

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101623\
 Data File : VU055783.D
 Acq On : 16 Oct 2023 19:38
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 17 05:10:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 17 05:06:35 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	459187	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	477328	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	275357	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	166433	40.409	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	80.820%		
7) Chloroethane-d5	1.888	69	146225	43.432	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	86.860%		
11) 1,1-Dichloroethene-d2	2.560	63	324209	44.147	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	88.300%		
21) 2-Butanone-d5	4.615	46	235313	77.104	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	77.100%		
24) Chloroform-d	5.055	84	365798	46.327	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.660%		
26) 1,2-Dichloroethane-d4	5.695	65	233826	48.111	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.220%		
32) Benzene-d6	5.721	84	697659	45.681	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.360%		
36) 1,2-Dichloropropane-d6	6.682	67	215181	44.506	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	89.020%		
41) Toluene-d8	7.894	98	640527	46.447	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	92.900%		
43) trans-1,3-Dichloroprop...	8.174	79	103517	44.571	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	89.140%		
47) 2-Hexanone-d5	8.631	63	138805	73.027	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	73.030%		
56) 1,1,2,2-Tetrachloroeth...	10.753	84	368203	49.476	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	98.960%		
66) 1,2-Dichlorobenzene-d4	12.190	152	273445	50.042	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	100.080%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	207102	54.167	ug/L	100
3) Chloromethane	1.518	50	189574	52.400	ug/L	100
5) Vinyl chloride	1.602	62	201798	50.686	ug/L	97
6) Bromomethane	1.830	94	85188	33.470	ug/L	97
8) Chloroethane	1.914	64	132179	50.613	ug/L	96
9) Trichlorofluoromethane	2.126	101	308586	54.248	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	178681	48.843	ug/L	100
12) 1,1-Dichloroethene	2.573	96	160447	49.287	ug/L	91
13) Acetone	2.618	43	216699	76.514	ug/L	99
14) Carbon disulfide	2.785	76	438801	44.293	ug/L	98
15) Methyl Acetate	2.940	43	184804	42.608	ug/L	96
16) Methylene chloride	3.036	84	192620	48.792	ug/L	94
17) trans-1,2-Dichloroethene	3.345	96	159453	47.901	ug/L	97
18) Methyl tert-butyl Ether	3.354	73	550755	51.447	ug/L	99
19) 1,1-Dichloroethane	3.862	63	328401	48.107	ug/L	99
20) cis-1,2-Dichloroethene	4.660	96	196348	51.682	ug/L	98
22) 2-Butanone	4.695	43	293434	85.960	ug/L	98
23) Bromochloromethane	4.965	128	106131	53.940	ug/L	92
25) Chloroform	5.081	83	369396	51.800	ug/L	99

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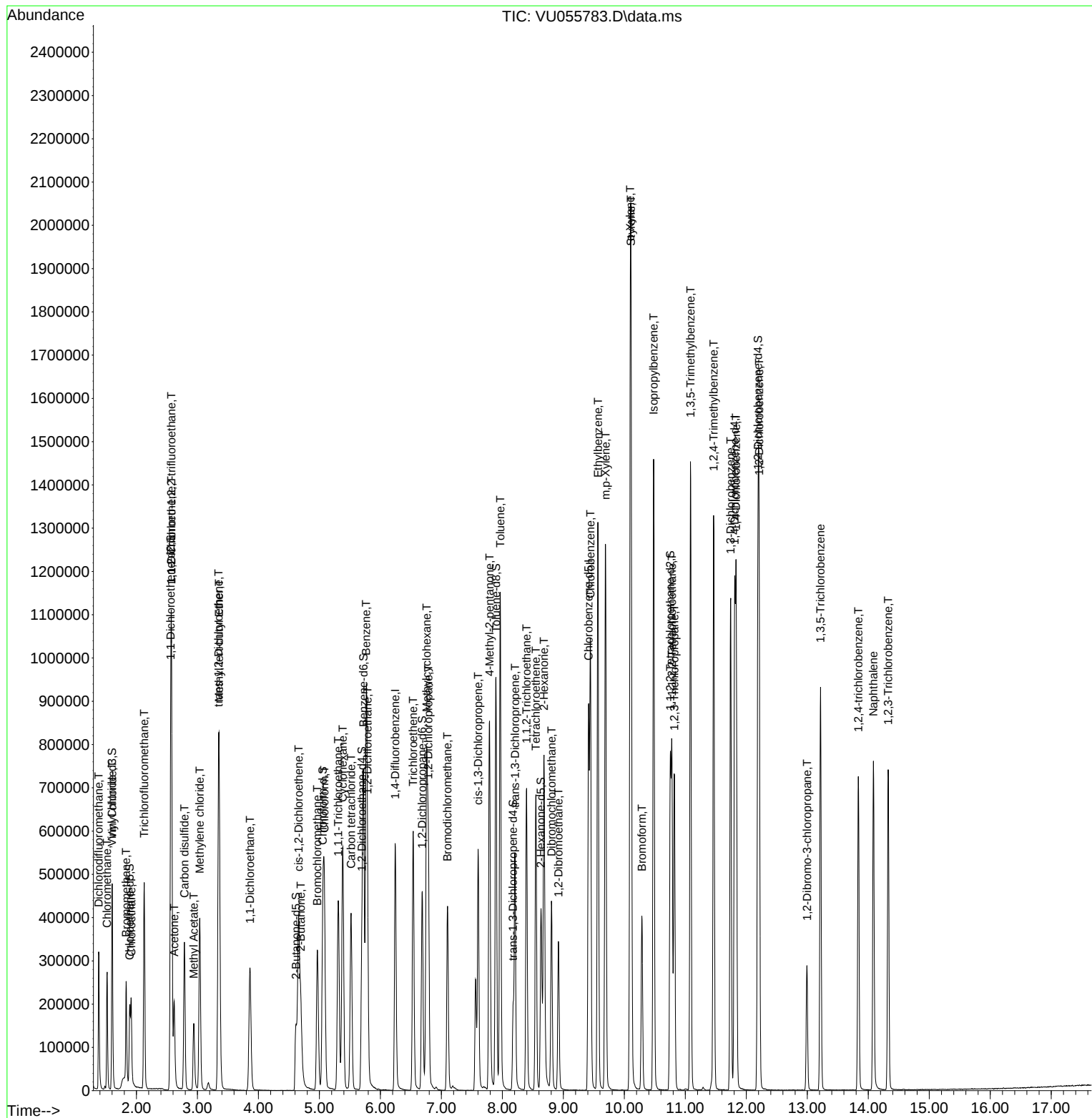
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	299218	52.461	ug/L	99
29) Cyclohexane	5.383	56	271119	49.554	ug/L	99
30) 1,1,1-Trichloroethane	5.309	97	326459	52.937	ug/L	98
31) Carbon tetrachloride	5.518	117	280893	52.038	ug/L	99
33) Benzene	5.766	78	776892	51.489	ug/L	100
34) Trichloroethene	6.538	95	209355	50.709	ug/L	99
35) Methylcyclohexane	6.756	83	295488	49.330	ug/L	100
37) 1,2-Dichloropropane	6.785	63	211224	50.837	ug/L	99
38) Bromodichloromethane	7.100	83	283025	51.654	ug/L	98
39) cis-1,3-Dichloropropene	7.602	75	313138	49.538	ug/L	99
40) 4-Methyl-2-pentanone	7.788	43	582533	100.781	ug/L	98
42) Toluene	7.965	91	843217	52.961	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	311542	51.511	ug/L	99
45) 1,1,2-Trichloroethane	8.396	97	215304	52.553	ug/L	98
46) Tetrachloroethene	8.550	164	146686	49.625	ug/L	97
48) 2-Hexanone	8.682	43	497921	101.984	ug/L	98
49) Dibromochloromethane	8.804	129	223172	53.312	ug/L	98
50) 1,2-Dibromoethane	8.920	107	224838	51.094	ug/L	99
51) Chlorobenzene	9.444	112	537260	52.155	ug/L	99
52) Ethylbenzene	9.566	91	927831	53.304	ug/L	99
53) m,p-Xylene	9.692	106	358214	54.931	ug/L	96
54) o-Xylene	10.097	106	355726	56.371	ug/L	94
55) Styrene	10.110	104	632877	59.202	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.779	83	390363	55.646	ug/L	99
59) Bromoform	10.287	173	178694	52.717	ug/L	98
60) 1,2,3-Trichloropropane	10.820	75	311499	52.124	ug/L	98
61) Isopropylbenzene	10.480	105	939692	54.741	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	781921	56.293	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	733361	53.394	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	452061	53.272	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	449927	51.570	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	453231	53.820	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.994	75	76471	42.802	ug/L	97
69) 1,3,5-Trichlorobenzene	13.216	180	272541	48.150	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	213519	45.287	ug/L	98
71) Naphthalene	14.084	128	614000	43.840	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	217545	46.800	ug/L	98

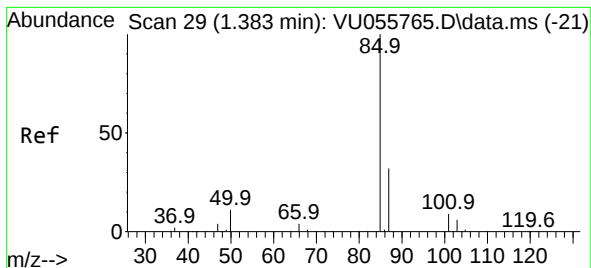
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#2

Dichlorodifluoromethane

Concen: 54.167 ug/L

RT: 1.380 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU055783.D

Acq: 16 Oct 2023 19:38

Instrument :

MSVOA_U

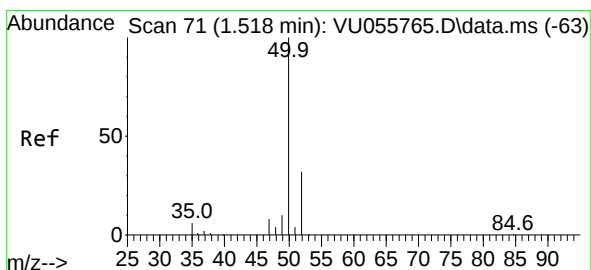
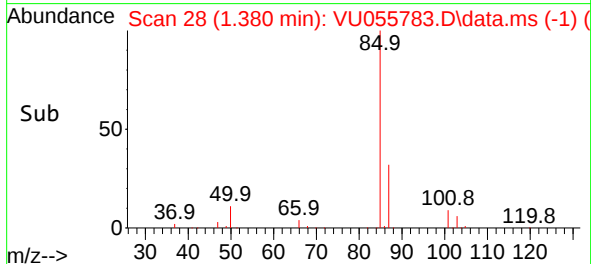
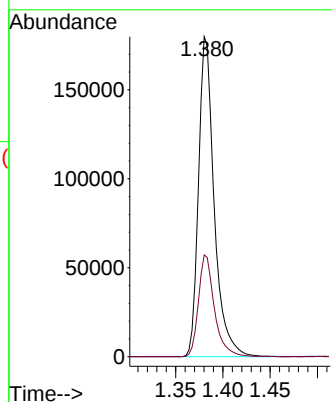
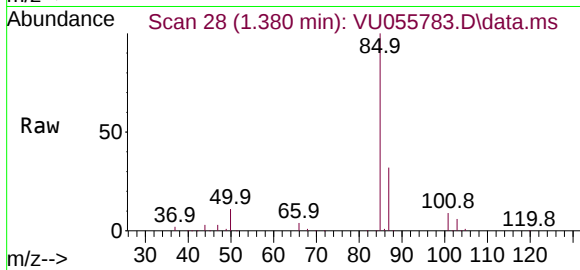
ClientSampleId :

Tgt Ion: 85 Resp: 207102

Ion Ratio Lower Upper

85 100

87 32.4 26.0 39.0



#3

Chloromethane

Concen: 52.400 ug/L

RT: 1.518 min Scan# 71

Delta R.T. 0.000 min

Lab File: VU055783.D

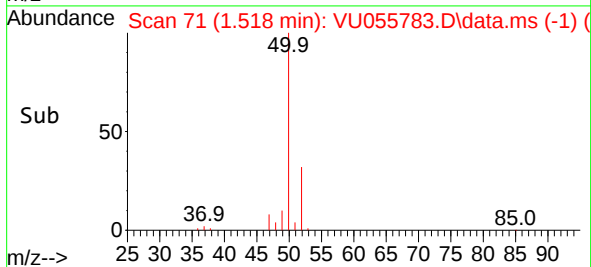
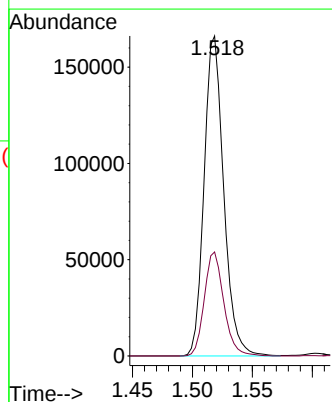
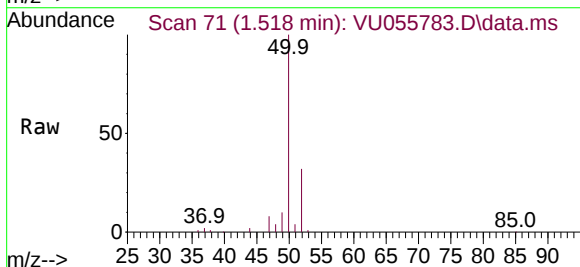
Acq: 16 Oct 2023 19:38

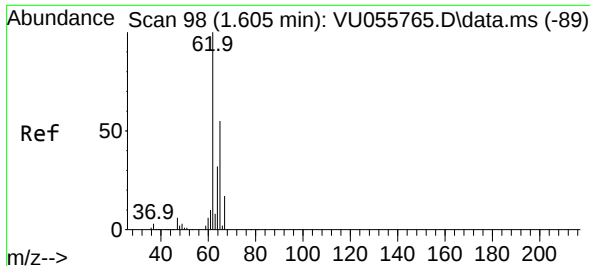
Tgt Ion: 50 Resp: 189574

Ion Ratio Lower Upper

50 100

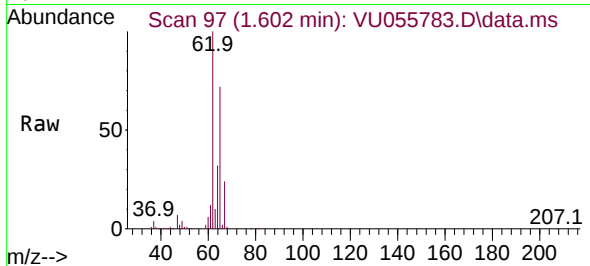
52 32.5 22.8 42.4



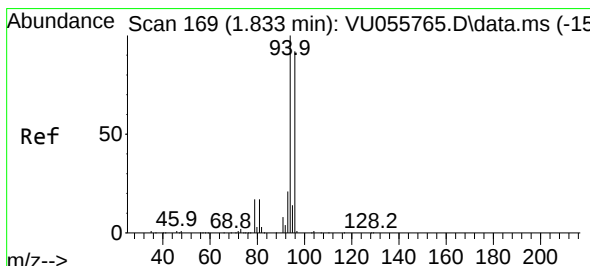
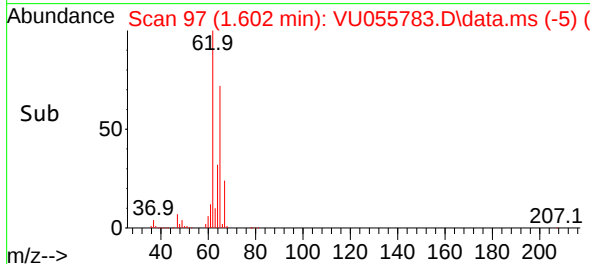
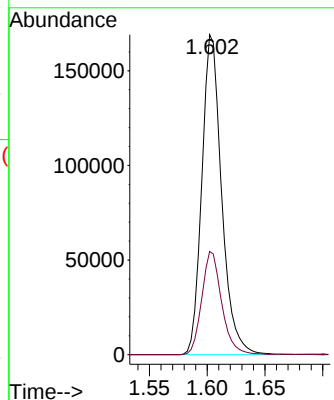


#5
 Vinyl chloride
 Concen: 50.686 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.003 min
 Lab File: VU055783.D
 Acq: 16 Oct 2023 19:38

Instrument :
 MSVOA_U
 ClientSampleId :

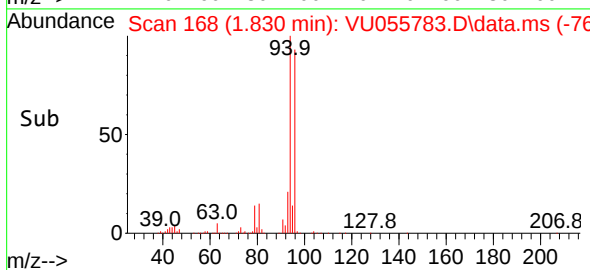
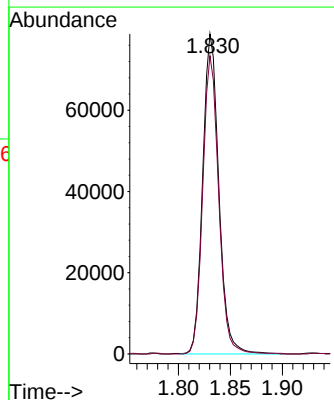
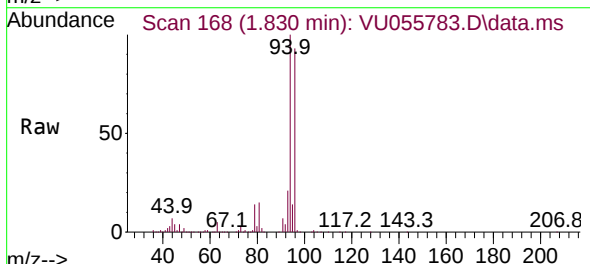


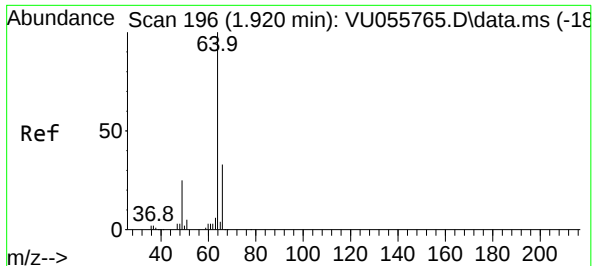
Tgt Ion: 62 Resp: 201798
 Ion Ratio Lower Upper
 62 100
 64 32.2 23.9 44.5



#6
 Bromomethane
 Concen: 33.470 ug/L
 RT: 1.830 min Scan# 168
 Delta R.T. -0.003 min
 Lab File: VU055783.D
 Acq: 16 Oct 2023 19:38

Tgt Ion: 94 Resp: 85188
 Ion Ratio Lower Upper
 94 100
 96 93.2 63.5 117.9





#8

Chloroethane

Concen: 50.613 ug/L

RT: 1.914 min Scan# 19

Delta R.T. -0.006 min

Lab File: VU055783.D

Acq: 16 Oct 2023 19:38

Instrument :

MSVOA_U

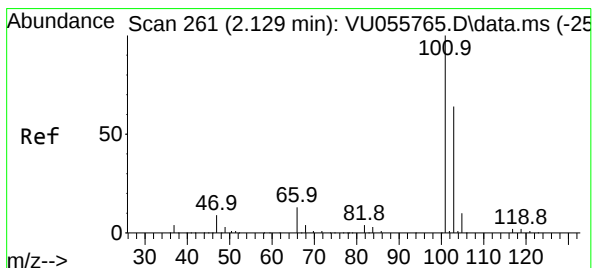
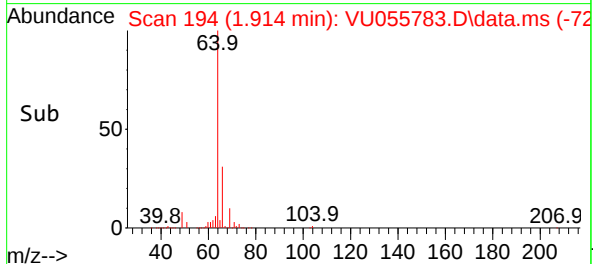
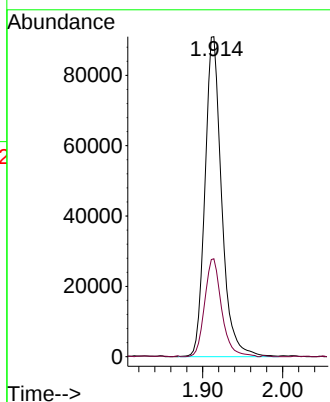
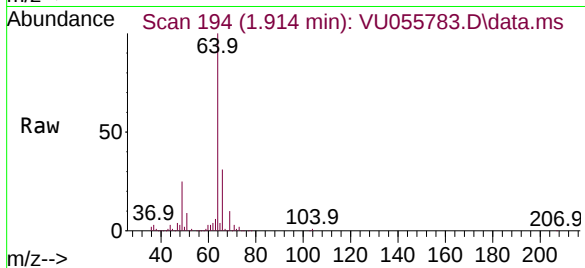
ClientSampleId :

Tgt Ion: 64 Resp: 132179

Ion Ratio Lower Upper

64 100

66 30.6 22.9 42.5



#9

Trichlorofluoromethane

Concen: 54.248 ug/L

RT: 2.126 min Scan# 260

Delta R.T. -0.003 min

Lab File: VU055783.D

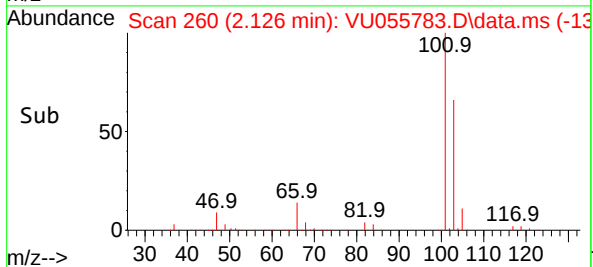
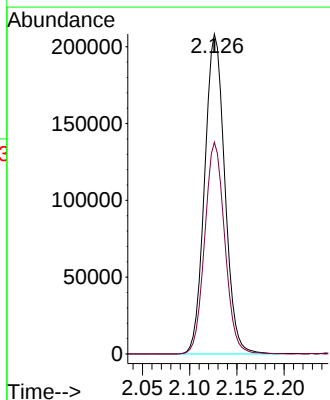
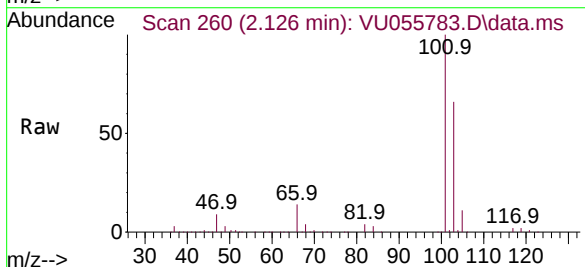
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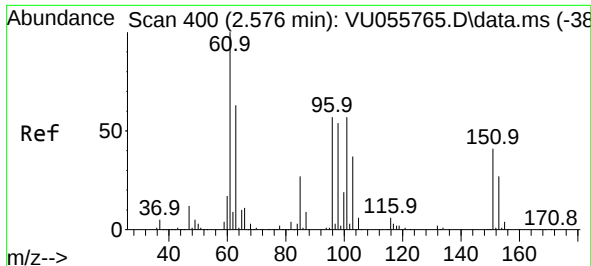
Tgt Ion:101 Resp: 308586

Ion Ratio Lower Upper

101 100

103 65.8 51.3 76.9





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 48.843 ug/L

RT: 2.573 min Scan# 399

Delta R.T. -0.003 min

Lab File: VU055783.D

Acq: 16 Oct 2023 19:38

Instrument :

MSVOA_U

ClientSampleId :

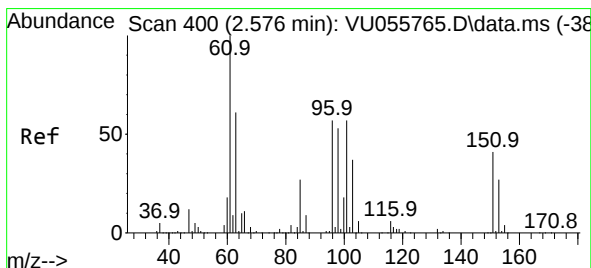
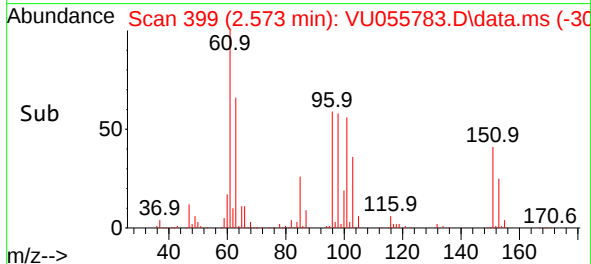
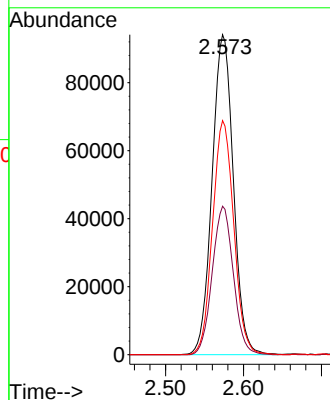
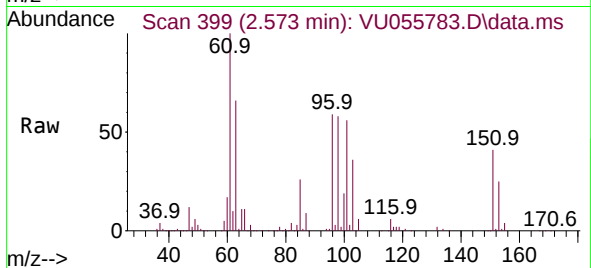
Tgt Ion:101 Resp: 178681

Ion Ratio Lower Upper

101 100

85 45.9 37.1 55.7

151 73.0 58.2 87.4



#12

1,1-Dichloroethene

Concen: 49.287 ug/L

RT: 2.573 min Scan# 399

Delta R.T. -0.003 min

Lab File: VU055783.D

Acq: 16 Oct 2023 19:38

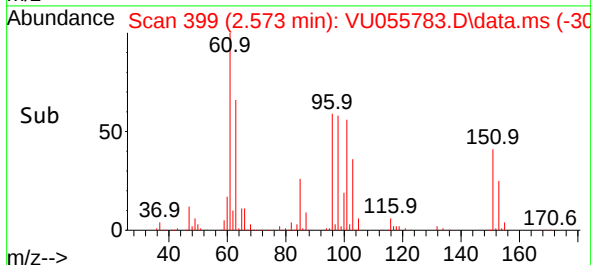
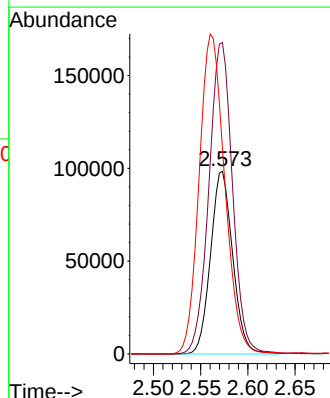
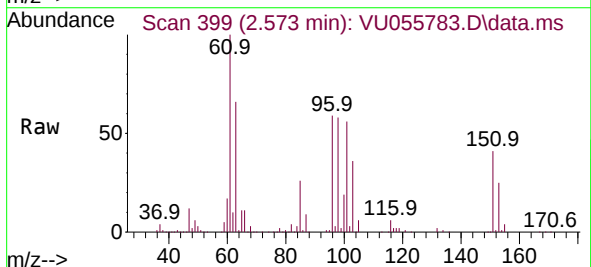
Tgt Ion: 96 Resp: 160447

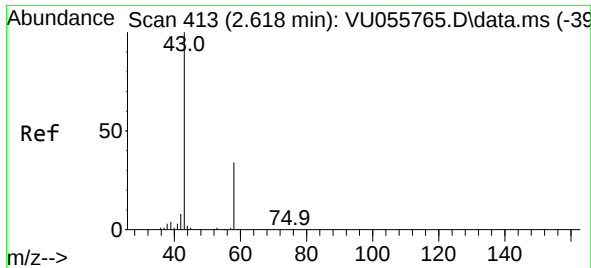
Ion Ratio Lower Upper

96 100

61 170.4 122.0 226.6

63 112.6 93.7 174.1





#13

Acetone

Concen: 76.514 ug/L

RT: 2.618 min Scan# 413

Delta R.T. 0.000 min

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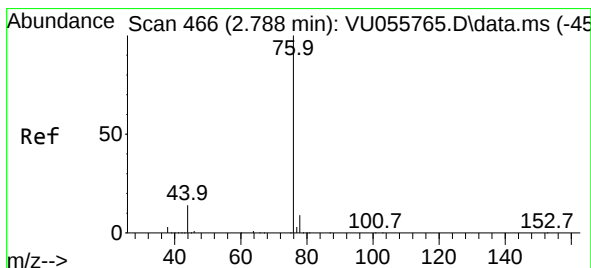
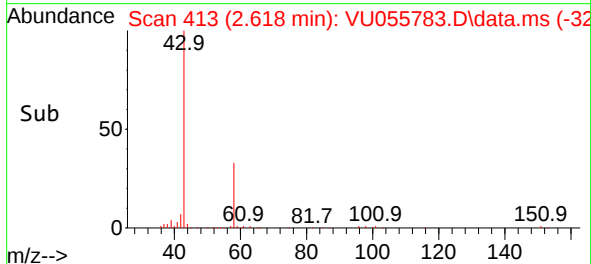
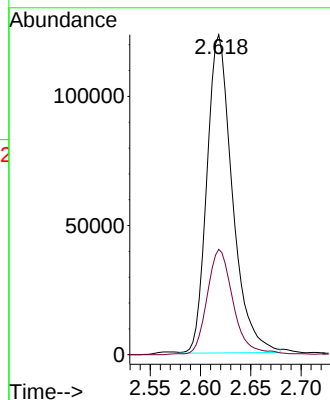
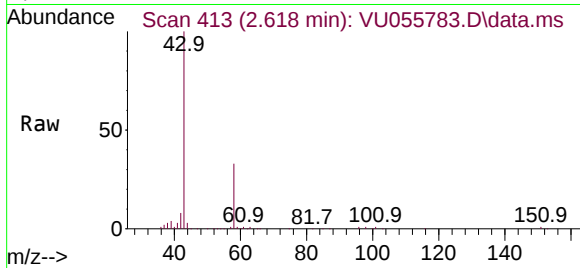
ClientSampleId :

Tgt Ion: 43 Resp: 216699

Ion Ratio Lower Upper

43 100

58 33.3 0.0 67.4



#14

Carbon disulfide

Concen: 44.293 ug/L

RT: 2.785 min Scan# 465

Delta R.T. -0.003 min

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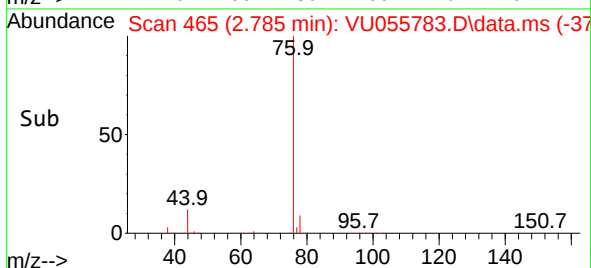
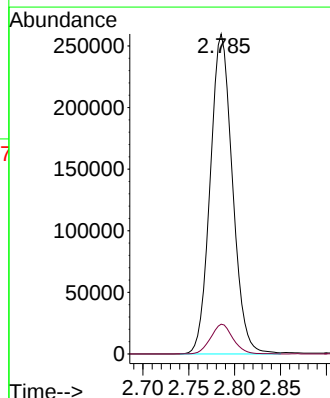
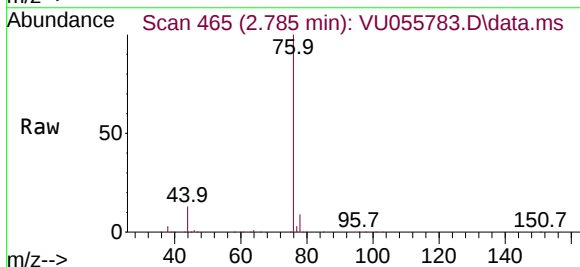
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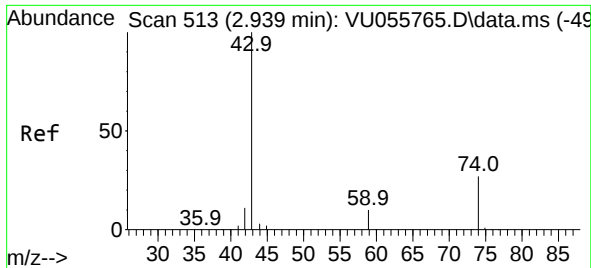
Tgt Ion: 76 Resp: 438801

Ion Ratio Lower Upper

76 100

78 9.3 6.8 10.2

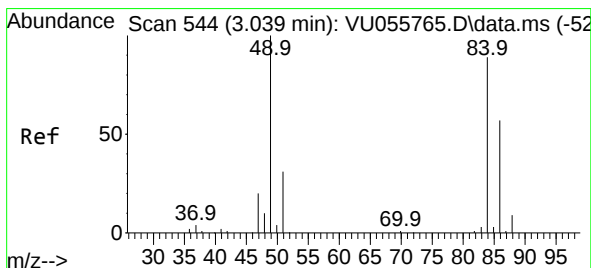
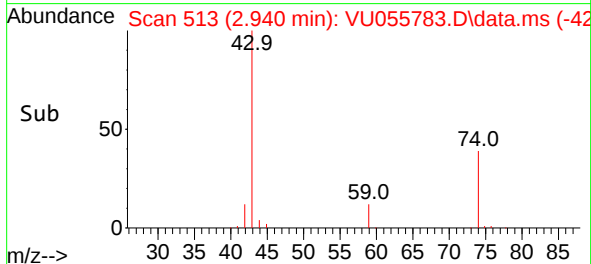
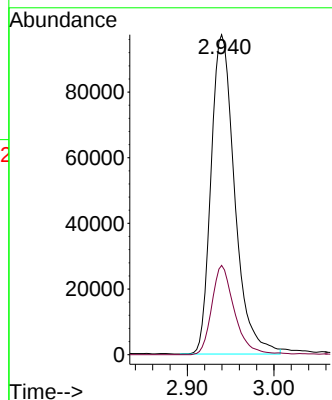
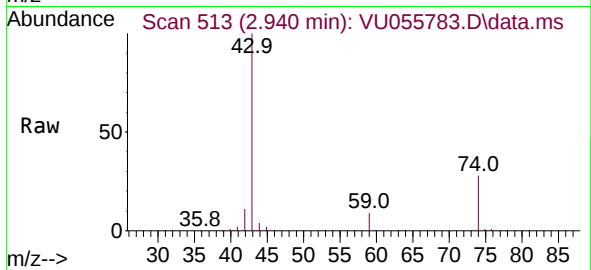




#15
Methyl Acetate
Concen: 42.608 ug/L
RT: 2.940 min Scan# 51
Delta R.T. 0.000 min
Lab File: VU055783.D
Acq: 16 Oct 2023 19:38

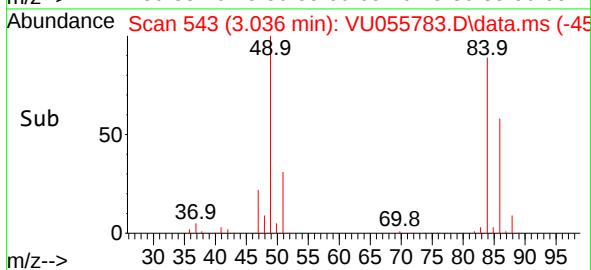
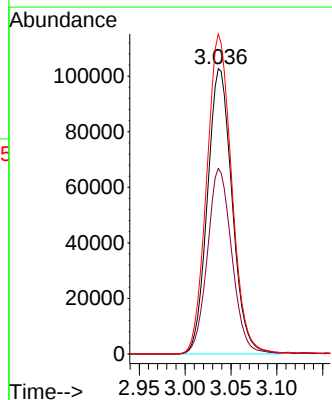
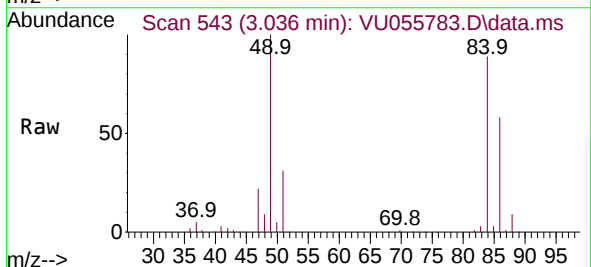
Instrument :
MSVOA_U
ClientSampleId :

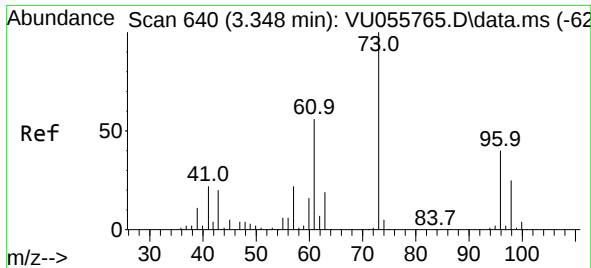
Tgt Ion: 43 Resp: 184804
Ion Ratio Lower Upper
43 100
74 26.6 19.5 29.3



#16
Methylene chloride
Concen: 48.792 ug/L
RT: 3.036 min Scan# 543
Delta R.T. -0.003 min
Lab File: VU055783.D
Acq: 16 Oct 2023 19:38

Tgt Ion: 84 Resp: 192620
Ion Ratio Lower Upper
84 100
86 65.0 46.3 86.1
49 112.2 84.8 157.6

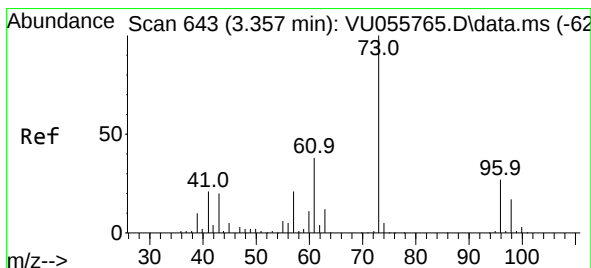
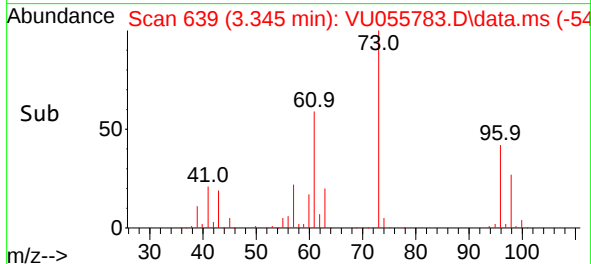
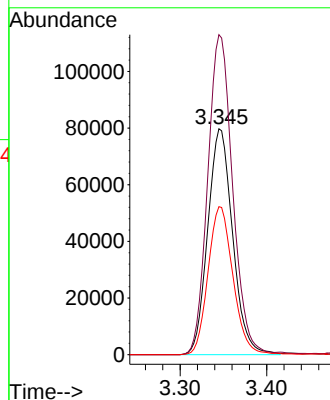
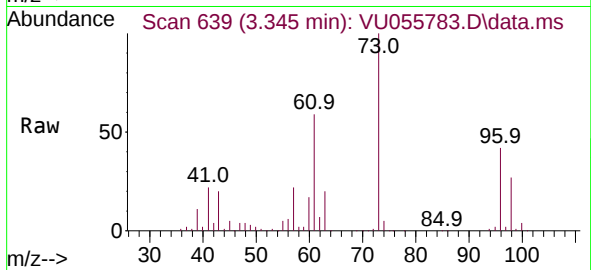




#17
trans-1,2-Dichloroethene
Concen: 47.901 ug/L
RT: 3.345 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU055783.D
Acq: 16 Oct 2023 19:38

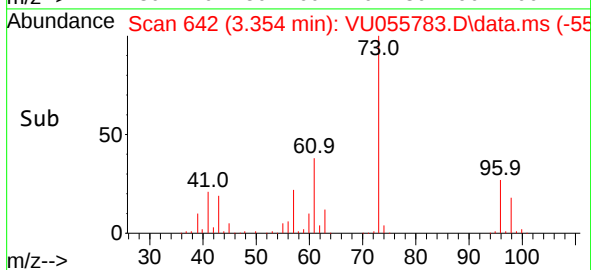
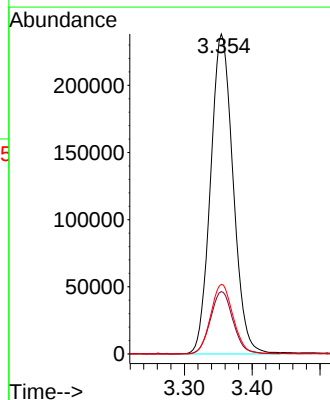
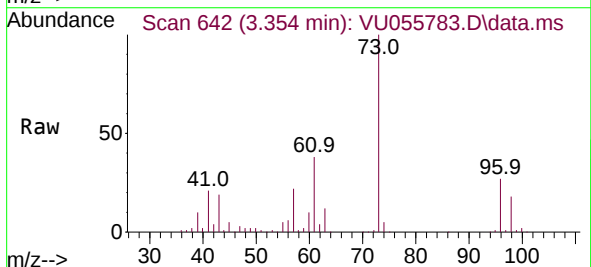
Instrument :
MSVOA_U
ClientSampleId :

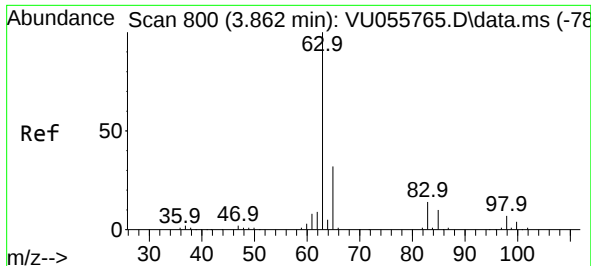
Tgt Ion: 96 Resp: 159453
Ion Ratio Lower Upper
96 100
61 141.6 102.1 189.7
98 65.5 46.3 86.1



#18
Methyl tert-butyl Ether
Concen: 51.447 ug/L
RT: 3.354 min Scan# 642
Delta R.T. -0.003 min
Lab File: VU055783.D
Acq: 16 Oct 2023 19:38

Tgt Ion: 73 Resp: 550755
Ion Ratio Lower Upper
73 100
43 19.4 15.4 23.2
57 21.7 17.7 26.5





#19

1,1-Dichloroethane

Concen: 48.107 ug/L

RT: 3.862 min Scan# 800

Delta R.T. 0.000 min

Lab File: VU055783.D

Acq: 16 Oct 2023 19:38

Instrument :

MSVOA_U

ClientSampleId :

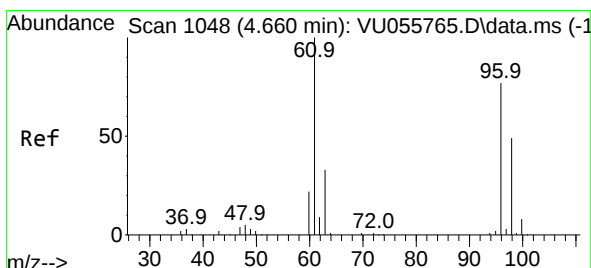
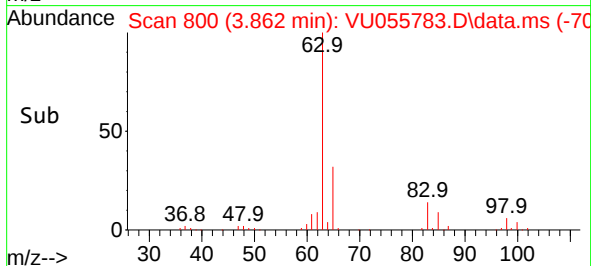
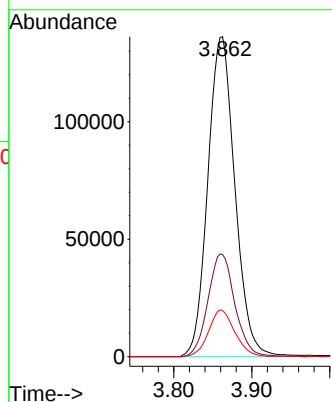
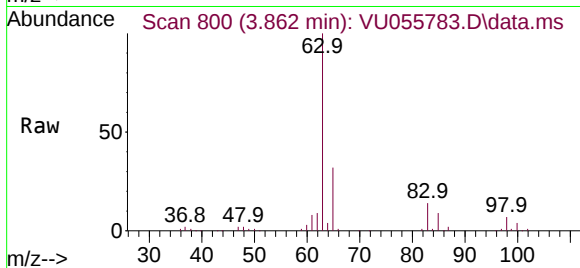
Tgt Ion: 63 Resp: 328401

Ion Ratio Lower Upper

63 100

65 31.8 22.3 41.5

83 14.4 9.5 17.7



#20

cis-1,2-Dichloroethene

Concen: 51.682 ug/L

RT: 4.660 min Scan# 1048

Delta R.T. 0.000 min

Lab File: VU055783.D

Acq: 16 Oct 2023 19:38

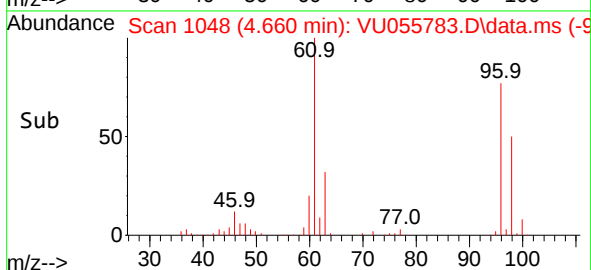
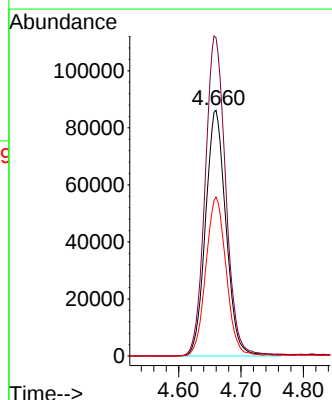
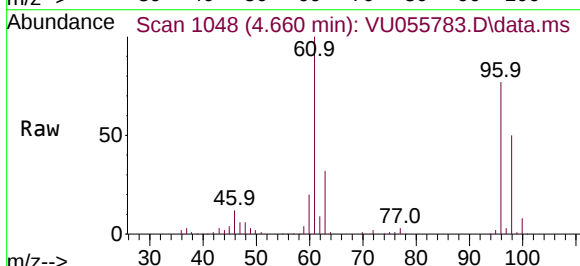
Tgt Ion: 96 Resp: 196348

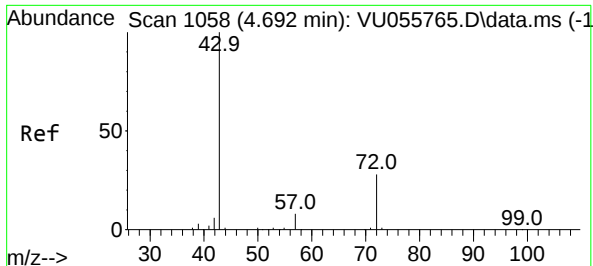
Ion Ratio Lower Upper

96 100

61 129.5 92.3 171.5

98 64.6 43.9 81.5





#22

2-Butanone

Concen: 85.960 ug/L

RT: 4.695 min Scan# 1105

Delta R.T. 0.003 min

Lab File: VU055783.D

Acq: 16 Oct 2023 19:38

Instrument :

MSVOA_U

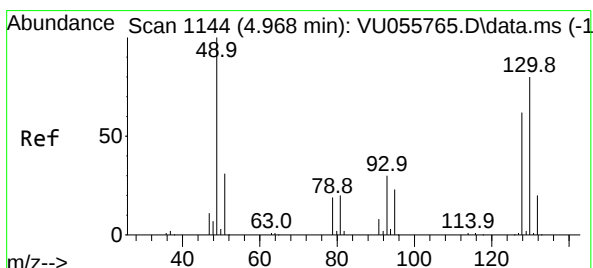
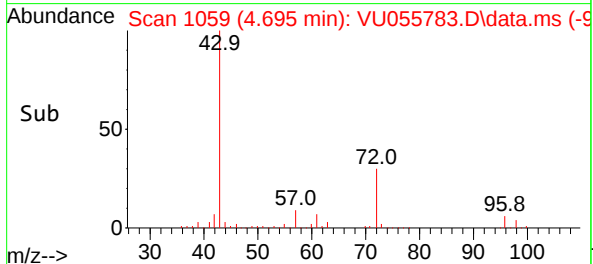
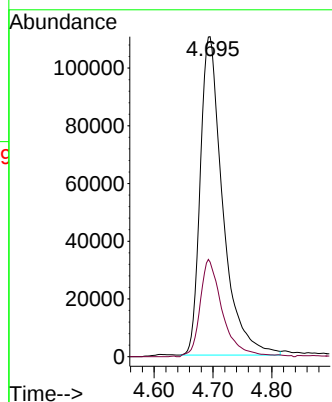
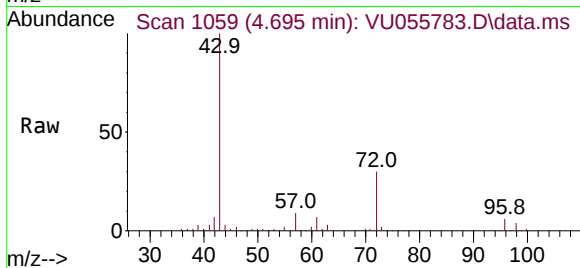
ClientSampleId :

Tgt Ion: 43 Resp: 293434

Ion Ratio Lower Upper

43 100

72 30.2 14.6 44.0



#23

Bromochloromethane

Concen: 53.940 ug/L

RT: 4.965 min Scan# 1143

Delta R.T. -0.003 min

Lab File: VU055783.D

Acq: 16 Oct 2023 19:38

Tgt Ion:128 Resp: 106131

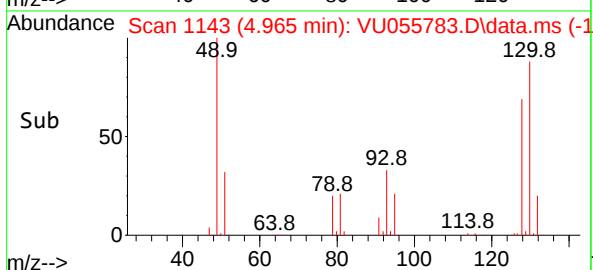
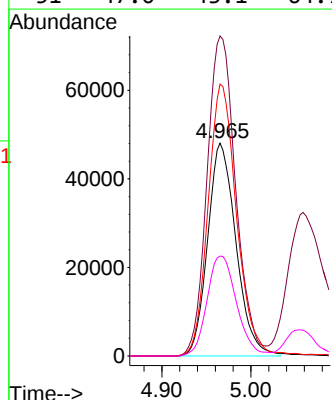
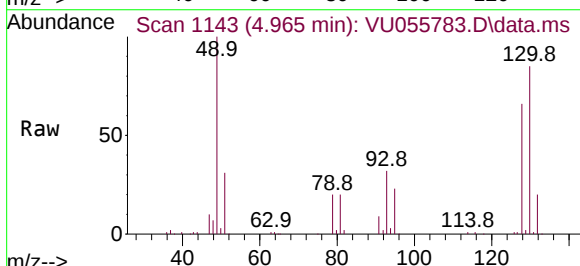
Ion Ratio Lower Upper

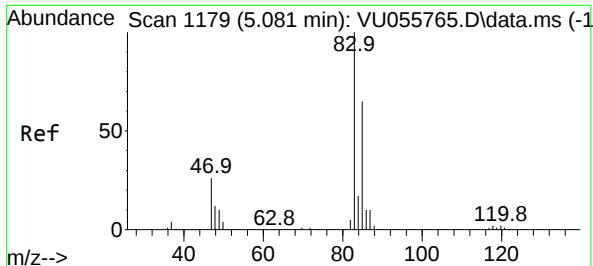
128 100

49 150.4 116.3 216.1

130 127.8 91.6 170.0

51 47.0 43.1 64.7





#25

Chloroform

Concen: 51.800 ug/L

RT: 5.081 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VU055783.D

Acq: 16 Oct 2023 19:38

Instrument :

MSVOA_U

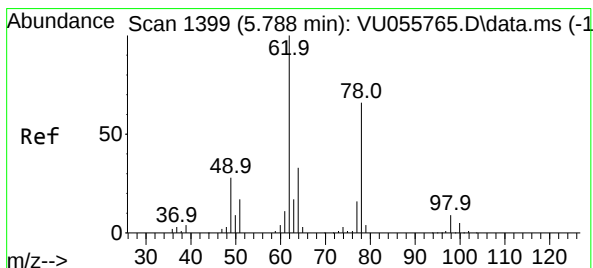
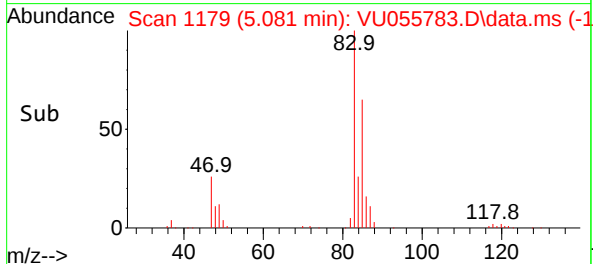
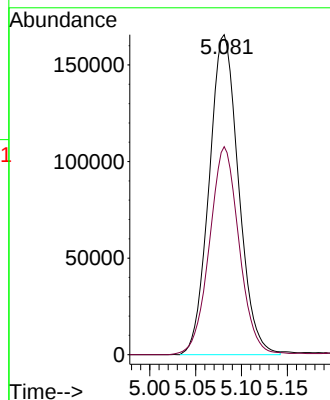
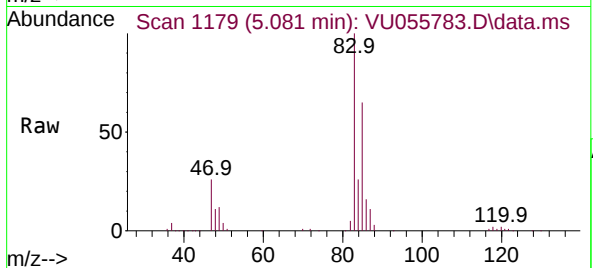
ClientSampleId :

Tgt Ion: 83 Resp: 369396

Ion Ratio Lower Upper

83 100

85 65.0 46.3 86.1



#27

1,2-Dichloroethane

Concen: 52.461 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. 0.000 min

Lab File: VU055783.D

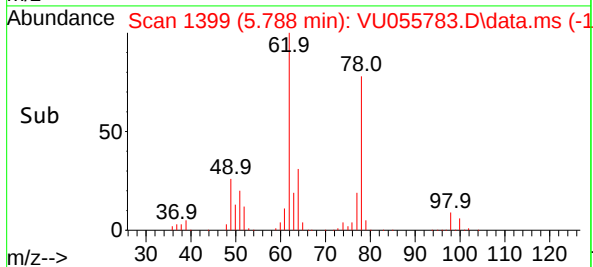
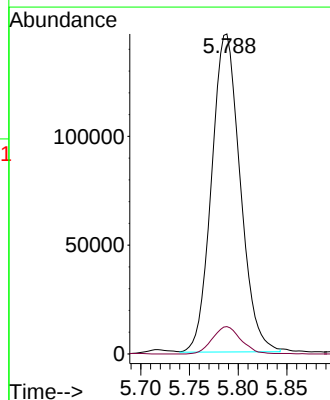
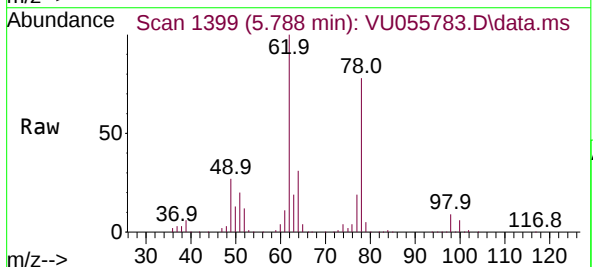
Acq: 16 Oct 2023 19:38

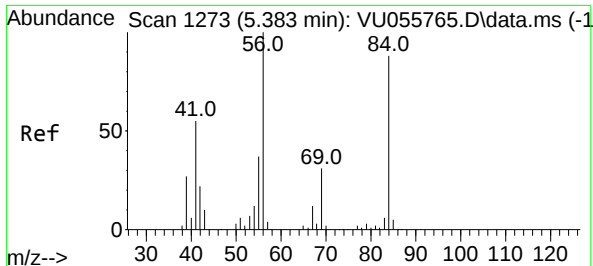
Tgt Ion: 62 Resp: 299218

Ion Ratio Lower Upper

62 100

98 8.5 7.2 10.8





#29

Cyclohexane

Concen: 49.554 ug/L

RT: 5.383 min Scan# 1273

Delta R.T. 0.000 min

Lab File: VU055783.D

Acq: 16 Oct 2023 19:38

Instrument :

MSVOA_U

ClientSampleId :

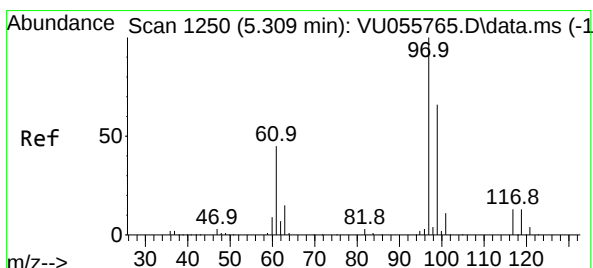
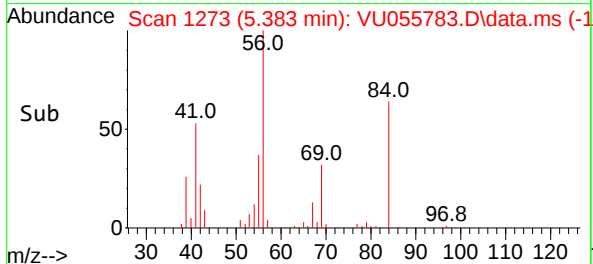
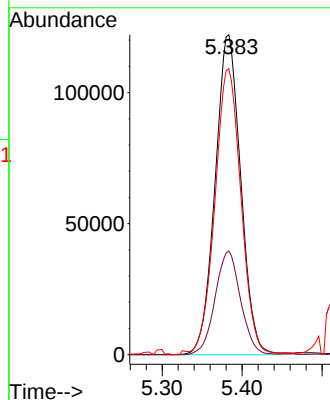
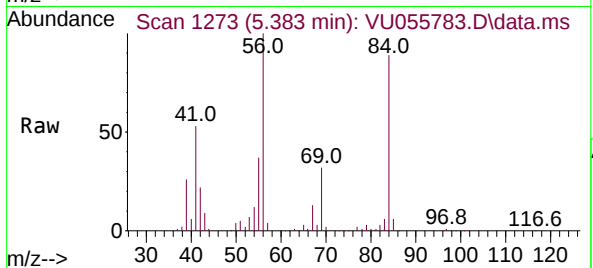
Tgt Ion: 56 Resp: 271119

Ion Ratio Lower Upper

56 100

69 32.2 24.9 37.3

84 89.1 70.7 106.1



#30

1,1,1-Trichloroethane

Concen: 52.937 ug/L

RT: 5.309 min Scan# 1250

Delta R.T. 0.000 min

Lab File: VU055783.D

Acq: 16 Oct 2023 19:38

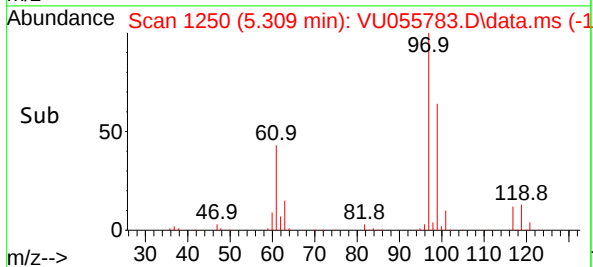
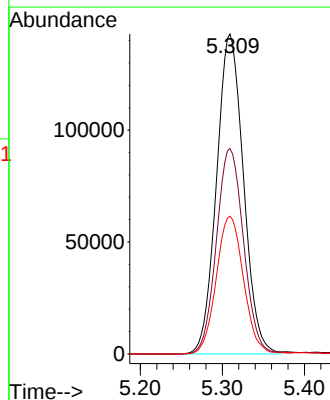
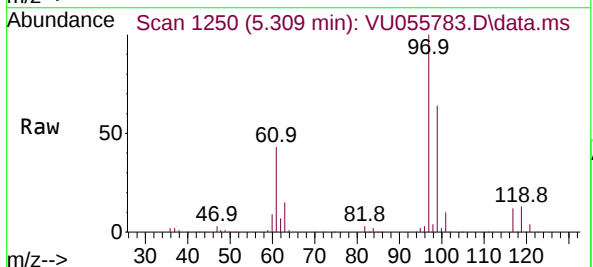
Tgt Ion: 97 Resp: 326459

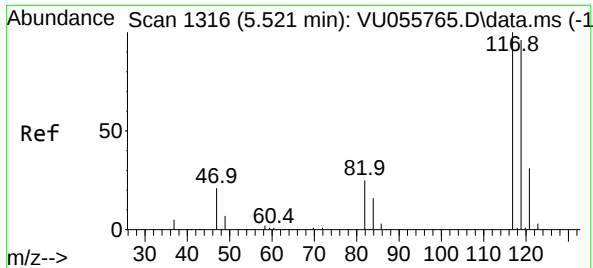
Ion Ratio Lower Upper

97 100

99 64.7 51.6 77.4

61 43.4 36.8 55.2

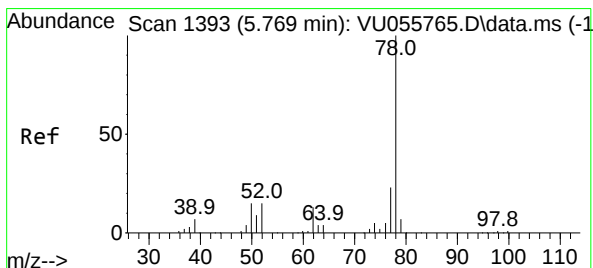
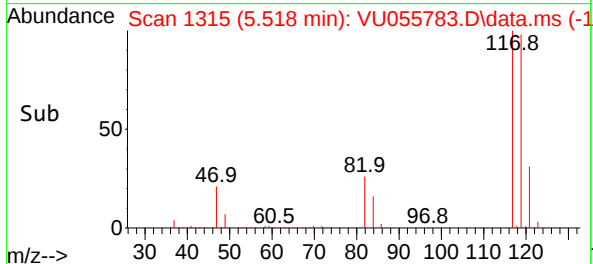
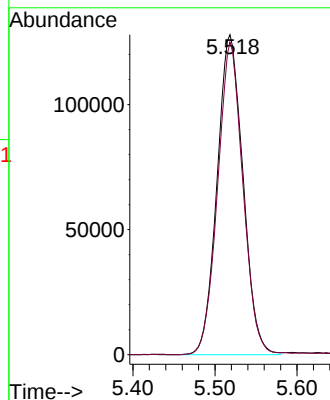
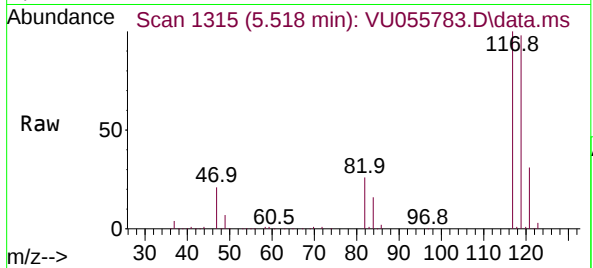




#31
Carbon tetrachloride
Concen: 52.038 ug/L
RT: 5.518 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU055783.D
Acq: 16 Oct 2023 19:38

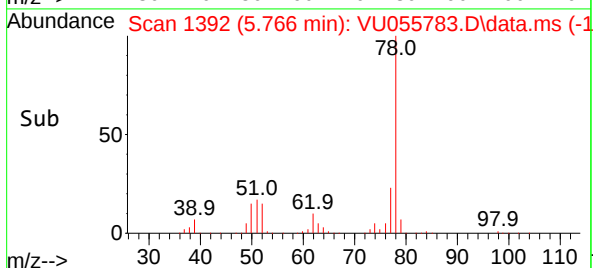
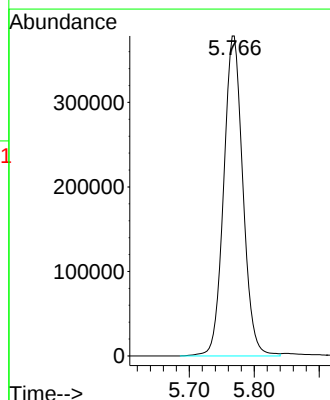
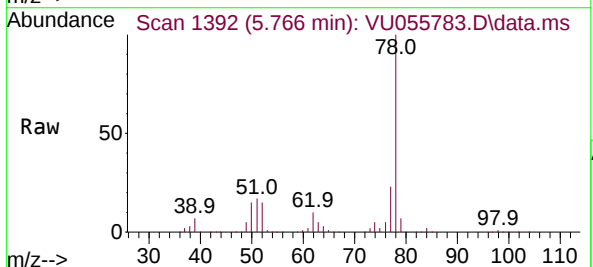
Instrument :
MSVOA_U
ClientSampleId :

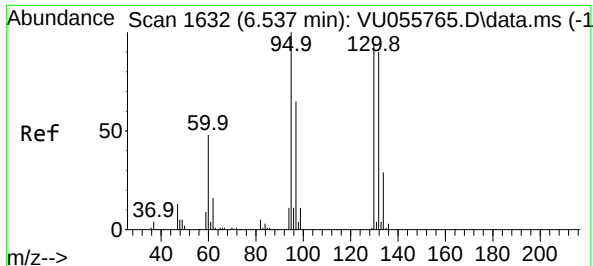
Tgt Ion:117 Resp: 280893
Ion Ratio Lower Upper
117 100
119 95.1 75.4 113.0



#33
Benzene
Concen: 51.489 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. -0.003 min
Lab File: VU055783.D
Acq: 16 Oct 2023 19:38

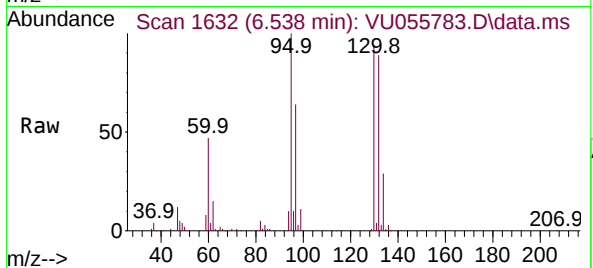
Tgt Ion: 78 Resp: 776892



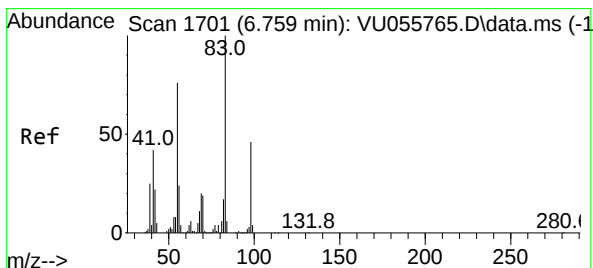
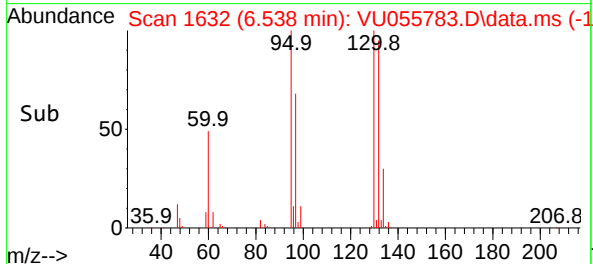
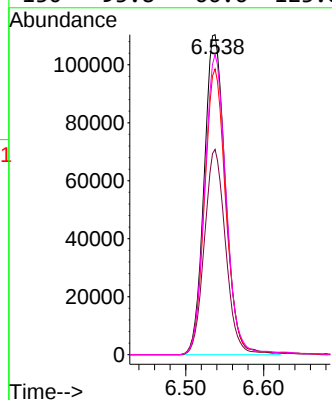


#34
Trichloroethene
Concen: 50.709 ug/L
RT: 6.538 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU055783.D
Acq: 16 Oct 2023 19:38

Instrument :
MSVOA_U
ClientSampleId :

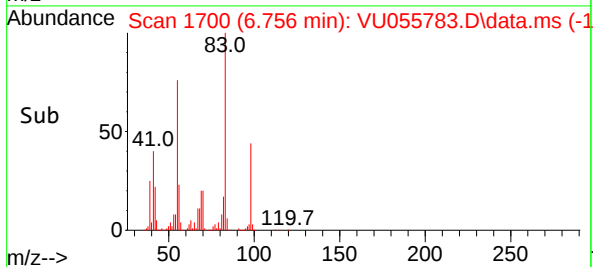
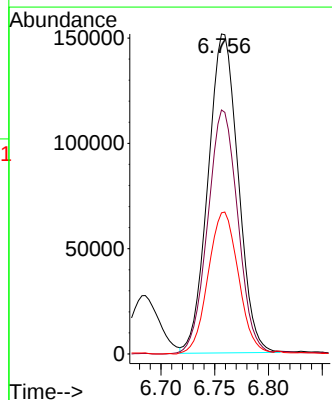
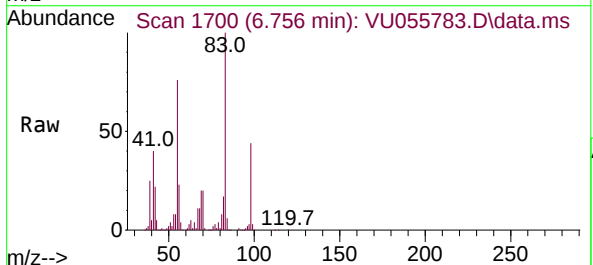


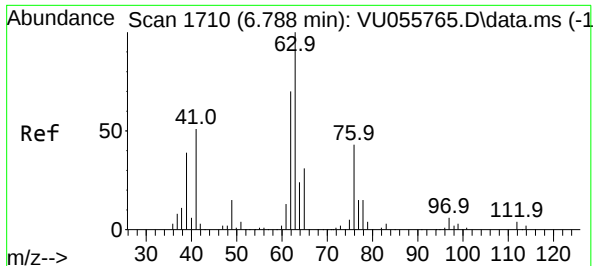
Tgt Ion: 95 Resp: 209355
Ion Ratio Lower Upper
95 100
97 64.1 44.4 82.5
132 89.3 61.8 114.8
130 93.8 66.6 123.8



#35
Methylcyclohexane
Concen: 49.330 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. -0.003 min
Lab File: VU055783.D
Acq: 16 Oct 2023 19:38

Tgt Ion: 83 Resp: 295488
Ion Ratio Lower Upper
83 100
55 76.6 61.2 91.8
98 44.7 35.8 53.6





#37

1,2-Dichloropropane

Concen: 50.837 ug/L

RT: 6.785 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU055783.D

Acq: 16 Oct 2023 19:38

Instrument :

MSVOA_U

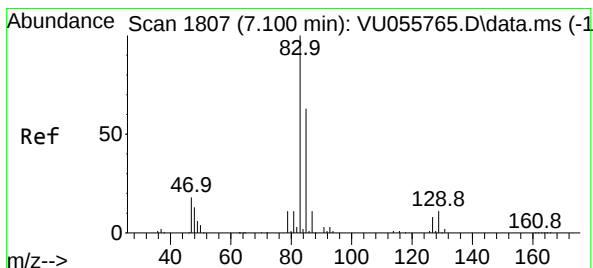
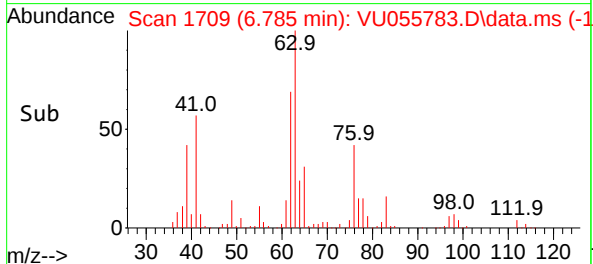
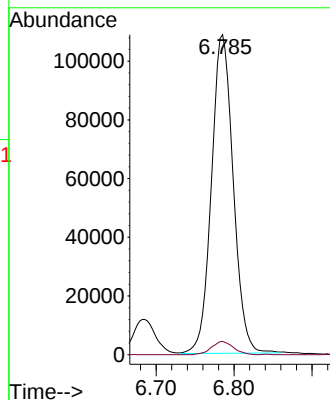
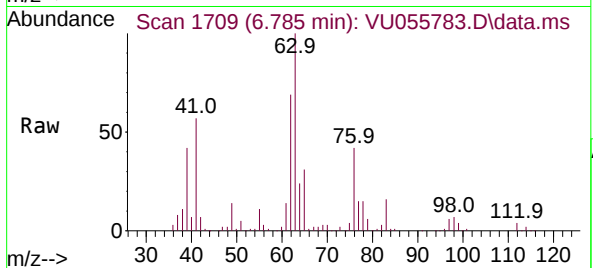
ClientSampleId :

Tgt Ion: 63 Resp: 211224

Ion Ratio Lower Upper

63 100

112 4.2 3.0 4.4



#38

Bromodichloromethane

Concen: 51.654 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VU055783.D

Acq: 16 Oct 2023 19:38

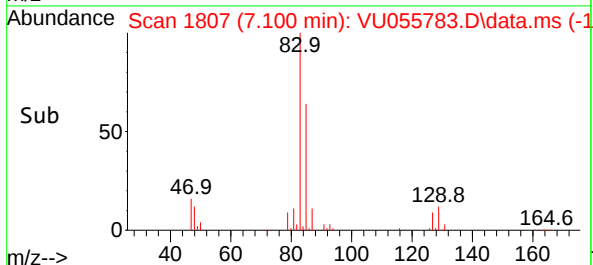
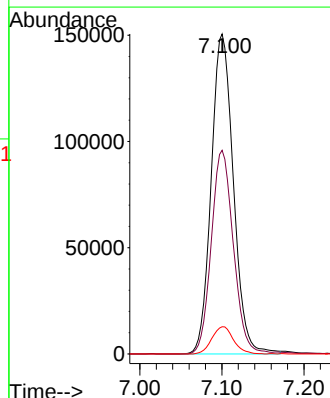
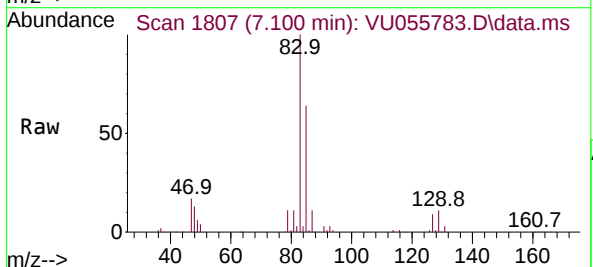
Tgt Ion: 83 Resp: 283025

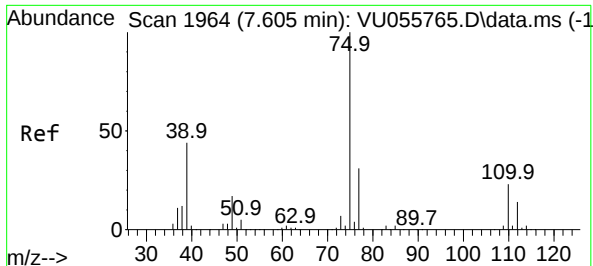
Ion Ratio Lower Upper

83 100

85 63.6 46.0 85.4

127 8.5 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 49.538 ug/L

RT: 7.602 min Scan# 1964

Delta R.T. -0.003 min

Lab File: VU055783.D

Acq: 16 Oct 2023 19:38

Instrument :

MSVOA_U

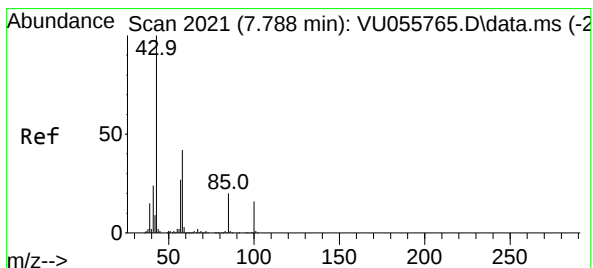
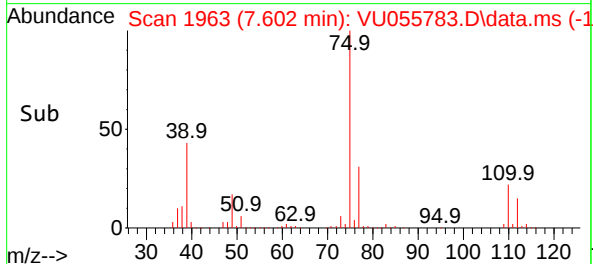
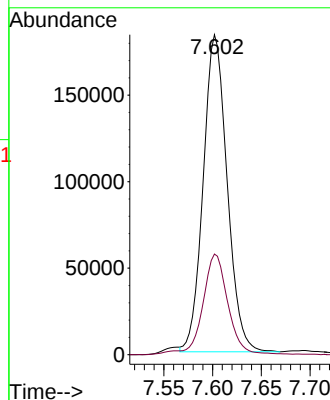
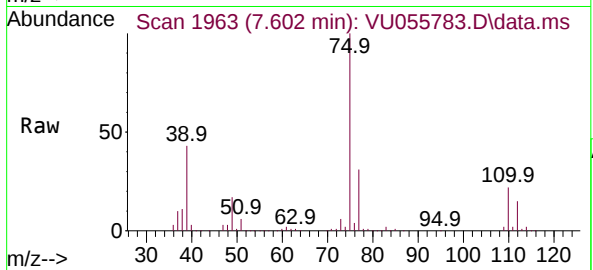
ClientSampleId :

Tgt Ion: 75 Resp: 313138

Ion Ratio Lower Upper

75 100

77 31.4 21.7 40.3



#40

4-Methyl-2-pentanone

Concen: 100.781 ug/L

RT: 7.788 min Scan# 2021

Delta R.T. 0.000 min

Lab File: VU055783.D

Acq: 16 Oct 2023 19:38

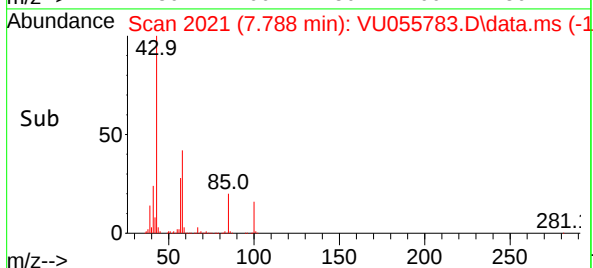
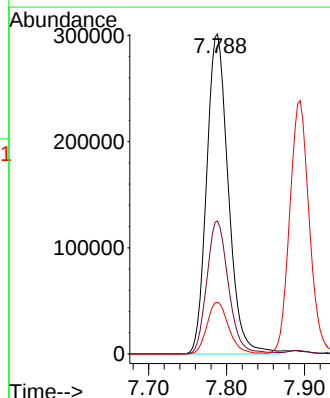
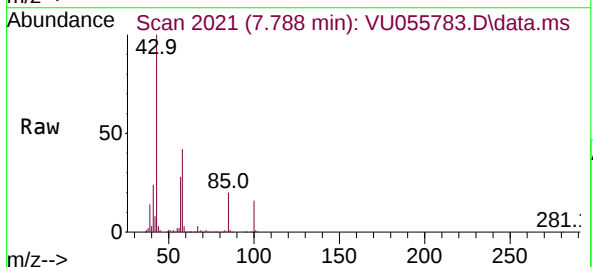
Tgt Ion: 43 Resp: 582533

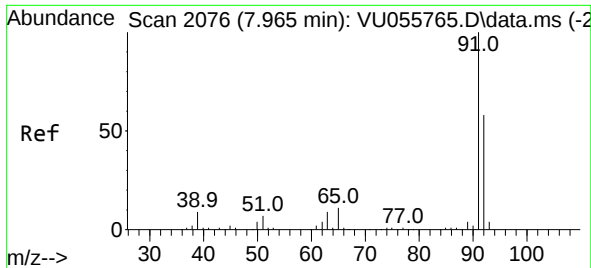
Ion Ratio Lower Upper

43 100

58 41.7 32.3 48.5

100 16.1 12.0 18.0





#42

Toluene

Concen: 52.961 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU055783.D

Acq: 16 Oct 2023 19:38

Instrument :

MSVOA_U

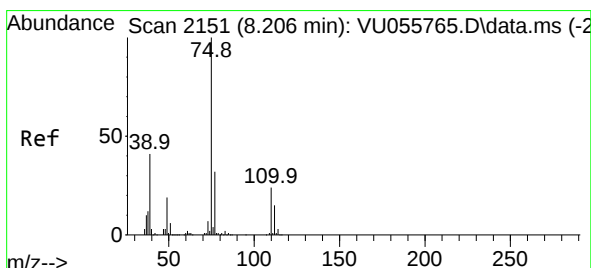
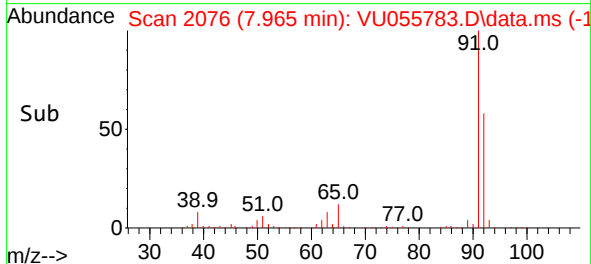
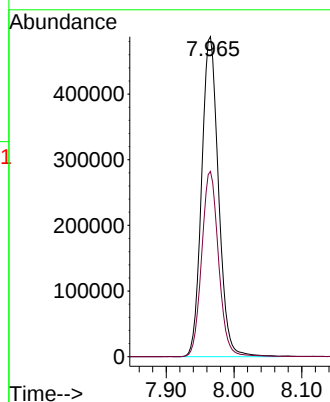
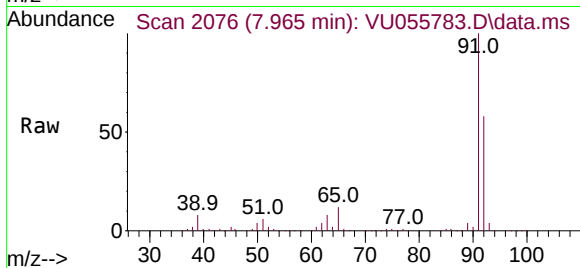
ClientSampleId :

Tgt Ion: 91 Resp: 843217

Ion Ratio Lower Upper

91 100

92 57.9 40.0 74.4



#44

trans-1,3-Dichloropropene

Concen: 51.511 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU055783.D

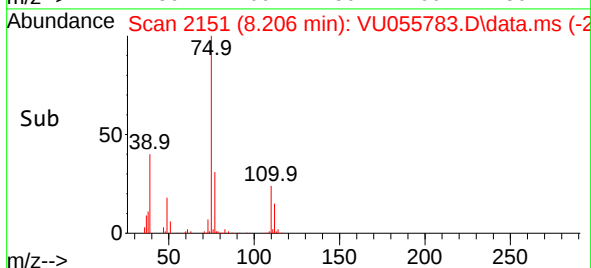
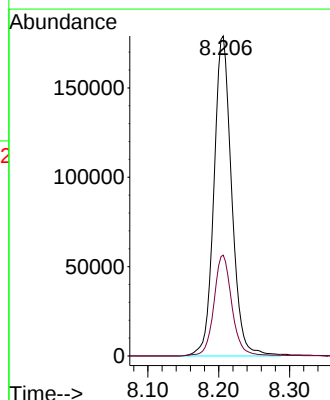
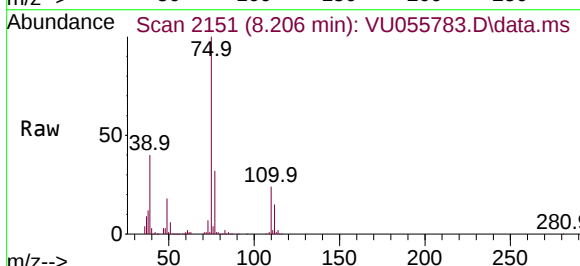
Acq: 16 Oct 2023 19:38

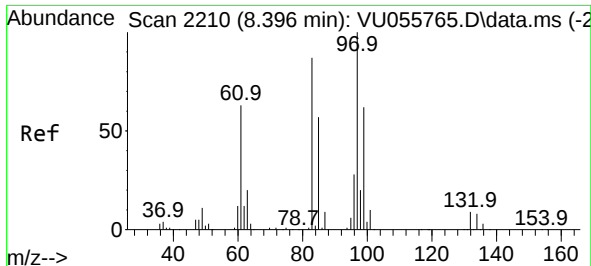
Tgt Ion: 75 Resp: 311542

Ion Ratio Lower Upper

75 100

77 31.5 21.6 40.2



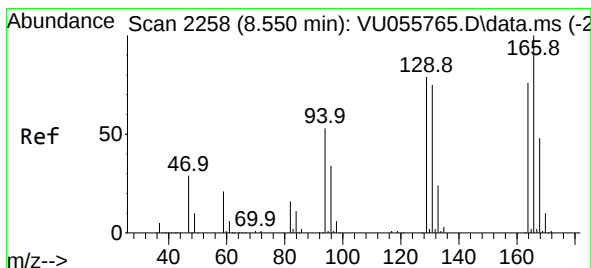
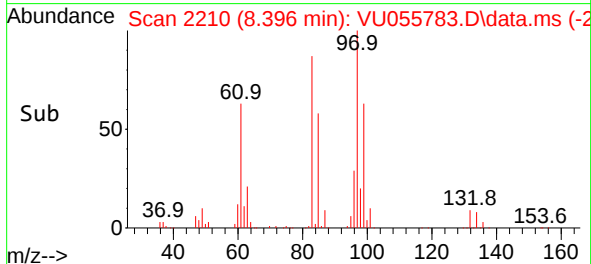
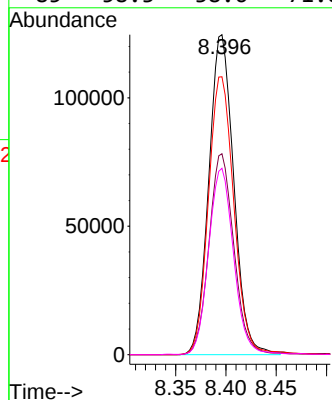
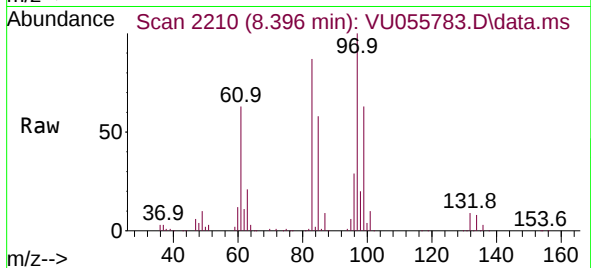


#45
1,1,2-Trichloroethane
Concen: 52.553 ug/L
RT: 8.396 min Scan# 2210
Delta R.T. 0.000 min
Lab File: VU055783.D
Acq: 16 Oct 2023 19:38

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 215304

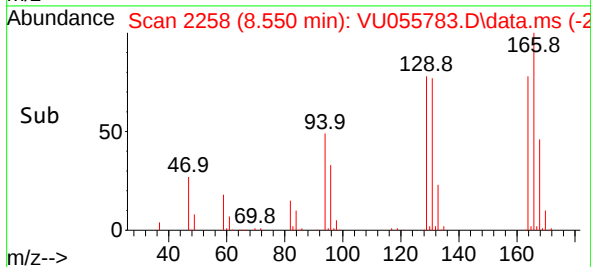
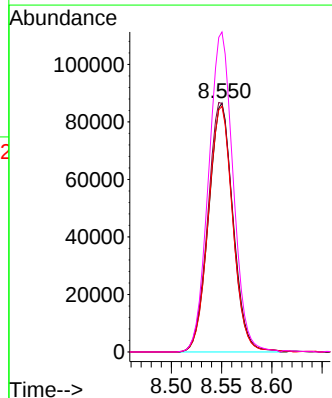
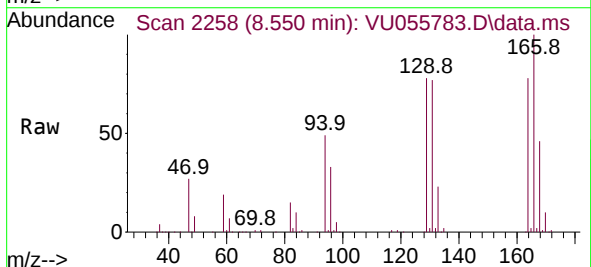
Ion	Ratio	Lower	Upper
97	100		
99	62.8	44.4	82.5
83	86.8	60.4	112.2
85	58.3	38.6	71.8

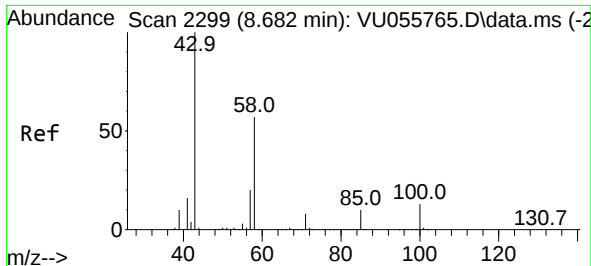


#46
Tetrachloroethene
Concen: 49.625 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VU055783.D
Acq: 16 Oct 2023 19:38

Tgt Ion: 164 Resp: 146686

Ion	Ratio	Lower	Upper
164	100		
129	99.9	70.7	131.3
131	98.7	65.9	122.5
166	128.6	87.8	163.0

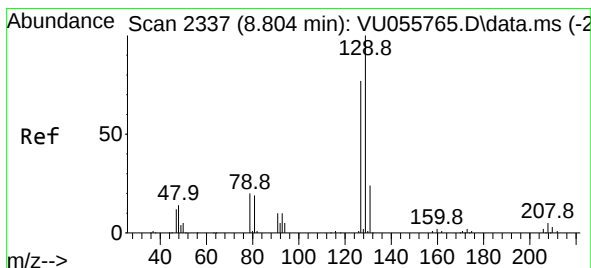
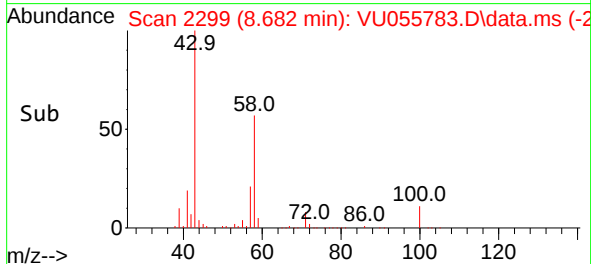
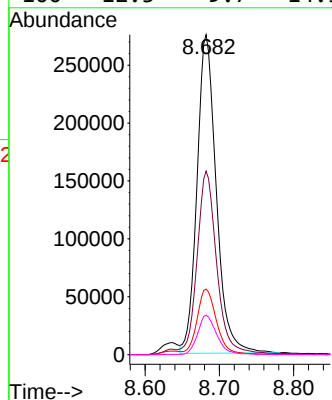
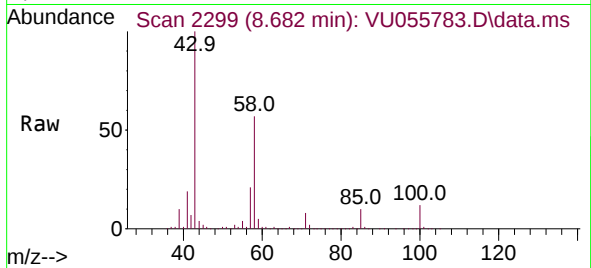




#48
2-Hexanone
Concen: 101.984 ug/L
RT: 8.682 min Scan# 2299
Delta R.T. 0.000 min
Lab File: VU055783.D
Acq: 16 Oct 2023 19:38

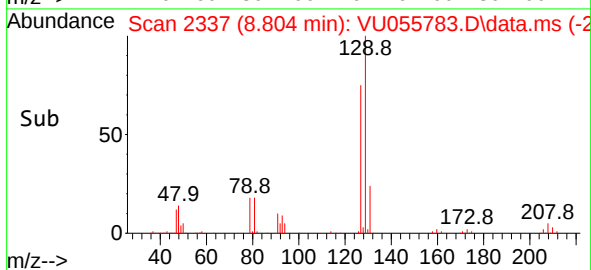
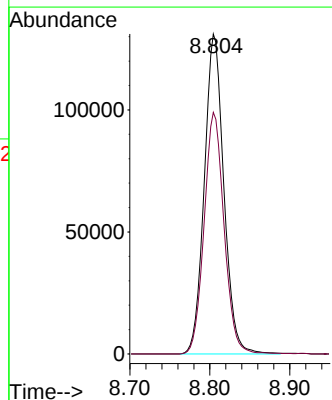
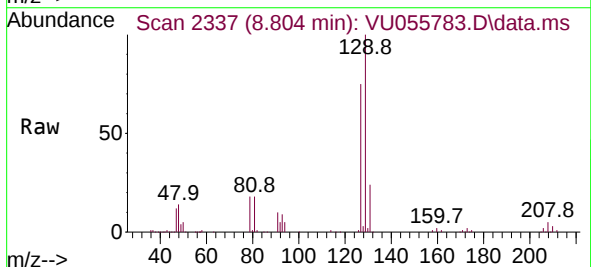
Instrument :
MSVOA_U
ClientSampleId :

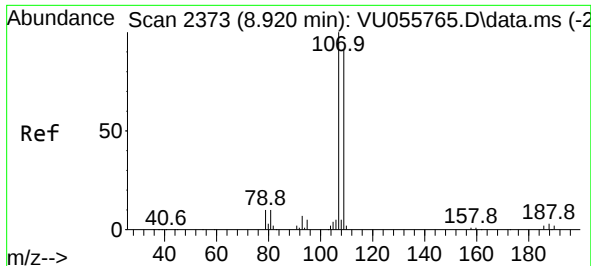
Tgt Ion: 43 Resp: 497921
Ion Ratio Lower Upper
43 100
58 57.9 45.2 67.8
57 20.6 16.1 24.1
100 12.3 9.7 14.5



#49
Dibromochloromethane
Concen: 53.312 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VU055783.D
Acq: 16 Oct 2023 19:38

Tgt Ion: 129 Resp: 223172
Ion Ratio Lower Upper
129 100
127 75.5 54.0 100.4





#50

1,2-Dibromoethane

Concen: 51.094 ug/L

RT: 8.920 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU055783.D

Acq: 16 Oct 2023 19:38

Instrument :

MSVOA_U

ClientSampleId :

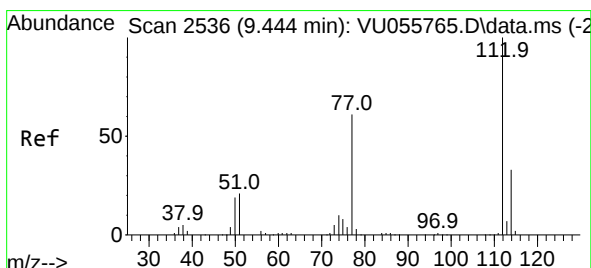
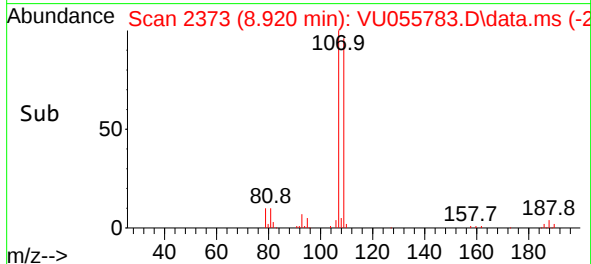
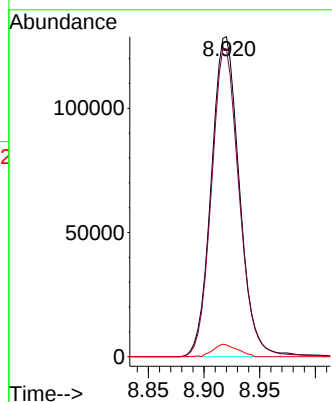
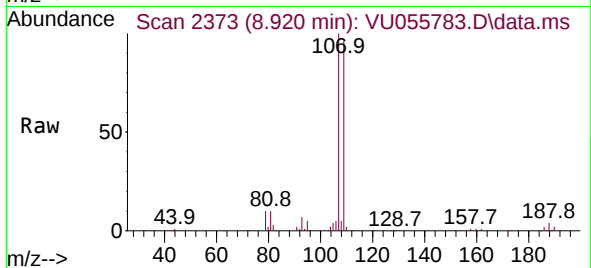
Tgt Ion:107 Resp: 224838

Ion Ratio Lower Upper

107 100

109 96.2 66.7 123.9

188 3.7 2.6 4.0



#51

Chlorobenzene

Concen: 52.155 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. 0.000 min

Lab File: VU055783.D

Acq: 16 Oct 2023 19:38

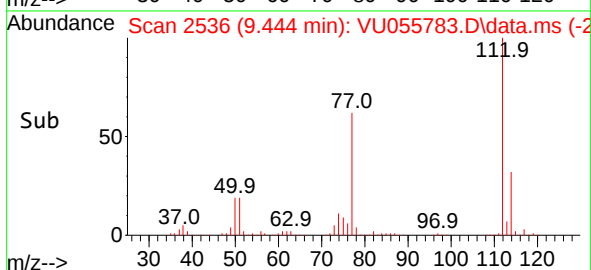
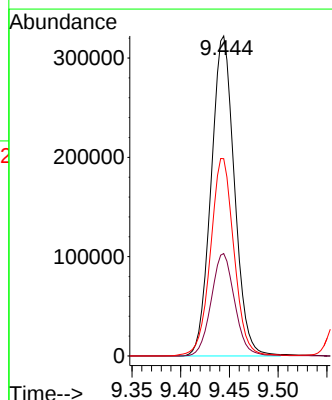
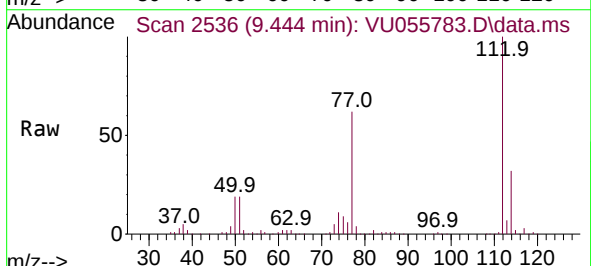
Tgt Ion:112 Resp: 537260

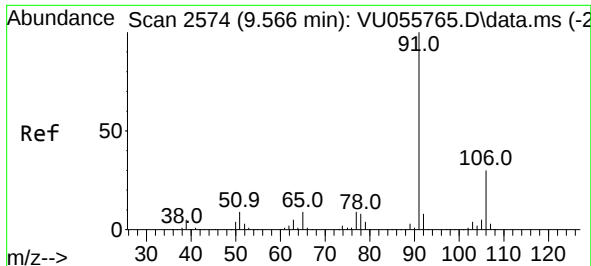
Ion Ratio Lower Upper

112 100

114 32.0 22.0 40.8

77 61.6 49.0 73.6

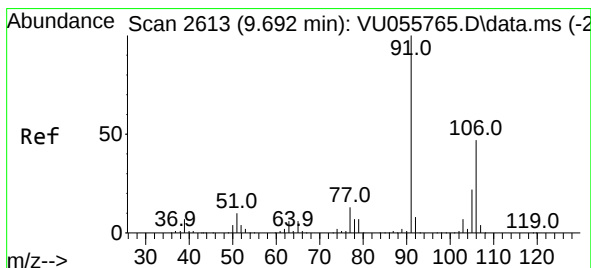
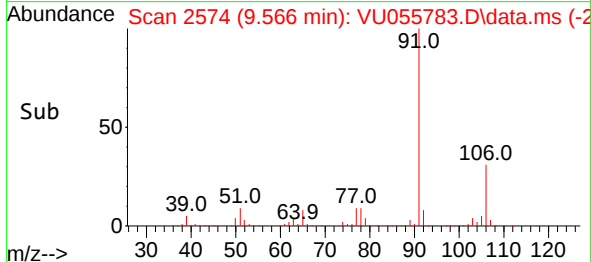
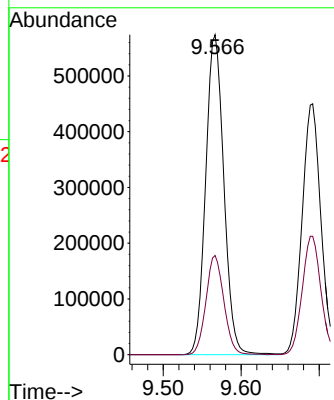
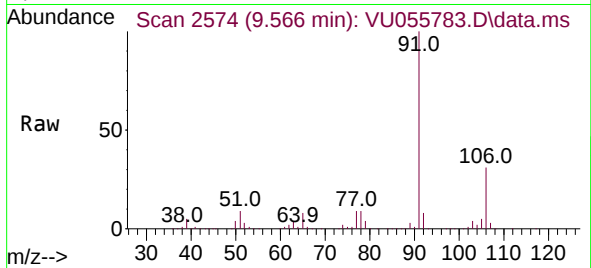




#52
Ethylbenzene
Concen: 53.304 ug/L
RT: 9.566 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU055783.D
Acq: 16 Oct 2023 19:38

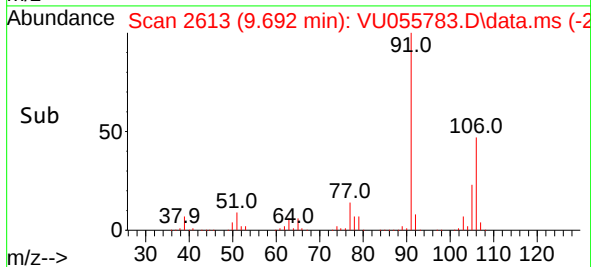
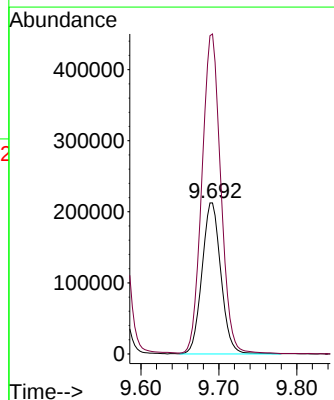
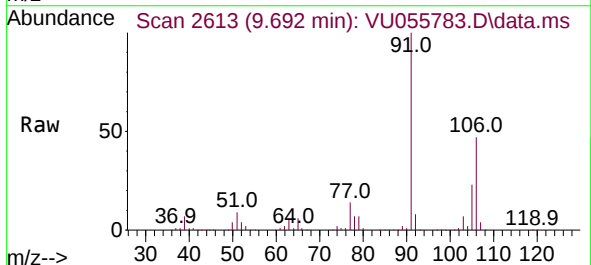
Instrument :
MSVOA_U
ClientSampleId :

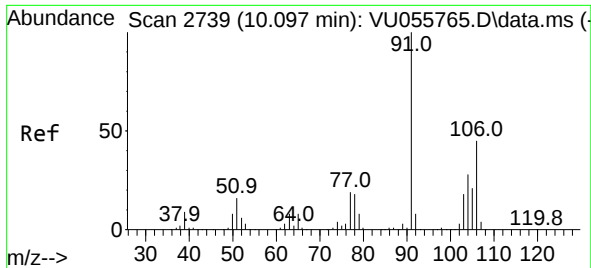
Tgt Ion: 91 Resp: 927831
Ion Ratio Lower Upper
91 100
106 31.0 21.2 39.4



#53
m,p-Xylene
Concen: 54.931 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.000 min
Lab File: VU055783.D
Acq: 16 Oct 2023 19:38

Tgt Ion: 106 Resp: 358214
Ion Ratio Lower Upper
106 100
91 211.9 143.8 267.0

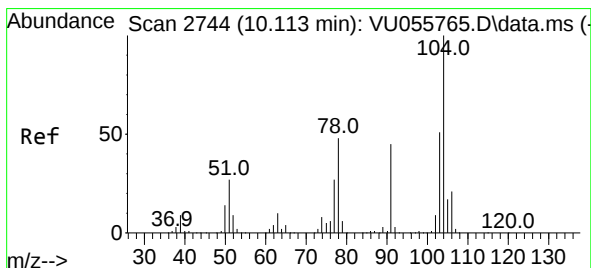
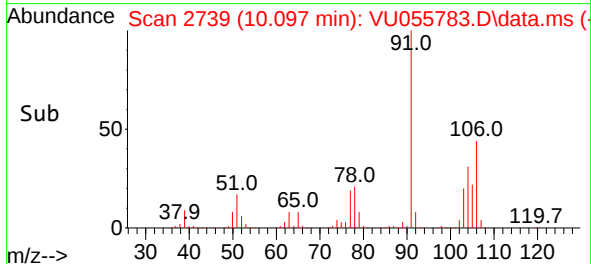
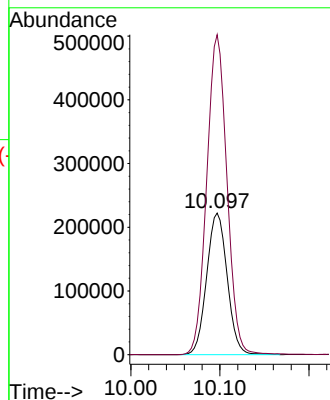
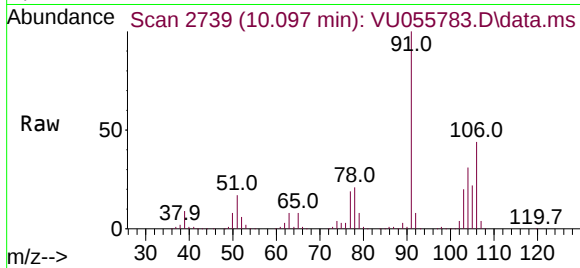




#54
o-Xylene
Concen: 56.371 ug/L
RT: 10.097 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU055783.D
Acq: 16 Oct 2023 19:38

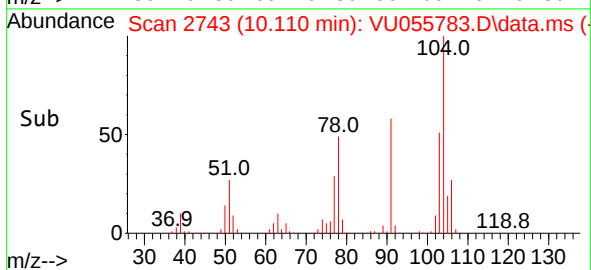
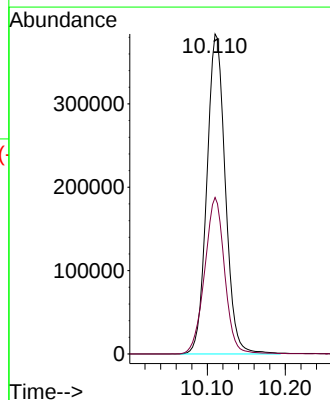
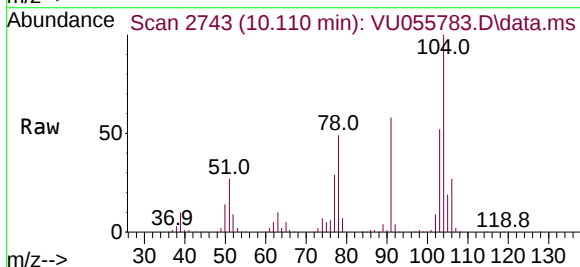
Instrument :
MSVOA_U
ClientSampleId :

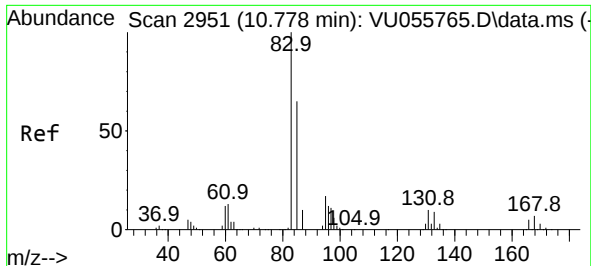
Tgt Ion:106 Resp: 355726
Ion Ratio Lower Upper
106 100
91 226.0 151.8 282.0



#55
Styrene
Concen: 59.202 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. -0.003 min
Lab File: VU055783.D
Acq: 16 Oct 2023 19:38

Tgt Ion:104 Resp: 632877
Ion Ratio Lower Upper
104 100
78 48.9 33.6 62.4





#57

1,1,2,2-Tetrachloroethane

Concen: 55.646 ug/L

RT: 10.779 min Scan# 2951

Delta R.T. 0.000 min

Lab File: VU055783.D

Acq: 16 Oct 2023 19:38

Instrument :

MSVOA_U

ClientSampleId :

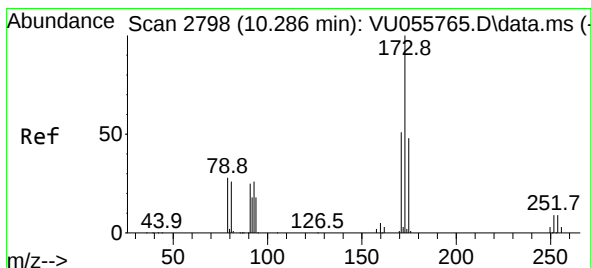
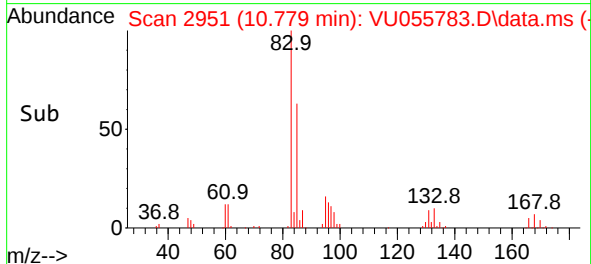
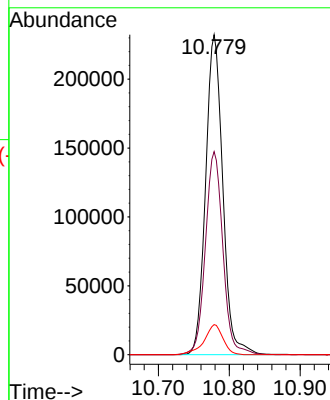
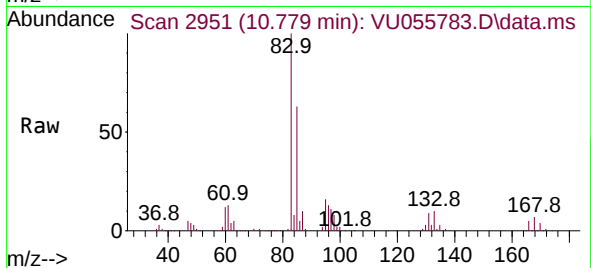
Tgt Ion: 83 Resp: 390363

Ion Ratio Lower Upper

83 100

85 63.5 44.9 83.5

131 9.4 7.3 10.9



#59

Bromoform

Concen: 52.717 ug/L

RT: 10.287 min Scan# 2798

Delta R.T. 0.000 min

Lab File: VU055783.D

Acq: 16 Oct 2023 19:38

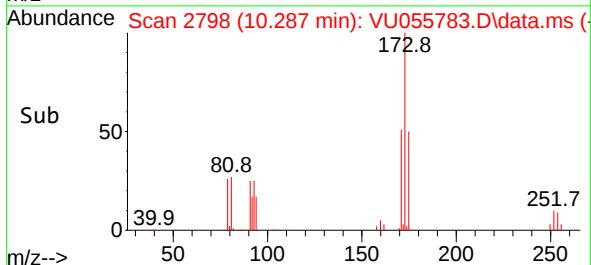
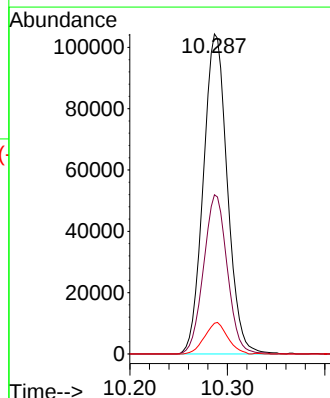
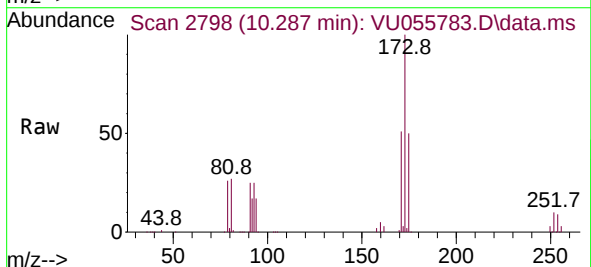
Tgt Ion:173 Resp: 178694

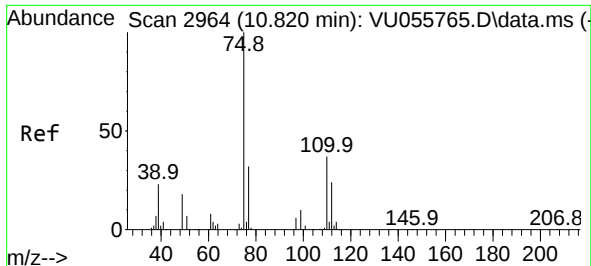
Ion Ratio Lower Upper

173 100

175 49.0 40.4 60.6

254 9.4 7.3 10.9

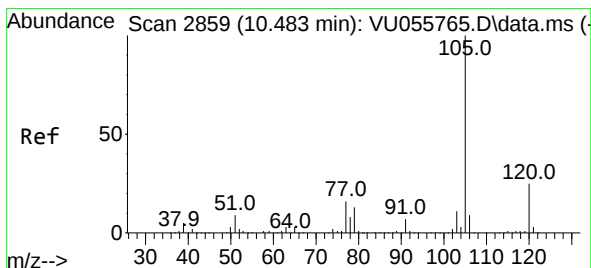
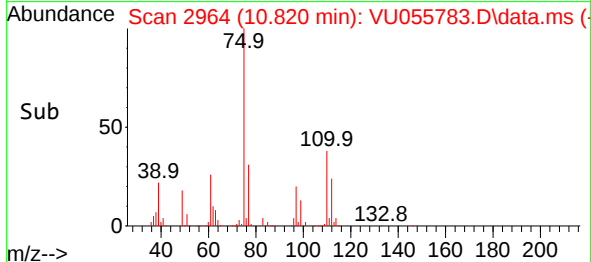
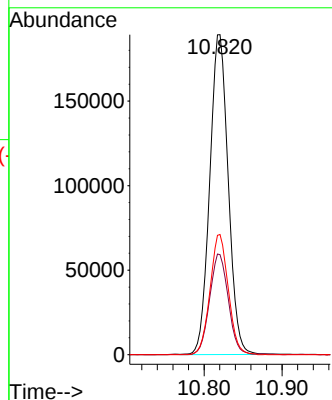
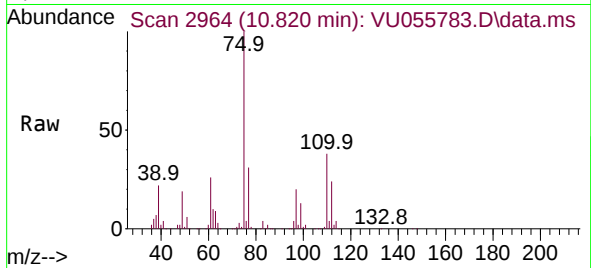




#60
1,2,3-Trichloropropane
Concen: 52.124 ug/L
RT: 10.820 min Scan# 2964
Delta R.T. 0.000 min
Lab File: VU055783.D
Acq: 16 Oct 2023 19:38

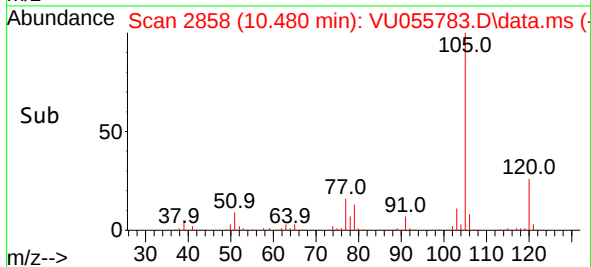
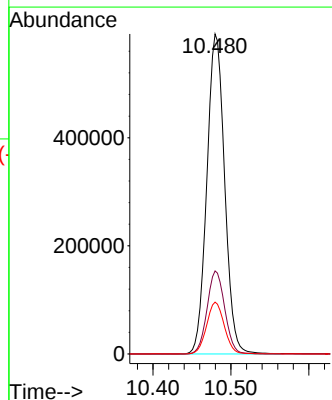
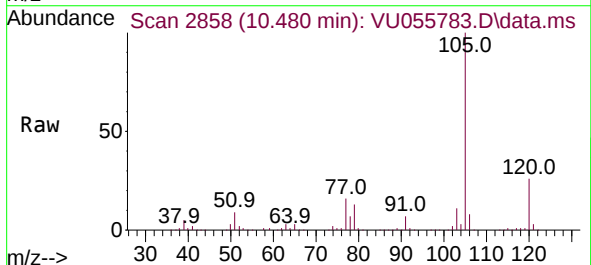
Instrument :
MSVOA_U
ClientSampleId :

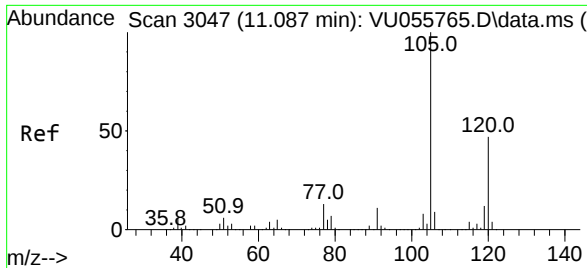
Tgt Ion: 75 Resp: 311499
Ion Ratio Lower Upper
75 100
77 31.6 25.8 38.8
110 37.1 28.5 42.7



#61
Isopropylbenzene
Concen: 54.741 ug/L
RT: 10.480 min Scan# 2858
Delta R.T. -0.003 min
Lab File: VU055783.D
Acq: 16 Oct 2023 19:38

Tgt Ion: 105 Resp: 939692
Ion Ratio Lower Upper
105 100
120 25.8 20.6 30.8
77 16.1 13.4 20.0

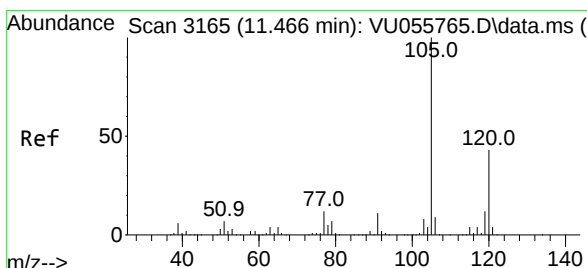
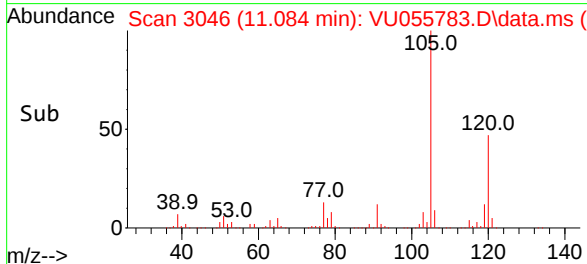
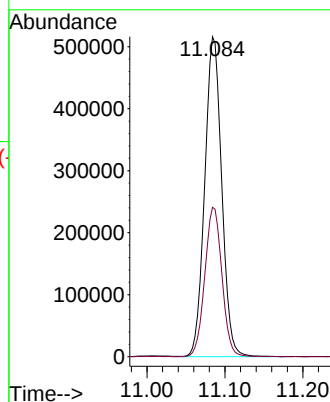
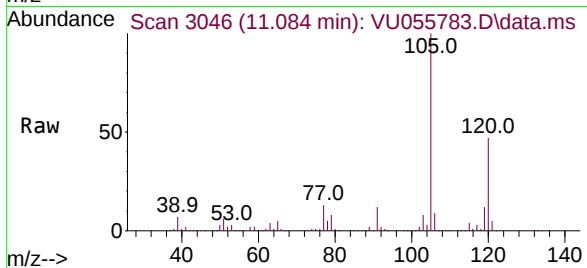




#62
 1,3,5-Trimethylbenzene
 Concen: 56.293 ug/L
 RT: 11.084 min Scan# 3047
 Delta R.T. -0.003 min
 Lab File: VU055783.D
 Acq: 16 Oct 2023 19:38

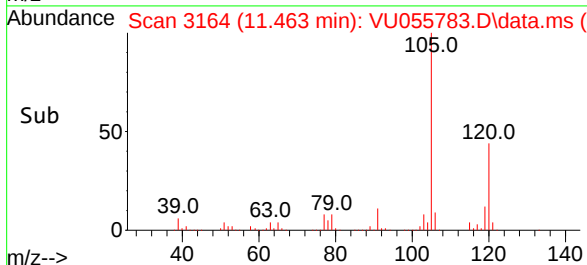
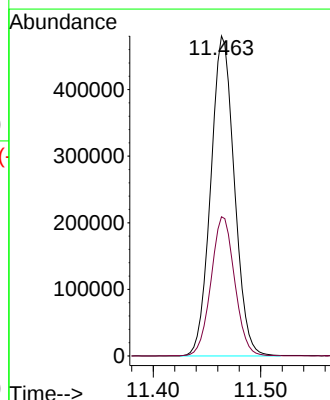
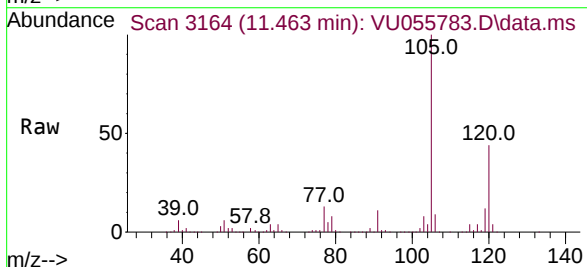
Instrument :
 MSVOA_U
 ClientSampleId :

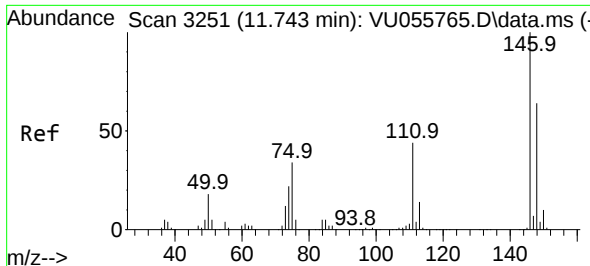
Tgt Ion:105 Resp: 781921
 Ion Ratio Lower Upper
 105 100
 120 46.9 37.7 56.5



#63
 1,2,4-Trimethylbenzene
 Concen: 53.394 ug/L
 RT: 11.463 min Scan# 3164
 Delta R.T. -0.003 min
 Lab File: VU055783.D
 Acq: 16 Oct 2023 19:38

Tgt Ion:105 Resp: 733361
 Ion Ratio Lower Upper
 105 100
 120 43.6 35.0 52.4

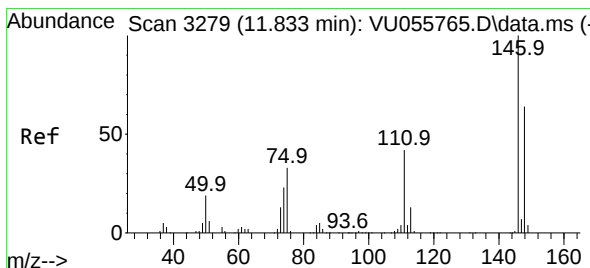
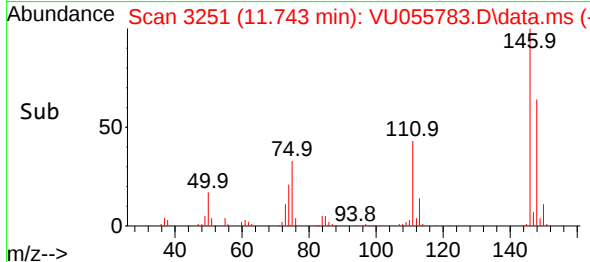
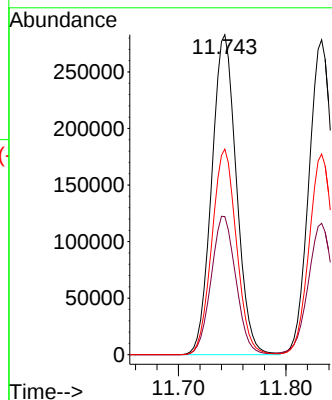
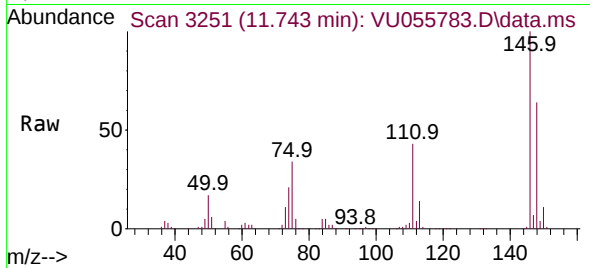




#64
1,3-Dichlorobenzene
Concen: 53.272 ug/L
RT: 11.743 min Scan# 3251
Delta R.T. 0.000 min
Lab File: VU055783.D
Acq: 16 Oct 2023 19:38

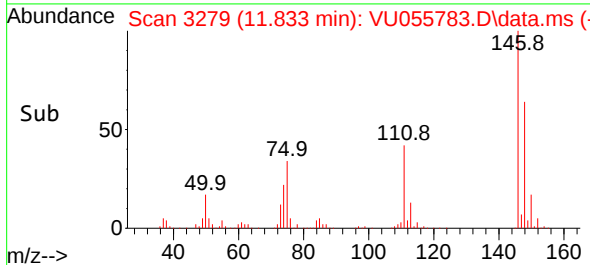
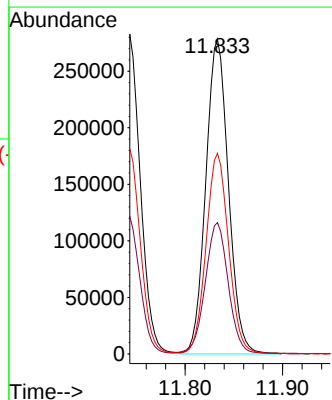
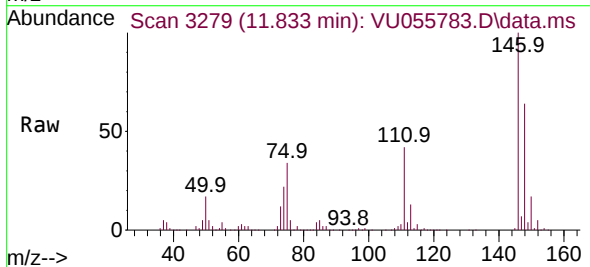
Instrument :
MSVOA_U
ClientSampleId :

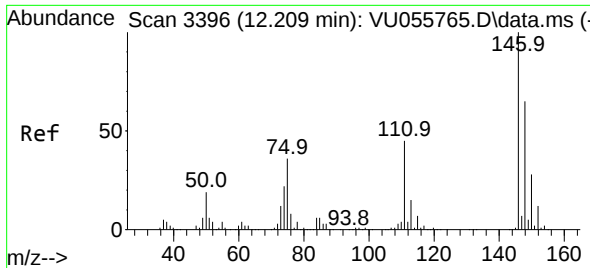
Tgt Ion:146 Resp: 452061
Ion Ratio Lower Upper
146 100
111 43.1 29.7 55.1
148 64.2 45.0 83.6



#65
1,4-Dichlorobenzene
Concen: 51.570 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.000 min
Lab File: VU055783.D
Acq: 16 Oct 2023 19:38

Tgt Ion:146 Resp: 449927
Ion Ratio Lower Upper
146 100
111 41.7 28.6 53.0
148 63.7 44.2 82.0

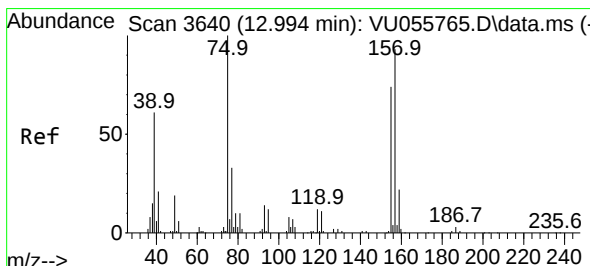
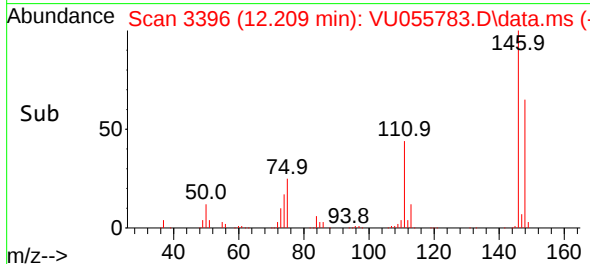
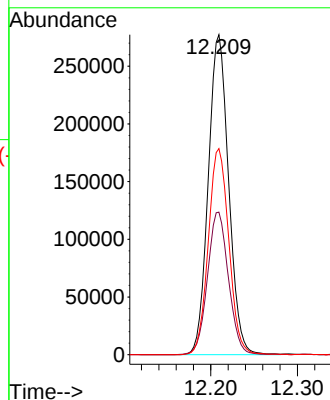
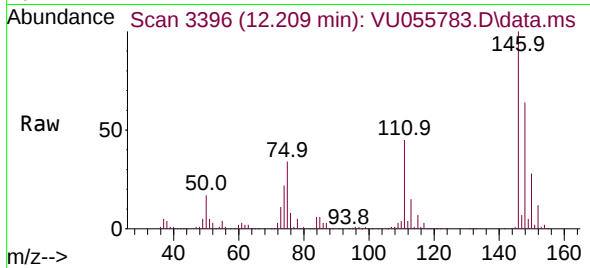




#67
1,2-Dichlorobenzene
Concen: 53.820 ug/L
RT: 12.209 min Scan# 3396
Delta R.T. 0.000 min
Lab File: VU055783.D
Acq: 16 Oct 2023 19:38

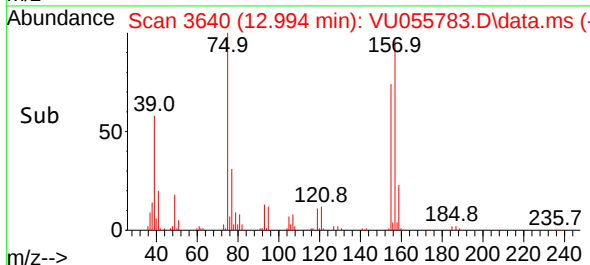
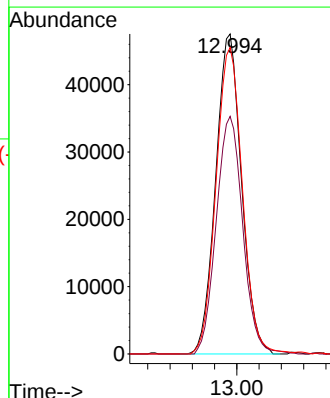
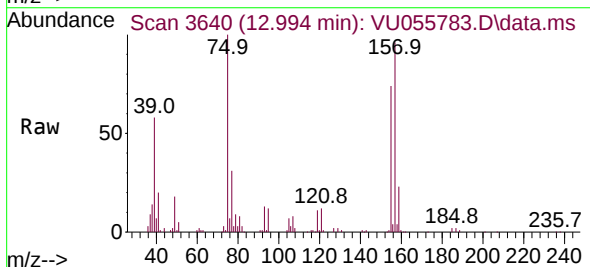
Instrument :
MSVOA_U
ClientSampleId :

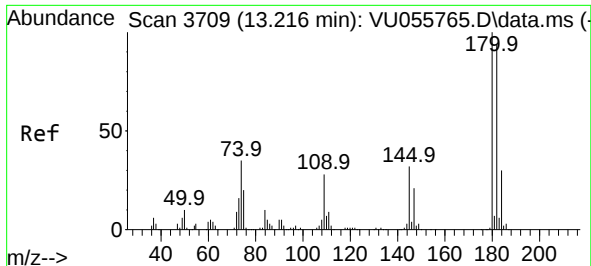
Tgt Ion:146 Resp: 453231
Ion Ratio Lower Upper
146 100
111 44.5 35.2 52.8
148 64.4 52.3 78.5



#68
1,2-Dibromo-3-chloropropane
Concen: 42.802 ug/L
RT: 12.994 min Scan# 3640
Delta R.T. 0.000 min
Lab File: VU055783.D
Acq: 16 Oct 2023 19:38

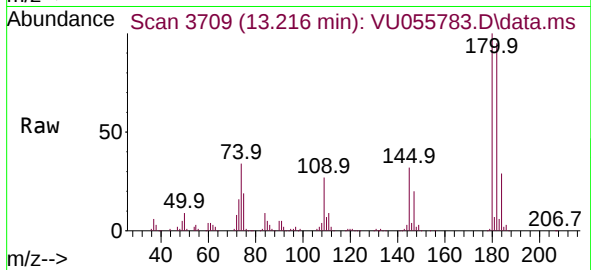
Tgt Ion: 75 Resp: 76471
Ion Ratio Lower Upper
75 100
155 78.1 59.6 89.4
157 95.8 77.7 116.5



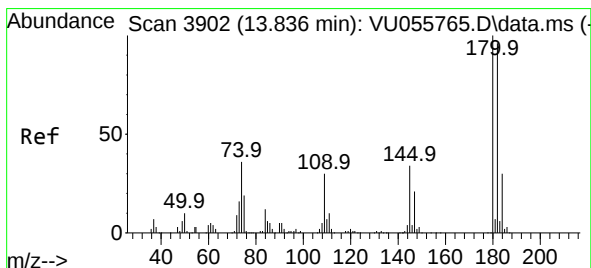
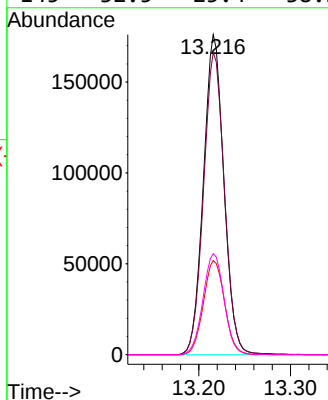
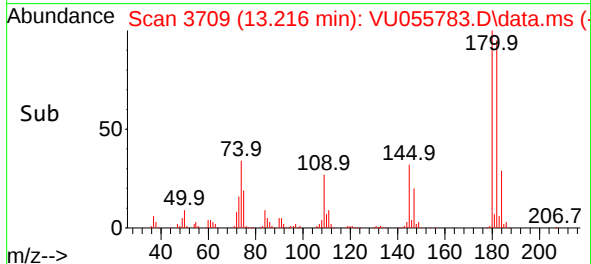


#69
 1,3,5-Trichlorobenzene
 Concen: 48.150 ug/L
 RT: 13.216 min Scan# 3709
 Delta R.T. 0.000 min
 Lab File: VU055783.D
 Acq: 16 Oct 2023 19:38

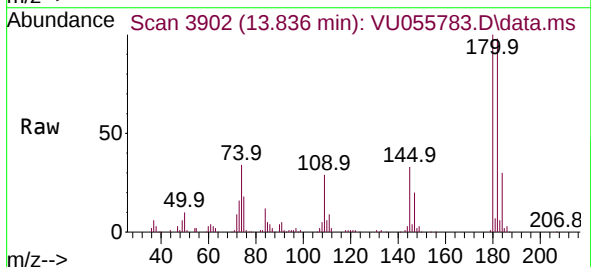
Instrument :
 MSVOA_U
 ClientSampleId :



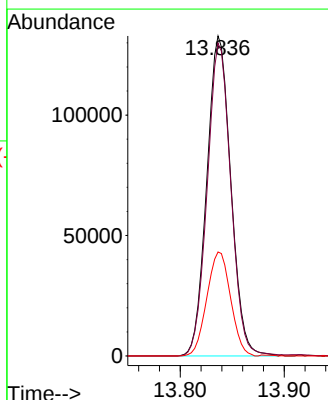
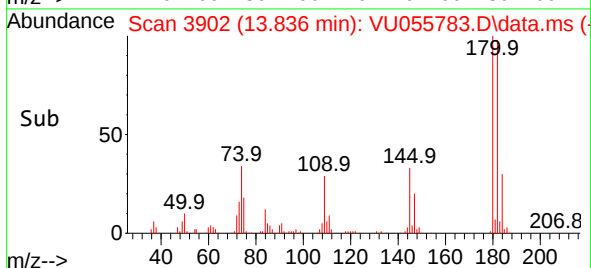
Tgt Ion:180 Resp: 272541
 Ion Ratio Lower Upper
 180 100
 182 96.4 76.2 114.2
 184 30.4 23.9 35.9
 145 32.5 25.4 38.2

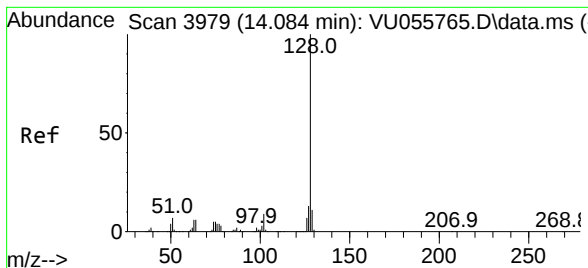


#70
 1,2,4-trichlorobenzene
 Concen: 45.287 ug/L
 RT: 13.836 min Scan# 3902
 Delta R.T. 0.000 min
 Lab File: VU055783.D
 Acq: 16 Oct 2023 19:38



Tgt Ion:180 Resp: 213519
 Ion Ratio Lower Upper
 180 100
 182 96.0 75.4 113.2
 145 32.0 26.1 39.1





#71

Naphthalene

Concen: 43.840 ug/L

RT: 14.084 min Scan# 3979

Delta R.T. 0.000 min

Lab File: VU055783.D

Acq: 16 Oct 2023 19:38

Instrument :

MSVOA_U

ClientSampleId :

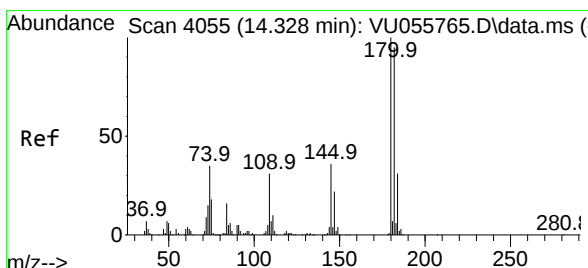
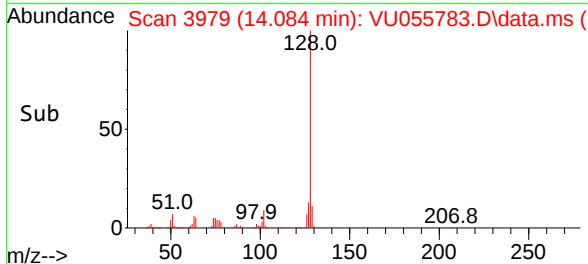
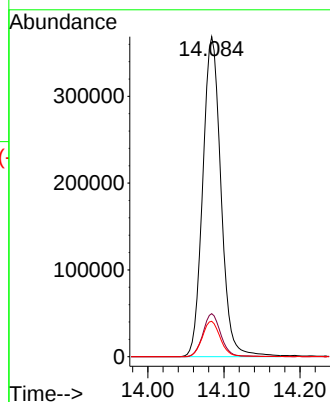
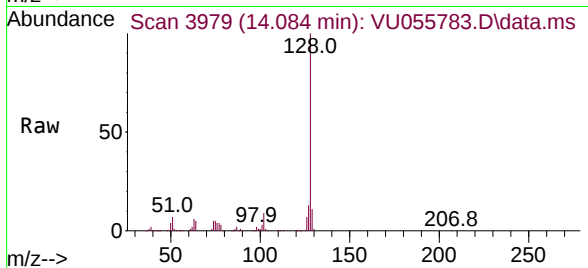
Tgt Ion:128 Resp: 614000

Ion Ratio Lower Upper

128 100

127 13.2 10.6 16.0

129 11.0 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 46.800 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. -0.003 min

Lab File: VU055783.D

Acq: 16 Oct 2023 19:38

Tgt Ion:180 Resp: 217545

Ion Ratio Lower Upper

180 100

182 95.1 78.1 117.1

145 34.7 27.4 41.0

