

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101223\
 Data File : VU055763.D
 Acq On : 12 Oct 2023 13:54
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 12 22:18:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 12 22:16:59 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	430470	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	447326	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	262300	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	142607	36.934	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.860%
7) Chloroethane-d5	1.888	69	129216	40.941	ug/L	-0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.880%
11) 1,1-Dichloroethene-d2	2.560	63	273697	39.755	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.500%
21) 2-Butanone-d5	4.615	46	239435	83.688	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	83.690%
24) Chloroform-d	5.055	84	351712	47.515	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.020%
26) 1,2-Dichloroethane-d4	5.695	65	228706	50.197	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.400%
32) Benzene-d6	5.721	84	646113	45.144	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.280%
36) 1,2-Dichloropropane-d6	6.685	67	210709	46.504	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.000%
41) Toluene-d8	7.894	98	582588	45.079	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.160%
43) trans-1,3-Dichloroprop...	8.174	79	101053	46.428	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.860%
47) 2-Hexanone-d5	8.631	63	156212	87.698	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.700%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	360998	51.761	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.520%
66) 1,2-Dichlorobenzene-d4	12.190	152	254244	48.844	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.680%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	144094	40.202	ug/L	100
3) Chloromethane	1.518	50	162985	48.056	ug/L	98
5) Vinyl chloride	1.602	62	162185	43.453	ug/L	97
6) Bromomethane	1.830	94	80465	33.723	ug/L	97
8) Chloroethane	1.914	64	111231	45.433	ug/L	97
9) Trichlorofluoromethane	2.126	101	225051	42.202	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	140194	40.879	ug/L	99
12) 1,1-Dichloroethene	2.573	96	132323	43.359	ug/L	93
13) Acetone	2.618	43	190850	71.883	ug/L	100
14) Carbon disulfide	2.785	76	371318	39.982	ug/L	99
15) Methyl Acetate	2.940	43	178191	43.824	ug/L	96
16) Methylene chloride	3.036	84	182255	49.246	ug/L	96
17) trans-1,2-Dichloroethene	3.345	96	145028	46.474	ug/L	99
18) Methyl tert-butyl Ether	3.354	73	541974	54.004	ug/L	98
19) 1,1-Dichloroethane	3.859	63	306990	47.971	ug/L	99
20) cis-1,2-Dichloroethene	4.660	96	178411	50.093	ug/L	98
22) 2-Butanone	4.692	43	255269	79.768	ug/L	97
23) Bromochloromethane	4.968	128	96393	52.259	ug/L	97
25) Chloroform	5.081	83	339727	50.818	ug/L	98

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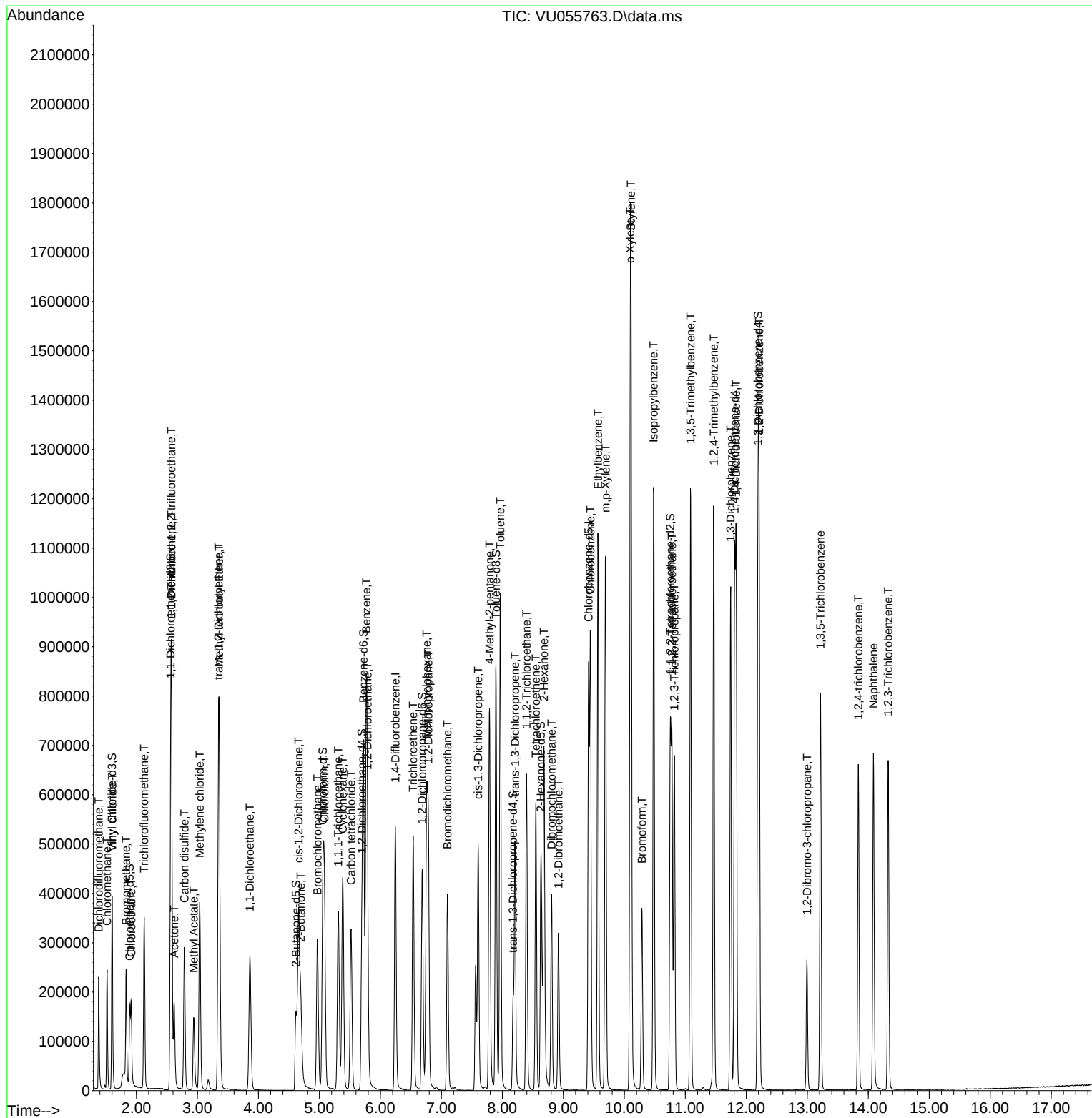
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	284711	53.248	ug/L	99
29) Cyclohexane	5.380	56	206562	40.287	ug/L	99
30) 1,1,1-Trichloroethane	5.309	97	265291	45.904	ug/L	99
31) Carbon tetrachloride	5.518	117	220648	43.618	ug/L	96
33) Benzene	5.769	78	693987	49.079	ug/L	100
34) Trichloroethene	6.538	95	177241	45.810	ug/L	98
35) Methylcyclohexane	6.759	83	224304	39.957	ug/L	99
37) 1,2-Dichloropropane	6.785	63	192343	49.398	ug/L	99
38) Bromodichloromethane	7.100	83	258257	50.295	ug/L	98
39) cis-1,3-Dichloropropene	7.602	75	296976	50.133	ug/L	99
40) 4-Methyl-2-pentanone	7.788	43	514323	94.948	ug/L	98
42) Toluene	7.965	91	733207	49.141	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	283909	50.091	ug/L	98
45) 1,1,2-Trichloroethane	8.396	97	199717	52.018	ug/L	98
46) Tetrachloroethene	8.550	164	123836	44.704	ug/L	98
48) 2-Hexanone	8.682	43	456418	99.753	ug/L	99
49) Dibromochloromethane	8.804	129	202394	51.591	ug/L	100
50) 1,2-Dibromoethane	8.920	107	208182	50.482	ug/L	98
51) Chlorobenzene	9.444	112	476655	49.375	ug/L	99
52) Ethylbenzene	9.566	91	779632	47.794	ug/L	98
53) m,p-Xylene	9.692	106	306264	50.114	ug/L	97
54) o-Xylene	10.097	106	307553	52.006	ug/L	98
55) Styrene	10.110	104	551932	55.093	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.779	83	351142	53.412	ug/L	97
59) Bromoform	10.287	173	160326	49.652	ug/L	97
60) 1,2,3-Trichloropropane	10.817	75	283746	49.844	ug/L	98
61) Isopropylbenzene	10.480	105	770970	47.148	ug/L	100
62) 1,3,5-Trimethylbenzene	11.084	105	656216	49.595	ug/L	100
63) 1,2,4-Trimethylbenzene	11.467	105	648920	49.598	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	403520	49.919	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	399668	48.089	ug/L	98
67) 1,2-Dichlorobenzene	12.209	146	410822	51.213	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.994	75	70513	41.432	ug/L	97
69) 1,3,5-Trichlorobenzene	13.216	180	235580	43.691	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	187299	41.704	ug/L	99
71) Naphthalene	14.084	128	548677	41.126	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	192429	43.457	ug/L	97

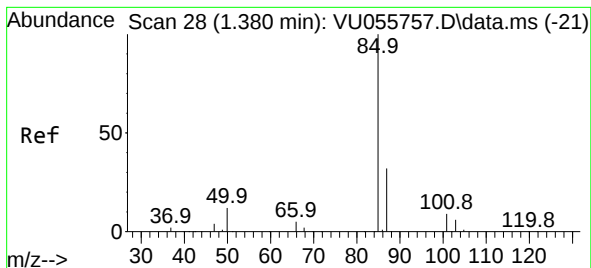
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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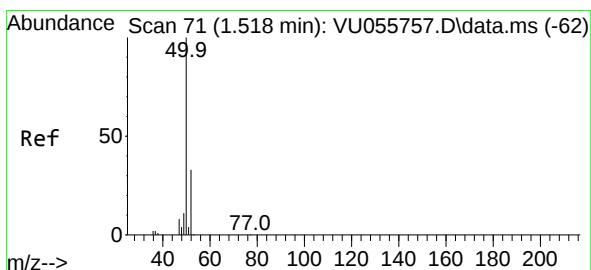
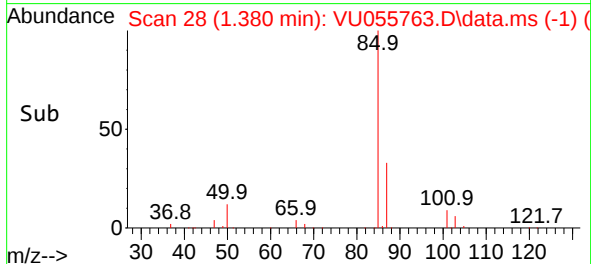
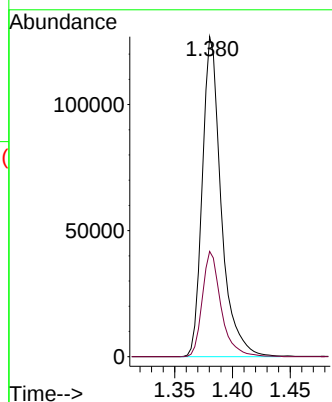
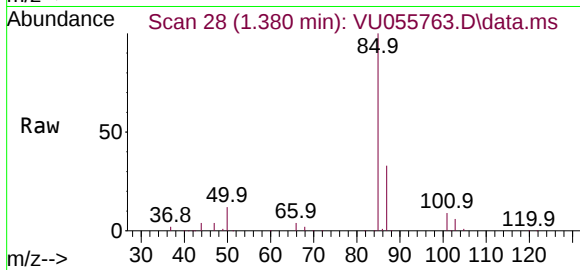




#2
Dichlorodifluoromethane
Concen: 40.202 ug/L
RT: 1.380 min Scan# 28
Delta R.T. 0.000 min
Lab File: VU055763.D
Acq: 12 Oct 2023 13:54

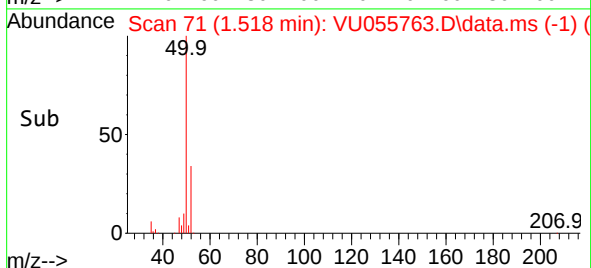
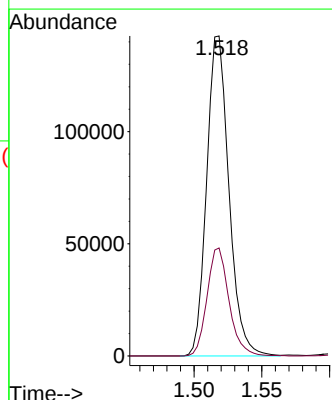
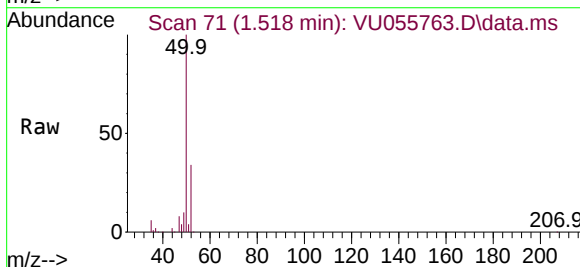
Instrument :
MSVOA_U
ClientSampleId :

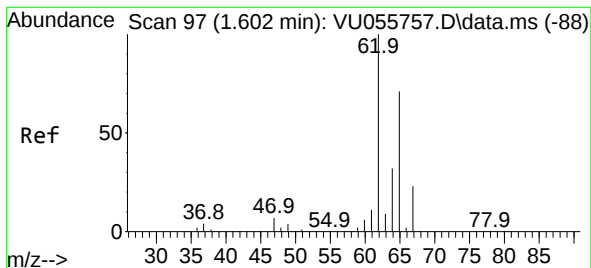
Tgt Ion: 85 Resp: 144094
Ion Ratio Lower Upper
85 100
87 32.8 26.0 39.0



#3
Chloromethane
Concen: 48.056 ug/L
RT: 1.518 min Scan# 71
Delta R.T. 0.000 min
Lab File: VU055763.D
Acq: 12 Oct 2023 13:54

Tgt Ion: 50 Resp: 162985
Ion Ratio Lower Upper
50 100
52 33.7 22.8 42.4





#5

Vinyl chloride

Concen: 43.453 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.000 min

Lab File: VU055763.D

Acq: 12 Oct 2023 13:54

Instrument :

MSVOA_U

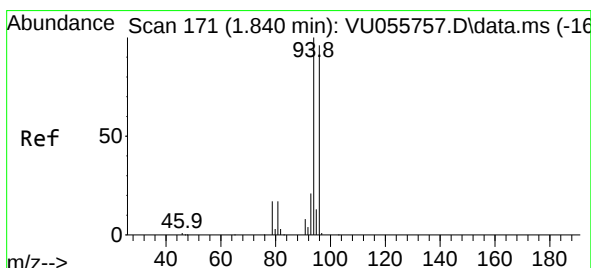
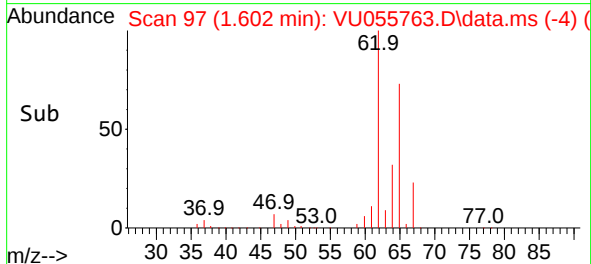
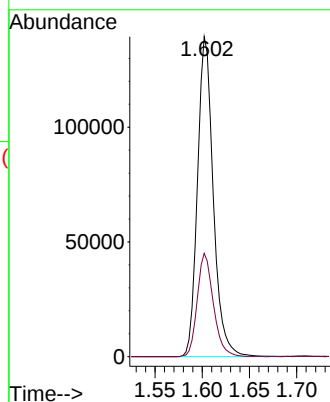
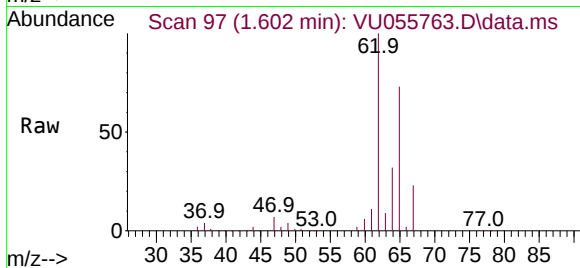
ClientSampleId :

Tgt Ion: 62 Resp: 162185

Ion Ratio Lower Upper

62 100

64 32.3 23.9 44.5



#6

Bromomethane

Concen: 33.723 ug/L

RT: 1.830 min Scan# 168

Delta R.T. -0.010 min

Lab File: VU055763.D

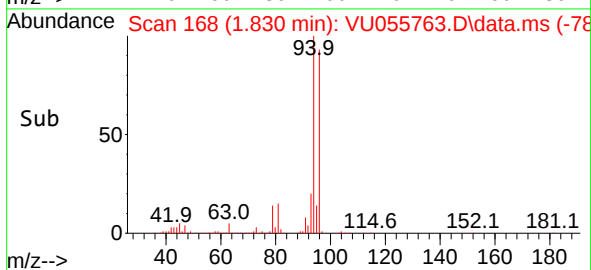
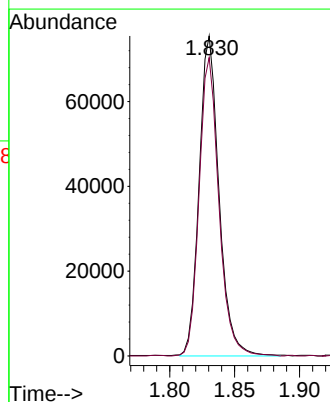
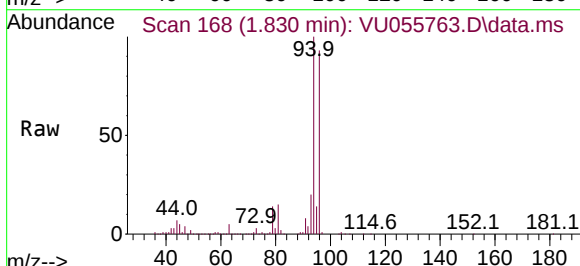
Acq: 12 Oct 2023 13:54

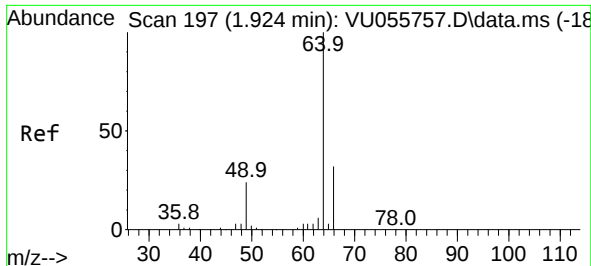
Tgt Ion: 94 Resp: 80465

Ion Ratio Lower Upper

94 100

96 93.2 63.5 117.9





#8

Chloroethane

Concen: 45.433 ug/L

RT: 1.914 min Scan# 19

Delta R.T. -0.010 min

Lab File: VU055763.D

Acq: 12 Oct 2023 13:54

Instrument :

MSVOA_U

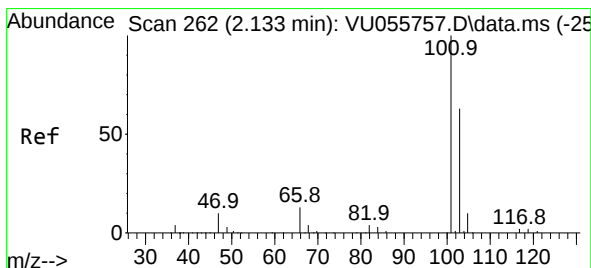
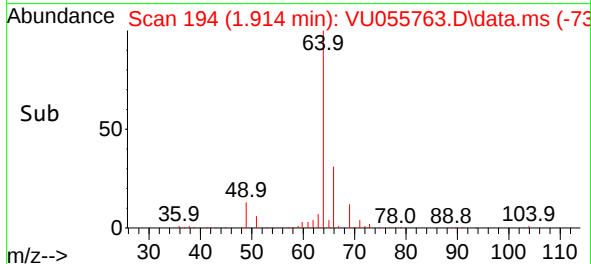
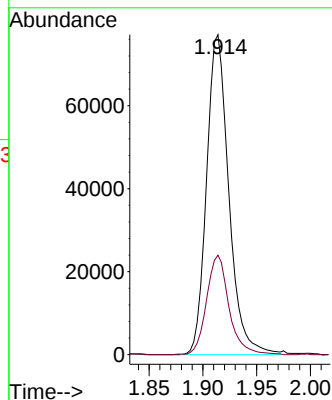
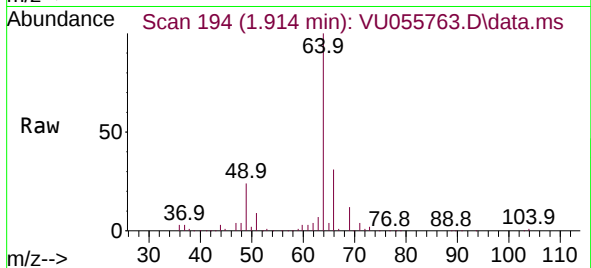
ClientSampleId :

Tgt Ion: 64 Resp: 111231

Ion Ratio Lower Upper

64 100

66 31.1 22.9 42.5



#9

Trichlorofluoromethane

Concen: 42.202 ug/L

RT: 2.126 min Scan# 260

Delta R.T. -0.006 min

Lab File: VU055763.D

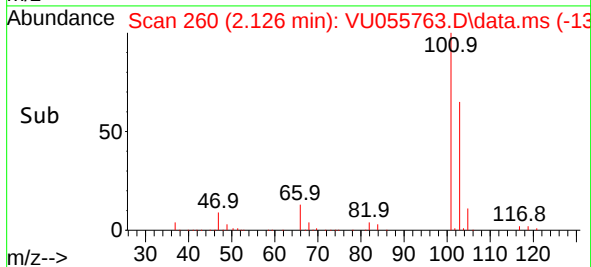
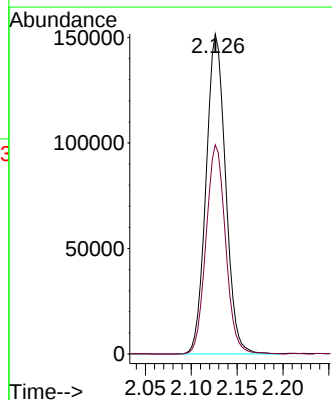
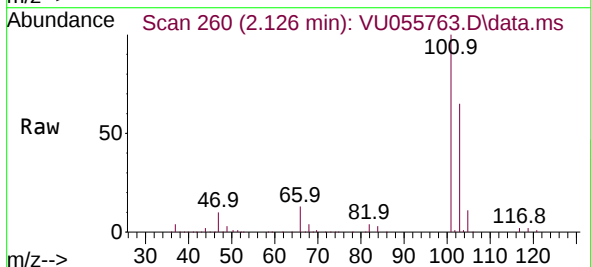
Acq: 12 Oct 2023 13:54

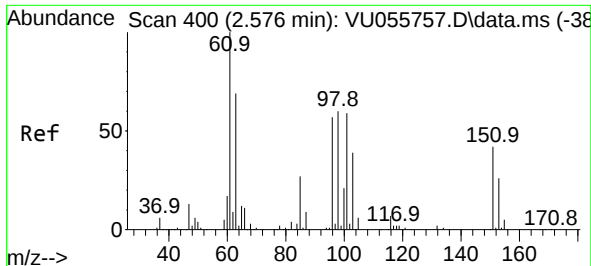
Tgt Ion:101 Resp: 225051

Ion Ratio Lower Upper

101 100

103 65.2 51.3 76.9

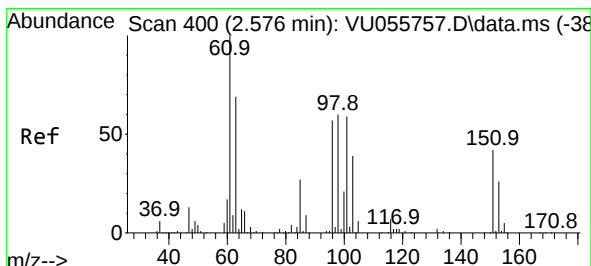
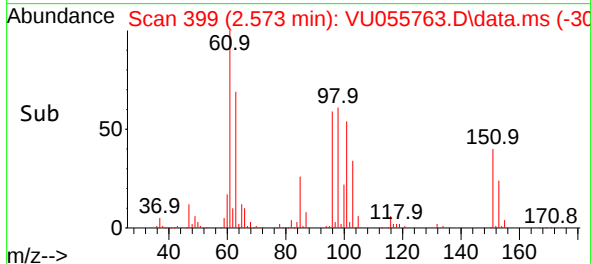
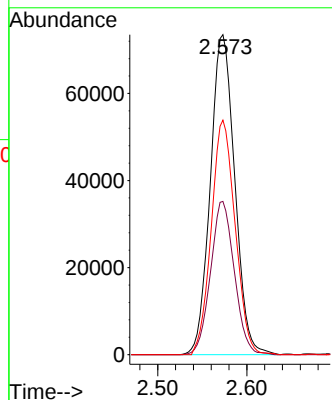
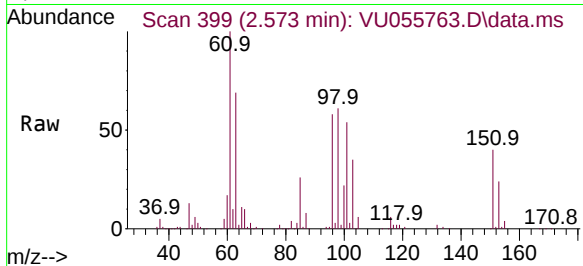




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 40.879 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. -0.003 min
 Lab File: VU055763.D
 Acq: 12 Oct 2023 13:54

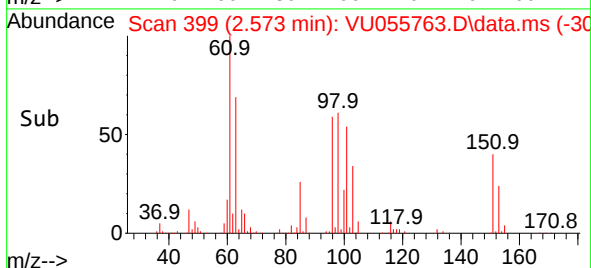
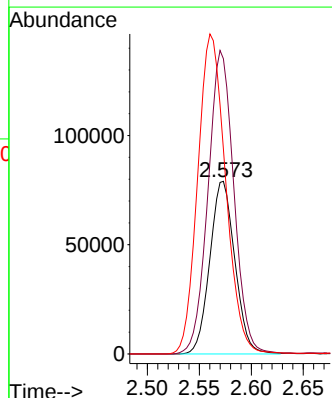
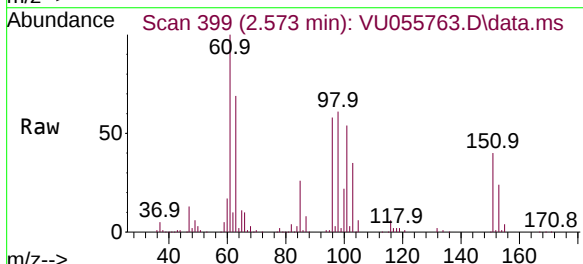
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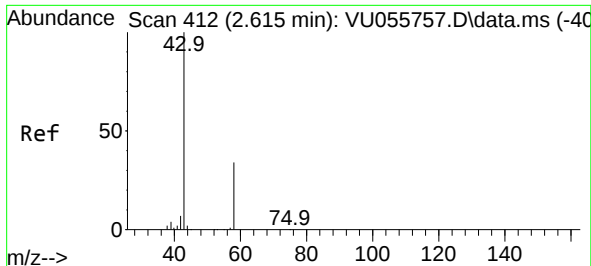
Tgt Ion:101 Resp: 140194
 Ion Ratio Lower Upper
 101 100
 85 46.5 37.1 55.7
 151 71.6 58.2 87.4



#12
 1,1-Dichloroethene
 Concen: 43.359 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. -0.003 min
 Lab File: VU055763.D
 Acq: 12 Oct 2023 13:54

Tgt Ion: 96 Resp: 132323
 Ion Ratio Lower Upper
 96 100
 61 171.1 122.0 226.6
 63 118.8 93.7 174.1





#13

Acetone

Concen: 71.883 ug/L

RT: 2.618 min Scan# 41

Delta R.T. 0.003 min

Lab File: VU055763.D

Acq: 12 Oct 2023 13:54

Instrument :

MSVOA_U

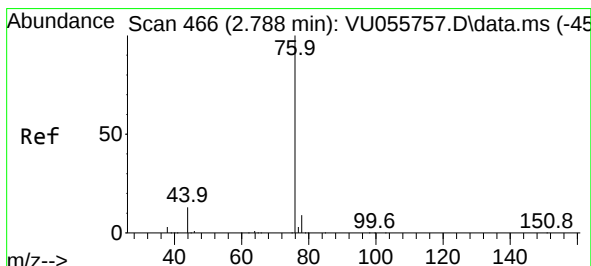
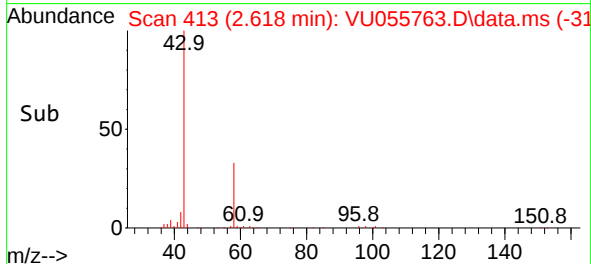
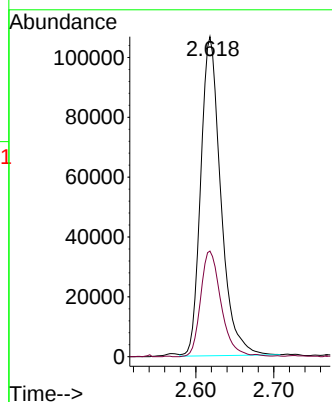
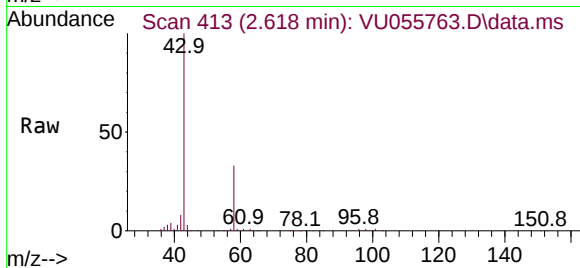
ClientSampleId :

Tgt Ion: 43 Resp: 190850

Ion Ratio Lower Upper

43 100

58 33.6 0.0 67.4



#14

Carbon disulfide

Concen: 39.982 ug/L

RT: 2.785 min Scan# 465

Delta R.T. -0.003 min

Lab File: VU055763.D

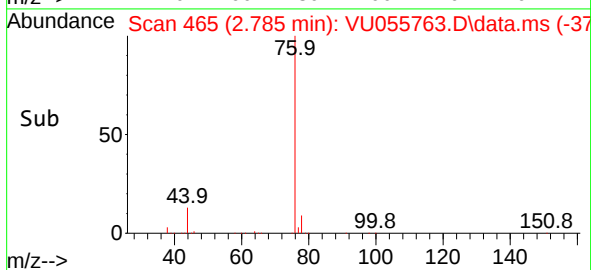
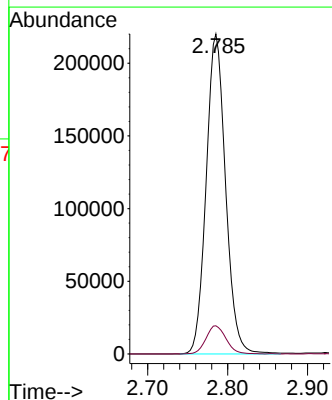
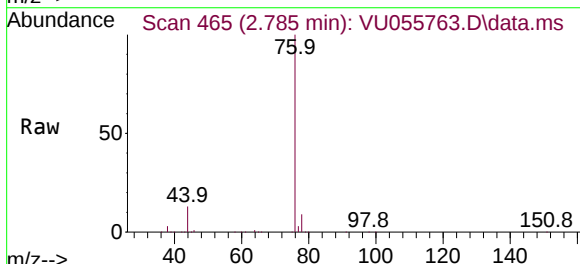
Acq: 12 Oct 2023 13:54

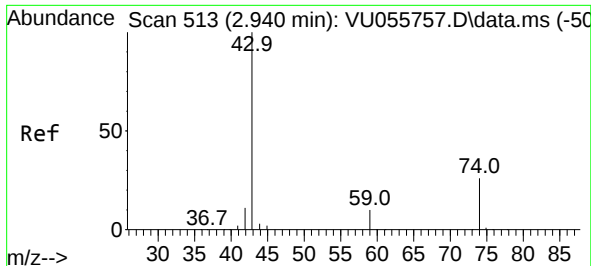
Tgt Ion: 76 Resp: 371318

Ion Ratio Lower Upper

76 100

78 8.8 6.8 10.2

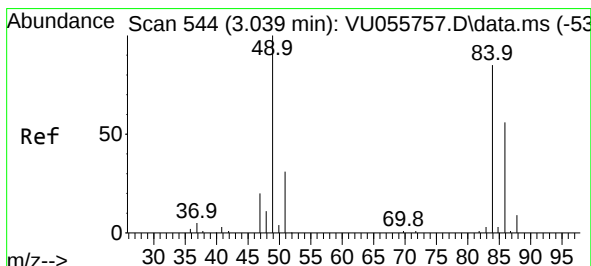
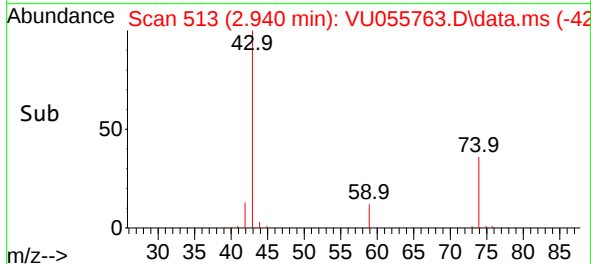
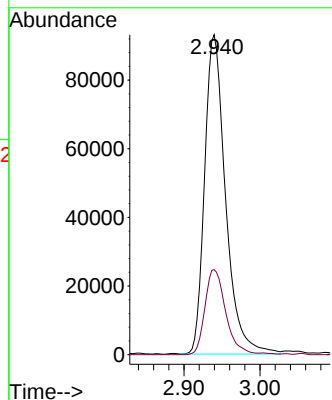
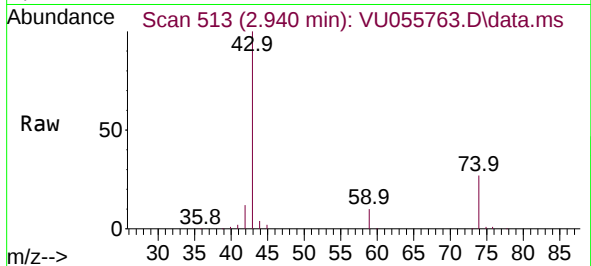




#15
Methyl Acetate
Concen: 43.824 ug/L
RT: 2.940 min Scan# 513
Delta R.T. 0.000 min
Lab File: VU055763.D
Acq: 12 Oct 2023 13:54

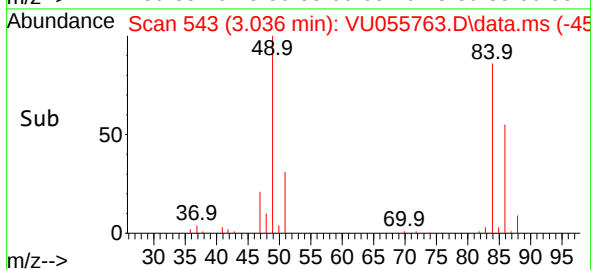
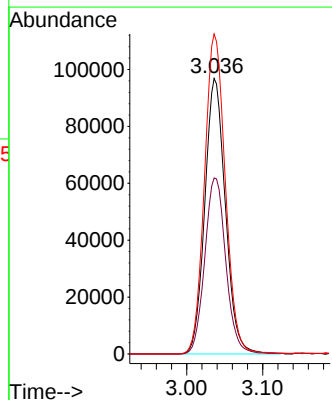
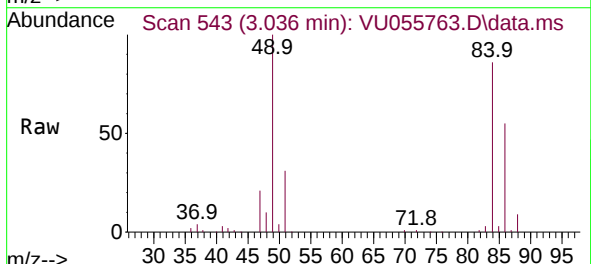
Instrument :
MSVOA_U
ClientSampleId :

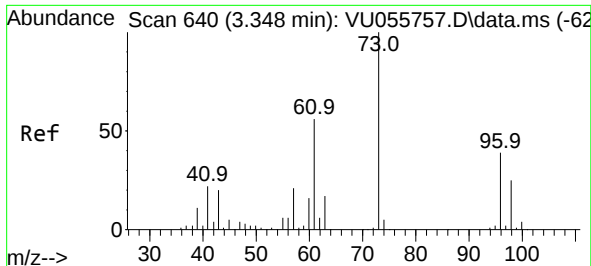
Tgt Ion: 43 Resp: 178191
Ion Ratio Lower Upper
43 100
74 26.3 19.5 29.3



#16
Methylene chloride
Concen: 49.246 ug/L
RT: 3.036 min Scan# 543
Delta R.T. -0.003 min
Lab File: VU055763.D
Acq: 12 Oct 2023 13:54

Tgt Ion: 84 Resp: 182255
Ion Ratio Lower Upper
84 100
86 63.8 46.3 86.1
49 116.1 84.8 157.6

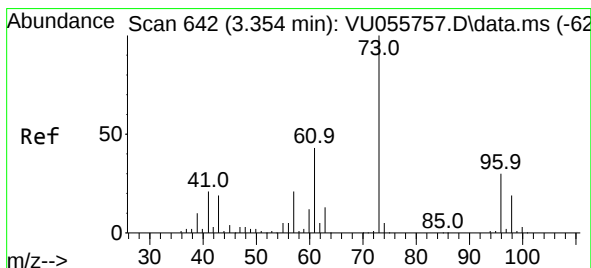
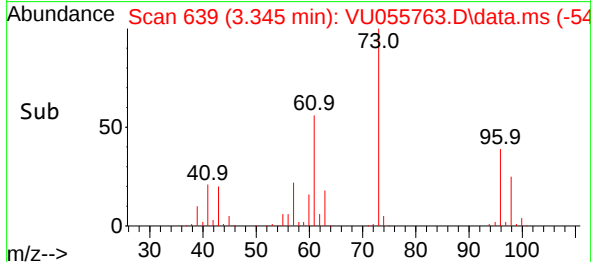
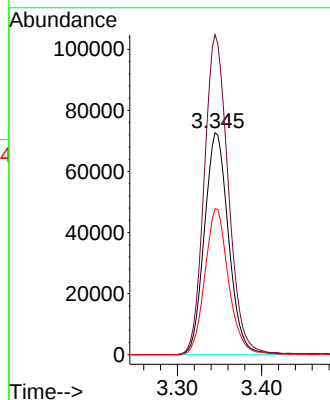
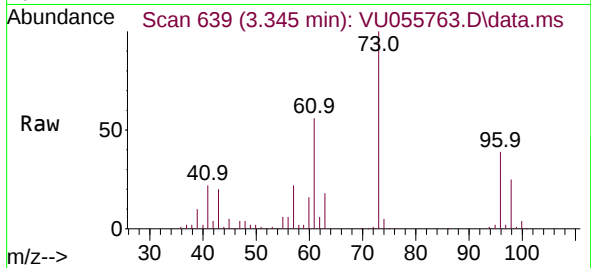




#17
trans-1,2-Dichloroethene
Concen: 46.474 ug/L
RT: 3.345 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU055763.D
Acq: 12 Oct 2023 13:54

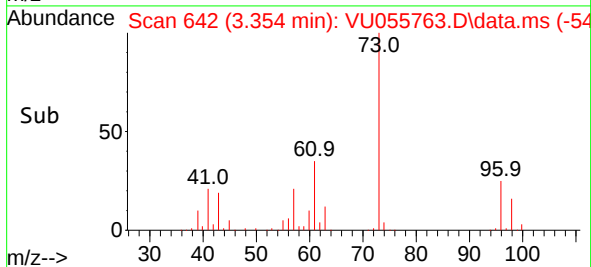
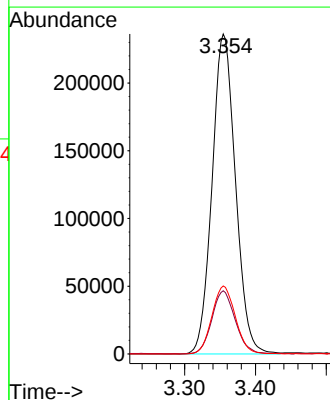
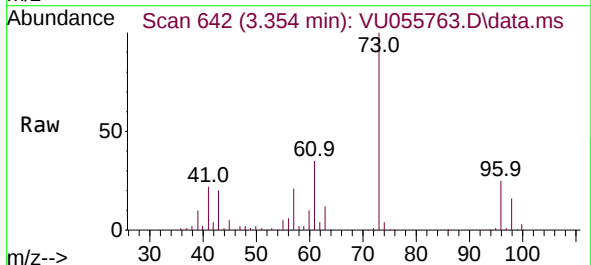
Instrument :
MSVOA_U
ClientSampleId :

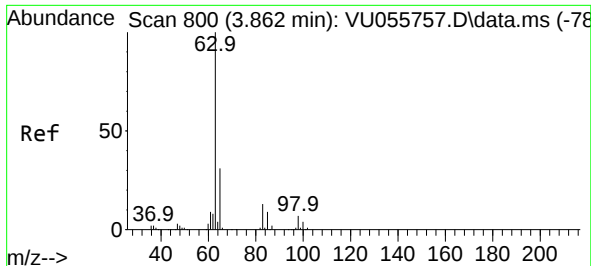
Tgt Ion: 96 Resp: 145028
Ion Ratio Lower Upper
96 100
61 144.2 102.1 189.7
98 65.7 46.3 86.1



#18
Methyl tert-butyl Ether
Concen: 54.004 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.000 min
Lab File: VU055763.D
Acq: 12 Oct 2023 13:54

Tgt Ion: 73 Resp: 541974
Ion Ratio Lower Upper
73 100
43 20.0 15.4 23.2
57 21.2 17.7 26.5

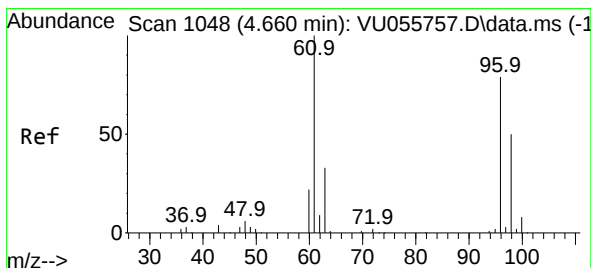
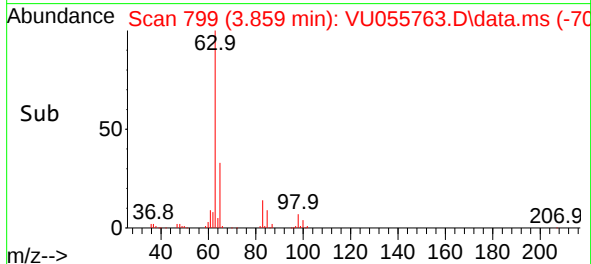
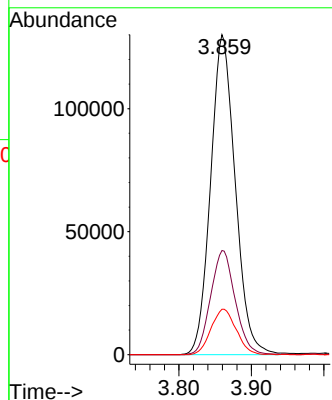
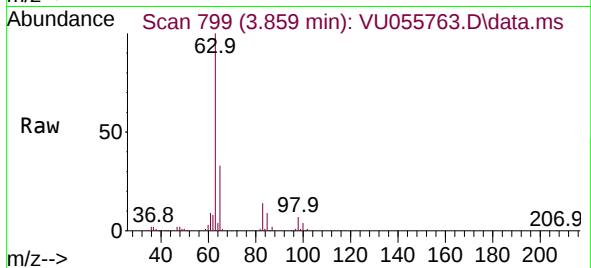




#19
1,1-Dichloroethane
Concen: 47.971 ug/L
RT: 3.859 min Scan# 799
Delta R.T. -0.003 min
Lab File: VU055763.D
Acq: 12 Oct 2023 13:54

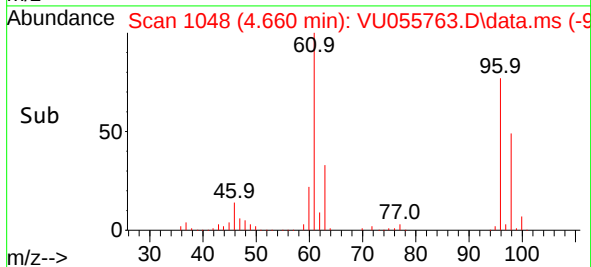
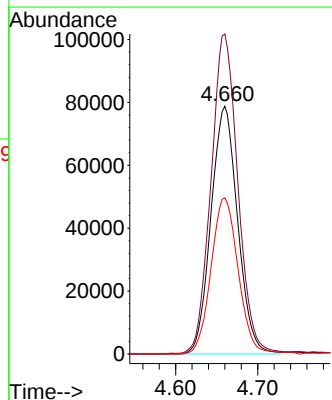
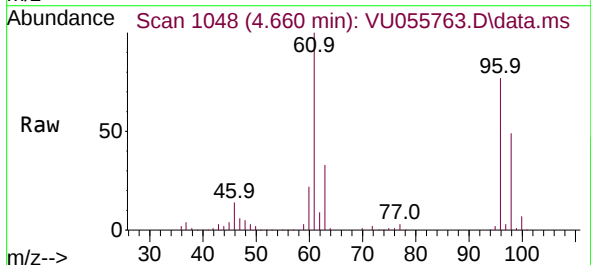
Instrument :
MSVOA_U
ClientSampleId :

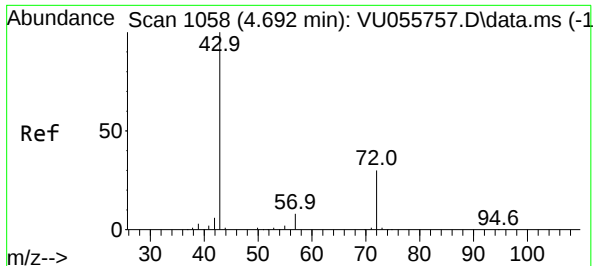
Tgt Ion: 63 Resp: 306990
Ion Ratio Lower Upper
63 100
65 32.5 22.3 41.5
83 14.2 9.5 17.7



#20
cis-1,2-Dichloroethene
Concen: 50.093 ug/L
RT: 4.660 min Scan# 1048
Delta R.T. 0.000 min
Lab File: VU055763.D
Acq: 12 Oct 2023 13:54

Tgt Ion: 96 Resp: 178411
Ion Ratio Lower Upper
96 100
61 129.1 92.3 171.5
98 62.9 43.9 81.5





#22

2-Butanone

Concen: 79.768 ug/L

RT: 4.692 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VU055763.D

Acq: 12 Oct 2023 13:54

Instrument :

MSVOA_U

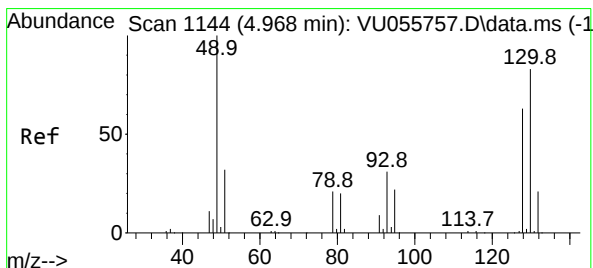
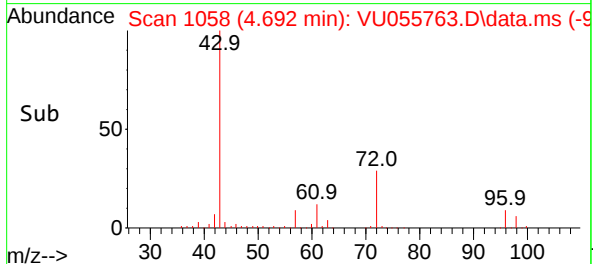
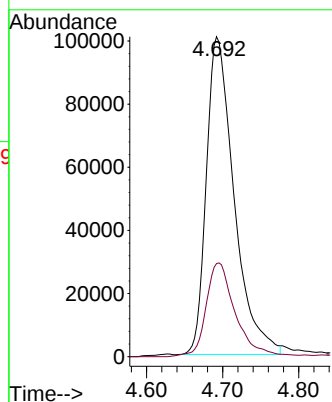
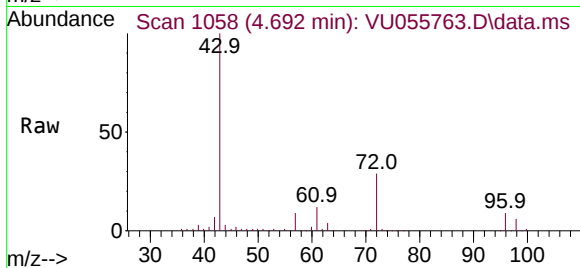
ClientSampleId :

Tgt Ion: 43 Resp: 255269

Ion Ratio Lower Upper

43 100

72 31.1 14.6 44.0



#23

Bromochloromethane

Concen: 52.259 ug/L

RT: 4.968 min Scan# 1144

Delta R.T. 0.000 min

Lab File: VU055763.D

Acq: 12 Oct 2023 13:54

Tgt Ion: 128 Resp: 96393

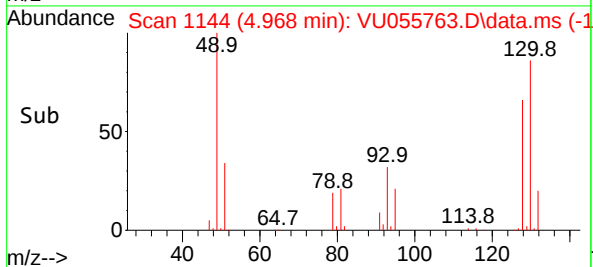
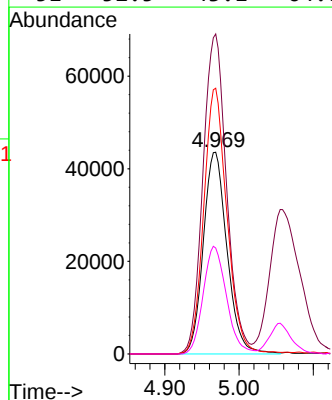
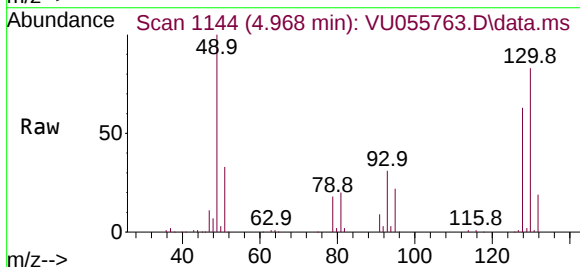
Ion Ratio Lower Upper

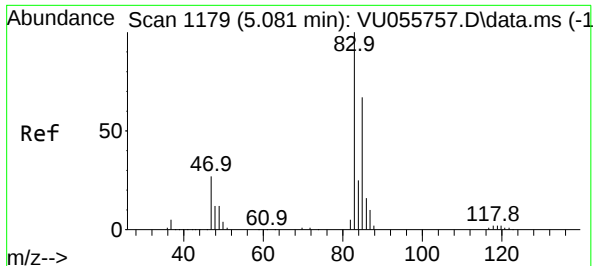
128 100

49 158.6 116.3 216.1

130 131.7 91.6 170.0

51 52.5 43.1 64.7





#25

Chloroform

Concen: 50.818 ug/L

RT: 5.081 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VU055763.D

Acq: 12 Oct 2023 13:54

Instrument :

MSVOA_U

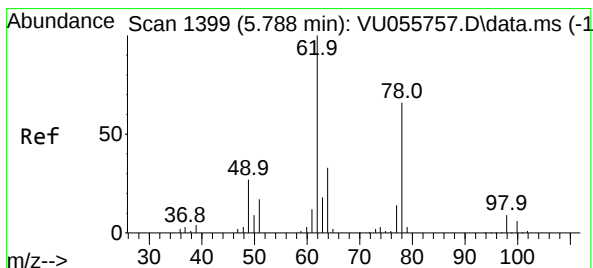
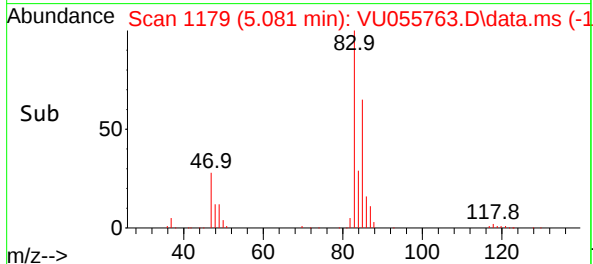
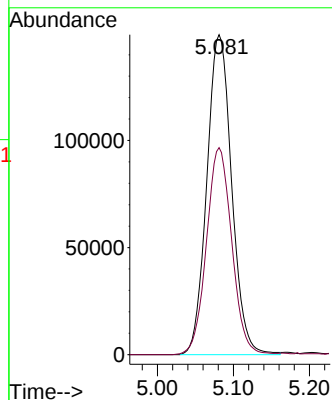
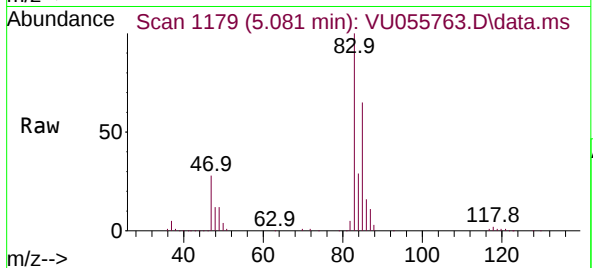
ClientSampleId :

Tgt Ion: 83 Resp: 339727

Ion Ratio Lower Upper

83 100

85 64.7 46.3 86.1



#27

1,2-Dichloroethane

Concen: 53.248 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. 0.000 min

Lab File: VU055763.D

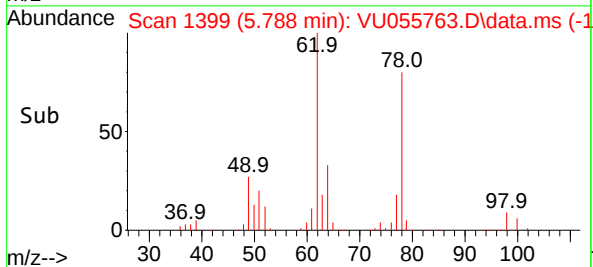
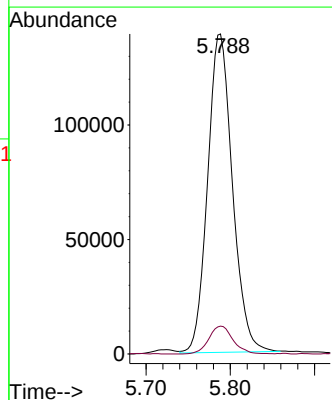
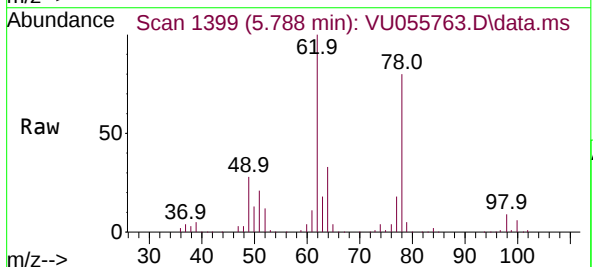
Acq: 12 Oct 2023 13:54

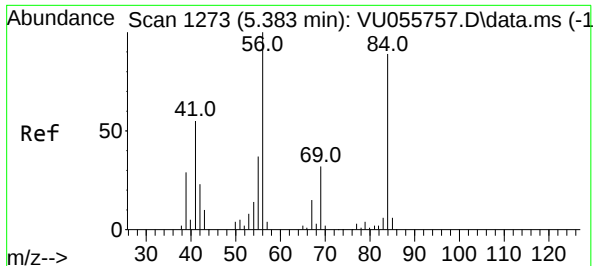
Tgt Ion: 62 Resp: 284711

Ion Ratio Lower Upper

62 100

98 8.7 7.2 10.8





#29

Cyclohexane

Concen: 40.287 ug/L

RT: 5.380 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU055763.D

Acq: 12 Oct 2023 13:54

Instrument :

MSVOA_U

ClientSampleId :

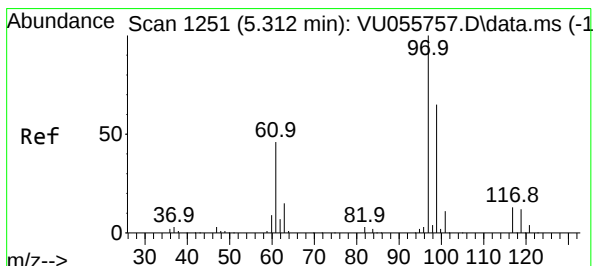
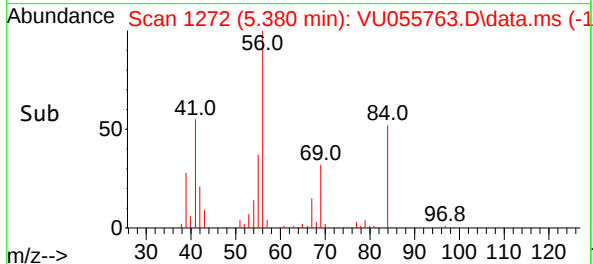
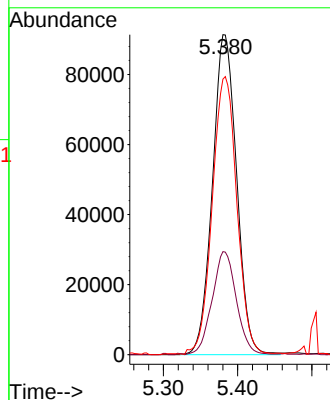
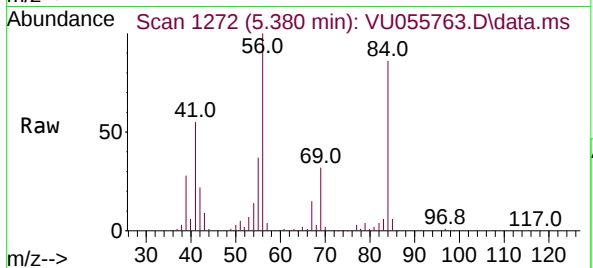
Tgt Ion: 56 Resp: 206562

Ion Ratio Lower Upper

56 100

69 32.3 24.9 37.3

84 88.4 70.7 106.1



#30

1,1,1-Trichloroethane

Concen: 45.904 ug/L

RT: 5.309 min Scan# 1250

Delta R.T. -0.003 min

Lab File: VU055763.D

Acq: 12 Oct 2023 13:54

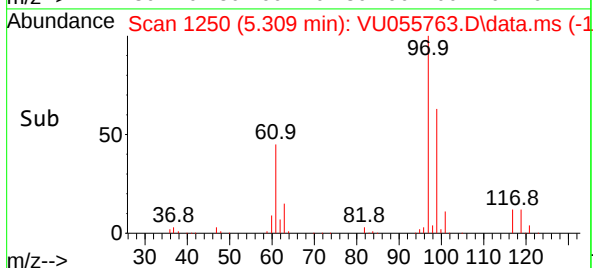
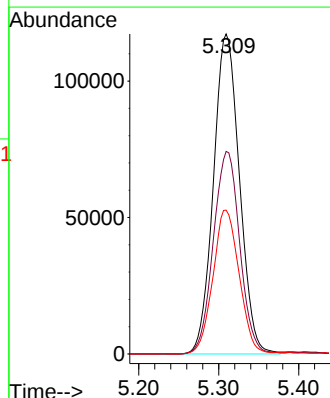
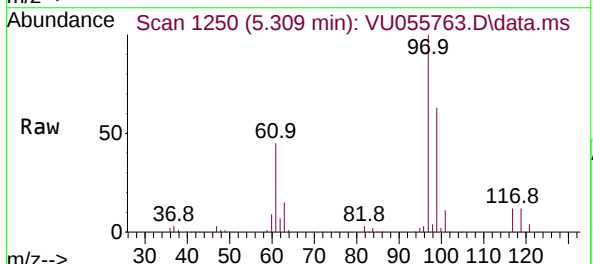
Tgt Ion: 97 Resp: 265291

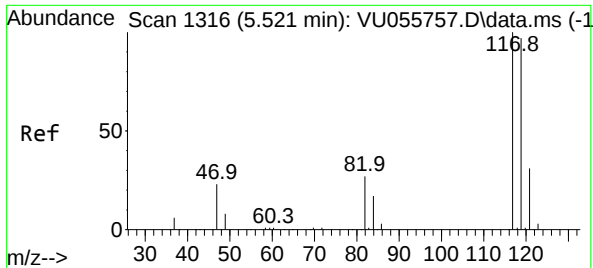
Ion Ratio Lower Upper

97 100

99 64.2 51.6 77.4

61 45.2 36.8 55.2

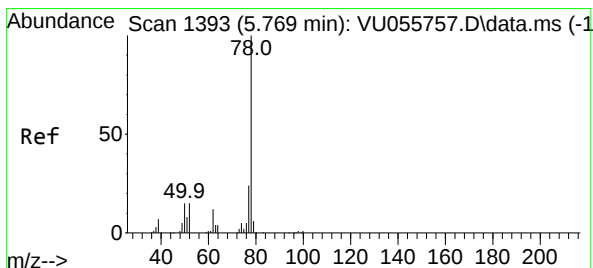
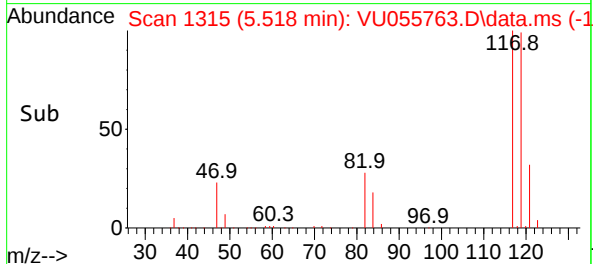
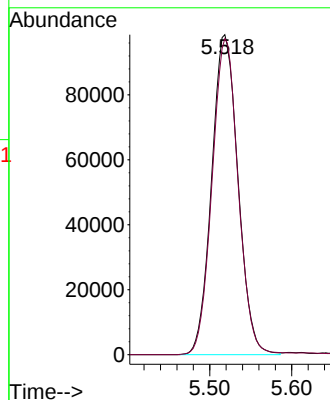
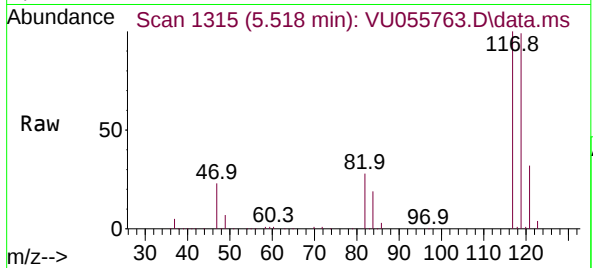




#31
Carbon tetrachloride
Concen: 43.618 ug/L
RT: 5.518 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU055763.D
Acq: 12 Oct 2023 13:54

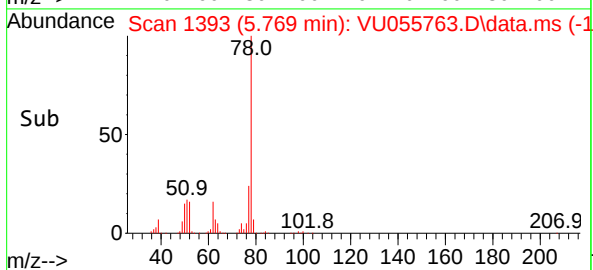
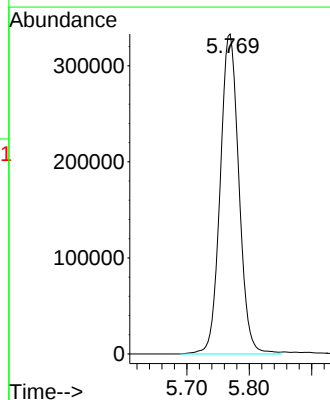
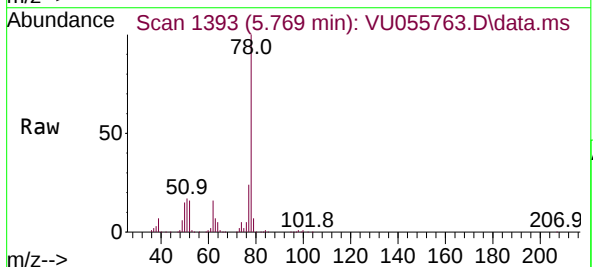
Instrument :
MSVOA_U
ClientSampleId :

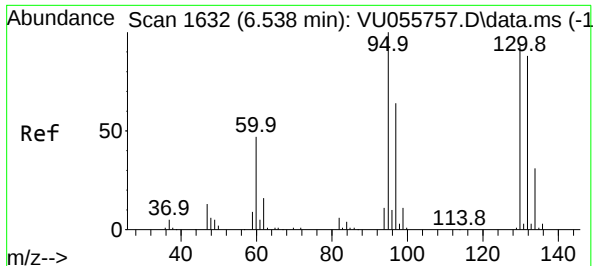
Tgt Ion:117 Resp: 220648
Ion Ratio Lower Upper
117 100
119 97.6 75.4 113.0



#33
Benzene
Concen: 49.079 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.000 min
Lab File: VU055763.D
Acq: 12 Oct 2023 13:54

Tgt Ion: 78 Resp: 693987





#34

Trichloroethene

Concen: 45.810 ug/L

RT: 6.538 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU055763.D

Acq: 12 Oct 2023 13:54

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 177241

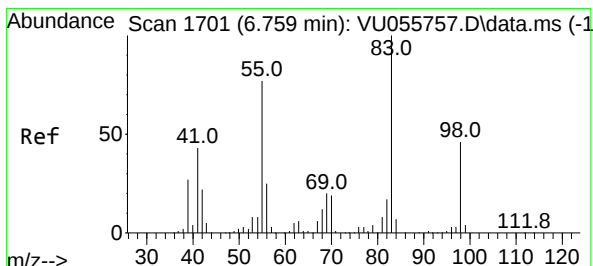
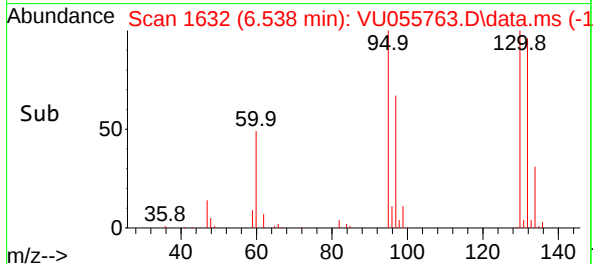
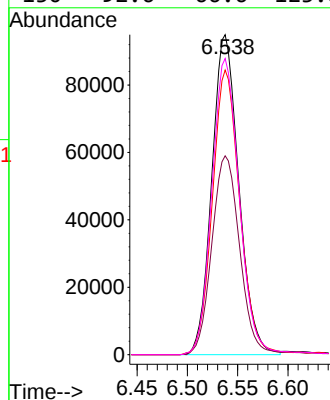
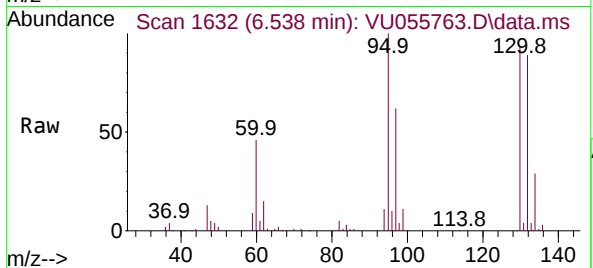
Ion Ratio Lower Upper

95 100

97 62.2 44.4 82.5

132 88.9 61.8 114.8

130 92.6 66.6 123.8



#35

Methylcyclohexane

Concen: 39.957 ug/L

RT: 6.759 min Scan# 1701

Delta R.T. 0.000 min

Lab File: VU055763.D

Acq: 12 Oct 2023 13:54

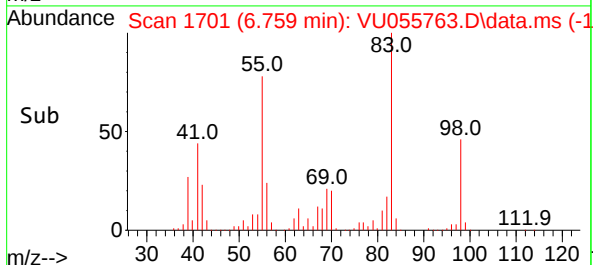
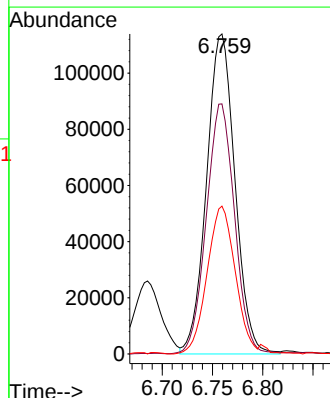
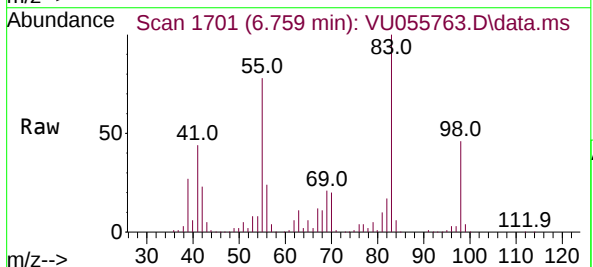
Tgt Ion: 83 Resp: 224304

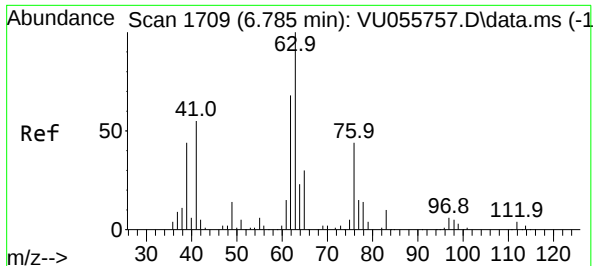
Ion Ratio Lower Upper

83 100

55 77.4 61.2 91.8

98 45.6 35.8 53.6

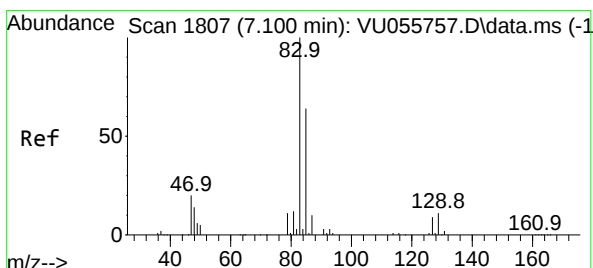
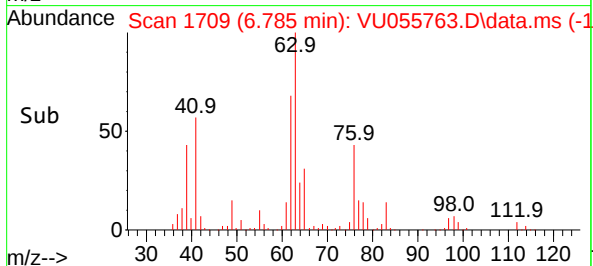
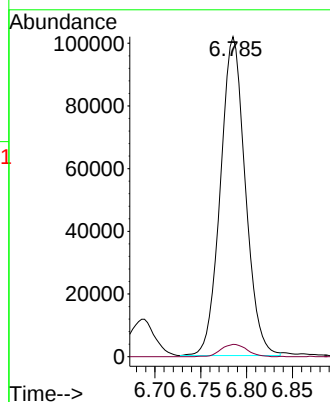
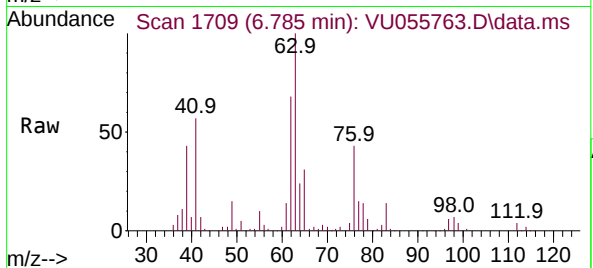




#37
1,2-Dichloropropane
Concen: 49.398 ug/L
RT: 6.785 min Scan# 1709
Delta R.T. 0.000 min
Lab File: VU055763.D
Acq: 12 Oct 2023 13:54

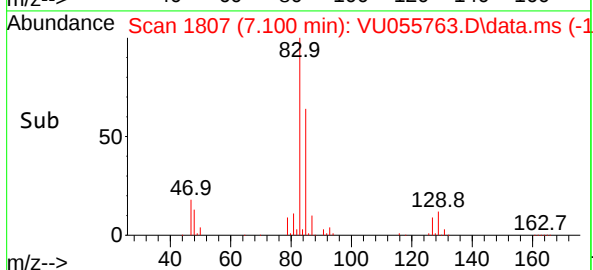
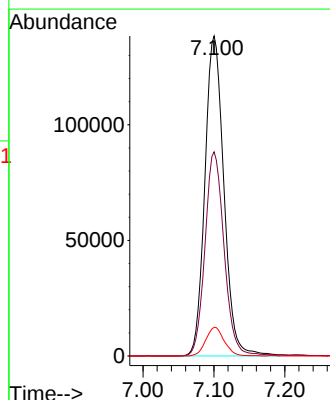
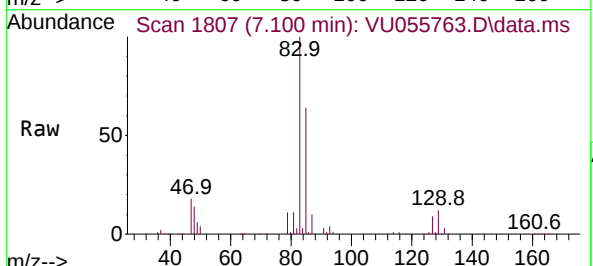
Instrument :
MSVOA_U
ClientSampleId :

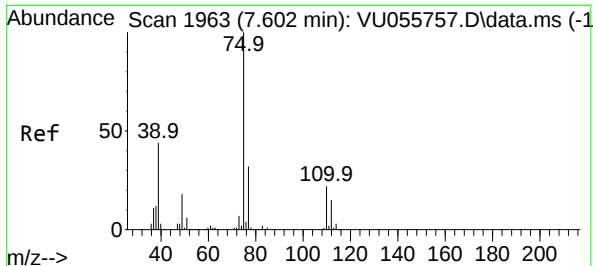
Tgt Ion: 63 Resp: 192343
Ion Ratio Lower Upper
63 100
112 4.1 3.0 4.4



#38
Bromodichloromethane
Concen: 50.295 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VU055763.D
Acq: 12 Oct 2023 13:54

Tgt Ion: 83 Resp: 258257
Ion Ratio Lower Upper
83 100
85 63.8 46.0 85.4
127 9.0 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 50.133 ug/L

RT: 7.602 min Scan# 1963

Delta R.T. 0.000 min

Lab File: VU055763.D

Acq: 12 Oct 2023 13:54

Instrument :

MSVOA_U

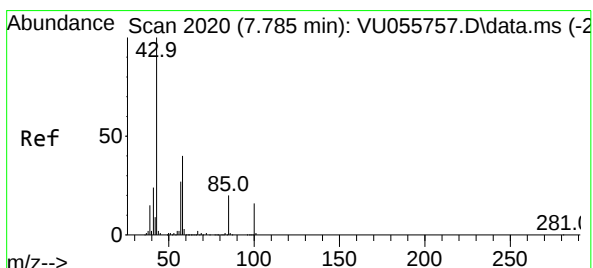
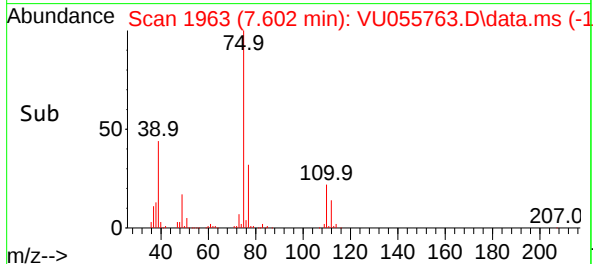
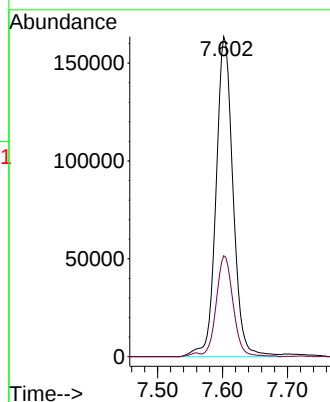
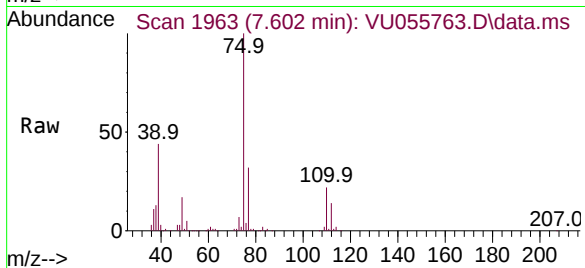
ClientSampleId :

Tgt Ion: 75 Resp: 296976

Ion Ratio Lower Upper

75 100

77 31.5 21.7 40.3



#40

4-Methyl-2-pentanone

Concen: 94.948 ug/L

RT: 7.788 min Scan# 2021

Delta R.T. 0.003 min

Lab File: VU055763.D

Acq: 12 Oct 2023 13:54

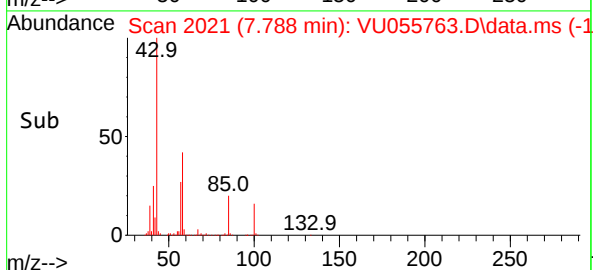
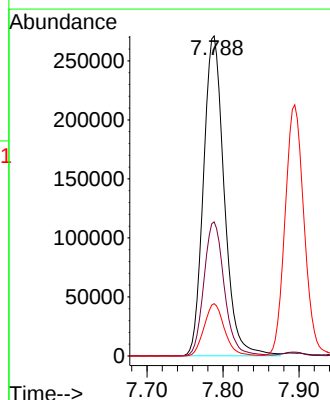
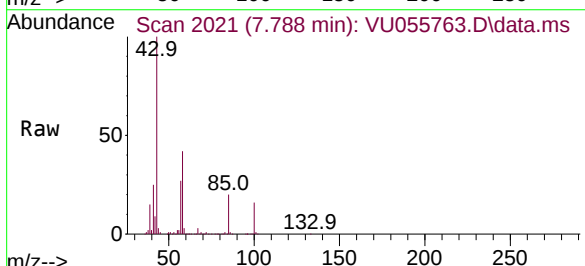
Tgt Ion: 43 Resp: 514323

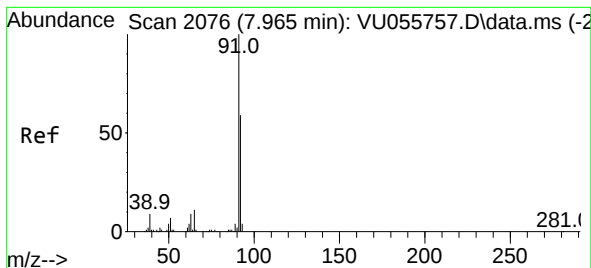
Ion Ratio Lower Upper

43 100

58 41.4 32.3 48.5

100 16.0 12.0 18.0





#42

Toluene

Concen: 49.141 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU055763.D

Acq: 12 Oct 2023 13:54

Instrument :

MSVOA_U

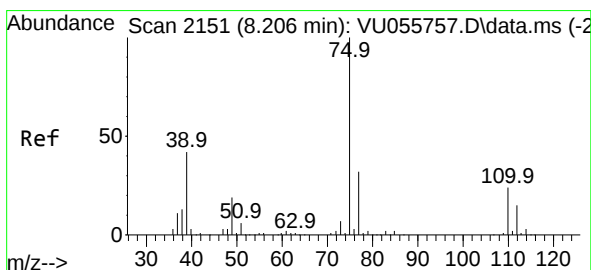
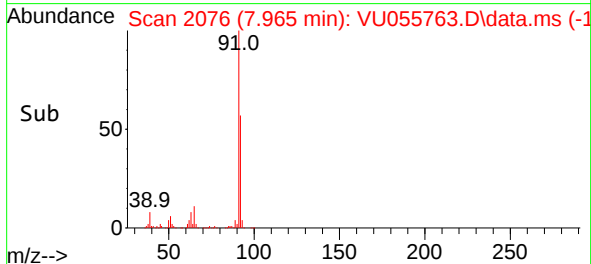
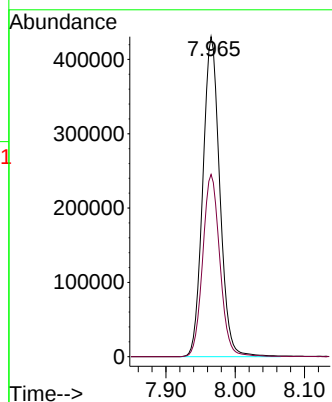
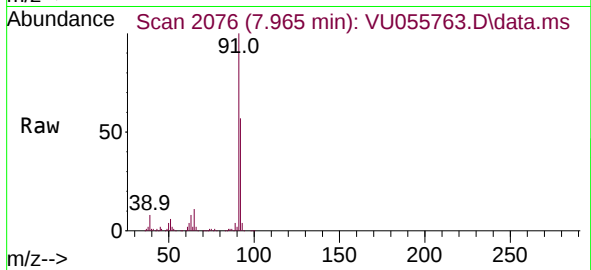
ClientSampleId :

Tgt Ion: 91 Resp: 733207

Ion Ratio Lower Upper

91 100

92 56.9 40.0 74.4



#44

trans-1,3-Dichloropropene

Concen: 50.091 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU055763.D

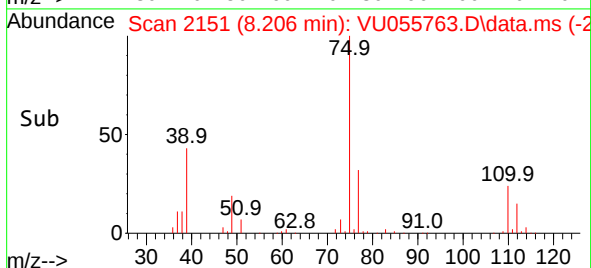
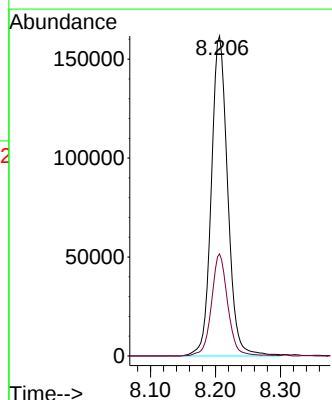
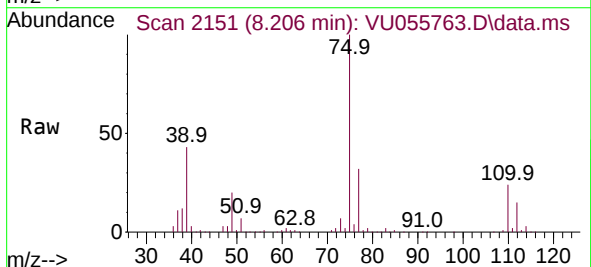
Acq: 12 Oct 2023 13:54

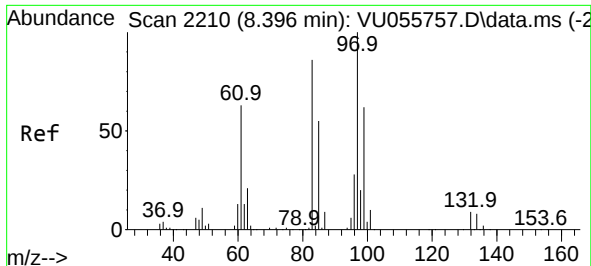
Tgt Ion: 75 Resp: 283909

Ion Ratio Lower Upper

75 100

77 31.9 21.6 40.2



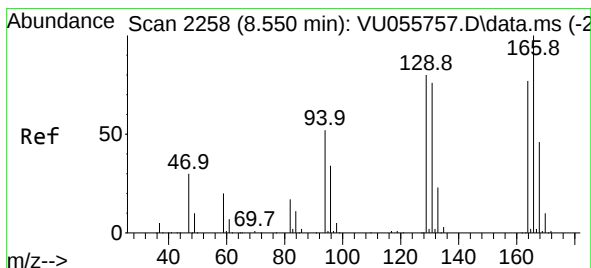
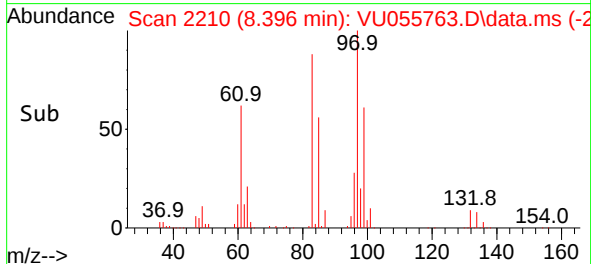
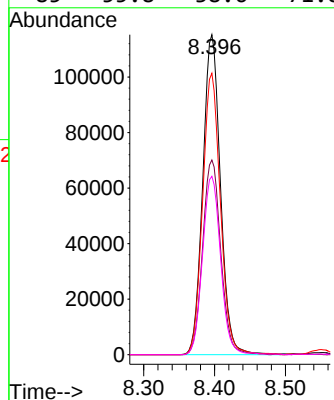
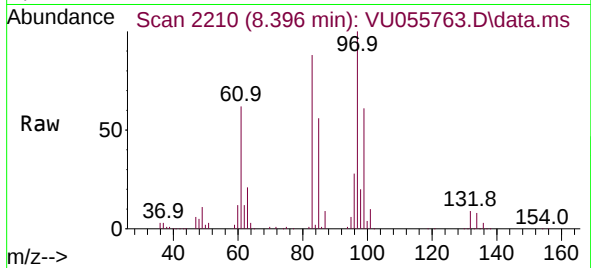


#45
1,1,2-Trichloroethane
Concen: 52.018 ug/L
RT: 8.396 min Scan# 2210
Delta R.T. 0.000 min
Lab File: VU055763.D
Acq: 12 Oct 2023 13:54

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 199717

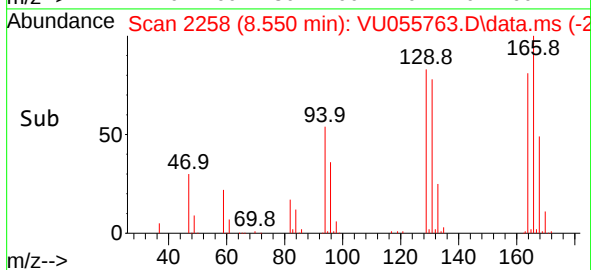
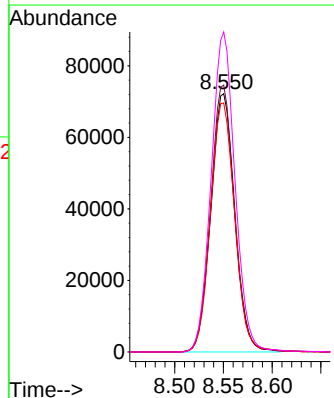
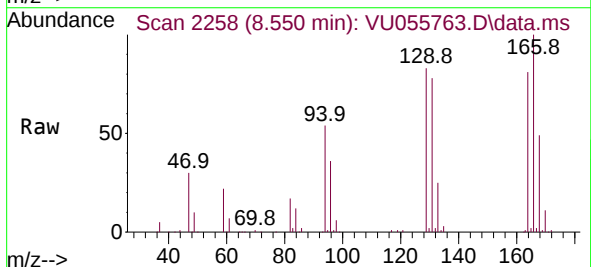
Ion	Ratio	Lower	Upper
97	100		
99	60.9	44.4	82.5
83	87.9	60.4	112.2
85	55.8	38.6	71.8

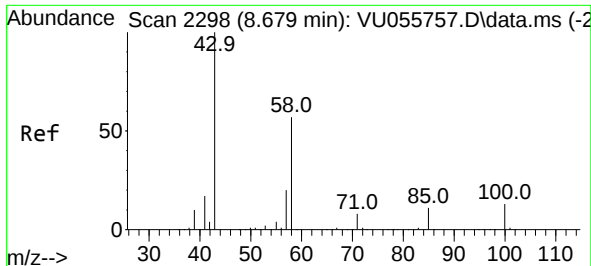


#46
Tetrachloroethene
Concen: 44.704 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VU055763.D
Acq: 12 Oct 2023 13:54

Tgt Ion: 164 Resp: 123836

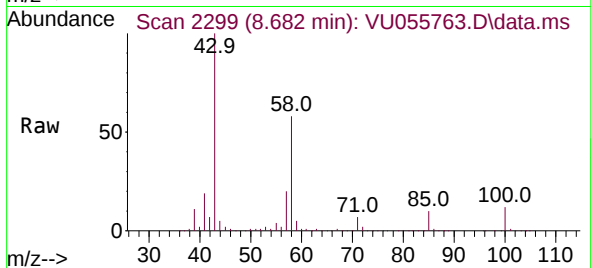
Ion	Ratio	Lower	Upper
164	100		
129	103.4	70.7	131.3
131	96.5	65.9	122.5
166	123.9	87.8	163.0





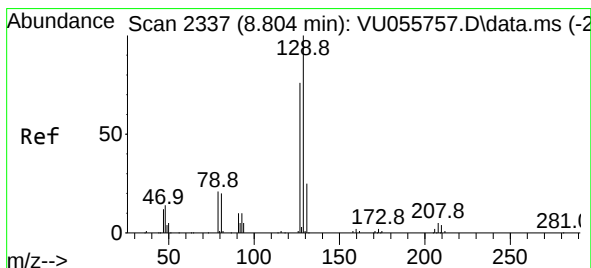
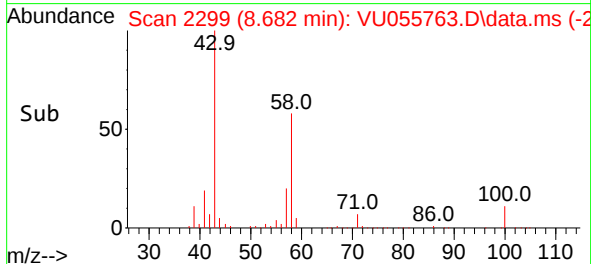
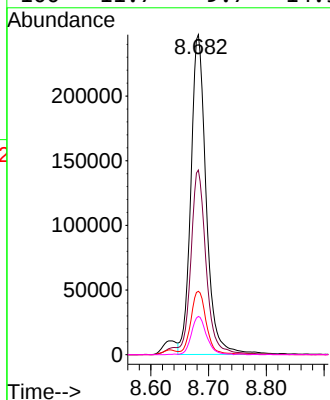
#48
2-Hexanone
Concen: 99.753 ug/L
RT: 8.682 min Scan# 2299
Delta R.T. 0.003 min
Lab File: VU055763.D
Acq: 12 Oct 2023 13:54

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 43 Resp: 456418

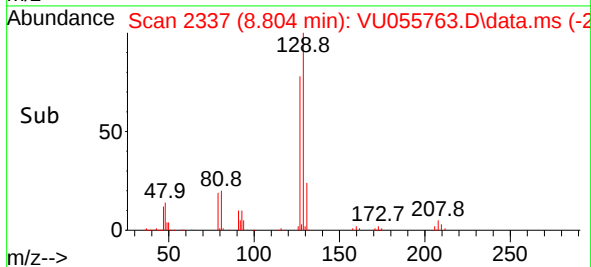
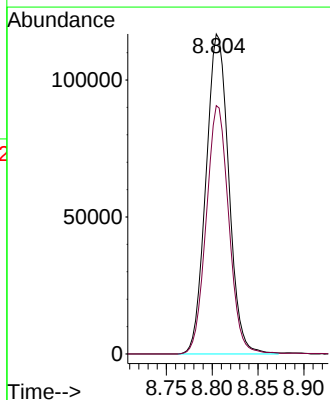
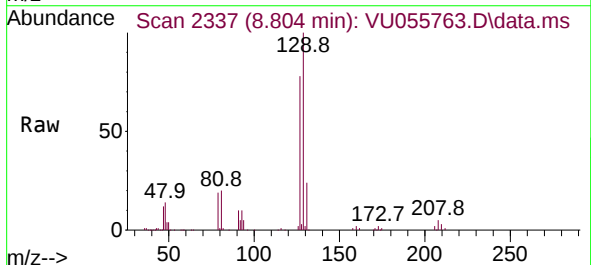
Ion	Ratio	Lower	Upper
43	100		
58	56.2	45.2	67.8
57	19.8	16.1	24.1
100	11.7	9.7	14.5

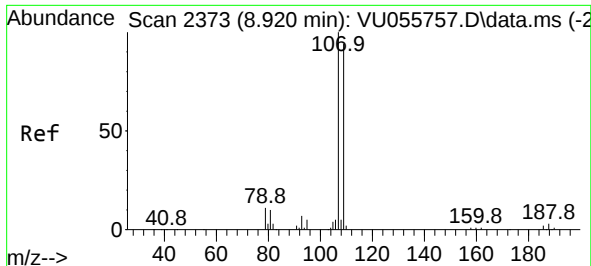


#49
Dibromochloromethane
Concen: 51.591 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VU055763.D
Acq: 12 Oct 2023 13:54

Tgt Ion: 129 Resp: 202394

Ion	Ratio	Lower	Upper
129	100		
127	77.6	54.0	100.4

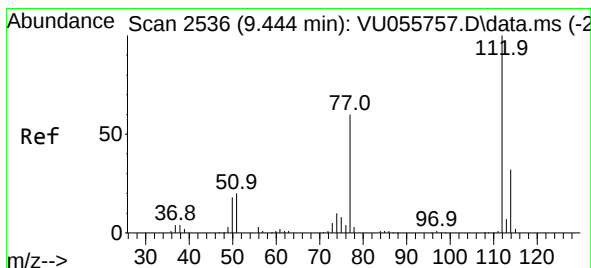
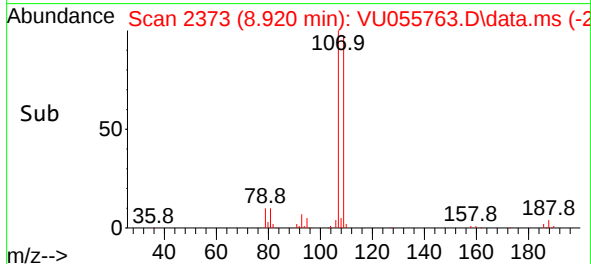
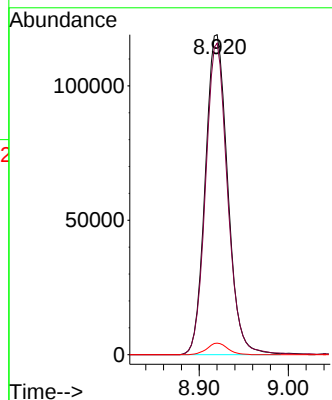
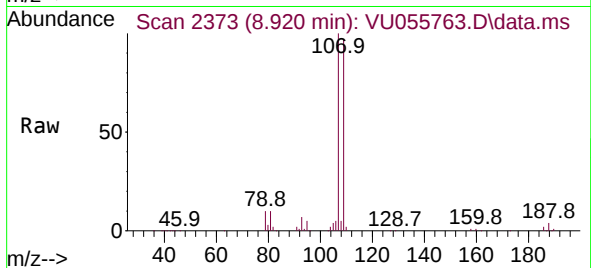




#50
1,2-Dibromoethane
Concen: 50.482 ug/L
RT: 8.920 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU055763.D
Acq: 12 Oct 2023 13:54

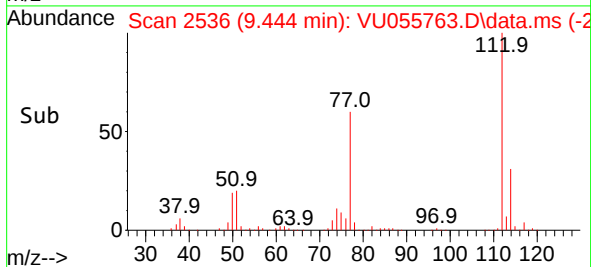
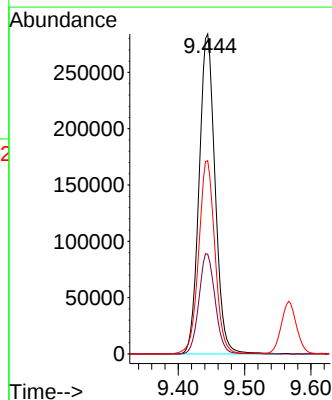
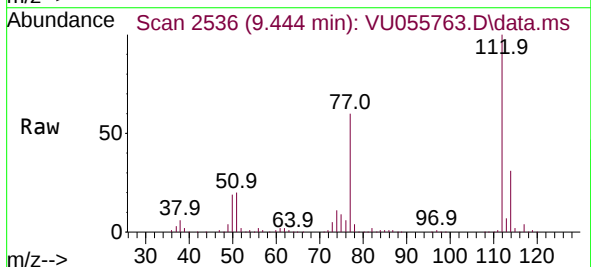
Instrument :
MSVOA_U
ClientSampleId :

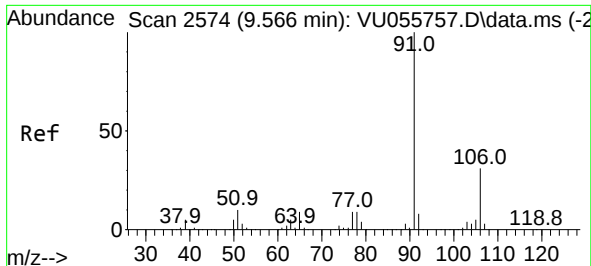
Tgt Ion:107 Resp: 208182
Ion Ratio Lower Upper
107 100
109 97.3 66.7 123.9
188 3.6 2.6 4.0



#51
Chlorobenzene
Concen: 49.375 ug/L
RT: 9.444 min Scan# 2536
Delta R.T. 0.000 min
Lab File: VU055763.D
Acq: 12 Oct 2023 13:54

Tgt Ion:112 Resp: 476655
Ion Ratio Lower Upper
112 100
114 31.2 22.0 40.8
77 60.4 49.0 73.6

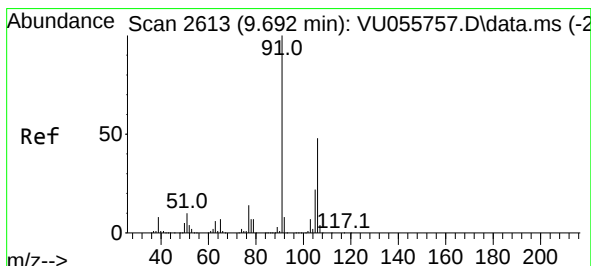
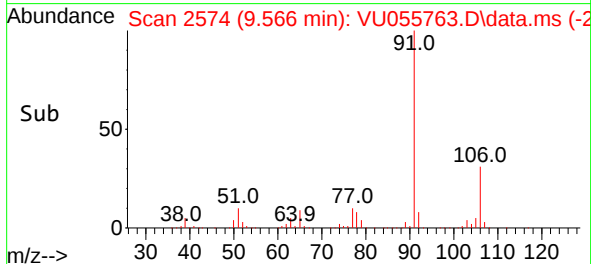
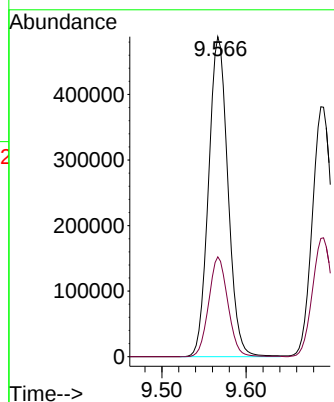
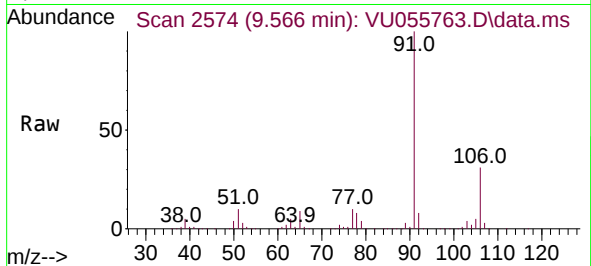




#52
Ethylbenzene
Concen: 47.794 ug/L
RT: 9.566 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU055763.D
Acq: 12 Oct 2023 13:54

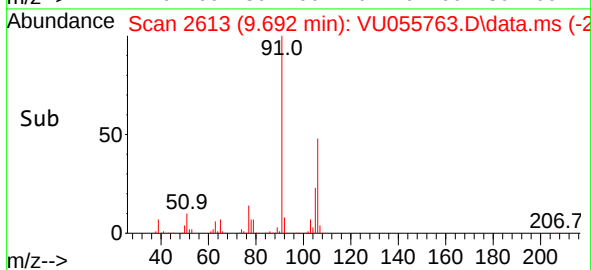
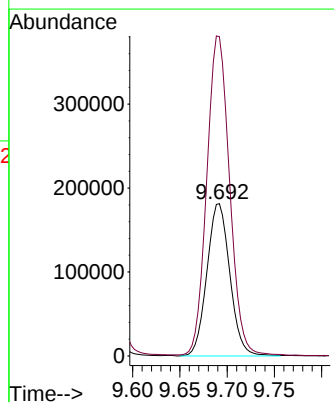
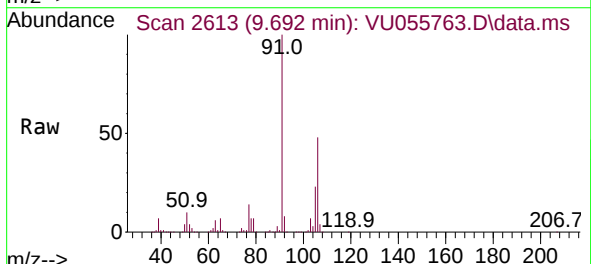
Instrument :
MSVOA_U
ClientSampleId :

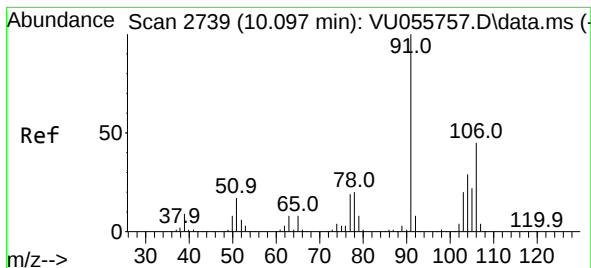
Tgt Ion: 91 Resp: 779632
Ion Ratio Lower Upper
91 100
106 31.2 21.2 39.4



#53
m,p-Xylene
Concen: 50.114 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.000 min
Lab File: VU055763.D
Acq: 12 Oct 2023 13:54

Tgt Ion:106 Resp: 306264
Ion Ratio Lower Upper
106 100
91 209.8 143.8 267.0

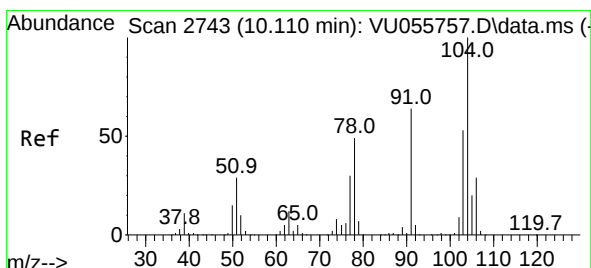
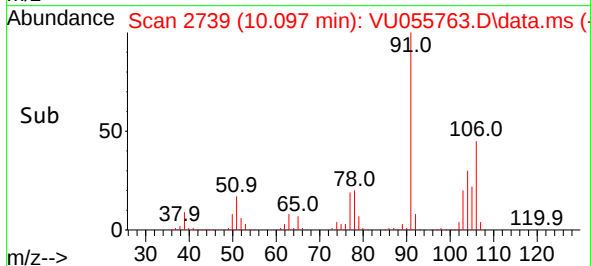
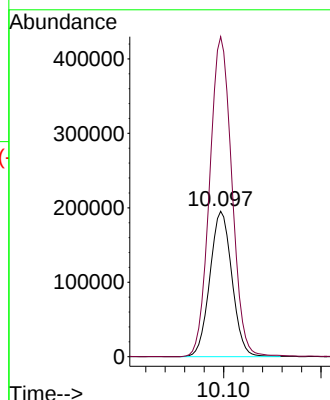
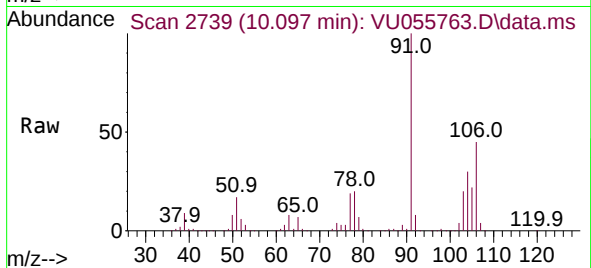




#54
o-Xylene
Concen: 52.006 ug/L
RT: 10.097 min Scan# 2739
Delta R.T. 0.000 min
Lab File: VU055763.D
Acq: 12 Oct 2023 13:54

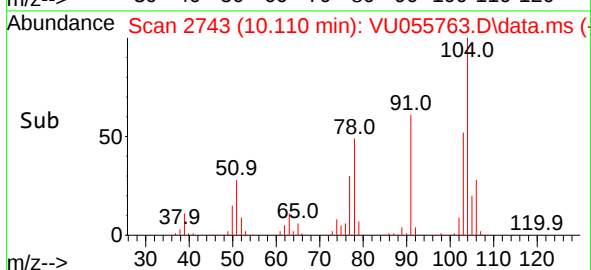
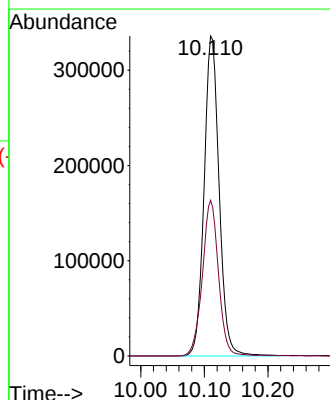
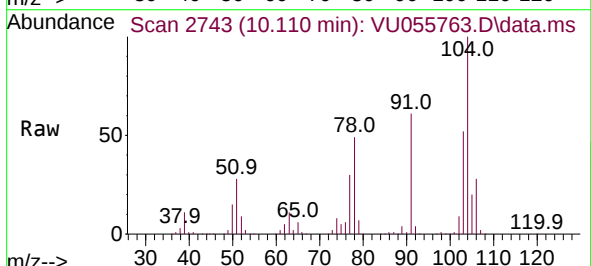
Instrument :
MSVOA_U
ClientSampleId :

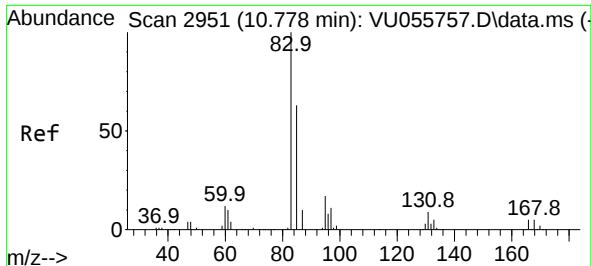
Tgt Ion:106 Resp: 307553
Ion Ratio Lower Upper
106 100
91 219.9 151.8 282.0



#55
Styrene
Concen: 55.093 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. 0.000 min
Lab File: VU055763.D
Acq: 12 Oct 2023 13:54

Tgt Ion:104 Resp: 551932
Ion Ratio Lower Upper
104 100
78 48.6 33.6 62.4

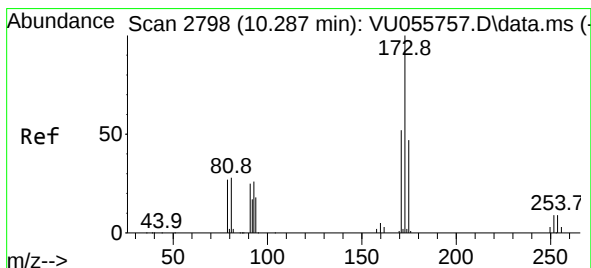
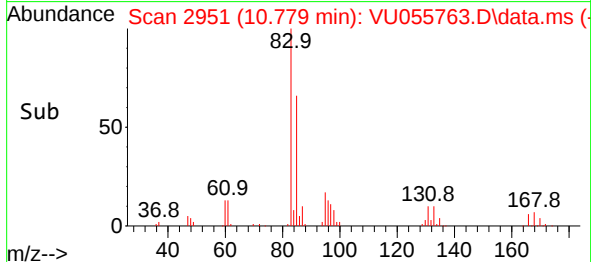
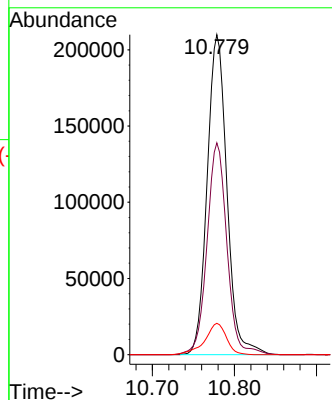
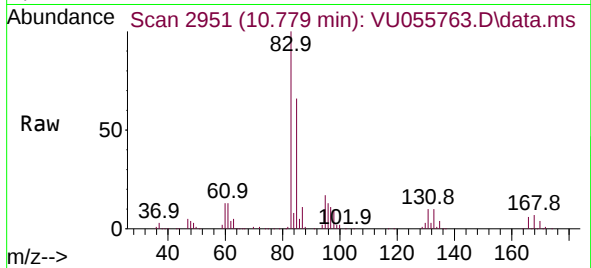




#57
1,1,2,2-Tetrachloroethane
Concen: 53.412 ug/L
RT: 10.779 min Scan# 2951
Delta R.T. 0.000 min
Lab File: VU055763.D
Acq: 12 Oct 2023 13:54

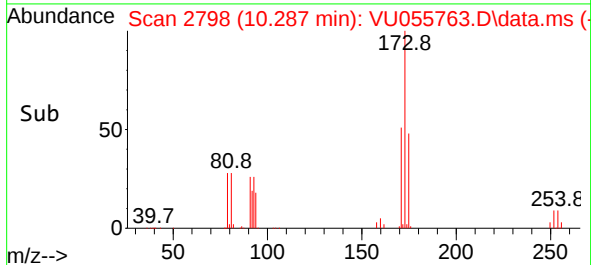
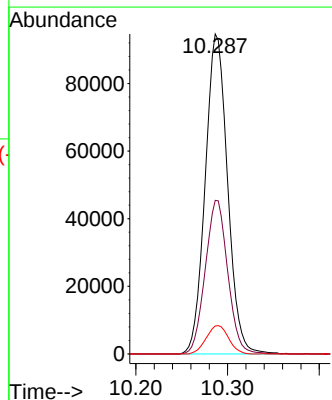
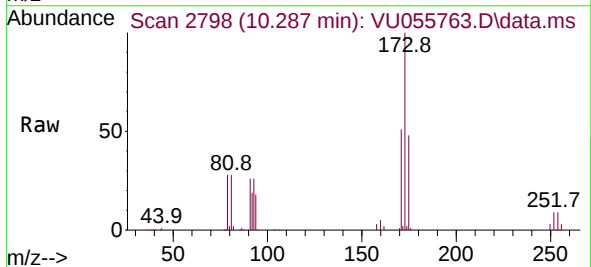
Instrument :
MSVOA_U
ClientSampleId :

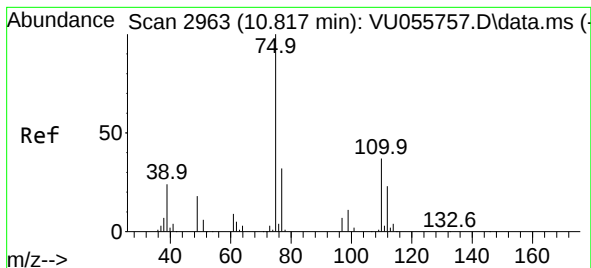
Tgt Ion: 83 Resp: 351142
Ion Ratio Lower Upper
83 100
85 66.2 44.9 83.5
131 9.8 7.3 10.9



#59
Bromoform
Concen: 49.652 ug/L
RT: 10.287 min Scan# 2798
Delta R.T. 0.000 min
Lab File: VU055763.D
Acq: 12 Oct 2023 13:54

Tgt Ion:173 Resp: 160326
Ion Ratio Lower Upper
173 100
175 48.3 40.4 60.6
254 8.9 7.3 10.9





#60

1,2,3-Trichloropropane

Concen: 49.844 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. 0.000 min

Lab File: VU055763.D

Acq: 12 Oct 2023 13:54

Instrument :

MSVOA_U

ClientSampleId :

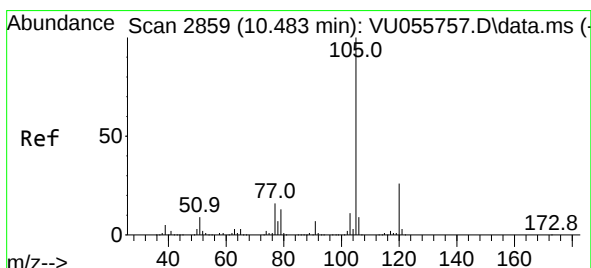
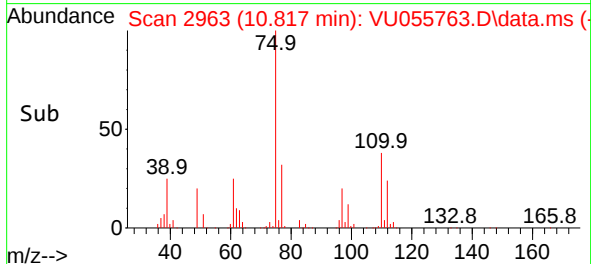
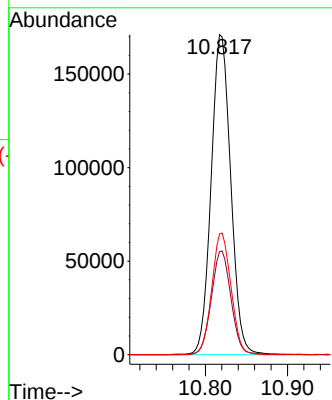
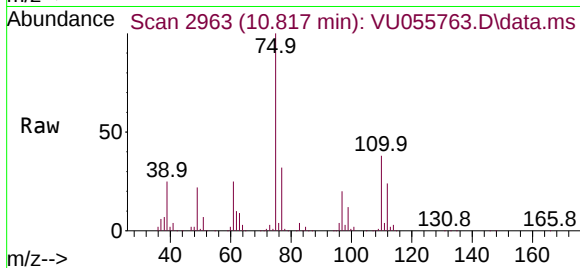
Tgt Ion: 75 Resp: 283746

Ion Ratio Lower Upper

75 100

77 32.5 25.8 38.8

110 37.3 28.5 42.7



#61

Isopropylbenzene

Concen: 47.148 ug/L

RT: 10.480 min Scan# 2858

Delta R.T. -0.003 min

Lab File: VU055763.D

Acq: 12 Oct 2023 13:54

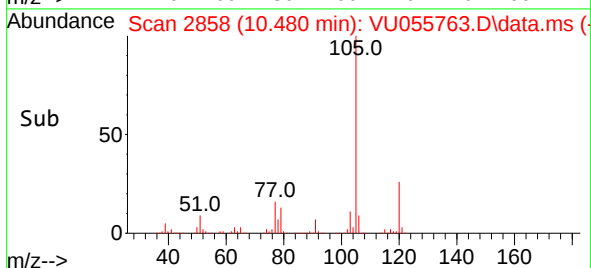
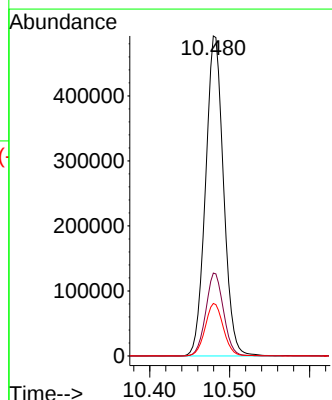
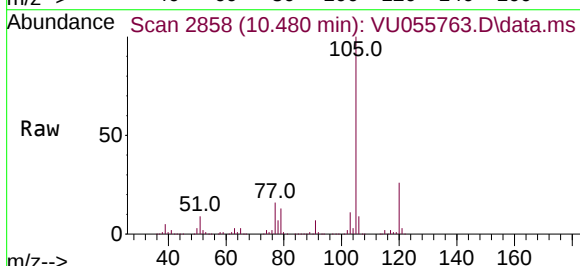
Tgt Ion: 105 Resp: 770970

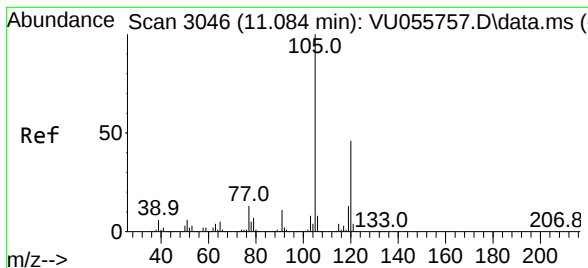
Ion Ratio Lower Upper

105 100

120 25.6 20.6 30.8

77 16.6 13.4 20.0

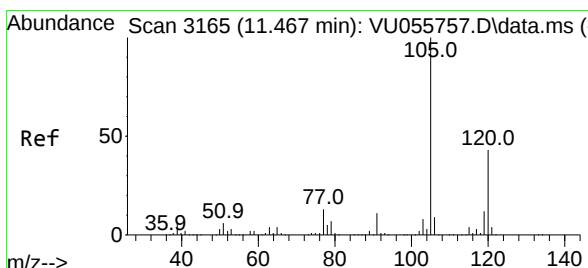
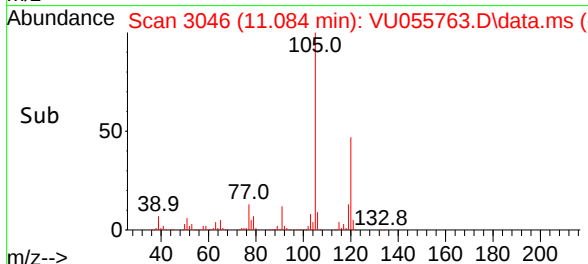
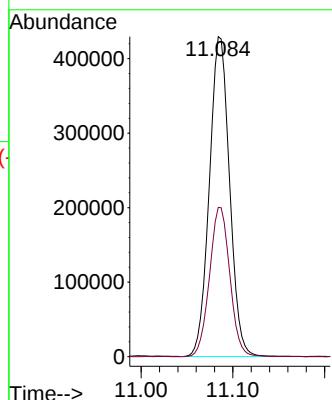
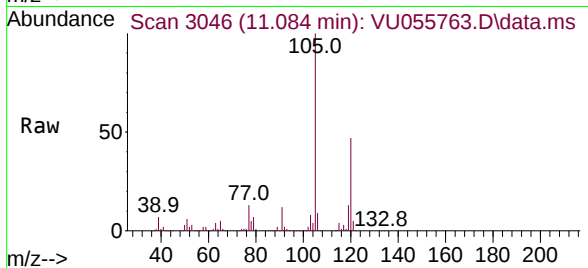




#62
 1,3,5-Trimethylbenzene
 Concen: 49.595 ug/L
 RT: 11.084 min Scan# 3046
 Delta R.T. 0.000 min
 Lab File: VU055763.D
 Acq: 12 Oct 2023 13:54

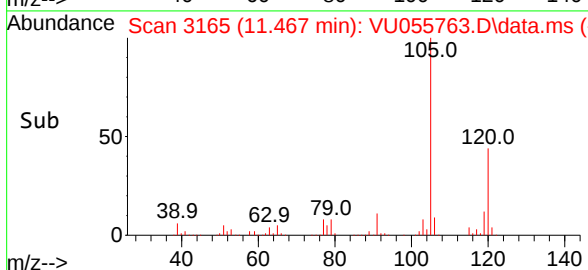
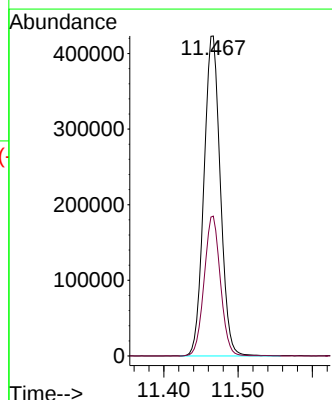
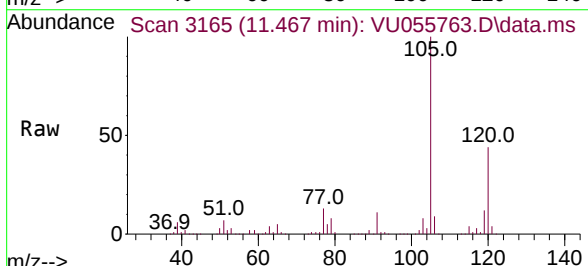
Instrument :
 MSVOA_U
 ClientSampleId :

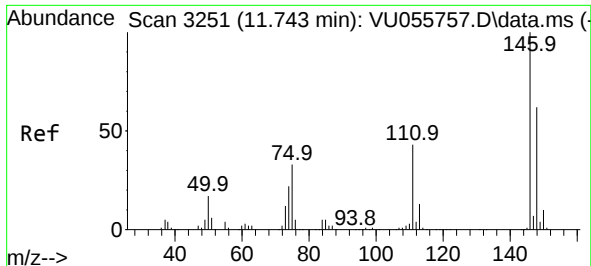
Tgt Ion:105 Resp: 656216
 Ion Ratio Lower Upper
 105 100
 120 47.0 37.7 56.5



#63
 1,2,4-Trimethylbenzene
 Concen: 49.598 ug/L
 RT: 11.467 min Scan# 3165
 Delta R.T. 0.000 min
 Lab File: VU055763.D
 Acq: 12 Oct 2023 13:54

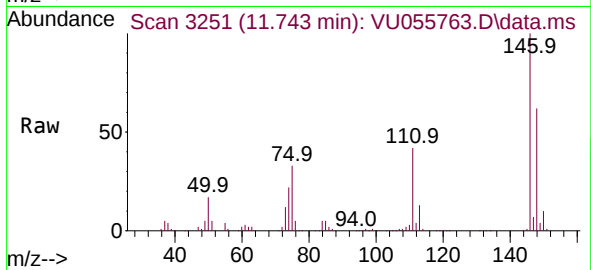
Tgt Ion:105 Resp: 648920
 Ion Ratio Lower Upper
 105 100
 120 43.3 35.0 52.4



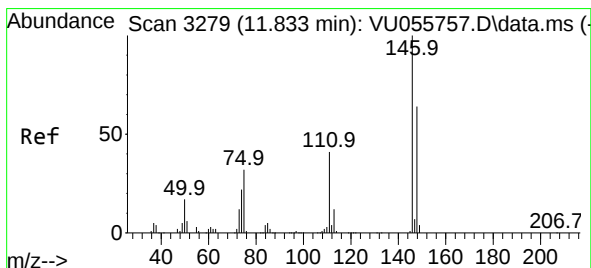
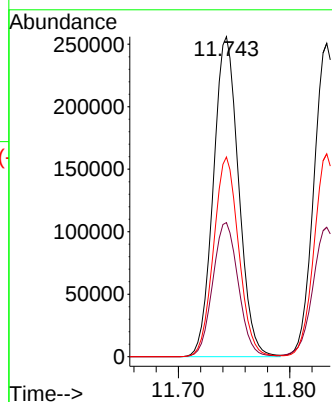
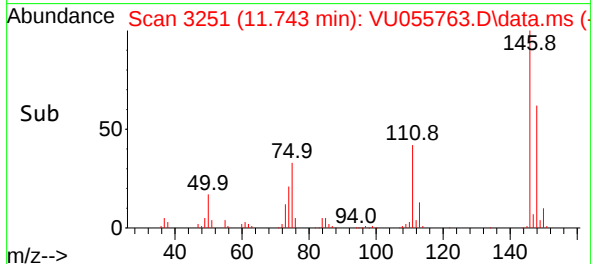


#64
1,3-Dichlorobenzene
Concen: 49.919 ug/L
RT: 11.743 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU055763.D
Acq: 12 Oct 2023 13:54

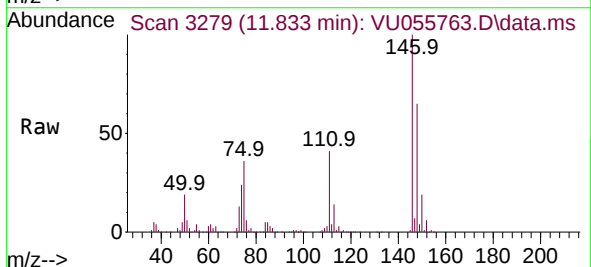
Instrument :
MSVOA_U
ClientSampleId :



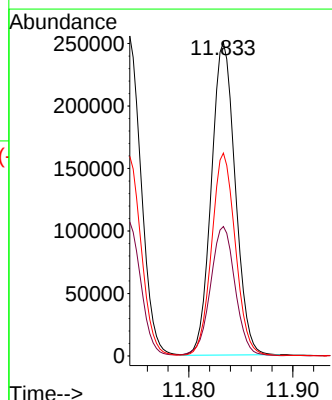
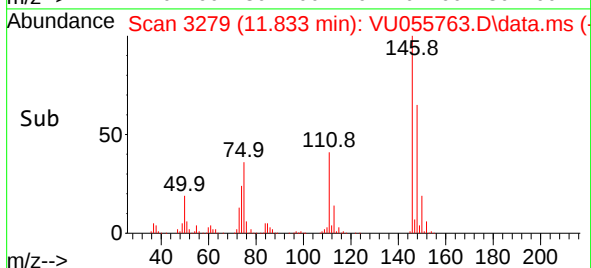
Tgt Ion:146 Resp: 403520
Ion Ratio Lower Upper
146 100
111 41.9 29.7 55.1
148 62.4 45.0 83.6

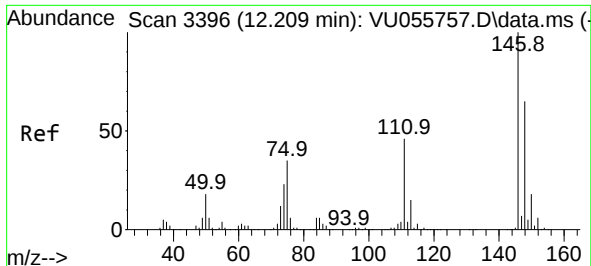


#65
1,4-Dichlorobenzene
Concen: 48.089 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.000 min
Lab File: VU055763.D
Acq: 12 Oct 2023 13:54



Tgt Ion:146 Resp: 399668
Ion Ratio Lower Upper
146 100
111 41.3 28.6 53.0
148 64.7 44.2 82.0





#67

1,2-Dichlorobenzene

Concen: 51.213 ug/L

RT: 12.209 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU055763.D

Acq: 12 Oct 2023 13:54

Instrument :

MSVOA_U

ClientSampleId :

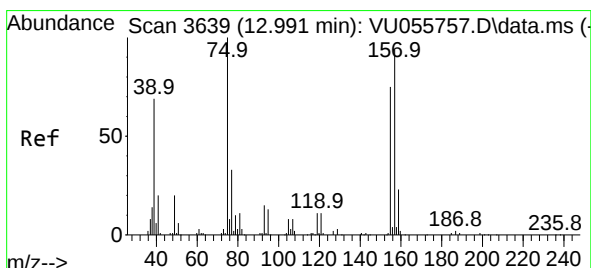
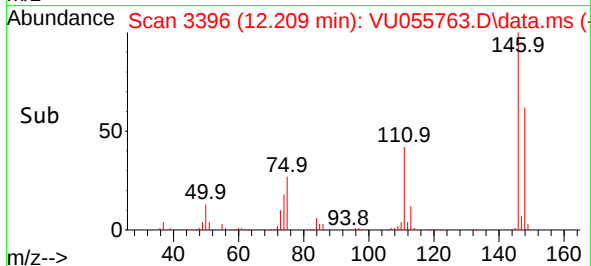
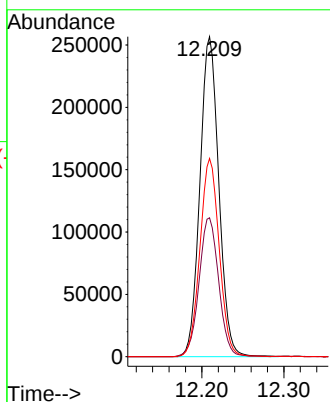
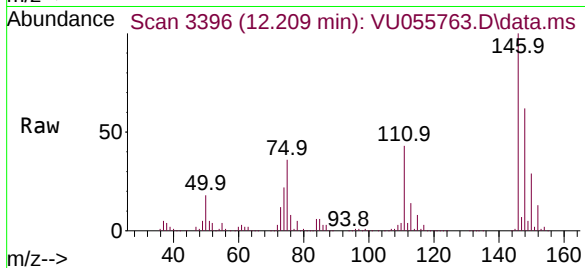
Tgt Ion:146 Resp: 410822

Ion Ratio Lower Upper

146 100

111 43.4 35.2 52.8

148 62.0 52.3 78.5



#68

1,2-Dibromo-3-chloropropane

Concen: 41.432 ug/L

RT: 12.994 min Scan# 3640

Delta R.T. 0.003 min

Lab File: VU055763.D

Acq: 12 Oct 2023 13:54

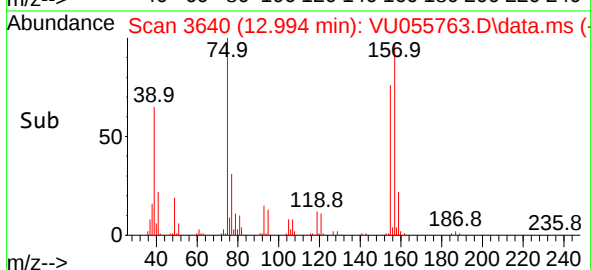
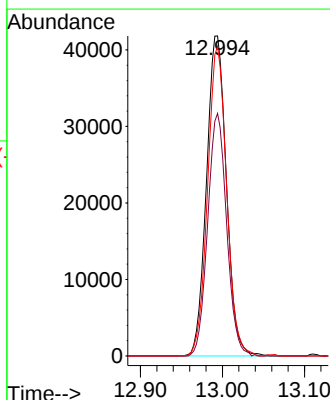
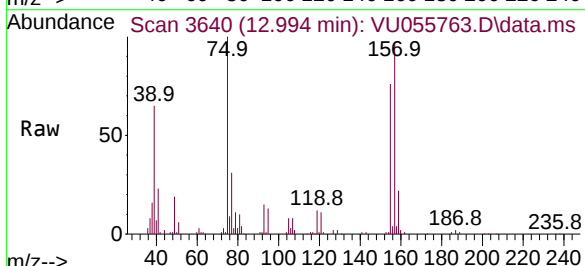
Tgt Ion: 75 Resp: 70513

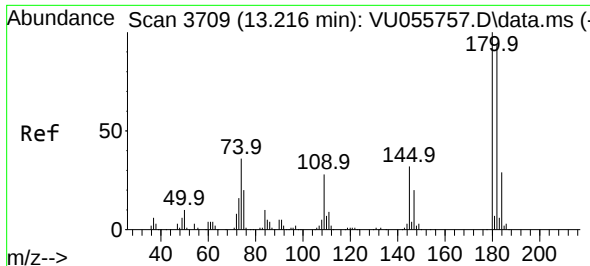
Ion Ratio Lower Upper

75 100

155 75.8 59.6 89.4

157 101.2 77.7 116.5

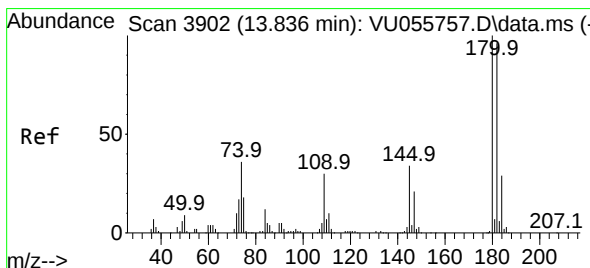
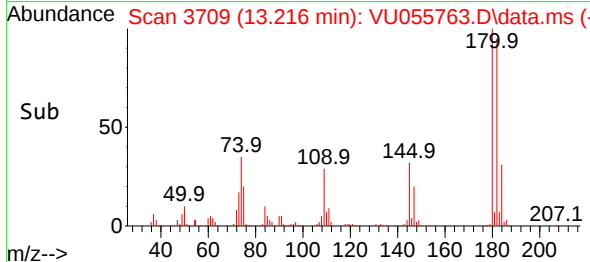
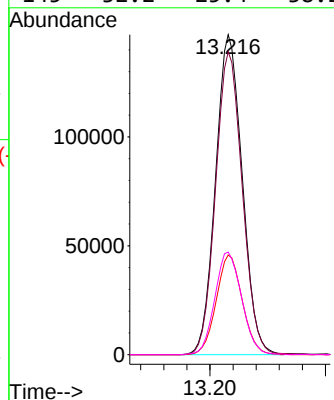
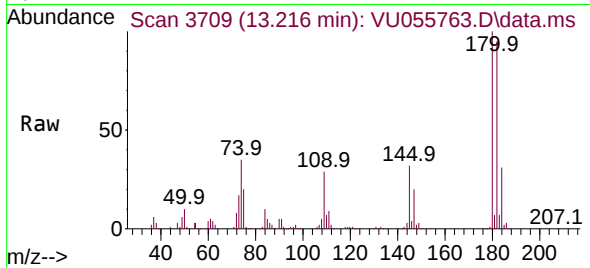




#69
 1,3,5-Trichlorobenzene
 Concen: 43.691 ug/L
 RT: 13.216 min Scan# 3709
 Delta R.T. 0.000 min
 Lab File: VU055763.D
 Acq: 12 Oct 2023 13:54

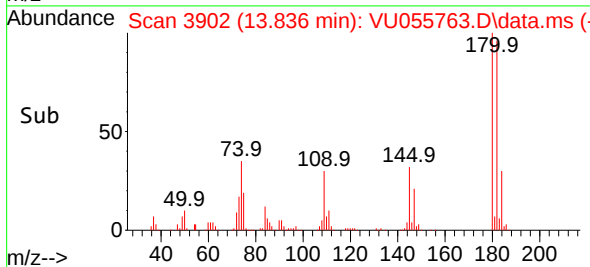
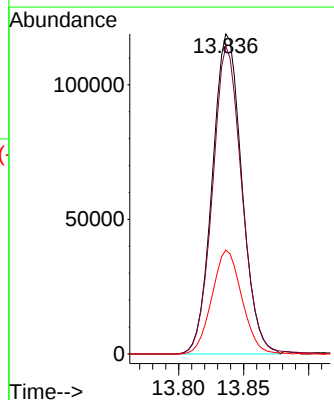
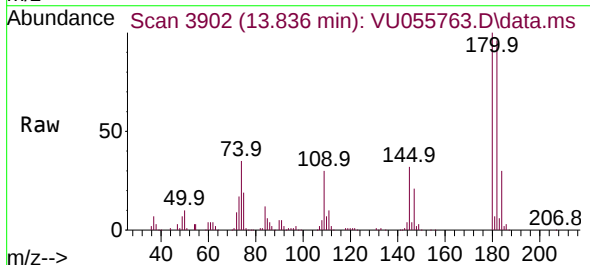
Instrument :
 MSVOA_U
 ClientSampleId :

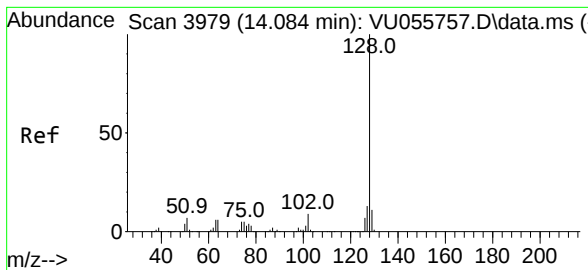
Tgt Ion:180 Resp: 235580
 Ion Ratio Lower Upper
 180 100
 182 94.8 76.2 114.2
 184 30.5 23.9 35.9
 145 32.2 25.4 38.2



#70
 1,2,4-trichlorobenzene
 Concen: 41.704 ug/L
 RT: 13.836 min Scan# 3902
 Delta R.T. 0.000 min
 Lab File: VU055763.D
 Acq: 12 Oct 2023 13:54

Tgt Ion:180 Resp: 187299
 Ion Ratio Lower Upper
 180 100
 182 95.8 75.4 113.2
 145 33.0 26.1 39.1

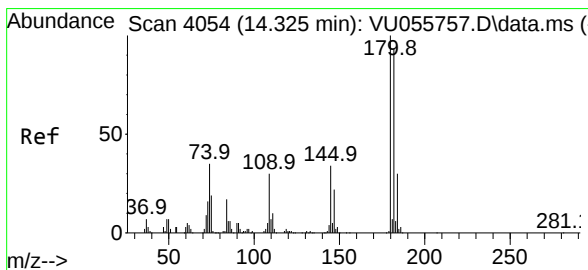
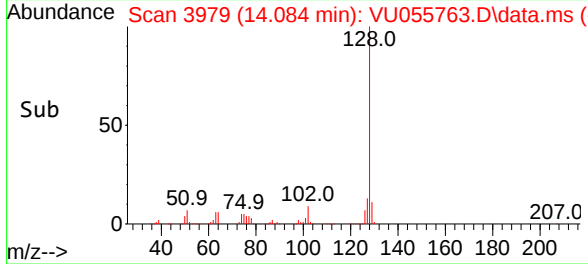
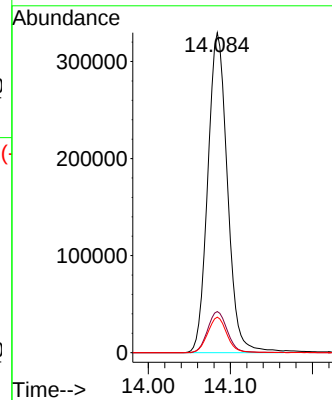
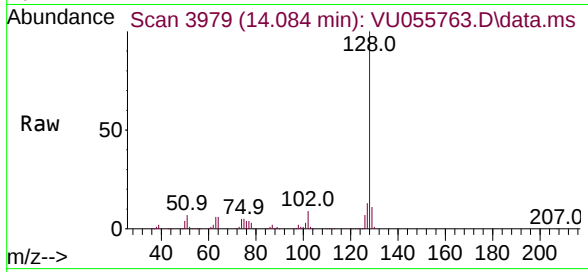




#71
Naphthalene
Concen: 41.126 ug/L
RT: 14.084 min Scan# 3979
Delta R.T. 0.000 min
Lab File: VU055763.D
Acq: 12 Oct 2023 13:54

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 548677
Ion Ratio Lower Upper
128 100
127 12.9 10.6 16.0
129 10.9 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 43.457 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. 0.000 min
Lab File: VU055763.D
Acq: 12 Oct 2023 13:54

Tgt Ion:180 Resp: 192429
Ion Ratio Lower Upper
180 100
182 94.6 78.1 117.1
145 34.9 27.4 41.0

