

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100422\
 Data File : VU051111.D
 Acq On : 04 Oct 2022 17:08
 Operator : JC/MD
 Sample : N4816-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 05 02:49:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U100422DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Oct 05 02:45:21 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.115	96	47870	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	13490	0.858	ug/l	0.00
Spiked Amount 1.000			Recovery	=	86.000%	
68) 1,2-Dichlorobenzene-d4	12.192	152	14609	0.835	ug/l	0.00
Spiked Amount 1.000			Recovery	=	84.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	45	0.003	ug/l	# 42
3) Chloromethane	1.523	50	1198	0.057	ug/l	91
4) Vinyl Chloride	1.607	62	137	0.007	ug/l	# 43
5) Bromomethane	1.858	94	668	0.052	ug/l	90
6) Chloroethane	1.948	64	446	0.035	ug/l	# 42
7) Trichlorofluoromethane	2.141	101	129	0.006	ug/l	# 18
8) 1,1,2-Trichloro-1,2,2-...	2.588	101	44	0.003	ug/l	# 19
9) 1,1-Dichloroethene	2.584	96	52	0.004	ug/l	1
10) Iodomethane	2.723	142	45	0.002	ug/l	# 29
11) Allyl Chloride	2.842	41	399	0.019	ug/l	89
12) Acrylonitrile	3.327	53	75	0.017	ug/l	# 52
13) Acetone	2.645	43	889	Below Cal	#	80
14) Carbon Disulfide	2.790	76	2587	0.050	ug/l	# 83
15) Methylene Chloride	3.044	84	17752	0.225	ug/l	89
16) trans-1,2-Dichloroethene	3.340	96	167	0.011	ug/l	# 44
17) 1,1-Dichloroethane	3.874	63	78	0.003	ug/l	# 83
18) 2-Butanone	4.735	43	84	Below Cal		75
21) 2,2-Dichloropropane	4.658	77	674	0.036	ug/l	# 52
22) cis-1,2-Dichloroethene	4.661	96	63	0.004	ug/l	# 1
24) tert-Butyl Alcohol	3.186	59	10470	18.075	ug/l	# 74
25) Methyl tert-Butyl Ether	3.372	73	165	0.005	ug/l	# 2
27) Chloroform	5.089	83	789904	28.621	ug/l	98
29) 1,1-Dichloropropene	5.530	75	119	0.007	ug/l	# 42
31) Isopropyl Ether	3.996	45	20	0.001	ug/l	# 1
32) Ethyl-t-butyl ether	4.513	59	91	0.003	ug/l	# 35
33) Tert-Amyl methyl ether	6.115	73	531	0.019	ug/l	# 27
35) Benzene	5.767	78	401	0.007	ug/l	# 52
37) Trichloroethene	6.533	130	72	0.005	ug/l	84
39) Methacrylonitrile	5.089	41	1678	0.404	ug/l	# 25
41) Tetrahydrofuran	5.083	42	644	0.293	ug/l	# 1
43) Dibromomethane	6.919	93	3784	0.446	ug/l	92
44) Bromodichloromethane	7.105	83	759125	38.337	ug/l	98
45) 4-Methyl-2-Pentanone	7.806	43	864	0.097	ug/l	# 67
46) t-1,4-Dichloro-2-butene	10.828	75	208	0.071	ug/l	# 20
49) Toluene	7.967	92	3555	0.113	ug/l	84
51) cis-1,3-Dichloropropene	7.597	75	48	0.003	ug/l	# 37
53) 1,3-Dichloropropane	8.581	76	116	0.006	ug/l	# 74
54) 2-Hexanone	8.700	43	828	0.131	ug/l	# 44
55) Dibromochloromethane	8.809	129	331087	24.692	ug/l	99
56) 1,2-Dibromoethane	8.928	107	163	0.015	ug/l	29
58) Tetrachloroethene	8.558	164	379	0.027	ug/l	# 76
59) Chlorobenzene	9.452	112	483	0.014	ug/l	90
63) Ethyl Benzene	9.574	91	688	0.013	ug/l	95

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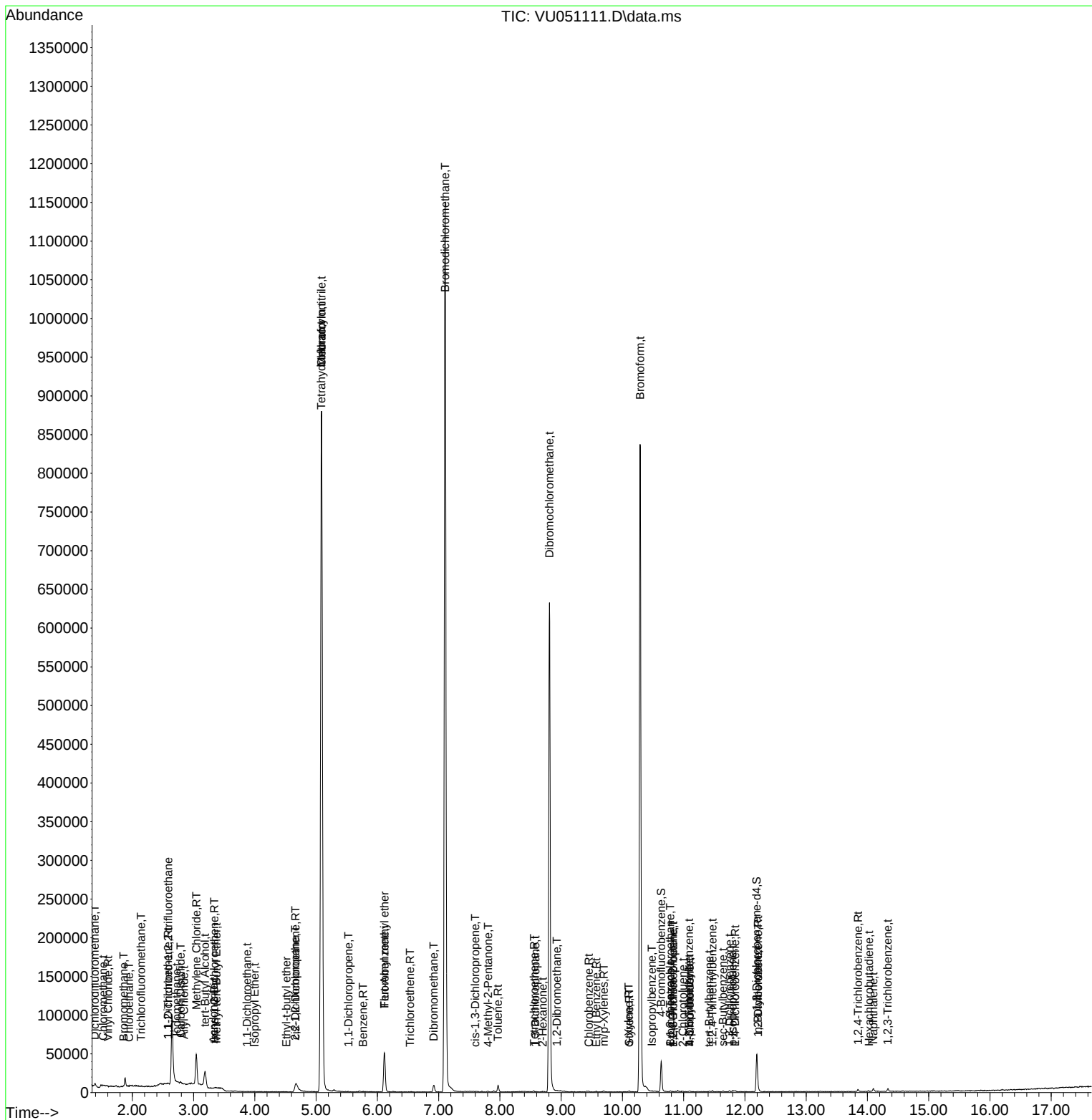
Quant Time: Oct 05 02:49:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U100422DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Oct 05 02:45:21 2022
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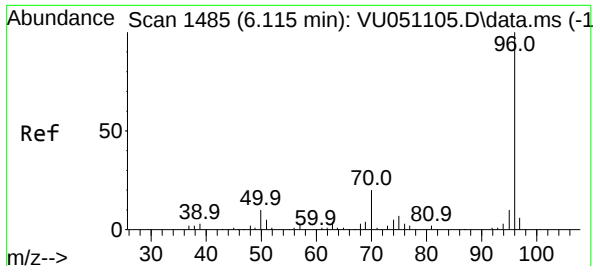
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

64) m/p-Xylenes	9.697	106	478	0.893	ug/l	94
65) o-Xylene	10.102	106	184	0.009	ug/l #	1
66) Styrene	10.111	104	233	0.494	ug/l #	55
67) Bromoform	10.288	173	387259	50.037	ug/l	100
69) Isopropylbenzene	10.481	105	564	0.481	ug/l #	50
70) 1,1,2,2-Tetrachloroethane	10.780	83	179	0.011	ug/l #	25
71) 1,2,3-Trichloropropane	10.828	75	208	0.016	ug/l #	72
72) Bromobenzene	10.783	156	87	0.006	ug/l #	1
73) n-propylbenzene	11.092	120	139	0.539	ug/l	74
74) 2-Chlorotoluene	10.986	126	45	0.003	ug/l #	1
75) 1,3,5-Trimethylbenzene	11.089	105	550	0.485	ug/l #	67
76) 4-Chlorotoluene	11.098	126	19	0.378	ug/l #	1
77) tert-Butylbenzene	11.414	119	567	0.014	ug/l #	66
78) 1,2,4-Trimethylbenzene	11.471	105	685	0.504	ug/l	69
79) sec-Butylbenzene	11.642	105	730	0.447	ug/l #	80
80) Nitrobenzene	13.230	77	265	Below Cal	#	42
81) p-Isopropyltoluene	11.799	119	511	0.553	ug/l #	71
82) 1,3-Dichlorobenzene	11.745	146	783	0.027	ug/l #	86
83) 1,4-Dichlorobenzene	11.841	146	931	0.032	ug/l #	83
84) n-Butylbenzene	12.211	91	1439	0.605	ug/l #	80
85) 1,2-Dichlorobenzene	12.214	146	807	0.028	ug/l	86
87) 1,2,4-Trichlorobenzene	13.844	180	1331	0.446	ug/l	88
88) Hexachlorobutadiene	14.024	225	513	0.051	ug/l #	57
89) Naphthalene	14.095	128	4230	0.152	ug/l #	92
90) 1,2,3-Trichlorobenzene	14.330	180	1370	0.419	ug/l #	75

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

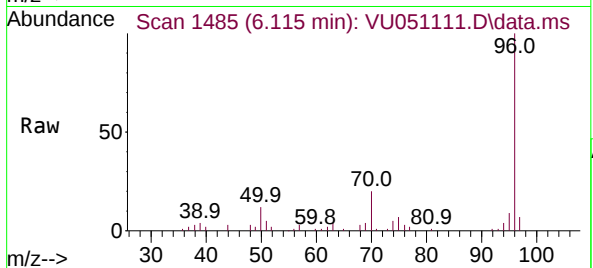
Quant Time: Oct 05 02:49:51 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U100422DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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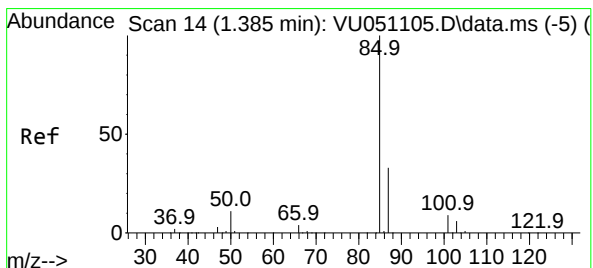
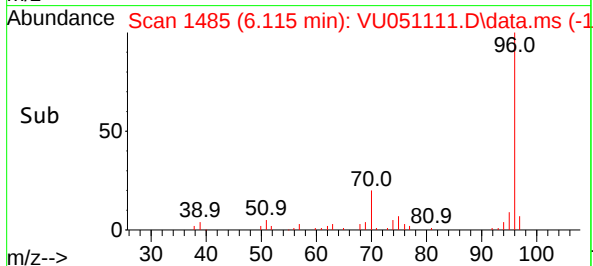
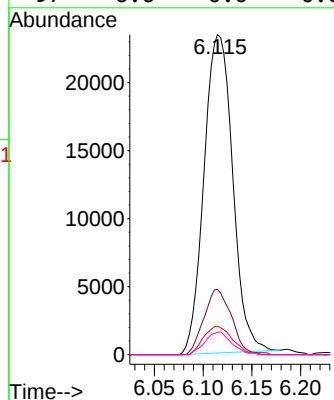


#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.115 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU051111.D
Acq: 04 Oct 2022 17:08

Instrument :
MSVOA_U
ClientSampleId :

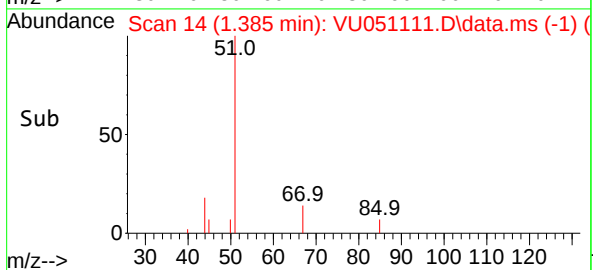
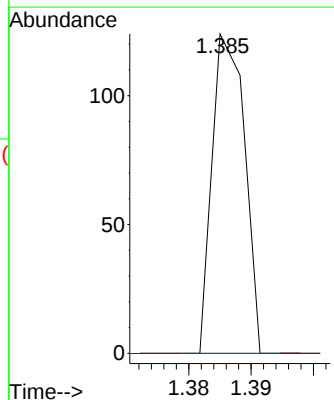
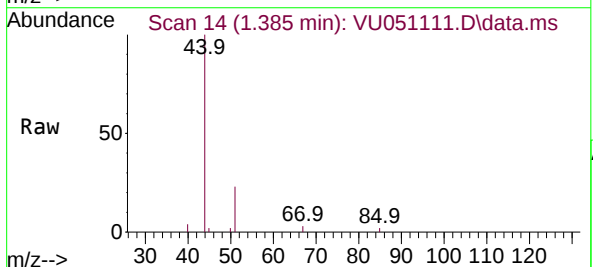


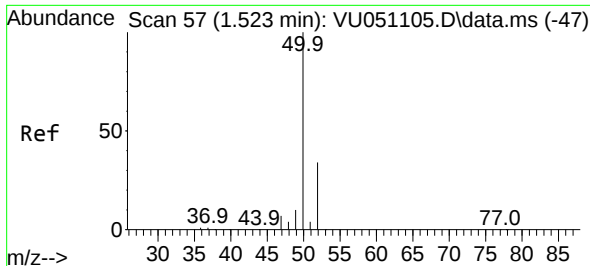
Tgt Ion:	96	Resp:	47870
Ion	Ratio	Lower	Upper
96	100		
70	19.8	16.7	25.1
95	9.0	7.4	11.0
97	6.6	0.0	0.0



#2
Dichlorodifluoromethane
Concen: 0.003 ug/l
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU051111.D
Acq: 04 Oct 2022 17:08

Tgt Ion:	85	Resp:	45
Ion	Ratio	Lower	Upper
85	100		
87	0.0	16.3	48.8

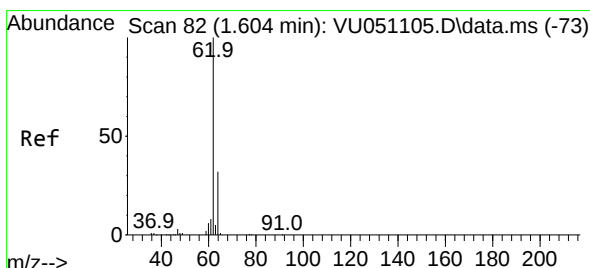
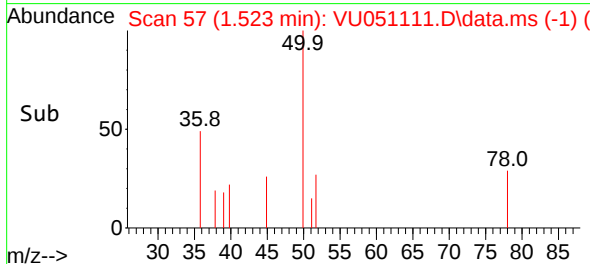
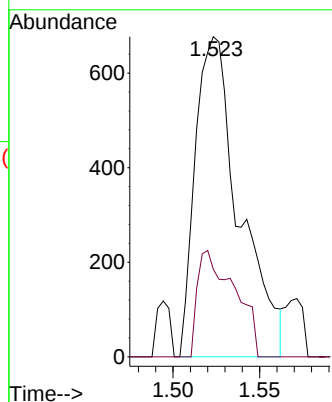
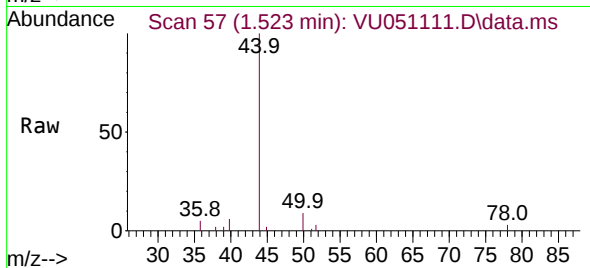




#3
Chloromethane
Concen: 0.057 ug/l
RT: 1.523 min Scan# 51
Delta R.T. -0.000 min
Lab File: VU051111.D
Acq: 04 Oct 2022 17:08

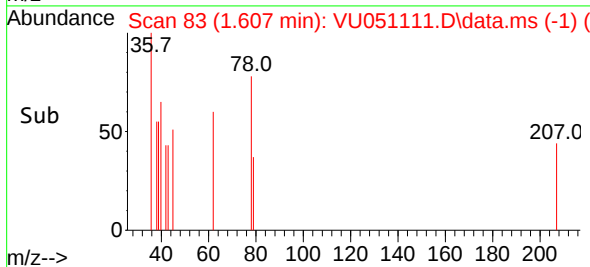
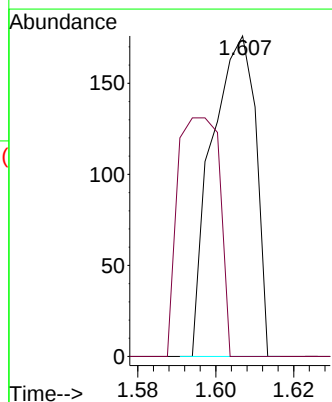
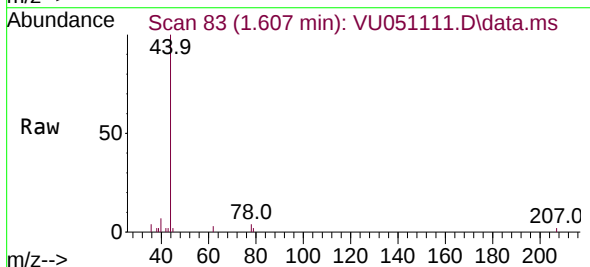
Instrument :
MSVOA_U
ClientSampleId :

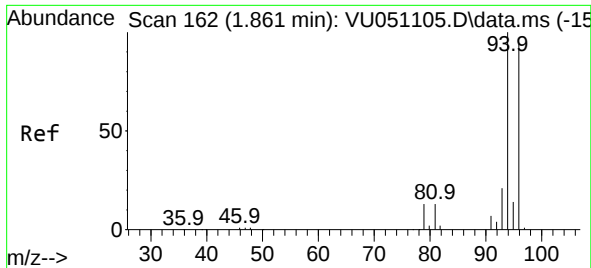
Tgt Ion: 50 Resp: 1198
Ion Ratio Lower Upper
50 100
52 27.3 26.1 39.1



#4
Vinyl Chloride
Concen: 0.007 ug/l
RT: 1.607 min Scan# 83
Delta R.T. 0.003 min
Lab File: VU051111.D
Acq: 04 Oct 2022 17:08

Tgt Ion: 62 Resp: 137
Ion Ratio Lower Upper
62 100
64 0.0 25.5 38.3#





#5

Bromomethane

Concen: 0.052 ug/l

RT: 1.858 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU051111.D

Acq: 04 Oct 2022 17:08

Instrument :

MSVOA_U

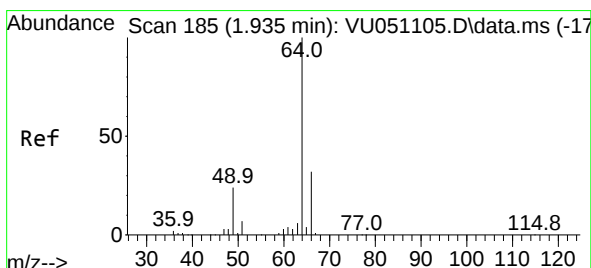
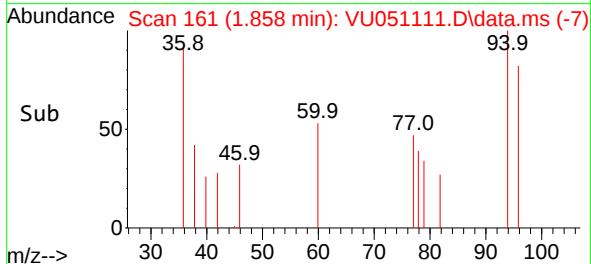
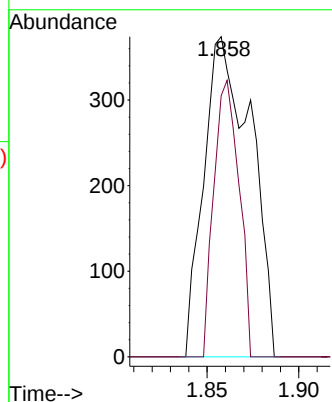
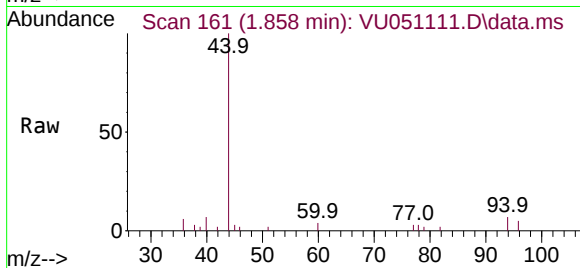
ClientSampleId :

Tgt Ion: 94 Resp: 668

Ion Ratio Lower Upper

94 100

96 81.6 73.0 109.6



#6

Chloroethane

Concen: 0.035 ug/l

RT: 1.948 min Scan# 189

Delta R.T. 0.013 min

Lab File: VU051111.D

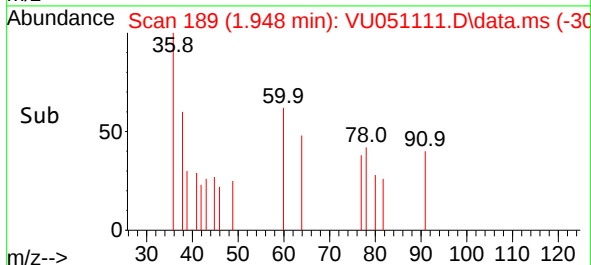
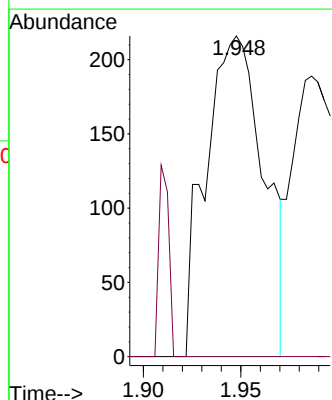
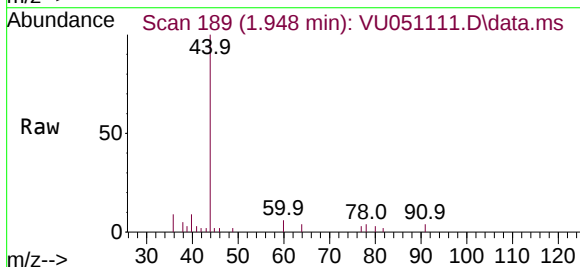
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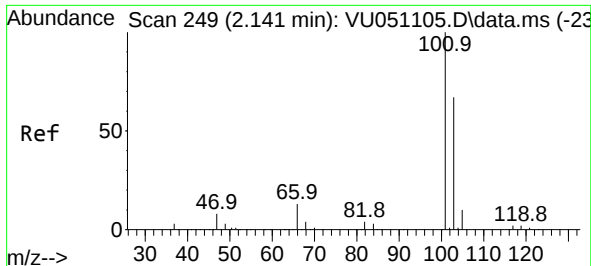
Tgt Ion: 64 Resp: 446

Ion Ratio Lower Upper

64 100

66 0.0 25.8 38.6#

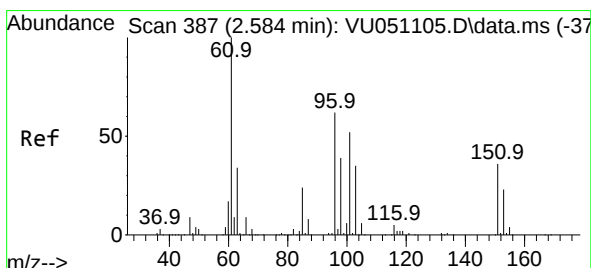
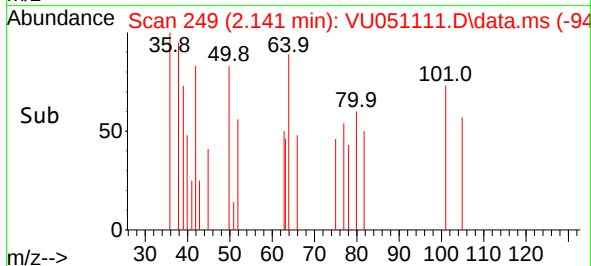
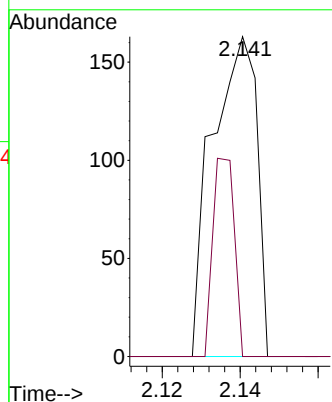
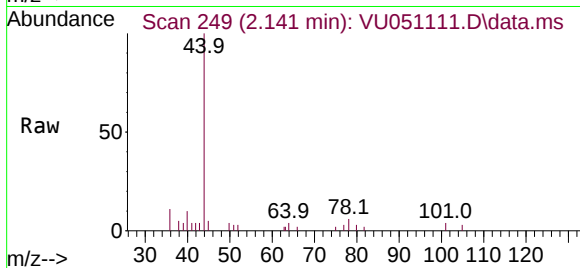




#7
Trichlorofluoromethane
Concen: 0.006 ug/l
RT: 2.141 min Scan# 249
Delta R.T. -0.000 min
Lab File: VU051111.D
Acq: 04 Oct 2022 17:08

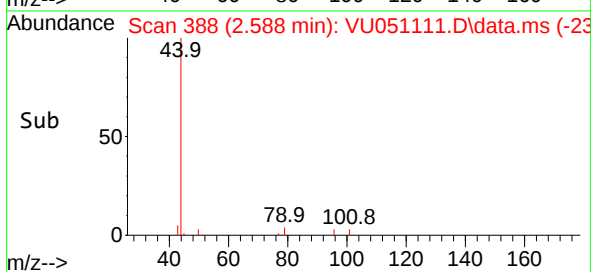
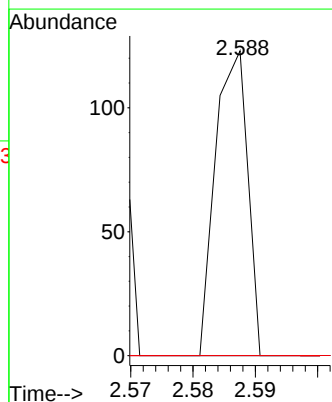
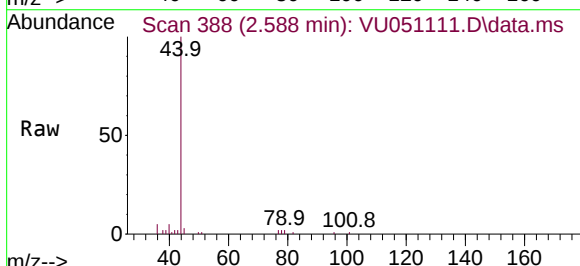
Instrument :
MSVOA_U
ClientSampleId :

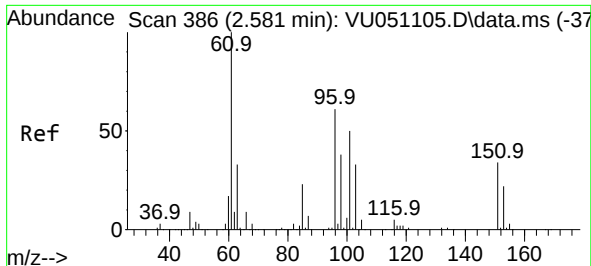
Tgt Ion:101 Resp: 129
Ion Ratio Lower Upper
101 100
103 0.0 51.8 77.6#



#8
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.003 ug/l
RT: 2.588 min Scan# 388
Delta R.T. 0.003 min
Lab File: VU051111.D
Acq: 04 Oct 2022 17:08

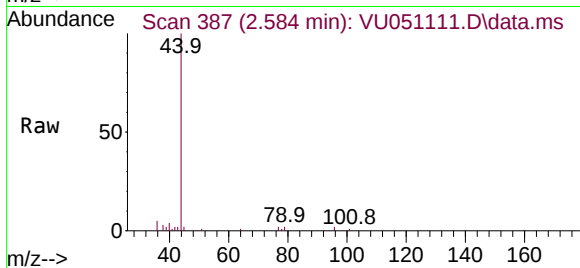
Tgt Ion:101 Resp: 44
Ion Ratio Lower Upper
101 100
85 0.0 36.4 54.6#
151 0.0 59.1 88.7#



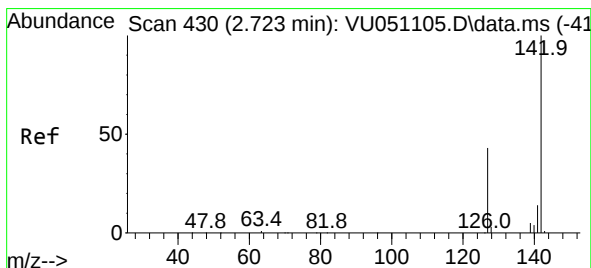
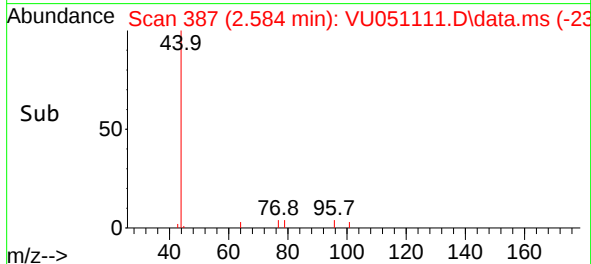
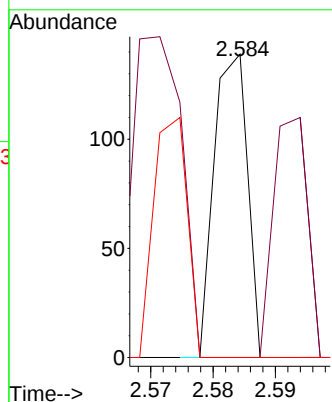


#9
1,1-Dichloroethene
Concen: 0.004 ug/l
RT: 2.584 min Scan# 386
Delta R.T. 0.003 min
Lab File: VU051111.D
Acq: 04 Oct 2022 17:08

Instrument :
MSVOA_U
ClientSampleId :

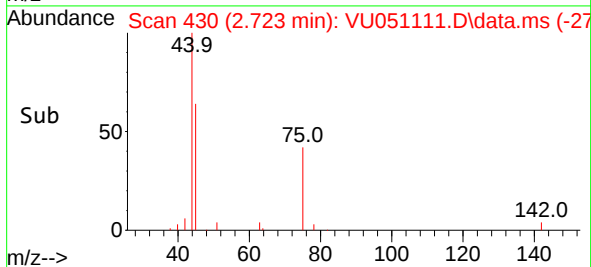
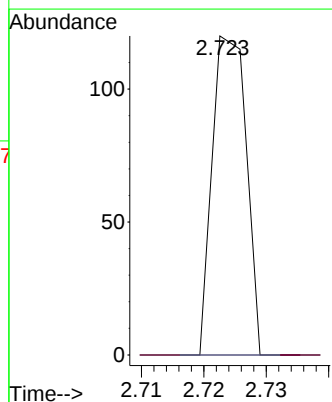
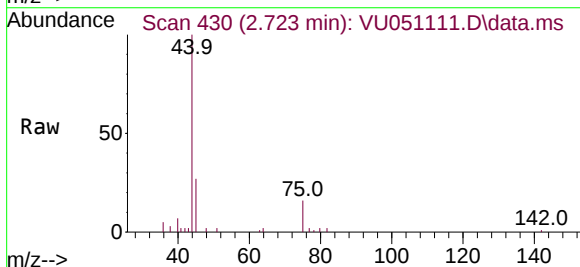


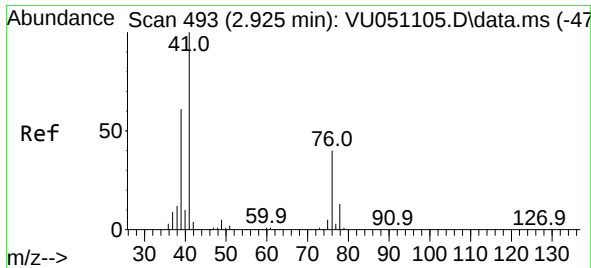
Tgt Ion: 96 Resp: 52
Ion Ratio Lower Upper
96 100
61 0.0 0.0 510.6
98 0.0 0.0 124.6



#10
Iodomethane
Concen: 0.002 ug/l
RT: 2.723 min Scan# 430
Delta R.T. -0.000 min
Lab File: VU051111.D
Acq: 04 Oct 2022 17:08

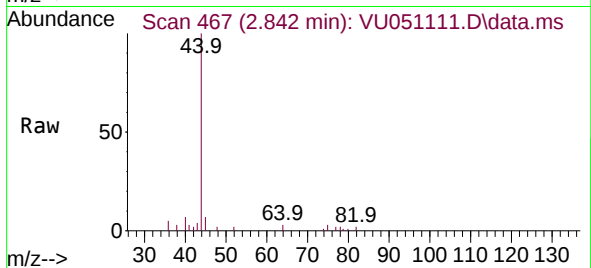
Tgt Ion: 142 Resp: 45
Ion Ratio Lower Upper
142 100
127 0.0 38.2 57.2#



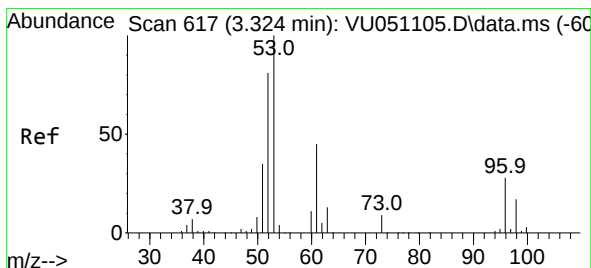
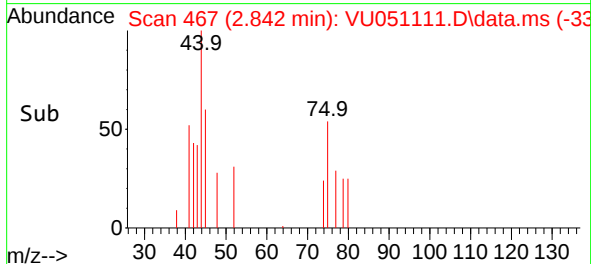
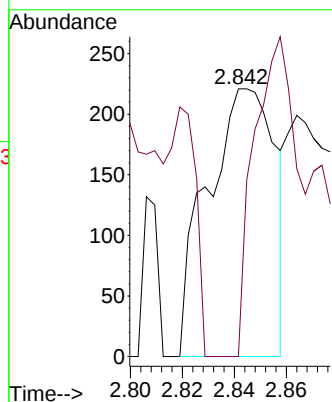


#11
 Allyl Chloride
 Concen: 0.019 ug/l
 RT: 2.842 min Scan# 41
 Delta R.T. -0.084 min
 Lab File: VU051111.D
 Acq: 04 Oct 2022 17:08

Instrument :
 MSVOA_U
 ClientSampleId :

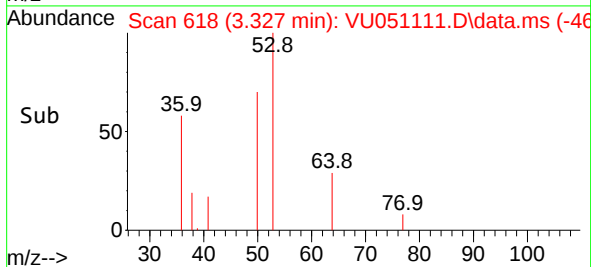
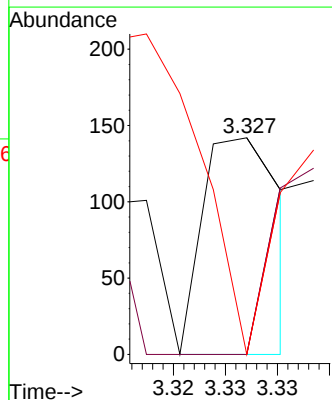
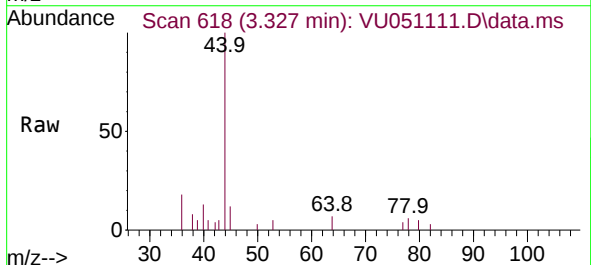


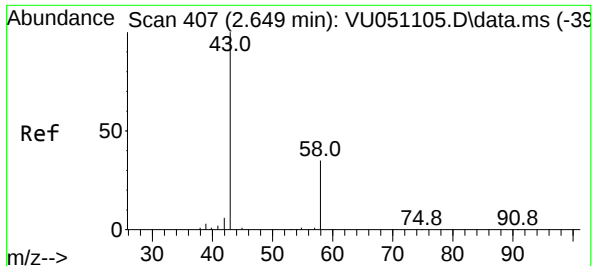
Tgt Ion: 41 Resp: 399
 Ion Ratio Lower Upper
 41 100
 39 75.4 53.2 79.8



#12
 Acrylonitrile
 Concen: 0.017 ug/l
 RT: 3.327 min Scan# 618
 Delta R.T. 0.003 min
 Lab File: VU051111.D
 Acq: 04 Oct 2022 17:08

Tgt Ion: 53 Resp: 75
 Ion Ratio Lower Upper
 53 100
 52 117.3 64.6 97.0#
 51 0.0 30.7 46.1#





#13

Acetone

Concen: Below Cal

RT: 2.645 min Scan# 407

Delta R.T. -0.004 min

Lab File: VU051111.D

Acq: 04 Oct 2022 17:08

Instrument :

MSVOA_U

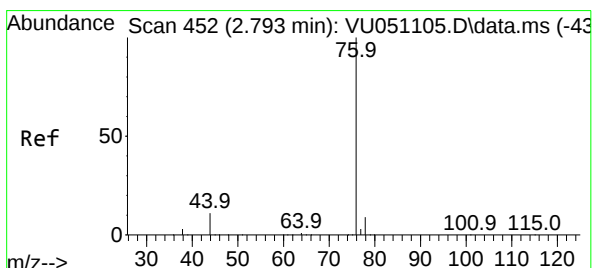
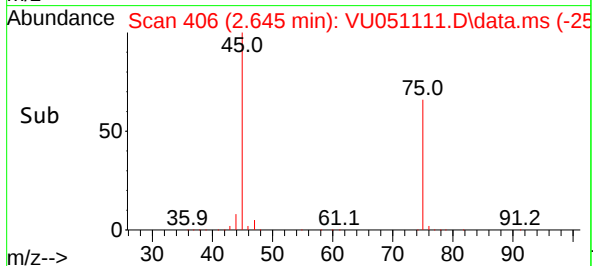
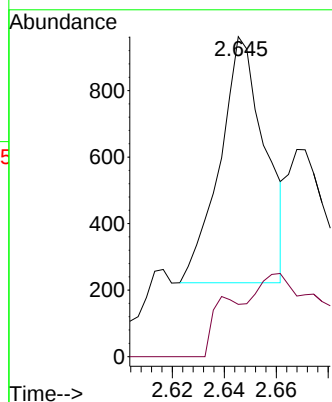
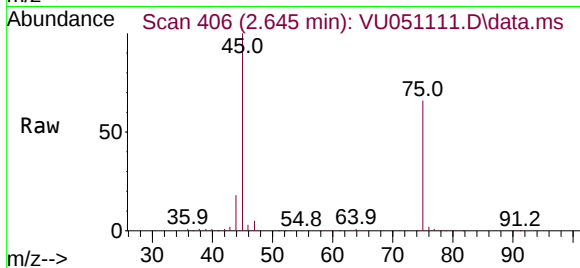
ClientSampleId :

Tgt Ion: 43 Resp: 889

Ion Ratio Lower Upper

43 100

58 21.2 26.2 39.2#



#14

Carbon Disulfide

Concen: 0.050 ug/l

RT: 2.790 min Scan# 451

Delta R.T. -0.003 min

Lab File: VU051111.D

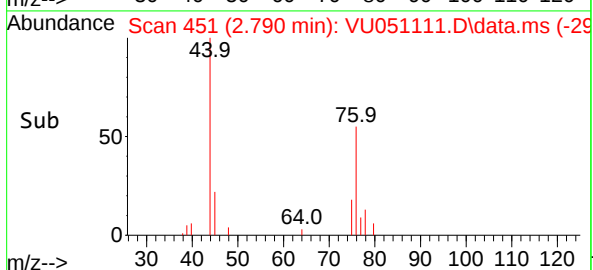
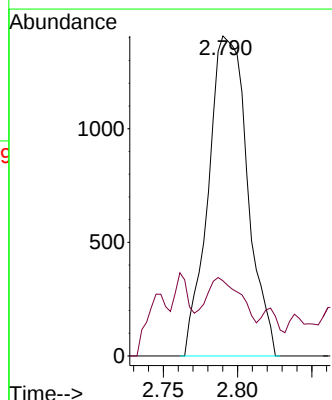
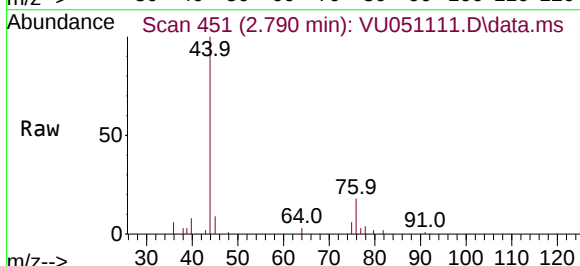
Acq: 04 Oct 2022 17:08

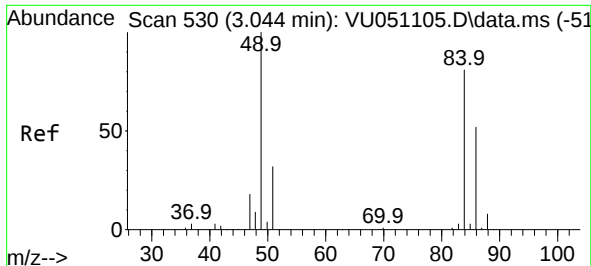
Tgt Ion: 76 Resp: 2587

Ion Ratio Lower Upper

76 100

78 15.4 7.4 11.0#

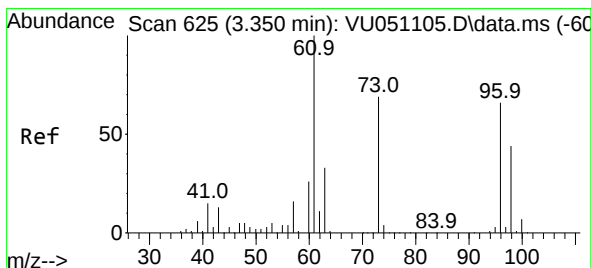
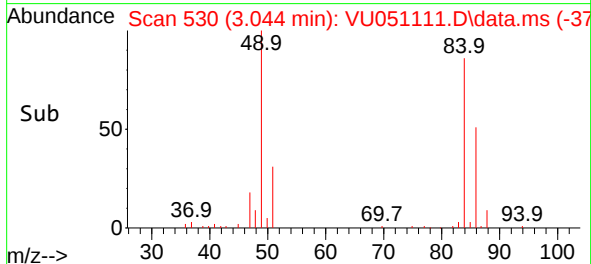
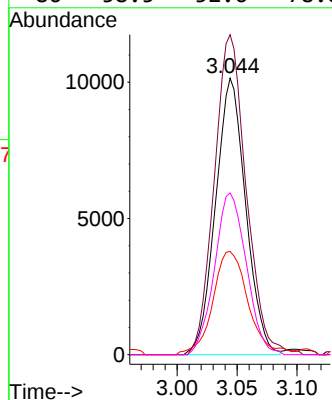
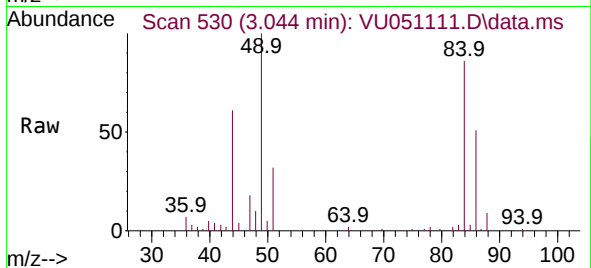




#15
Methylene Chloride
Concen: 0.225 ug/l
RT: 3.044 min Scan# 511
Delta R.T. 0.000 min
Lab File: VU051111.D
Acq: 04 Oct 2022 17:08

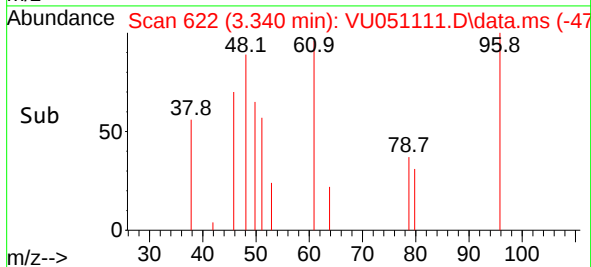
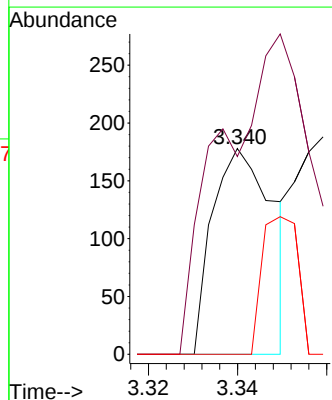
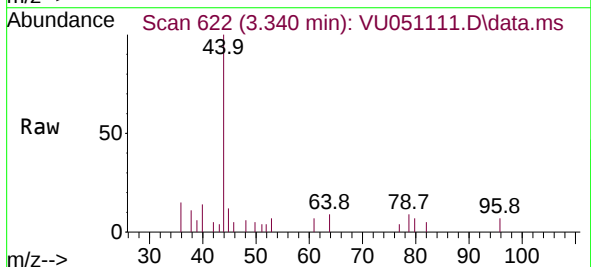
Instrument :
MSVOA_U
ClientSampleId :

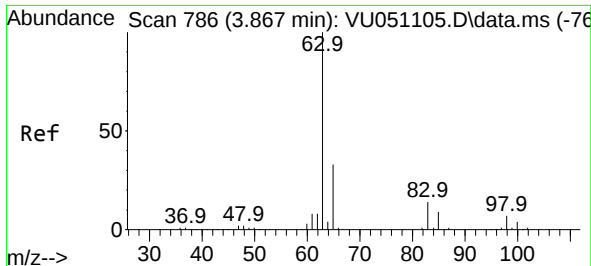
Tgt Ion: 84 Resp: 17752
Ion Ratio Lower Upper
84 100
49 115.8 104.6 157.0
51 36.3 0.0 81.4
86 58.5 52.6 78.8



#16
trans-1,2-Dichloroethene
Concen: 0.011 ug/l
RT: 3.340 min Scan# 622
Delta R.T. -0.010 min
Lab File: VU051111.D
Acq: 04 Oct 2022 17:08

Tgt Ion: 96 Resp: 167
Ion Ratio Lower Upper
96 100
61 96.1 123.4 185.0#
98 0.0 51.6 77.4#

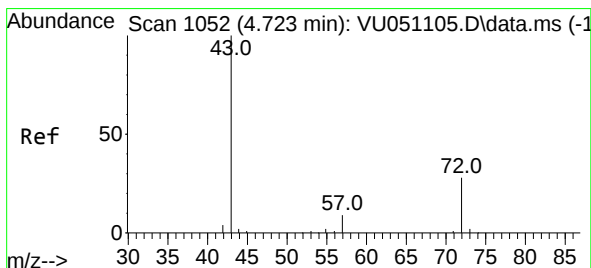
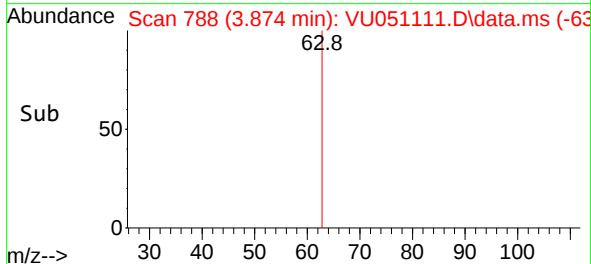
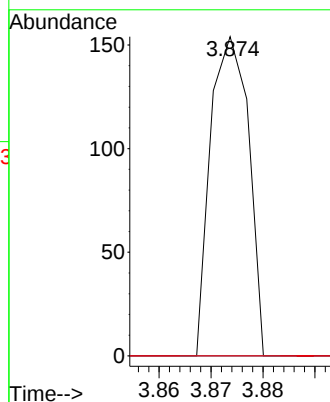
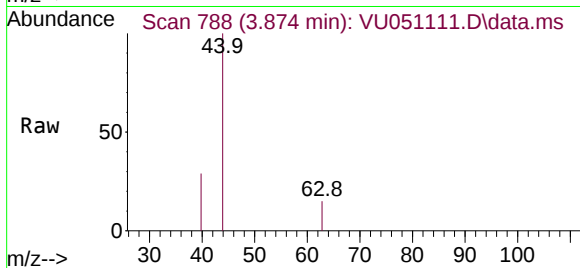




#17
1,1-Dichloroethane
Concen: 0.003 ug/l
RT: 3.874 min Scan# 71
Delta R.T. 0.006 min
Lab File: VU051111.D
Acq: 04 Oct 2022 17:08

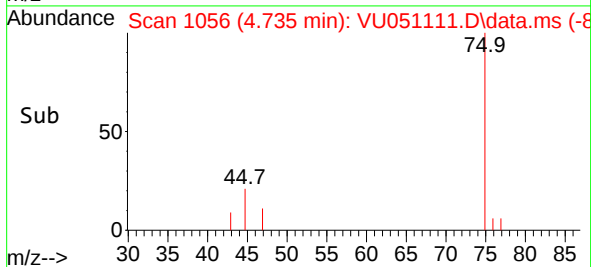
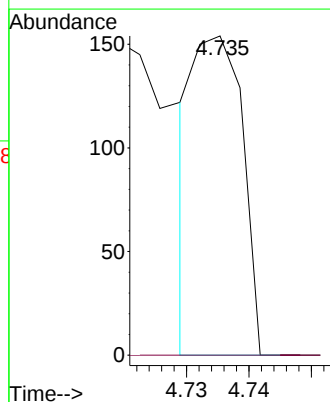
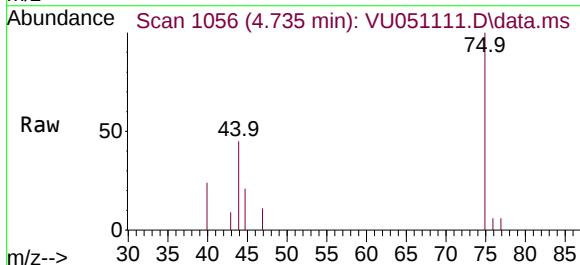
Instrument :
MSVOA_U
ClientSampleId :

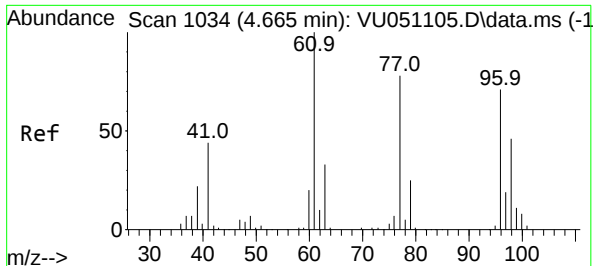
Tgt Ion: 63 Resp: 78
Ion Ratio Lower Upper
63 100
98 0.0 3.4 10.2#
100 0.0 2.0 6.0#



#18
2-Butanone
Concen: Below Cal
RT: 4.735 min Scan# 1056
Delta R.T. 0.012 min
Lab File: VU051111.D
Acq: 04 Oct 2022 17:08

Tgt Ion: 43 Resp: 84
Ion Ratio Lower Upper
43 100
57 0.0 0.0 18.0





#21

2,2-Dichloropropane

Concen: 0.036 ug/l

RT: 4.658 min Scan# 1032

Delta R.T. -0.007 min

Lab File: VU051111.D

Acq: 04 Oct 2022 17:08

Instrument :

MSVOA_U

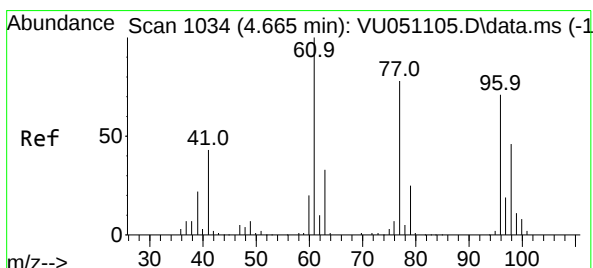
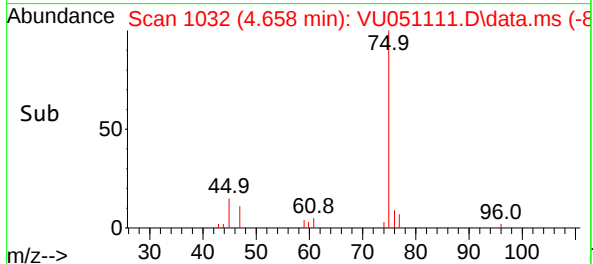
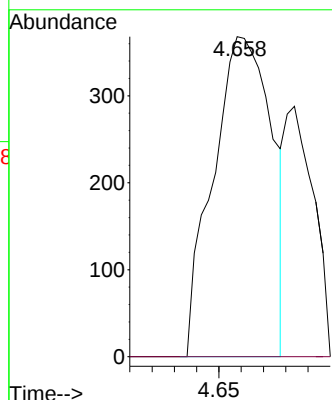
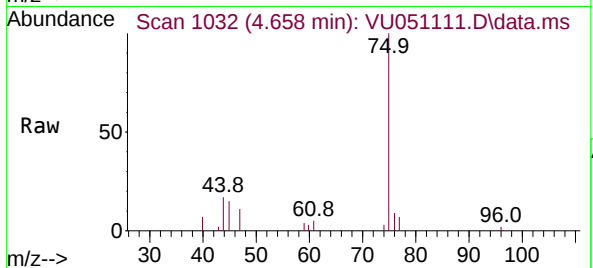
ClientSampleId :

Tgt Ion: 77 Resp: 674

Ion Ratio Lower Upper

77 100

97 0.0 18.5 27.7#



#22

cis-1,2-Dichloroethene

Concen: 0.004 ug/l

RT: 4.661 min Scan# 1033

Delta R.T. -0.003 min

Lab File: VU051111.D

Acq: 04 Oct 2022 17:08

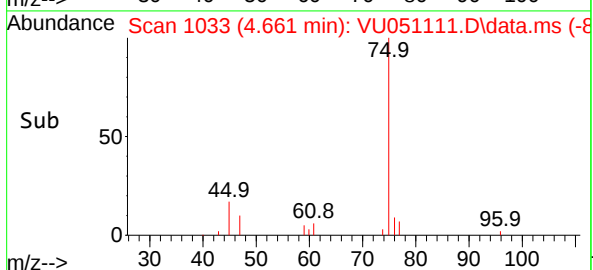
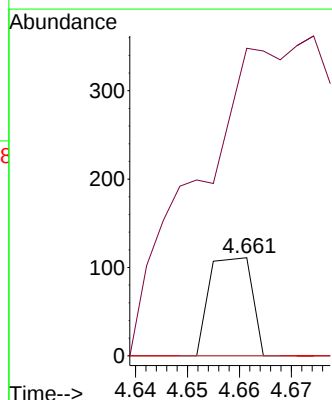
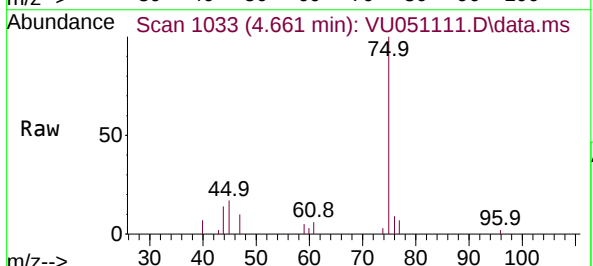
Tgt Ion: 96 Resp: 63

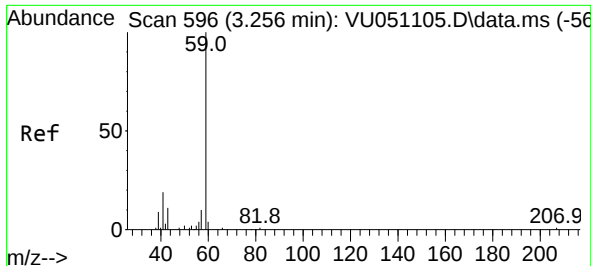
Ion Ratio Lower Upper

96 100

61 1039.7 0.0 375.8#

98 0.0 31.6 95.0#

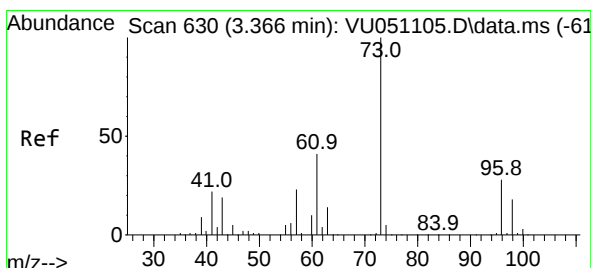
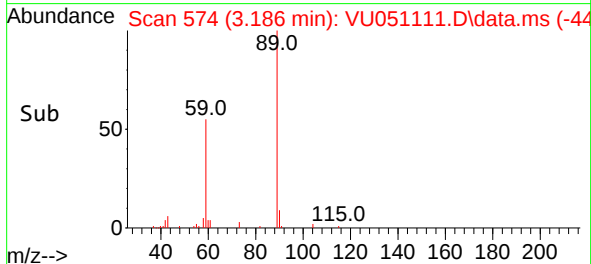
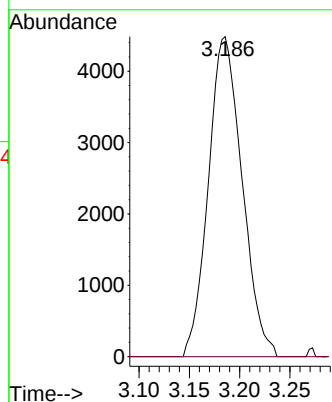
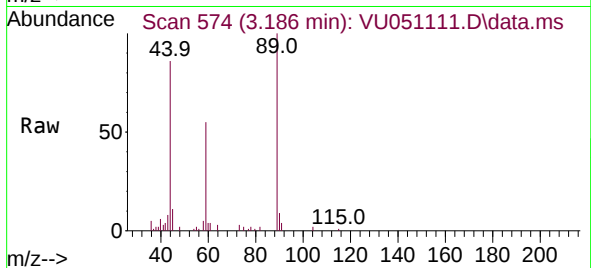




#24
tert-Butyl Alcohol
Concen: 18.075 ug/l
RT: 3.186 min Scan# 51
Delta R.T. -0.071 min
Lab File: VU051111.D
Acq: 04 Oct 2022 17:08

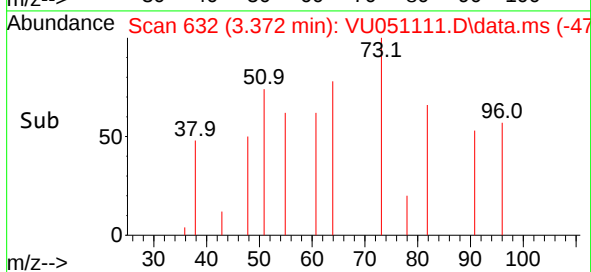
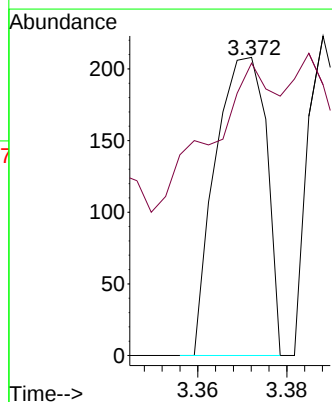
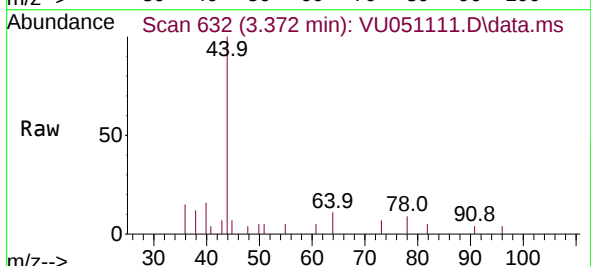
Instrument :
MSVOA_U
ClientSampleId :

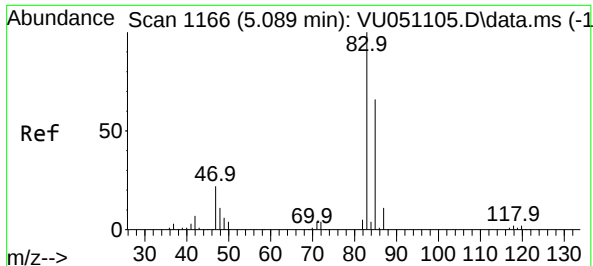
Tgt Ion: 59 Resp: 10470
Ion Ratio Lower Upper
59 100
57 0.4 8.2 12.2#



#25
Methyl tert-Butyl Ether
Concen: 0.005 ug/l
RT: 3.372 min Scan# 632
Delta R.T. 0.006 min
Lab File: VU051111.D
Acq: 04 Oct 2022 17:08

Tgt Ion: 73 Resp: 165
Ion Ratio Lower Upper
73 100
43 64.8 15.9 23.9#





#27

Chloroform

Concen: 28.621 ug/l

RT: 5.089 min Scan# 1166

Delta R.T. -0.000 min

Lab File: VU051111.D

Acq: 04 Oct 2022 17:08

Instrument :

MSVOA_U

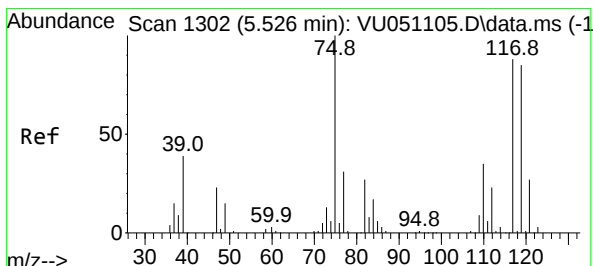
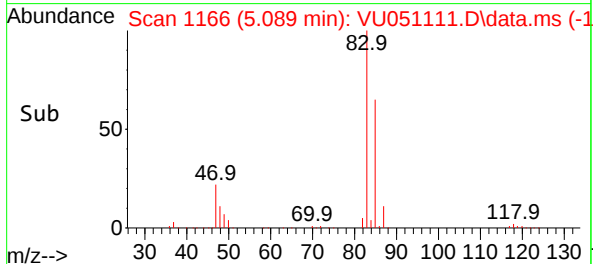
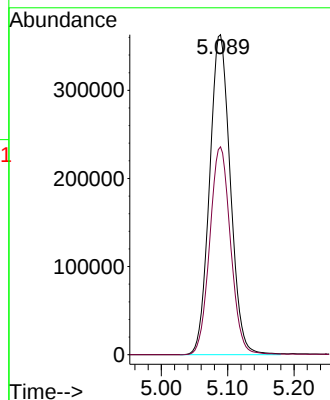
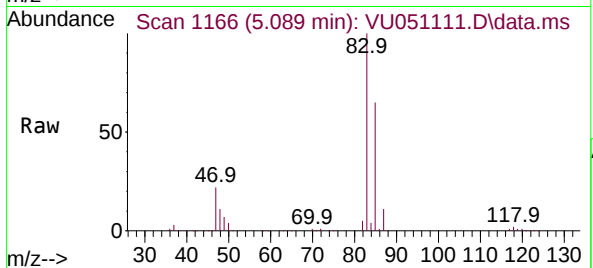
ClientSampleId :

Tgt Ion: 83 Resp: 789904

Ion Ratio Lower Upper

83 100

85 65.0 0.0 133.6



#29

1,1-Dichloropropene

Concen: 0.007 ug/l

RT: 5.530 min Scan# 1303

Delta R.T. 0.003 min

Lab File: VU051111.D

Acq: 04 Oct 2022 17:08

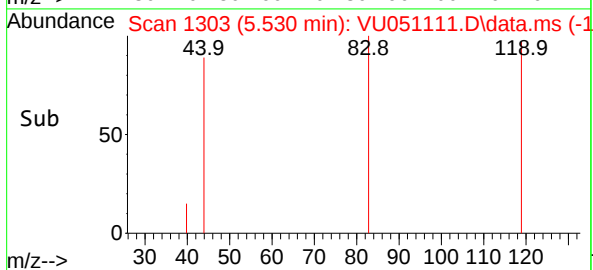
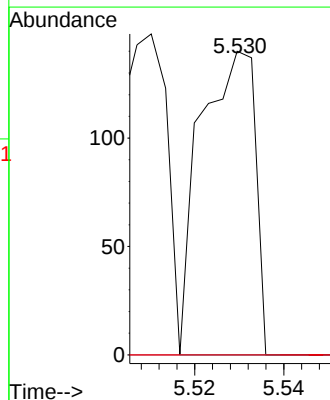
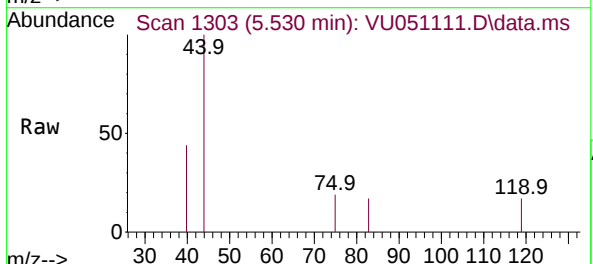
Tgt Ion: 75 Resp: 119

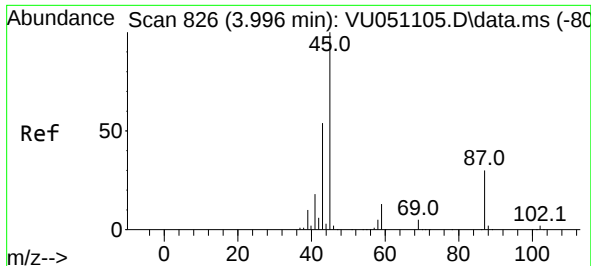
Ion Ratio Lower Upper

75 100

110 0.0 17.3 52.0#

77 0.0 24.6 37.0#

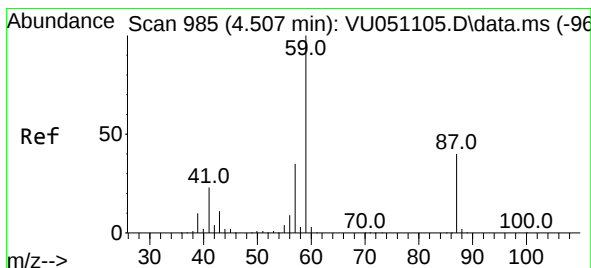
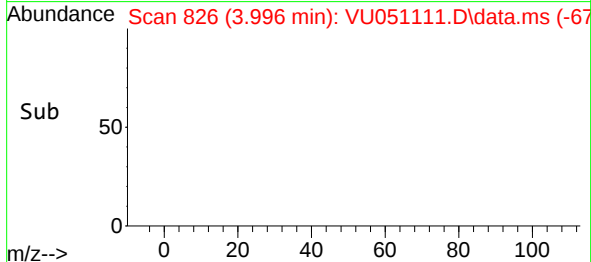
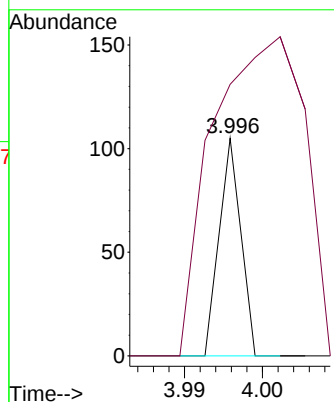
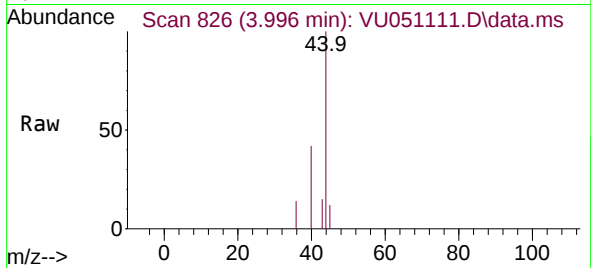




#31
Isopropyl Ether
Concen: 0.001 ug/l
RT: 3.996 min Scan# 81
Delta R.T. -0.000 min
Lab File: VU051111.D
Acq: 04 Oct 2022 17:08

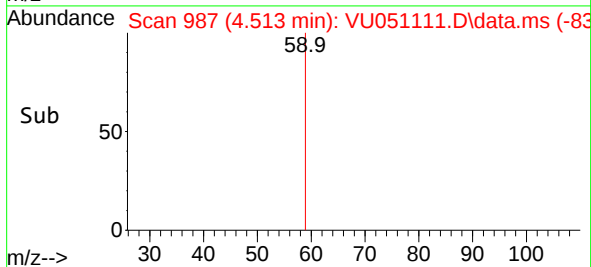
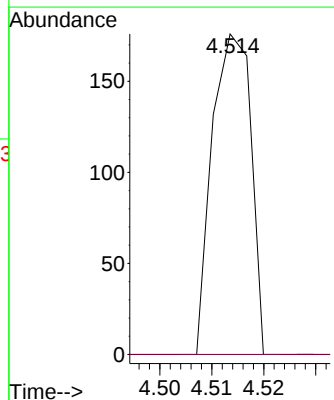
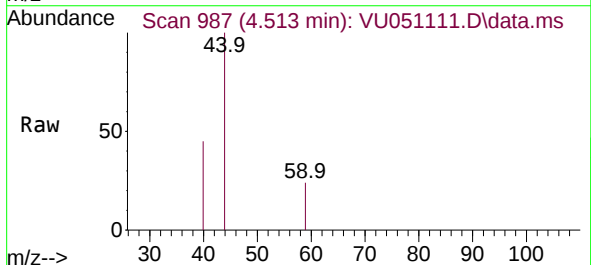
Instrument :
MSVOA_U
ClientSampleId :

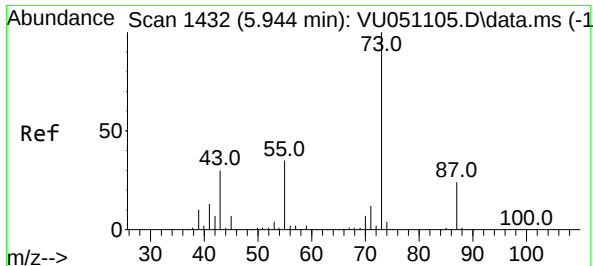
Tgt Ion: 45 Resp: 20
Ion Ratio Lower Upper
45 100
43 630.0 23.8 71.2#



#32
Ethyl-t-butyl ether
Concen: 0.003 ug/l
RT: 4.513 min Scan# 987
Delta R.T. 0.006 min
Lab File: VU051111.D
Acq: 04 Oct 2022 17:08

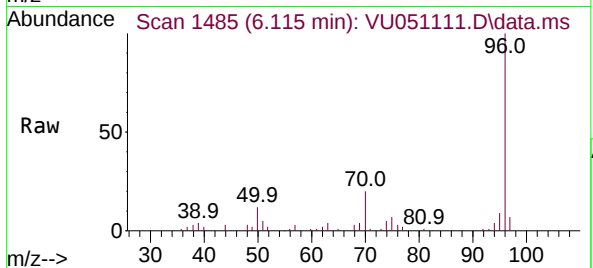
Tgt Ion: 59 Resp: 91
Ion Ratio Lower Upper
59 100
87 0.0 32.5 48.7#



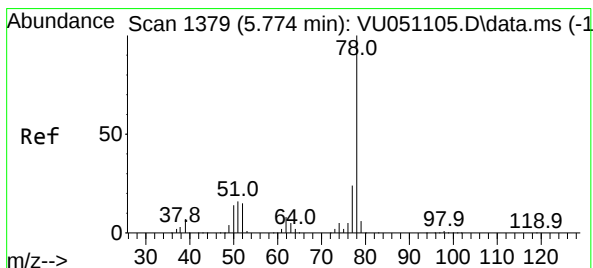
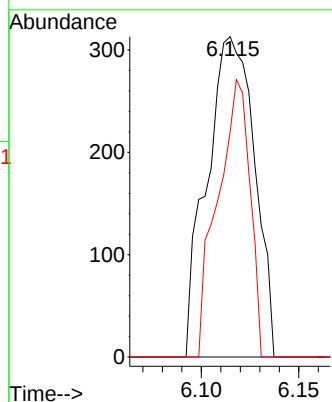
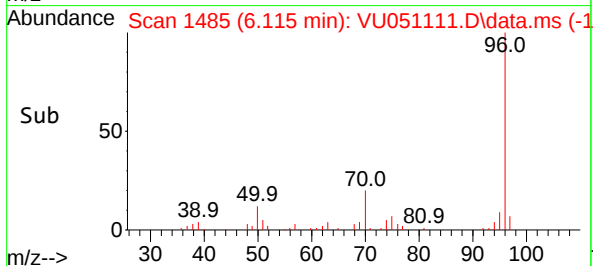


#33
Tert-Amyl methyl ether
Concen: 0.019 ug/l
RT: 6.115 min Scan# 1432
Delta R.T. 0.170 min
Lab File: VU051111.D
Acq: 04 Oct 2022 17:08

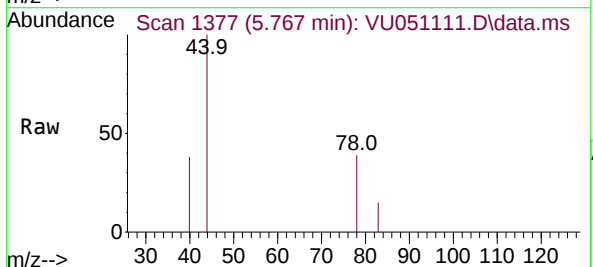
Instrument :
MSVOA_U
ClientSampleId :



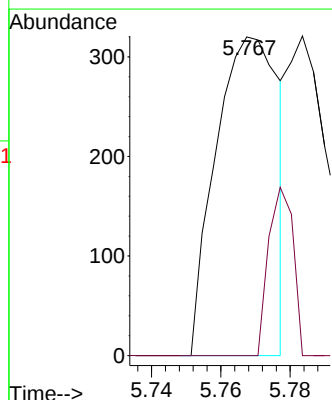
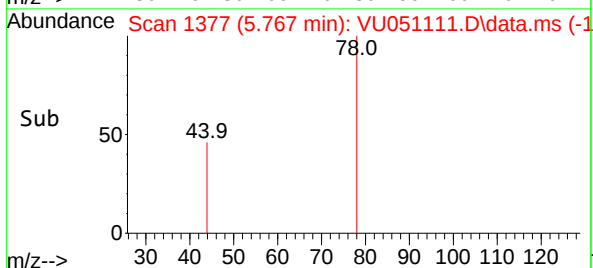
Tgt Ion: 73 Resp: 531
Ion Ratio Lower Upper
73 100
87 0.0 19.7 29.5#
71 58.6 9.0 13.4#

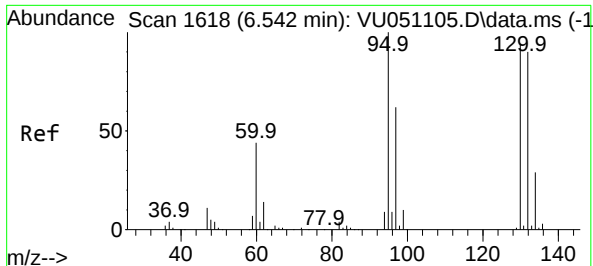


#35
Benzene
Concen: 0.007 ug/l
RT: 5.767 min Scan# 1377
Delta R.T. -0.007 min
Lab File: VU051111.D
Acq: 04 Oct 2022 17:08



Tgt Ion: 78 Resp: 401
Ion Ratio Lower Upper
78 100
77 0.0 18.6 28.0#





#37

Trichloroethene

Concen: 0.005 ug/l

RT: 6.533 min Scan# 1165

Delta R.T. -0.010 min

Lab File: VU051111.D

Acq: 04 Oct 2022 17:08

Instrument :

MSVOA_U

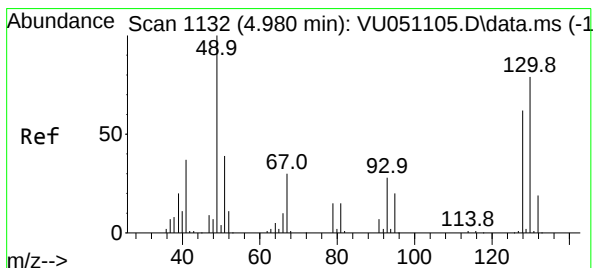
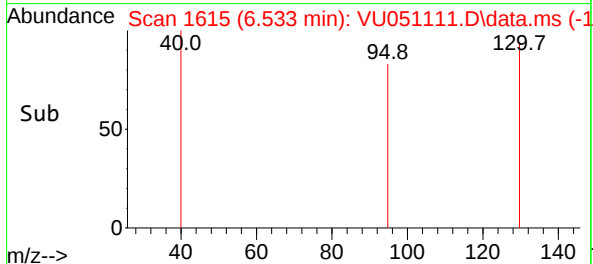
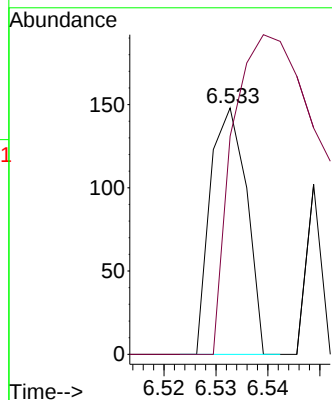
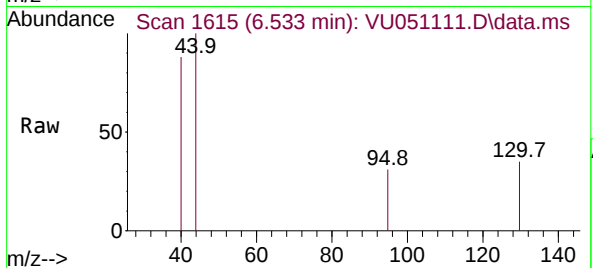
ClientSampleId :

Tgt Ion:130 Resp: 72

Ion Ratio Lower Upper

130 100

95 88.5 83.8 125.8



#39

Methacrylonitrile

Concen: 0.404 ug/l

RT: 5.089 min Scan# 1166

Delta R.T. 0.109 min

Lab File: VU051111.D

Acq: 04 Oct 2022 17:08

Tgt Ion: 41 Resp: 1678

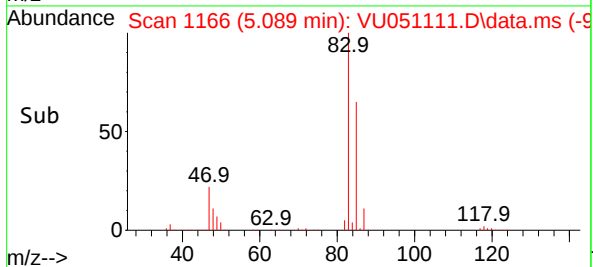
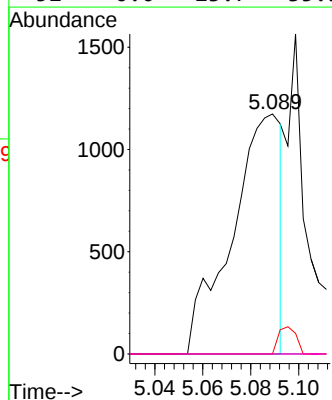
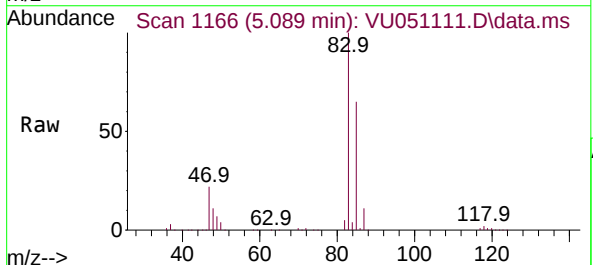
Ion Ratio Lower Upper

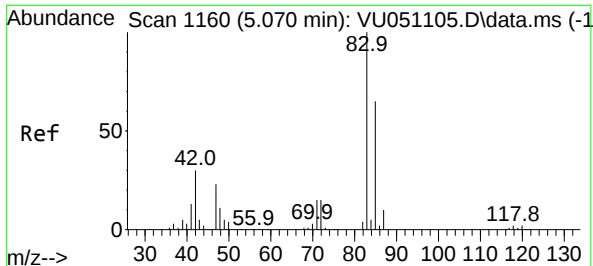
41 100

67 0.0 59.4 89.0#

39 4.1 42.2 63.2#

52 0.0 23.7 35.5#





#41

Tetrahydrofuran

Concen: 0.293 ug/l

RT: 5.083 min Scan# 1164

Delta R.T. 0.013 min

Lab File: VU051111.D

Acq: 04 Oct 2022 17:08

Instrument :

MSVOA_U

ClientSampleId :

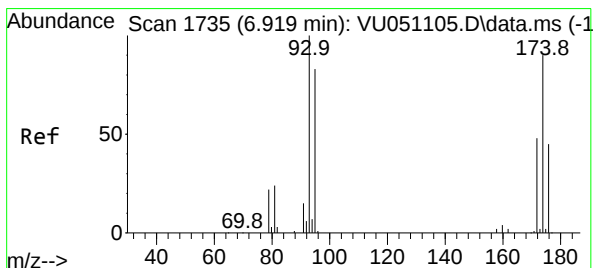
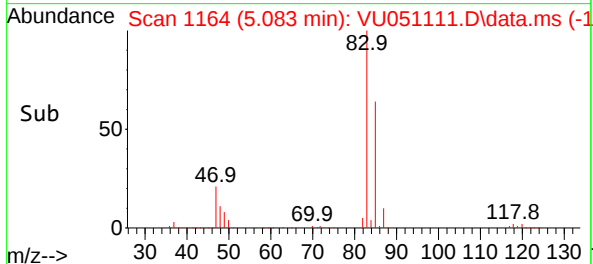
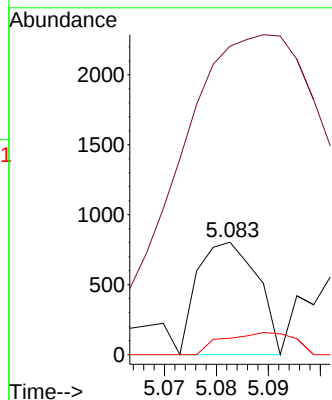
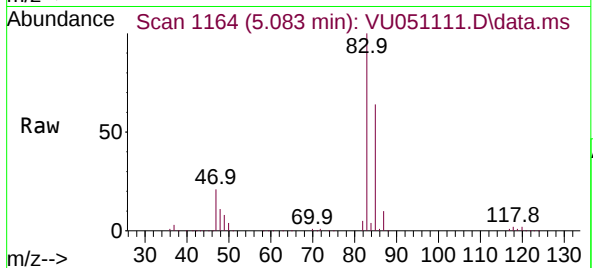
Tgt Ion: 42 Resp: 644

Ion Ratio Lower Upper

42 100

72 794.7 38.9 58.3#

71 23.4 33.7 50.5#



#43

Dibromomethane

Concen: 0.446 ug/l

RT: 6.919 min Scan# 1735

Delta R.T. -0.000 min

Lab File: VU051111.D

Acq: 04 Oct 2022 17:08

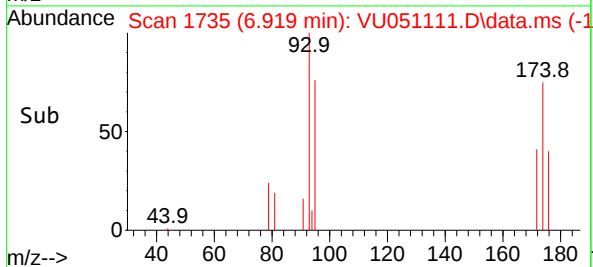
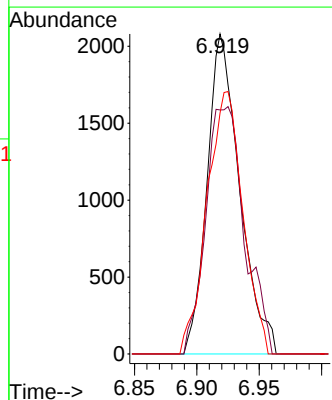
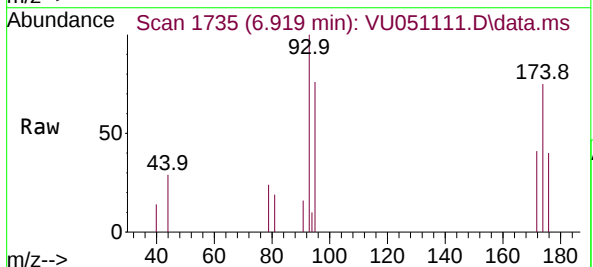
Tgt Ion: 93 Resp: 3784

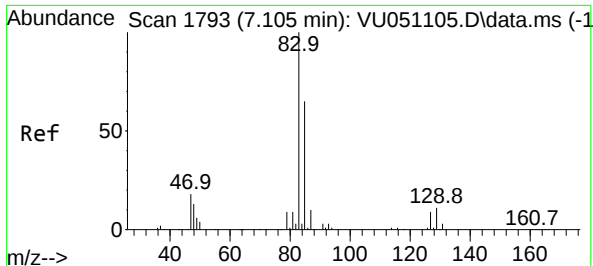
Ion Ratio Lower Upper

93 100

95 91.7 65.0 97.6

174 90.2 76.3 114.5

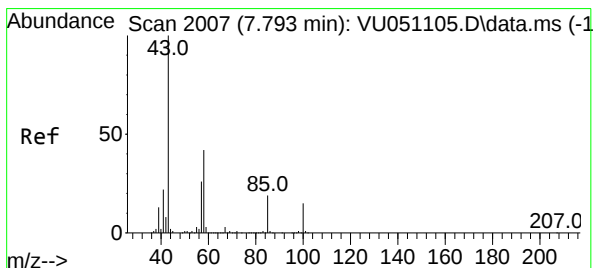
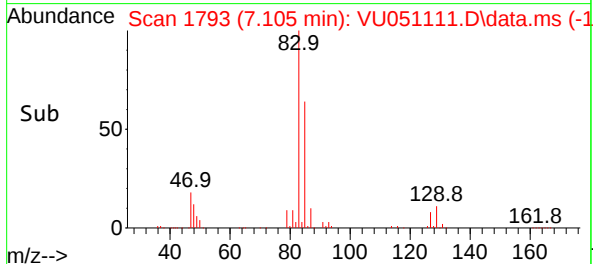
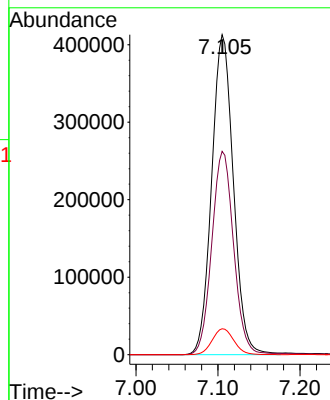
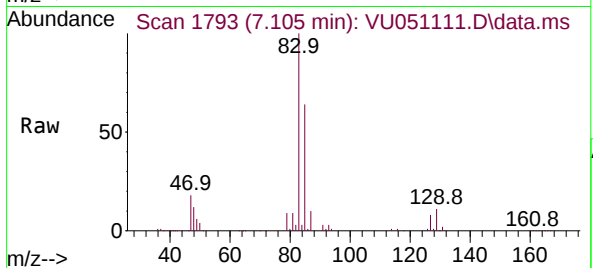




#44
Bromodichloromethane
Concen: 38.337 ug/l
RT: 7.105 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU051111.D
Acq: 04 Oct 2022 17:08

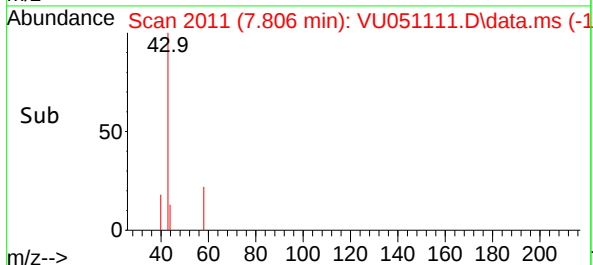
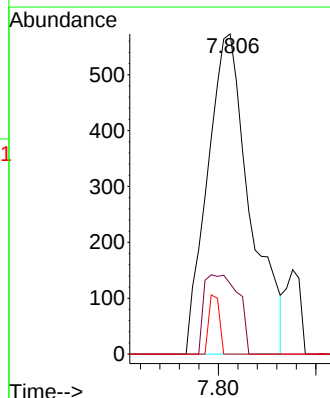
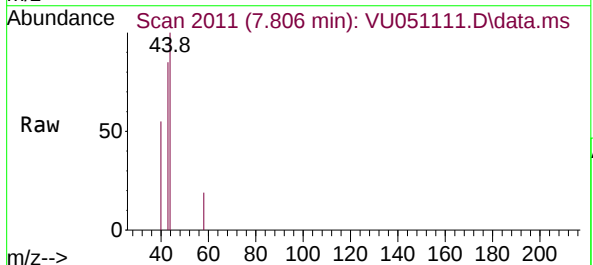
Instrument :
MSVOA_U
ClientSampleId :

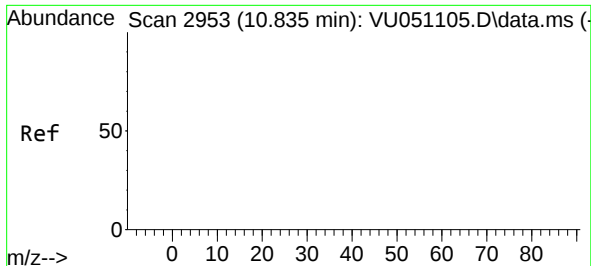
Tgt Ion: 83 Resp: 759125
Ion Ratio Lower Upper
83 100
85 63.5 49.4 74.0
127 8.1 6.6 10.0



#45
4-Methyl-2-Pentanone
Concen: 0.097 ug/l
RT: 7.806 min Scan# 2011
Delta R.T. 0.013 min
Lab File: VU051111.D
Acq: 04 Oct 2022 17:08

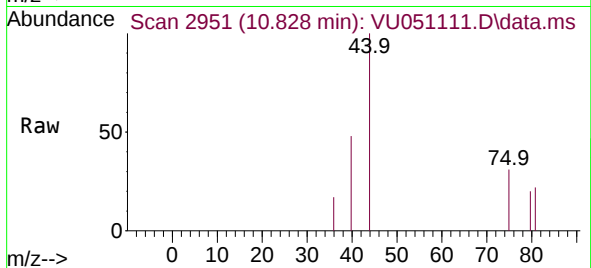
Tgt Ion: 43 Resp: 864
Ion Ratio Lower Upper
43 100
58 19.9 20.3 61.0#
85 4.6 14.6 21.8#



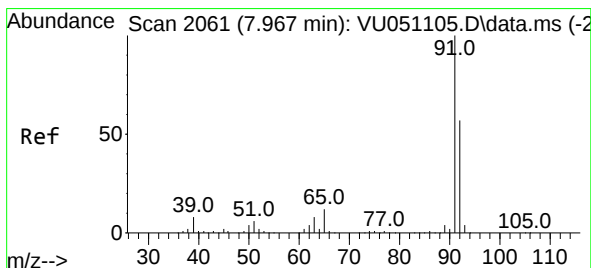
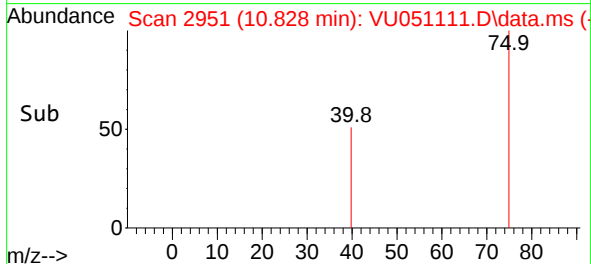
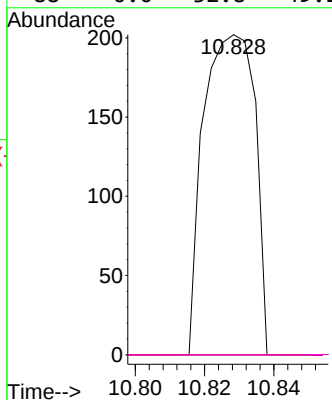


#46
t-1,4-Dichloro-2-butene
Concen: 0.071 ug/l
RT: 10.828 min Scan# 2953
Delta R.T. -0.007 min
Lab File: VU051111.D
Acq: 04 Oct 2022 17:08

Instrument : MSVOA_U
ClientSampleId :

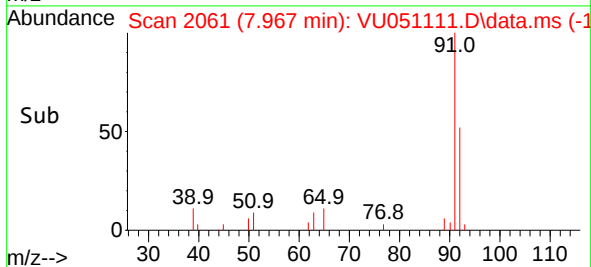
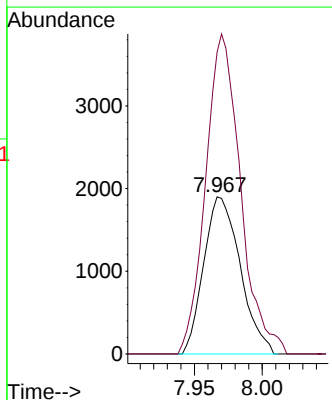
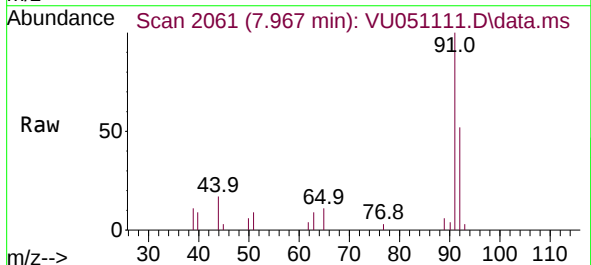


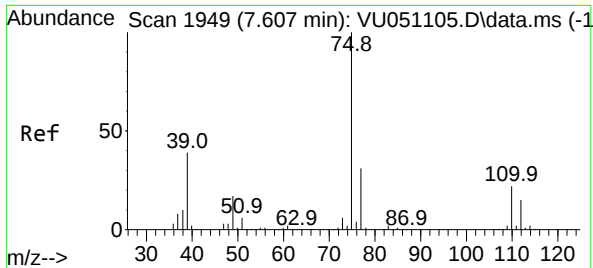
Tgt Ion: 75 Resp: 208
Ion Ratio Lower Upper
75 100
53 0.0 64.4 96.6#
89 0.0 44.2 66.2#
88 0.0 32.8 49.2#



#49
Toluene
Concen: 0.113 ug/l
RT: 7.967 min Scan# 2061
Delta R.T. -0.000 min
Lab File: VU051111.D
Acq: 04 Oct 2022 17:08

Tgt Ion: 92 Resp: 3555
Ion Ratio Lower Upper
92 100
91 194.9 138.6 207.8

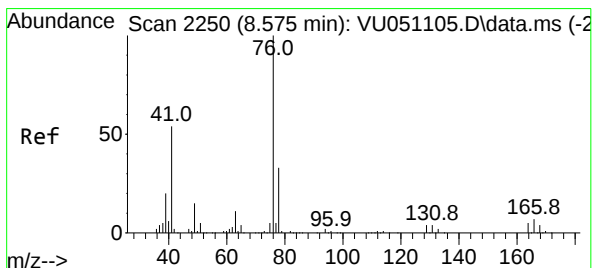
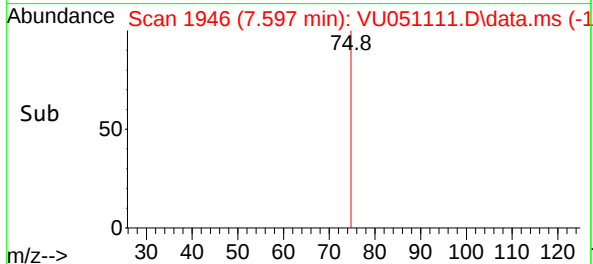
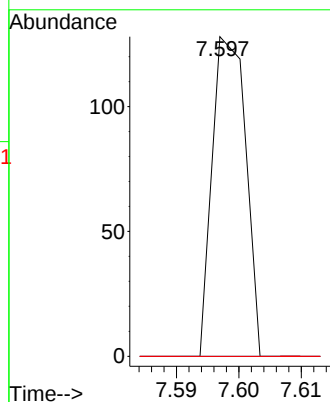
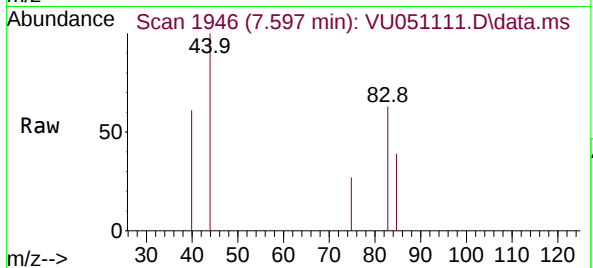




#51
 cis-1,3-Dichloropropene
 Concen: 0.003 ug/l
 RT: 7.597 min Scan# 1946
 Delta R.T. -0.010 min
 Lab File: VU051111.D
 Acq: 04 Oct 2022 17:08

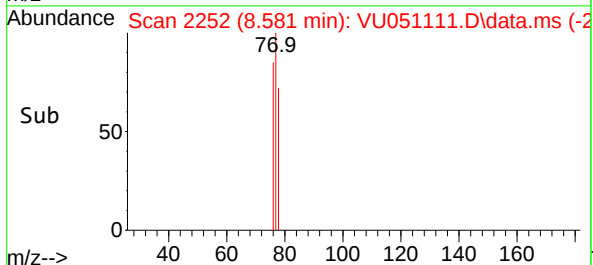
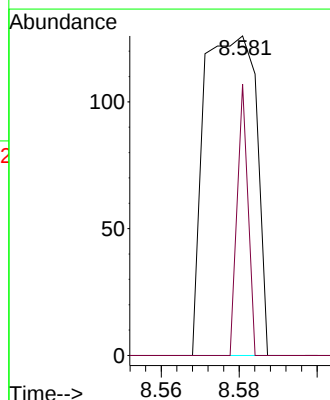
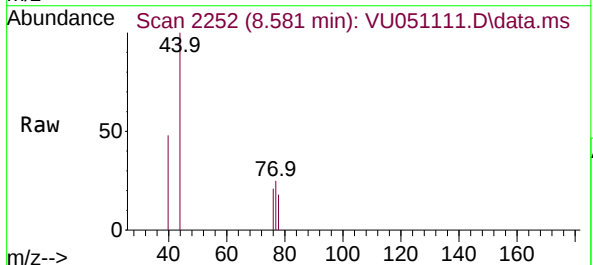
Instrument :
 MSVOA_U
 ClientSampleId :

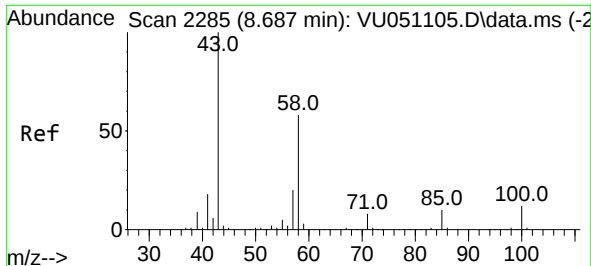
Tgt Ion: 75 Resp: 48
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#
 39 0.0 35.1 52.7#



#53
 1,3-Dichloropropane
 Concen: 0.006 ug/l
 RT: 8.581 min Scan# 2252
 Delta R.T. 0.006 min
 Lab File: VU051111.D
 Acq: 04 Oct 2022 17:08

Tgt Ion: 76 Resp: 116
 Ion Ratio Lower Upper
 76 100
 78 18.1 26.0 39.0#

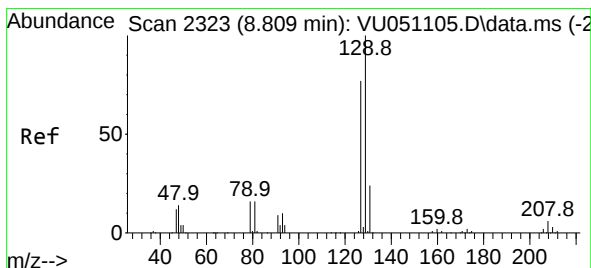
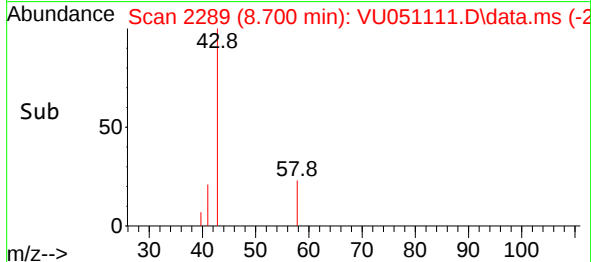
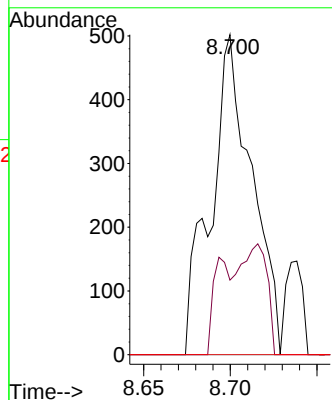
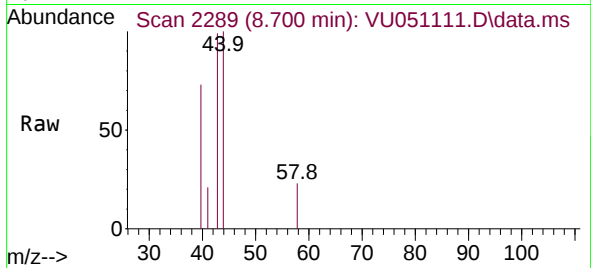




#54
2-Hexanone
Concen: 0.131 ug/l
RT: 8.700 min Scan# 211
Delta R.T. 0.013 min
Lab File: VU051111.D
Acq: 04 Oct 2022 17:08

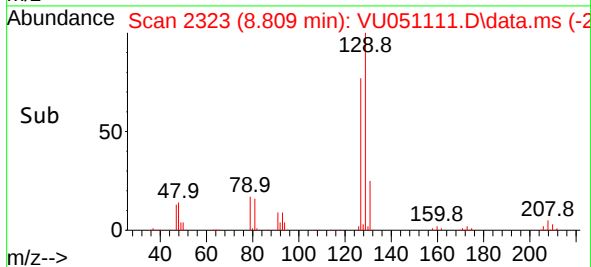
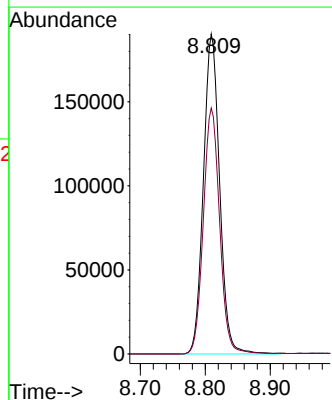
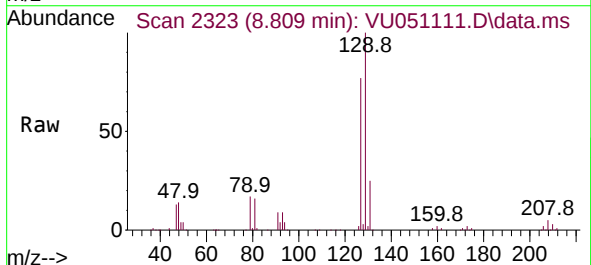
Instrument :
MSVOA_U
ClientSampleId :

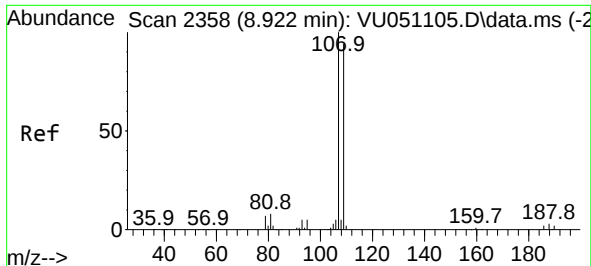
Tgt Ion: 43 Resp: 828
Ion Ratio Lower Upper
43 100
58 12.3 37.1 77.1#
57 0.0 0.0 39.5



#55
Dibromochloromethane
Concen: 24.692 ug/l
RT: 8.809 min Scan# 2323
Delta R.T. -0.000 min
Lab File: VU051111.D
Acq: 04 Oct 2022 17:08

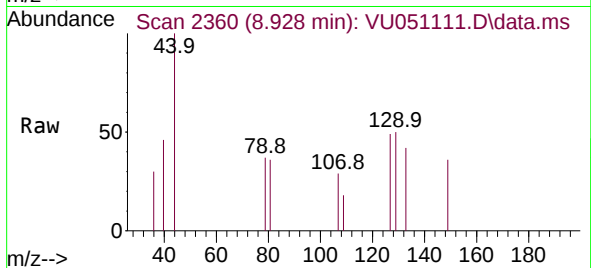
Tgt Ion: 129 Resp: 331087
Ion Ratio Lower Upper
129 100
127 77.2 61.2 91.8



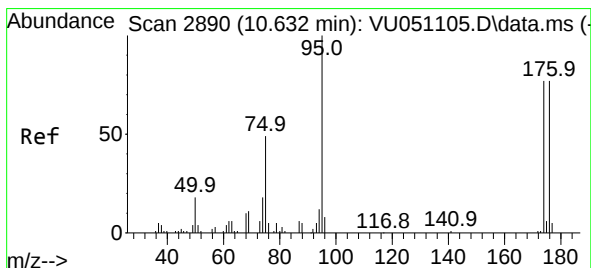
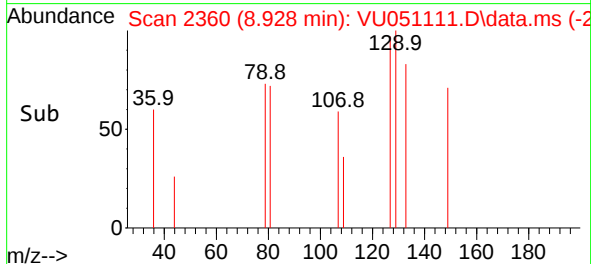
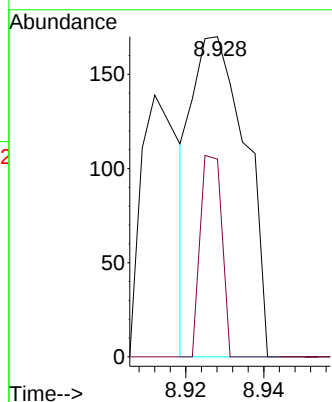


#56
1,2-Dibromoethane
Concen: 0.015 ug/l
RT: 8.928 min Scan# 21
Delta R.T. 0.006 min
Lab File: VU051111.D
Acq: 04 Oct 2022 17:08

Instrument :
MSVOA_U
ClientSampleId :

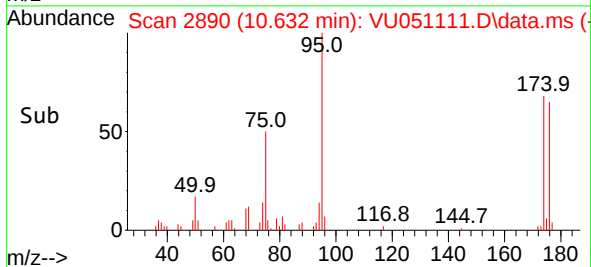
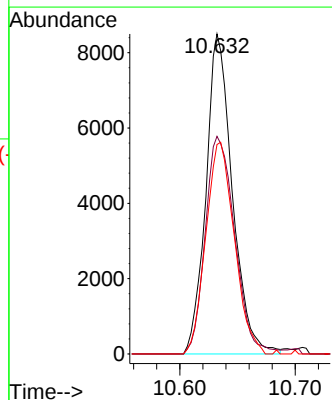
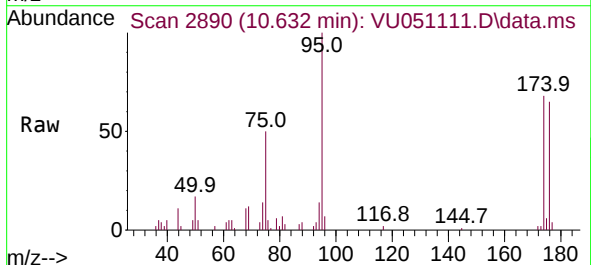


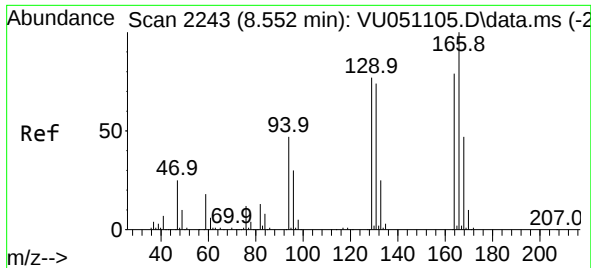
Tgt Ion:107 Resp: 163
Ion Ratio Lower Upper
107 100
109 25.2 0.0 187.2



#57
4-Bromofluorobenzene
Concen: 0.858 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.000 min
Lab File: VU051111.D
Acq: 04 Oct 2022 17:08

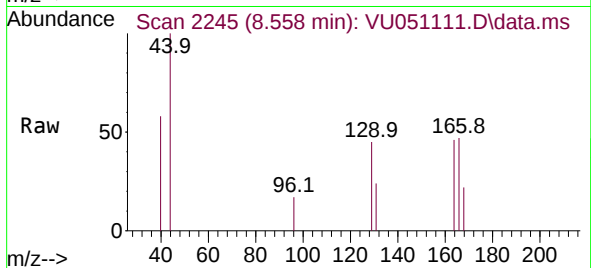
Tgt Ion: 95 Resp: 13490
Ion Ratio Lower Upper
95 100
174 76.0 62.4 93.6
176 71.4 56.2 84.2



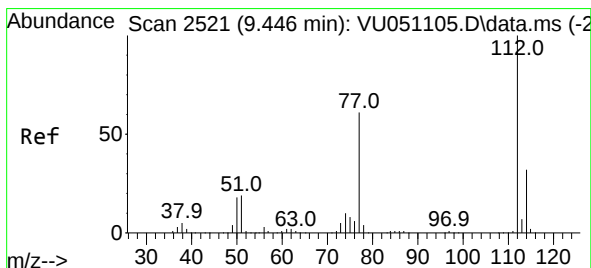
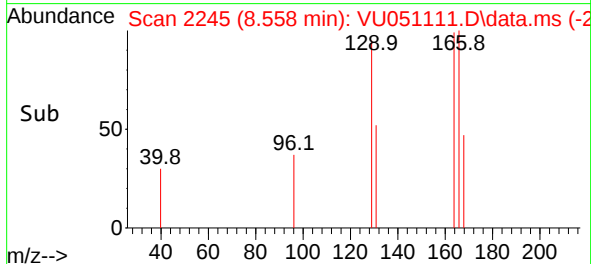
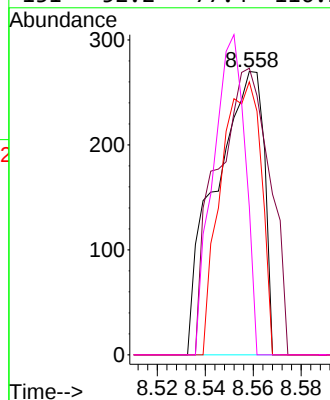


#58
Tetrachloroethene
Concen: 0.027 ug/l
RT: 8.558 min Scan# 211
Delta R.T. 0.006 min
Lab File: VU051111.D
Acq: 04 Oct 2022 17:08

Instrument :
MSVOA_U
ClientSampleId :

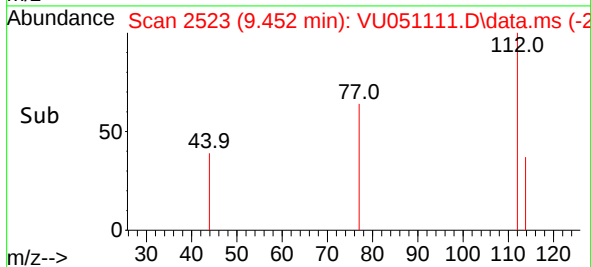
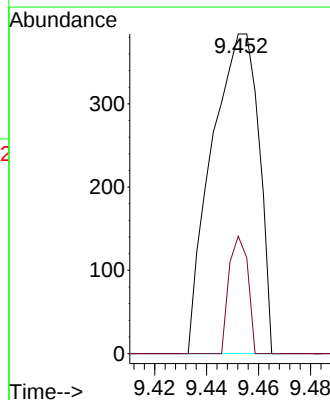
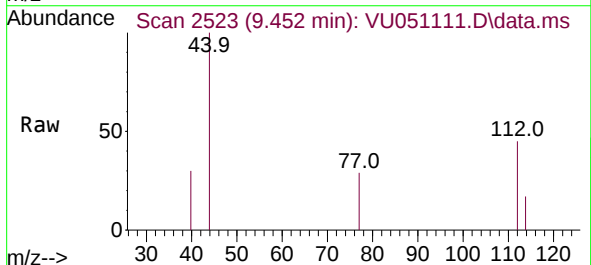


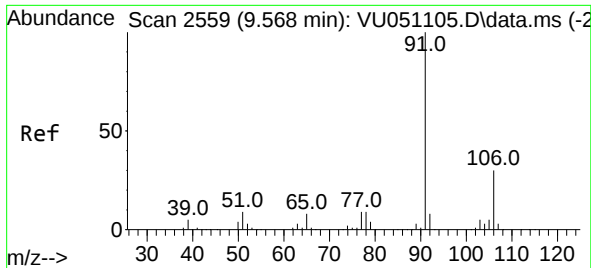
Tgt Ion:	164	Resp:	379
Ion	Ratio	Lower	Upper
164	100		
166	101.1	102.4	153.6#
129	96.3	79.5	119.3
131	52.2	77.4	116.2#



#59
Chlorobenzene
Concen: 0.014 ug/l
RT: 9.452 min Scan# 2523
Delta R.T. 0.006 min
Lab File: VU051111.D
Acq: 04 Oct 2022 17:08

Tgt Ion:	112	Resp:	483
Ion	Ratio	Lower	Upper
112	100		
114	36.7	24.9	37.3

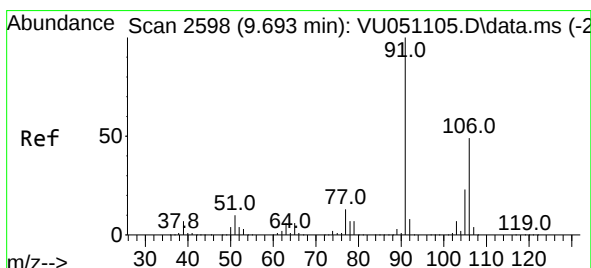
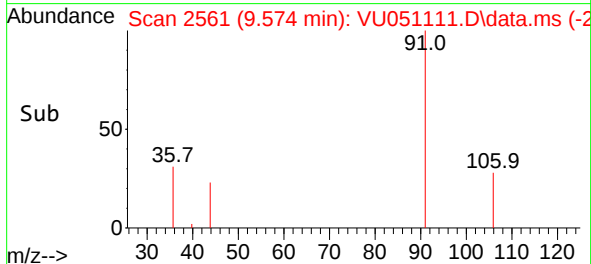
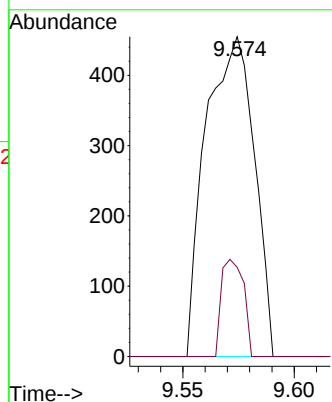
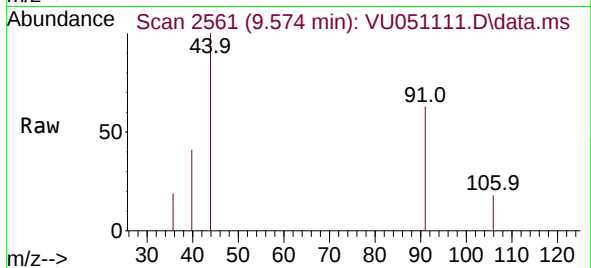




#63
Ethyl Benzene
Concen: 0.013 ug/l
RT: 9.574 min Scan# 2561
Delta R.T. 0.006 min
Lab File: VU051111.D
Acq: 04 Oct 2022 17:08

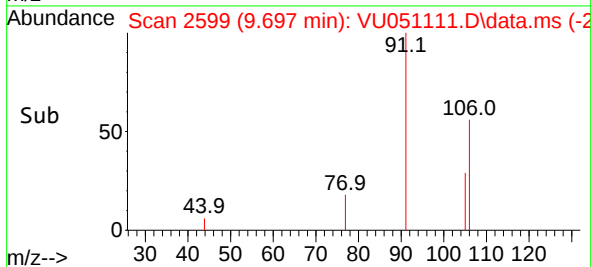
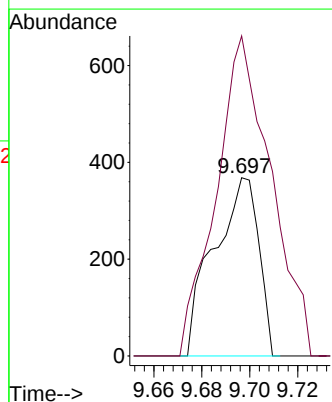
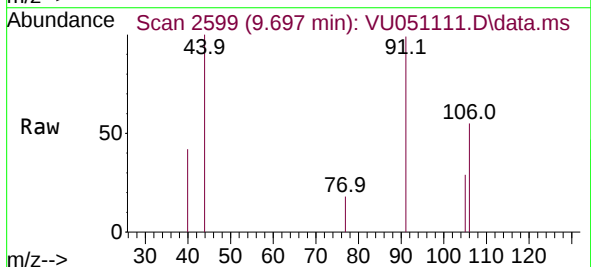
Instrument :
MSVOA_U
ClientSampleId :

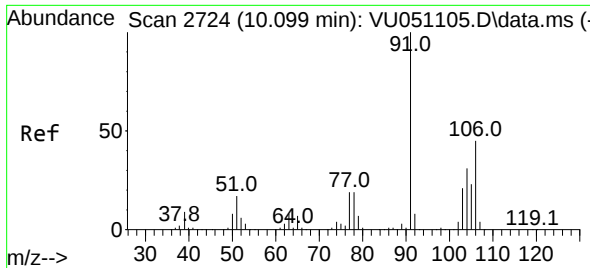
Tgt Ion: 91 Resp: 688
Ion Ratio Lower Upper
91 100
106 27.9 24.4 36.6



#64
m/p-Xylenes
Concen: 0.893 ug/l
RT: 9.697 min Scan# 2599
Delta R.T. 0.004 min
Lab File: VU051111.D
Acq: 04 Oct 2022 17:08

Tgt Ion: 106 Resp: 478
Ion Ratio Lower Upper
106 100
91 219.2 167.8 251.6

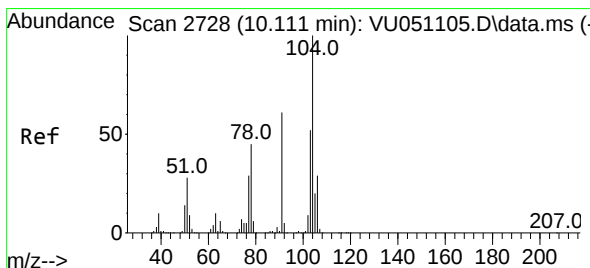
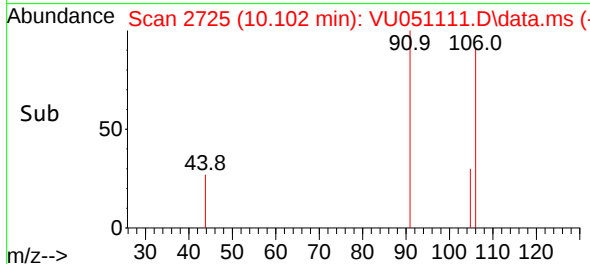
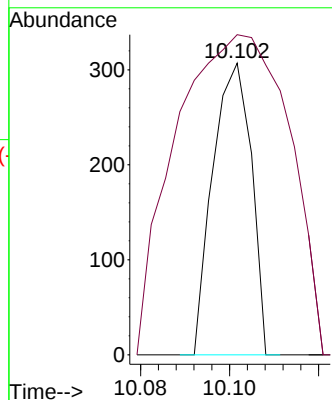
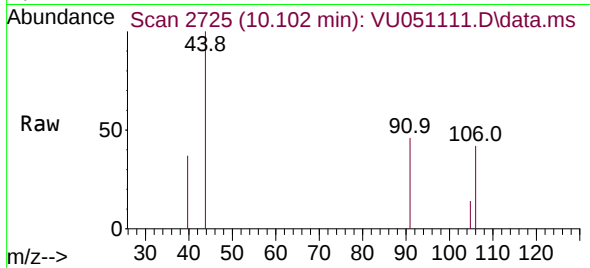




#65
o-Xylene
Concen: 0.009 ug/l
RT: 10.102 min Scan# 2725
Delta R.T. 0.003 min
Lab File: VU051111.D
Acq: 04 Oct 2022 17:08

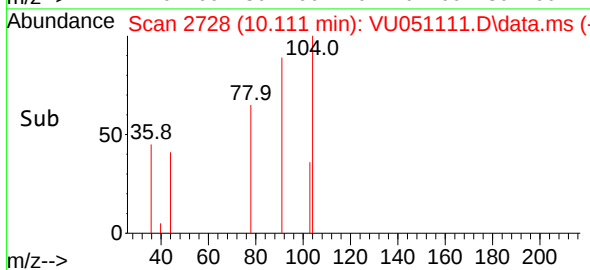
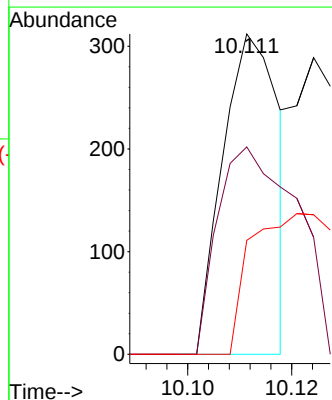
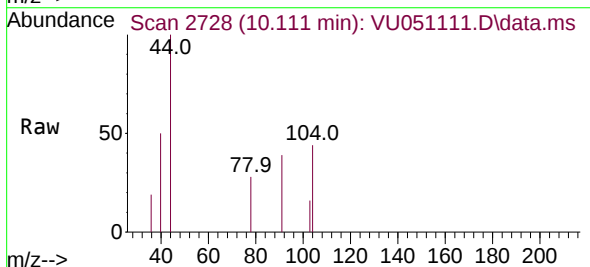
Instrument :
MSVOA_U
ClientSampleId :

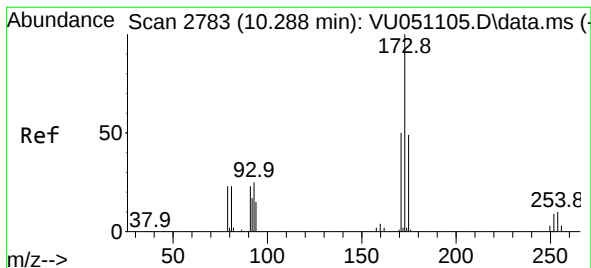
Tgt Ion:106 Resp: 184
Ion Ratio Lower Upper
106 100
91 50766.3 111.1 333.2#



#66
Styrene
Concen: 0.494 ug/l
RT: 10.111 min Scan# 2728
Delta R.T. 0.000 min
Lab File: VU051111.D
Acq: 04 Oct 2022 17:08

Tgt Ion:104 Resp: 233
Ion Ratio Lower Upper
104 100
78 91.8 42.1 63.1#
103 80.7 44.5 66.7#





#67

Bromoform

Concen: 50.037 ug/l

RT: 10.288 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU051111.D

Acq: 04 Oct 2022 17:08

Instrument :

MSVOA_U

ClientSampleId :

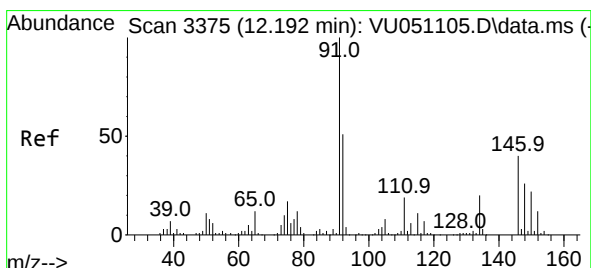
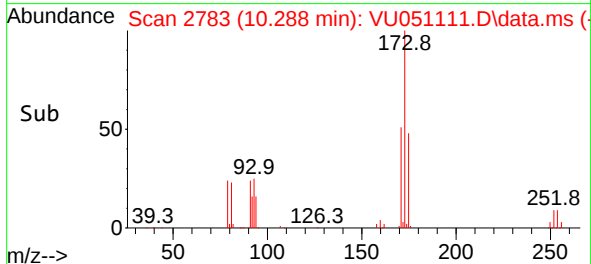
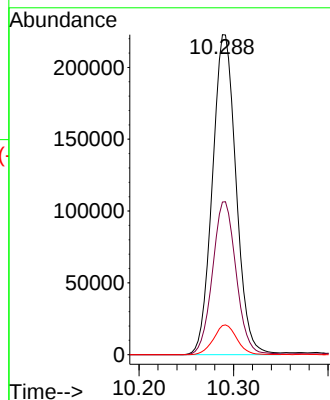
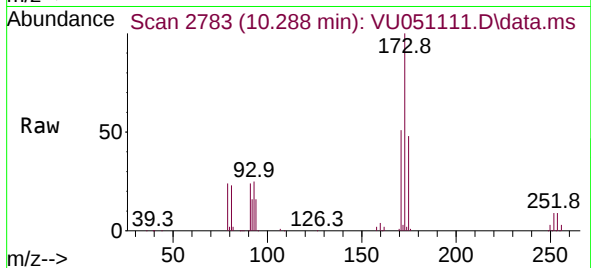
Tgt Ion:173 Resp: 387259

Ion Ratio Lower Upper

173 100

175 47.8 38.4 57.6

254 9.2 7.7 11.5



#68

1,2-Dichlorobenzene-d4

Concen: 0.835 ug/l

RT: 12.192 min Scan# 3375

Delta R.T. -0.000 min

Lab File: VU051111.D

Acq: 04 Oct 2022 17:08

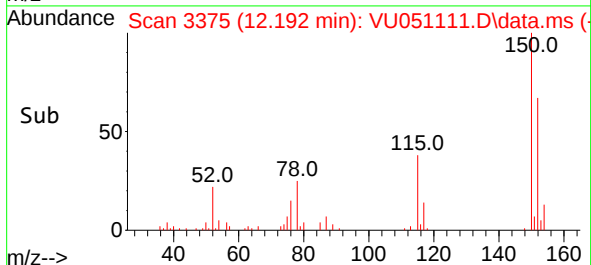
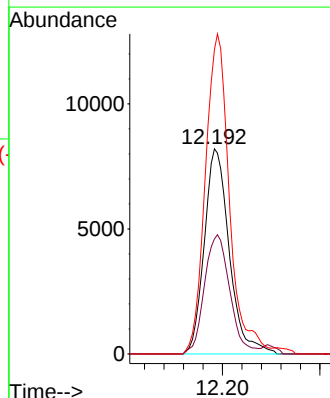
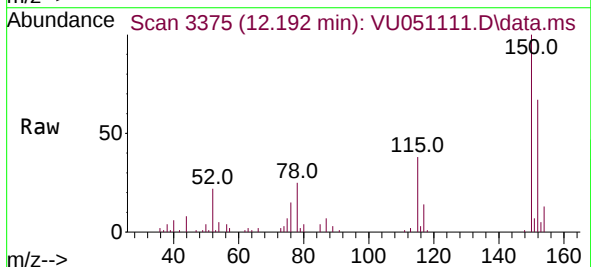
Tgt Ion:152 Resp: 14609

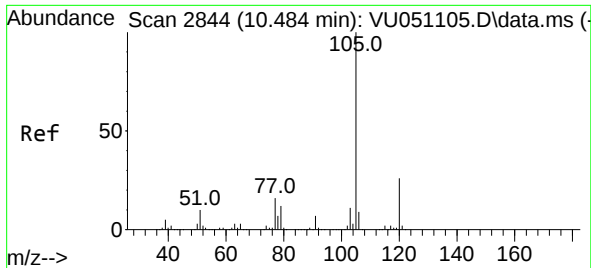
Ion Ratio Lower Upper

152 100

115 59.0 0.0 254.6

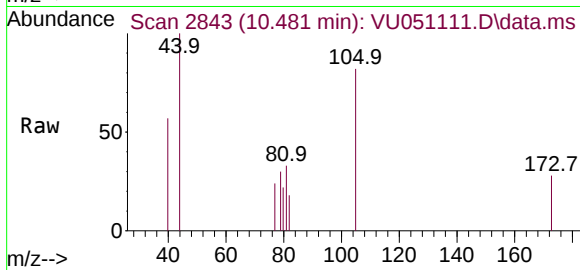
150 152.1 0.0 623.6



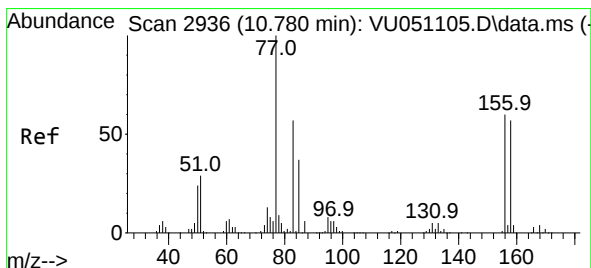
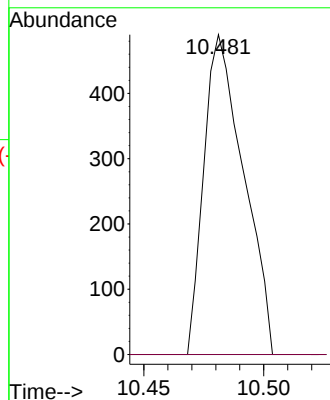
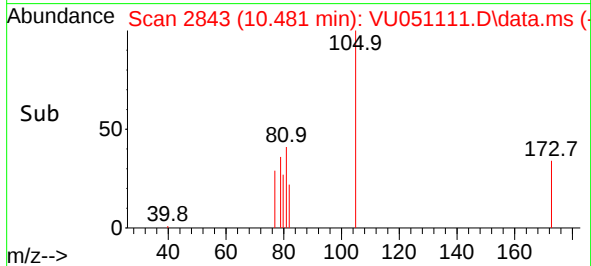


#69
Isopropylbenzene
Concen: 0.481 ug/l
RT: 10.481 min Scan# 2844
Delta R.T. -0.003 min
Lab File: VU051111.D
Acq: 04 Oct 2022 17:08

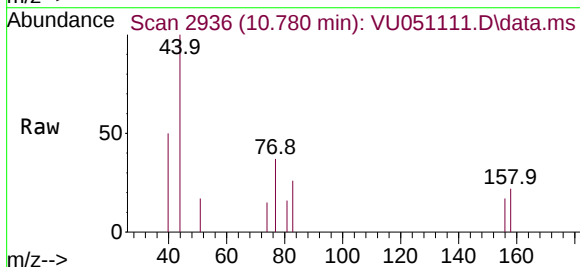
Instrument :
MSVOA_U
ClientSampleId :



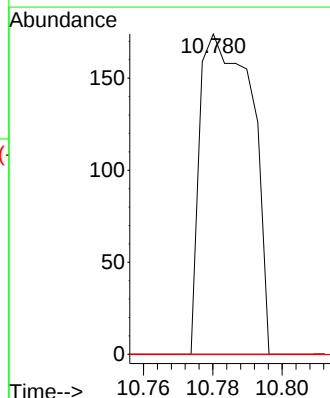
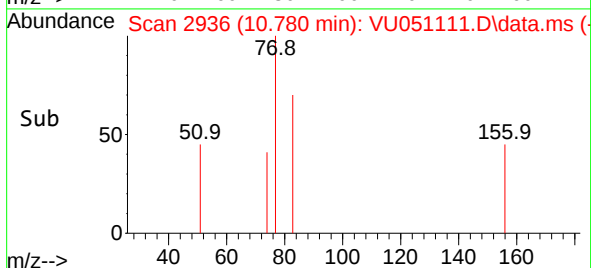
Tgt Ion:105 Resp: 564
Ion Ratio Lower Upper
105 100
120 0.0 12.6 37.8#

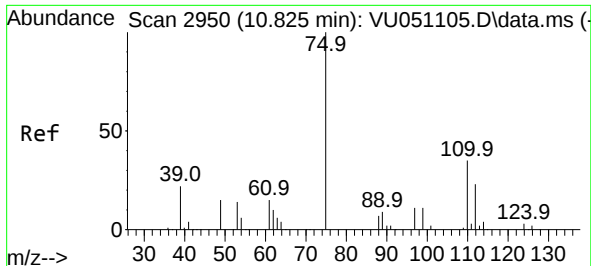


#70
1,1,2,2-Tetrachloroethane
Concen: 0.011 ug/l
RT: 10.780 min Scan# 2936
Delta R.T. -0.000 min
Lab File: VU051111.D
Acq: 04 Oct 2022 17:08



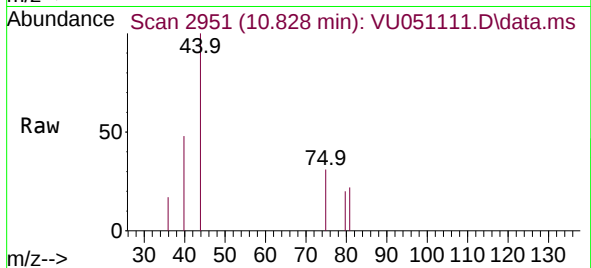
Tgt Ion: 83 Resp: 179
Ion Ratio Lower Upper
83 100
131 0.0 7.7 11.5#
85 0.0 51.2 76.8#



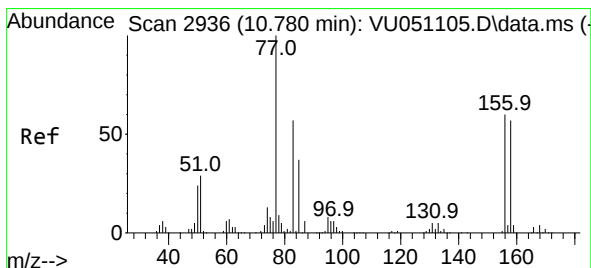
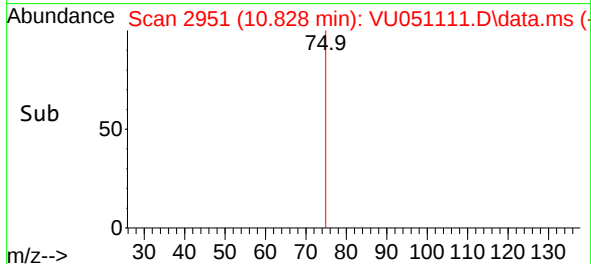
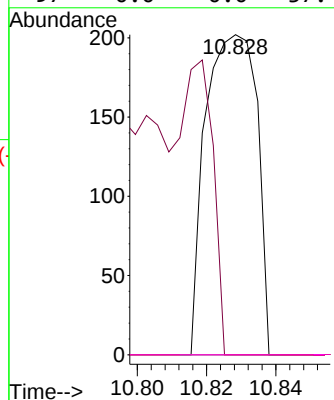


#71
1,2,3-Trichloropropane
Concen: 0.016 ug/l
RT: 10.828 min Scan# 2950
Delta R.T. 0.003 min
Lab File: VU051111.D
Acq: 04 Oct 2022 17:08

Instrument :
MSVOA_U
ClientSampleId :

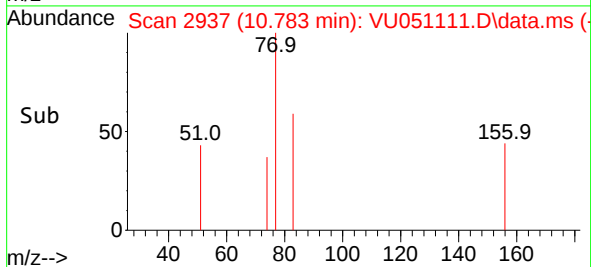
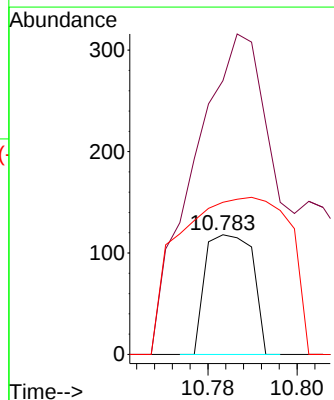
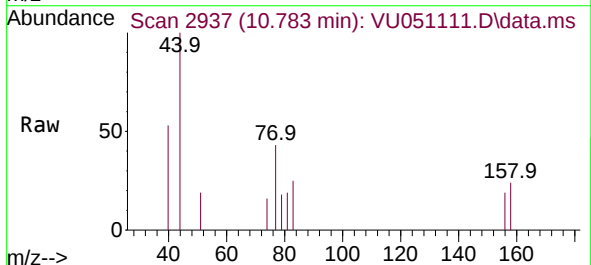


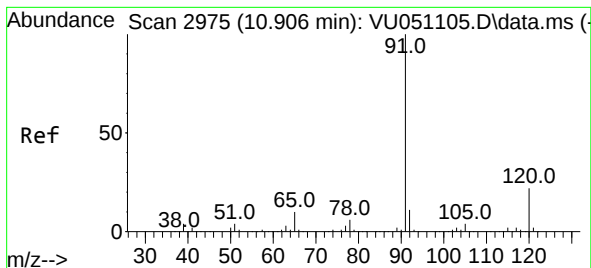
Tgt Ion	Ratio	Lower	Upper
75	100		
77	58.7	0.0	112.4
110	0.0	0.0	70.6
97	0.0	0.0	37.4



#72
Bromobenzene
Concen: 0.006 ug/l
RT: 10.783 min Scan# 2937
Delta R.T. 0.003 min
Lab File: VU051111.D
Acq: 04 Oct 2022 17:08

Tgt Ion	Ratio	Lower	Upper
156	100		
77	556.3	0.0	344.4#
158	305.7	0.0	192.2#





#73

n-propylbenzene

Concen: 0.539 ug/l

RT: 11.092 min Scan# 3033

Delta R.T. 0.186 min

Lab File: VU051111.D

Acq: 04 Oct 2022 17:08

Instrument :

MSVOA_U

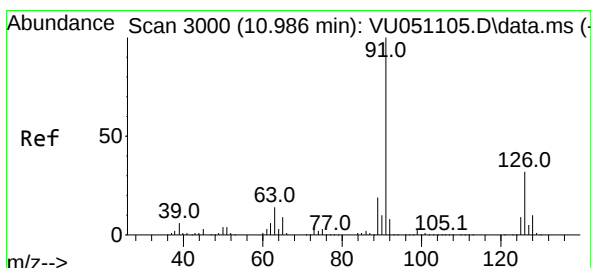
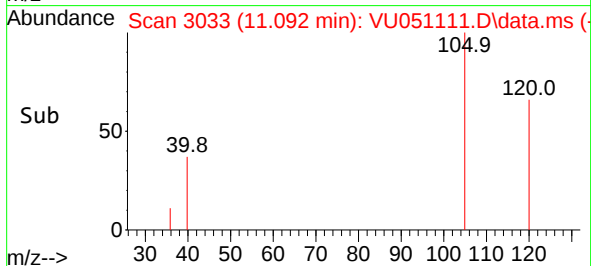
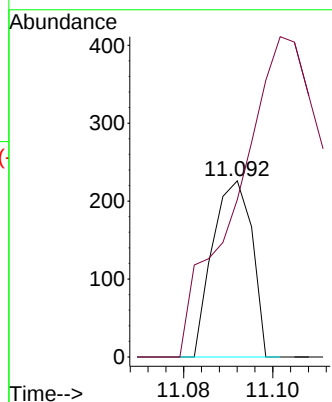
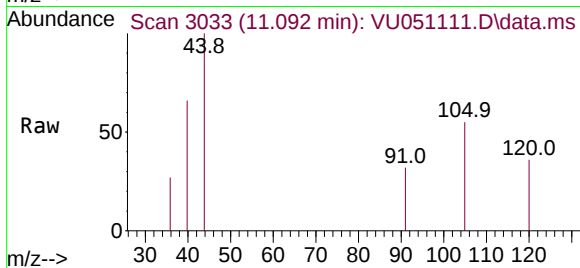
ClientSampleId :

Tgt Ion:120 Resp: 139

Ion Ratio Lower Upper

120 100

91 391.4 367.8 551.6



#74

2-Chlorotoluene

Concen: 0.003 ug/l

RT: 10.986 min Scan# 3000

Delta R.T. -0.000 min

Lab File: VU051111.D

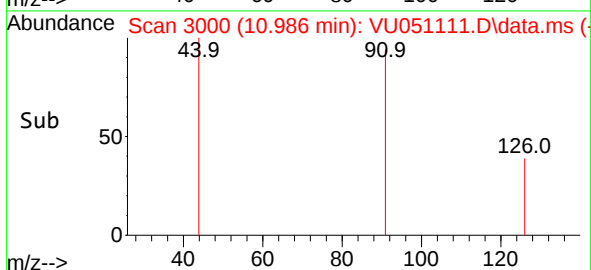
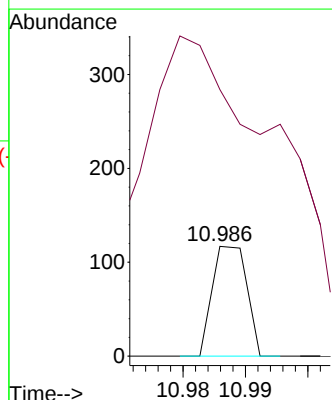
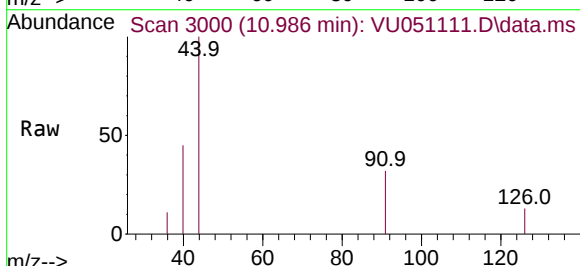
Acq: 04 Oct 2022 17:08

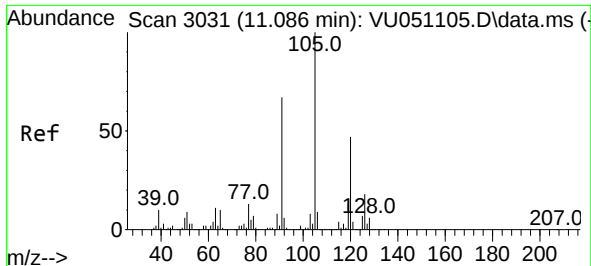
Tgt Ion:126 Resp: 45

Ion Ratio Lower Upper

126 100

91 1188.9 0.0 620.6#

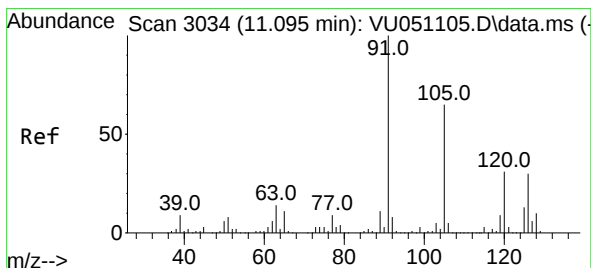
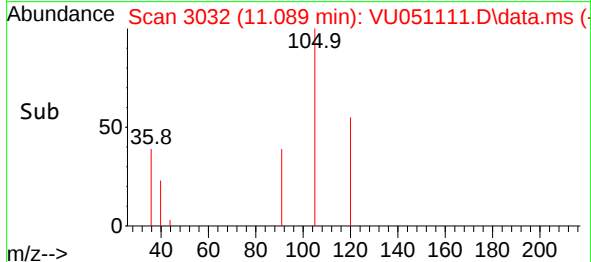
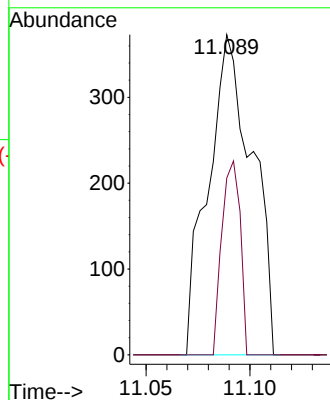
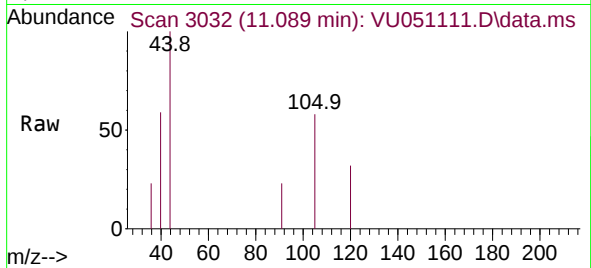




#75
1,3,5-Trimethylbenzene
Concen: 0.485 ug/l
RT: 11.089 min Scan# 3031
Delta R.T. 0.003 min
Lab File: VU051111.D
Acq: 04 Oct 2022 17:08

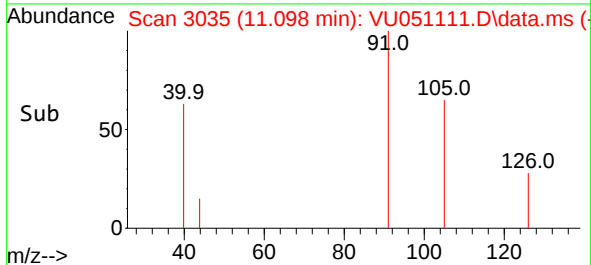
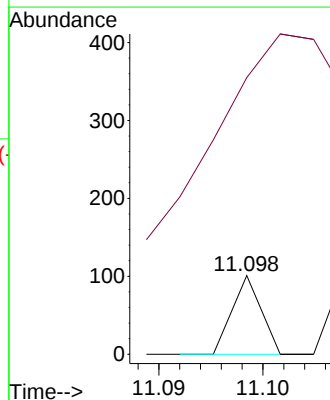
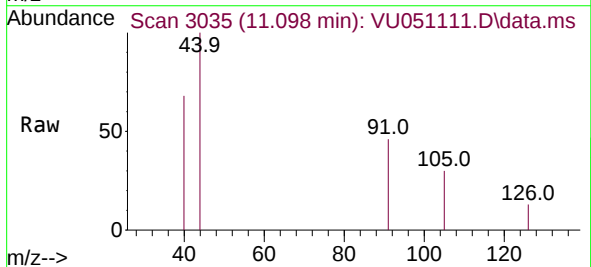
Instrument :
MSVOA_U
ClientSampleId :

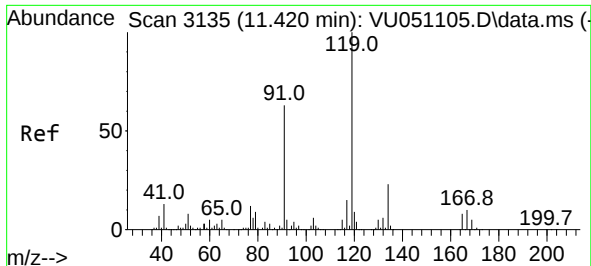
Tgt Ion:105 Resp: 550
Ion Ratio Lower Upper
105 100
120 25.3 37.6 56.4#



#76
4-Chlorotoluene
Concen: 0.378 ug/l
RT: 11.098 min Scan# 3035
Delta R.T. 0.003 min
Lab File: VU051111.D
Acq: 04 Oct 2022 17:08

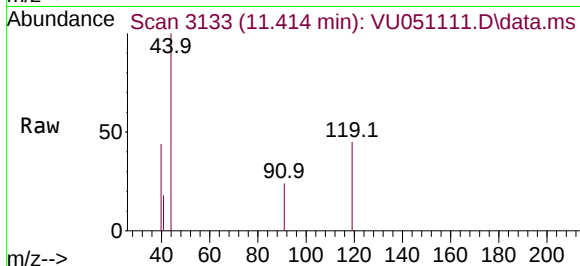
Tgt Ion:126 Resp: 19
Ion Ratio Lower Upper
126 100
91 2863.2 0.0 738.8#



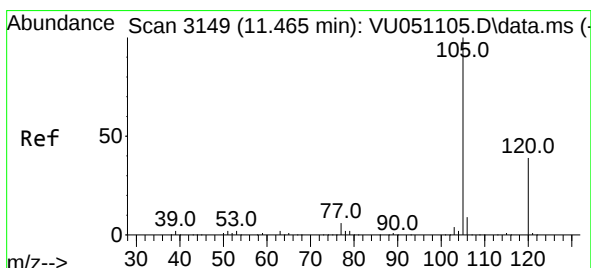
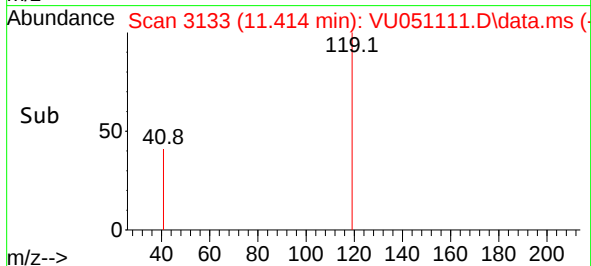
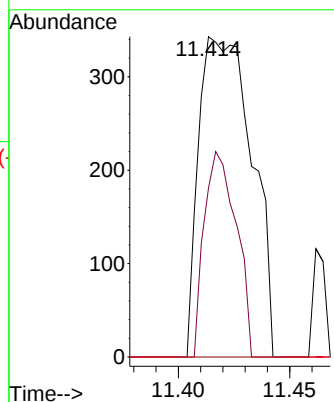


#77
 tert-Butylbenzene
 Concen: 0.014 ug/l
 RT: 11.414 min Scan# 3135
 Delta R.T. -0.007 min
 Lab File: VU051111.D
 Acq: 04 Oct 2022 17:08

Instrument :
 MSVOA_U
 ClientSampleId :

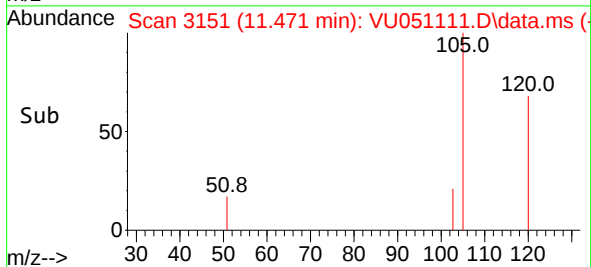
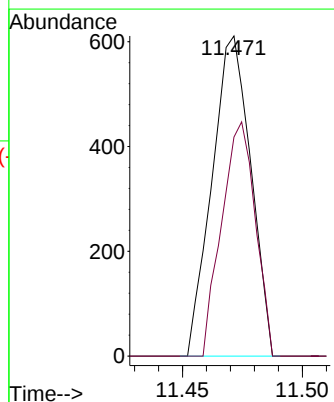
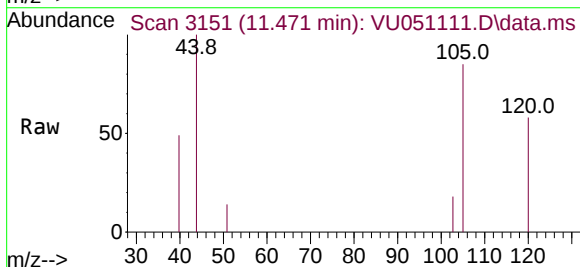


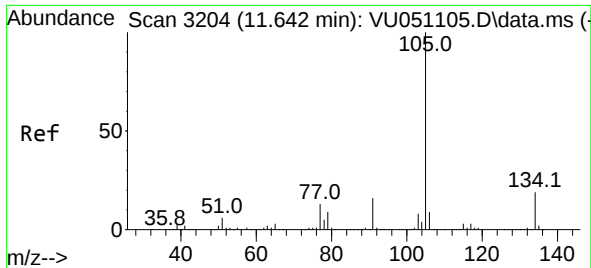
Tgt Ion:119	Resp:	567
Ion	Ratio	Lower Upper
119	100	
91	38.8	30.4 91.3
134	0.0	17.8 26.6#



#78
 1,2,4-Trimethylbenzene
 Concen: 0.504 ug/l
 RT: 11.471 min Scan# 3151
 Delta R.T. 0.006 min
 Lab File: VU051111.D
 Acq: 04 Oct 2022 17:08

Tgt Ion:105	Resp:	685
Ion	Ratio	Lower Upper
105	100	
120	63.5	21.6 65.0

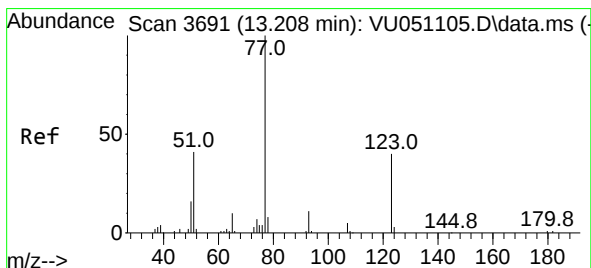
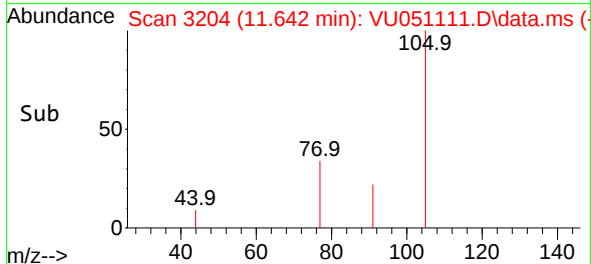
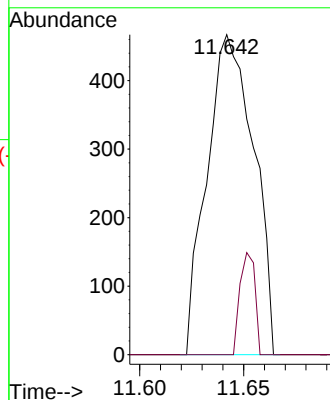
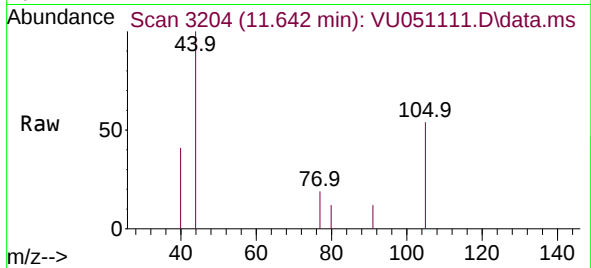




#79
 sec-Butylbenzene
 Concen: 0.447 ug/l
 RT: 11.642 min Scan# 311
 Delta R.T. -0.000 min
 Lab File: VU051111.D
 Acq: 04 Oct 2022 17:08

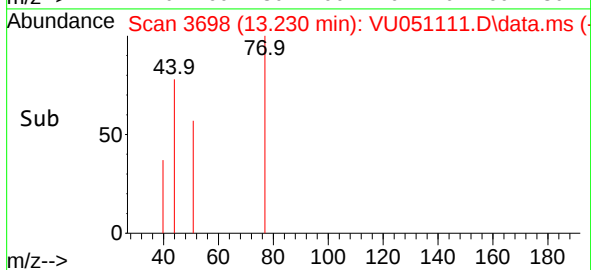
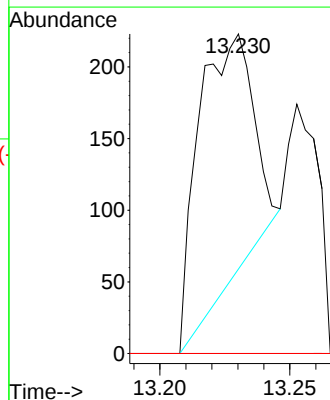
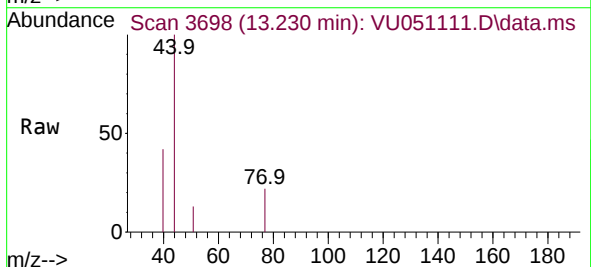
Instrument :
 MSVOA_U
 ClientSampleId :

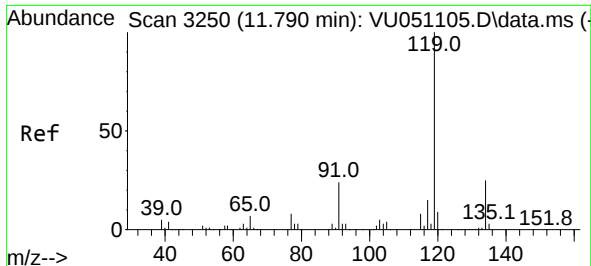
Tgt Ion:105 Resp: 730
 Ion Ratio Lower Upper
 105 100
 134 10.3 15.4 23.0#



#80
 Nitrobenzene
 Concen: Below Cal
 RT: 13.230 min Scan# 3698
 Delta R.T. 0.022 min
 Lab File: VU051111.D
 Acq: 04 Oct 2022 17:08

Tgt Ion: 77 Resp: 265
 Ion Ratio Lower Upper
 77 100
 123 0.0 18.1 64.3#
 65 0.0 10.8 13.8#





#81

p-Isopropyltoluene

Concen: 0.553 ug/l

RT: 11.799 min Scan# 31

Delta R.T. 0.009 min

Lab File: VU051111.D

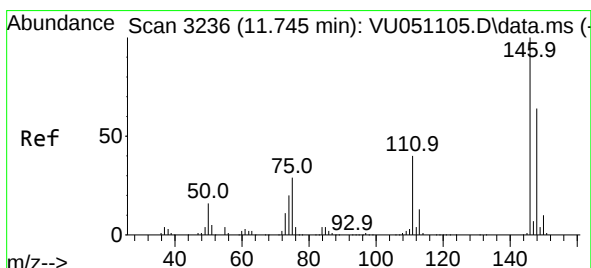
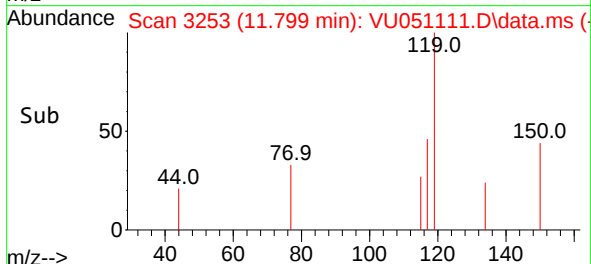
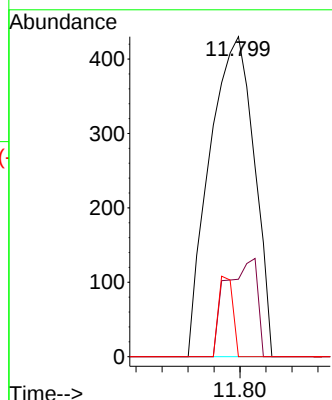
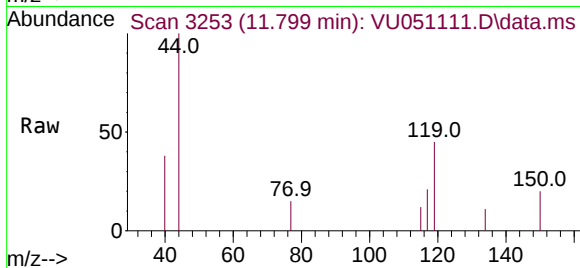
Acq: 04 Oct 2022 17:08

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:119	Resp:	511
Ion Ratio	Lower	Upper
119	100	
134	21.3	20.5 30.7
91	0.0	19.8 29.6#



#82

1,3-Dichlorobenzene

Concen: 0.027 ug/l

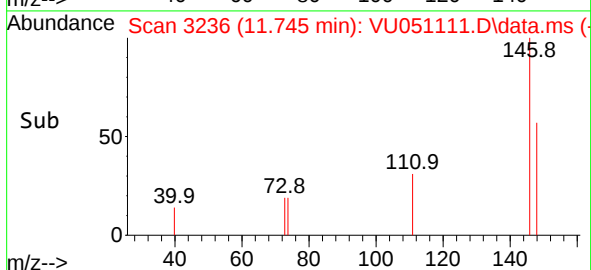
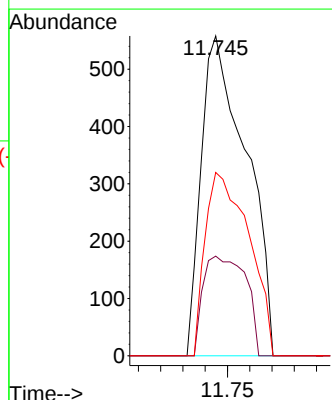
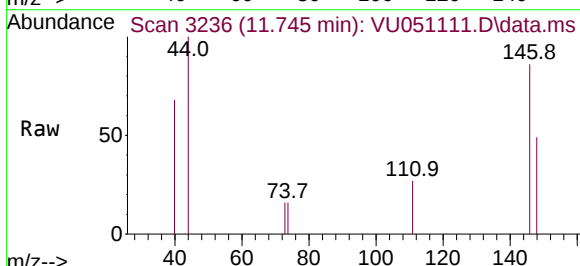
RT: 11.745 min Scan# 3236

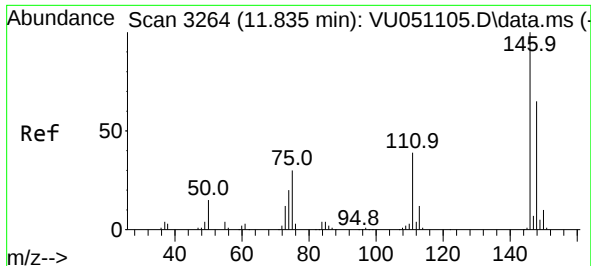
Delta R.T. -0.000 min

Lab File: VU051111.D

Acq: 04 Oct 2022 17:08

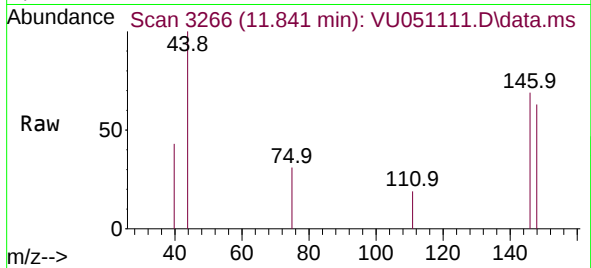
Tgt Ion:146	Resp:	783
Ion Ratio	Lower	Upper
146	100	
111	29.4	33.4 50.2#
148	55.8	51.2 76.8



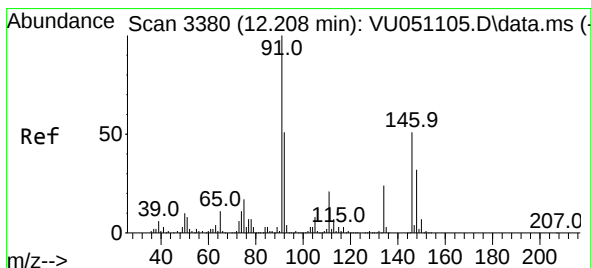
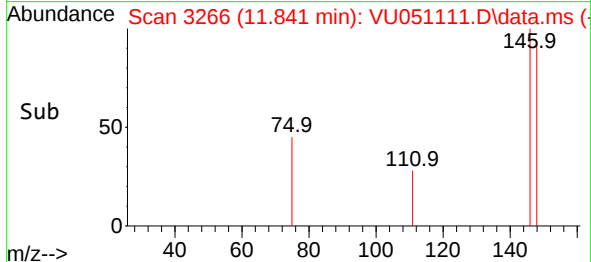
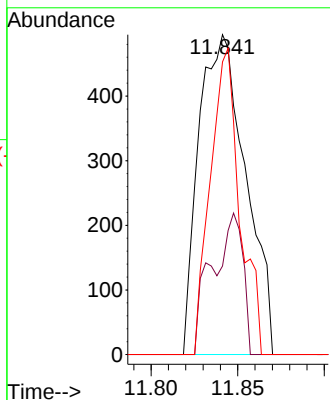


#83
1,4-Dichlorobenzene
Concen: 0.032 ug/l
RT: 11.841 min Scan# 31
Delta R.T. 0.006 min
Lab File: VU051111.D
Acq: 04 Oct 2022 17:08

Instrument :
MSVOA_U
ClientSampleId :

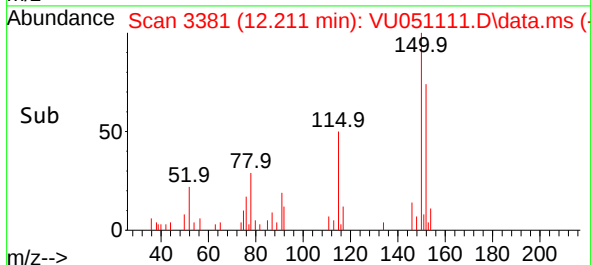
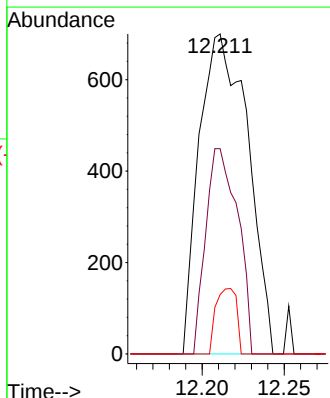
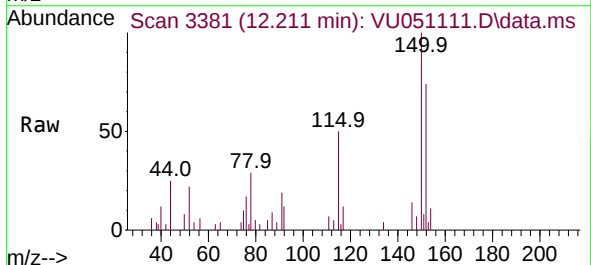


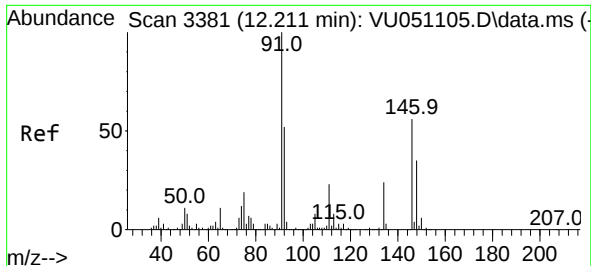
Tgt Ion:146 Resp: 931
Ion Ratio Lower Upper
146 100
111 18.2 32.6 49.0#
148 60.2 51.6 77.4



#84
n-Butylbenzene
Concen: 0.605 ug/l
RT: 12.211 min Scan# 3381
Delta R.T. 0.003 min
Lab File: VU051111.D
Acq: 04 Oct 2022 17:08

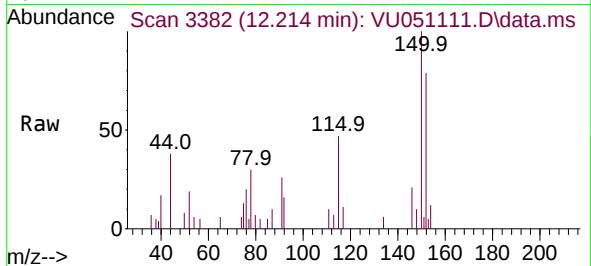
Tgt Ion: 91 Resp: 1439
Ion Ratio Lower Upper
91 100
92 42.2 42.3 63.5#
134 8.6 19.6 29.4#



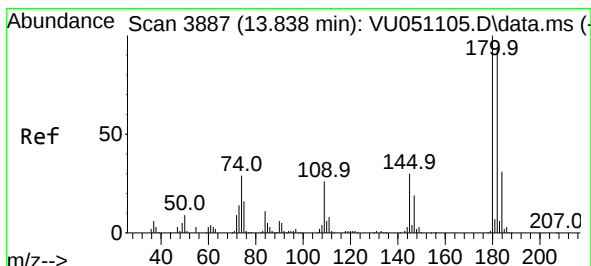
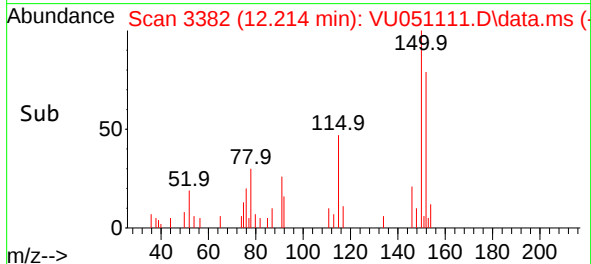
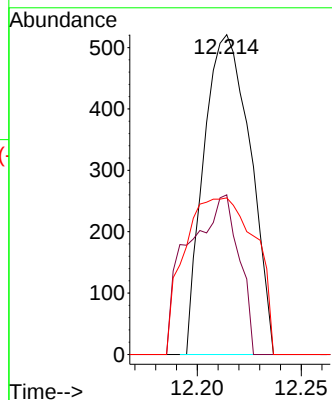


#85
 1,2-Dichlorobenzene
 Concen: 0.028 ug/l
 RT: 12.214 min Scan# 311
 Delta R.T. 0.003 min
 Lab File: VU051111.D
 Acq: 04 Oct 2022 17:08

Instrument :
 MSVOA_U
 ClientSampleId :

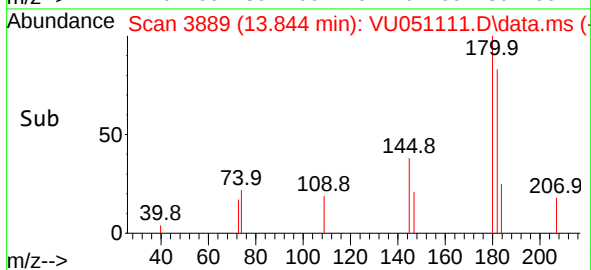
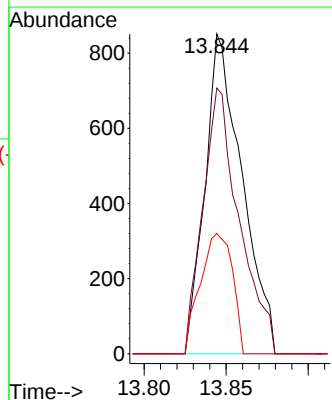
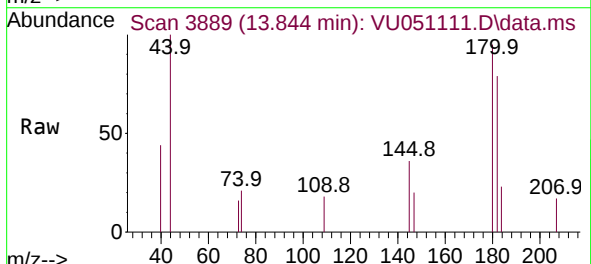


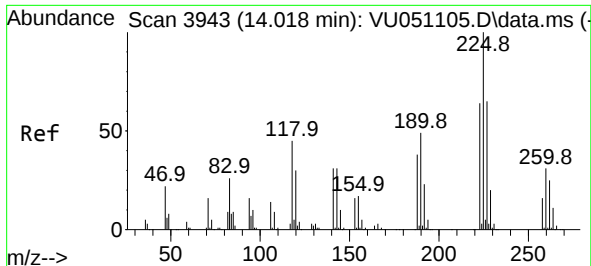
Tgt Ion:146 Resp: 807
 Ion Ratio Lower Upper
 146 100
 111 54.5 22.1 66.1
 148 74.3 32.1 96.3



#87
 1,2,4-Trichlorobenzene
 Concen: 0.446 ug/l
 RT: 13.844 min Scan# 3889
 Delta R.T. 0.006 min
 Lab File: VU051111.D
 Acq: 04 Oct 2022 17:08

Tgt Ion:180 Resp: 1331
 Ion Ratio Lower Upper
 180 100
 182 81.6 77.0 115.6
 145 32.7 25.7 38.5

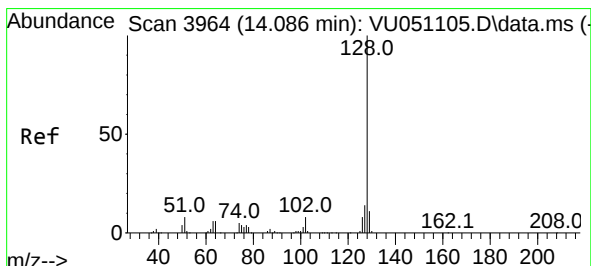
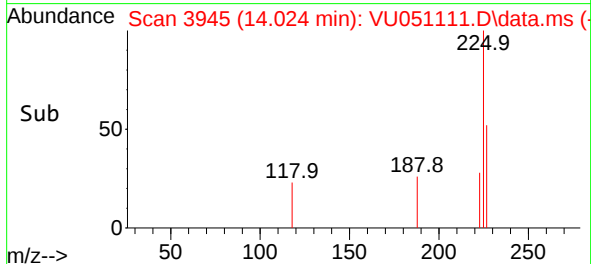
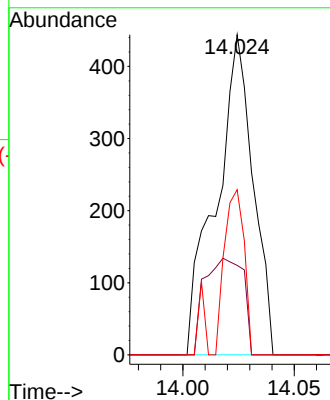
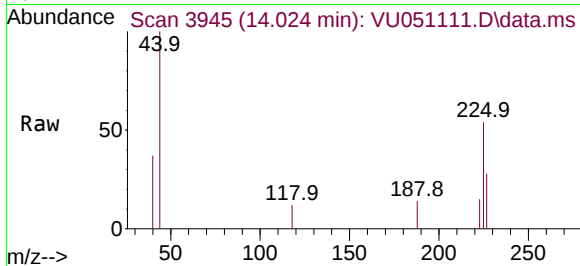




#88
Hexachlorobutadiene
Concen: 0.051 ug/l
RT: 14.024 min Scan# 3945
Delta R.T. 0.006 min
Lab File: VU051111.D
Acq: 04 Oct 2022 17:08

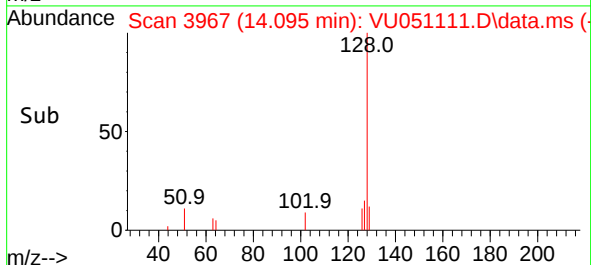
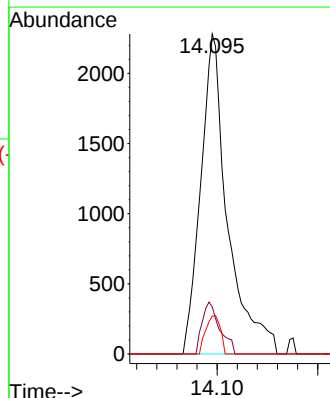
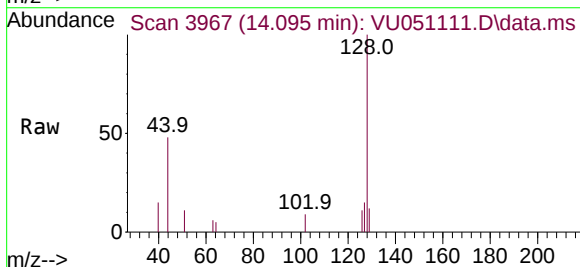
Instrument :
MSVOA_U
ClientSampleId :

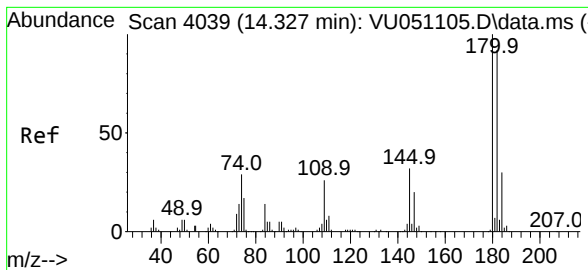
Tgt Ion:225 Resp: 513
Ion Ratio Lower Upper
225 100
223 31.6 50.6 76.0#
227 27.5 50.7 76.1#



#89
Naphthalene
Concen: 0.152 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.010 min
Lab File: VU051111.D
Acq: 04 Oct 2022 17:08

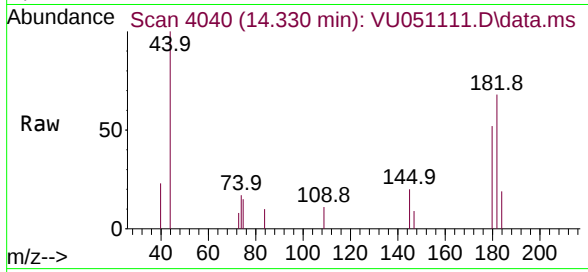
Tgt Ion:128 Resp: 4230
Ion Ratio Lower Upper
128 100
127 10.6 10.1 15.1
129 6.5 8.6 12.8#





#90
 1,2,3-Trichlorobenzene
 Concen: 0.419 ug/l
 RT: 14.330 min Scan# 40
 Delta R.T. 0.003 min
 Lab File: VU051111.D
 Acq: 04 Oct 2022 17:08

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:	180	Resp:	1370
Ion	Ratio	Lower	Upper
180	100		
182	124.9	76.6	114.8#
145	28.6	27.3	40.9

