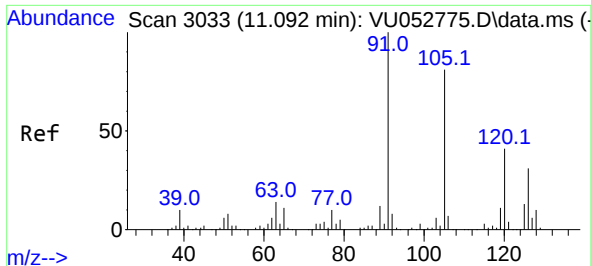
Tgt Ion:126 Resp: 20
Ion Ratio Lower Upper
126 100
91 3700.0 0.0 588.6#



#75
1,3,5-Trimethylbenzene
Concen: 0.430 ug/l
RT: 11.083 min Scan# 3108
Delta R.T. -0.003 min
Lab File: VU053014.D
Acq: 09 Feb 2023 11:25

Tgt Ion:105 Resp: 429
Ion Ratio Lower Upper
105 100
120 38.7 39.9 59.9#

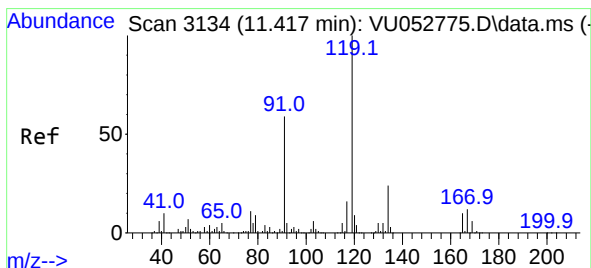
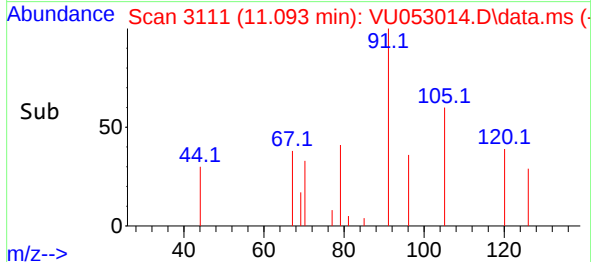
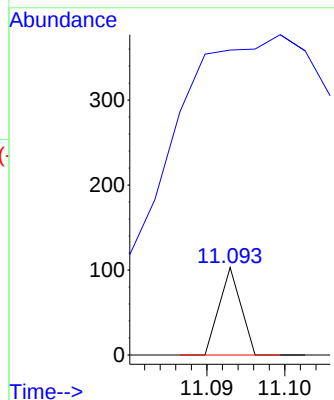
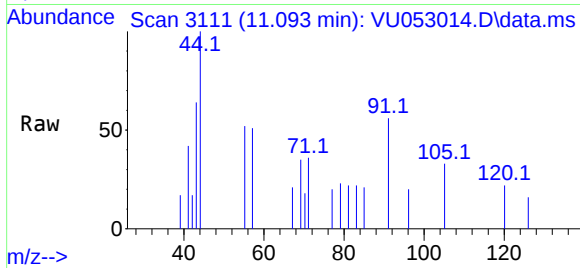




#76
4-Chlorotoluene
Concen: 0.002 ug/l
RT: 11.093 min Scan# 3111
Delta R.T. 0.001 min
Lab File: VU053014.D
Acq: 09 Feb 2023 11:25

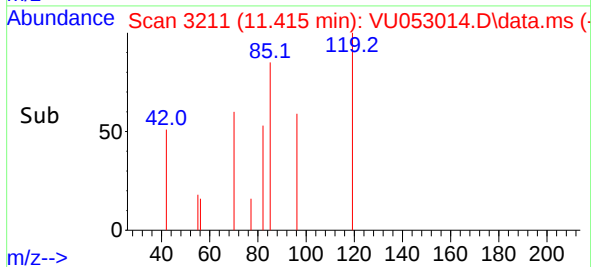
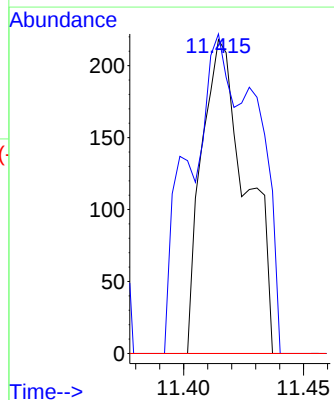
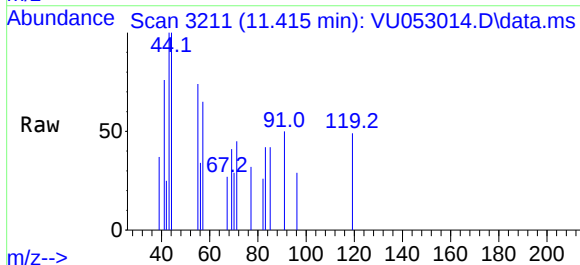
Instrument :
MSVOA_U
ClientSampleId :
VU0209WBL01

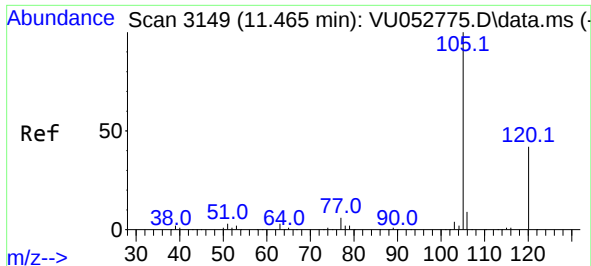
Tgt Ion:126 Resp: 20
Ion Ratio Lower Upper
126 100
91 3700.0 0.0 661.8#



#77
tert-Butylbenzene
Concen: 0.008 ug/l
RT: 11.415 min Scan# 3211
Delta R.T. -0.002 min
Lab File: VU053014.D
Acq: 09 Feb 2023 11:25

Tgt Ion:119 Resp: 283
Ion Ratio Lower Upper
119 100
91 110.2 28.4 85.3#
134 0.0 18.6 27.8#

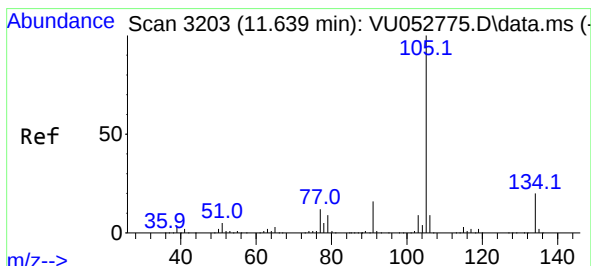
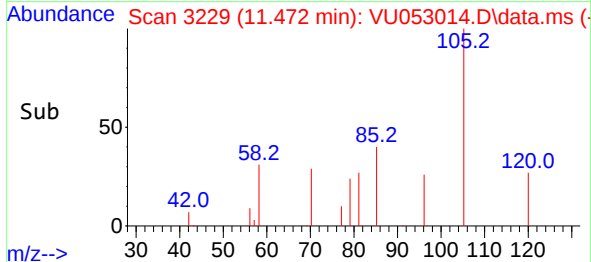
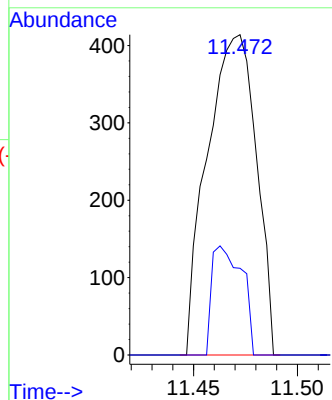
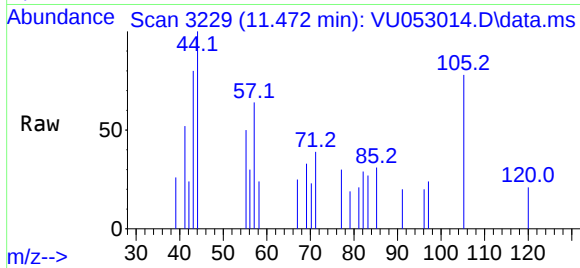




#78
1,2,4-Trimethylbenzene
Concen: 0.471 ug/l
RT: 11.472 min Scan# 3149
Delta R.T. 0.007 min
Lab File: VU053014.D
Acq: 09 Feb 2023 11:25

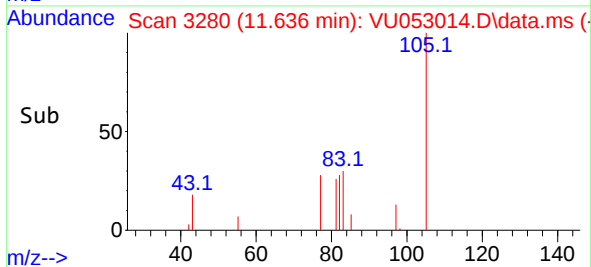
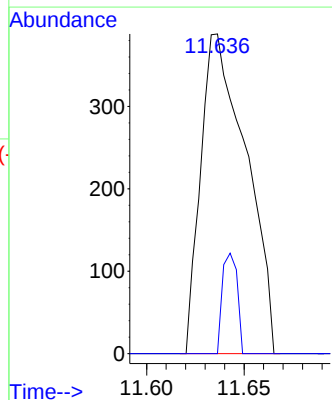
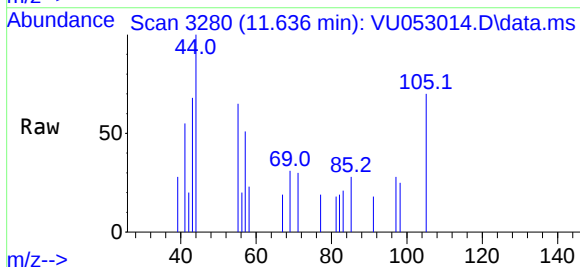
Instrument :
MSVOA_U
ClientSampleId :
VU0209WBL01

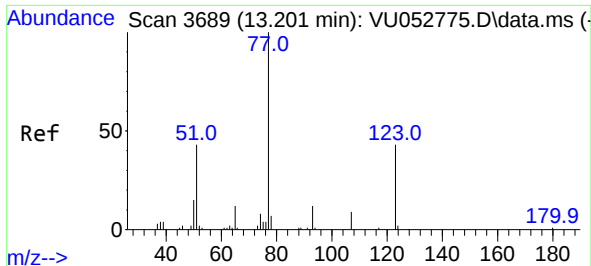
Tgt Ion:105 Resp: 678
Ion Ratio Lower Upper
105 100
120 20.9 23.4 70.3#



#79
sec-Butylbenzene
Concen: 0.441 ug/l
RT: 11.636 min Scan# 3280
Delta R.T. -0.003 min
Lab File: VU053014.D
Acq: 09 Feb 2023 11:25

Tgt Ion:105 Resp: 628
Ion Ratio Lower Upper
105 100
134 10.2 16.5 24.7#

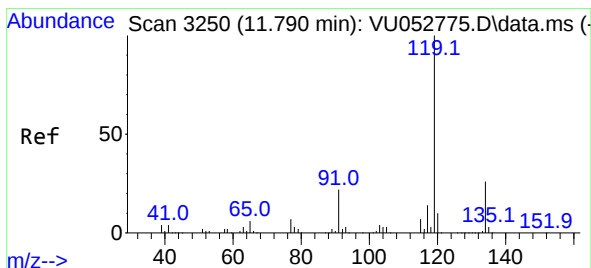
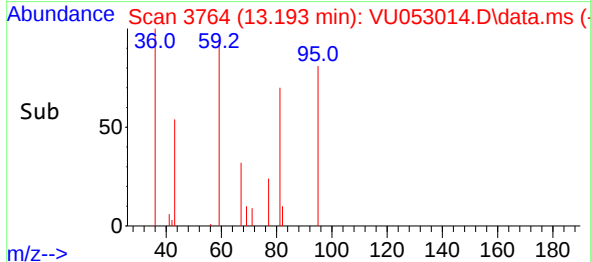
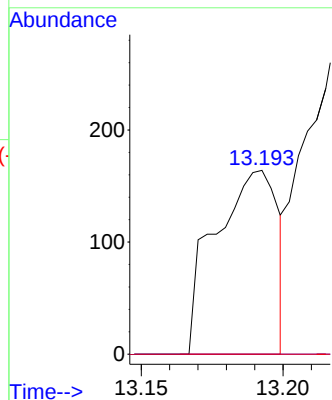
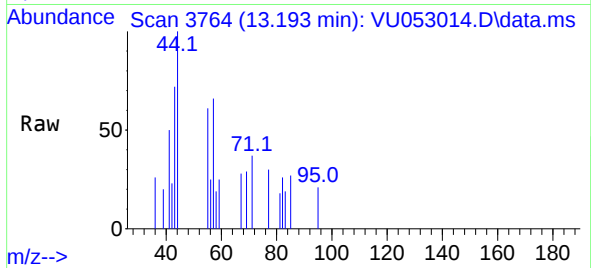




#80
Nitrobenzene
Concen: 0.489 ug/l
RT: 13.193 min Scan# 31
Delta R.T. -0.008 min
Lab File: VU053014.D
Acq: 09 Feb 2023 11:25

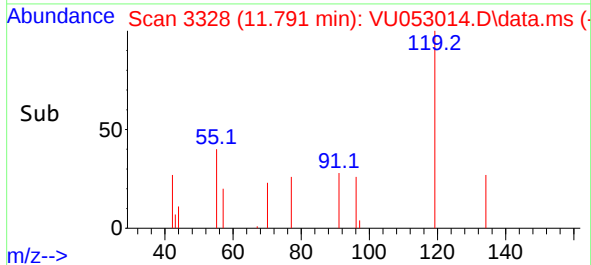
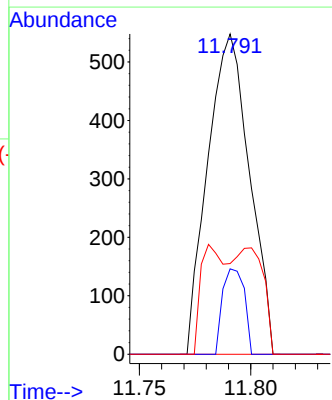
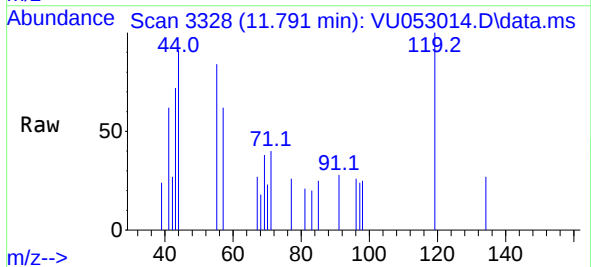
Instrument :
MSVOA_U
ClientSampleId :
VU0209WBL01

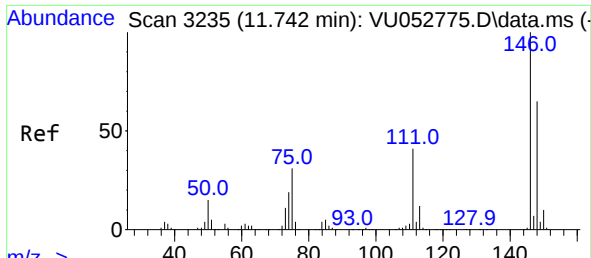
Tgt Ion: 77 Resp: 252
Ion Ratio Lower Upper
77 100
123 0.0 18.8 66.8#
65 0.0 10.1 12.9#



#81
p-Isopropyltoluene
Concen: 0.500 ug/l
RT: 11.791 min Scan# 3328
Delta R.T. 0.001 min
Lab File: VU053014.D
Acq: 09 Feb 2023 11:25

Tgt Ion: 119 Resp: 715
Ion Ratio Lower Upper
119 100
134 13.8 20.7 31.1#
91 18.0 17.6 26.4





#82

1,3-Dichlorobenzene

Concen: 0.022 ug/l

RT: 11.839 min Scan# 3343

Delta R.T. 0.097 min

Lab File: VU053014.D

Acq: 09 Feb 2023 11:25

Instrument :

MSVOA_U

ClientSampleId :

VU0209WBL01

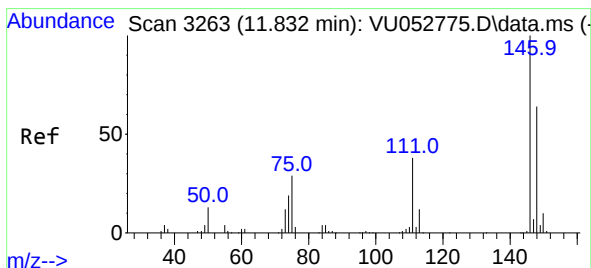
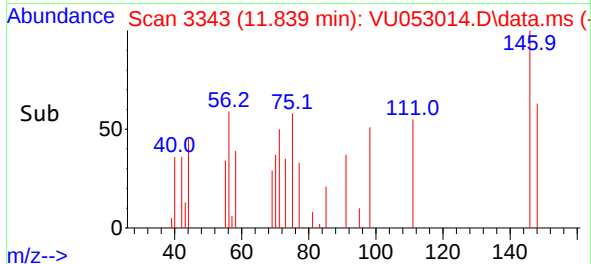
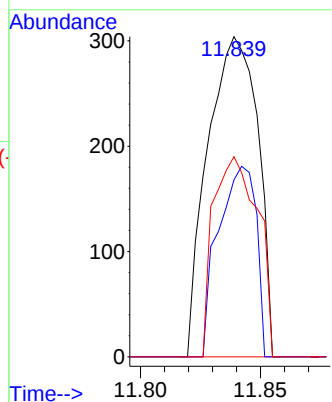
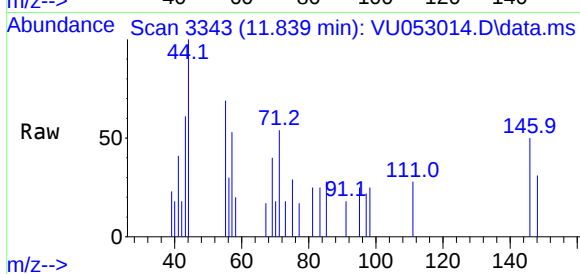
Tgt Ion:146 Resp: 441

Ion Ratio Lower Upper

146 100

111 44.9 32.6 48.8

148 55.3 51.9 77.9



#83

1,4-Dichlorobenzene

Concen: 0.022 ug/l

RT: 11.839 min Scan# 3343

Delta R.T. 0.007 min

Lab File: VU053014.D

Acq: 09 Feb 2023 11:25

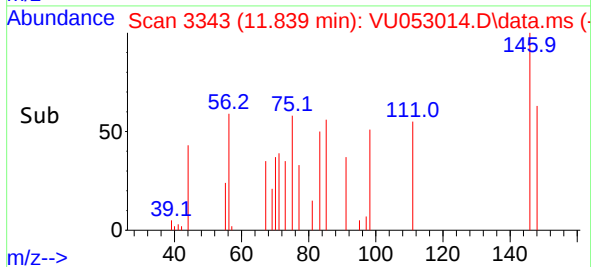
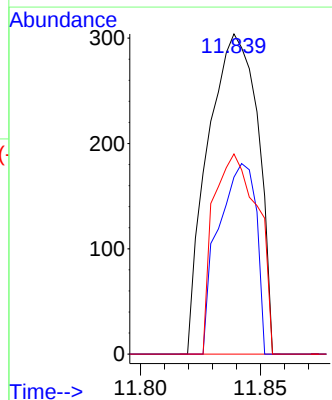
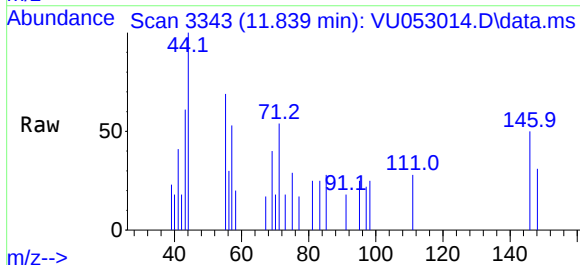
Tgt Ion:146 Resp: 441

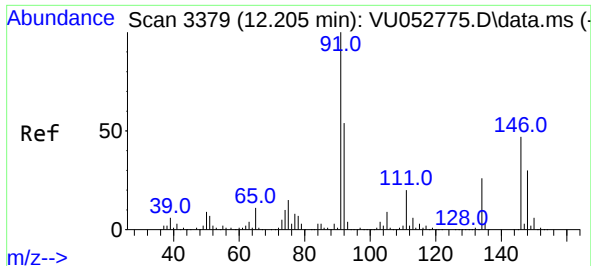
Ion Ratio Lower Upper

146 100

111 44.9 29.5 44.3#

148 55.3 51.4 77.0

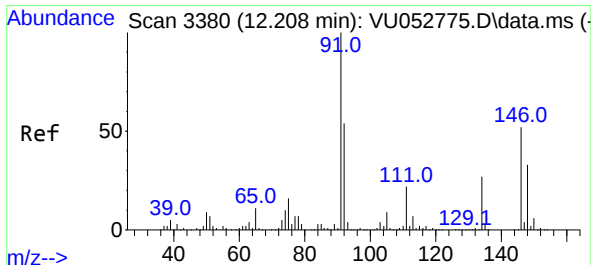
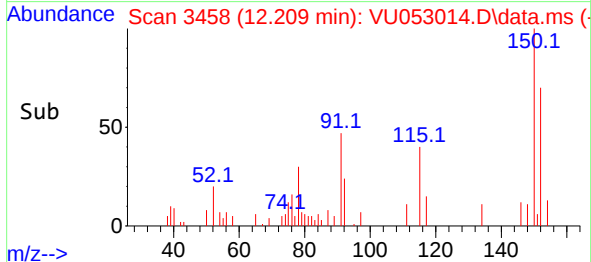
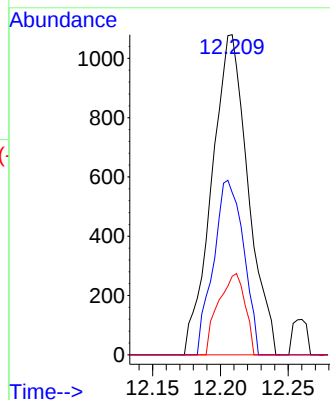
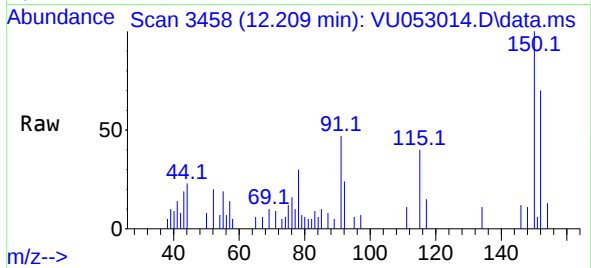




#84
n-Butylbenzene
Concen: 0.602 ug/l
RT: 12.209 min Scan# 3458
Delta R.T. 0.004 min
Lab File: VU053014.D
Acq: 09 Feb 2023 11:25

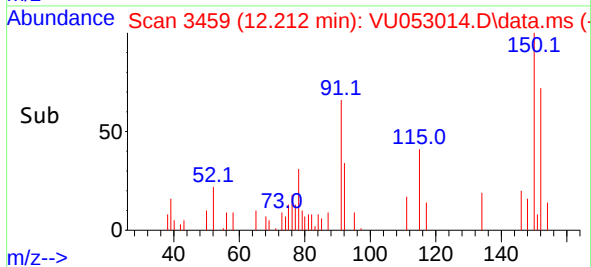
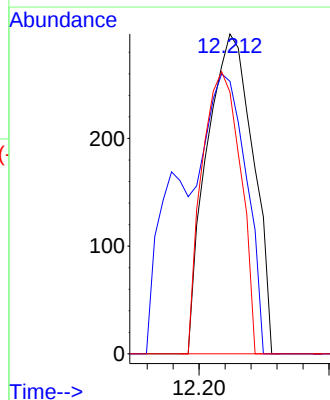
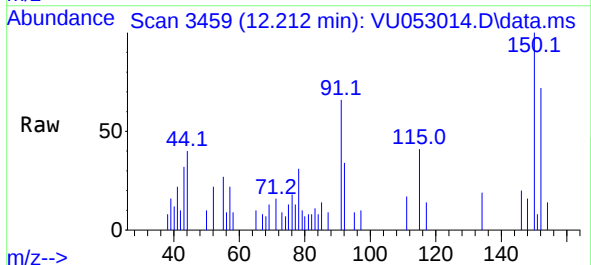
Instrument :
MSVOA_U
ClientSampleId :
VU0209WBL01

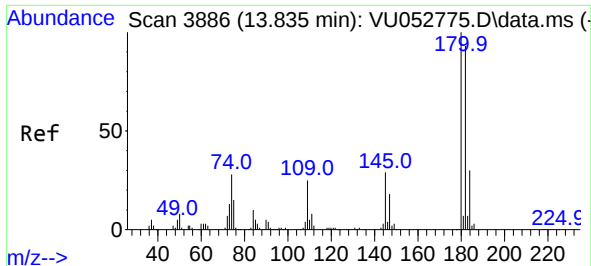
Tgt Ion: 91 Resp: 2011
Ion Ratio Lower Upper
91 100
92 45.2 43.4 65.0
134 18.5 21.2 31.8#



#85
1,2-Dichlorobenzene
Concen: 0.020 ug/l
RT: 12.212 min Scan# 3459
Delta R.T. 0.004 min
Lab File: VU053014.D
Acq: 09 Feb 2023 11:25

Tgt Ion: 146 Resp: 367
Ion Ratio Lower Upper
146 100
111 83.7 20.8 62.5#
148 73.3 31.4 94.2

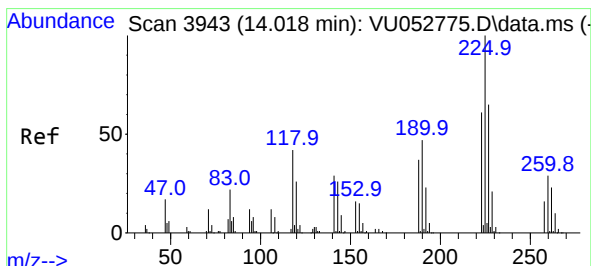
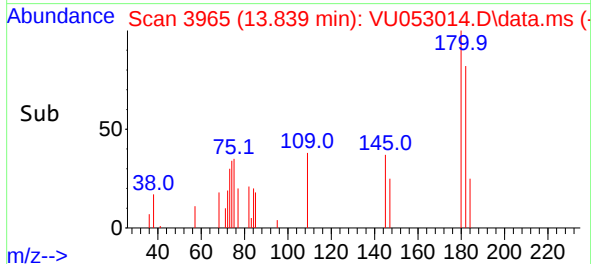
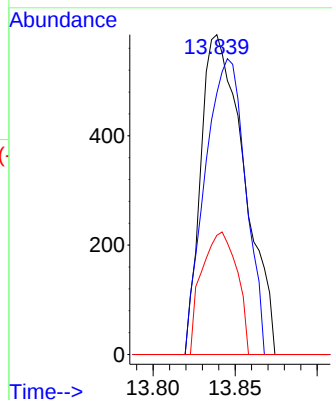
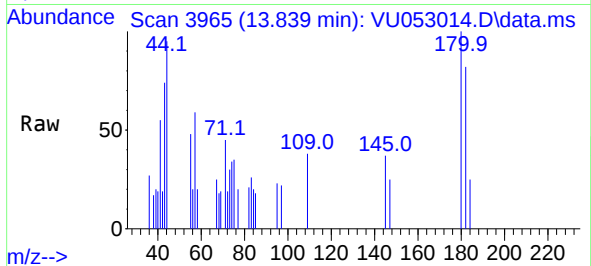




#87
1,2,4-Trichlorobenzene
Concen: 0.095 ug/l
RT: 13.839 min Scan# 3965
Delta R.T. 0.004 min
Lab File: VU053014.D
Acq: 09 Feb 2023 11:25

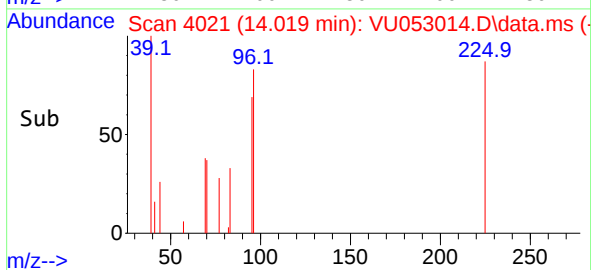
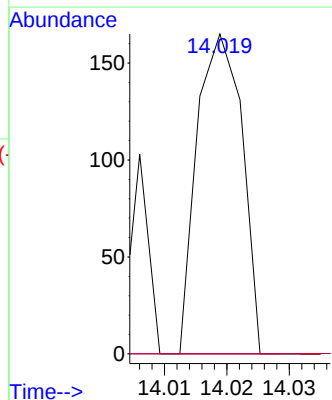
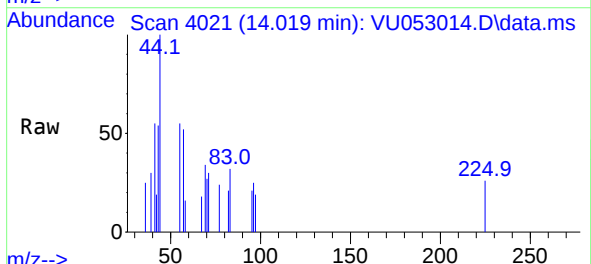
Instrument :
MSVOA_U
ClientSampleId :
VU0209WBL01

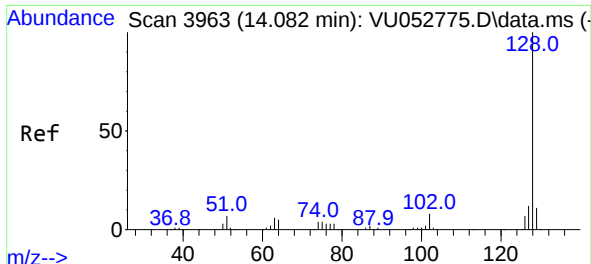
Tgt Ion:	180	Resp:	1073
Ion Ratio	Lower	Upper	
180	100		
182	86.2	74.6	112.0
145	31.1	23.4	35.0



#88
Hexachlorobutadiene
Concen: 0.011 ug/l
RT: 14.019 min Scan# 4021
Delta R.T. 0.001 min
Lab File: VU053014.D
Acq: 09 Feb 2023 11:25

Tgt Ion:	225	Resp:	83
Ion Ratio	Lower	Upper	
225	100		
223	0.0	49.8	74.6#
227	0.0	51.5	77.3#





#89

Naphthalene

Concen: 0.195 ug/l

RT: 14.093 min Scan# 4044

Delta R.T. 0.010 min

Lab File: VU053014.D

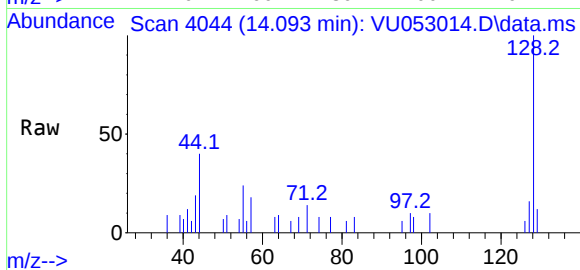
Acq: 09 Feb 2023 11:25

Instrument :

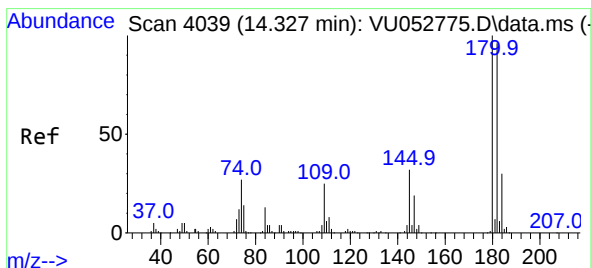
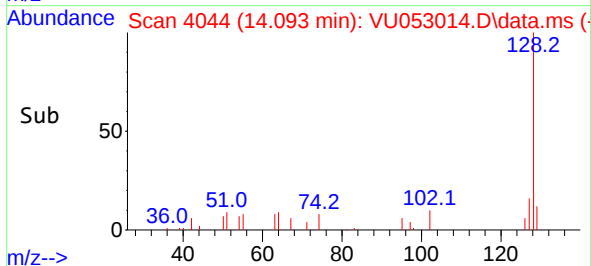
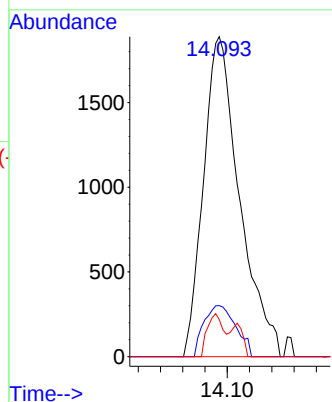
MSVOA_U

ClientSampleId :

VU0209WBL01



Tgt Ion:	128	Resp:	4242
Ion	Ratio	Lower	Upper
128	100		
127	14.2	10.2	15.4
129	6.0	8.6	12.8



#90

1,2,3-Trichlorobenzene

Concen: 0.097 ug/l

RT: 14.331 min Scan# 4118

Delta R.T. 0.004 min

Lab File: VU053014.D

Acq: 09 Feb 2023 11:25

Tgt Ion:	180	Resp:	1038
Ion	Ratio	Lower	Upper
180	100		
182	90.0	77.8	116.6
145	33.8	25.2	37.8

