

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU081922\
 Data File : VU050387.D
 Acq On : 20 Aug 2022 00:09
 Operator : SY/MD
 Sample : VIBLK
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK

Quant Time: Aug 20 06:31:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U081922DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Aug 19 15:06:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.102	96	33868	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.642	95	8183	0.710	ug/l	0.00
Spiked Amount 1.000			Recovery	=	71.000%	
68) 1,2-Dichlorobenzene-d4	12.198	152	9986	0.733	ug/l	0.00
Spiked Amount 1.000			Recovery	=	73.000%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	789	0.046	ug/l	# 82
4) Vinyl Chloride	1.604	62	424	0.029	ug/l	# 87
5) Bromomethane	1.842	94	72	0.012	ug/l	# 4
6) Chloroethane	2.093	64	22	0.002	ug/l	# 42
9) 1,1-Dichloroethene	2.584	96	352	0.035	ug/l	90
11) Allyl Chloride	2.813	41	158	0.010	ug/l	94
12) Acrylonitrile	3.472	53	20	0.007	ug/l	# 1
13) Acetone	2.639	43	1751	0.837	ug/l	95
14) Carbon Disulfide	2.803	76	1202	0.039	ug/l	# 81
15) Methylene Chloride	3.051	84	28375	2.102	ug/l	95
16) trans-1,2-Dichloroethene	3.363	96	646	0.063	ug/l	# 53
17) 1,1-Dichloroethane	3.874	63	100	0.005	ug/l	# 83
18) 2-Butanone	4.745	43	958	0.291	ug/l	75
19) Cyclohexane	5.356	56	115	0.007	ug/l	# 52
21) 2,2-Dichloropropane	4.732	77	2709	0.166	ug/l	# 52
22) cis-1,2-Dichloroethene	4.668	96	578	0.050	ug/l	# 82
24) tert-Butyl Alcohol	3.202	59	9961	10.991	ug/l	# 74
25) Methyl tert-Butyl Ether	3.395	73	215	0.008	ug/l	# 1
27) Chloroform	5.080	83	521	0.025	ug/l	91
28) 1,1,1-Trichloroethane	5.305	97	897	0.051	ug/l	87
29) 1,1-Dichloropropene	5.514	75	148	0.010	ug/l	# 4
30) Carbon Tetrachloride	5.504	117	158	0.011	ug/l	# 13
31) Isopropyl Ether	4.009	45	471	0.014	ug/l	84
32) Ethyl-t-butyl ether	4.539	59	86	0.003	ug/l	# 35
33) Tert-Amyl methyl ether	6.105	73	533	0.031	ug/l	# 43
34) Propionitrile	4.771	54	21	0.022	ug/l	# 1
35) Benzene	5.752	78	3811	0.091	ug/l	94
36) 1,2-Dichloroethane	5.797	62	276	0.022	ug/l	# 75
37) Trichloroethene	6.543	130	291	0.029	ug/l	# 73
38) 1,2-Dichloropropane	6.819	63	302	0.027	ug/l	96
39) Methacrylonitrile	4.996	41	63	0.016	ug/l	# 1
40) Methyl acrylate	4.871	55	112	0.018	ug/l	# 1
41) Tetrahydrofuran	5.083	42	72	0.036	ug/l	# 51
42) 1-Chlorobutane	5.436	56	66	0.003	ug/l	# 1
44) Bromodichloromethane	7.141	83	790	0.055	ug/l	# 77
45) 4-Methyl-2-Pentanone	7.838	43	398	0.066	ug/l	# 69
46) t-1,4-Dichloro-2-butene	10.639	75	4269	1.670	ug/l	# 22
49) Toluene	7.989	92	1461	0.065	ug/l	89
52) 1,1,2-Trichloroethane	8.417	97	511	0.057	ug/l	# 82
54) 2-Hexanone	8.716	43	115	0.027	ug/l	# 31
55) Dibromochloromethane	8.832	129	221	0.023	ug/l	# 46
58) Tetrachloroethene	8.562	164	214	0.023	ug/l	# 84
59) Chlorobenzene	9.462	112	1893	0.078	ug/l	99

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 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

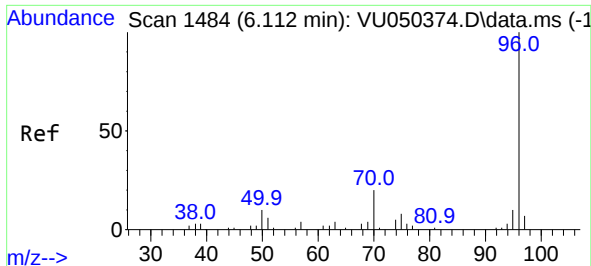
Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK

Quant Time: Aug 20 06:31:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U081922DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Aug 19 15:06:59 2022
 Response via : Initial Calibration

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

63) Ethyl Benzene	9.581	91	2133	0.611	ug/l #	88
64) m/p-Xylenes	9.703	106	1469	1.156	ug/l	96
65) o-Xylene	10.108	106	812	0.554	ug/l	89
66) Styrene	10.124	104	2178	0.664	ug/l #	74
69) Isopropylbenzene	10.485	105	151	0.004	ug/l #	50
71) 1,2,3-Trichloropropane	10.639	75	4269	0.464	ug/l #	36
73) n-propylbenzene	10.906	120	257	0.610	ug/l	66
75) 1,3,5-Trimethylbenzene	11.086	105	176	0.528	ug/l #	49
77) tert-Butylbenzene	11.414	119	46	0.495	ug/l #	29
78) 1,2,4-Trimethylbenzene	11.481	105	339	0.573	ug/l #	33
79) sec-Butylbenzene	11.645	105	161	0.552	ug/l #	58
81) p-Isopropyltoluene	11.796	119	177	0.005	ug/l #	50
82) 1,3-Dichlorobenzene	11.841	146	8003	0.371	ug/l	95
83) 1,4-Dichlorobenzene	11.841	146	8003	0.374	ug/l	95
84) n-Butylbenzene	12.211	91	393	0.596	ug/l #	63
85) 1,2-Dichlorobenzene	12.214	146	4427	0.209	ug/l	100
87) 1,2,4-Trichlorobenzene	13.845	180	20007	1.655	ug/l	96
89) Naphthalene	14.092	128	7800	1.176	ug/l	98

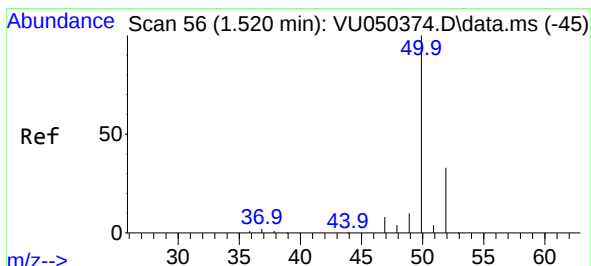
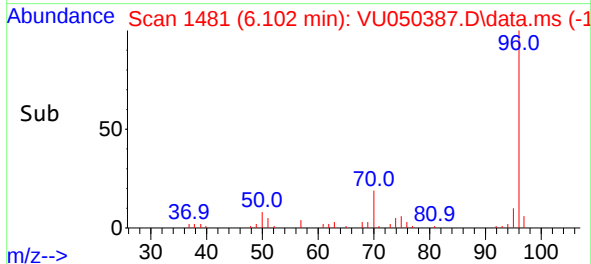
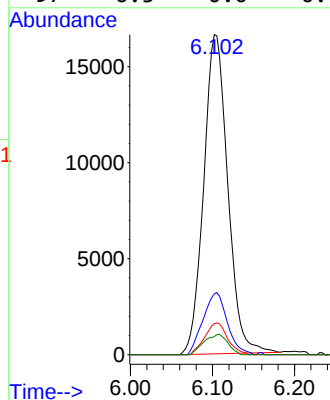
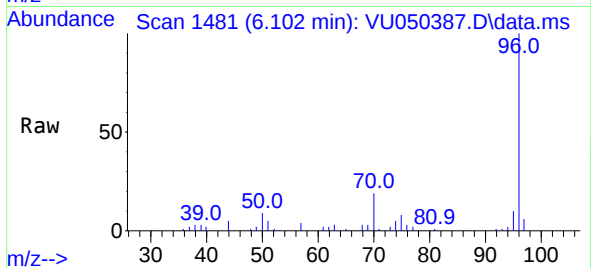
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.102 min Scan# 1484
Delta R.T. -0.010 min
Lab File: VU050387.D
Acq: 20 Aug 2022 00:09

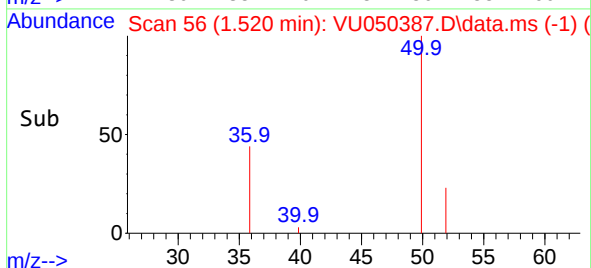
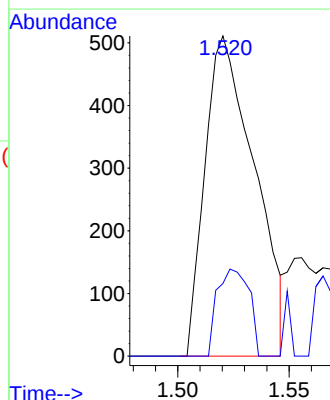
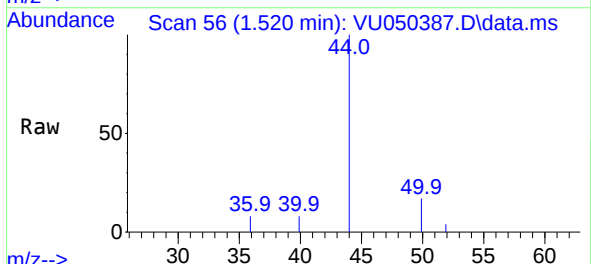
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

Tgt Ion:	96	Resp:	33868
Ion Ratio	Lower	Upper	
96	100		
70	19.5	16.7	25.1
95	9.5	7.4	11.0
97	6.3	0.0	0.0

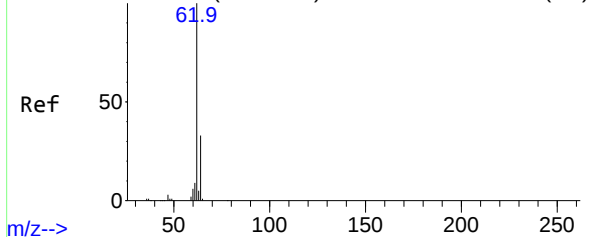


#3
Chloromethane
Concen: 0.046 ug/l
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU050387.D
Acq: 20 Aug 2022 00:09

Tgt Ion:	50	Resp:	789
Ion Ratio	Lower	Upper	
50	100		
52	22.7	26.1	39.1



Abundance Scan 82 (1.604 min): VU050374.D\data.ms (-72)



#4

Vinyl Chloride

Concen: 0.029 ug/l

RT: 1.604 min Scan# 81

Delta R.T. 0.000 min

Lab File: VU050387.D

Acq: 20 Aug 2022 00:09

Instrument :

MSVOA_U

ClientSampleId :

VIBLK

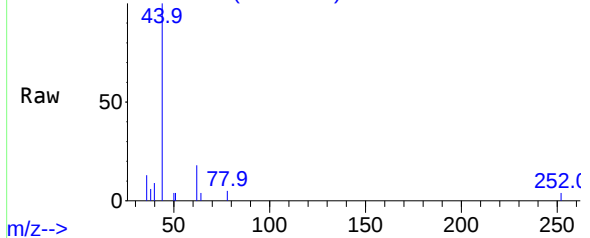
Tgt Ion: 62 Resp: 424

Ion Ratio Lower Upper

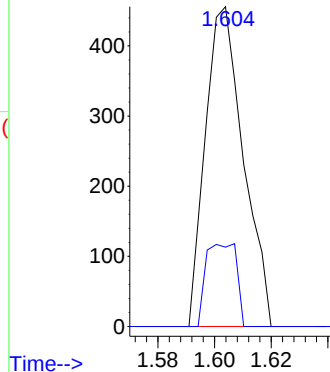
62 100

64 24.8 25.5 38.3#

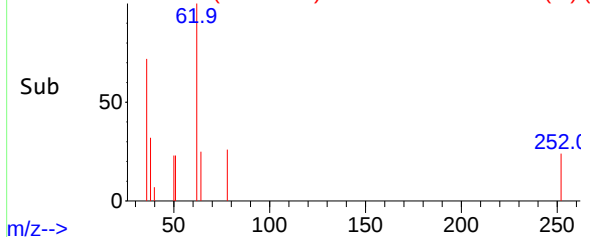
Abundance Scan 82 (1.604 min): VU050387.D\data.ms



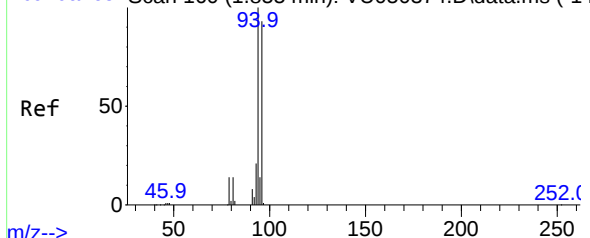
Abundance



Abundance Scan 82 (1.604 min): VU050387.D\data.ms (-1)



Abundance Scan 160 (1.855 min): VU050374.D\data.ms (-14)



#5

Bromomethane

Concen: 0.012 ug/l

RT: 1.842 min Scan# 156

Delta R.T. -0.013 min

Lab File: VU050387.D

Acq: 20 Aug 2022 00:09

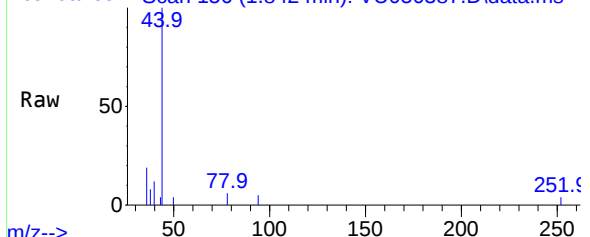
Tgt Ion: 94 Resp: 72

Ion Ratio Lower Upper

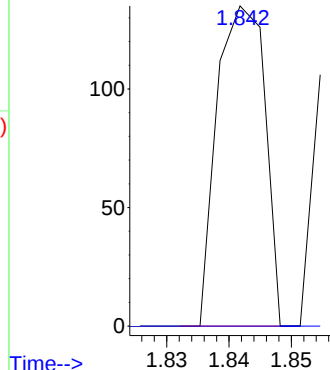
94 100

96 0.0 73.0 109.6#

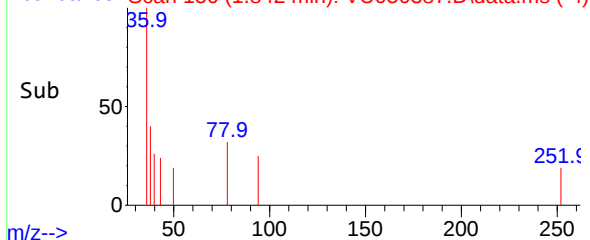
Abundance Scan 156 (1.842 min): VU050387.D\data.ms

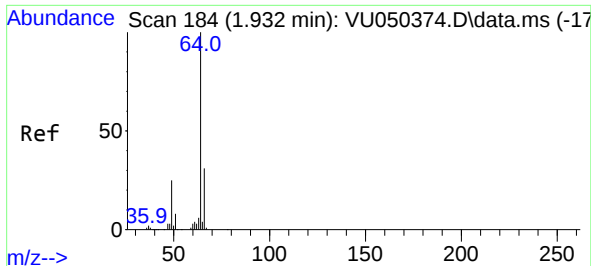


Abundance



Abundance Scan 156 (1.842 min): VU050387.D\data.ms (-4)

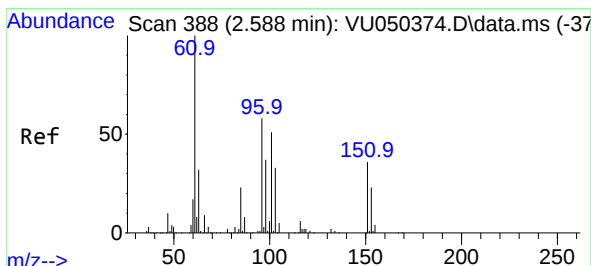
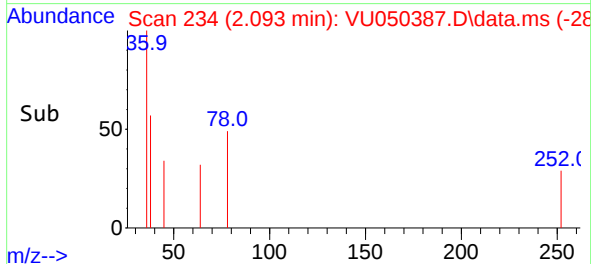
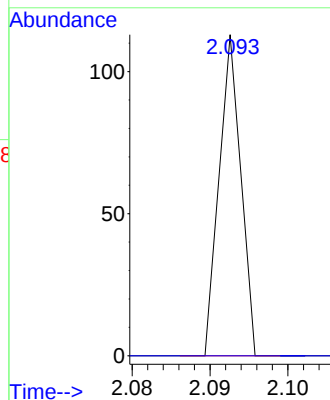
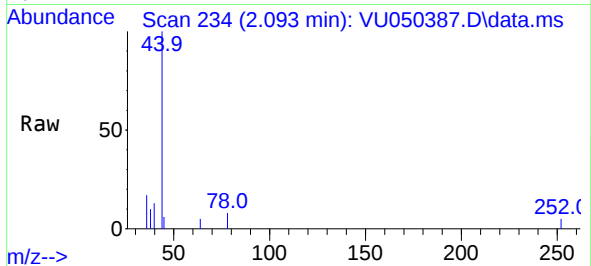




#6
Chloroethane
Concen: 0.002 ug/l
RT: 2.093 min Scan# 21
Delta R.T. 0.161 min
Lab File: VU050387.D
Acq: 20 Aug 2022 00:09

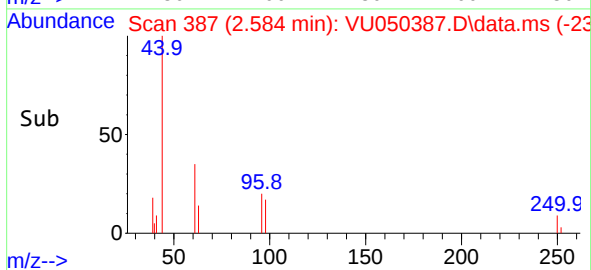
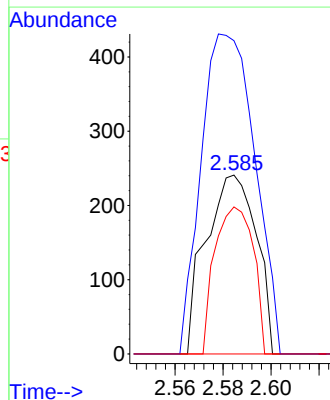
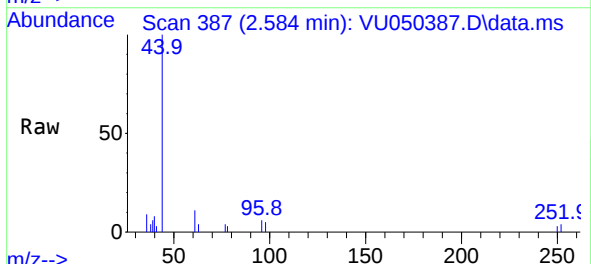
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

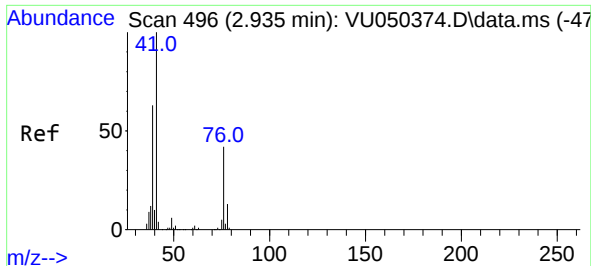
Tgt Ion: 64 Resp: 22
Ion Ratio Lower Upper
64 100
66 0.0 25.8 38.6#



#9
1,1-Dichloroethene
Concen: 0.035 ug/l
RT: 2.584 min Scan# 387
Delta R.T. -0.003 min
Lab File: VU050387.D
Acq: 20 Aug 2022 00:09

Tgt Ion: 96 Resp: 352
Ion Ratio Lower Upper
96 100
61 175.1 0.0 510.6
98 82.2 0.0 124.6

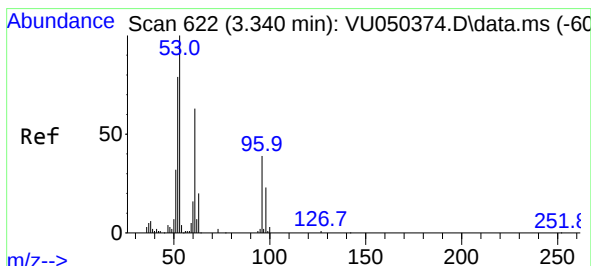
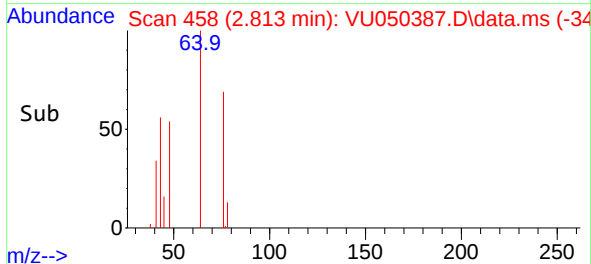
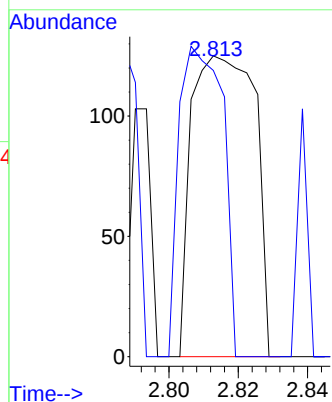
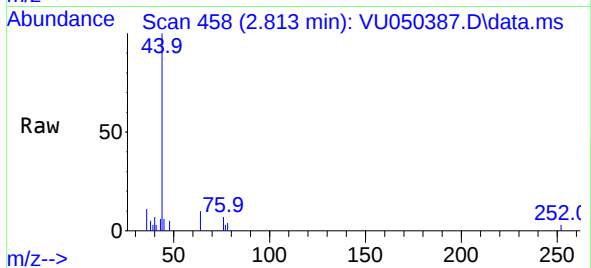




#11
 Allyl Chloride
 Concen: 0.010 ug/l
 RT: 2.813 min Scan# 41
 Delta R.T. -0.122 min
 Lab File: VU050387.D
 Acq: 20 Aug 2022 00:09

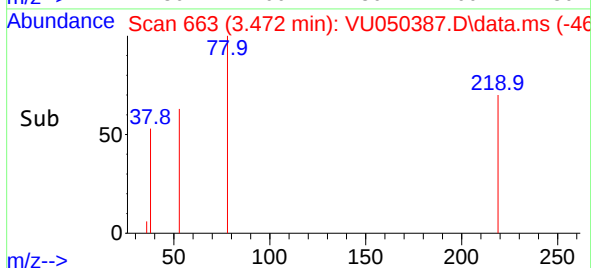
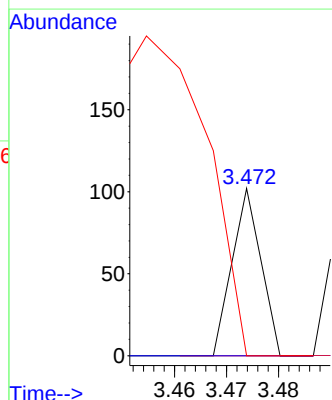
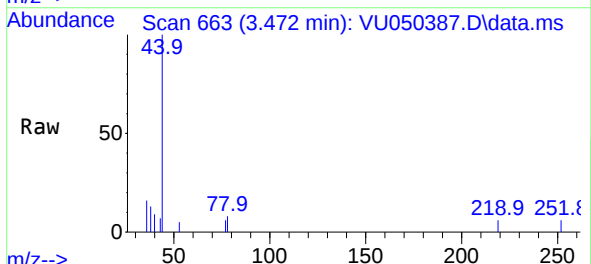
Instrument :
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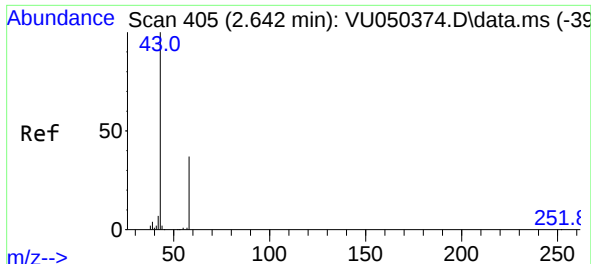
Tgt Ion: 41 Resp: 158
 Ion Ratio Lower Upper
 41 100
 39 71.5 53.2 79.8



#12
 Acrylonitrile
 Concen: 0.007 ug/l
 RT: 3.472 min Scan# 663
 Delta R.T. 0.132 min
 Lab File: VU050387.D
 Acq: 20 Aug 2022 00:09

Tgt Ion: 53 Resp: 20
 Ion Ratio Lower Upper
 53 100
 52 315.0 64.6 97.0#
 51 0.0 30.7 46.1#

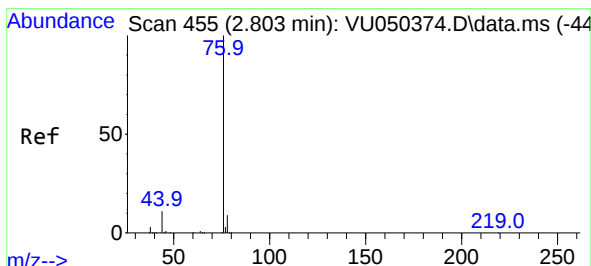
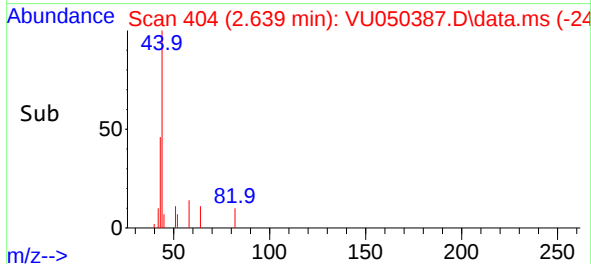
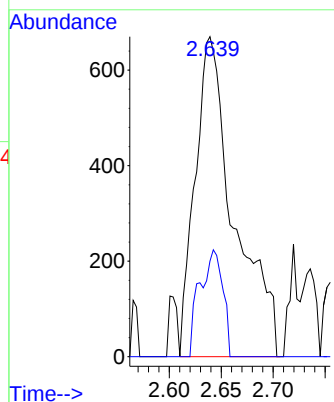
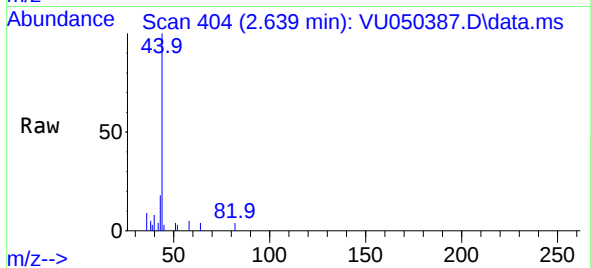




#13
Acetone
Concen: 0.837 ug/l
RT: 2.639 min Scan# 405
Delta R.T. -0.003 min
Lab File: VU050387.D
Acq: 20 Aug 2022 00:09

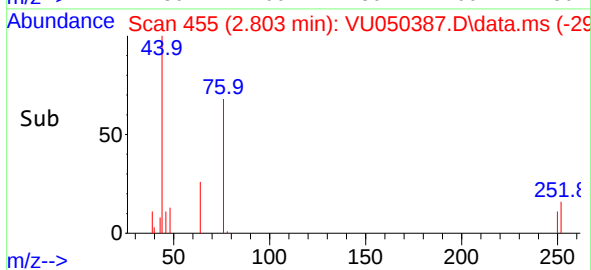
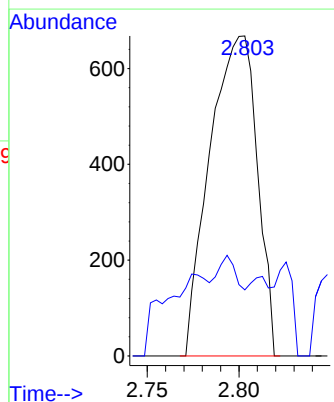
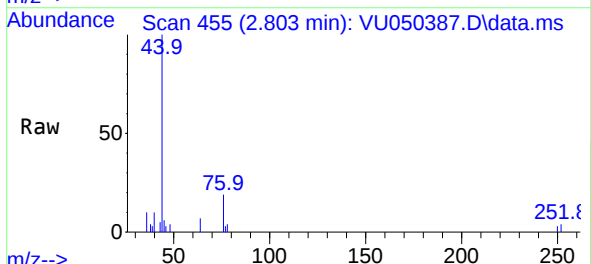
Instrument :
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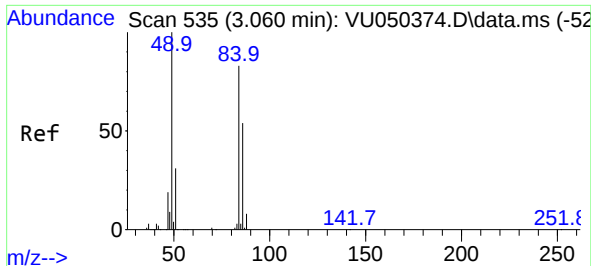
Tgt Ion: 43 Resp: 1751
Ion Ratio Lower Upper
43 100
58 29.9 26.2 39.2



#14
Carbon Disulfide
Concen: 0.039 ug/l
RT: 2.803 min Scan# 455
Delta R.T. 0.000 min
Lab File: VU050387.D
Acq: 20 Aug 2022 00:09

Tgt Ion: 76 Resp: 1202
Ion Ratio Lower Upper
76 100
78 2.2 7.4 11.0#



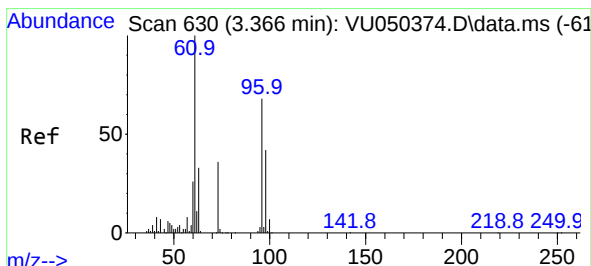
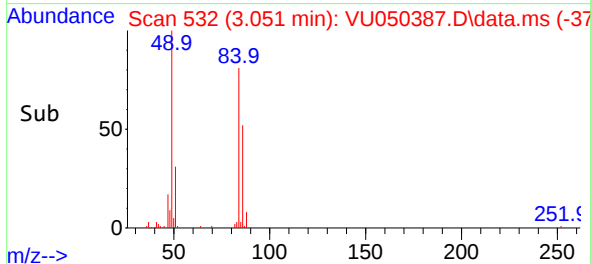
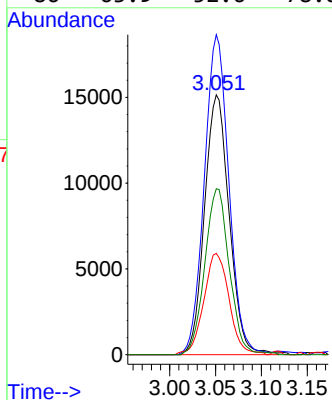
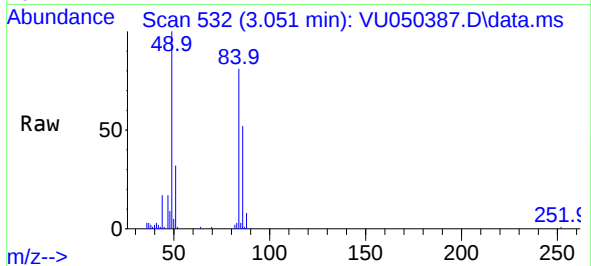


#15
Methylene Chloride
Concen: 2.102 ug/l
RT: 3.051 min Scan# 51
Delta R.T. -0.010 min
Lab File: VU050387.D
Acq: 20 Aug 2022 00:09

Instrument :
MSVOA_U
ClientSampleId :
VIBLK

Tgt Ion: 84 Resp: 28375

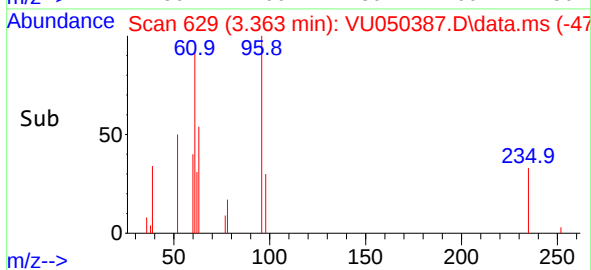
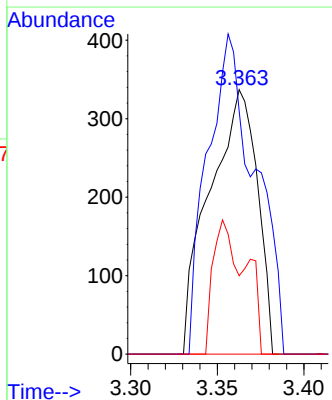
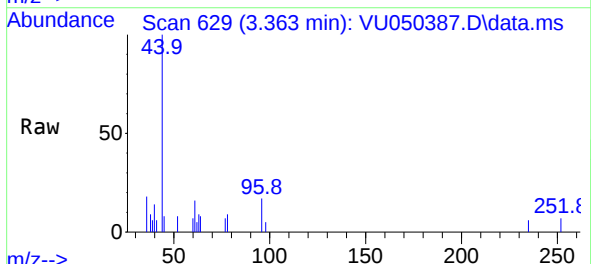
Ion	Ratio	Lower	Upper
84	100		
49	123.2	104.6	157.0
51	38.3	0.0	81.4
86	63.9	52.6	78.8

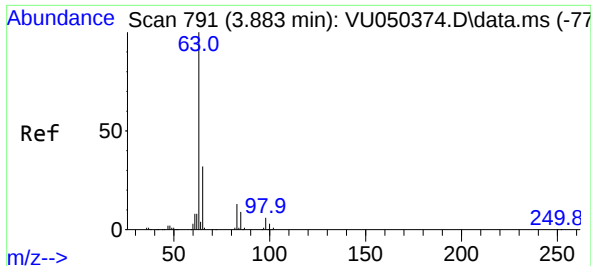


#16
trans-1,2-Dichloroethene
Concen: 0.063 ug/l
RT: 3.363 min Scan# 629
Delta R.T. -0.003 min
Lab File: VU050387.D
Acq: 20 Aug 2022 00:09

Tgt Ion: 96 Resp: 646

Ion	Ratio	Lower	Upper
96	100		
61	92.0	123.4	185.0#
98	29.7	51.6	77.4#

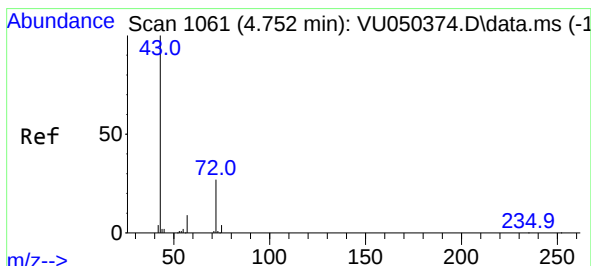
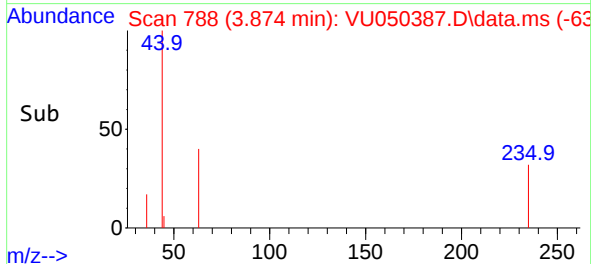
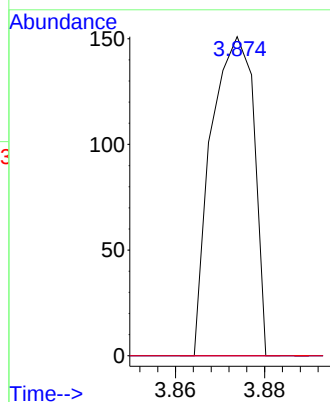
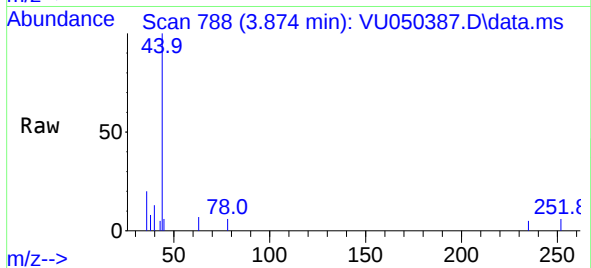




#17
1,1-Dichloroethane
Concen: 0.005 ug/l
RT: 3.874 min Scan# 791
Delta R.T. -0.010 min
Lab File: VU050387.D
Acq: 20 Aug 2022 00:09

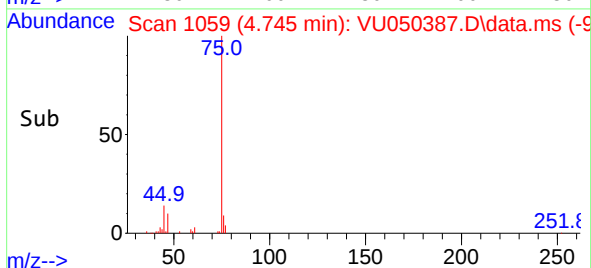
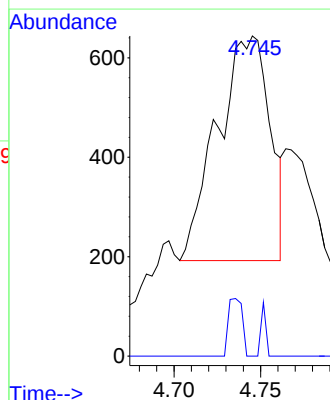
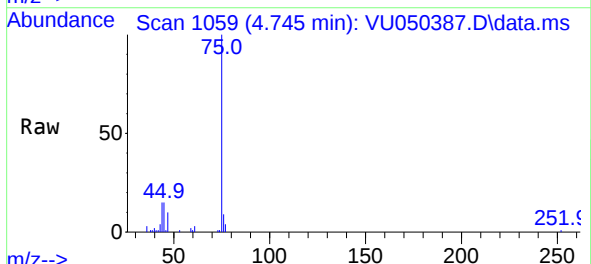
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

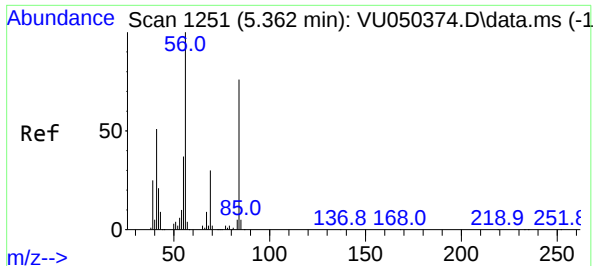
Tgt Ion: 63 Resp: 100
Ion Ratio Lower Upper
63 100
98 0.0 3.4 10.2#
100 0.0 2.0 6.0#



#18
2-Butanone
Concen: 0.291 ug/l
RT: 4.745 min Scan# 1059
Delta R.T. -0.006 min
Lab File: VU050387.D
Acq: 20 Aug 2022 00:09

Tgt Ion: 43 Resp: 958
Ion Ratio Lower Upper
43 100
57 0.0 0.0 18.0

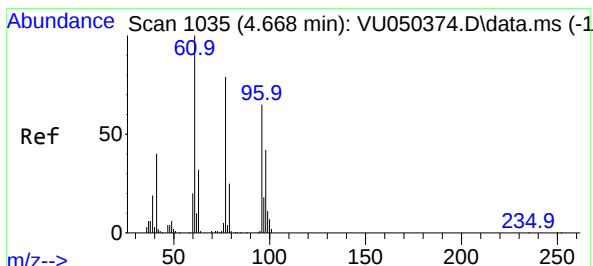
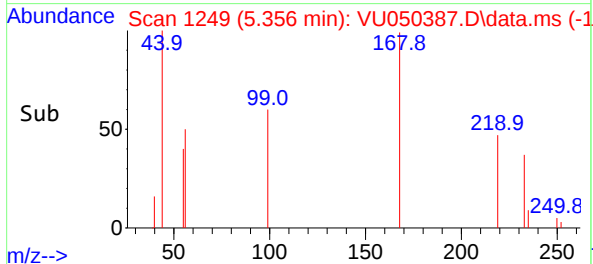
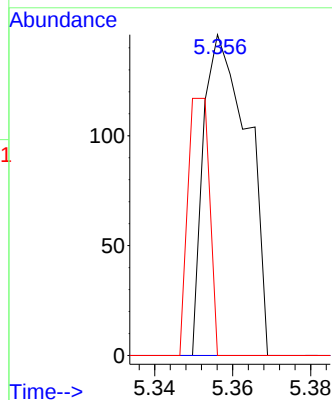
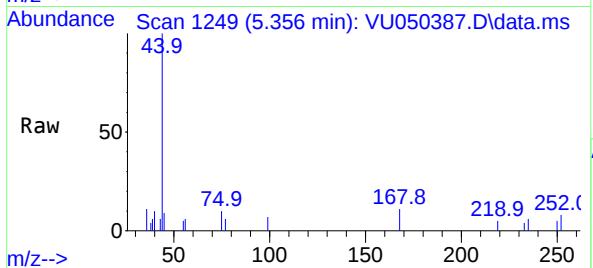




#19
Cyclohexane
Concen: 0.007 ug/l
RT: 5.356 min Scan# 1115
Delta R.T. -0.006 min
Lab File: VU050387.D
Acq: 20 Aug 2022 00:09

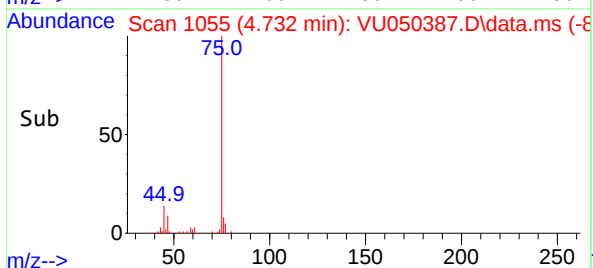
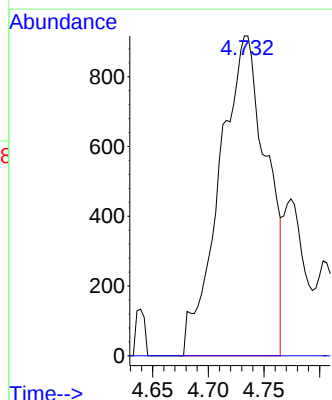
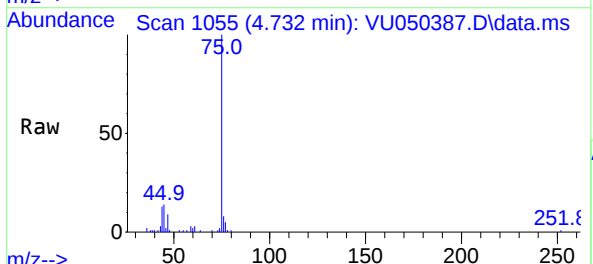
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

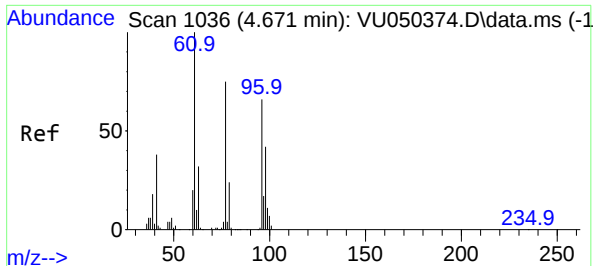
Tgt Ion:	56	Resp:	115
Ion Ratio	Lower	Upper	
56	100		
69	0.0	24.2	36.4#
84	39.1	63.4	95.2#



#21
2,2-Dichloropropane
Concen: 0.166 ug/l
RT: 4.732 min Scan# 1055
Delta R.T. 0.064 min
Lab File: VU050387.D
Acq: 20 Aug 2022 00:09

Tgt Ion:	77	Resp:	2709
Ion Ratio	Lower	Upper	
77	100		
97	0.0	18.5	27.7#

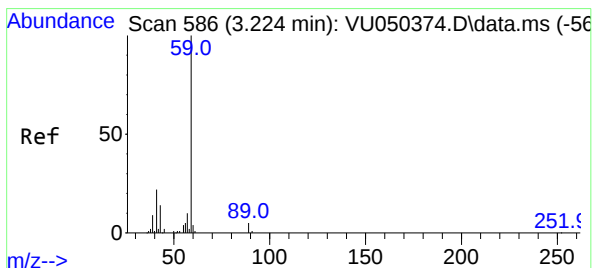
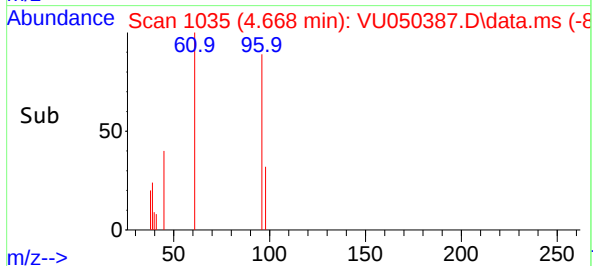
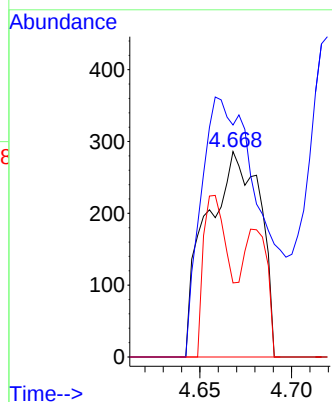
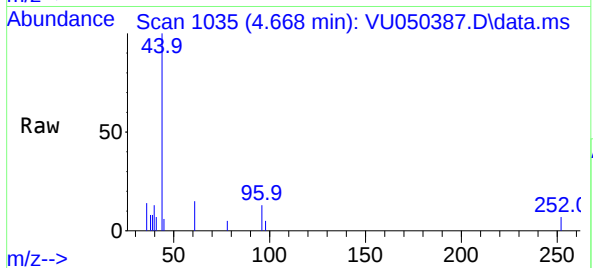




#22
cis-1,2-Dichloroethene
Concen: 0.050 ug/l
RT: 4.668 min Scan# 1036
Delta R.T. -0.003 min
Lab File: VU050387.D
Acq: 20 Aug 2022 00:09

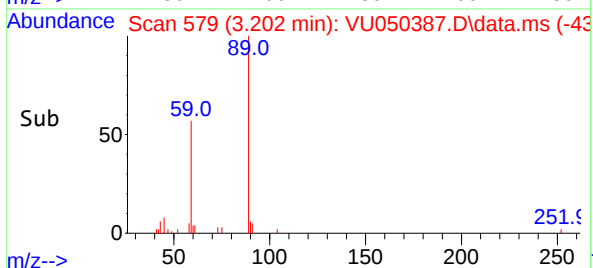
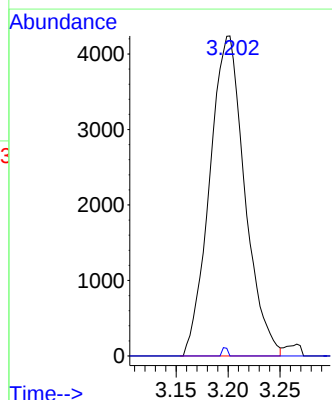
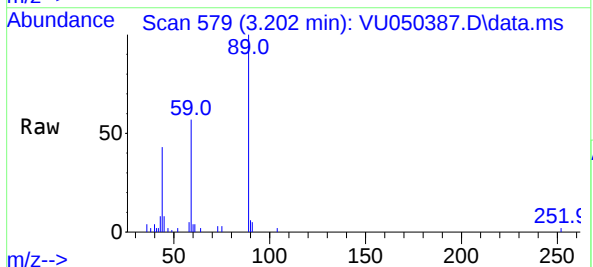
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

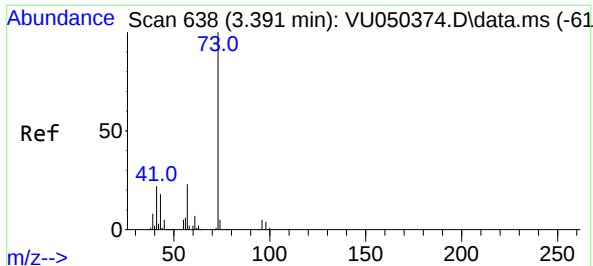
Tgt Ion: 96 Resp: 578
Ion Ratio Lower Upper
96 100
61 157.8 0.0 375.8
98 26.6 31.6 95.0#



#24
tert-Butyl Alcohol
Concen: 10.991 ug/l
RT: 3.202 min Scan# 579
Delta R.T. -0.022 min
Lab File: VU050387.D
Acq: 20 Aug 2022 00:09

Tgt Ion: 59 Resp: 9961
Ion Ratio Lower Upper
59 100
57 0.4 8.2 12.2#





#25

Methyl tert-Butyl Ether

Concen: 0.008 ug/l

RT: 3.395 min Scan# 61

Delta R.T. 0.003 min

Lab File: VU050387.D

Acq: 20 Aug 2022 00:09

Instrument :

MSVOA_U

ClientSampleId :

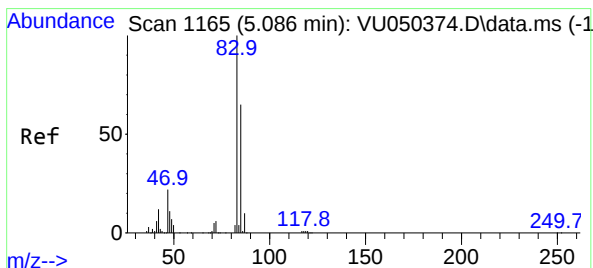
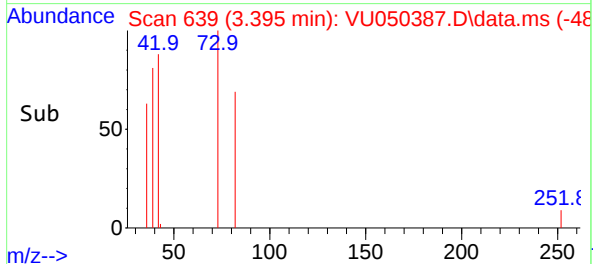
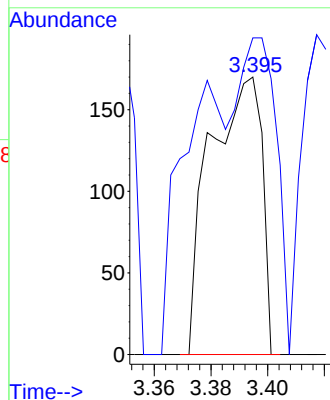
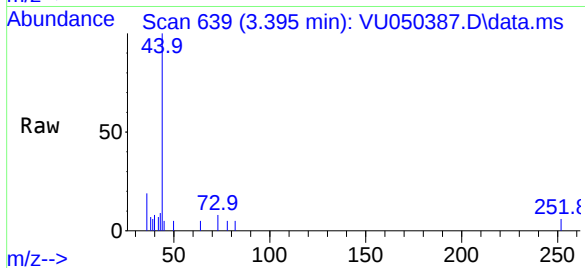
VIBLK

Tgt Ion: 73 Resp: 215

Ion Ratio Lower Upper

73 100

43 89.8 15.9 23.9#



#27

Chloroform

Concen: 0.025 ug/l

RT: 5.080 min Scan# 1163

Delta R.T. -0.006 min

Lab File: VU050387.D

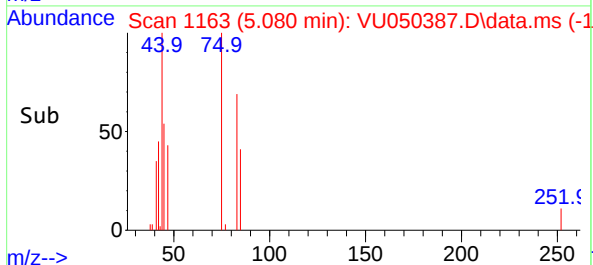
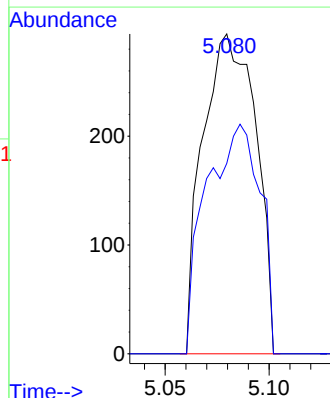
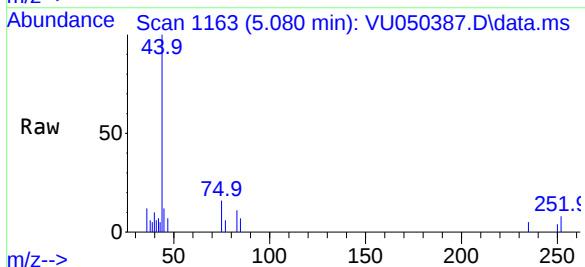
Acq: 20 Aug 2022 00:09

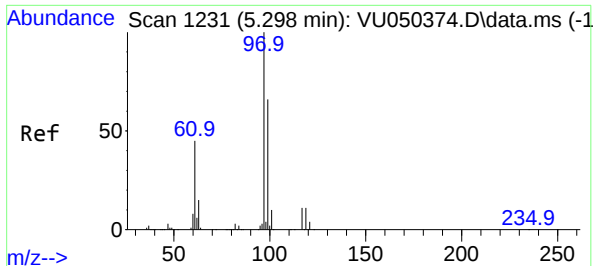
Tgt Ion: 83 Resp: 521

Ion Ratio Lower Upper

83 100

85 59.5 0.0 133.6

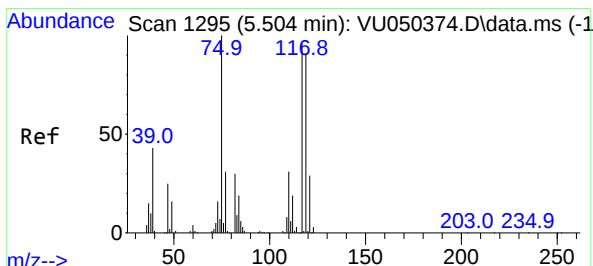
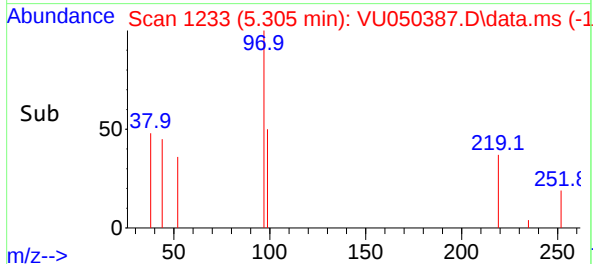
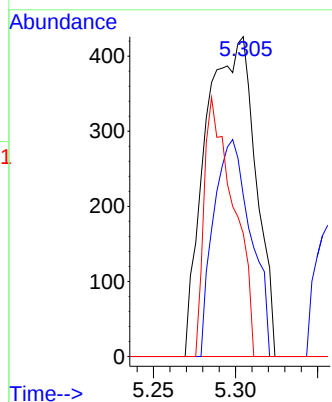
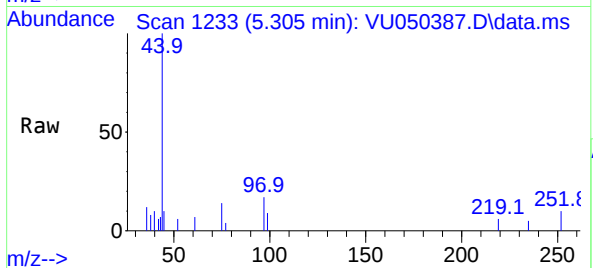




#28
1,1,1-Trichloroethane
Concen: 0.051 ug/l
RT: 5.305 min Scan# 1231
Delta R.T. 0.006 min
Lab File: VU050387.D
Acq: 20 Aug 2022 00:09

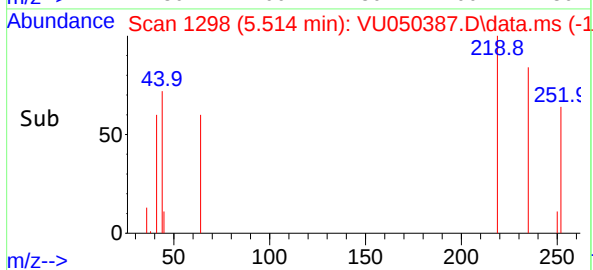
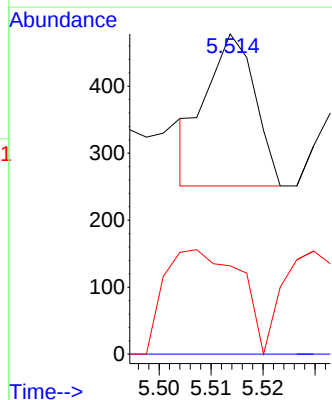
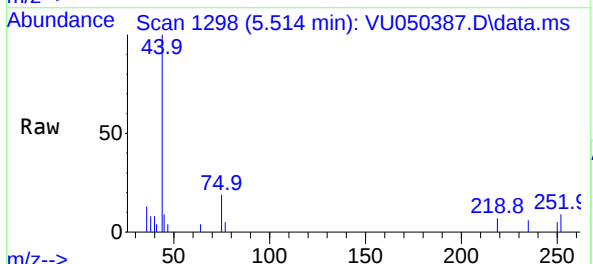
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

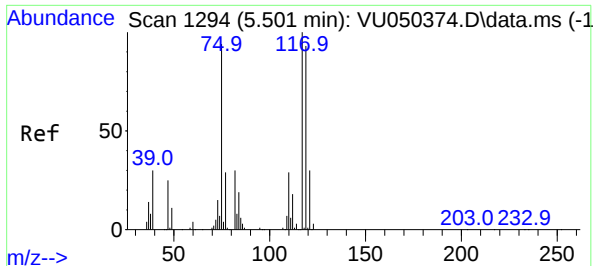
Tgt Ion:	97	Resp:	897
Ion	Ratio	Lower	Upper
97	100		
99	50.7	32.1	96.5
61	47.9	21.8	65.4



#29
1,1-Dichloropropene
Concen: 0.010 ug/l
RT: 5.514 min Scan# 1298
Delta R.T. 0.010 min
Lab File: VU050387.D
Acq: 20 Aug 2022 00:09

Tgt Ion:	75	Resp:	148
Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.3	52.0#
77	106.1	24.6	37.0#

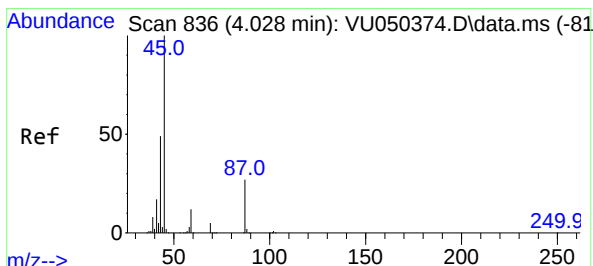
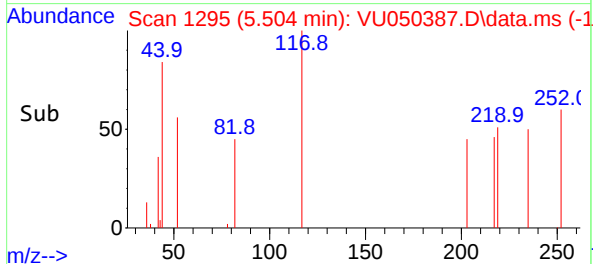
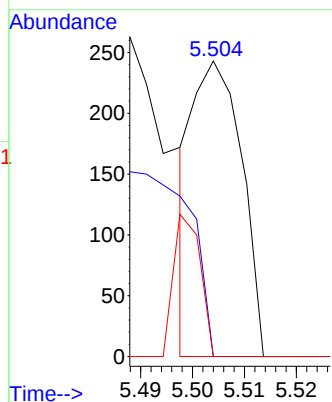
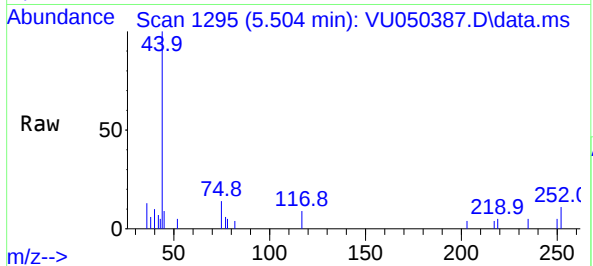




#30
Carbon Tetrachloride
Concen: 0.011 ug/l
RT: 5.504 min Scan# 117
Delta R.T. 0.003 min
Lab File: VU050387.D
Acq: 20 Aug 2022 00:09

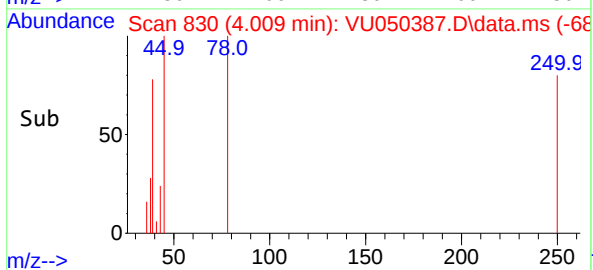
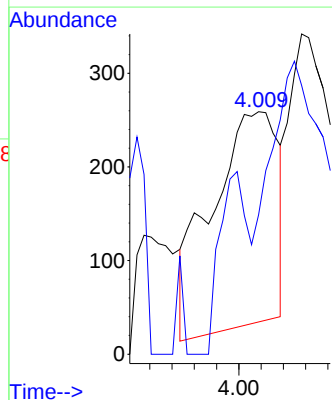
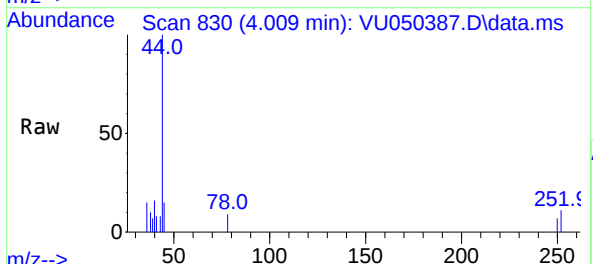
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

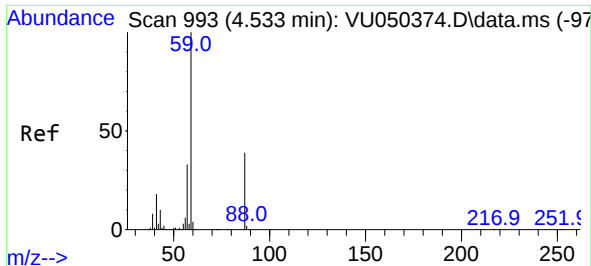
Tgt Ion:117 Resp: 158
Ion Ratio Lower Upper
117 100
119 0.0 74.6 112.0#
121 0.0 24.2 36.4#



#31
Isopropyl Ether
Concen: 0.014 ug/l
RT: 4.009 min Scan# 830
Delta R.T. -0.019 min
Lab File: VU050387.D
Acq: 20 Aug 2022 00:09

Tgt Ion: 45 Resp: 471
Ion Ratio Lower Upper
45 100
43 36.9 23.8 71.2

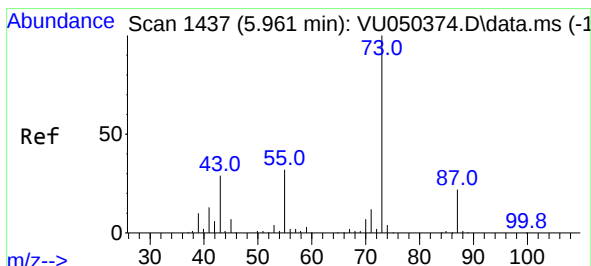
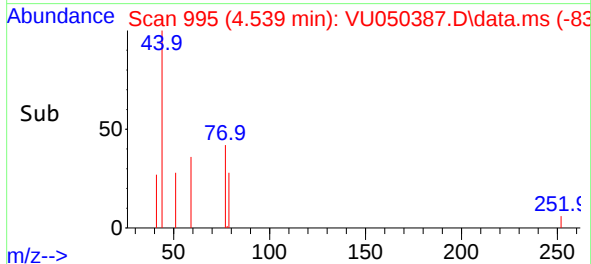
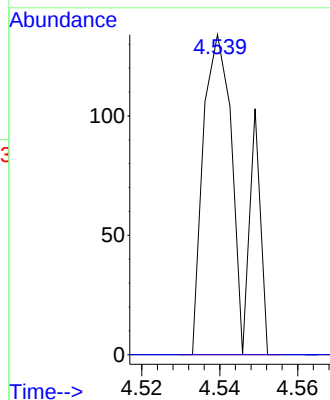
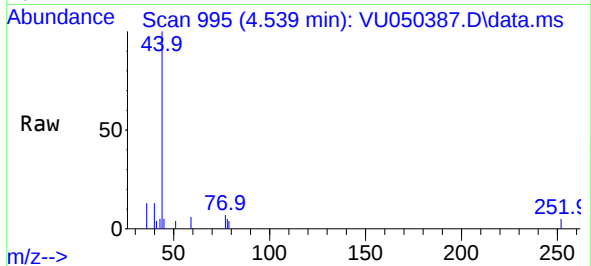




#32
Ethyl-t-butyl ether
Concen: 0.003 ug/l
RT: 4.539 min Scan# 993
Delta R.T. 0.006 min
Lab File: VU050387.D
Acq: 20 Aug 2022 00:09

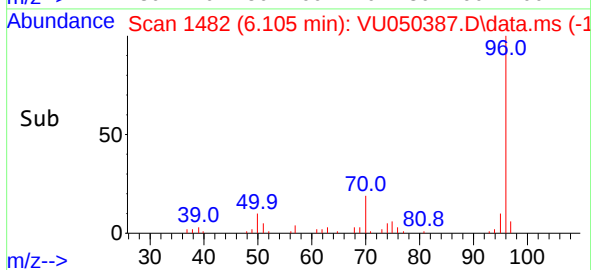
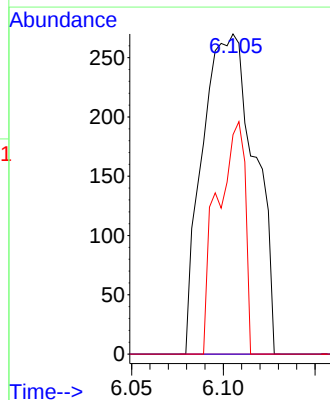
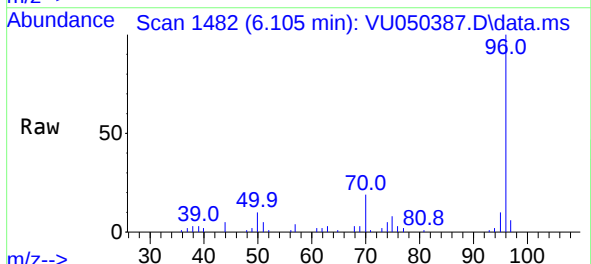
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

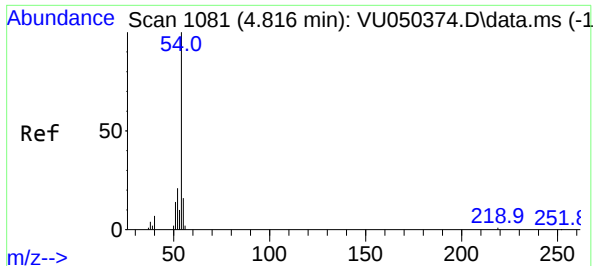
Tgt Ion: 59 Resp: 86
Ion Ratio Lower Upper
59 100
87 0.0 32.5 48.7#



#33
Tert-Amyl methyl ether
Concen: 0.031 ug/l
RT: 6.105 min Scan# 1482
Delta R.T. 0.145 min
Lab File: VU050387.D
Acq: 20 Aug 2022 00:09

Tgt Ion: 73 Resp: 533
Ion Ratio Lower Upper
73 100
87 0.0 19.7 29.5#
71 38.8 9.0 13.4#



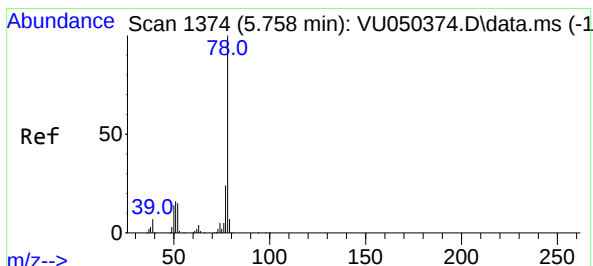
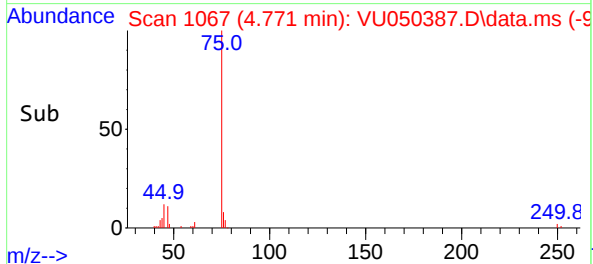
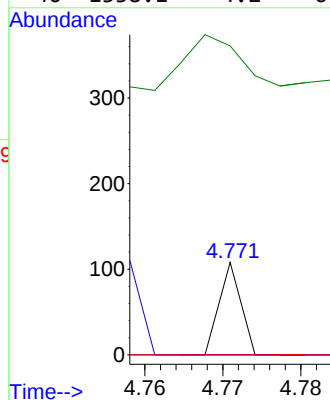
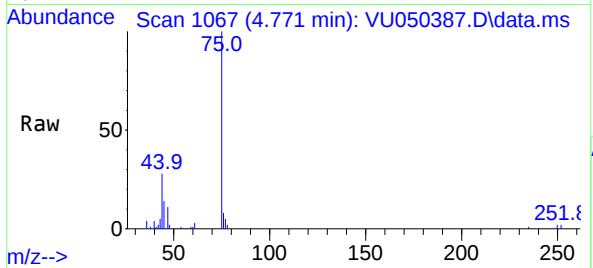


#34
 Propionitrile
 Concen: 0.022 ug/l
 RT: 4.771 min Scan# 1067
 Delta R.T. -0.045 min
 Lab File: VU050387.D
 Acq: 20 Aug 2022 00:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK

Tgt Ion: 54 Resp: 21

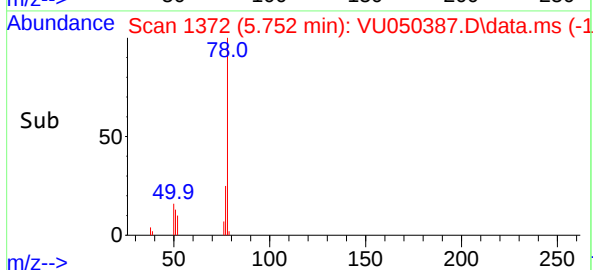
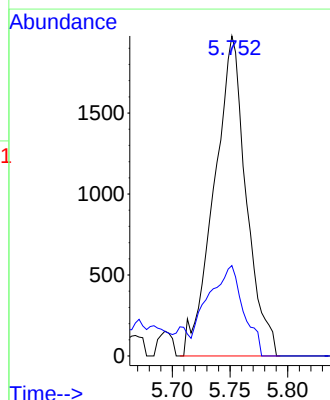
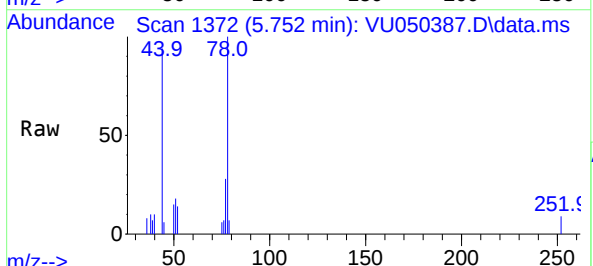
Ion	Ratio	Lower	Upper
54	100		
52	428.6	15.0	22.6#
55	0.0	12.6	19.0#
40	1338.1	4.2	6.4#

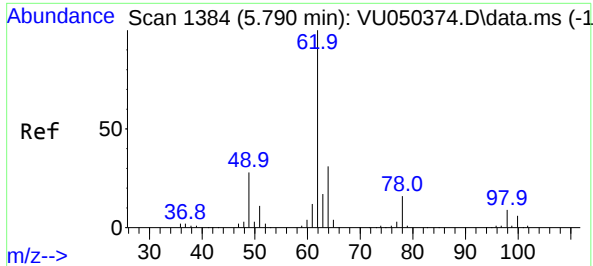


#35
 Benzene
 Concen: 0.091 ug/l
 RT: 5.752 min Scan# 1372
 Delta R.T. -0.006 min
 Lab File: VU050387.D
 Acq: 20 Aug 2022 00:09

Tgt Ion: 78 Resp: 3811

Ion	Ratio	Lower	Upper
78	100		
77	26.3	18.6	28.0

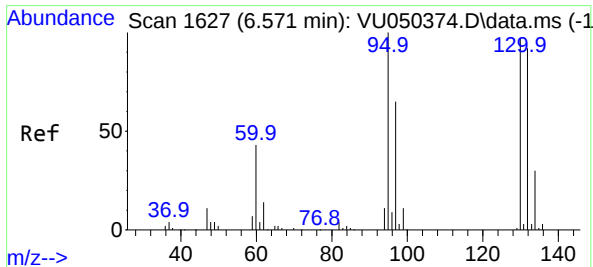
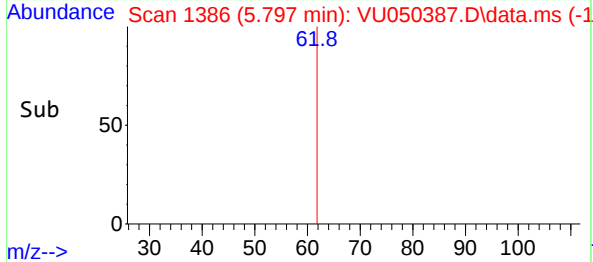
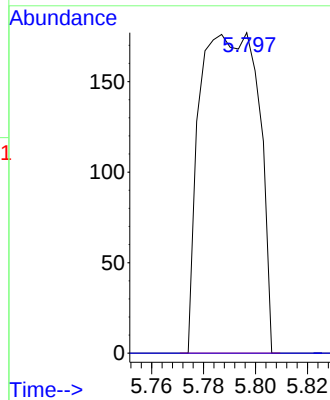
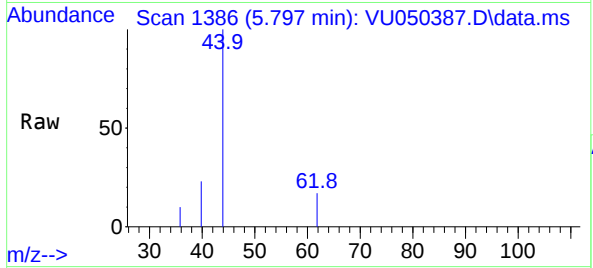




#36
 1,2-Dichloroethane
 Concen: 0.022 ug/l
 RT: 5.797 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VU050387.D
 Acq: 20 Aug 2022 00:09

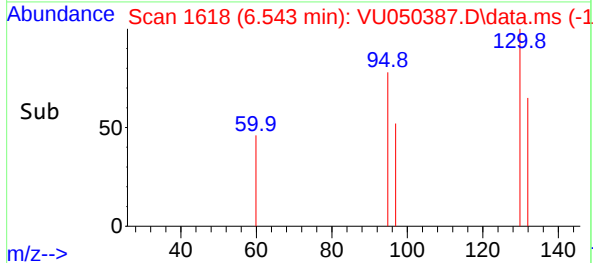
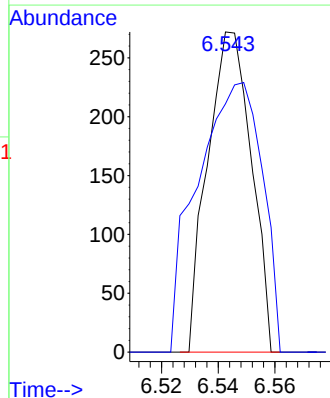
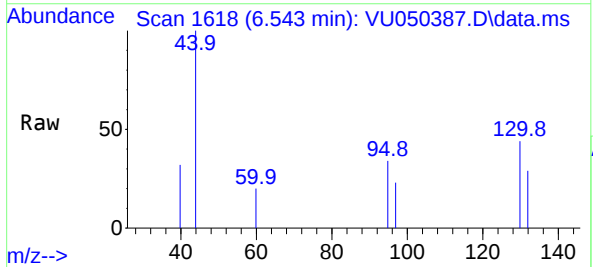
Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK

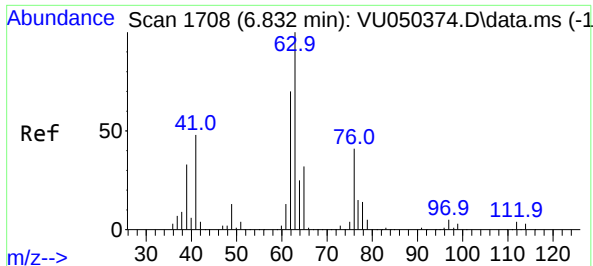
Tgt Ion: 62 Resp: 276
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.4 11.0#



#37
 Trichloroethene
 Concen: 0.029 ug/l
 RT: 6.543 min Scan# 1618
 Delta R.T. -0.029 min
 Lab File: VU050387.D
 Acq: 20 Aug 2022 00:09

Tgt Ion:130 Resp: 291
 Ion Ratio Lower Upper
 130 100
 95 77.6 83.8 125.8#

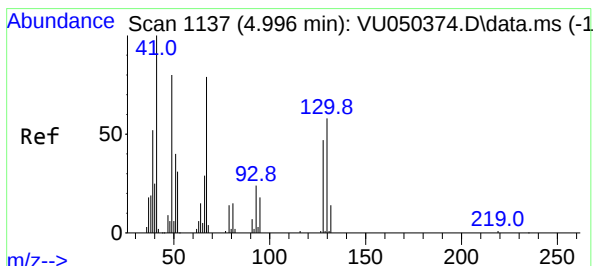
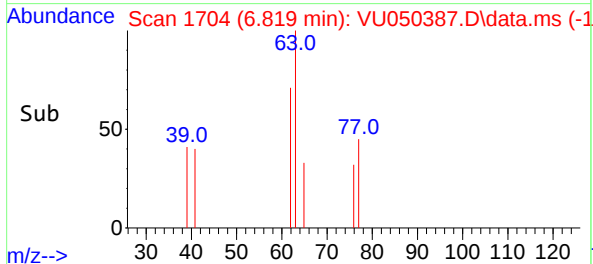
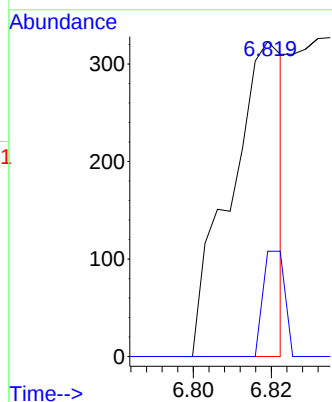
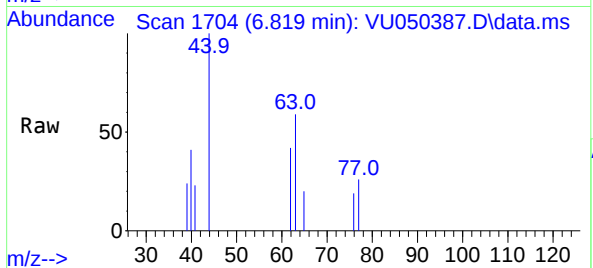




#38
1,2-Dichloropropane
Concen: 0.027 ug/l
RT: 6.819 min Scan# 1
Delta R.T. -0.013 min
Lab File: VU050387.D
Acq: 20 Aug 2022 00:09

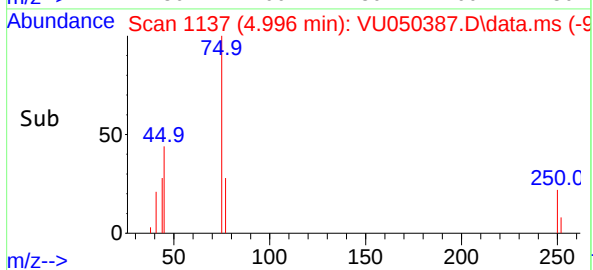
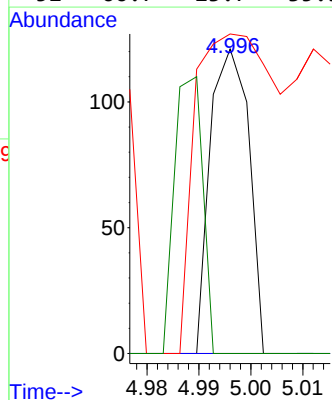
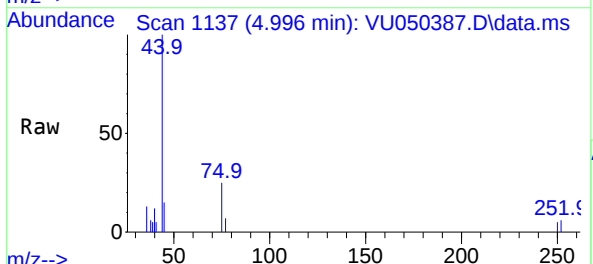
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

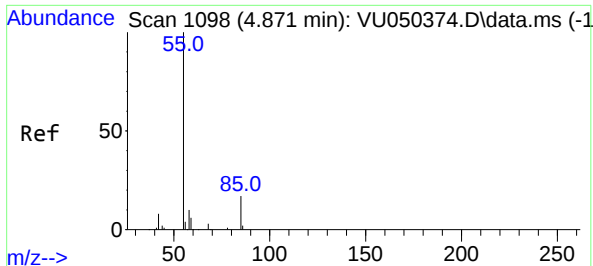
Tgt Ion: 63 Resp: 302
Ion Ratio Lower Upper
63 100
65 33.4 25.0 37.4



#39
Methacrylonitrile
Concen: 0.016 ug/l
RT: 4.996 min Scan# 1137
Delta R.T. 0.000 min
Lab File: VU050387.D
Acq: 20 Aug 2022 00:09

Tgt Ion: 41 Resp: 63
Ion Ratio Lower Upper
41 100
67 0.0 59.4 89.0#
39 215.9 42.2 63.2#
52 66.7 23.7 35.5#

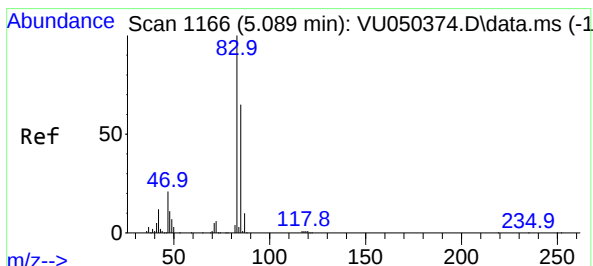
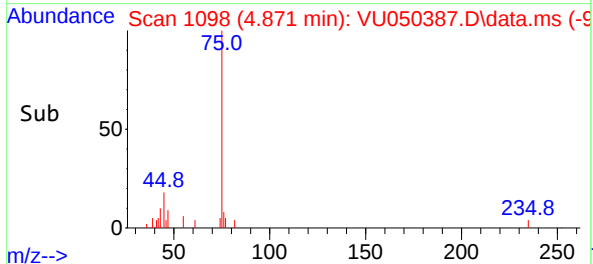
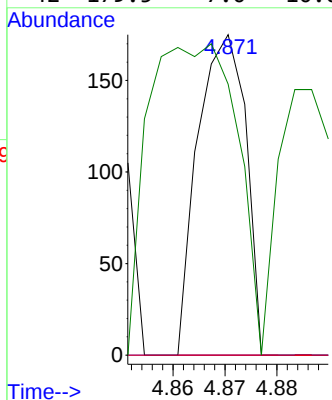
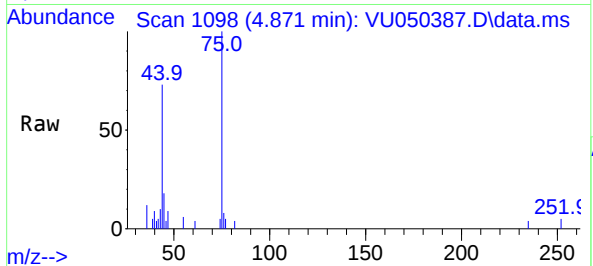




#40
Methyl acrylate
Concen: 0.018 ug/l
RT: 4.871 min Scan# 1098
Delta R.T. 0.000 min
Lab File: VU050387.D
Acq: 20 Aug 2022 00:09

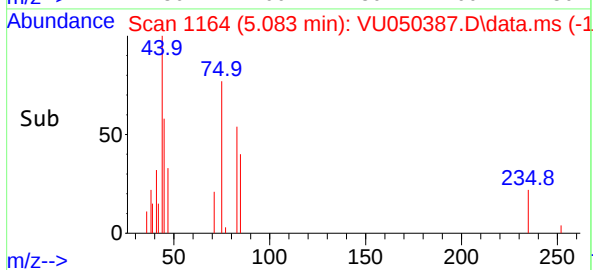
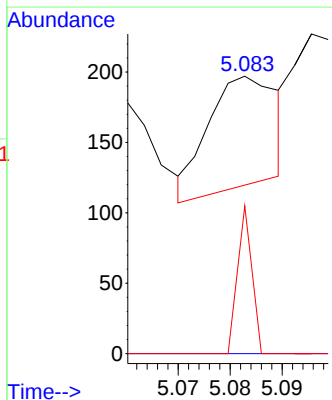
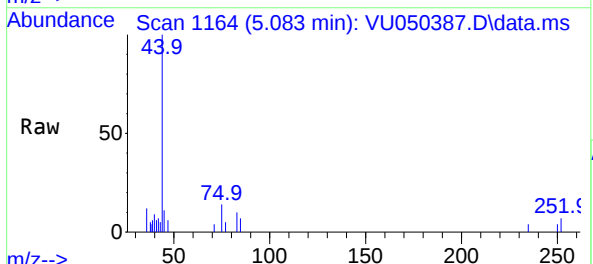
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

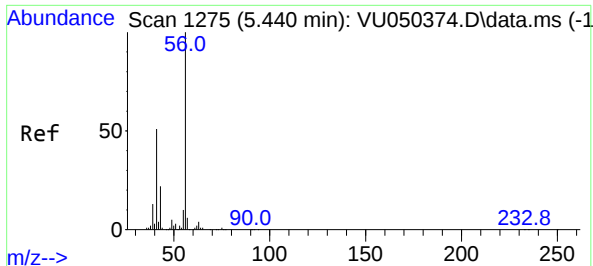
Tgt Ion:	55	Resp:	112
Ion	Ratio	Lower	Upper
55	100		
85	0.0	13.5	20.3#
58	0.0	7.0	10.4#
42	179.5	7.0	10.6#



#41
Tetrahydrofuran
Concen: 0.036 ug/l
RT: 5.083 min Scan# 1164
Delta R.T. -0.006 min
Lab File: VU050387.D
Acq: 20 Aug 2022 00:09

Tgt Ion:	42	Resp:	72
Ion	Ratio	Lower	Upper
42	100		
72	0.0	38.9	58.3#
71	27.8	33.7	50.5#





#42

1-Chlorobutane

Concen: 0.003 ug/l

RT: 5.436 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU050387.D

Acq: 20 Aug 2022 00:09

Instrument :

MSVOA_U

ClientSampleId :

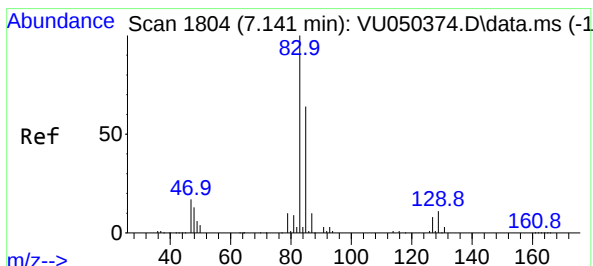
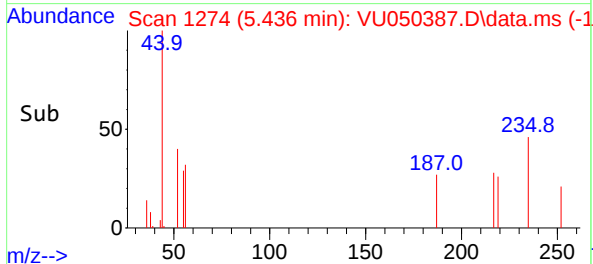
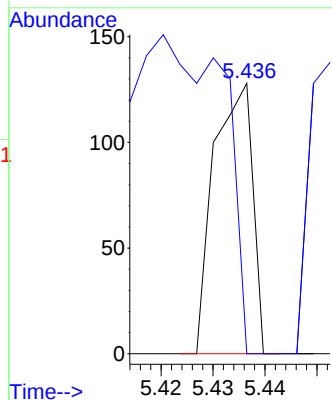
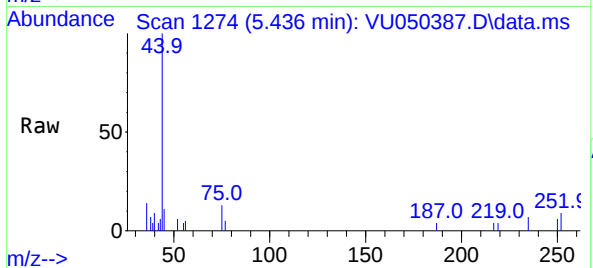
VIBLK

Tgt Ion: 56 Resp: 66

Ion Ratio Lower Upper

56 100

41 186.4 26.4 79.2#



#44

Bromodichloromethane

Concen: 0.055 ug/l

RT: 7.141 min Scan# 1804

Delta R.T. 0.000 min

Lab File: VU050387.D

Acq: 20 Aug 2022 00:09

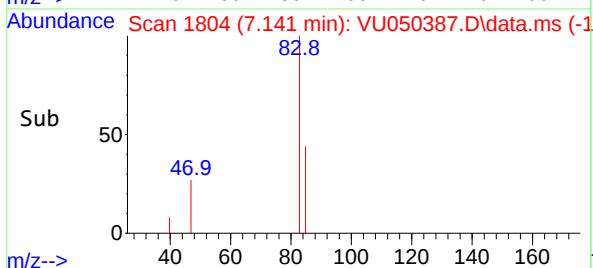
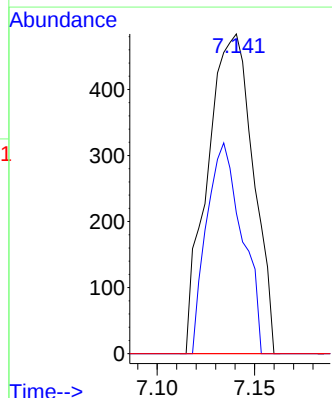
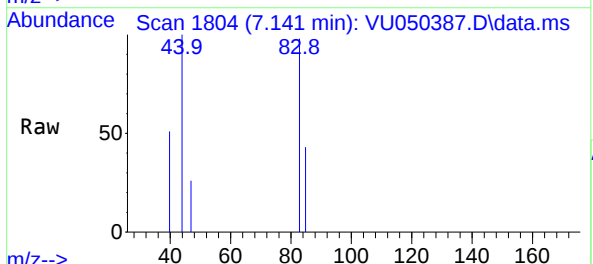
Tgt Ion: 83 Resp: 790

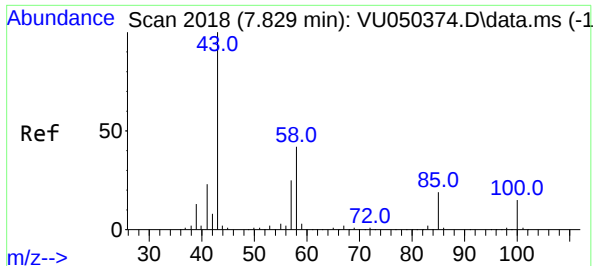
Ion Ratio Lower Upper

83 100

85 44.0 49.4 74.0#

127 0.0 6.6 10.0#





#45

4-Methyl-2-Pentanone

Concen: 0.066 ug/l

RT: 7.838 min Scan# 2018

Delta R.T. 0.010 min

Lab File: VU050387.D

Acq: 20 Aug 2022 00:09

Instrument :

MSVOA_U

ClientSampleId :

VIBLK

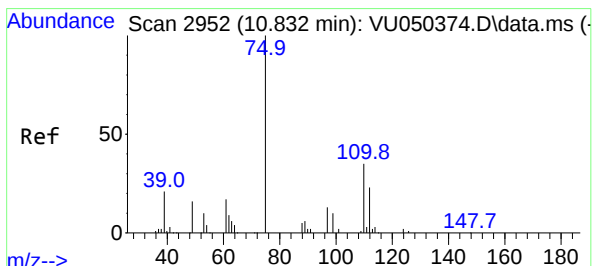
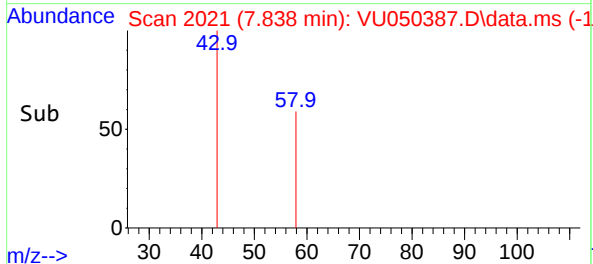
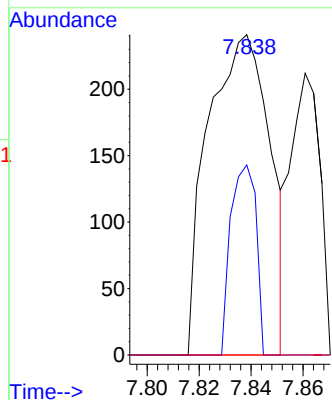
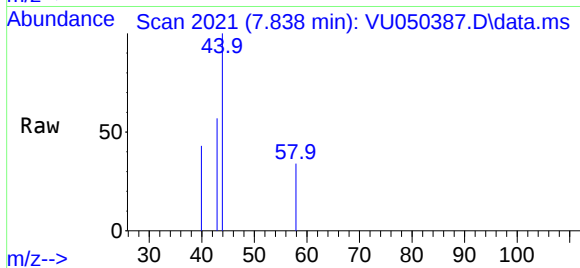
Tgt Ion: 43 Resp: 398

Ion Ratio Lower Upper

43 100

58 24.4 20.3 61.0

85 0.0 14.6 21.8#



#46

t-1,4-Dichloro-2-butene

Concen: 1.670 ug/l

RT: 10.639 min Scan# 2892

Delta R.T. -0.193 min

Lab File: VU050387.D

Acq: 20 Aug 2022 00:09

Tgt Ion: 75 Resp: 4269

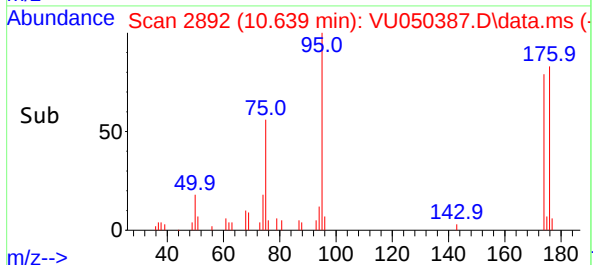
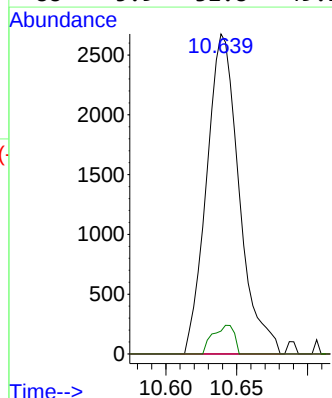
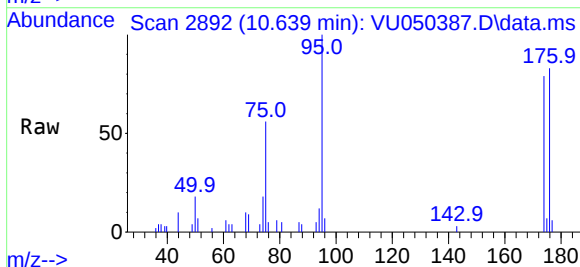
Ion Ratio Lower Upper

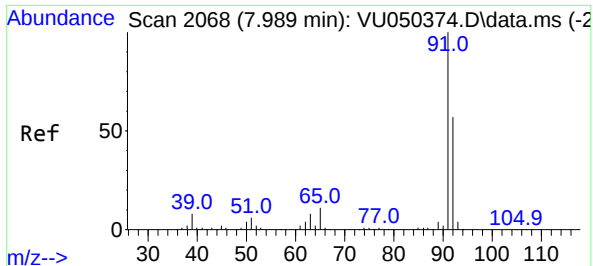
75 100

53 0.0 64.4 96.6#

89 0.0 44.2 66.2#

88 5.9 32.8 49.2#





#49

Toluene

Concen: 0.065 ug/l

RT: 7.989 min Scan# 2068

Delta R.T. 0.000 min

Lab File: VU050387.D

Acq: 20 Aug 2022 00:09

Instrument :

MSVOA_U

ClientSampleId :

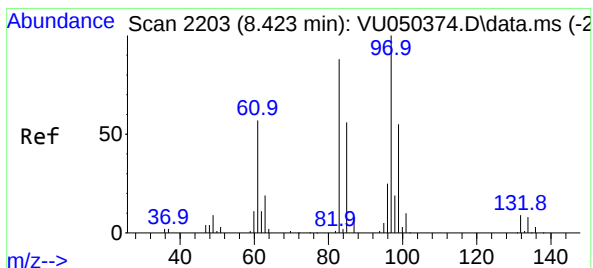
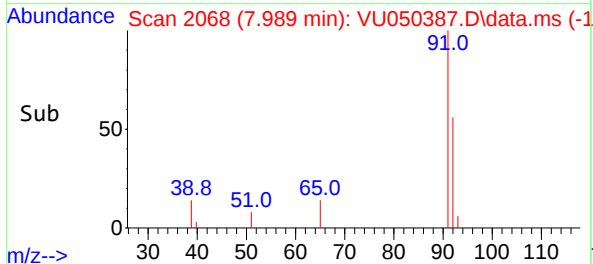
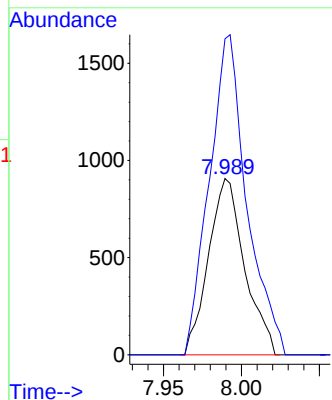
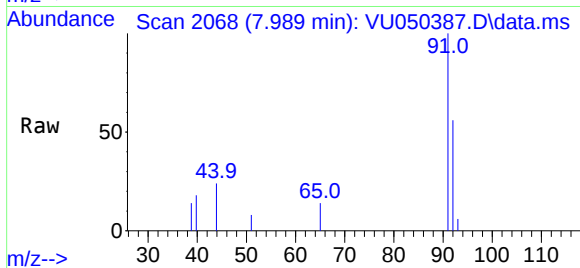
VIBLK

Tgt Ion: 92 Resp: 1461

Ion Ratio Lower Upper

92 100

91 188.1 138.6 207.8



#52

1,1,2-Trichloroethane

Concen: 0.057 ug/l

RT: 8.417 min Scan# 2201

Delta R.T. -0.006 min

Lab File: VU050387.D

Acq: 20 Aug 2022 00:09

Tgt Ion: 97 Resp: 511

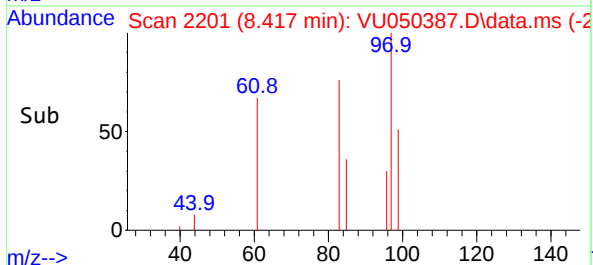
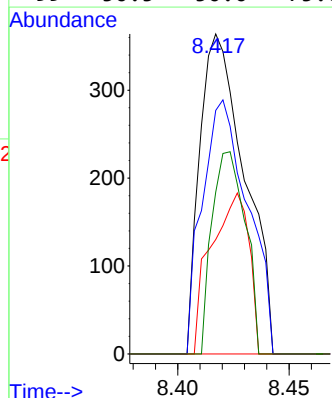
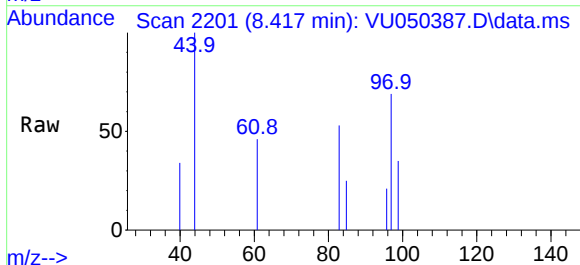
Ion Ratio Lower Upper

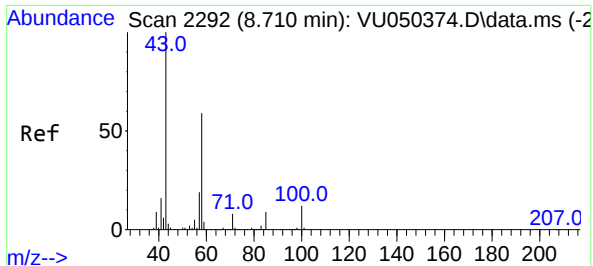
97 100

83 76.1 70.6 106.0

85 35.7 46.2 69.4#

99 50.5 50.0 75.0





#54

2-Hexanone

Concen: 0.027 ug/l

RT: 8.716 min Scan# 21

Delta R.T. 0.006 min

Lab File: VU050387.D

Acq: 20 Aug 2022 00:09

Instrument :

MSVOA_U

ClientSampleId :

VIBLK

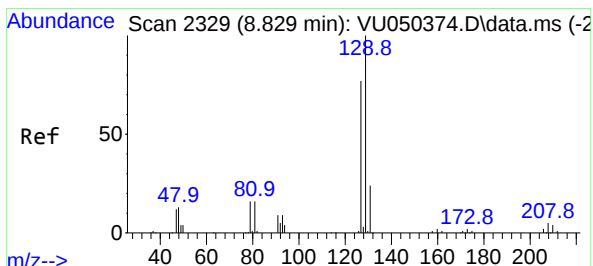
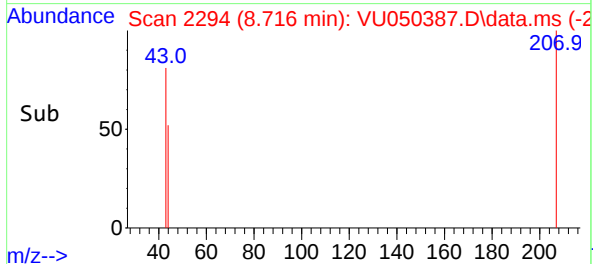
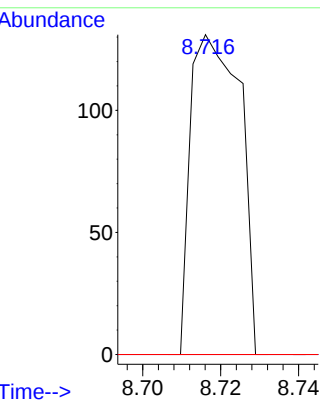
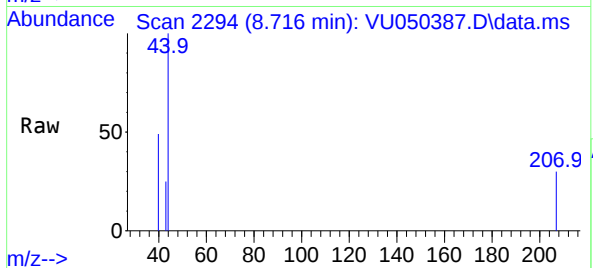
Tgt Ion: 43 Resp: 115

Ion Ratio Lower Upper

43 100

58 0.0 37.1 77.1#

57 0.0 0.0 39.5



#55

Dibromochloromethane

Concen: 0.023 ug/l

RT: 8.832 min Scan# 2330

Delta R.T. 0.003 min

Lab File: VU050387.D

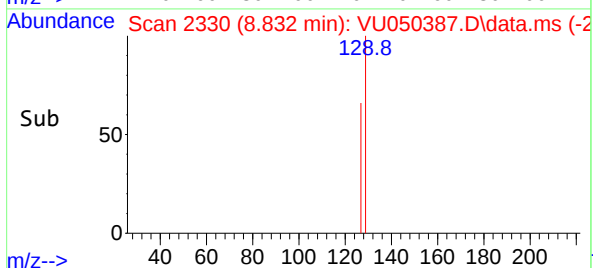
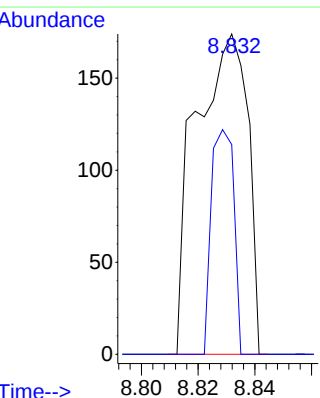
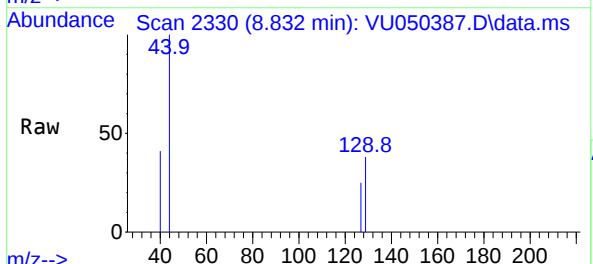
Acq: 20 Aug 2022 00:09

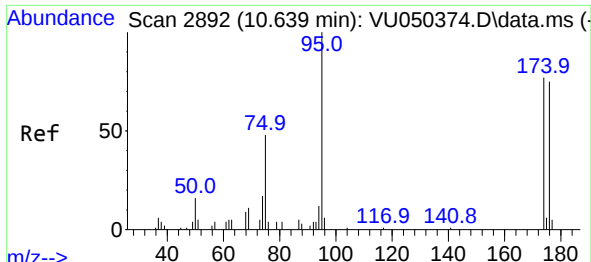
Tgt Ion: 129 Resp: 221

Ion Ratio Lower Upper

129 100

127 30.3 61.2 91.8#

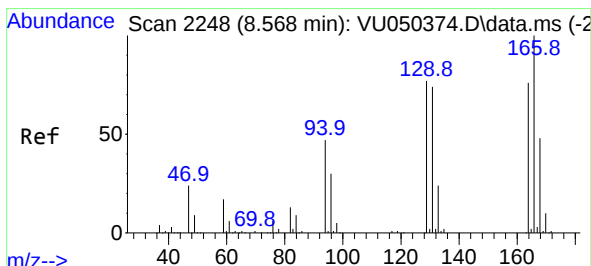
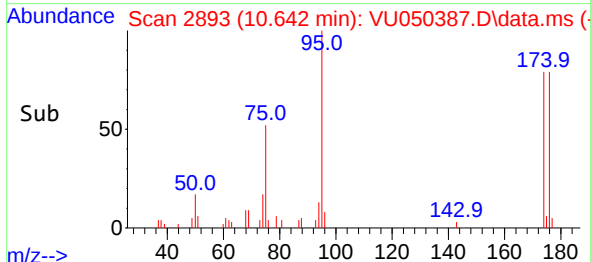
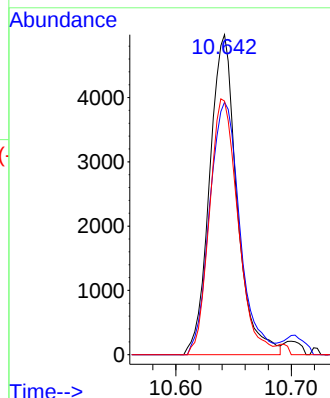
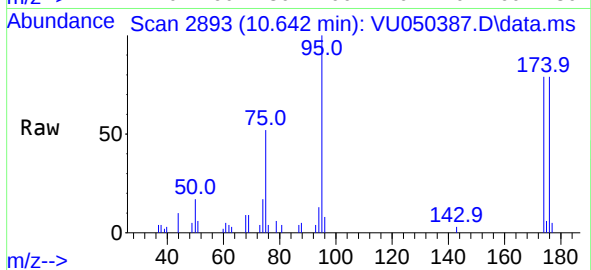




#57
4-Bromofluorobenzene
Concen: 0.710 ug/l
RT: 10.642 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU050387.D
Acq: 20 Aug 2022 00:09

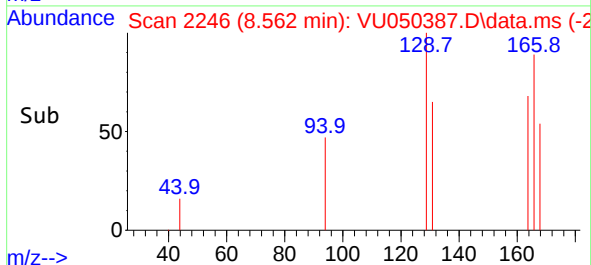
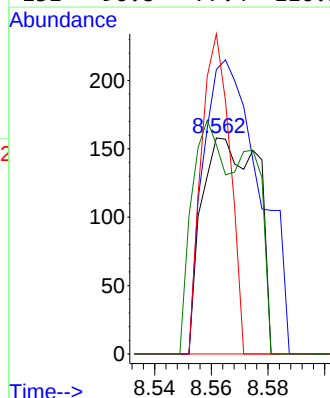
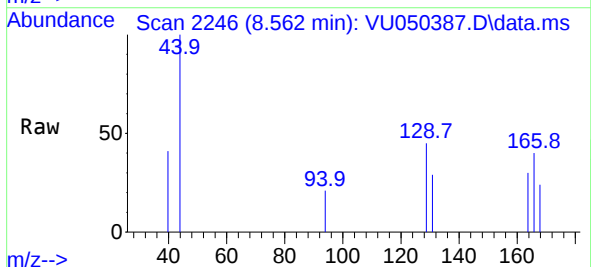
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

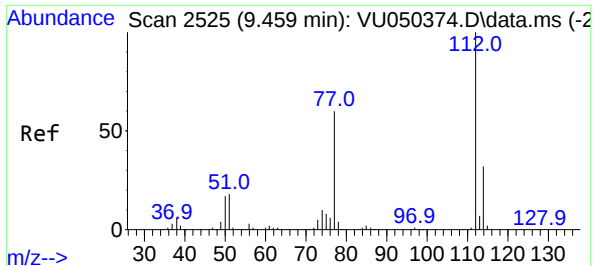
Tgt Ion: 95 Resp: 8183
Ion Ratio Lower Upper
95 100
174 87.1 62.4 93.6
176 83.0 56.2 84.2



#58
Tetrachloroethene
Concen: 0.023 ug/l
RT: 8.562 min Scan# 2246
Delta R.T. -0.006 min
Lab File: VU050387.D
Acq: 20 Aug 2022 00:09

Tgt Ion: 164 Resp: 214
Ion Ratio Lower Upper
164 100
166 131.6 102.4 153.6
129 148.1 79.5 119.3#
131 96.8 77.4 116.2

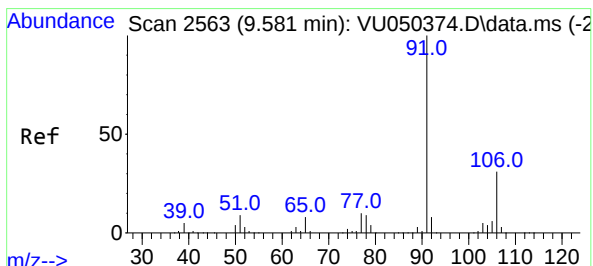
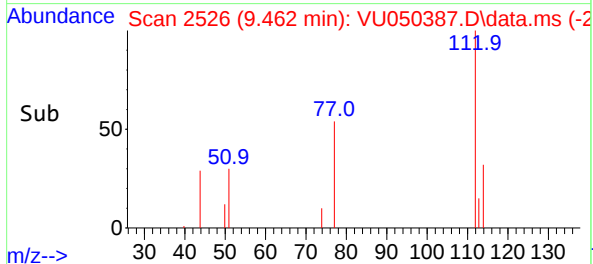
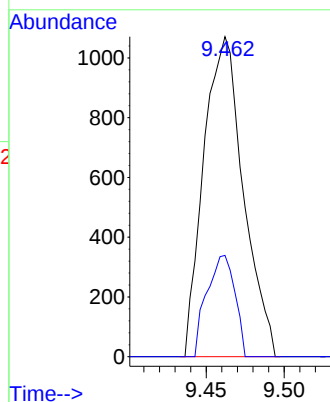
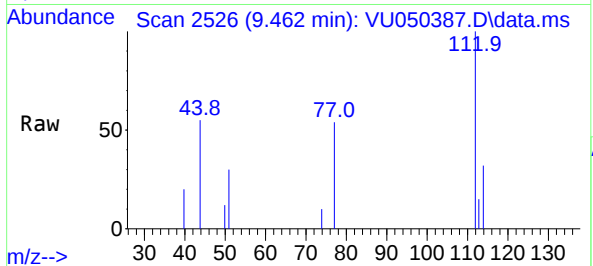




#59
Chlorobenzene
Concen: 0.078 ug/l
RT: 9.462 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU050387.D
Acq: 20 Aug 2022 00:09

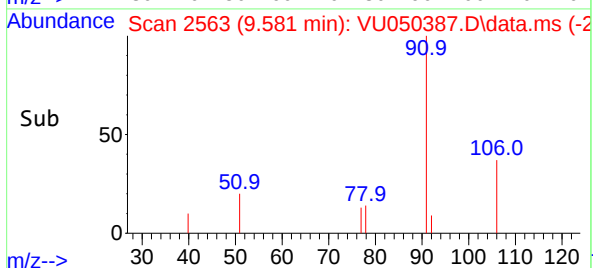
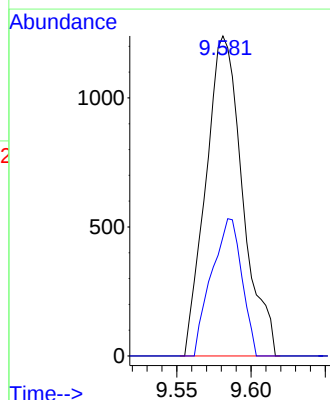
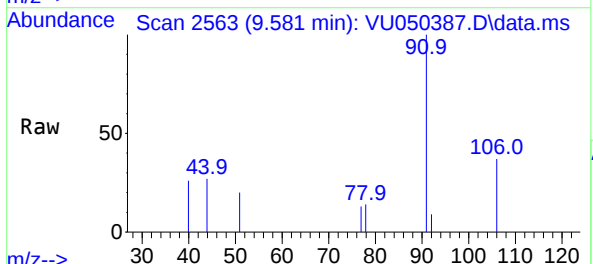
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

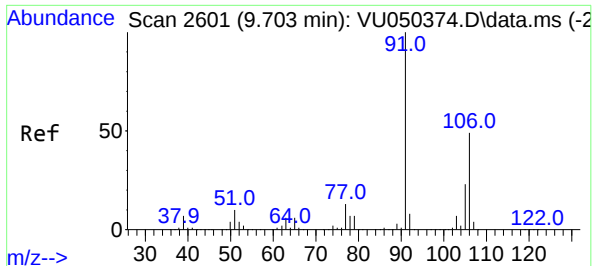
Tgt Ion:112 Resp: 1893
Ion Ratio Lower Upper
112 100
114 31.7 24.9 37.3



#63
Ethyl Benzene
Concen: 0.611 ug/l
RT: 9.581 min Scan# 2563
Delta R.T. 0.000 min
Lab File: VU050387.D
Acq: 20 Aug 2022 00:09

Tgt Ion: 91 Resp: 2133
Ion Ratio Lower Upper
91 100
106 37.2 24.4 36.6

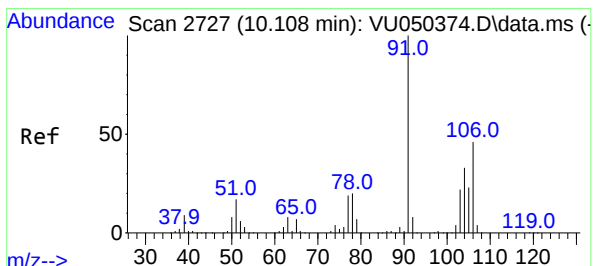
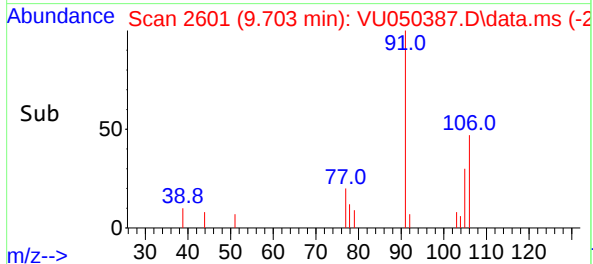
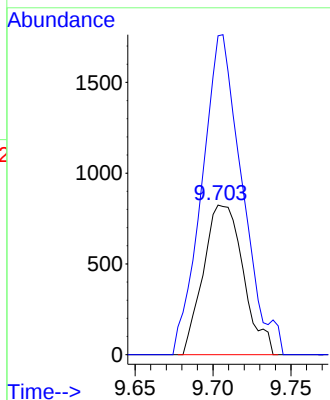
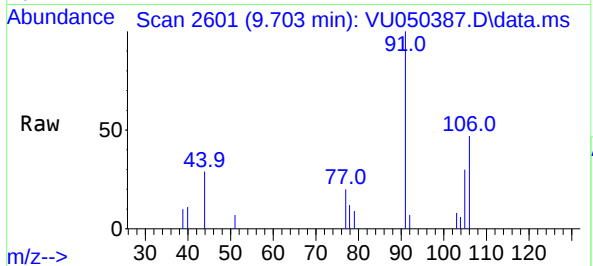




#64
m/p-Xylenes
Concen: 1.156 ug/l
RT: 9.703 min Scan# 2601
Delta R.T. 0.000 min
Lab File: VU050387.D
Acq: 20 Aug 2022 00:09

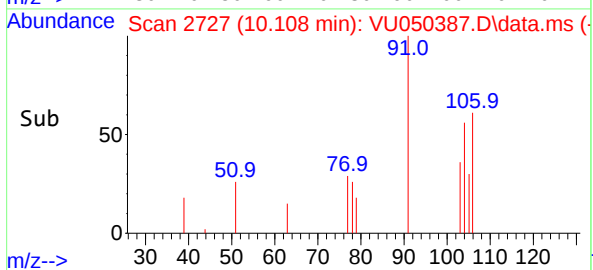
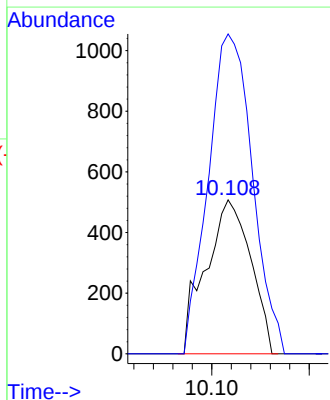
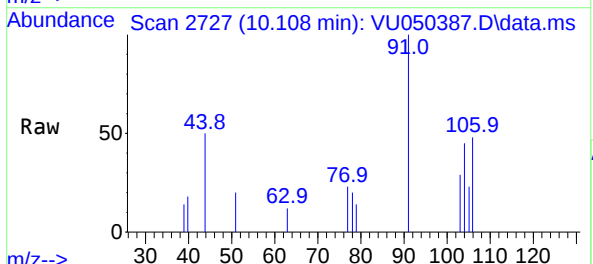
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

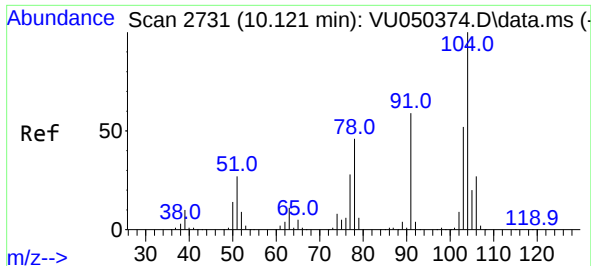
Tgt Ion:106 Resp: 1469
Ion Ratio Lower Upper
106 100
91 215.9 167.8 251.6



#65
o-Xylene
Concen: 0.554 ug/l
RT: 10.108 min Scan# 2727
Delta R.T. 0.000 min
Lab File: VU050387.D
Acq: 20 Aug 2022 00:09

Tgt Ion:106 Resp: 812
Ion Ratio Lower Upper
106 100
91 204.6 111.1 333.2

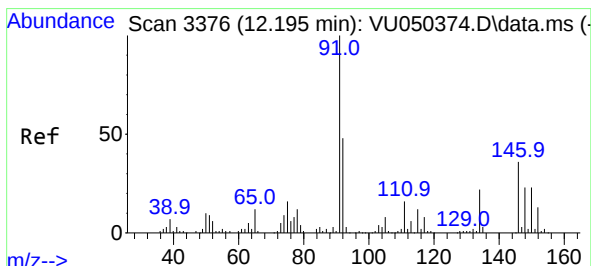
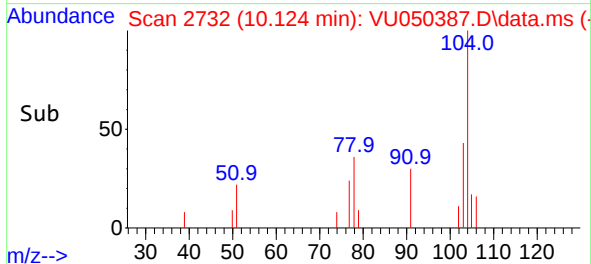
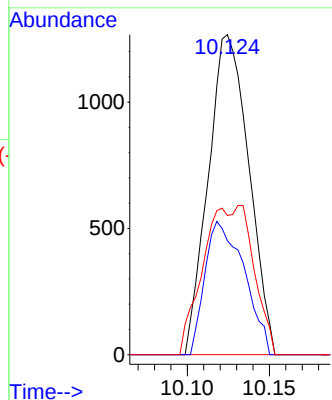
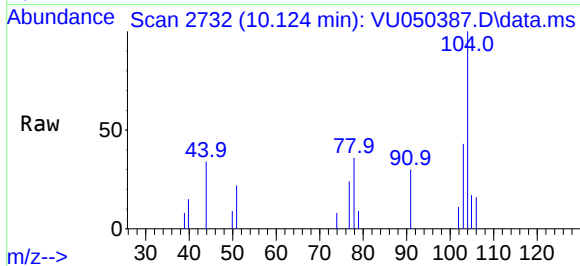




#66
Styrene
Concen: 0.664 ug/l
RT: 10.124 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU050387.D
Acq: 20 Aug 2022 00:09

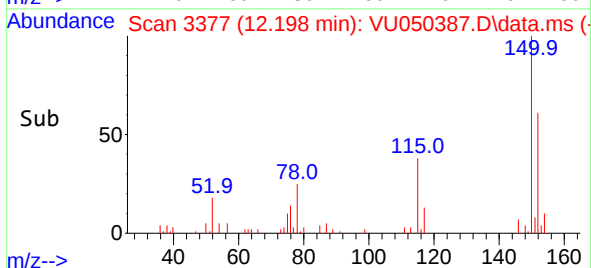
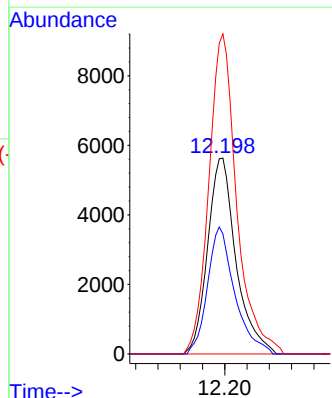
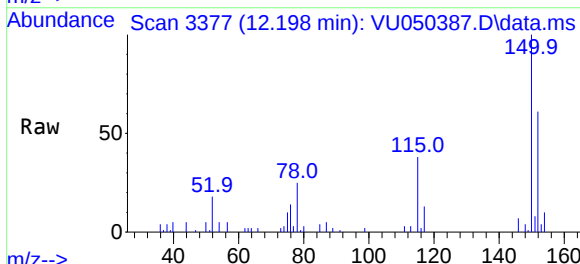
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

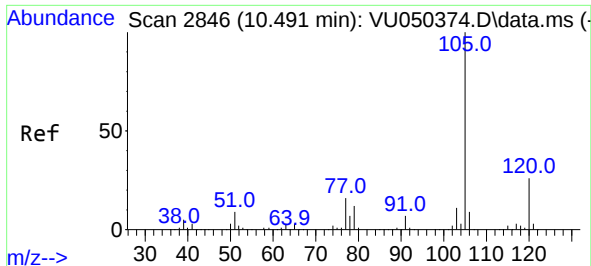
Tgt Ion:104 Resp: 2178
Ion Ratio Lower Upper
104 100
78 40.3 42.1 63.1#
103 30.8 44.5 66.7#



#68
1,2-Dichlorobenzene-d4
Concen: 0.733 ug/l
RT: 12.198 min Scan# 3377
Delta R.T. 0.003 min
Lab File: VU050387.D
Acq: 20 Aug 2022 00:09

Tgt Ion:152 Resp: 9986
Ion Ratio Lower Upper
152 100
115 61.9 0.0 254.6
150 159.8 0.0 623.6

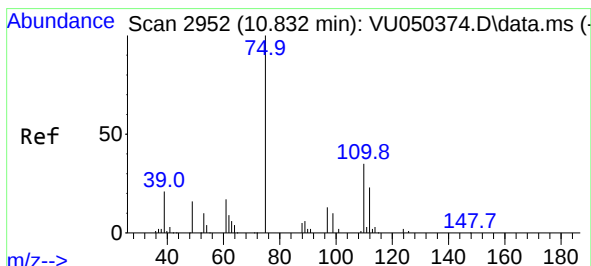
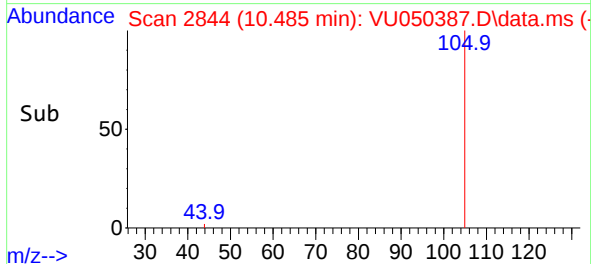
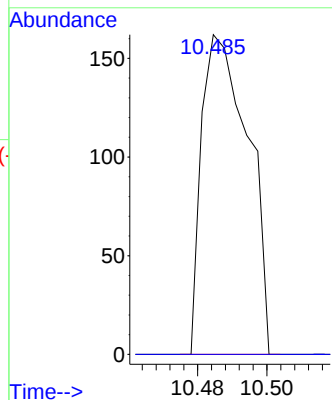
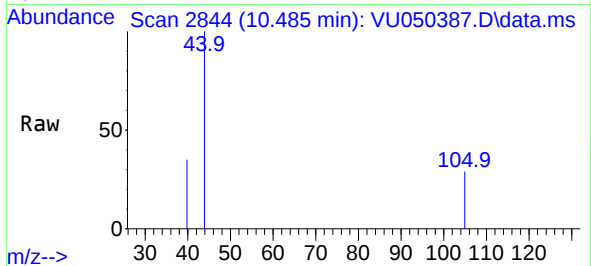




#69
Isopropylbenzene
Concen: 0.004 ug/l
RT: 10.485 min Scan# 2844
Delta R.T. -0.006 min
Lab File: VU050387.D
Acq: 20 Aug 2022 00:09

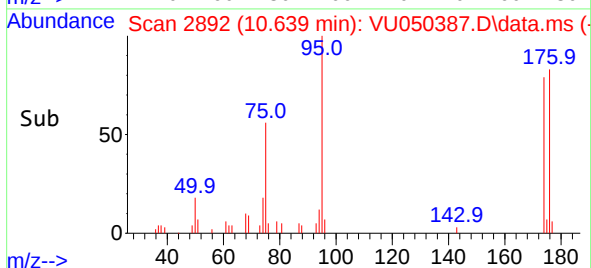
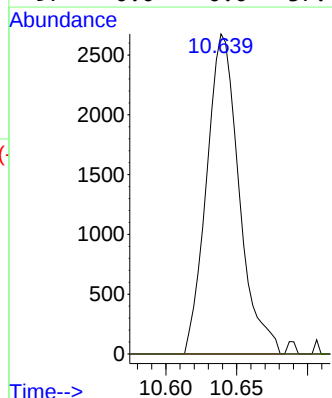
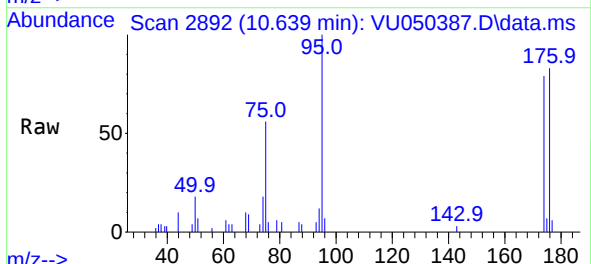
Instrument : MSVOA_U
ClientSampleId : VIBLK

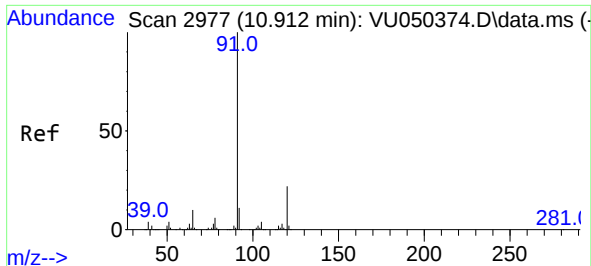
Tgt Ion:105 Resp: 151
Ion Ratio Lower Upper
105 100
120 0.0 12.6 37.8#



#71
1,2,3-Trichloropropane
Concen: 0.464 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.193 min
Lab File: VU050387.D
Acq: 20 Aug 2022 00:09

Tgt Ion: 75 Resp: 4269
Ion Ratio Lower Upper
75 100
77 1.7 0.0 112.4
110 0.0 0.0 70.6
97 0.0 0.0 37.4

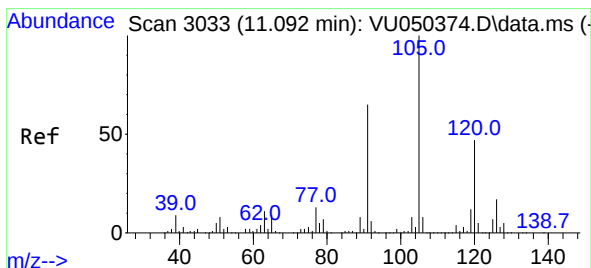
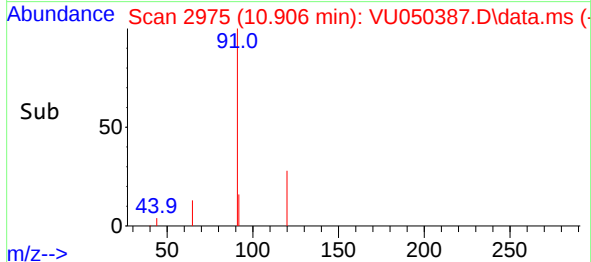
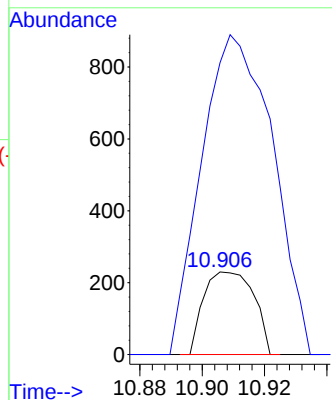
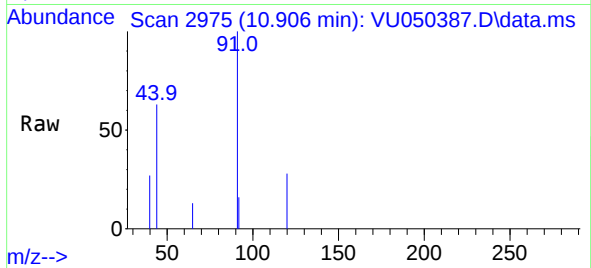




#73
n-propylbenzene
Concen: 0.610 ug/l
RT: 10.906 min Scan# 2975
Delta R.T. -0.006 min
Lab File: VU050387.D
Acq: 20 Aug 2022 00:09

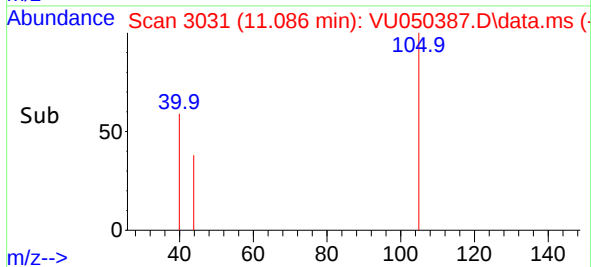
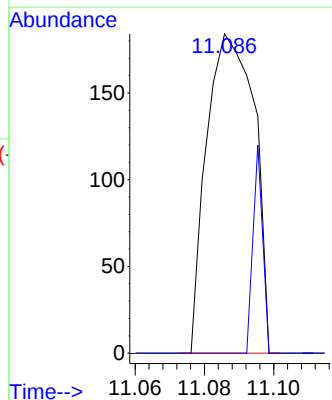
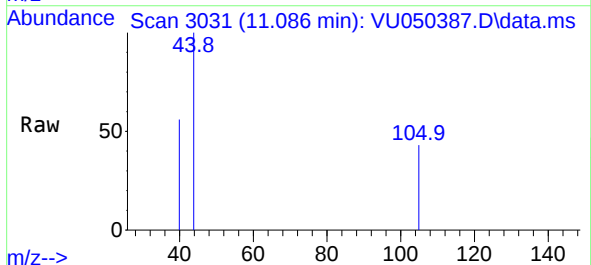
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

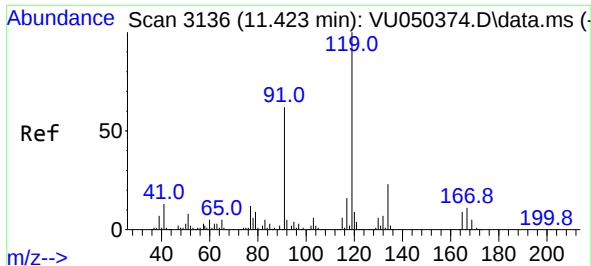
Tgt Ion:120 Resp: 257
Ion Ratio Lower Upper
120 100
91 549.0 367.8 551.6



#75
1,3,5-Trimethylbenzene
Concen: 0.528 ug/l
RT: 11.086 min Scan# 3031
Delta R.T. -0.006 min
Lab File: VU050387.D
Acq: 20 Aug 2022 00:09

Tgt Ion:105 Resp: 176
Ion Ratio Lower Upper
105 100
120 13.1 37.6 56.4#

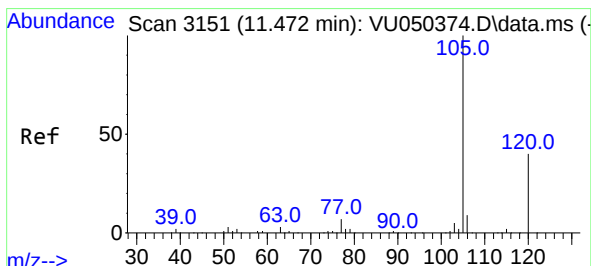
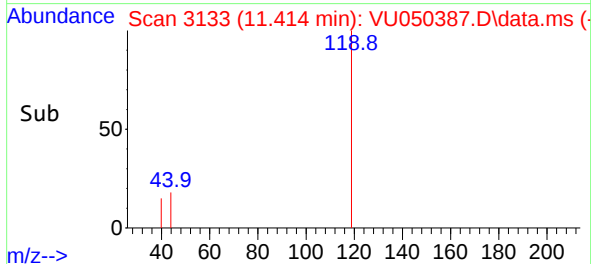
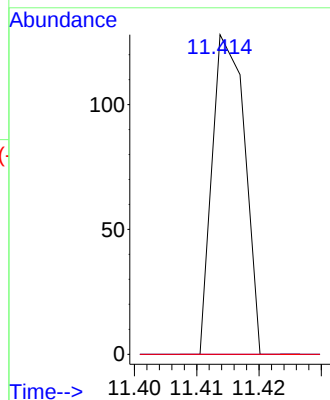
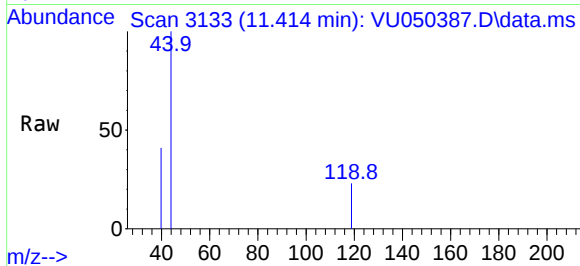




#77
tert-Butylbenzene
Concen: 0.495 ug/l
RT: 11.414 min Scan# 3133
Delta R.T. -0.009 min
Lab File: VU050387.D
Acq: 20 Aug 2022 00:09

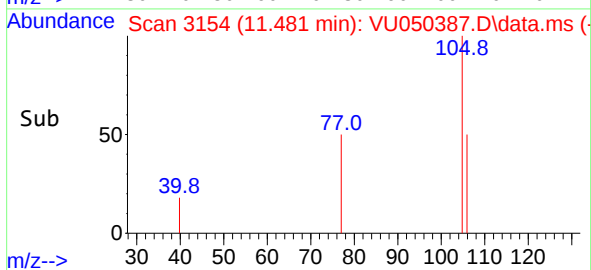
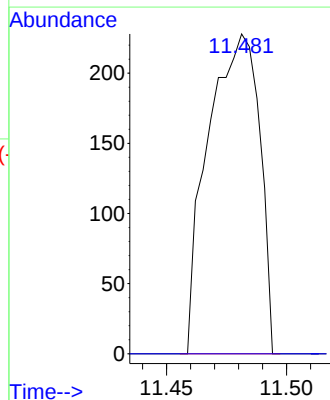
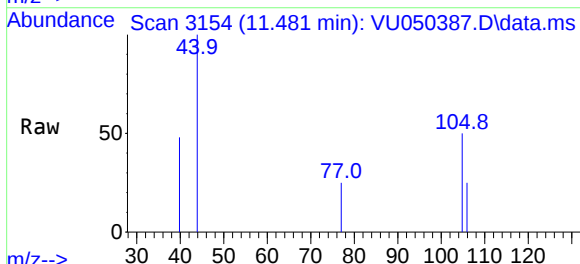
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

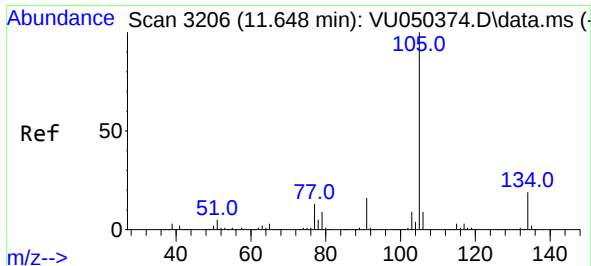
Tgt Ion:	119	Resp:	46
Ion	Ratio	Lower	Upper
119	100		
91	0.0	30.4	91.3#
134	0.0	17.8	26.6#



#78
1,2,4-Trimethylbenzene
Concen: 0.573 ug/l
RT: 11.481 min Scan# 3154
Delta R.T. 0.009 min
Lab File: VU050387.D
Acq: 20 Aug 2022 00:09

Tgt Ion:	105	Resp:	339
Ion	Ratio	Lower	Upper
105	100		
120	0.0	21.6	65.0#

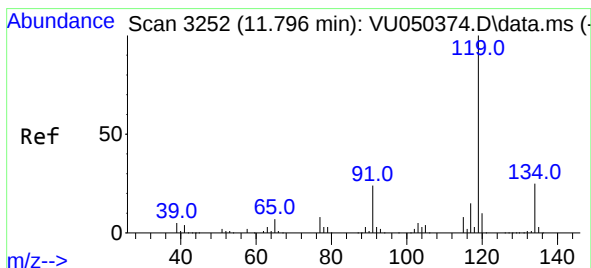
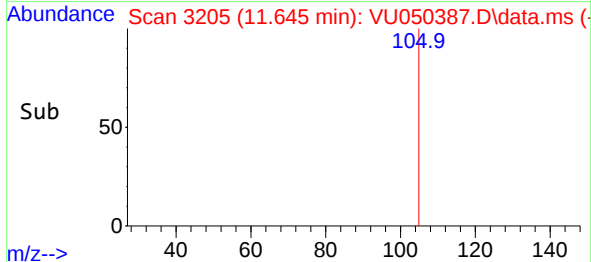
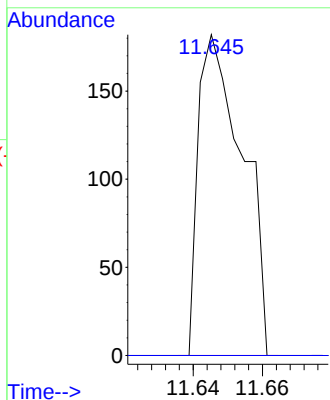
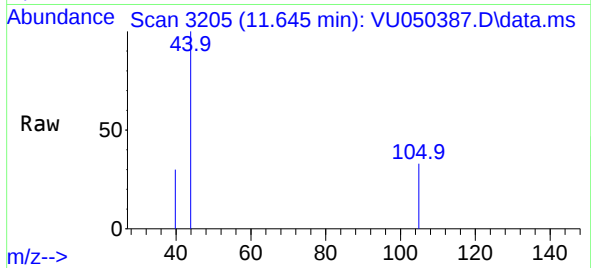




#79
 sec-Butylbenzene
 Concen: 0.552 ug/l
 RT: 11.645 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VU050387.D
 Acq: 20 Aug 2022 00:09

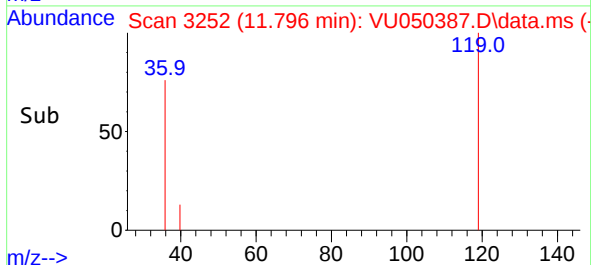
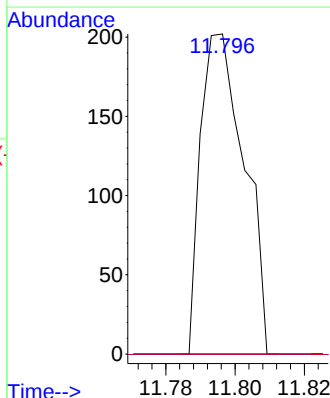
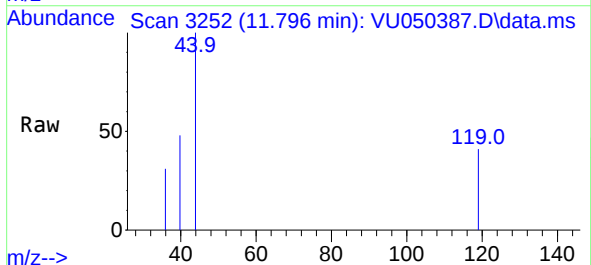
Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK

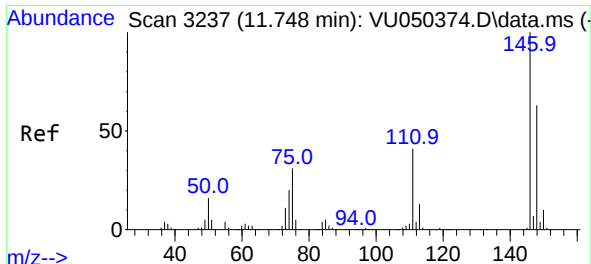
Tgt Ion:105 Resp: 161
 Ion Ratio Lower Upper
 105 100
 134 0.0 15.4 23.0#



#81
 p-Isopropyltoluene
 Concen: 0.005 ug/l
 RT: 11.796 min Scan# 3252
 Delta R.T. 0.000 min
 Lab File: VU050387.D
 Acq: 20 Aug 2022 00:09

Tgt Ion:119 Resp: 177
 Ion Ratio Lower Upper
 119 100
 134 0.0 20.5 30.7#
 91 0.0 19.8 29.6#





#82

1,3-Dichlorobenzene

Concen: 0.371 ug/l

RT: 11.841 min Scan# 3266

Delta R.T. 0.093 min

Lab File: VU050387.D

Acq: 20 Aug 2022 00:09

Instrument :

MSVOA_U

ClientSampleId :

VIBLK

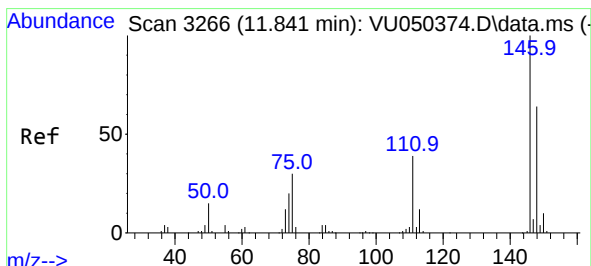
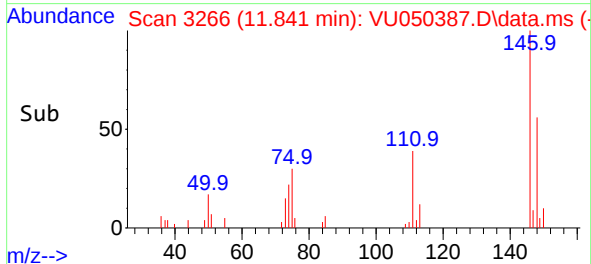
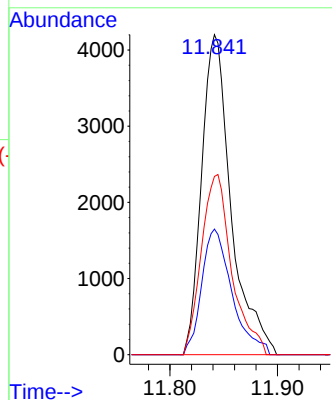
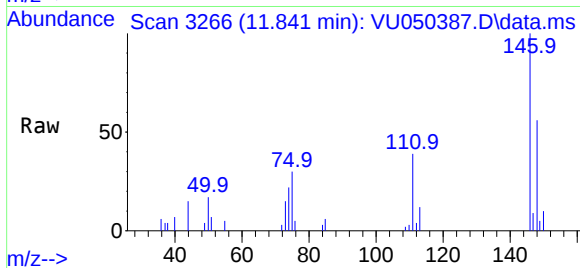
Tgt Ion:146 Resp: 8003

Ion Ratio Lower Upper

146 100

111 40.4 33.4 50.2

148 58.2 51.2 76.8



#83

1,4-Dichlorobenzene

Concen: 0.374 ug/l

RT: 11.841 min Scan# 3266

Delta R.T. 0.000 min

Lab File: VU050387.D

Acq: 20 Aug 2022 00:09

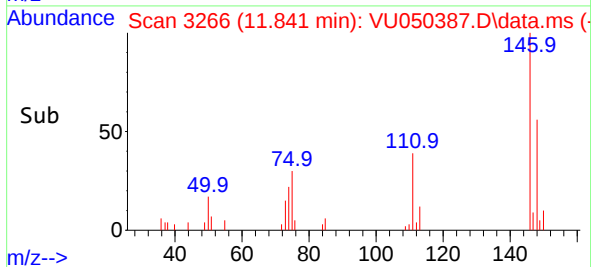
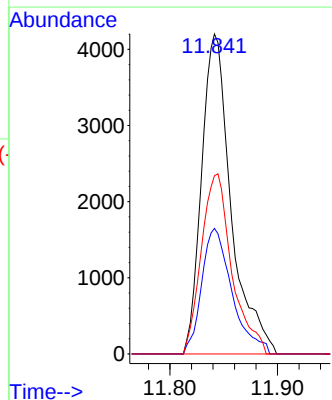
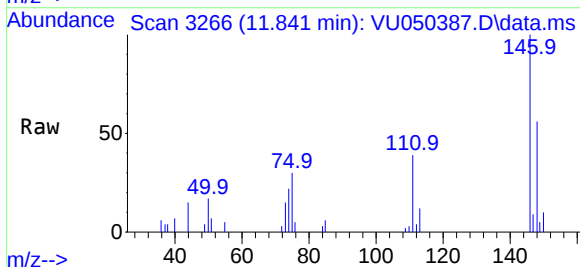
Tgt Ion:146 Resp: 8003

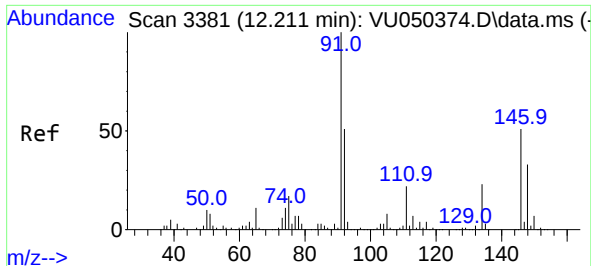
Ion Ratio Lower Upper

146 100

111 40.4 32.6 49.0

148 58.2 51.6 77.4

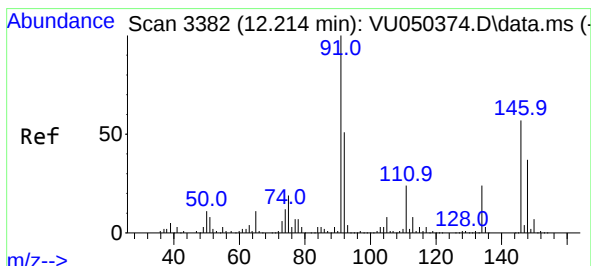
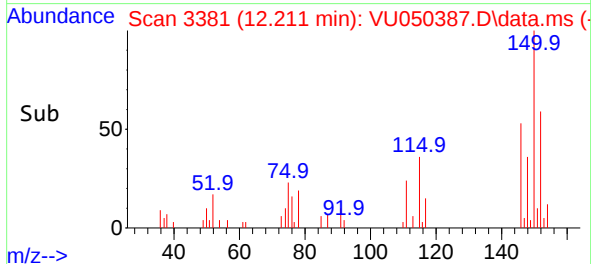
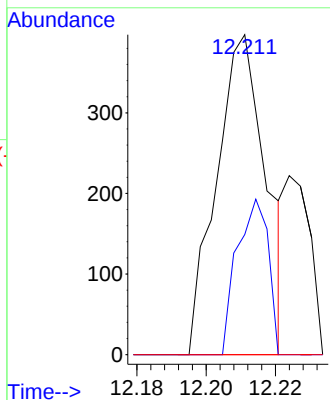
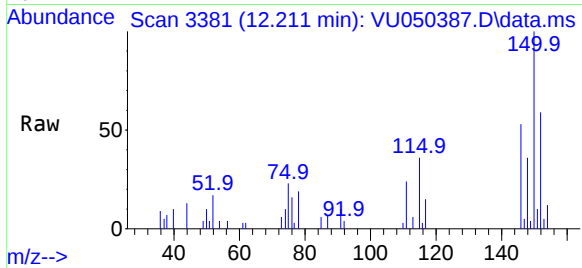




#84
n-Butylbenzene
Concen: 0.596 ug/l
RT: 12.211 min Scan# 3381
Delta R.T. 0.000 min
Lab File: VU050387.D
Acq: 20 Aug 2022 00:09

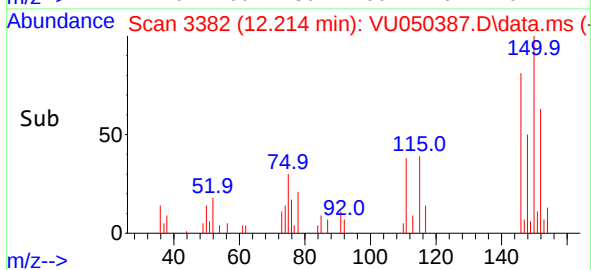
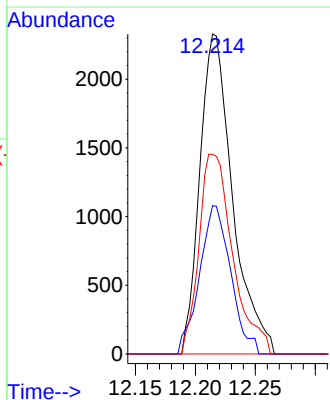
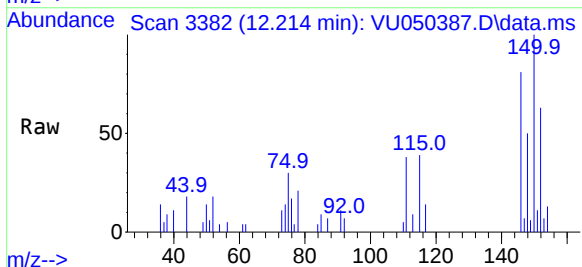
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

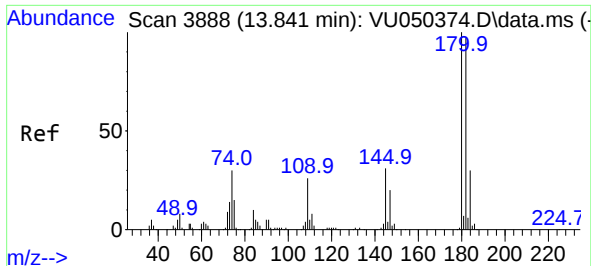
Tgt Ion:	91	Resp:	393
Ion	Ratio	Lower	Upper
91	100		
92	30.5	42.3	63.5#
134	0.0	19.6	29.4#



#85
1,2-Dichlorobenzene
Concen: 0.209 ug/l
RT: 12.214 min Scan# 3382
Delta R.T. 0.000 min
Lab File: VU050387.D
Acq: 20 Aug 2022 00:09

Tgt Ion:	146	Resp:	4427
Ion	Ratio	Lower	Upper
146	100		
111	44.0	22.1	66.1
148	64.4	32.1	96.3

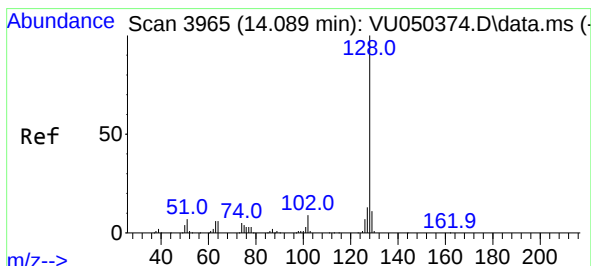
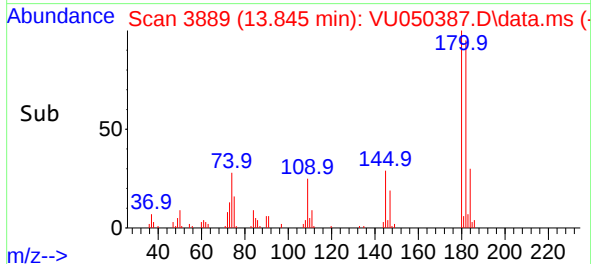
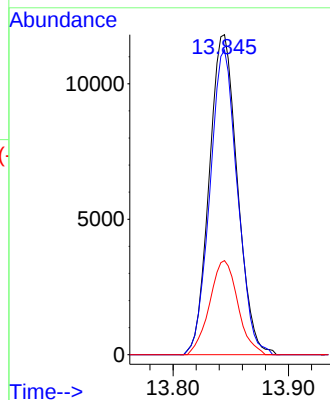
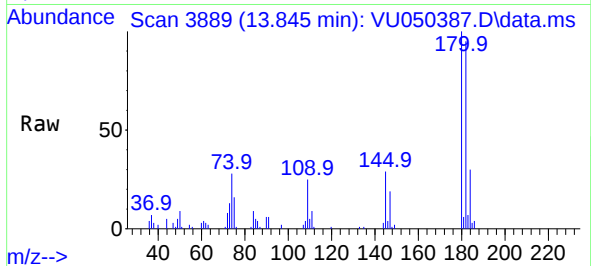




#87
1,2,4-Trichlorobenzene
Concen: 1.655 ug/l
RT: 13.845 min Scan# 3888
Delta R.T. 0.003 min
Lab File: VU050387.D
Acq: 20 Aug 2022 00:09

Instrument :
MSVOA_U
ClientSampleId :
VIBLK

Tgt Ion:	180	Resp:	20007
Ion Ratio	Lower	Upper	
180	100		
182	93.1	77.0	115.6
145	29.6	25.7	38.5



#89
Naphthalene
Concen: 1.176 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.003 min
Lab File: VU050387.D
Acq: 20 Aug 2022 00:09

Tgt Ion:	128	Resp:	7800
Ion Ratio	Lower	Upper	
128	100		
127	12.4	10.1	15.1
129	9.5	8.6	12.8

