

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111522\
 Data File : VU051859.D
 Acq On : 15 Nov 2022 13:49
 Operator : JC/MD
 Sample : VSTD20053
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD200053

Quant Time: Nov 16 00:44:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111522WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 16 00:41:36 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	512290	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	545655	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	304430	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	466577	123.973	ug/L	0.00
7) Chloroethane-d5	1.887	69	466182	146.536	ug/L	-0.01
11) 1,1-Dichloroethene-d2	2.562	63	854452	131.820	ug/L	0.00
21) 2-Butanone-d5	4.616	46	1237829	434.162	ug/L	0.00
24) Chloroform-d	5.060	84	1200036	165.604	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.697	65	708696	158.108	ug/L	0.00
32) Benzene-d6	5.722	84	2169102	154.537	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.687	67	806165	170.920	ug/L	0.00
41) Toluene-d8	7.896	98	1877849	149.735	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.176	79	362083	183.160	ug/L	0.00
47) 2-Hexanone-d5	8.632	63	1096821	514.972	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.754	84	1649143	197.003	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.192	152	1049620	186.940	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.382	85	576356	134.564	ug/L	100
3) Chloromethane	1.523	50	751682	136.427	ug/L	99
5) Vinyl chloride	1.604	62	807764	147.714	ug/L	97
6) Bromomethane	1.829	94	264085	95.724	ug/L	99
8) Chloroethane	1.909	64	510810	154.553	ug/L	100
9) Trichlorofluoromethane	2.124	101	938115	147.538	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.571	101	596644	151.861	ug/L	99
12) 1,1-Dichloroethene	2.571	96	590345	159.406	ug/L	99
13) Acetone	2.623	43	975981	299.823	ug/L	100
14) Carbon disulfide	2.787	76	1614490	137.334	ug/L	99
15) Methyl Acetate	2.941	43	818616	169.525	ug/L	100
16) Methylene chloride	3.041	84	801301	162.494	ug/L	99
17) trans-1,2-Dichloroethene	3.346	96	644526	169.010	ug/L	97
18) Methyl tert-butyl Ether	3.359	73	2192645	198.092	ug/L	99
19) 1,1-Dichloroethane	3.864	63	1279140	168.716	ug/L	100
20) cis-1,2-Dichloroethene	4.661	96	798145	189.266	ug/L	99
22) 2-Butanone	4.697	43	1394206	371.402	ug/L	100
23) Bromochloromethane	4.970	128	413811	174.780	ug/L	97
25) Chloroform	5.083	83	1329838	169.843	ug/L	100
27) 1,2-Dichloroethane	5.790	62	987584	163.937	ug/L	99
29) Cyclohexane	5.385	56	1014822	182.010	ug/L	99
30) 1,1,1-Trichloroethane	5.311	97	1023371	161.280	ug/L	99
31) Carbon tetrachloride	5.520	117	848112	157.899	ug/L	98
33) Benzene	5.771	78	3014819	171.728	ug/L	100
34) Trichloroethene	6.539	95	713206	168.540	ug/L	99
35) Methylcyclohexane	6.761	83	1093482	181.814	ug/L	98
37) 1,2-Dichloropropane	6.787	63	838229	173.512	ug/L	100
38) Bromodichloromethane	7.102	83	1058338	171.651	ug/L	99
39) cis-1,3-Dichloropropene	7.603	75	1298413	203.642	ug/L	100
40) 4-Methyl-2-pentanone	7.790	43	2695559	418.166	ug/L	99
42) Toluene	7.967	91	3316146	184.388	ug/L	98
44) trans-1,3-Dichloropropene	8.208	75	1252338	202.696	ug/L	98

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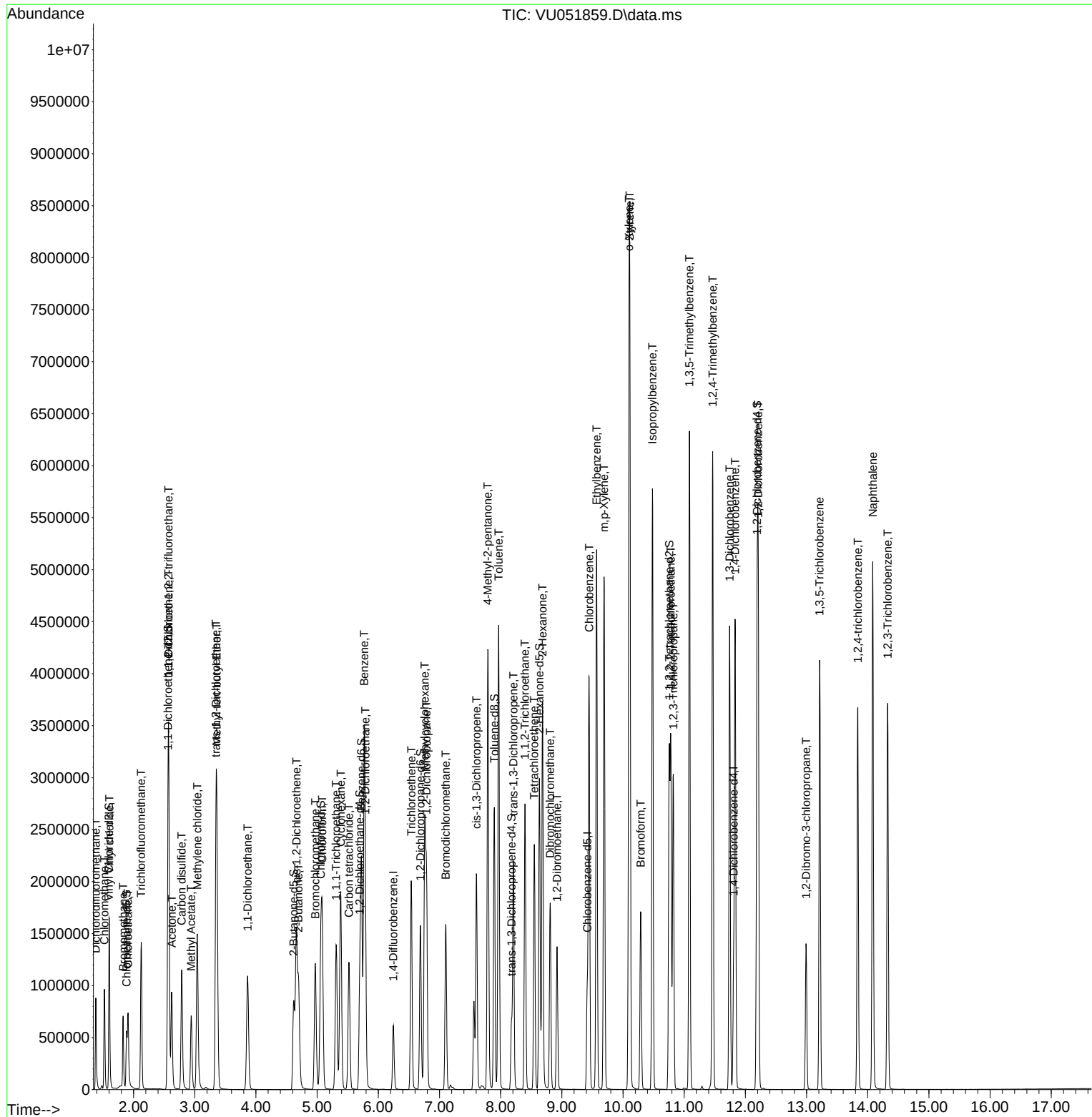
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.398	97	881907	182.090	ug/L	99
46) Tetrachloroethene	8.549	164	539901	171.040	ug/L	96
48) 2-Hexanone	8.684	43	2193076	401.632	ug/L	100
49) Dibromochloromethane	8.809	129	955646	191.672	ug/L	100
50) 1,2-Dibromoethane	8.922	107	913028	183.972	ug/L	99
51) Chlorobenzene	9.446	112	2226720	187.070	ug/L	99
52) Ethylbenzene	9.568	91	3696231	202.604	ug/L	99
53) m,p-Xylene	9.690	106	1447355	206.193	ug/L	100
54) o-Xylene	10.098	106	1496471	213.786	ug/L	100
55) Styrene	10.111	104	2679671	220.859	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.780	83	1718888	186.404	ug/L	99
59) Bromoform	10.288	173	788614	185.376	ug/L	99
60) 1,2,3-Trichloropropane	10.822	75	1303597	166.921	ug/L	100
61) Isopropylbenzene	10.481	105	3786208	198.934	ug/L	100
62) 1,3,5-Trimethylbenzene	11.086	105	3384998	211.796	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	3389245	215.577	ug/L	100
64) 1,3-Dichlorobenzene	11.741	146	1832596	188.977	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	1835002	184.431	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	1889485	186.650	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.992	75	365580	173.958	ug/L	91
69) 1,3,5-Trichlorobenzene	13.214	180	1283421	197.173	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	1128122	224.331	ug/L	100
71) Naphthalene	14.082	128	3997688	246.104	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	1172905	217.831	ug/L	99

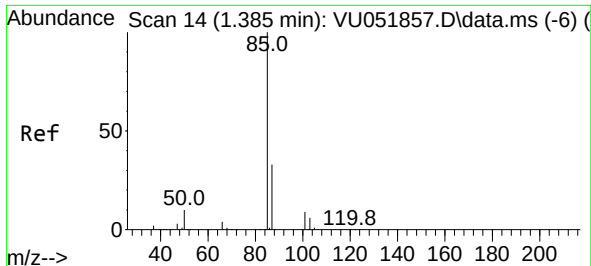
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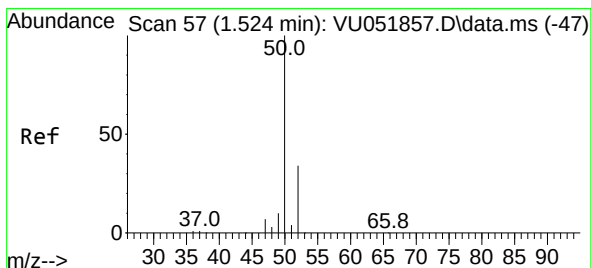
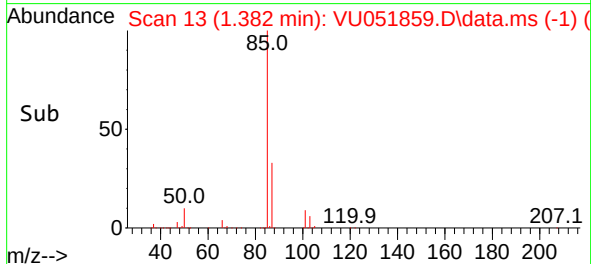
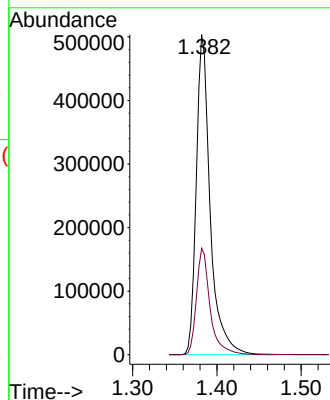
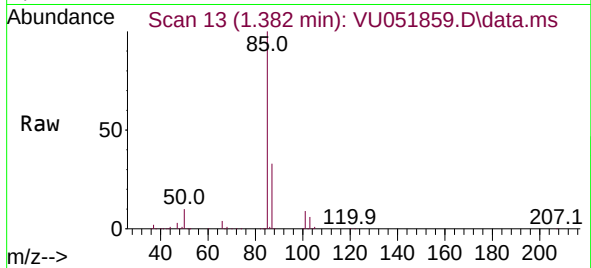




#2
 Dichlorodifluoromethane
 Concen: 134.564 ug/L
 RT: 1.382 min Scan# 11
 Delta R.T. -0.004 min
 Lab File: VU051859.D
 Acq: 15 Nov 2022 13:49

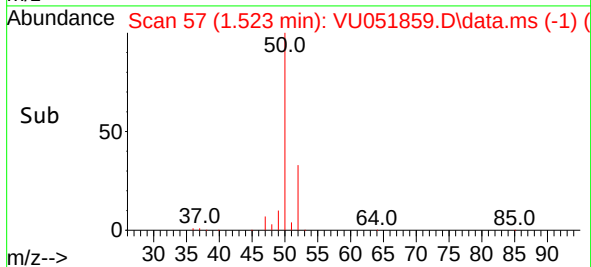
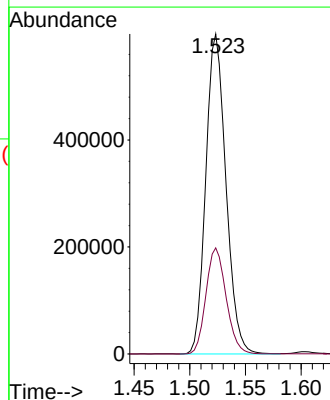
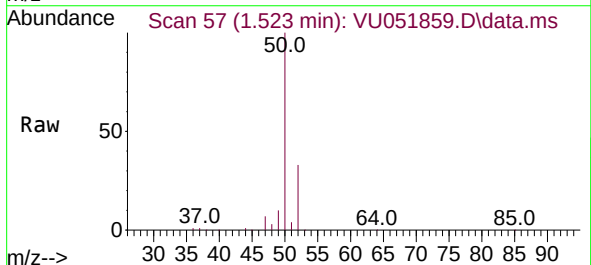
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD200053

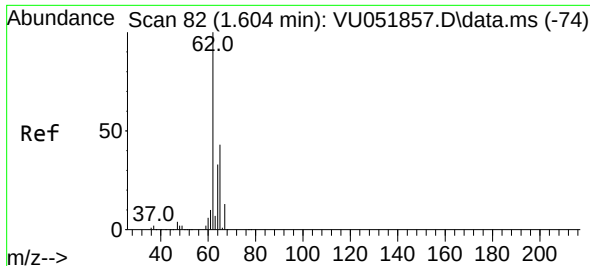
Tgt Ion: 85 Resp: 576356
 Ion Ratio Lower Upper
 85 100
 87 32.6 26.0 39.0



#3
 Chloromethane
 Concen: 136.427 ug/L
 RT: 1.523 min Scan# 57
 Delta R.T. -0.000 min
 Lab File: VU051859.D
 Acq: 15 Nov 2022 13:49

Tgt Ion: 50 Resp: 751682
 Ion Ratio Lower Upper
 50 100
 52 33.2 23.4 43.6

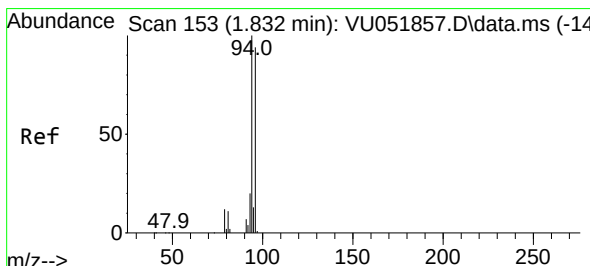
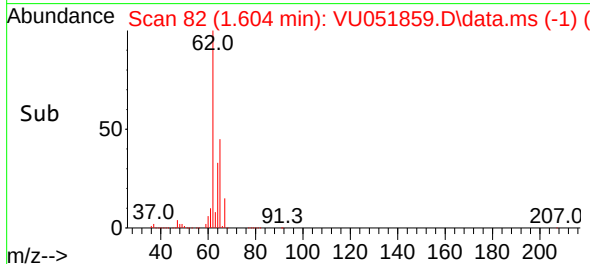
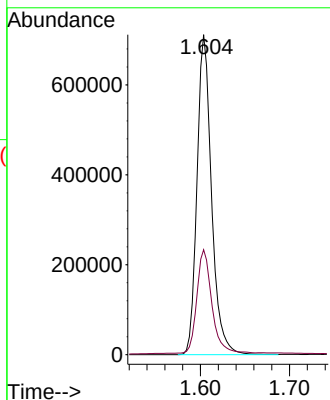
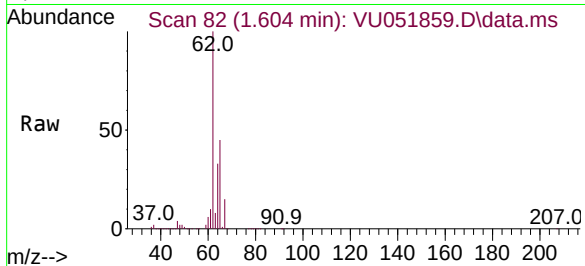




#5
 Vinyl chloride
 Concen: 147.714 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU051859.D
 Acq: 15 Nov 2022 13:49

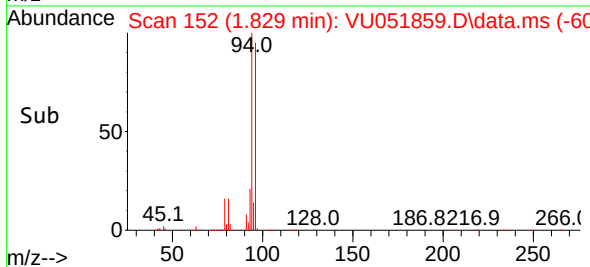
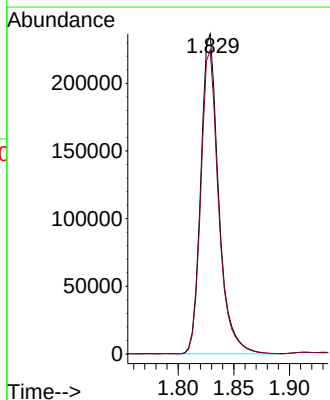
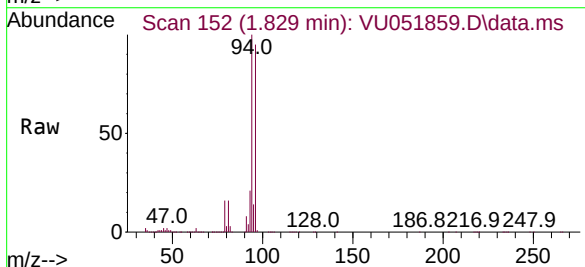
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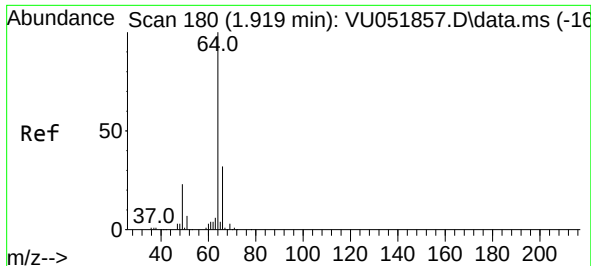
Tgt Ion: 62 Resp: 807764
 Ion Ratio Lower Upper
 62 100
 64 32.8 24.3 45.1



#6
 Bromomethane
 Concen: 95.724 ug/L
 RT: 1.829 min Scan# 152
 Delta R.T. -0.004 min
 Lab File: VU051859.D
 Acq: 15 Nov 2022 13:49

Tgt Ion: 94 Resp: 264085
 Ion Ratio Lower Upper
 94 100
 96 94.9 66.1 122.7

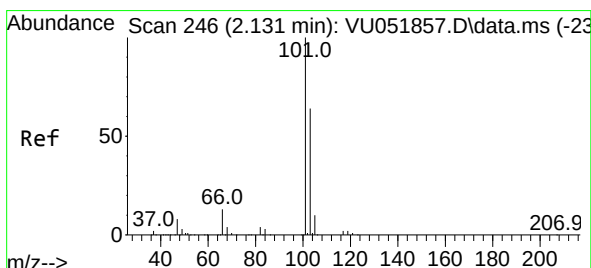
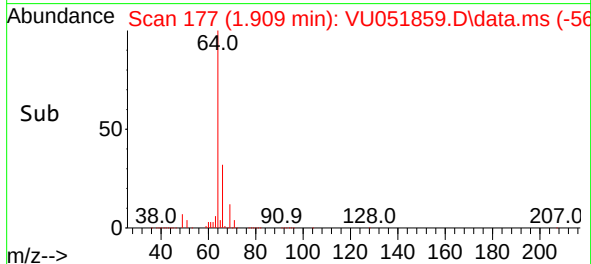
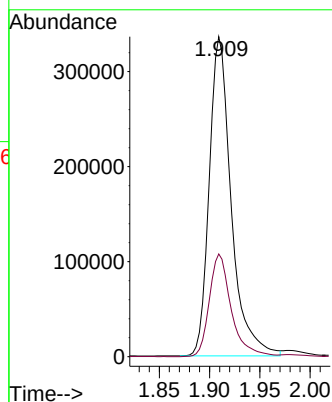
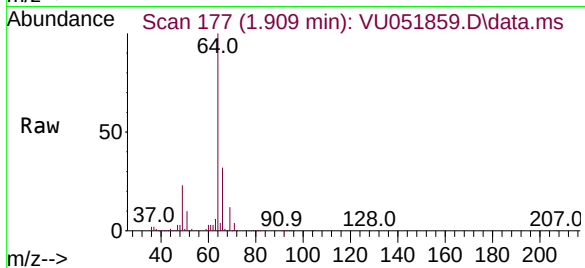




#8
Chloroethane
Concen: 154.553 ug/L
RT: 1.909 min Scan# 11
Delta R.T. -0.010 min
Lab File: VU051859.D
Acq: 15 Nov 2022 13:49

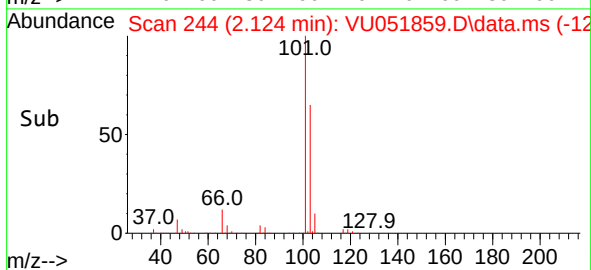
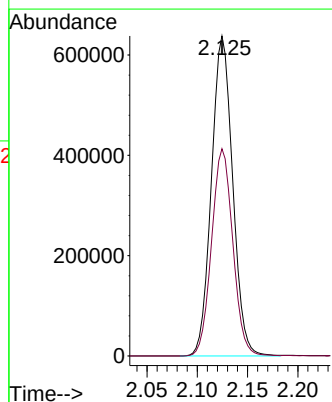
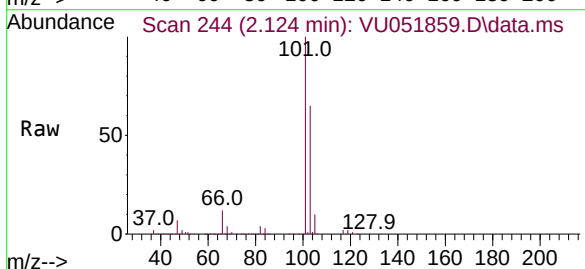
Instrument :
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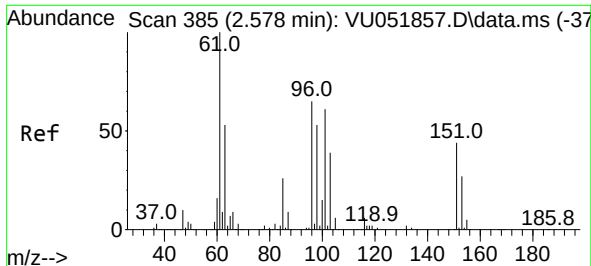
Tgt Ion: 64 Resp: 510810
Ion Ratio Lower Upper
64 100
66 32.1 22.4 41.6



#9
Trichlorofluoromethane
Concen: 147.538 ug/L
RT: 2.124 min Scan# 244
Delta R.T. -0.007 min
Lab File: VU051859.D
Acq: 15 Nov 2022 13:49

Tgt Ion: 101 Resp: 938115
Ion Ratio Lower Upper
101 100
103 64.7 51.4 77.2

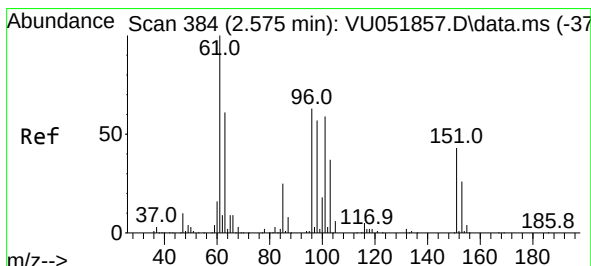
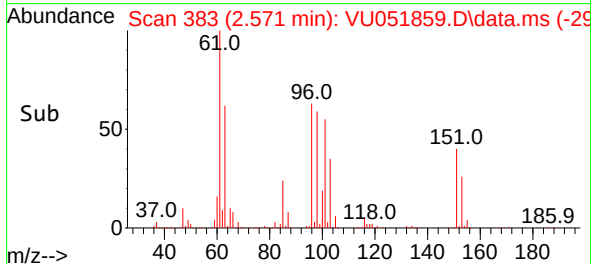
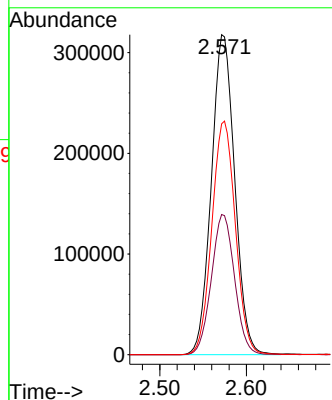
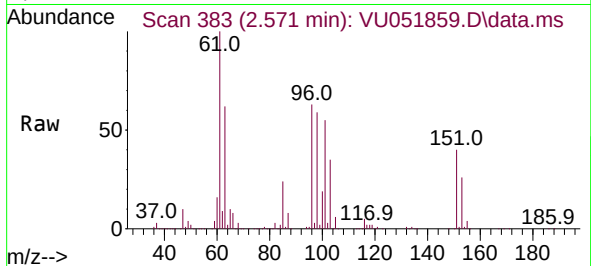




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 151.861 ug/L
 RT: 2.571 min Scan# 383
 Delta R.T. -0.007 min
 Lab File: VU051859.D
 Acq: 15 Nov 2022 13:49

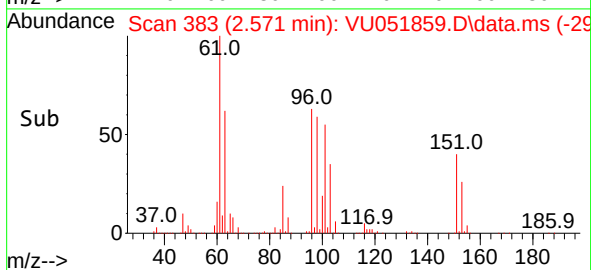
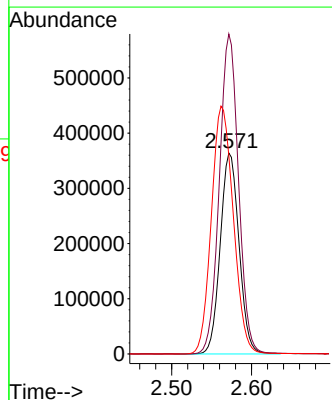
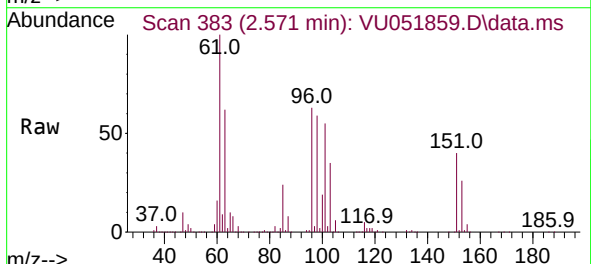
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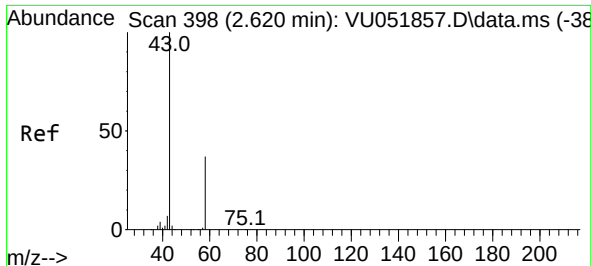
Tgt Ion:101 Resp: 596644
 Ion Ratio Lower Upper
 101 100
 85 43.4 34.2 51.2
 151 73.6 58.3 87.5



#12
 1,1-Dichloroethene
 Concen: 159.406 ug/L
 RT: 2.571 min Scan# 383
 Delta R.T. -0.004 min
 Lab File: VU051859.D
 Acq: 15 Nov 2022 13:49

Tgt Ion: 96 Resp: 590345
 Ion Ratio Lower Upper
 96 100
 61 159.2 110.7 205.5
 63 98.7 68.6 127.4





#13

Acetone

Concen: 299.823 ug/L

RT: 2.623 min Scan# 398

Delta R.T. 0.003 min

Lab File: VU051859.D

Acq: 15 Nov 2022 13:49

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ClientSampleId :

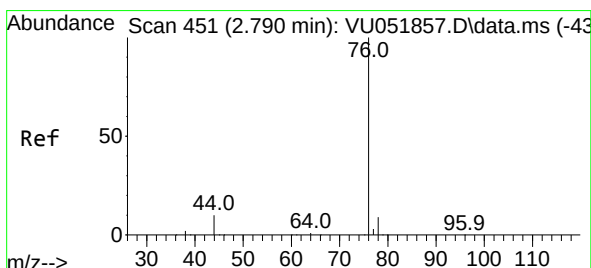
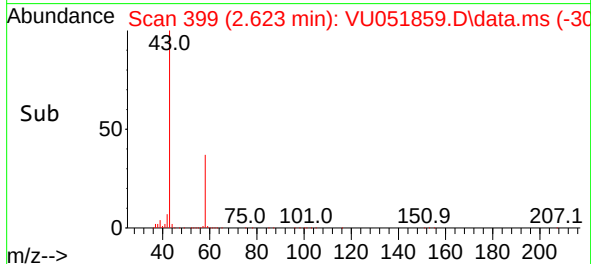
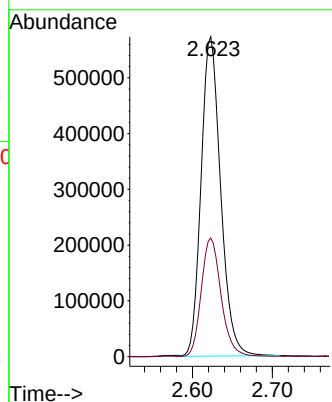
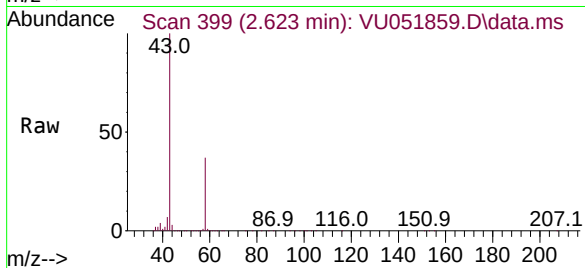
VSTD200053

Tgt Ion: 43 Resp: 975981

Ion Ratio Lower Upper

43 100

58 37.5 0.0 75.4



#14

Carbon disulfide

Concen: 137.334 ug/L

RT: 2.787 min Scan# 450

Delta R.T. -0.004 min

Lab File: VU051859.D

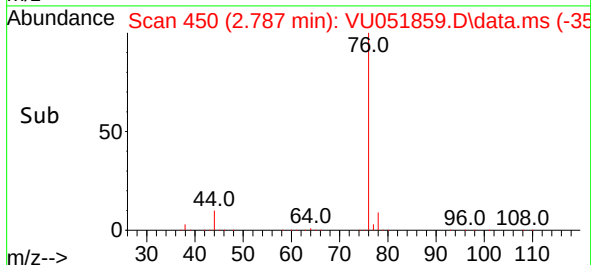
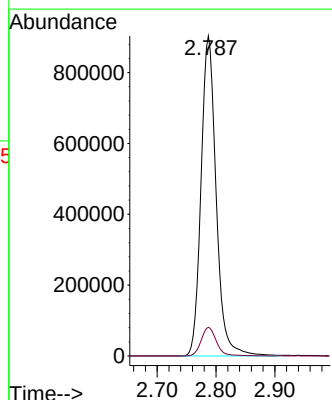
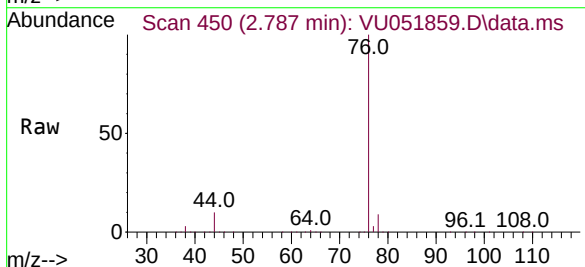
Acq: 15 Nov 2022 13:49

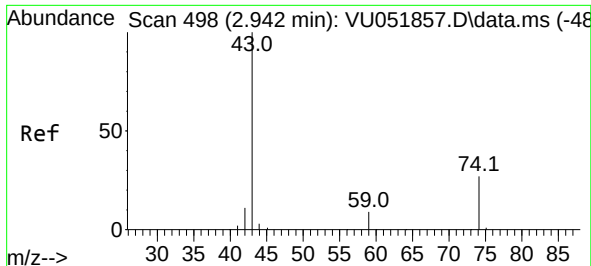
Tgt Ion: 76 Resp: 1614490

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0

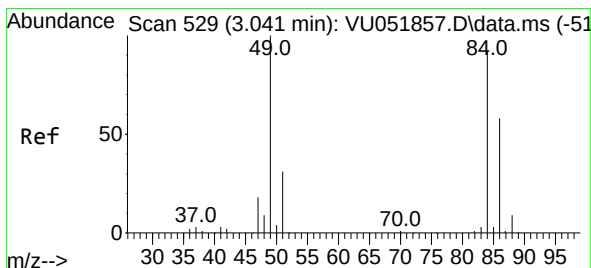
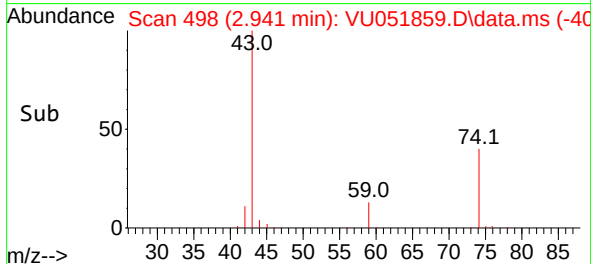
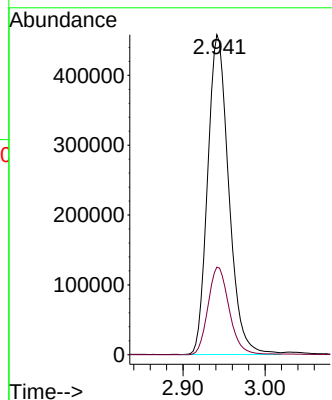
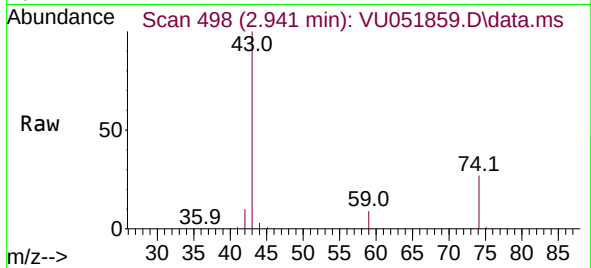




#15
Methyl Acetate
Concen: 169.525 ug/L
RT: 2.941 min Scan# 498
Delta R.T. -0.000 min
Lab File: VU051859.D
Acq: 15 Nov 2022 13:49

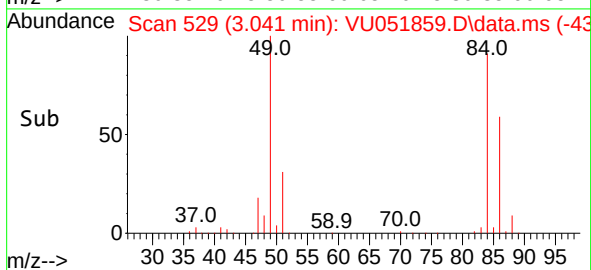
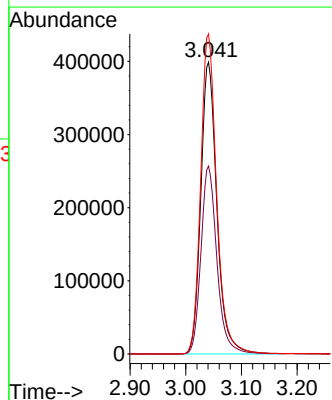
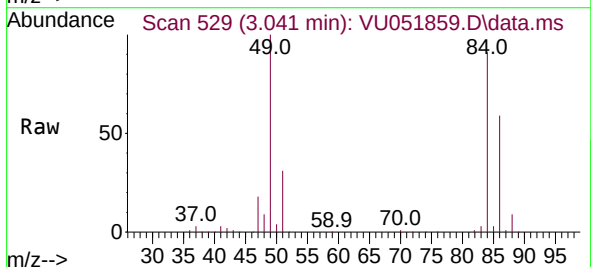
Instrument :
MSVOA_U
ClientSampleId :
VSTD200053

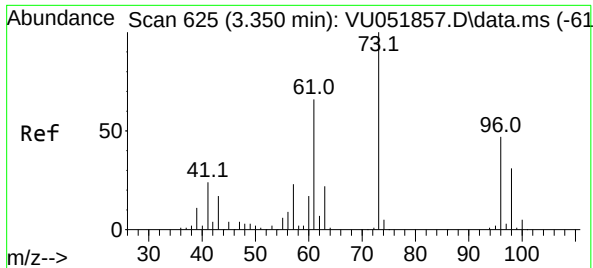
Tgt Ion: 43 Resp: 818616
Ion Ratio Lower Upper
43 100
74 27.6 21.8 32.8



#16
Methylene chloride
Concen: 162.494 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.000 min
Lab File: VU051859.D
Acq: 15 Nov 2022 13:49

Tgt Ion: 84 Resp: 801301
Ion Ratio Lower Upper
84 100
86 64.4 44.7 82.9
49 109.7 76.5 142.1

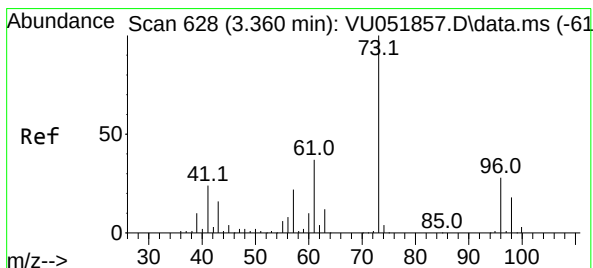
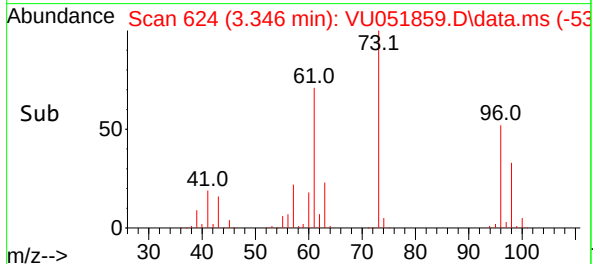
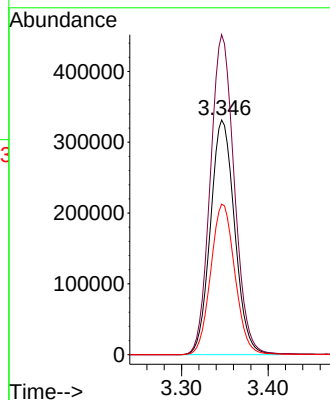
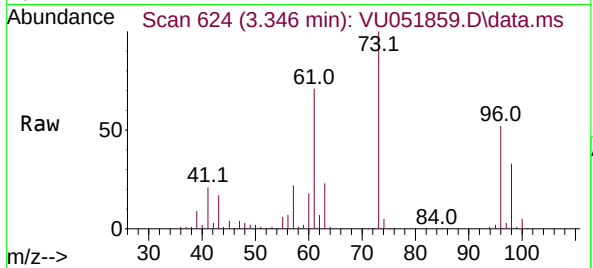




#17
trans-1,2-Dichloroethene
Concen: 169.010 ug/L
RT: 3.346 min Scan# 61
Delta R.T. -0.004 min
Lab File: VU051859.D
Acq: 15 Nov 2022 13:49

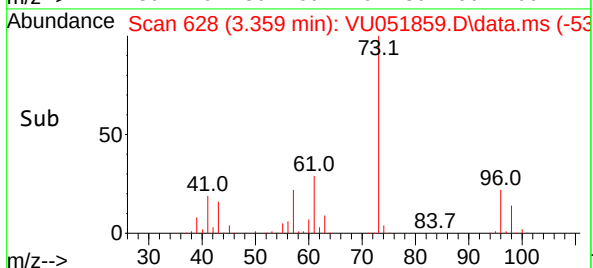
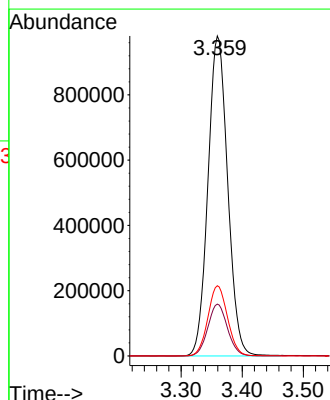
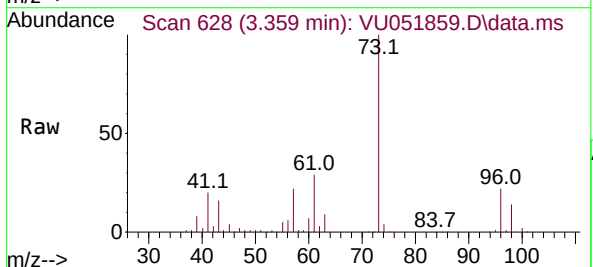
Instrument :
MSVOA_U
ClientSampleId :
VSTD200053

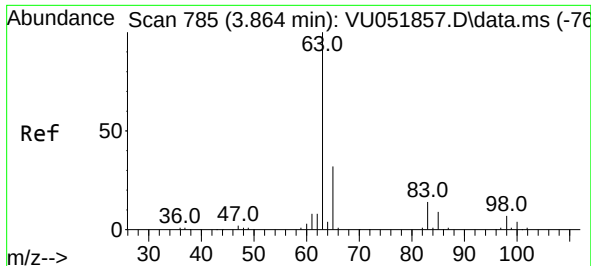
Tgt Ion: 96 Resp: 644526
Ion Ratio Lower Upper
96 100
61 136.3 98.3 182.7
98 64.1 45.5 84.5



#18
Methyl tert-butyl Ether
Concen: 198.092 ug/L
RT: 3.359 min Scan# 628
Delta R.T. -0.000 min
Lab File: VU051859.D
Acq: 15 Nov 2022 13:49

Tgt Ion: 73 Resp: 2192645
Ion Ratio Lower Upper
73 100
43 16.0 13.4 20.0
57 21.9 17.7 26.5





#19

1,1-Dichloroethane

Concen: 168.716 ug/L

RT: 3.864 min Scan# 785

Delta R.T. -0.000 min

Lab File: VU051859.D

Acq: 15 Nov 2022 13:49

Instrument :

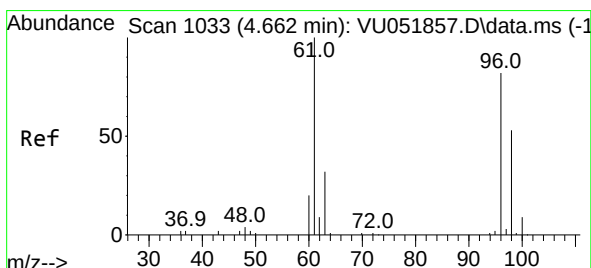
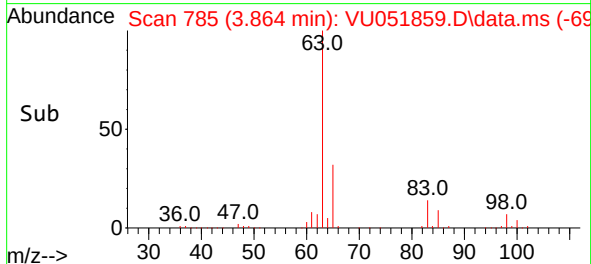
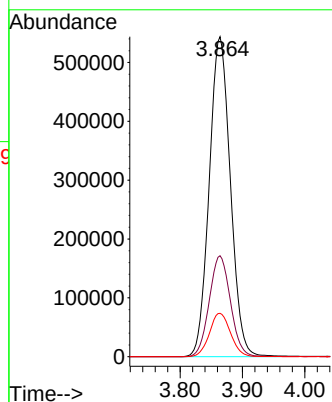
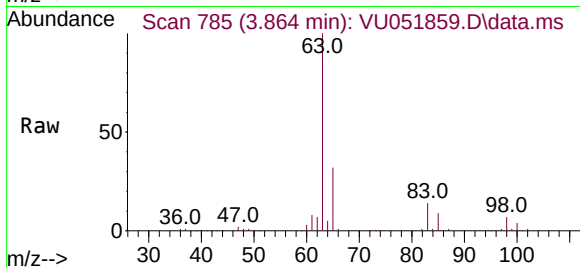
MSVOA_U

ClientSampleId :

VSTD200053

Tgt Ion: 63 Resp: 1279140

Ion	Ratio	Lower	Upper
63	100		
65	31.6	22.2	41.2
83	13.6	9.6	17.8



#20

cis-1,2-Dichloroethene

Concen: 189.266 ug/L

RT: 4.661 min Scan# 1033

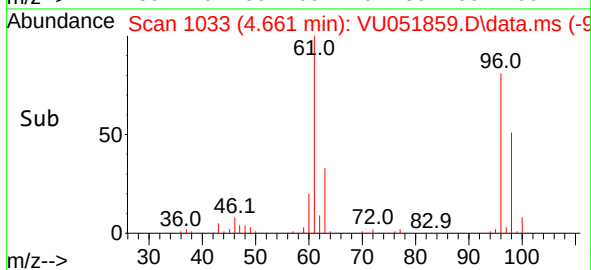
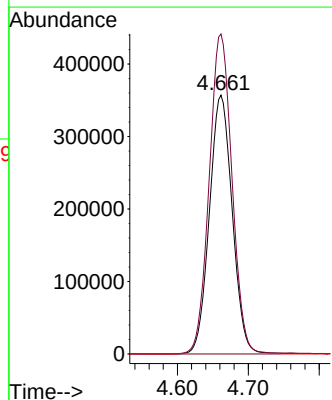
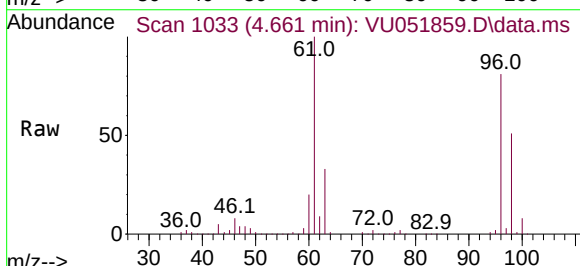
Delta R.T. -0.000 min

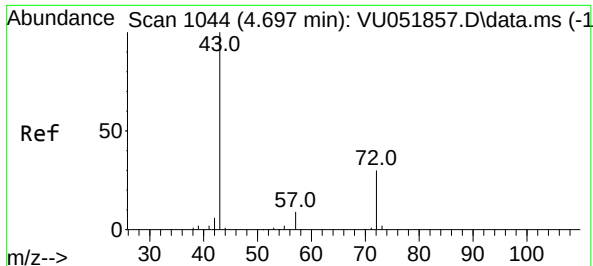
Lab File: VU051859.D

Acq: 15 Nov 2022 13:49

Tgt Ion: 96 Resp: 798145

Ion	Ratio	Lower	Upper
96	100		
61	123.6	86.0	159.8
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 371.402 ug/L

RT: 4.697 min Scan# 1044

Delta R.T. -0.000 min

Lab File: VU051859.D

Acq: 15 Nov 2022 13:49

Instrument :

MSVOA_U

ClientSampleId :

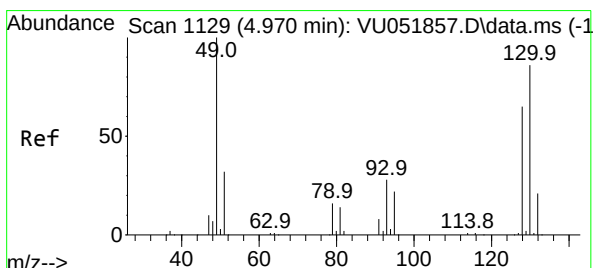
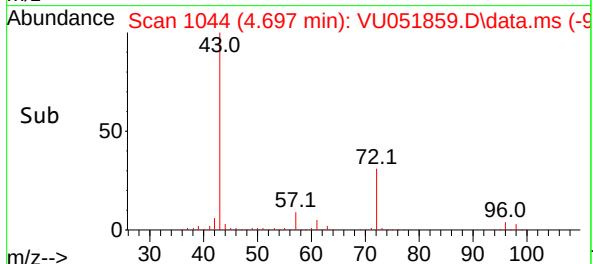
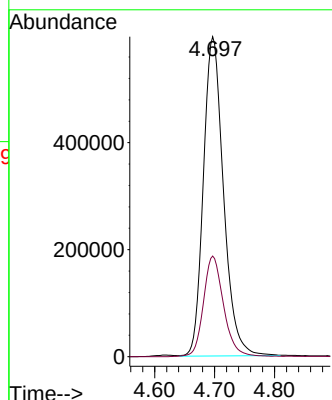
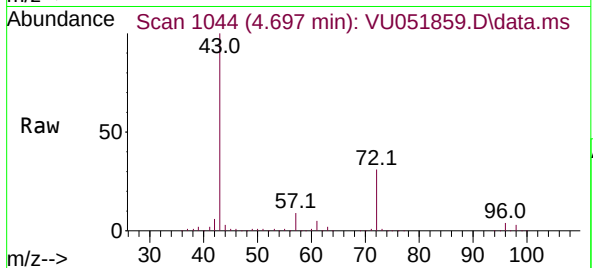
VSTD200053

Tgt Ion: 43 Resp: 1394206

Ion Ratio Lower Upper

43 100

72 31.6 15.7 47.1



#23

Bromochloromethane

Concen: 174.780 ug/L

RT: 4.970 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VU051859.D

Acq: 15 Nov 2022 13:49

Tgt Ion:128 Resp: 413811

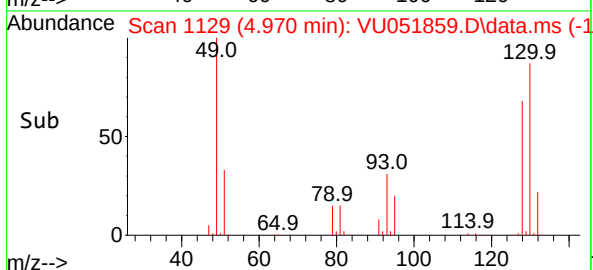
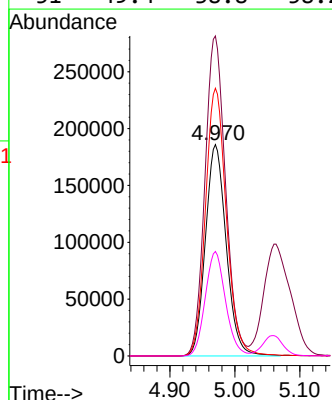
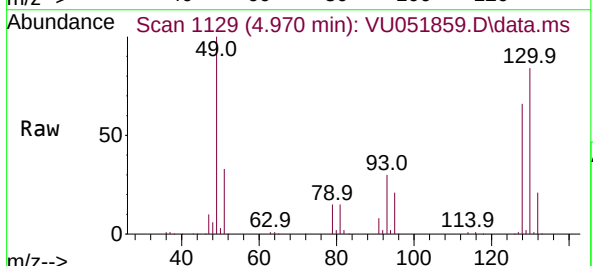
Ion Ratio Lower Upper

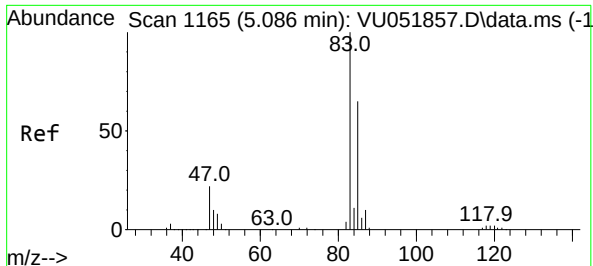
128 100

49 151.4 107.2 199.0

130 126.7 92.5 171.7

51 49.4 38.8 58.2





#25

Chloroform

Concen: 169.843 ug/L

RT: 5.083 min Scan# 1165

Delta R.T. -0.004 min

Lab File: VU051859.D

Acq: 15 Nov 2022 13:49

Instrument :

MSVOA_U

ClientSampleId :

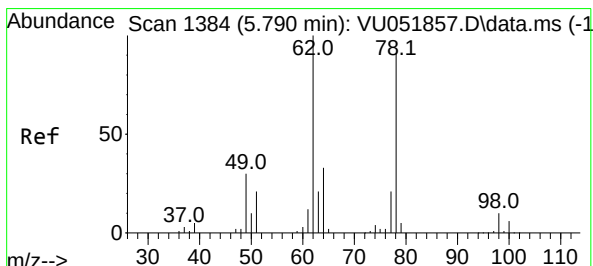
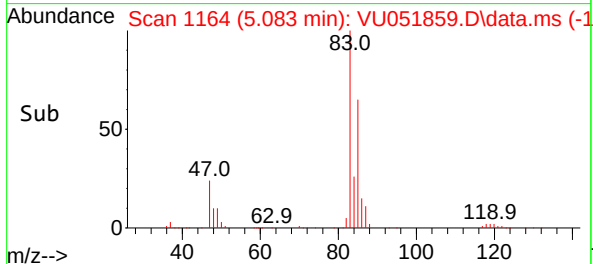
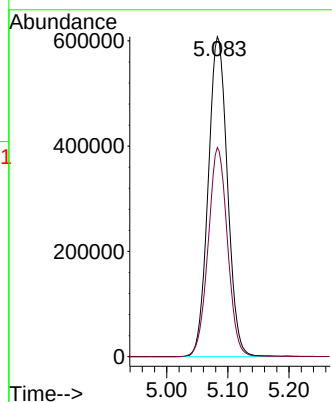
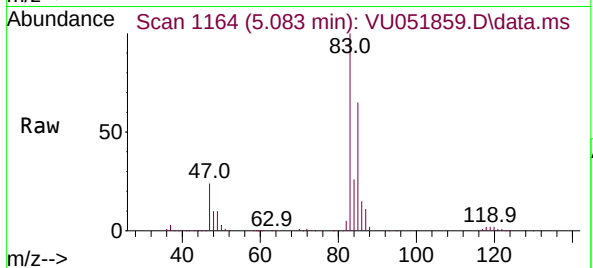
VSTD200053

Tgt Ion: 83 Resp: 1329838

Ion Ratio Lower Upper

83 100

85 65.4 45.6 84.8



#27

1,2-Dichloroethane

Concen: 163.937 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VU051859.D

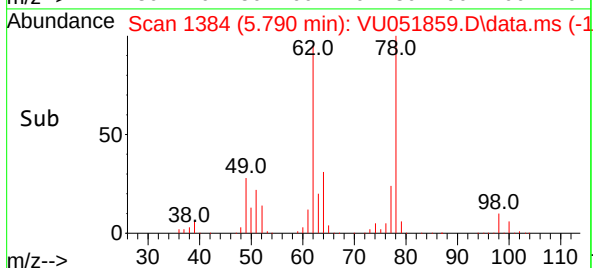
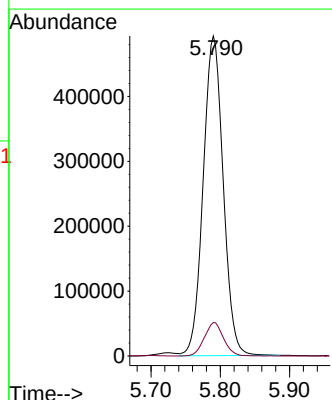
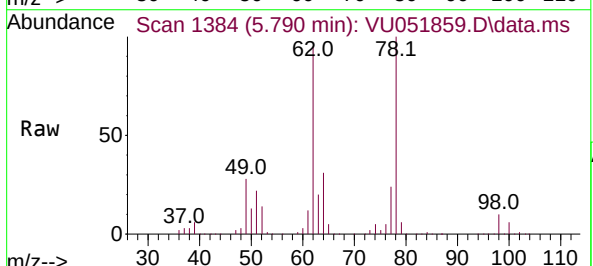
Acq: 15 Nov 2022 13:49

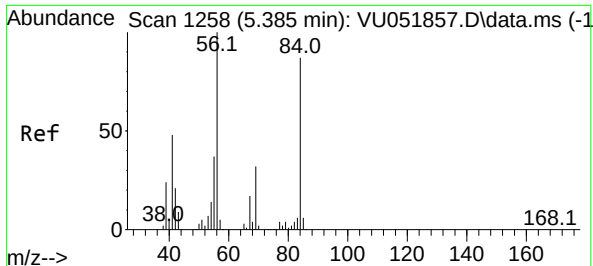
Tgt Ion: 62 Resp: 987584

Ion Ratio Lower Upper

62 100

98 10.5 8.1 12.1





#29

Cyclohexane

Concen: 182.010 ug/L

RT: 5.385 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU051859.D

Acq: 15 Nov 2022 13:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD200053

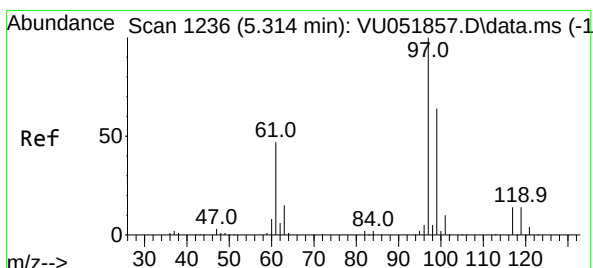
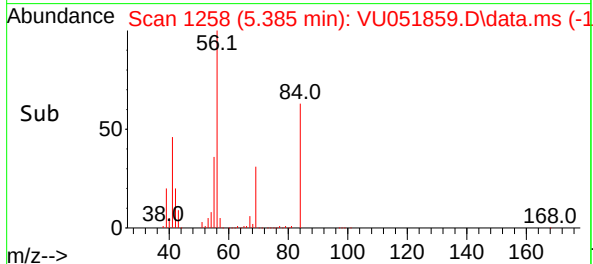
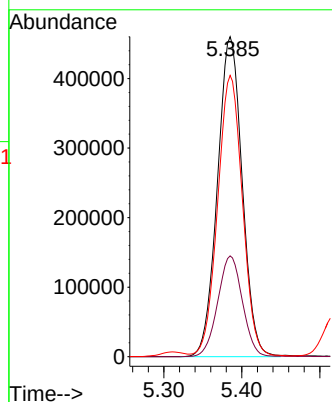
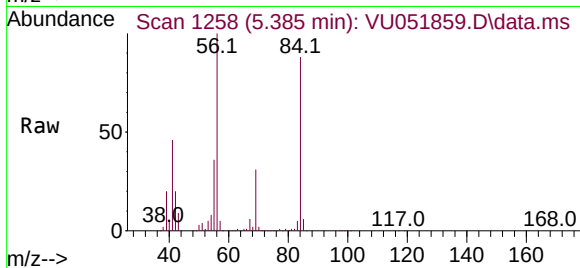
Tgt Ion: 56 Resp: 1014822

Ion Ratio Lower Upper

56 100

69 31.4 25.4 38.2

84 88.2 71.4 107.0



#30

1,1,1-Trichloroethane

Concen: 161.280 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. -0.004 min

Lab File: VU051859.D

Acq: 15 Nov 2022 13:49

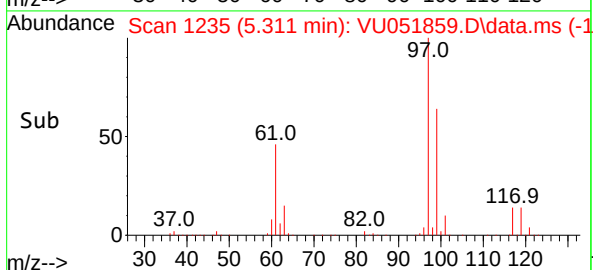
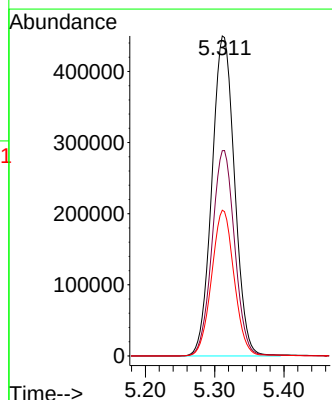
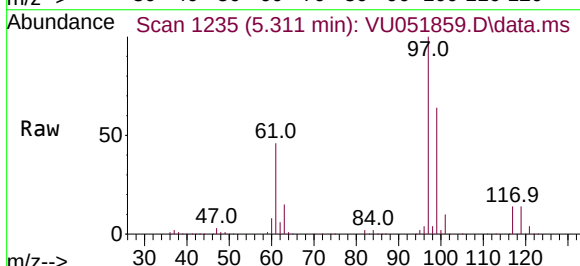
Tgt Ion: 97 Resp: 1023371

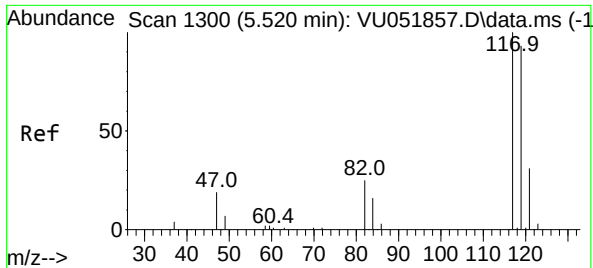
Ion Ratio Lower Upper

97 100

99 63.9 51.2 76.8

61 45.0 37.4 56.2

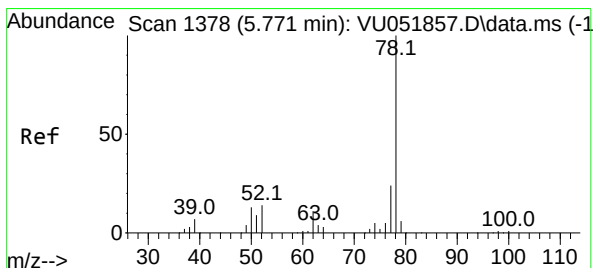
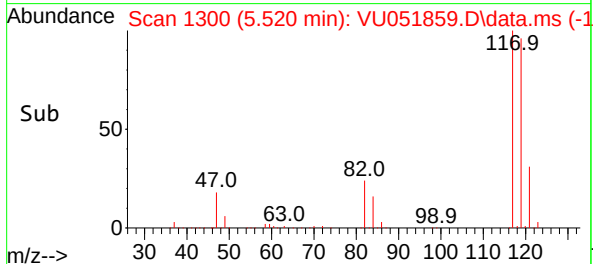
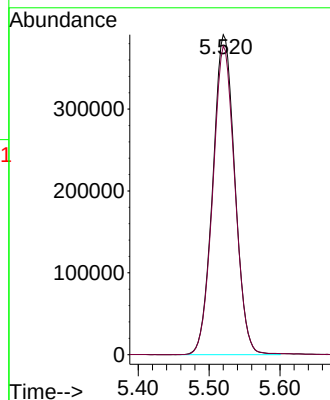
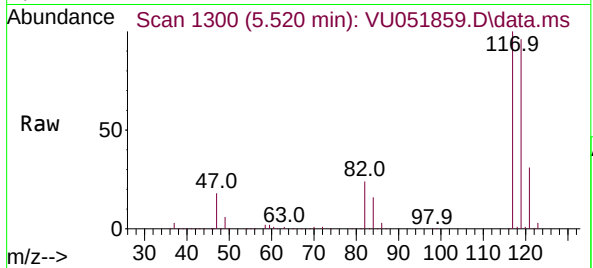




#31
Carbon tetrachloride
Concen: 157.899 ug/L
RT: 5.520 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU051859.D
Acq: 15 Nov 2022 13:49

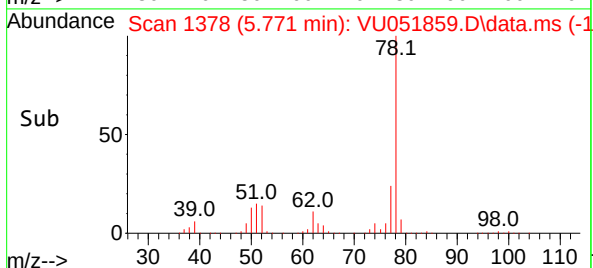
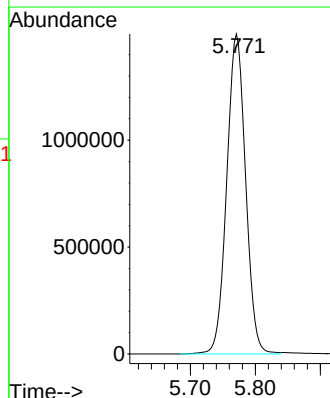
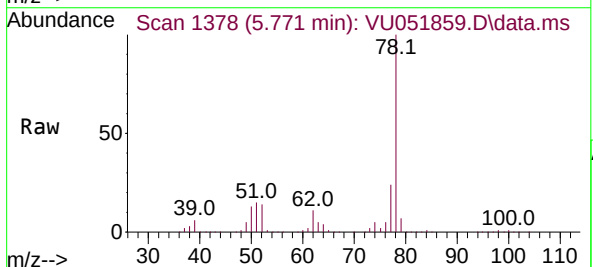
Instrument :
MSVOA_U
ClientSampleId :
VSTD200053

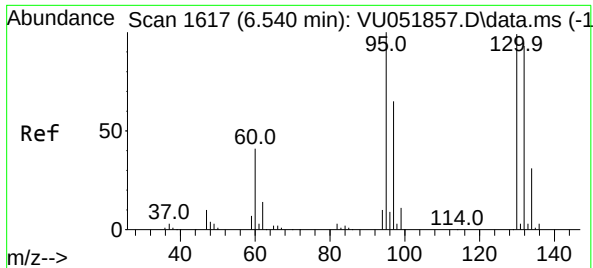
Tgt Ion:117 Resp: 848112
Ion Ratio Lower Upper
117 100
119 96.2 75.6 113.4



#33
Benzene
Concen: 171.728 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.000 min
Lab File: VU051859.D
Acq: 15 Nov 2022 13:49

Tgt Ion: 78 Resp: 3014819

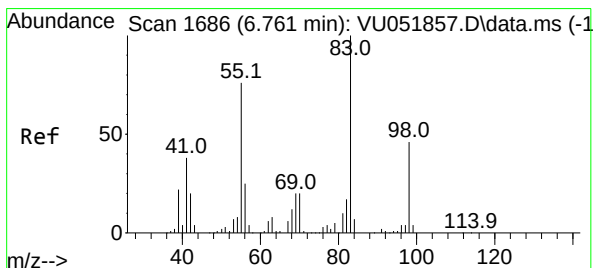
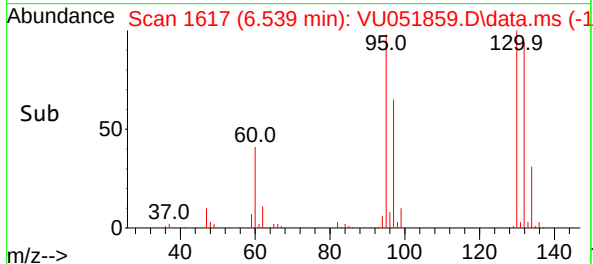
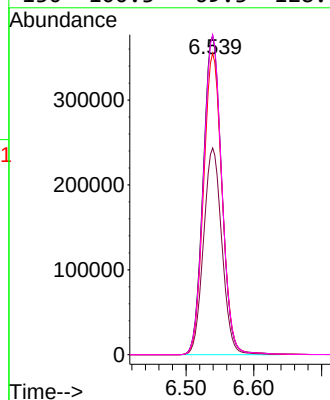
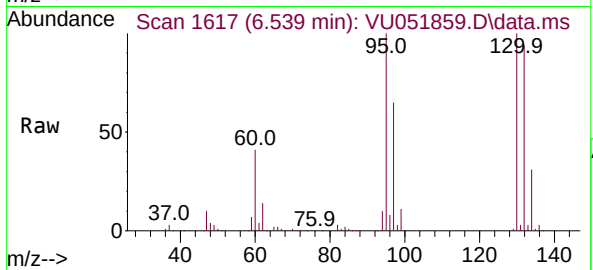




#34
Trichloroethene
Concen: 168.540 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VU051859.D
Acq: 15 Nov 2022 13:49

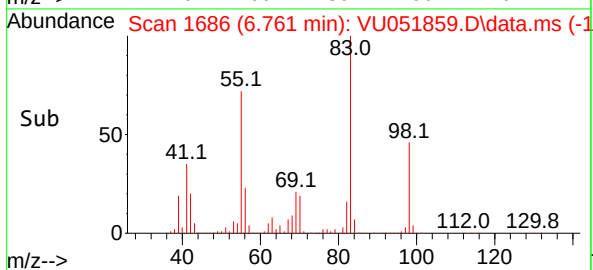
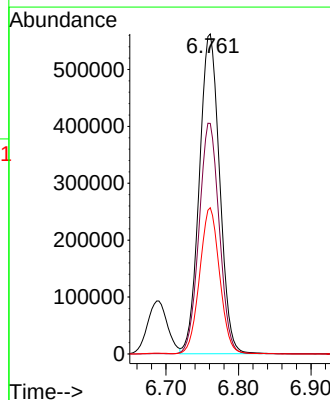
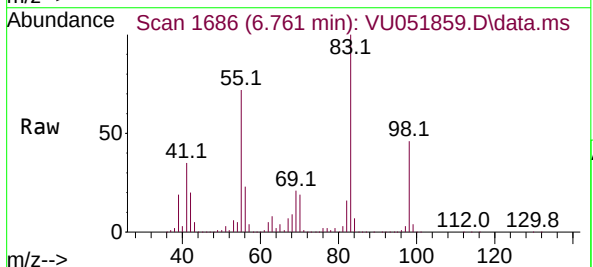
Instrument :
MSVOA_U
ClientSampleId :
VSTD200053

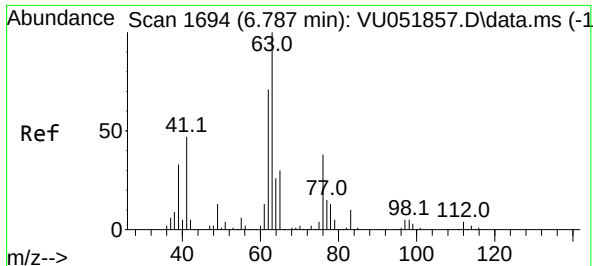
Tgt Ion: 95 Resp: 713206
Ion Ratio Lower Upper
95 100
97 64.8 45.8 85.0
132 94.4 65.3 121.3
130 100.3 69.3 128.7



#35
Methylcyclohexane
Concen: 181.814 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VU051859.D
Acq: 15 Nov 2022 13:49

Tgt Ion: 83 Resp: 1093482
Ion Ratio Lower Upper
83 100
55 72.0 60.0 90.0
98 44.9 35.8 53.8

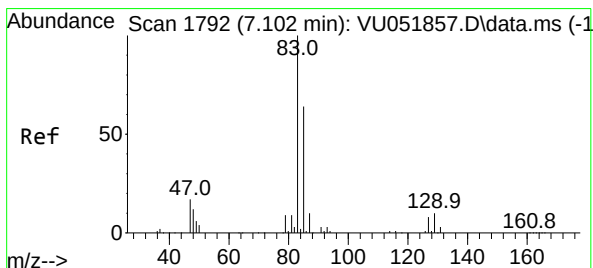
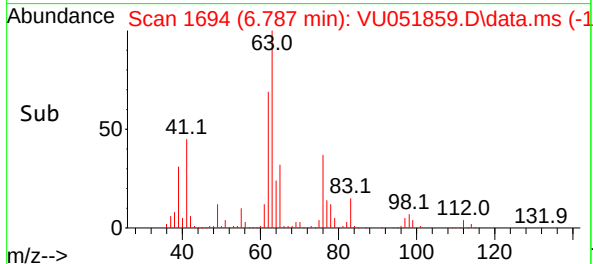
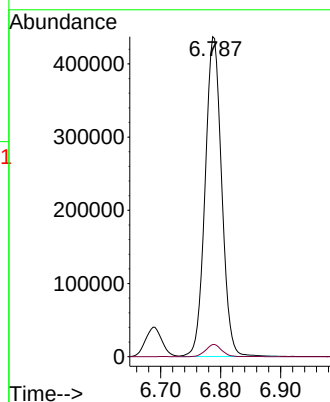
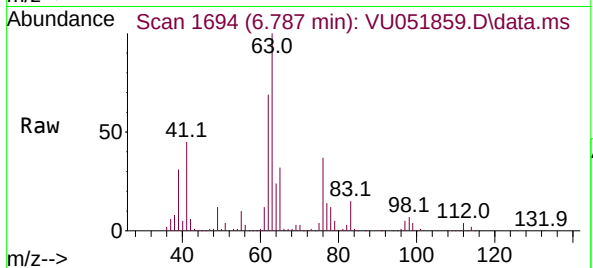




#37
1,2-Dichloropropane
Concen: 173.512 ug/L
RT: 6.787 min Scan# 1694
Delta R.T. -0.000 min
Lab File: VU051859.D
Acq: 15 Nov 2022 13:49

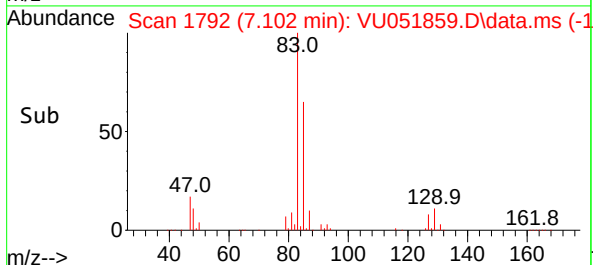
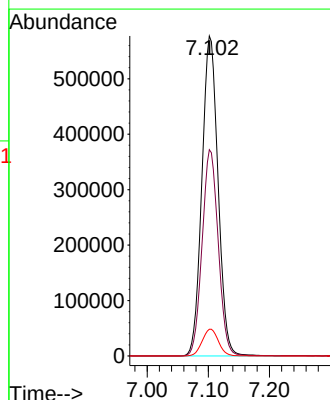
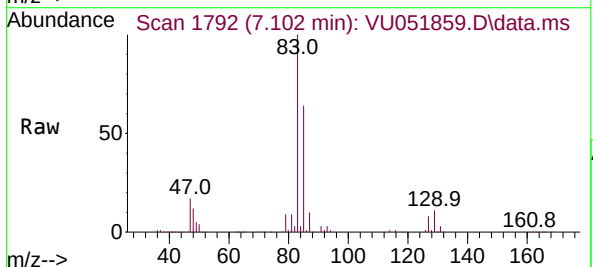
Instrument :
MSVOA_U
ClientSampleId :
VSTD200053

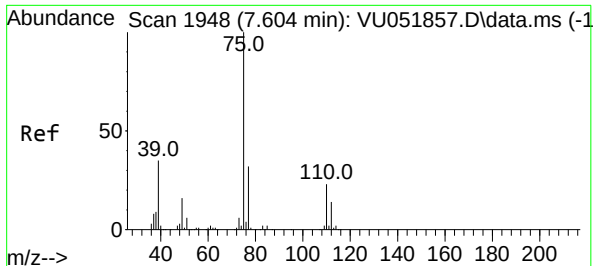
Tgt Ion: 63 Resp: 838229
Ion Ratio Lower Upper
63 100
112 3.7 3.0 4.6



#38
Bromodichloromethane
Concen: 171.651 ug/L
RT: 7.102 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VU051859.D
Acq: 15 Nov 2022 13:49

Tgt Ion: 83 Resp: 1058338
Ion Ratio Lower Upper
83 100
85 64.4 44.6 82.8
127 8.3 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 203.642 ug/L

RT: 7.603 min Scan# 1948

Delta R.T. -0.000 min

Lab File: VU051859.D

Acq: 15 Nov 2022 13:49

Instrument :

MSVOA_U

ClientSampleId :

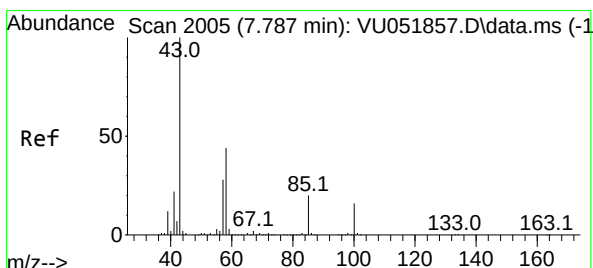
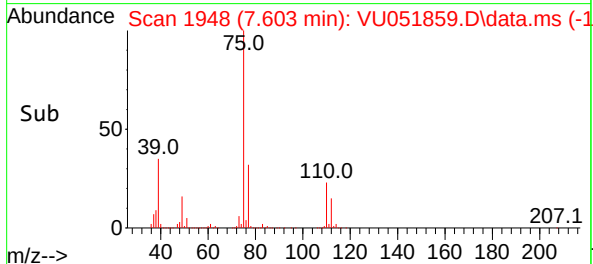
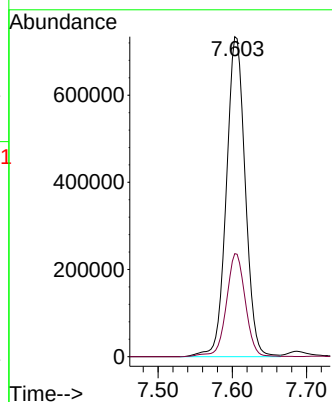
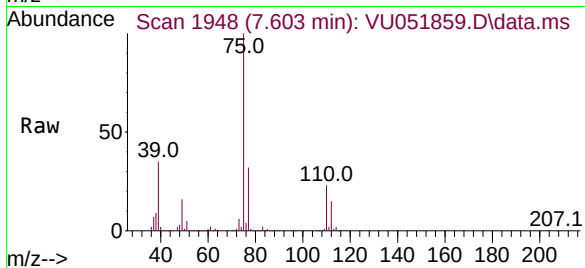
VSTD200053

Tgt Ion: 75 Resp: 1298413

Ion Ratio Lower Upper

75 100

77 32.2 22.5 41.7



#40

4-Methyl-2-pentanone

Concen: 418.166 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.003 min

Lab File: VU051859.D

Acq: 15 Nov 2022 13:49

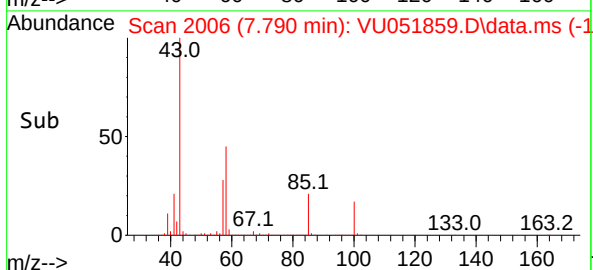
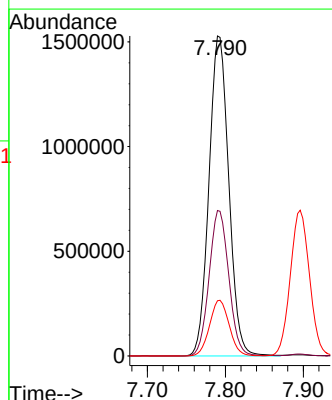
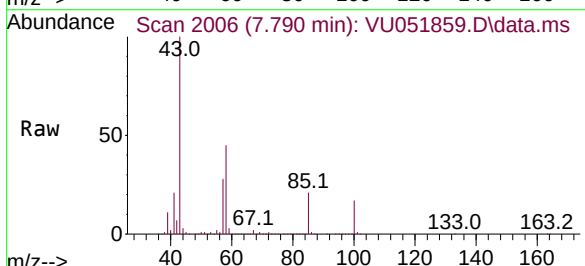
Tgt Ion: 43 Resp: 2695559

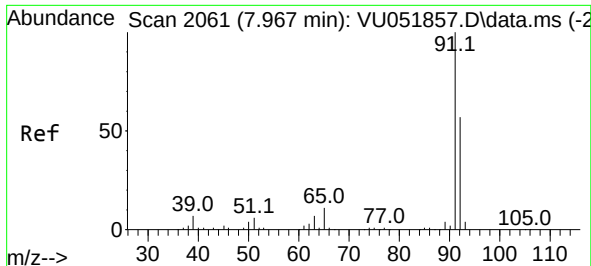
Ion Ratio Lower Upper

43 100

58 45.3 35.4 53.2

100 17.3 13.4 20.0





#42

Toluene

Concen: 184.388 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VU051859.D

Acq: 15 Nov 2022 13:49

Instrument :

MSVOA_U

ClientSampleId :

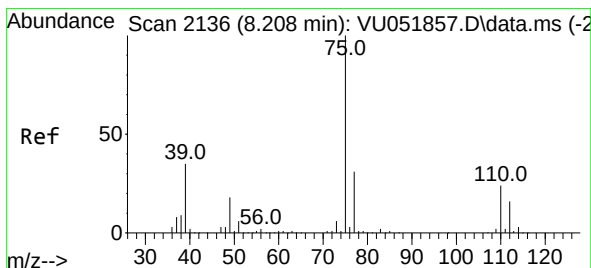
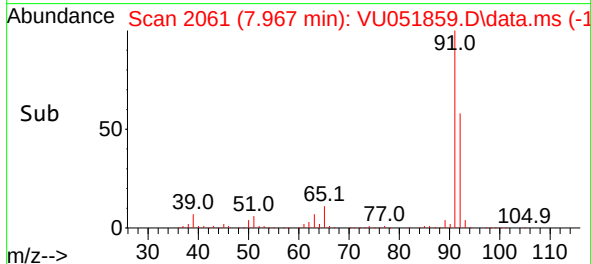
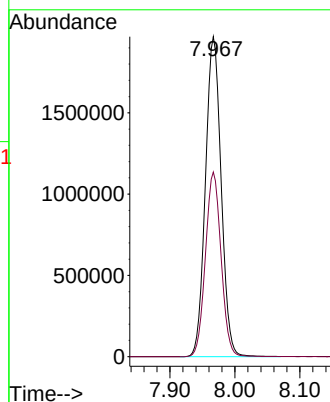
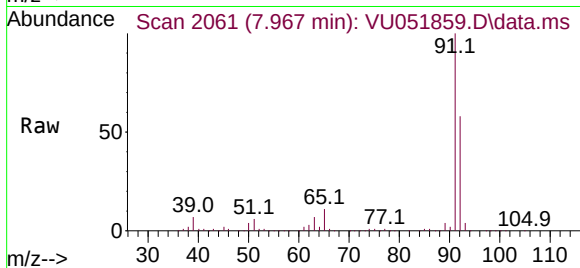
VSTD200053

Tgt Ion: 91 Resp: 3316146

Ion Ratio Lower Upper

91 100

92 57.7 39.5 73.4



#44

trans-1,3-Dichloropropene

Concen: 202.696 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. -0.000 min

Lab File: VU051859.D

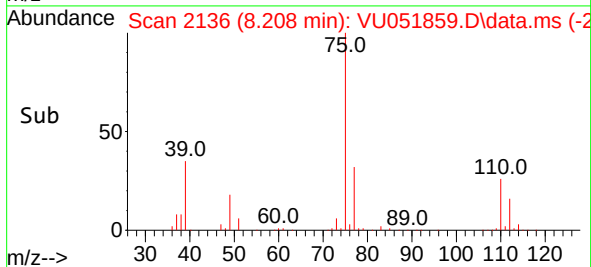
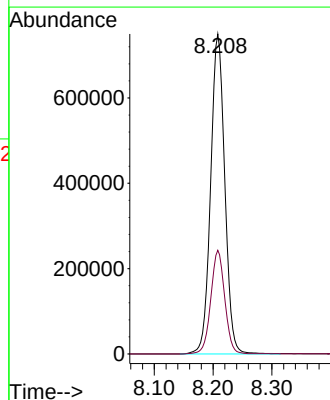
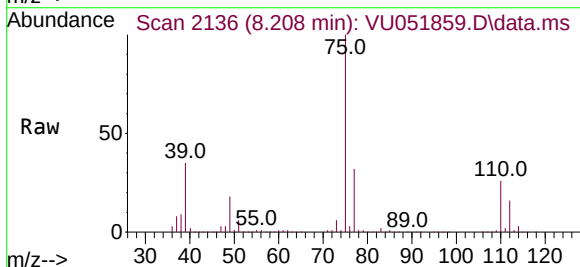
Acq: 15 Nov 2022 13:49

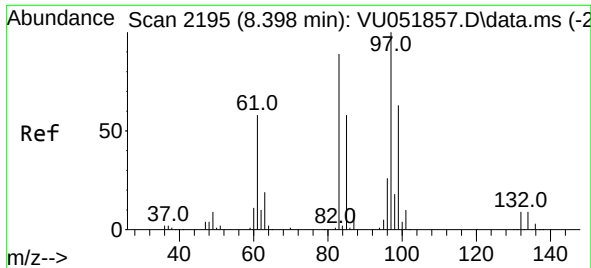
Tgt Ion: 75 Resp: 1252338

Ion Ratio Lower Upper

75 100

77 32.4 21.8 40.6



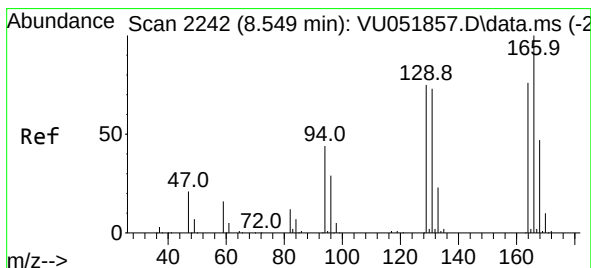
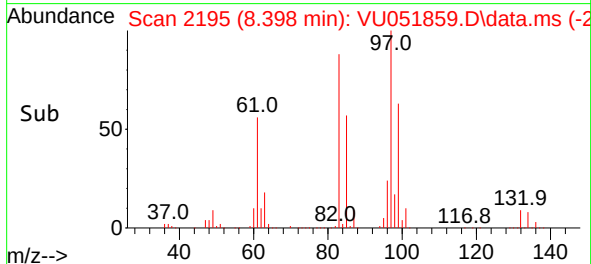
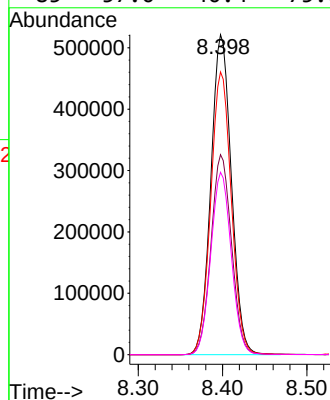
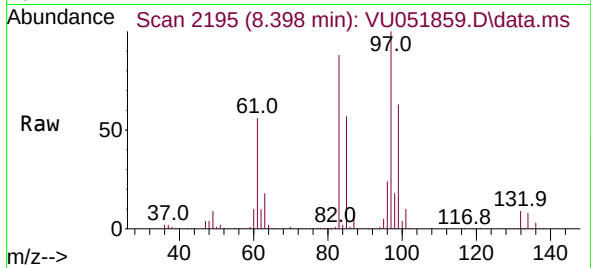


#45
1,1,2-Trichloroethane
Concen: 182.090 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. -0.000 min
Lab File: VU051859.D
Acq: 15 Nov 2022 13:49

Instrument :
MSVOA_U
ClientSampleId :
VSTD200053

Tgt Ion: 97 Resp: 881907

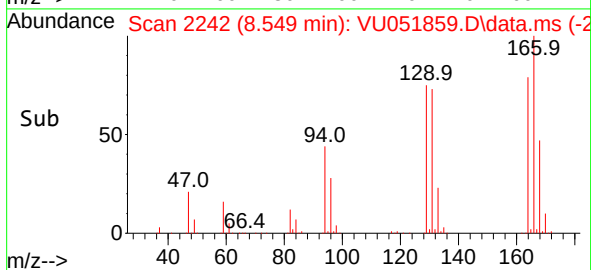
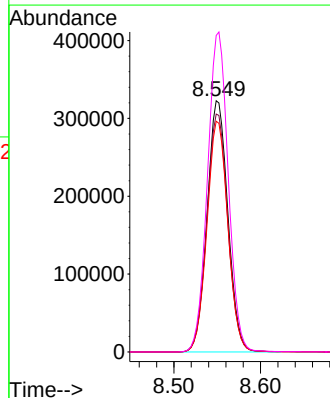
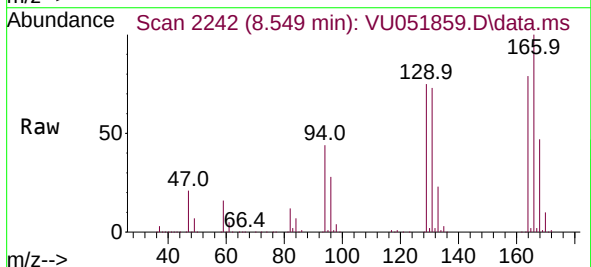
Ion	Ratio	Lower	Upper
97	100		
99	62.5	44.3	82.3
83	88.3	62.3	115.7
85	57.0	40.4	75.0

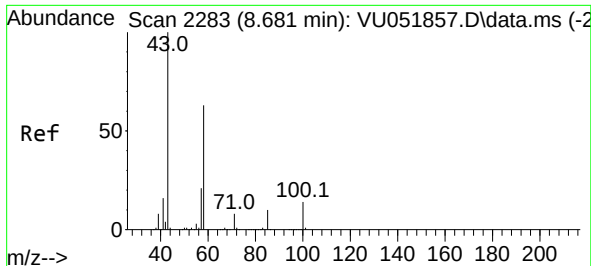


#46
Tetrachloroethene
Concen: 171.040 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.000 min
Lab File: VU051859.D
Acq: 15 Nov 2022 13:49

Tgt Ion: 164 Resp: 539901

Ion	Ratio	Lower	Upper
164	100		
129	94.7	68.5	127.1
131	91.9	66.6	123.8
166	125.9	91.9	170.7



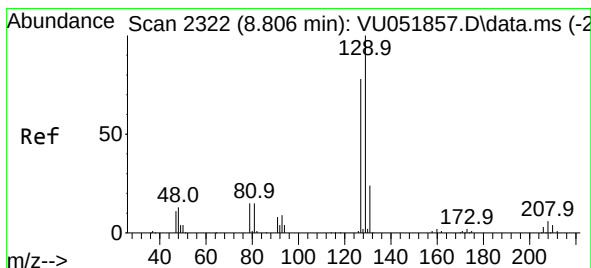
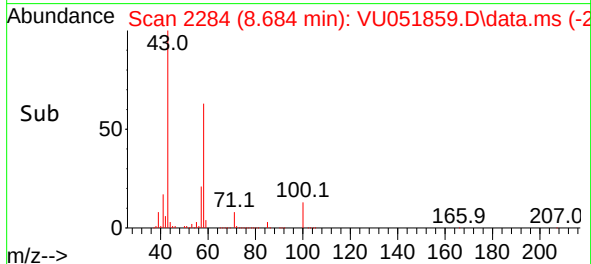
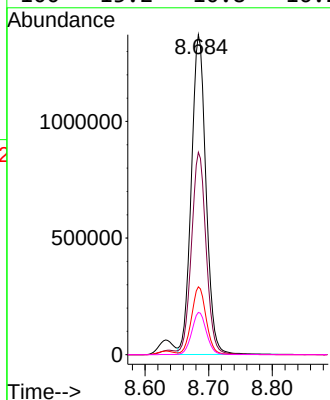
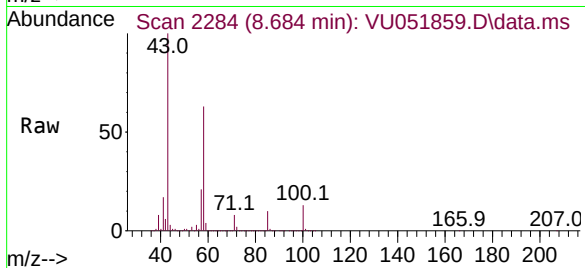


#48
2-Hexanone
Concen: 401.632 ug/L
RT: 8.684 min Scan# 2193
Delta R.T. 0.003 min
Lab File: VU051859.D
Acq: 15 Nov 2022 13:49

Instrument :
MSVOA_U
ClientSampleId :
VSTD200053

Tgt Ion: 43 Resp: 2193076

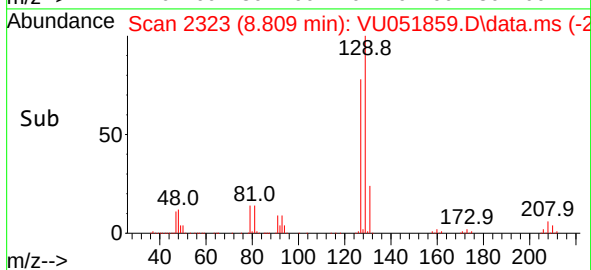
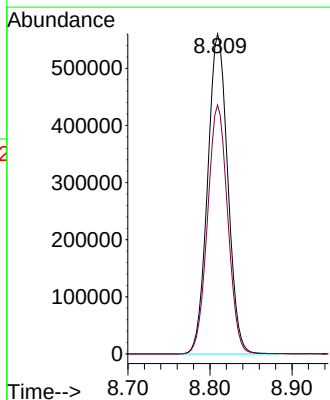
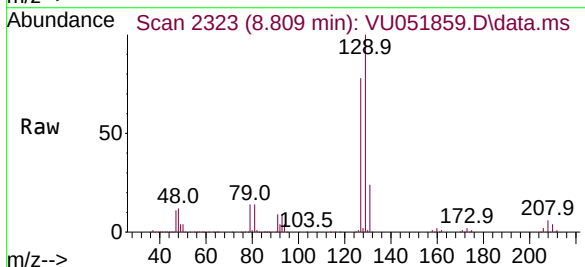
Ion	Ratio	Lower	Upper
43	100		
58	63.4	50.6	76.0
57	21.3	16.8	25.2
100	13.2	10.8	16.2

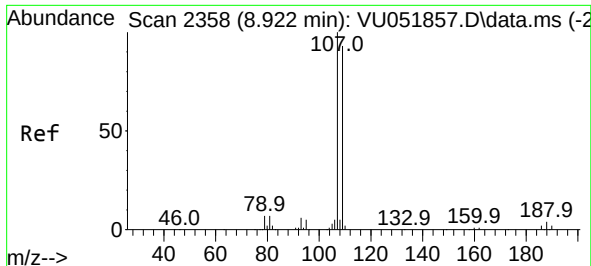


#49
Dibromochloromethane
Concen: 191.672 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. 0.003 min
Lab File: VU051859.D
Acq: 15 Nov 2022 13:49

Tgt Ion: 129 Resp: 955646

Ion	Ratio	Lower	Upper
129	100		
127	77.8	54.4	101.0





#50

1,2-Dibromoethane

Concen: 183.972 ug/L

RT: 8.922 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU051859.D

Acq: 15 Nov 2022 13:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD200053

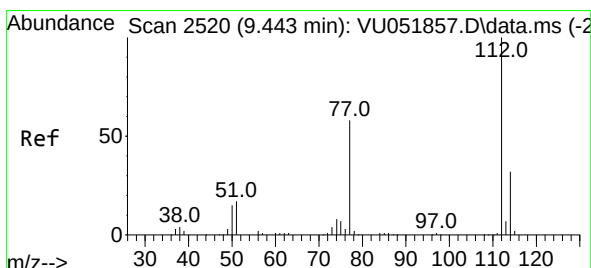
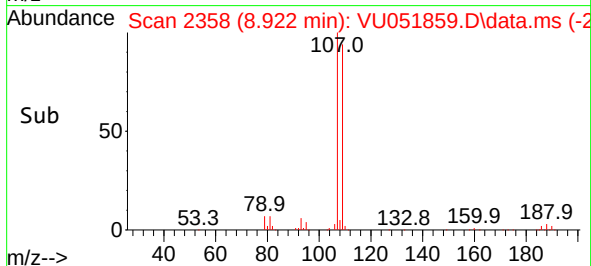
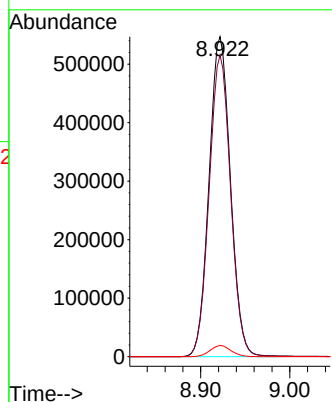
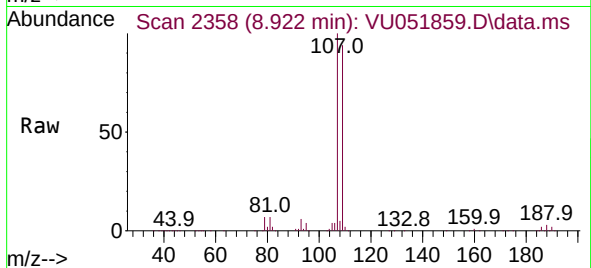
Tgt Ion:107 Resp: 913028

Ion Ratio Lower Upper

107 100

109 94.3 65.0 120.6

188 3.5 2.9 4.3



#51

Chlorobenzene

Concen: 187.070 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. 0.003 min

Lab File: VU051859.D

Acq: 15 Nov 2022 13:49

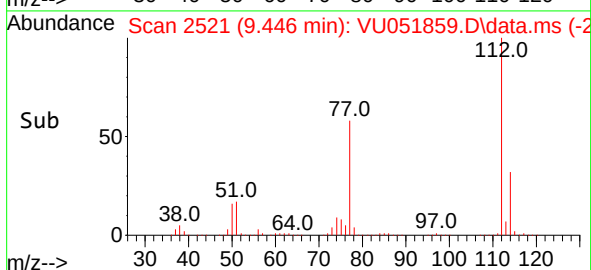
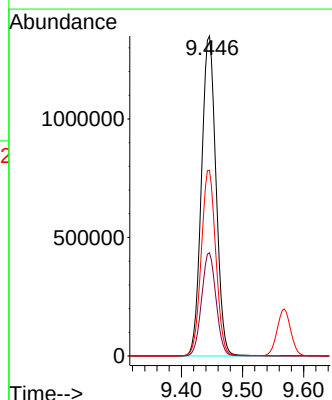
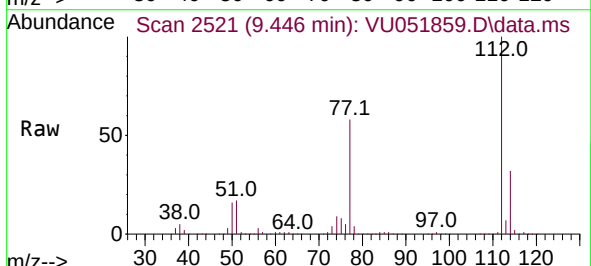
Tgt Ion:112 Resp: 2226720

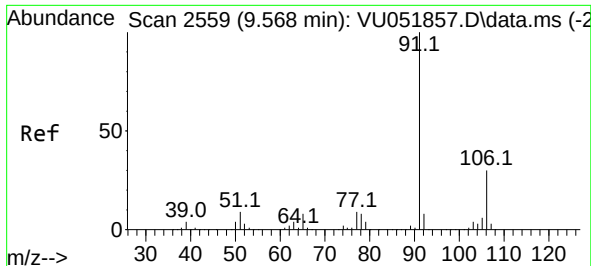
Ion Ratio Lower Upper

112 100

114 32.2 22.2 41.2

77 58.0 46.7 70.1

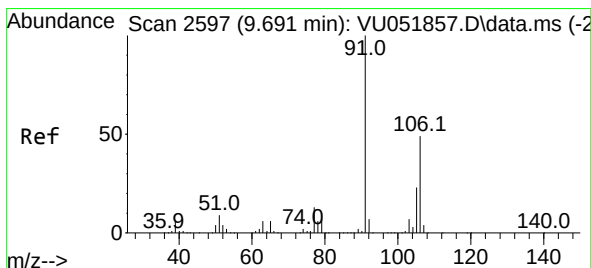
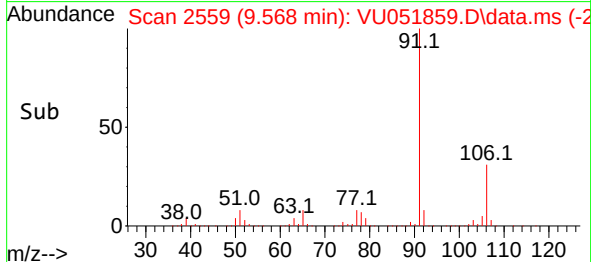
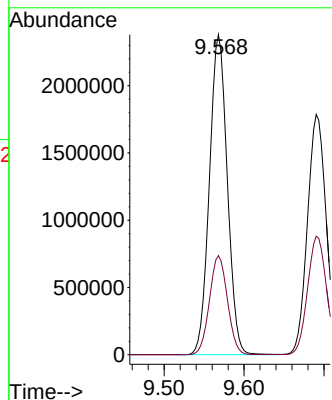
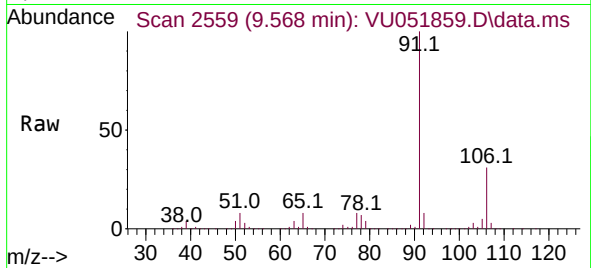




#52
Ethylbenzene
Concen: 202.604 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.000 min
Lab File: VU051859.D
Acq: 15 Nov 2022 13:49

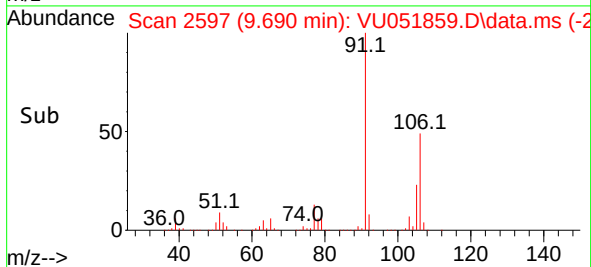
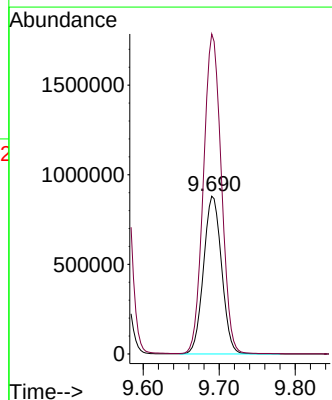
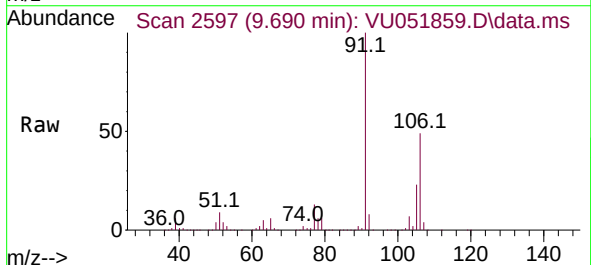
Instrument :
MSVOA_U
ClientSampleId :
VSTD200053

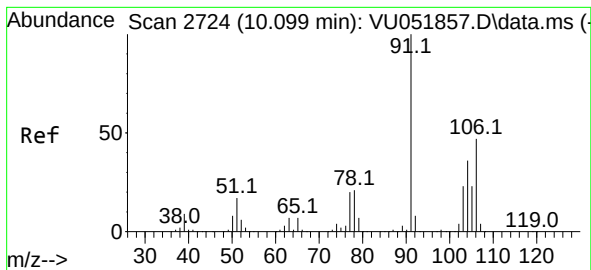
Tgt Ion: 91 Resp: 3696231
Ion Ratio Lower Upper
91 100
106 30.9 21.3 39.6



#53
m,p-Xylene
Concen: 206.193 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.000 min
Lab File: VU051859.D
Acq: 15 Nov 2022 13:49

Tgt Ion: 106 Resp: 1447355
Ion Ratio Lower Upper
106 100
91 202.9 141.7 263.3





#54

o-Xylene

Concen: 213.786 ug/L

RT: 10.098 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU051859.D

Acq: 15 Nov 2022 13:49

Instrument :

MSVOA_U

ClientSampleId :

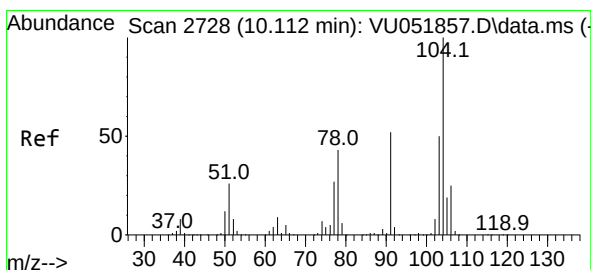
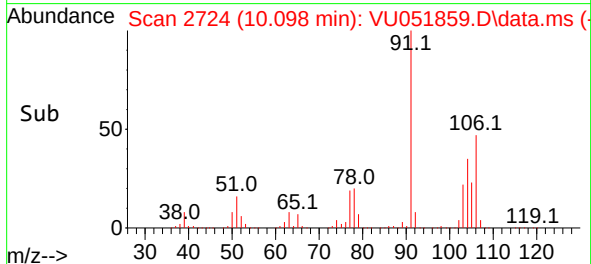
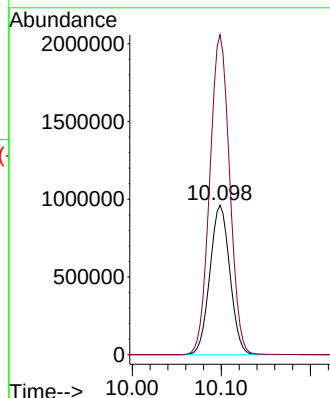
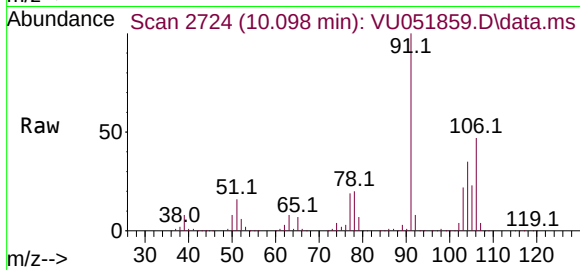
VSTD200053

Tgt Ion:106 Resp: 1496471

Ion Ratio Lower Upper

106 100

91 214.1 149.7 278.1



#55

Styrene

Concen: 220.859 ug/L

RT: 10.111 min Scan# 2728

Delta R.T. -0.000 min

Lab File: VU051859.D

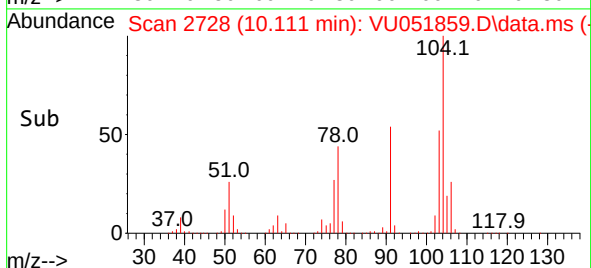
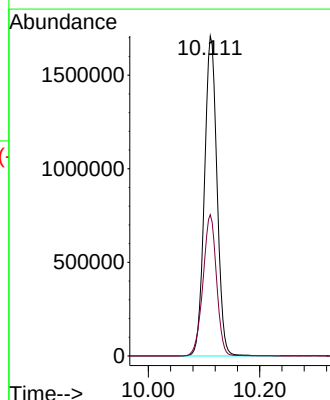
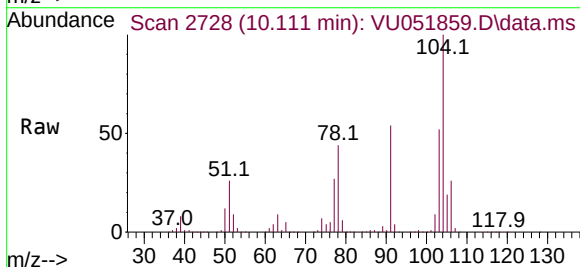
Acq: 15 Nov 2022 13:49

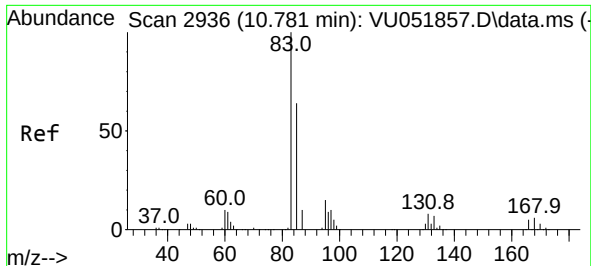
Tgt Ion:104 Resp: 2679671

Ion Ratio Lower Upper

104 100

78 44.1 30.3 56.3

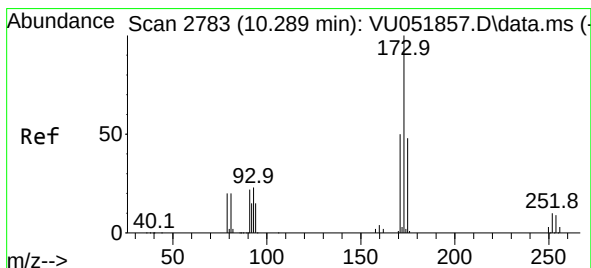
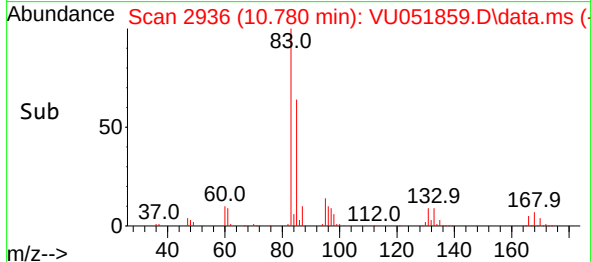
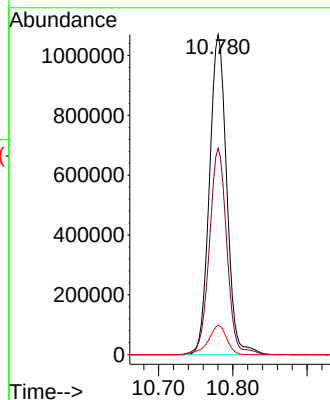
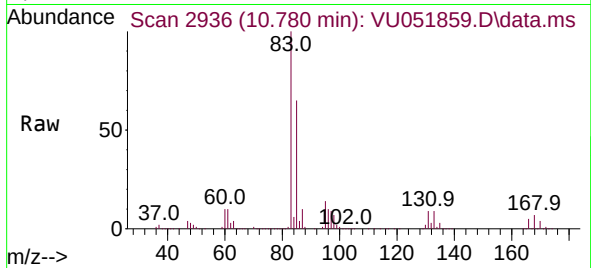




#57
1,1,2,2-Tetrachloroethane
Concen: 186.404 ug/L
RT: 10.780 min Scan# 2936
Delta R.T. -0.000 min
Lab File: VU051859.D
Acq: 15 Nov 2022 13:49

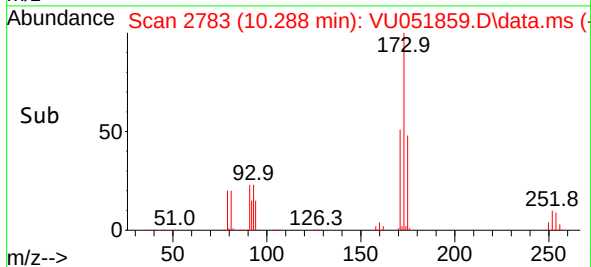
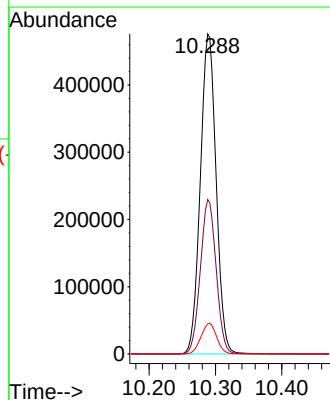
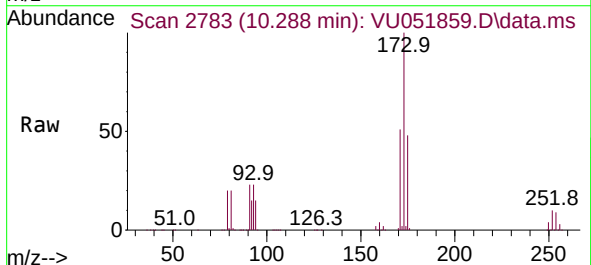
Instrument :
MSVOA_U
ClientSampleId :
VSTD200053

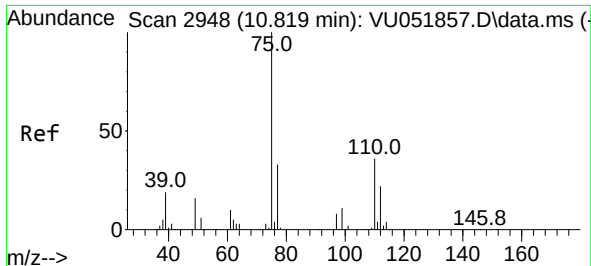
Tgt Ion: 83 Resp: 1718888
Ion Ratio Lower Upper
83 100
85 64.5 44.9 83.3
131 9.2 6.8 10.2



#59
Bromoform
Concen: 185.376 ug/L
RT: 10.288 min Scan# 2783
Delta R.T. -0.000 min
Lab File: VU051859.D
Acq: 15 Nov 2022 13:49

Tgt Ion:173 Resp: 788614
Ion Ratio Lower Upper
173 100
175 48.2 38.9 58.3
254 9.5 7.4 11.2

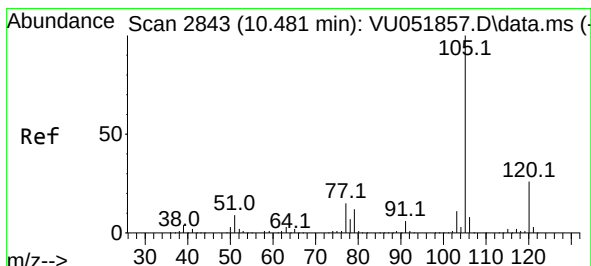
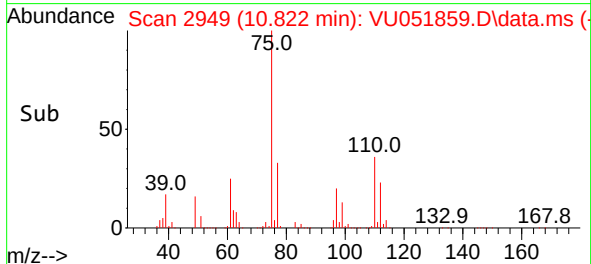
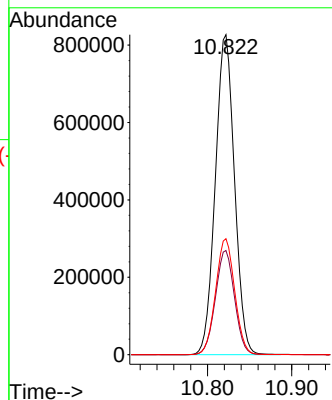
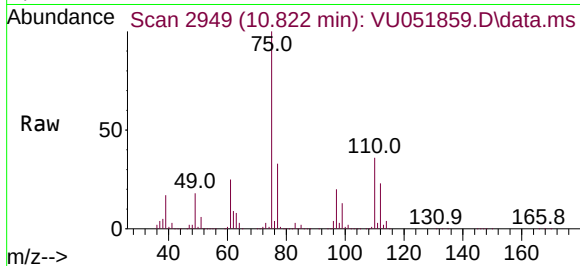




#60
1,2,3-Trichloropropane
Concen: 166.921 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. 0.003 min
Lab File: VU051859.D
Acq: 15 Nov 2022 13:49

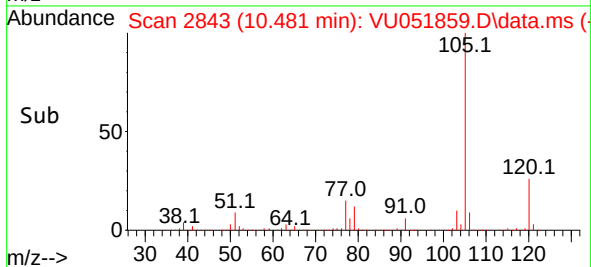
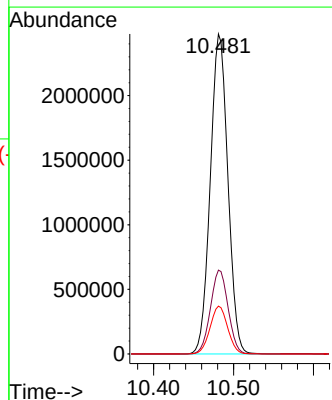
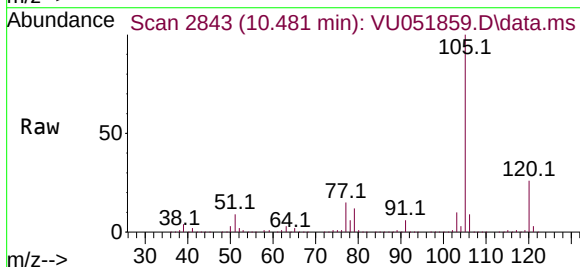
Instrument :
MSVOA_U
ClientSampleId :
VSTD200053

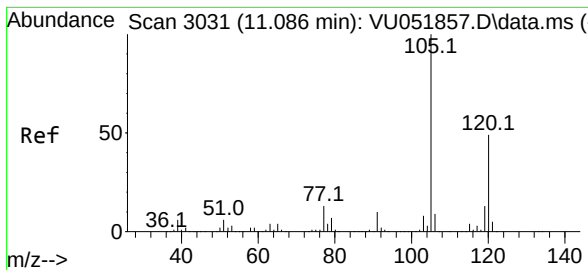
Tgt Ion: 75 Resp: 1303597
Ion Ratio Lower Upper
75 100
77 32.4 26.2 39.4
110 36.1 29.0 43.4



#61
Isopropylbenzene
Concen: 198.934 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. -0.000 min
Lab File: VU051859.D
Acq: 15 Nov 2022 13:49

Tgt Ion: 105 Resp: 3786208
Ion Ratio Lower Upper
105 100
120 26.3 21.1 31.7
77 15.0 12.2 18.4

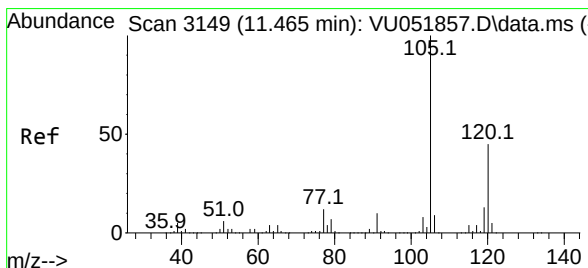
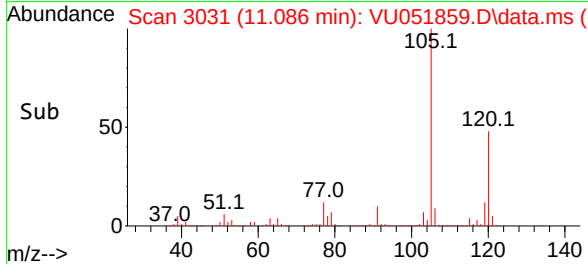
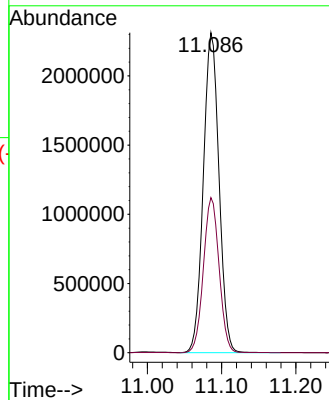
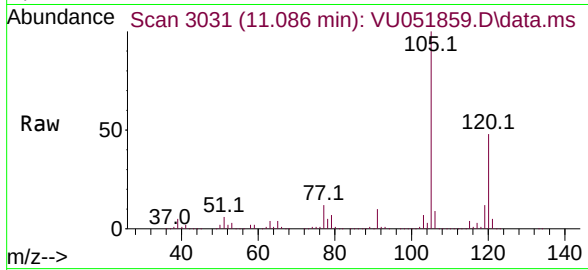




#62
 1,3,5-Trimethylbenzene
 Concen: 211.796 ug/L
 RT: 11.086 min Scan# 3031
 Delta R.T. -0.000 min
 Lab File: VU051859.D
 Acq: 15 Nov 2022 13:49

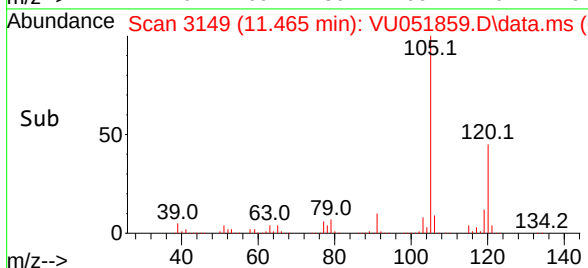
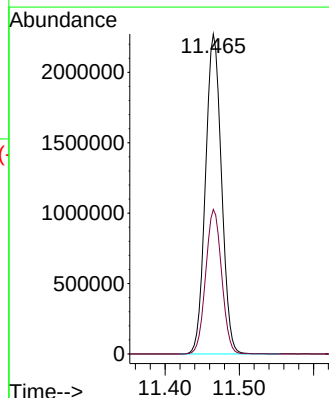
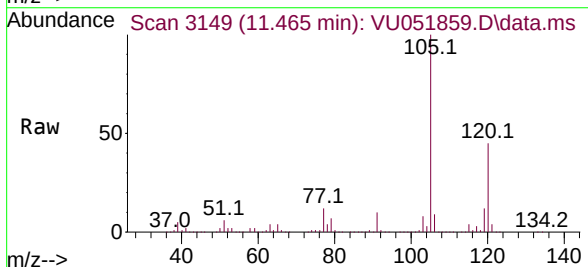
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD200053

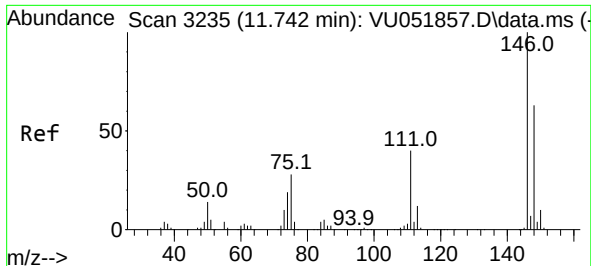
Tgt Ion:105 Resp: 3384998
 Ion Ratio Lower Upper
 105 100
 120 48.5 39.1 58.7



#63
 1,2,4-Trimethylbenzene
 Concen: 215.577 ug/L
 RT: 11.465 min Scan# 3149
 Delta R.T. -0.000 min
 Lab File: VU051859.D
 Acq: 15 Nov 2022 13:49

Tgt Ion:105 Resp: 3389245
 Ion Ratio Lower Upper
 105 100
 120 45.2 36.2 54.2

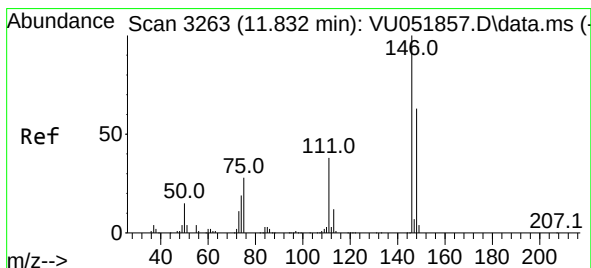
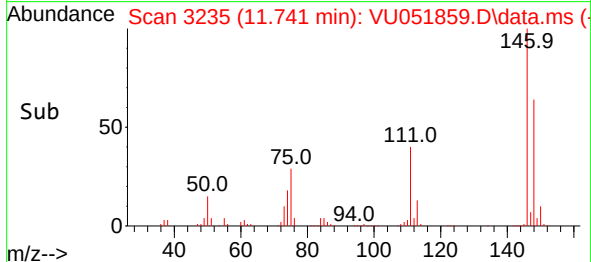
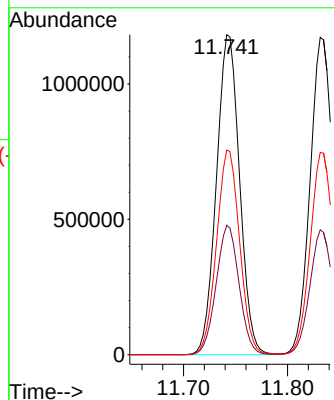
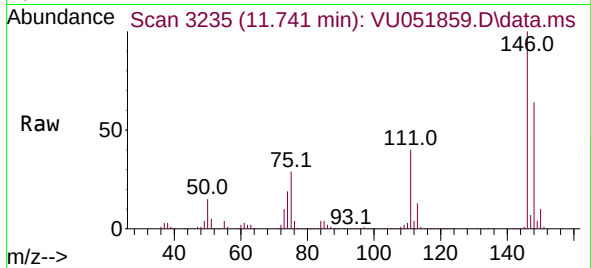




#64
1,3-Dichlorobenzene
Concen: 188.977 ug/L
RT: 11.741 min Scan# 311
Delta R.T. -0.000 min
Lab File: VU051859.D
Acq: 15 Nov 2022 13:49

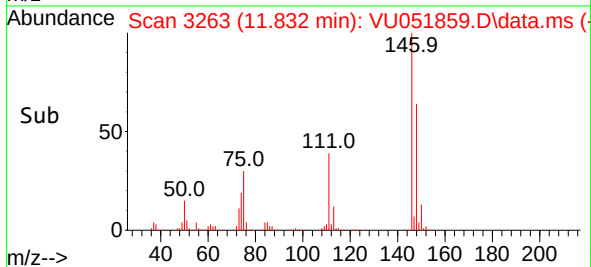
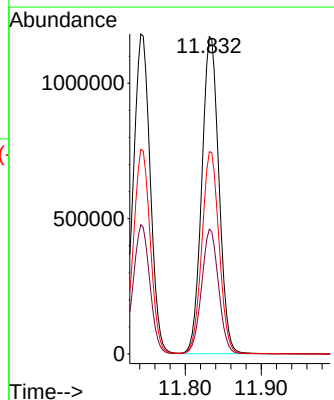
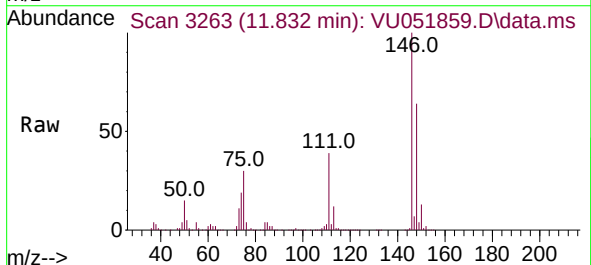
Instrument :
MSVOA_U
ClientSampleId :
VSTD200053

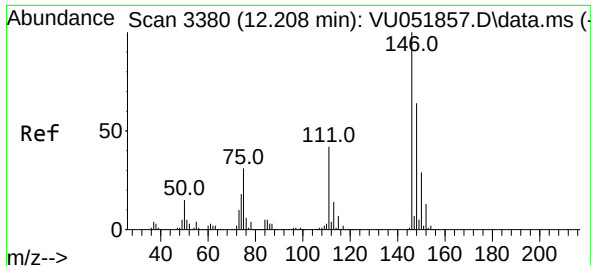
Tgt Ion:146 Resp: 1832596
Ion Ratio Lower Upper
146 100
111 40.4 28.1 52.1
148 63.9 44.4 82.4



#65
1,4-Dichlorobenzene
Concen: 184.431 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU051859.D
Acq: 15 Nov 2022 13:49

Tgt Ion:146 Resp: 1835002
Ion Ratio Lower Upper
146 100
111 39.3 26.7 49.5
148 63.8 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 186.650 ug/L

RT: 12.211 min Scan# 3380

Delta R.T. 0.003 min

Lab File: VU051859.D

Acq: 15 Nov 2022 13:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD200053

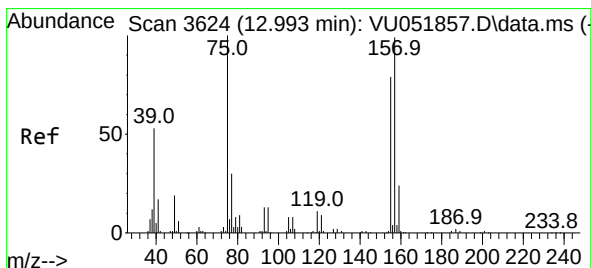
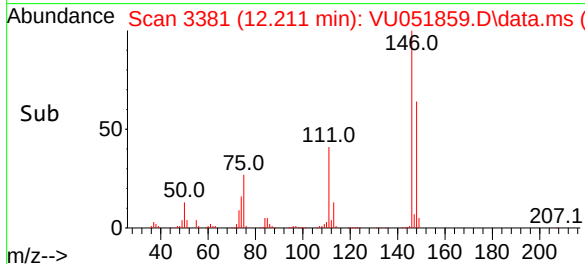
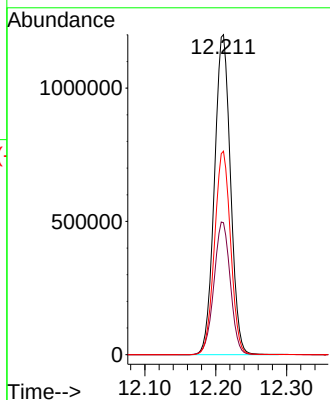
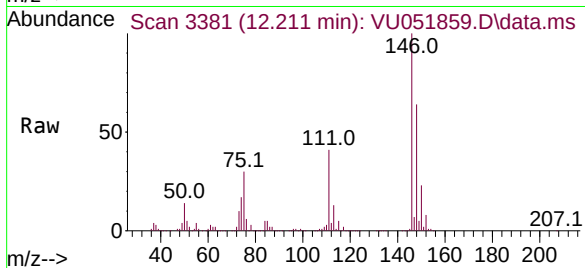
Tgt Ion:146 Resp: 1889485

Ion Ratio Lower Upper

146 100

111 41.2 33.6 50.4

148 63.6 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 173.958 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. -0.000 min

Lab File: VU051859.D

Acq: 15 Nov 2022 13:49

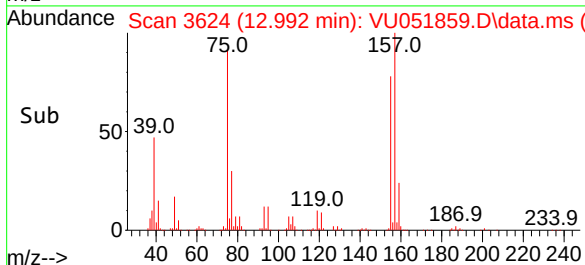
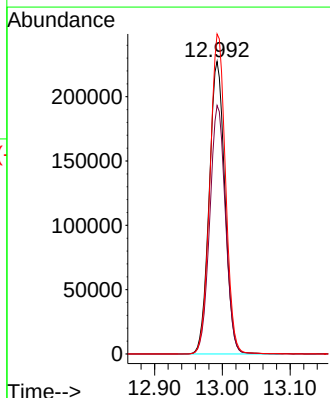
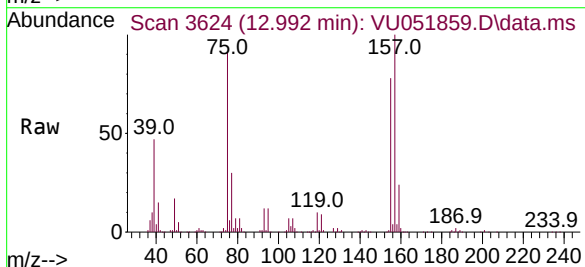
Tgt Ion: 75 Resp: 365580

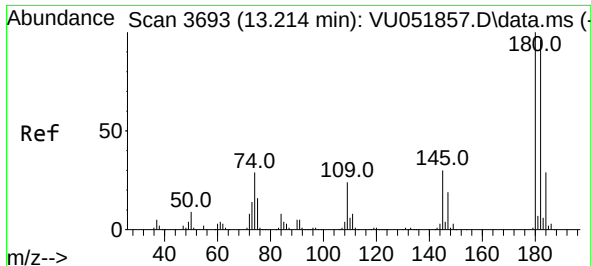
Ion Ratio Lower Upper

75 100

155 85.0 63.0 94.6

157 109.4 79.4 119.0



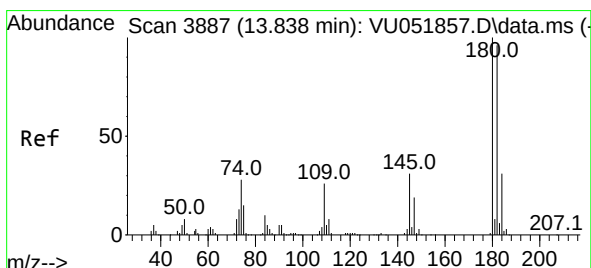
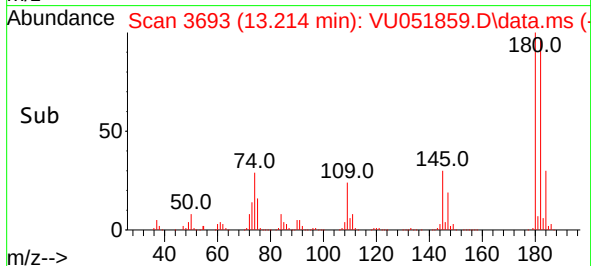
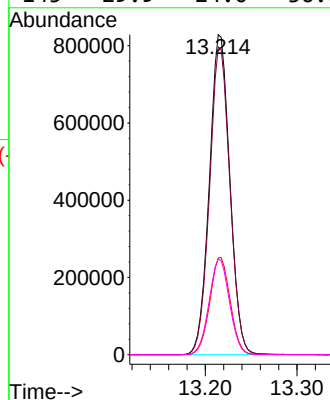
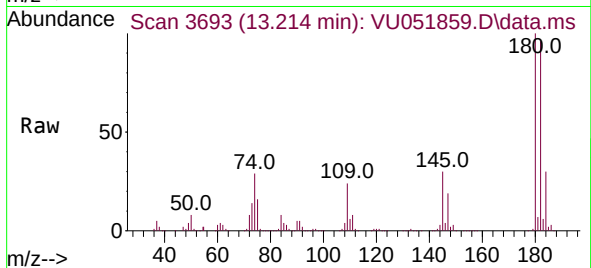


#69
 1,3,5-Trichlorobenzene
 Concen: 197.173 ug/L
 RT: 13.214 min Scan# 3693
 Delta R.T. -0.000 min
 Lab File: VU051859.D
 Acq: 15 Nov 2022 13:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD200053

Tgt Ion:180 Resp: 1283421

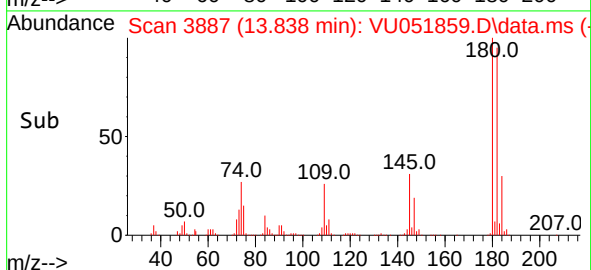
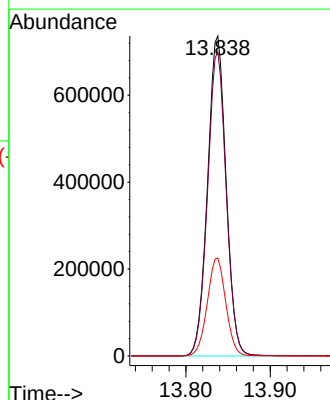
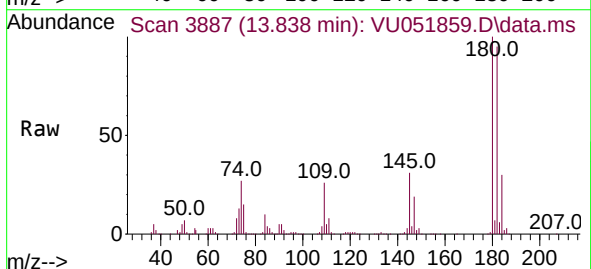
Ion	Ratio	Lower	Upper
180	100		
182	95.7	77.0	115.4
184	30.3	23.8	35.8
145	29.9	24.0	36.0

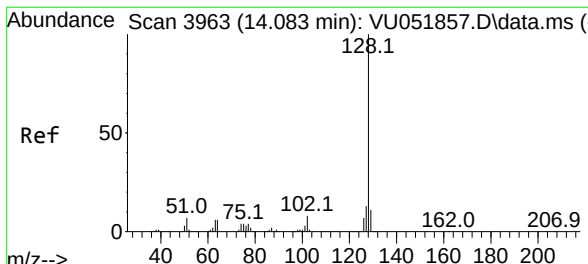


#70
 1,2,4-trichlorobenzene
 Concen: 224.331 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. -0.000 min
 Lab File: VU051859.D
 Acq: 15 Nov 2022 13:49

Tgt Ion:180 Resp: 1128122

Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.4	114.6
145	30.6	24.2	36.2

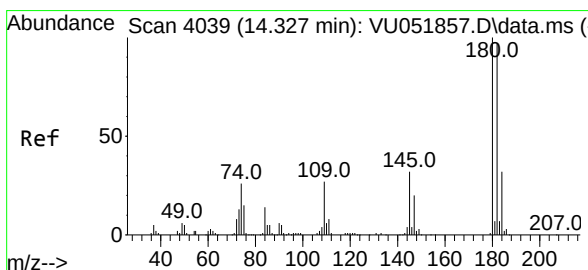
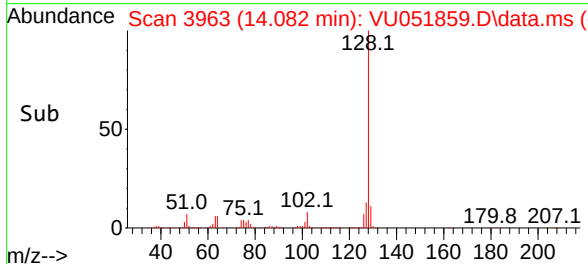
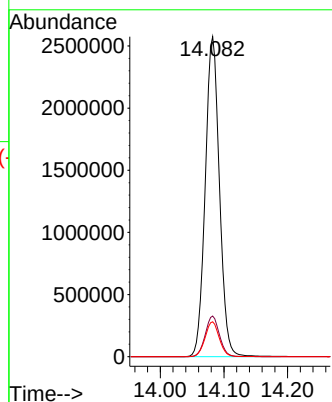
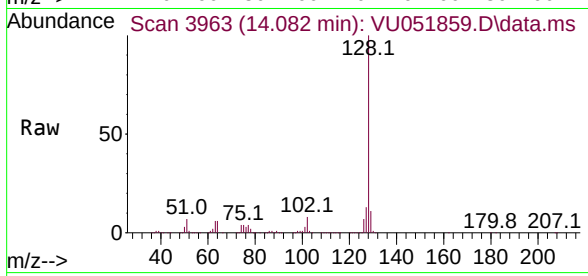




#71
Naphthalene
Concen: 246.104 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. -0.000 min
Lab File: VU051859.D
Acq: 15 Nov 2022 13:49

Instrument :
MSVOA_U
ClientSampleId :
VSTD200053

Tgt Ion:128 Resp: 3997688
Ion Ratio Lower Upper
128 100
127 12.7 10.4 15.6
129 10.9 8.5 12.7



#72
1,2,3-Trichlorobenzene
Concen: 217.831 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. -0.000 min
Lab File: VU051859.D
Acq: 15 Nov 2022 13:49

Tgt Ion:180 Resp: 1172905
Ion Ratio Lower Upper
180 100
182 95.8 76.9 115.3
145 32.1 24.9 37.3

