

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101223\
 Data File : VU055757.D
 Acq On : 12 Oct 2023 10:32
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 12 22:14:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 12 01:53:31 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	455237	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	464340	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	253346	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	168057	41.157	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.320%
7) Chloroethane-d5	1.901	69	142483	42.688	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.380%
11) 1,1-Dichloroethene-d2	2.563	63	317264	43.576	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.160%
21) 2-Butanone-d5	4.612	46	271462	89.720	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.720%
24) Chloroform-d	5.058	84	359098	45.873	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.740%
26) 1,2-Dichloroethane-d4	5.695	65	227408	47.197	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.400%
32) Benzene-d6	5.721	84	674568	45.405	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.800%
36) 1,2-Dichloropropane-d6	6.685	67	211755	45.022	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.040%
41) Toluene-d8	7.894	98	619181	46.155	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.320%
43) trans-1,3-Dichloroprop...	8.177	79	103007	45.592	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.180%
47) 2-Hexanone-d5	8.627	63	171405	92.701	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.700%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	347491	47.999	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.000%
66) 1,2-Dichlorobenzene-d4	12.190	152	243299	48.394	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.780%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	188155	49.639	ug/L	100
3) Chloromethane	1.518	50	171059	47.693	ug/L	99
5) Vinyl chloride	1.602	62	189857	48.100	ug/L	97
6) Bromomethane	1.840	94	122888	48.701	ug/L	94
8) Chloroethane	1.924	64	121878	47.074	ug/L	99
9) Trichlorofluoromethane	2.133	101	287048	50.900	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	179349	49.451	ug/L	98
12) 1,1-Dichloroethene	2.576	96	154611	47.906	ug/L	95
13) Acetone	2.615	43	293237	104.437	ug/L	100
14) Carbon disulfide	2.788	76	429574	43.738	ug/L	98
15) Methyl Acetate	2.940	43	200489	46.625	ug/L	96
16) Methylene chloride	3.039	84	184828	47.224	ug/L	98
17) trans-1,2-Dichloroethene	3.348	96	159252	48.256	ug/L	97
18) Methyl tert-butyl Ether	3.354	73	532508	50.174	ug/L	99
19) 1,1-Dichloroethane	3.862	63	326608	48.260	ug/L	99
20) cis-1,2-Dichloroethene	4.660	96	185068	49.135	ug/L	97
22) 2-Butanone	4.692	43	335548	99.149	ug/L	100
23) Bromochloromethane	4.968	128	96733	49.591	ug/L	97
25) Chloroform	5.081	83	344542	48.734	ug/L	98

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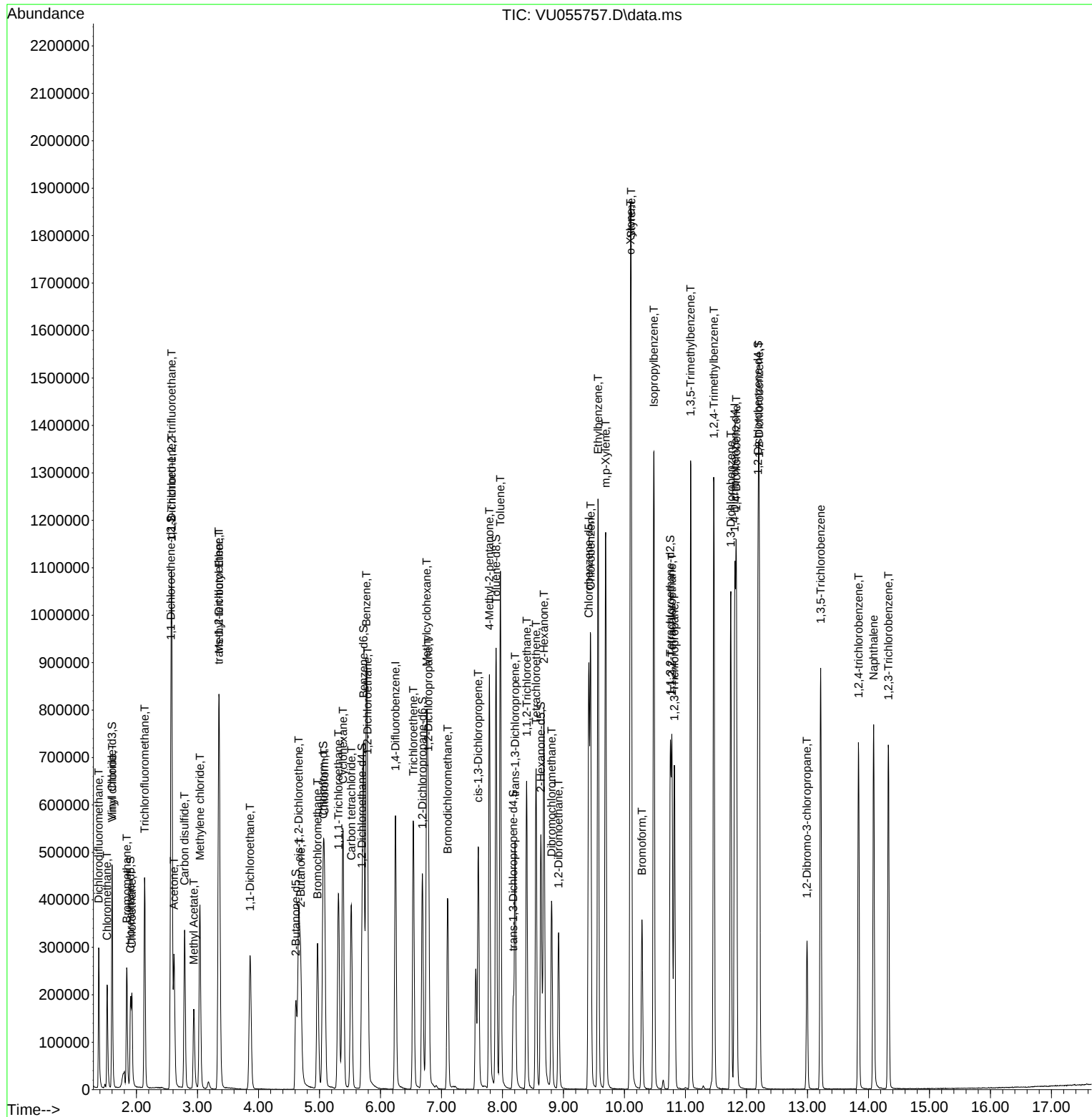
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	280909	49.679	ug/L	99
29) Cyclohexane	5.383	56	263235	49.459	ug/L	98
30) 1,1,1-Trichloroethane	5.312	97	298286	49.722	ug/L	99
31) Carbon tetrachloride	5.521	117	264720	50.413	ug/L	98
33) Benzene	5.769	78	732123	49.879	ug/L	100
34) Trichloroethene	6.538	95	199771	49.741	ug/L	99
35) Methylcyclohexane	6.759	83	293886	50.434	ug/L	100
37) 1,2-Dichloropropane	6.785	63	197455	48.853	ug/L	99
38) Bromodichloromethane	7.100	83	260375	48.850	ug/L	98
39) cis-1,3-Dichloropropene	7.602	75	308687	50.200	ug/L	98
40) 4-Methyl-2-pentanone	7.785	43	551788	98.132	ug/L	99
42) Toluene	7.965	91	784115	50.627	ug/L	98
44) trans-1,3-Dichloropropene	8.206	75	292916	49.786	ug/L	97
45) 1,1,2-Trichloroethane	8.396	97	198416	49.785	ug/L	99
46) Tetrachloroethene	8.550	164	140920	49.007	ug/L	97
48) 2-Hexanone	8.679	43	497836	104.819	ug/L	99
49) Dibromochloromethane	8.804	129	201538	49.491	ug/L	99
50) 1,2-Dibromoethane	8.920	107	214096	50.014	ug/L	99
51) Chlorobenzene	9.444	112	498664	49.762	ug/L	99
52) Ethylbenzene	9.566	91	859119	50.737	ug/L	99
53) m,p-Xylene	9.692	106	335168	52.835	ug/L	98
54) o-Xylene	10.097	106	323322	52.669	ug/L	97
55) Styrene	10.110	104	557702	53.629	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.778	83	347493	50.920	ug/L	99
59) Bromoform	10.287	173	156574	50.204	ug/L	97
60) 1,2,3-Trichloropropane	10.817	75	285425	51.911	ug/L	99
61) Isopropylbenzene	10.483	105	861691	54.559	ug/L	100
62) 1,3,5-Trimethylbenzene	11.084	105	712718	55.769	ug/L	99
63) 1,2,4-Trimethylbenzene	11.467	105	702871	55.620	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	408284	52.293	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	413229	51.478	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	408913	52.776	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.991	75	80931	49.234	ug/L	97
69) 1,3,5-Trichlorobenzene	13.216	180	261395	50.193	ug/L	100
70) 1,2,4-trichlorobenzene	13.836	180	206361	47.572	ug/L	99
71) Naphthalene	14.084	128	611760	47.475	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	210818	49.293	ug/L	96

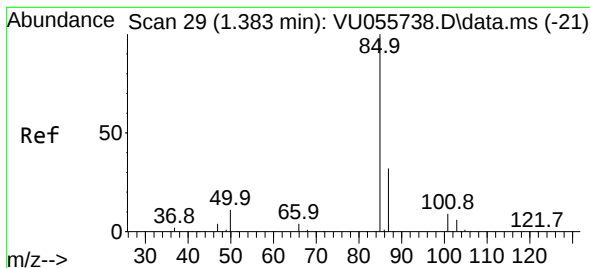
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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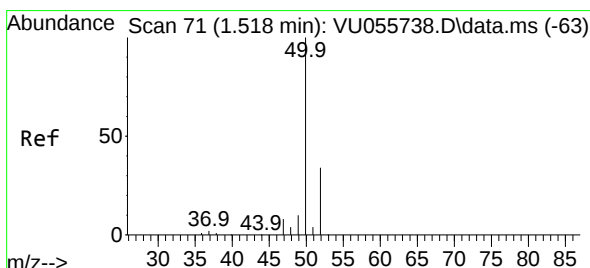
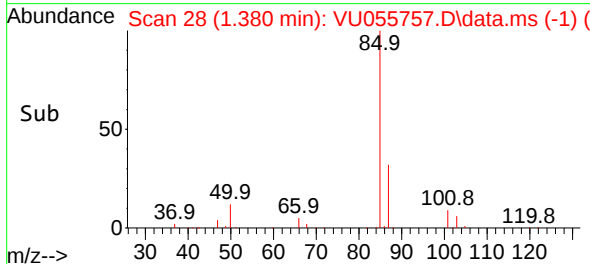
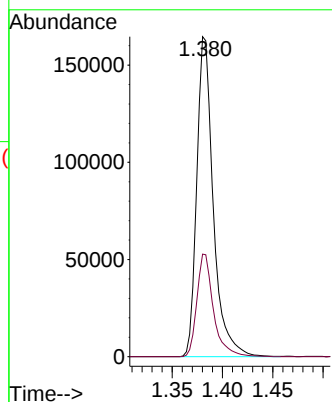
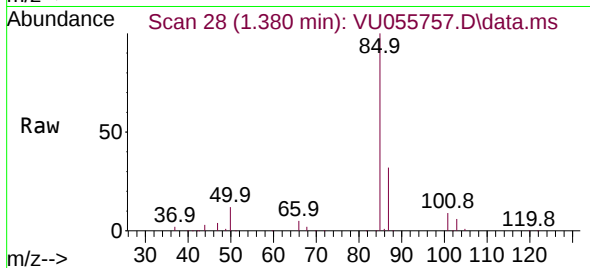




#2
 Dichlorodifluoromethane
 Concen: 49.639 ug/L
 RT: 1.380 min Scan# 29
 Delta R.T. -0.003 min
 Lab File: VU055757.D
 Acq: 12 Oct 2023 10:32

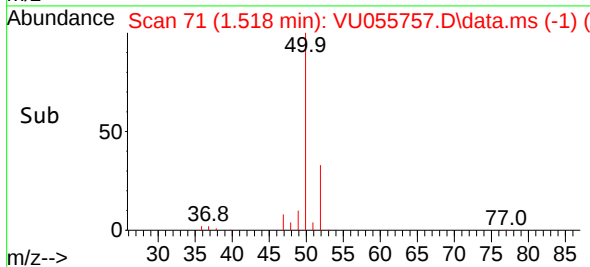
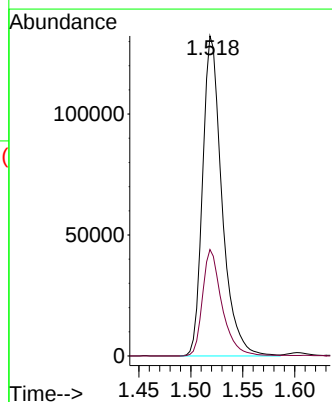
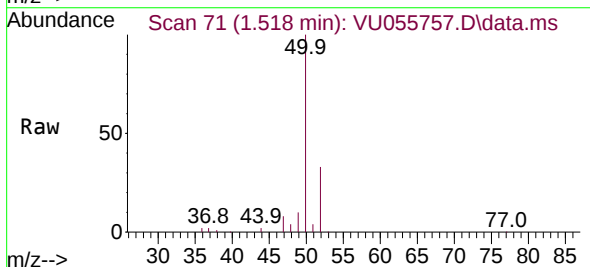
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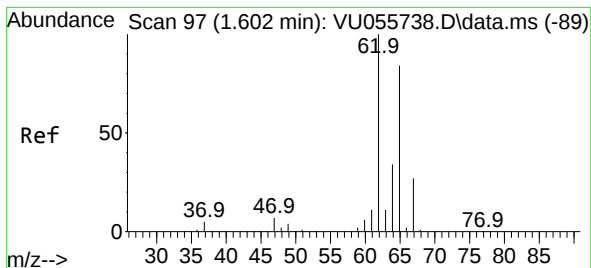
Tgt Ion: 85 Resp: 188155
 Ion Ratio Lower Upper
 85 100
 87 32.2 26.0 39.0



#3
 Chloromethane
 Concen: 47.693 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VU055757.D
 Acq: 12 Oct 2023 10:32

Tgt Ion: 50 Resp: 171059
 Ion Ratio Lower Upper
 50 100
 52 33.3 22.8 42.4





#5

Vinyl chloride

Concen: 48.100 ug/L

RT: 1.602 min Scan# 91

Delta R.T. -0.000 min

Lab File: VU055757.D

Acq: 12 Oct 2023 10:32

Instrument :

MSVOA_U

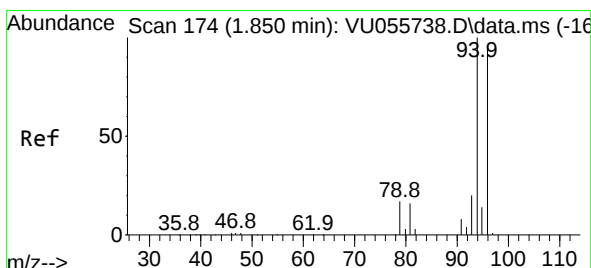
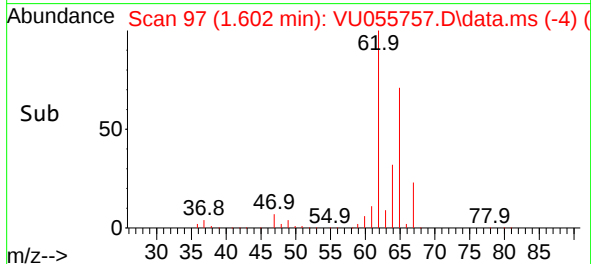
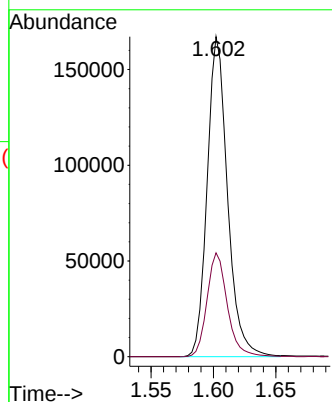
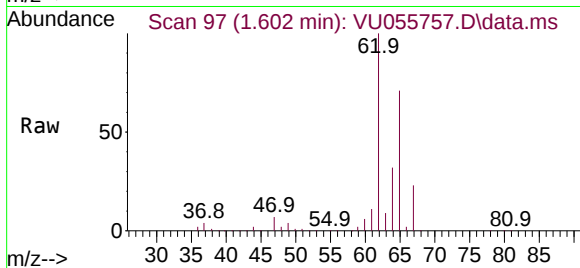
ClientSampleId :

Tgt Ion: 62 Resp: 189857

Ion Ratio Lower Upper

62 100

64 32.5 23.9 44.5



#6

Bromomethane

Concen: 48.701 ug/L

RT: 1.840 min Scan# 171

Delta R.T. -0.010 min

Lab File: VU055757.D

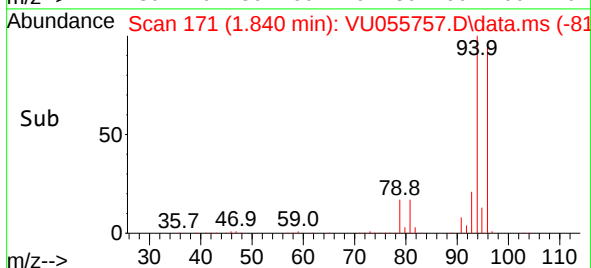
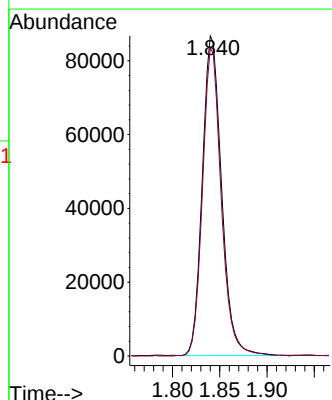
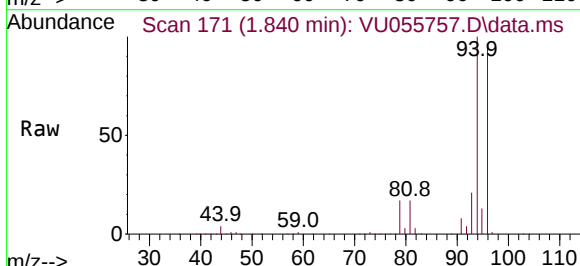
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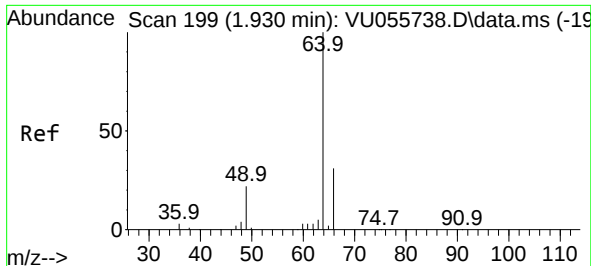
Tgt Ion: 94 Resp: 122888

Ion Ratio Lower Upper

94 100

96 96.3 63.5 117.9

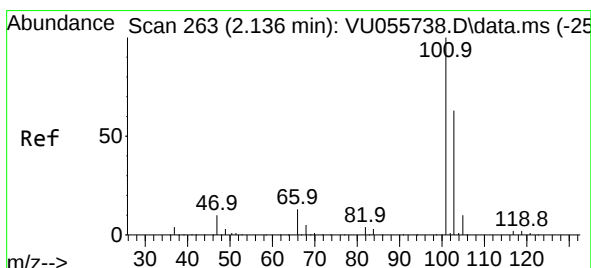
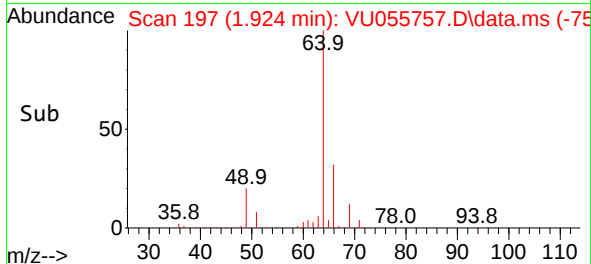
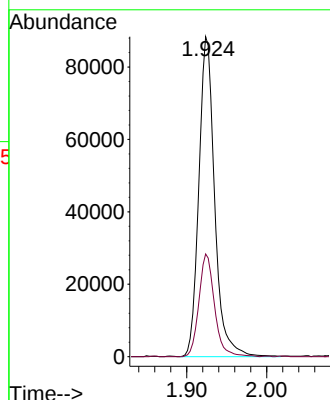
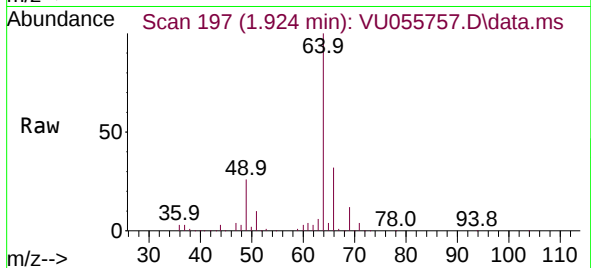




#8
Chloroethane
Concen: 47.074 ug/L
RT: 1.924 min Scan# 19
Delta R.T. -0.006 min
Lab File: VU055757.D
Acq: 12 Oct 2023 10:32

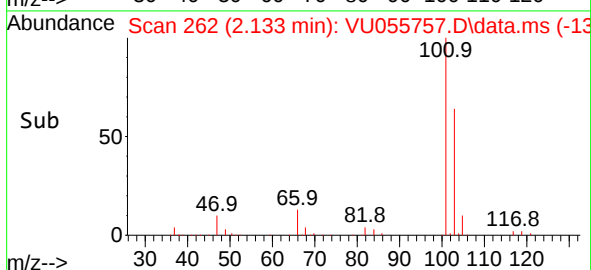
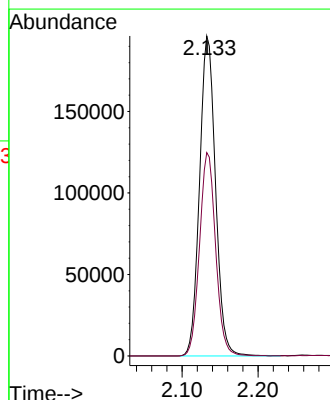
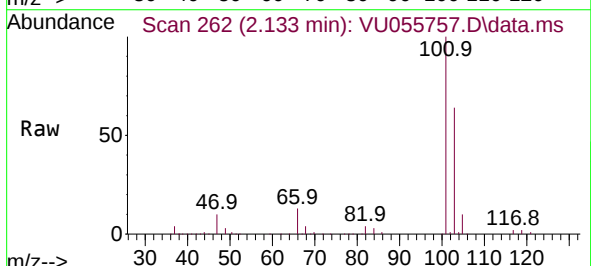
Instrument :
MSVOA_U
ClientSampleId :

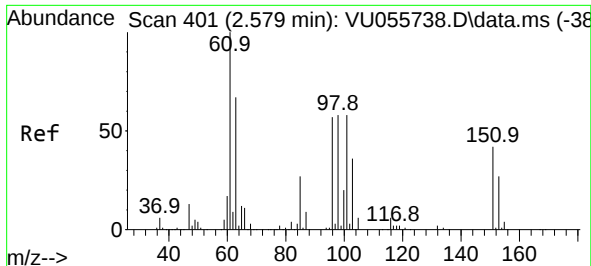
Tgt Ion: 64 Resp: 121878
Ion Ratio Lower Upper
64 100
66 32.1 22.9 42.5



#9
Trichlorofluoromethane
Concen: 50.900 ug/L
RT: 2.133 min Scan# 262
Delta R.T. -0.003 min
Lab File: VU055757.D
Acq: 12 Oct 2023 10:32

Tgt Ion:101 Resp: 287048
Ion Ratio Lower Upper
101 100
103 63.9 51.3 76.9

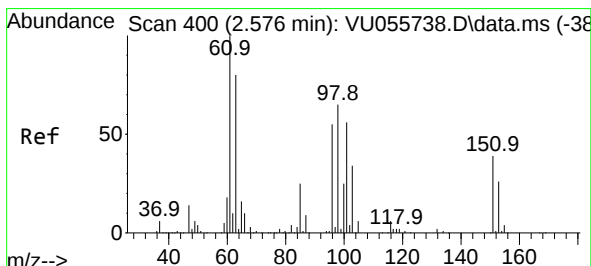
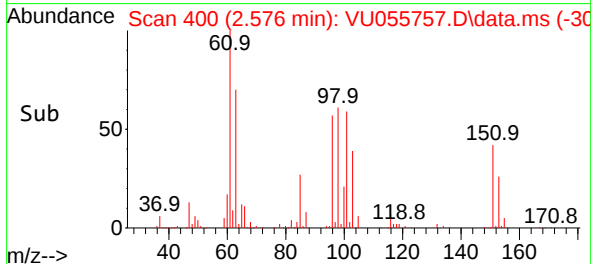
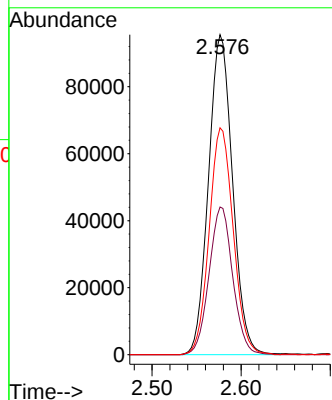
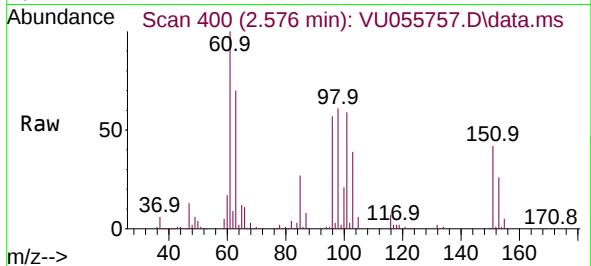




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 49.451 ug/L
 RT: 2.576 min Scan# 401
 Delta R.T. -0.003 min
 Lab File: VU055757.D
 Acq: 12 Oct 2023 10:32

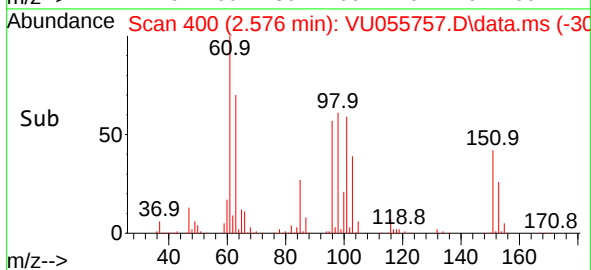
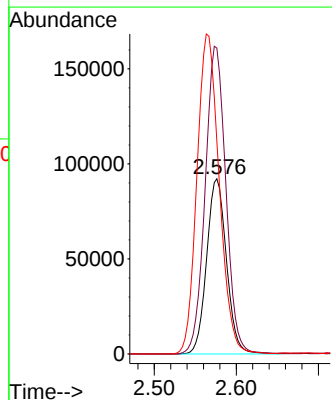
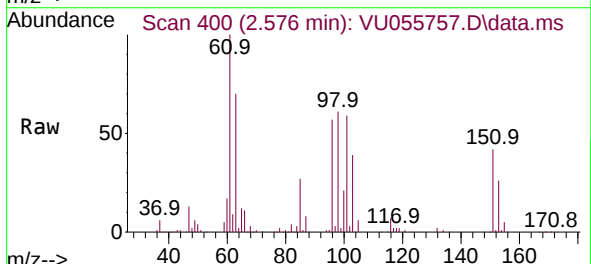
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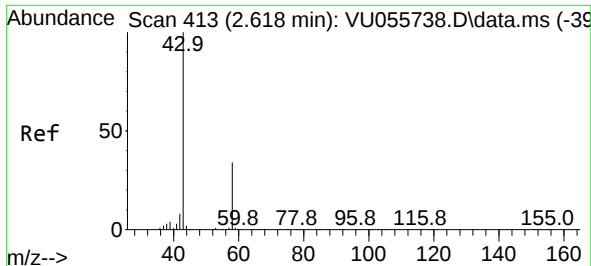
Tgt Ion:101 Resp: 179349
 Ion Ratio Lower Upper
 101 100
 85 45.4 37.1 55.7
 151 71.0 58.2 87.4



#12
 1,1-Dichloroethene
 Concen: 47.906 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VU055757.D
 Acq: 12 Oct 2023 10:32

Tgt Ion: 96 Resp: 154611
 Ion Ratio Lower Upper
 96 100
 61 174.5 122.0 226.6
 63 121.5 93.7 174.1

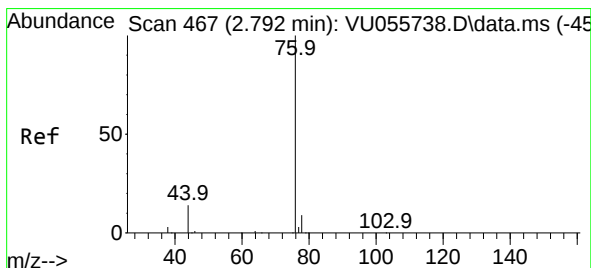
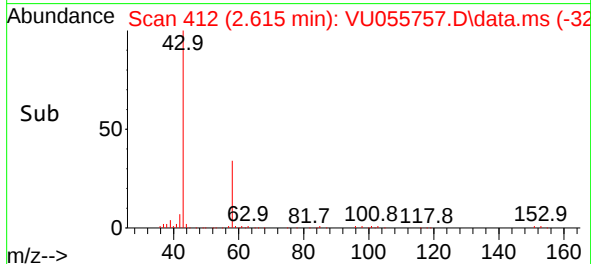
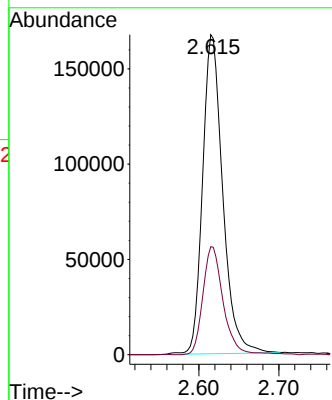
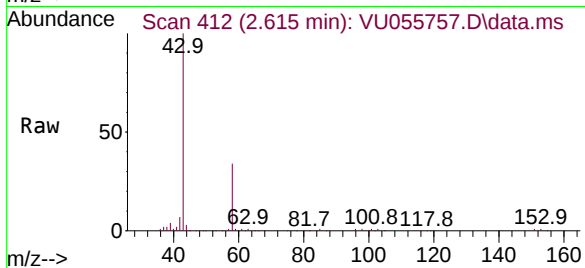




#13
Acetone
Concen: 104.437 ug/L
RT: 2.615 min Scan# 413
Delta R.T. -0.003 min
Lab File: VU055757.D
Acq: 12 Oct 2023 10:32

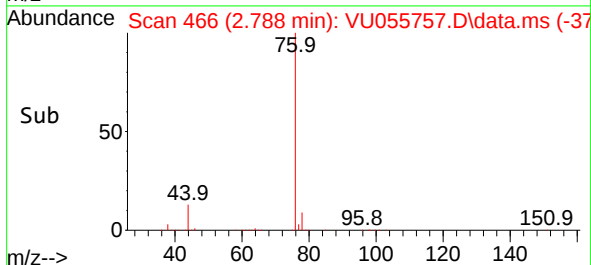
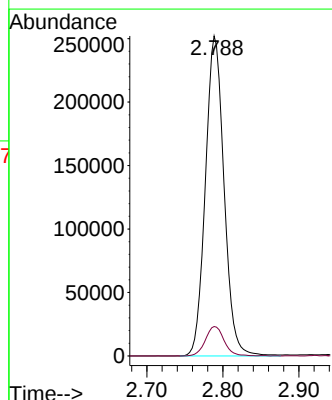
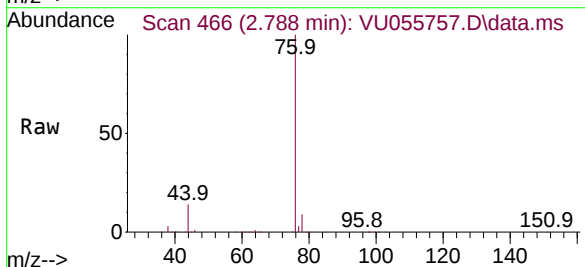
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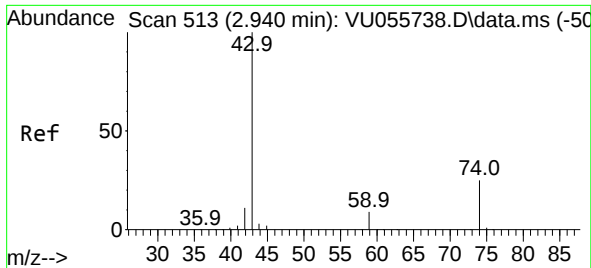
Tgt Ion: 43 Resp: 293237
Ion Ratio Lower Upper
43 100
58 33.7 0.0 67.4



#14
Carbon disulfide
Concen: 43.738 ug/L
RT: 2.788 min Scan# 466
Delta R.T. -0.003 min
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Tgt Ion: 76 Resp: 429574
Ion Ratio Lower Upper
76 100
78 9.2 6.8 10.2

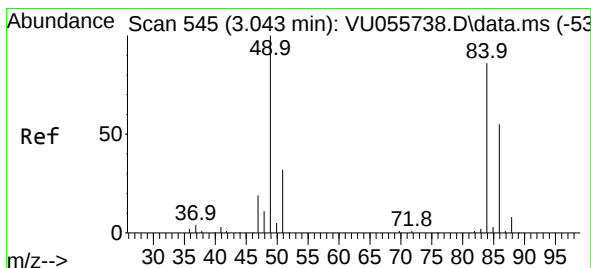
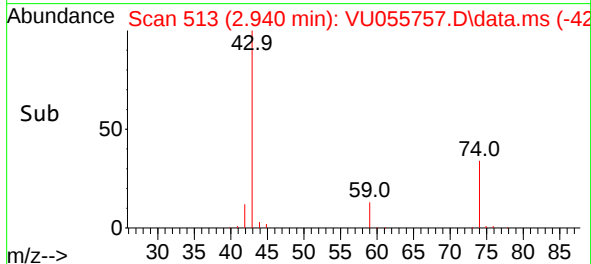
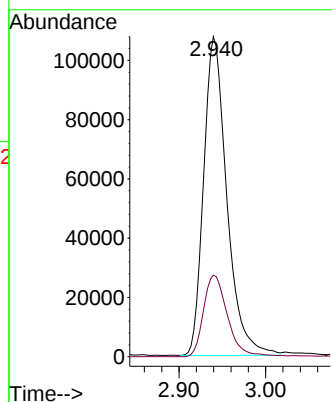
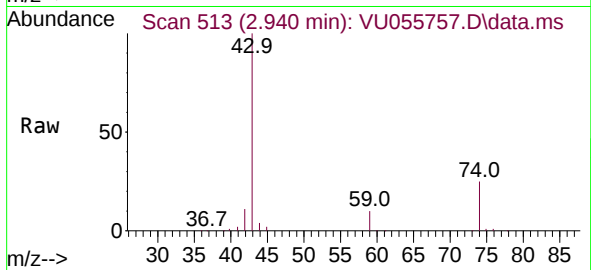




#15
Methyl Acetate
Concen: 46.625 ug/L
RT: 2.940 min Scan# 513
Delta R.T. -0.000 min
Lab File: VU055757.D
Acq: 12 Oct 2023 10:32

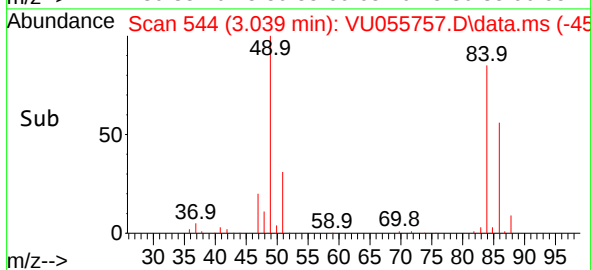
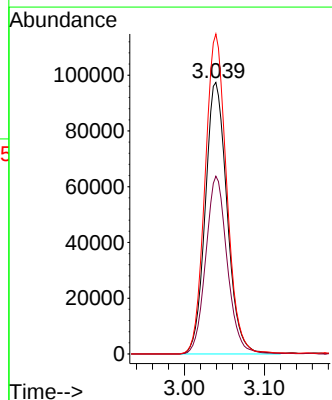
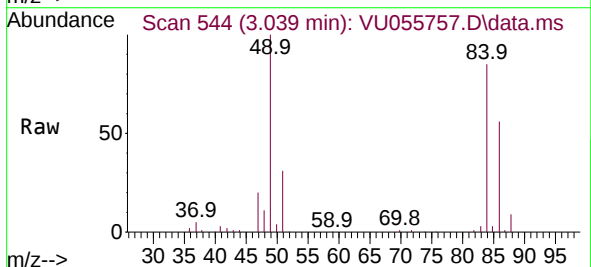
Instrument :
MSVOA_U
ClientSampleId :

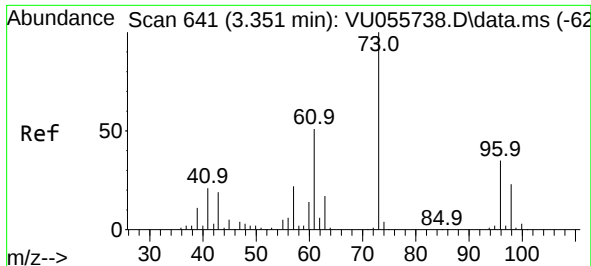
Tgt Ion: 43 Resp: 200489
Ion Ratio Lower Upper
43 100
74 26.4 19.5 29.3



#16
Methylene chloride
Concen: 47.224 ug/L
RT: 3.039 min Scan# 544
Delta R.T. -0.003 min
Lab File: VU055757.D
Acq: 12 Oct 2023 10:32

Tgt Ion: 84 Resp: 184828
Ion Ratio Lower Upper
84 100
86 65.5 46.3 86.1
49 117.9 84.8 157.6

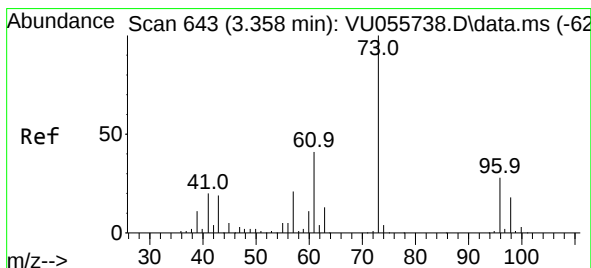
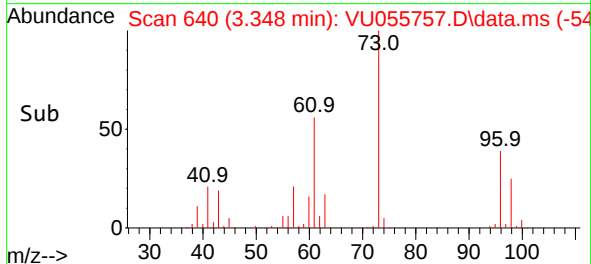
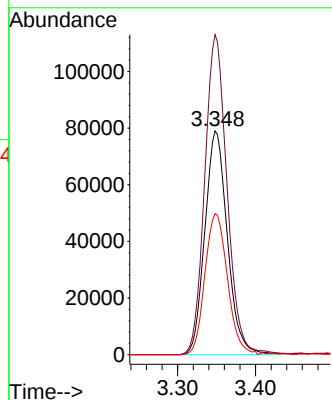
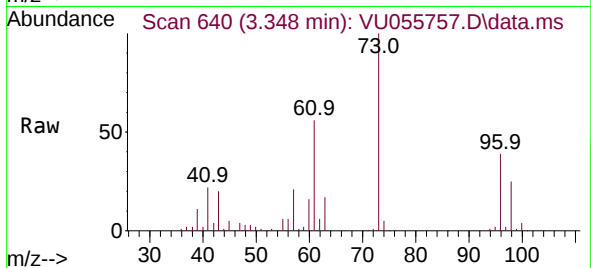




#17
trans-1,2-Dichloroethene
Concen: 48.256 ug/L
RT: 3.348 min Scan# 641
Delta R.T. -0.003 min
Lab File: VU055757.D
Acq: 12 Oct 2023 10:32

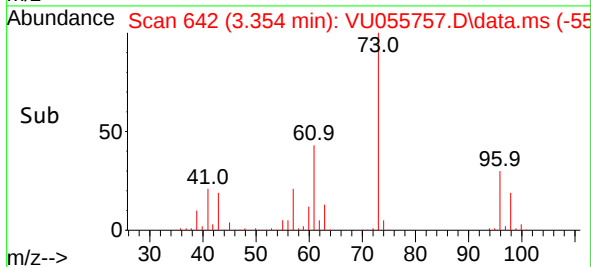
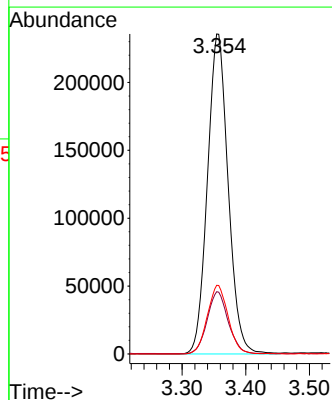
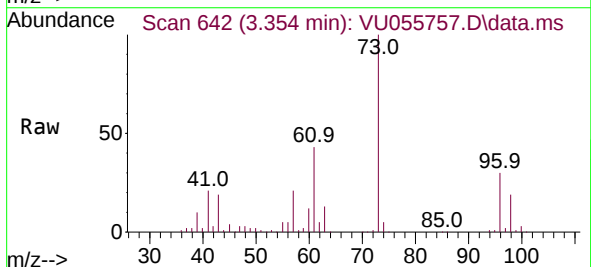
Instrument :
MSVOA_U
ClientSampleId :

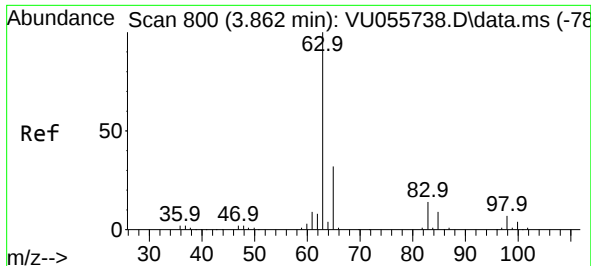
Tgt Ion: 96 Resp: 159252
Ion Ratio Lower Upper
96 100
61 143.0 102.1 189.7
98 63.1 46.3 86.1



#18
Methyl tert-butyl Ether
Concen: 50.174 ug/L
RT: 3.354 min Scan# 642
Delta R.T. -0.003 min
Lab File: VU055757.D
Acq: 12 Oct 2023 10:32

Tgt Ion: 73 Resp: 532508
Ion Ratio Lower Upper
73 100
43 19.5 15.4 23.2
57 21.6 17.7 26.5





#19

1,1-Dichloroethane

Concen: 48.260 ug/L

RT: 3.862 min Scan# 80

Delta R.T. -0.000 min

Lab File: VU055757.D

Acq: 12 Oct 2023 10:32

Instrument :

MSVOA_U

ClientSampleId :

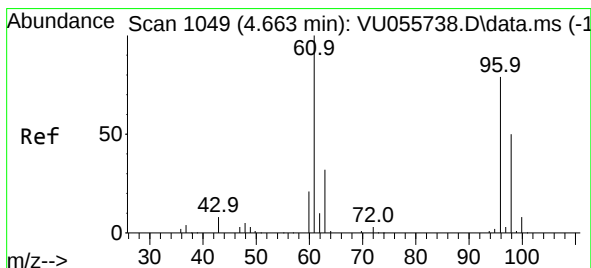
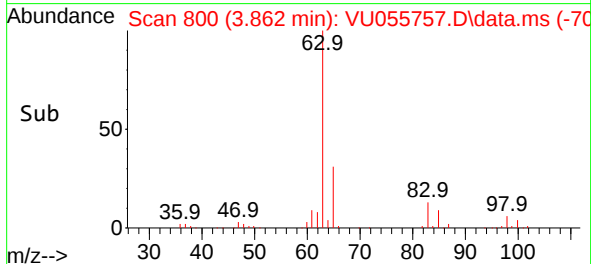
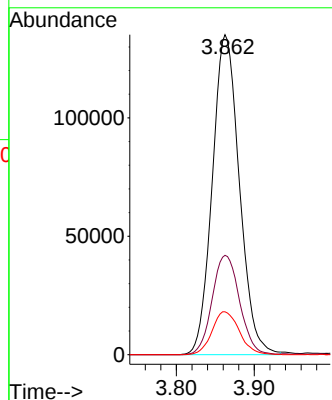
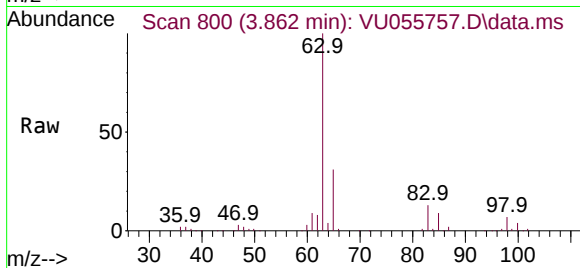
Tgt Ion: 63 Resp: 326608

Ion Ratio Lower Upper

63 100

65 31.0 22.3 41.5

83 13.4 9.5 17.7



#20

cis-1,2-Dichloroethene

Concen: 49.135 ug/L

RT: 4.660 min Scan# 1048

Delta R.T. -0.003 min

Lab File: VU055757.D

Acq: 12 Oct 2023 10:32

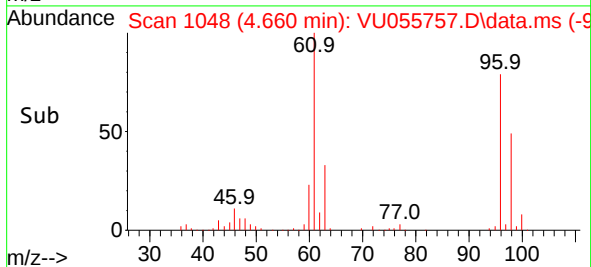
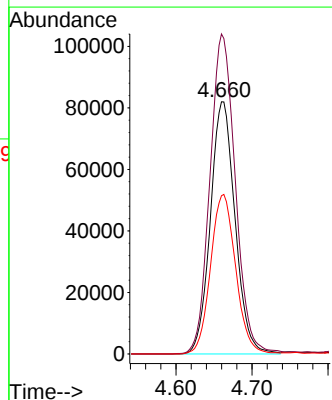
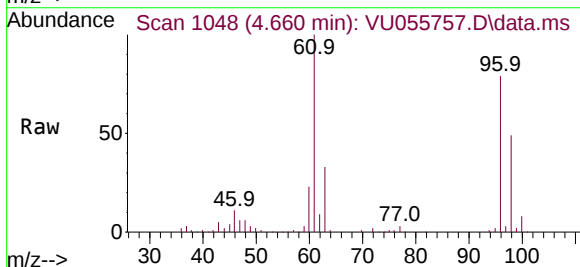
Tgt Ion: 96 Resp: 185068

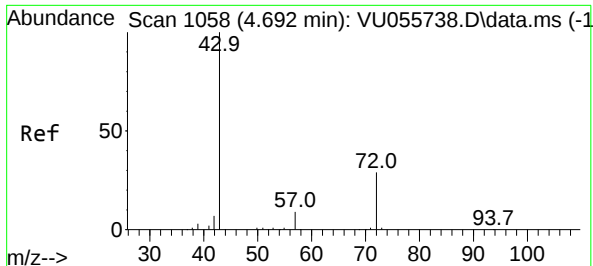
Ion Ratio Lower Upper

96 100

61 126.9 92.3 171.5

98 62.8 43.9 81.5





#22

2-Butanone

Concen: 99.149 ug/L

RT: 4.692 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VU055757.D

Acq: 12 Oct 2023 10:32

Instrument :

MSVOA_U

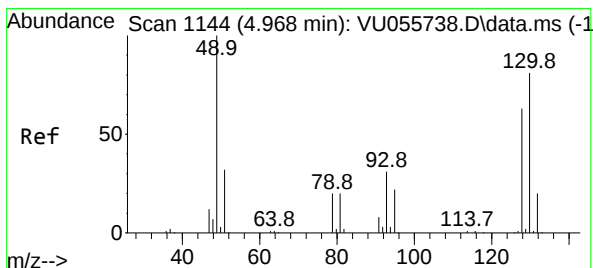
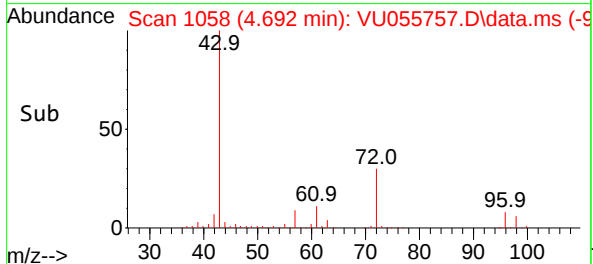
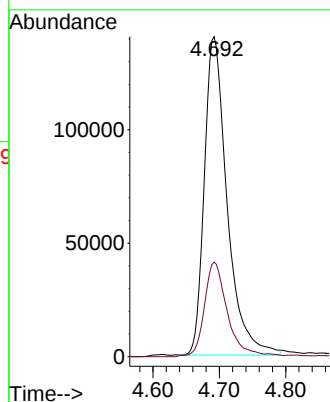
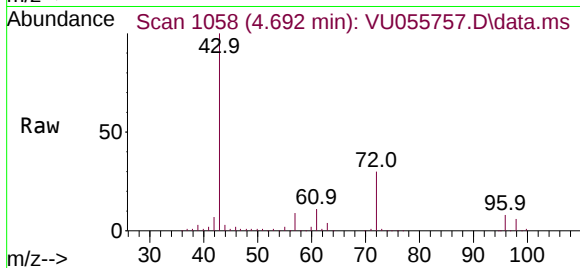
ClientSampleId :

Tgt Ion: 43 Resp: 335548

Ion Ratio Lower Upper

43 100

72 29.5 14.6 44.0



#23

Bromochloromethane

Concen: 49.591 ug/L

RT: 4.968 min Scan# 1144

Delta R.T. -0.000 min

Lab File: VU055757.D

Acq: 12 Oct 2023 10:32

Tgt Ion: 128 Resp: 96733

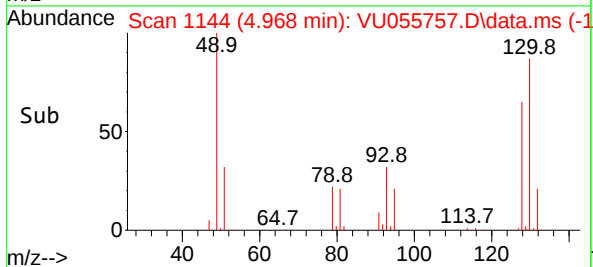
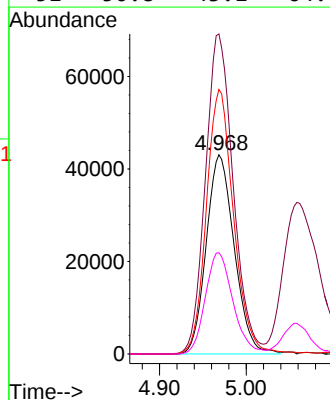
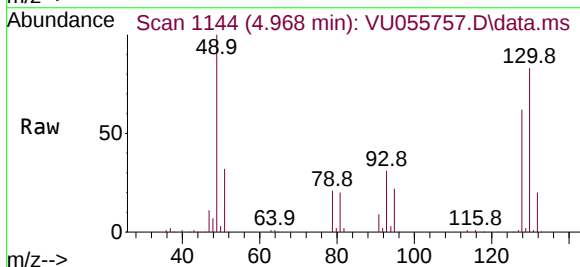
Ion Ratio Lower Upper

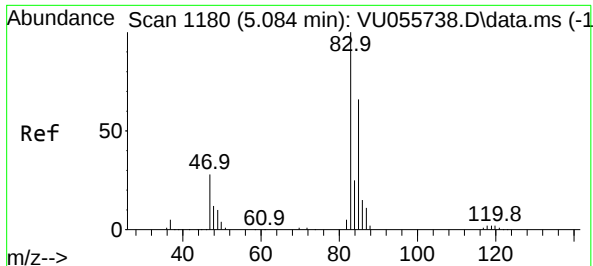
128 100

49 160.6 116.3 216.1

130 132.7 91.6 170.0

51 50.8 43.1 64.7





#25

Chloroform

Concen: 48.734 ug/L

RT: 5.081 min Scan# 1180

Delta R.T. -0.003 min

Lab File: VU055757.D

Acq: 12 Oct 2023 10:32

Instrument :

MSVOA_U

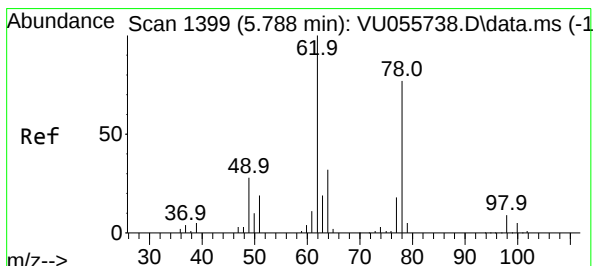
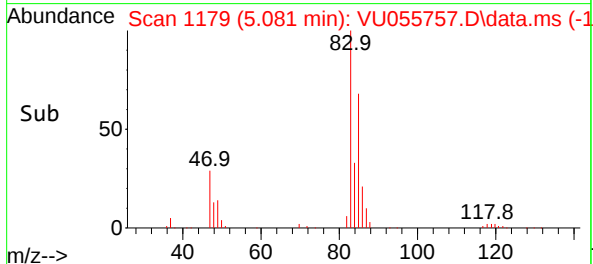
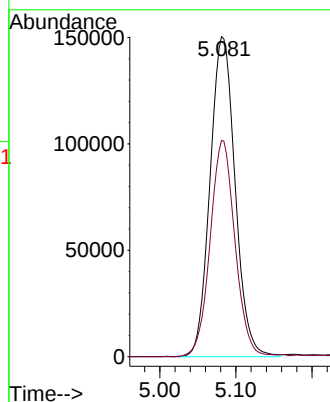
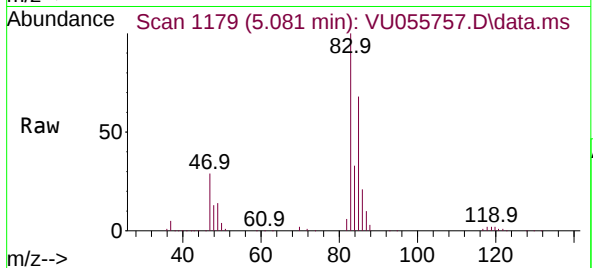
ClientSampleId :

Tgt Ion: 83 Resp: 344542

Ion Ratio Lower Upper

83 100

85 67.6 46.3 86.1



#27

1,2-Dichloroethane

Concen: 49.679 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. -0.000 min

Lab File: VU055757.D

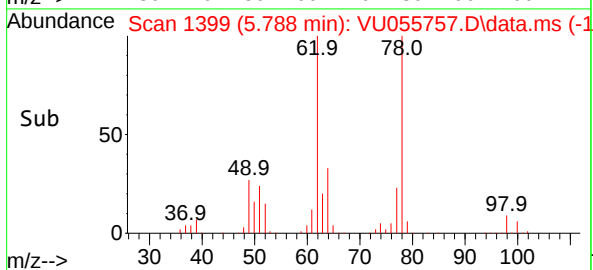
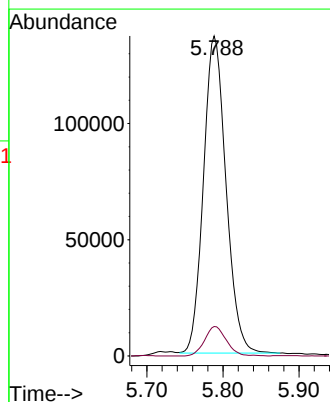
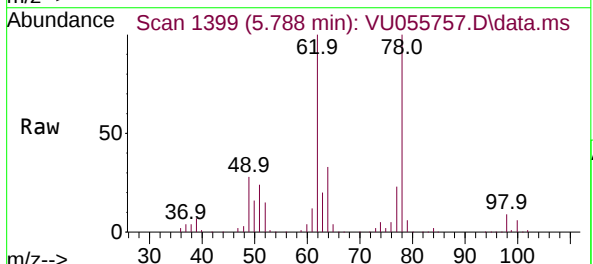
Acq: 12 Oct 2023 10:32

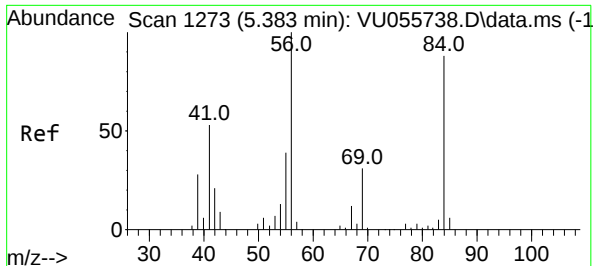
Tgt Ion: 62 Resp: 280909

Ion Ratio Lower Upper

62 100

98 9.2 7.2 10.8





#29

Cyclohexane

Concen: 49.459 ug/L

RT: 5.383 min Scan# 1273

Delta R.T. -0.000 min

Lab File: VU055757.D

Acq: 12 Oct 2023 10:32

Instrument :

MSVOA_U

ClientSampleId :

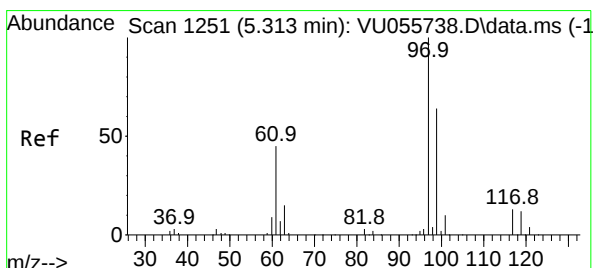
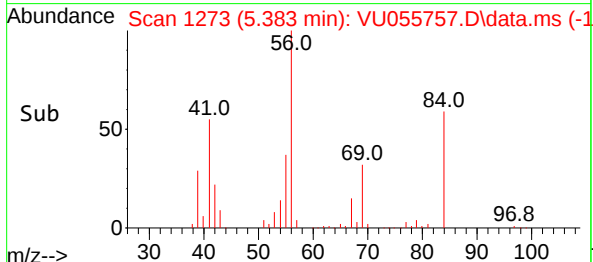
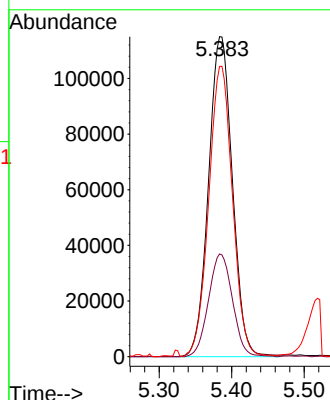
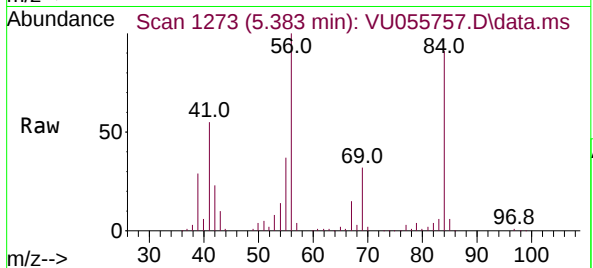
Tgt Ion: 56 Resp: 263235

Ion Ratio Lower Upper

56 100

69 32.2 24.9 37.3

84 89.7 70.7 106.1



#30

1,1,1-Trichloroethane

Concen: 49.722 ug/L

RT: 5.312 min Scan# 1251

Delta R.T. -0.000 min

Lab File: VU055757.D

Acq: 12 Oct 2023 10:32

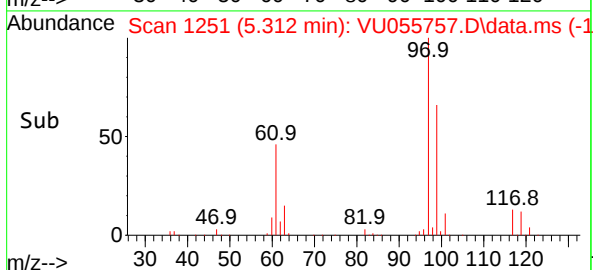
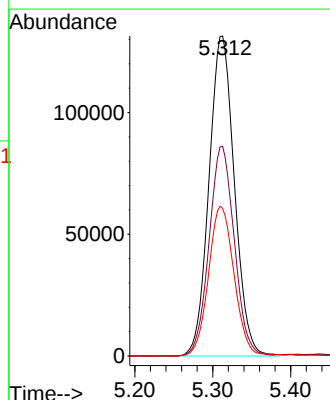
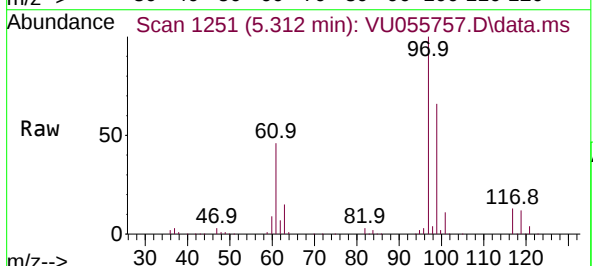
Tgt Ion: 97 Resp: 298286

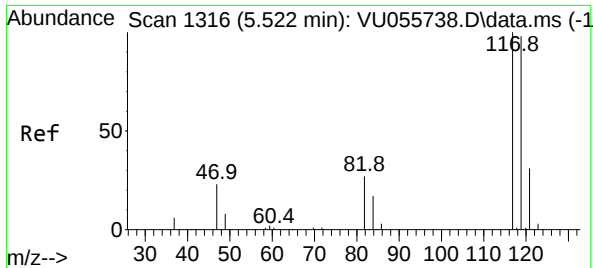
Ion Ratio Lower Upper

97 100

99 65.1 51.6 77.4

61 46.7 36.8 55.2

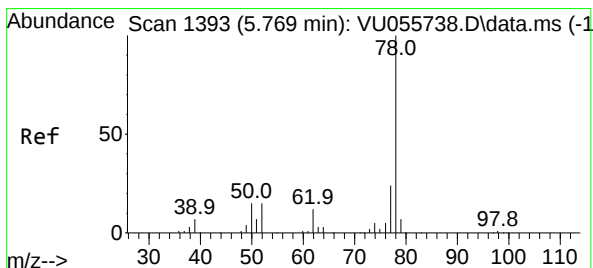
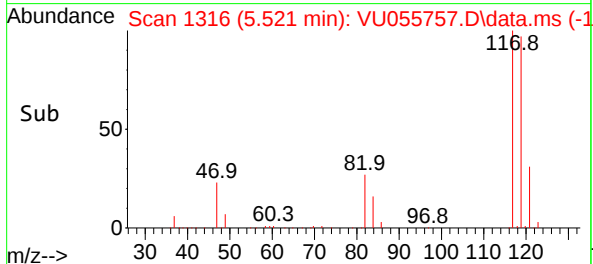
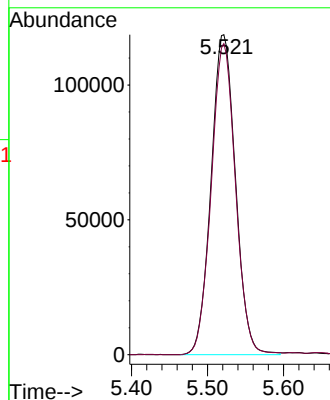
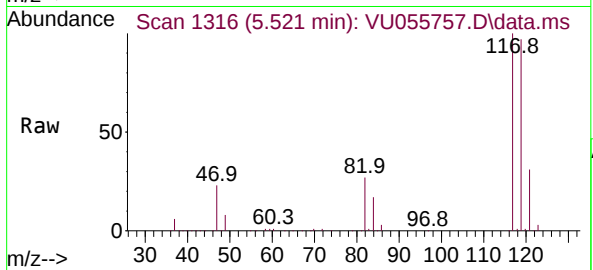




#31
Carbon tetrachloride
Concen: 50.413 ug/L
RT: 5.521 min Scan# 1316
Delta R.T. -0.000 min
Lab File: VU055757.D
Acq: 12 Oct 2023 10:32

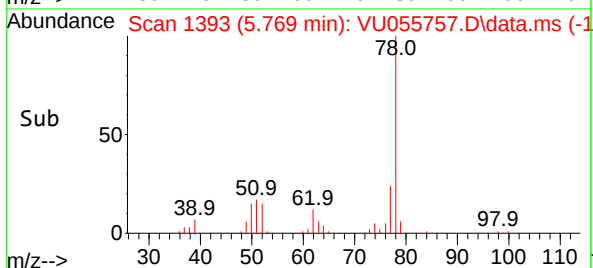
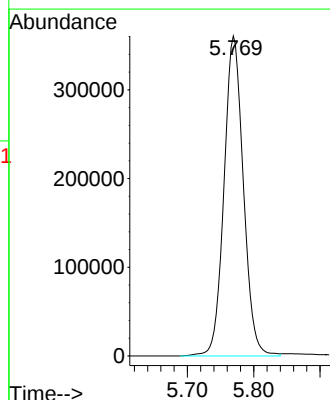
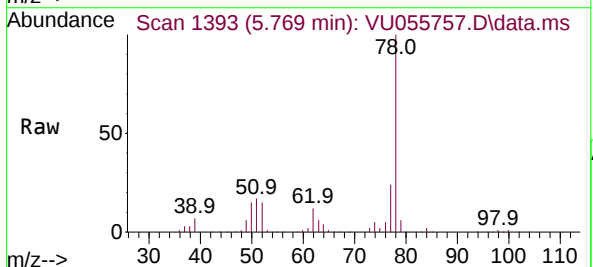
Instrument :
MSVOA_U
ClientSampleId :

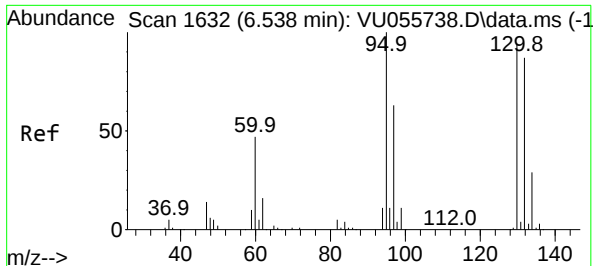
Tgt Ion:117 Resp: 264720
Ion Ratio Lower Upper
117 100
119 96.4 75.4 113.0



#33
Benzene
Concen: 49.879 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. -0.000 min
Lab File: VU055757.D
Acq: 12 Oct 2023 10:32

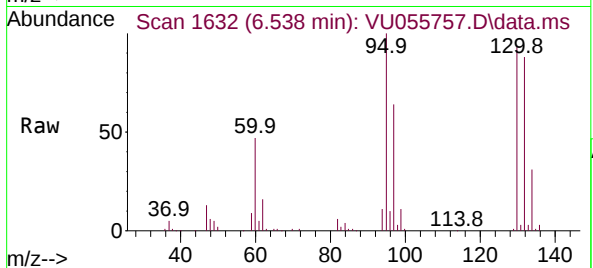
Tgt Ion: 78 Resp: 732123



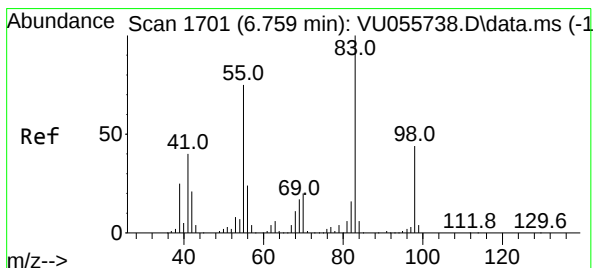
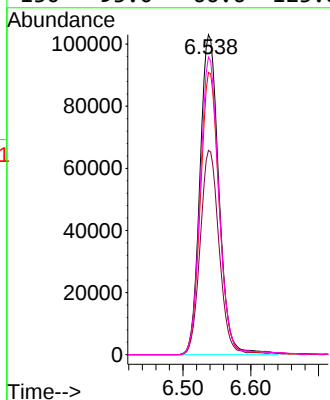
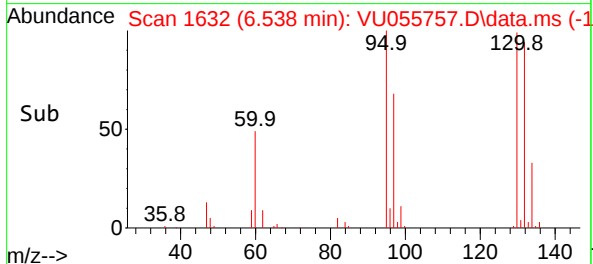


#34
Trichloroethene
Concen: 49.741 ug/L
RT: 6.538 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU055757.D
Acq: 12 Oct 2023 10:32

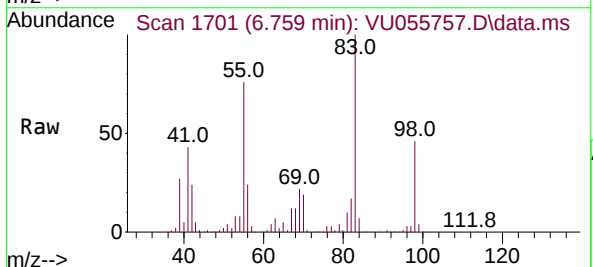
Instrument :
MSVOA_U
ClientSampleId :



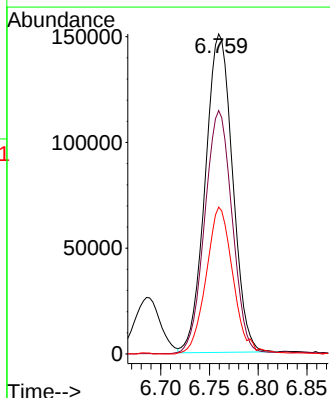
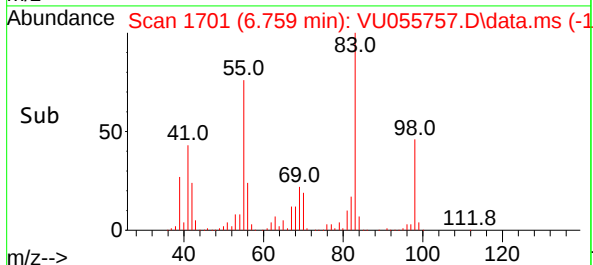
Tgt Ion: 95 Resp: 199771
Ion Ratio Lower Upper
95 100
97 63.9 44.4 82.5
132 88.2 61.8 114.8
130 93.0 66.6 123.8

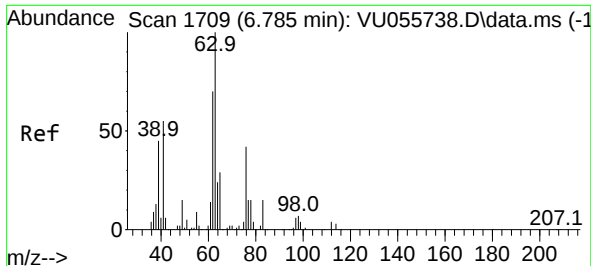


#35
Methylcyclohexane
Concen: 50.434 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VU055757.D
Acq: 12 Oct 2023 10:32



Tgt Ion: 83 Resp: 293886
Ion Ratio Lower Upper
83 100
55 76.9 61.2 91.8
98 44.7 35.8 53.6

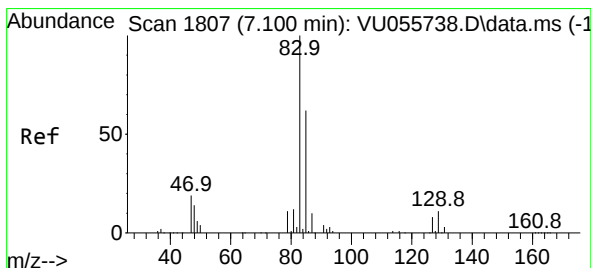
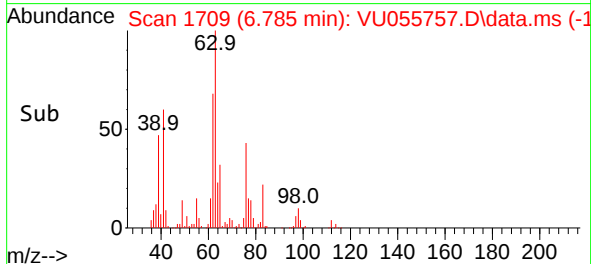
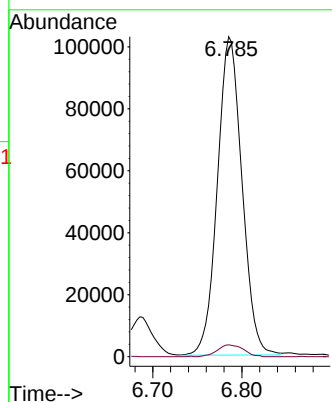
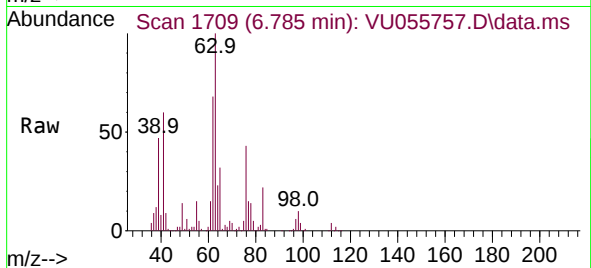




#37
1,2-Dichloropropane
Concen: 48.853 ug/L
RT: 6.785 min Scan# 1709
Delta R.T. -0.000 min
Lab File: VU055757.D
Acq: 12 Oct 2023 10:32

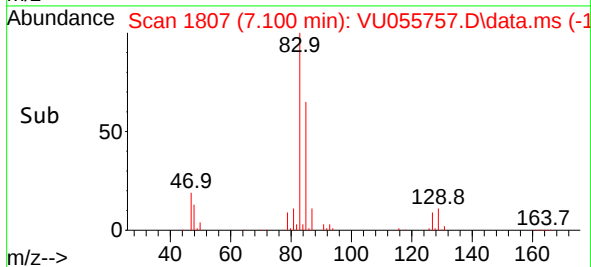
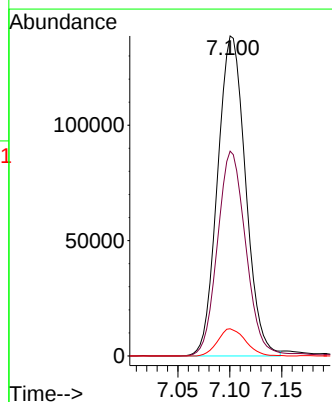
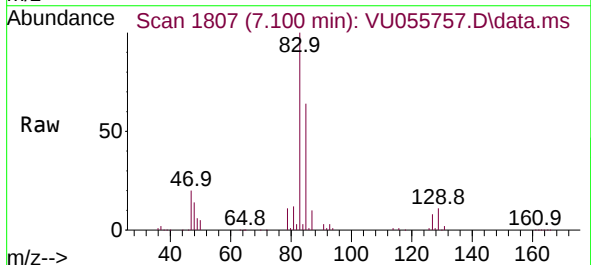
Instrument :
MSVOA_U
ClientSampleId :

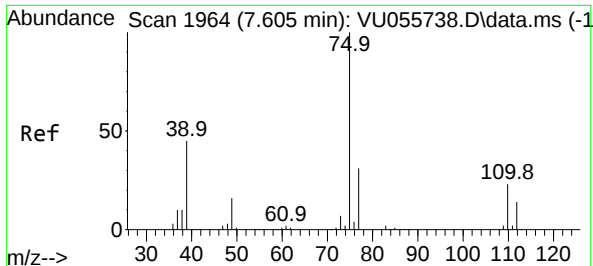
Tgt Ion: 63 Resp: 197455
Ion Ratio Lower Upper
63 100
112 3.9 3.0 4.4



#38
Bromodichloromethane
Concen: 48.850 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VU055757.D
Acq: 12 Oct 2023 10:32

Tgt Ion: 83 Resp: 260375
Ion Ratio Lower Upper
83 100
85 64.0 46.0 85.4
127 9.4 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 50.200 ug/L

RT: 7.602 min Scan# 1964

Delta R.T. -0.003 min

Lab File: VU055757.D

Acq: 12 Oct 2023 10:32

Instrument :

MSVOA_U

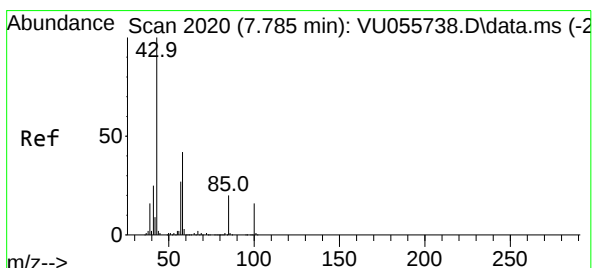
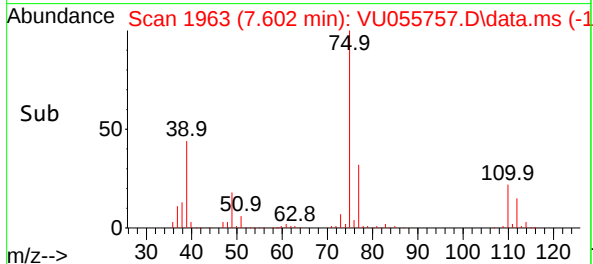
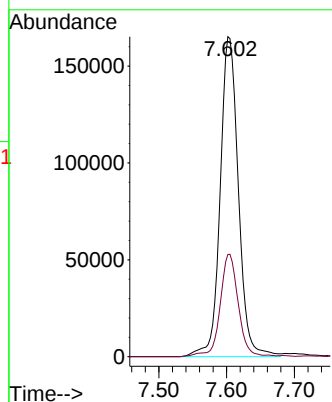
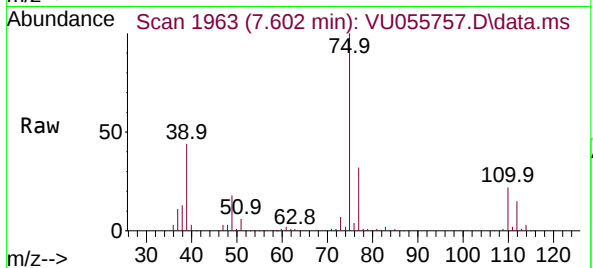
ClientSampleId :

Tgt Ion: 75 Resp: 308687

Ion Ratio Lower Upper

75 100

77 31.9 21.7 40.3



#40

4-Methyl-2-pentanone

Concen: 98.132 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. -0.000 min

Lab File: VU055757.D

Acq: 12 Oct 2023 10:32

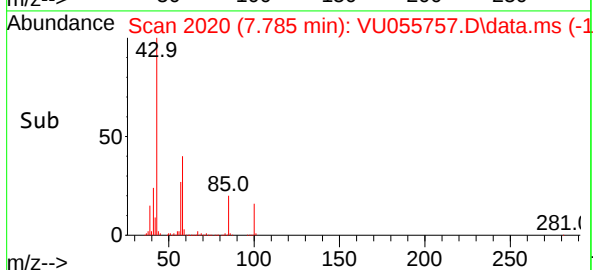
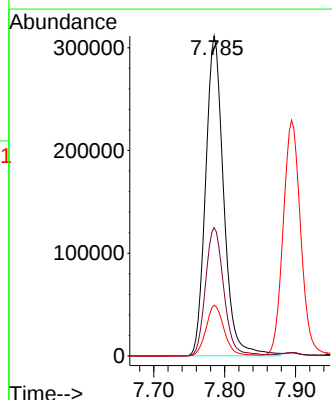
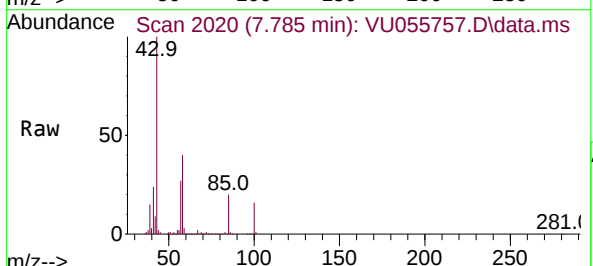
Tgt Ion: 43 Resp: 551788

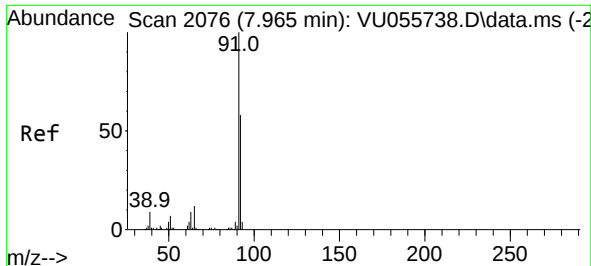
Ion Ratio Lower Upper

43 100

58 40.7 32.3 48.5

100 16.0 12.0 18.0





#42

Toluene

Concen: 50.627 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. -0.000 min

Lab File: VU055757.D

Acq: 12 Oct 2023 10:32

Instrument :

MSVOA_U

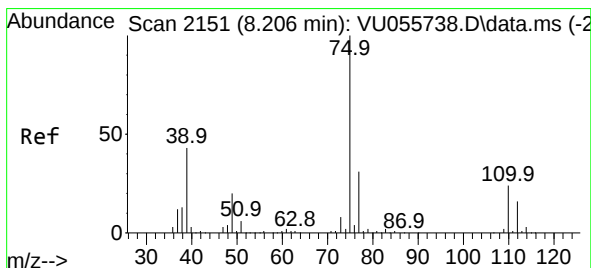
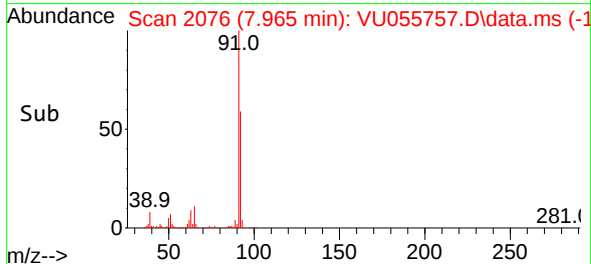
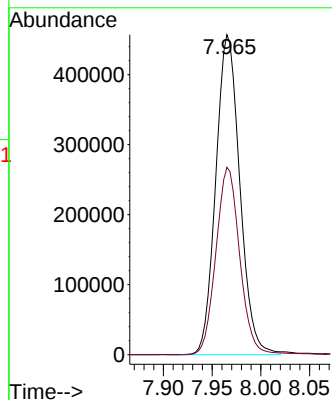
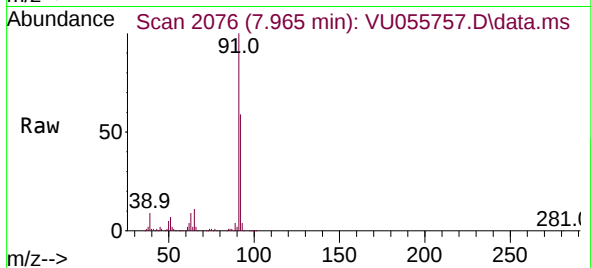
ClientSampleId :

Tgt Ion: 91 Resp: 784115

Ion Ratio Lower Upper

91 100

92 58.5 40.0 74.4



#44

trans-1,3-Dichloropropene

Concen: 49.786 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. -0.000 min

Lab File: VU055757.D

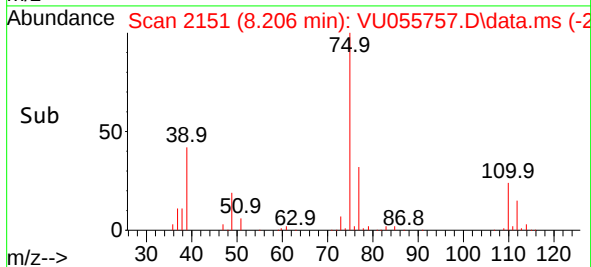
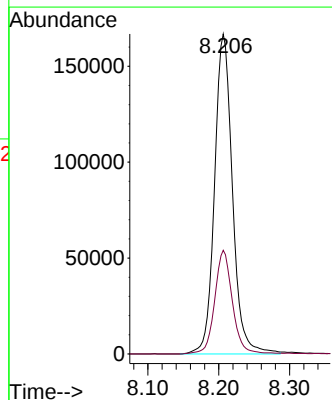
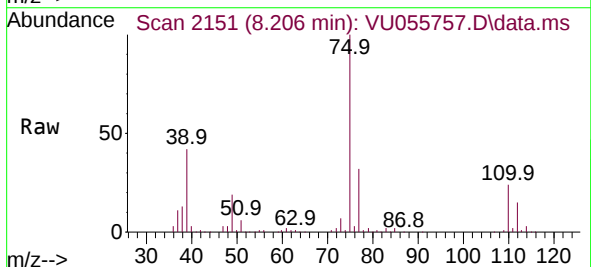
Acq: 12 Oct 2023 10:32

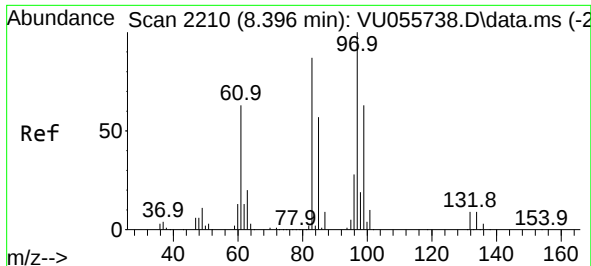
Tgt Ion: 75 Resp: 292916

Ion Ratio Lower Upper

75 100

77 32.4 21.6 40.2





#45

1,1,2-Trichloroethane

Concen: 49.785 ug/L

RT: 8.396 min Scan# 2210

Delta R.T. -0.000 min

Lab File: VU055757.D

Acq: 12 Oct 2023 10:32

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 198416

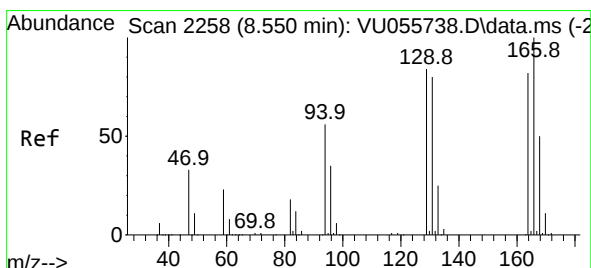
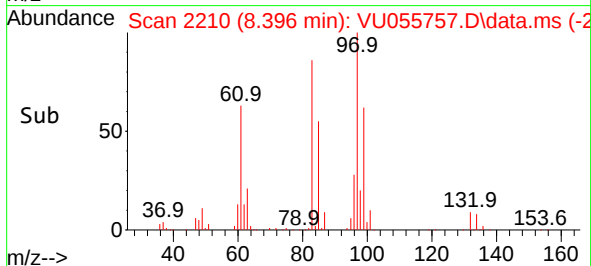
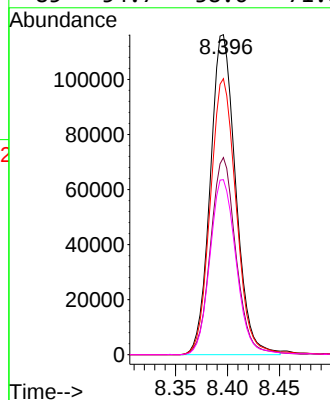
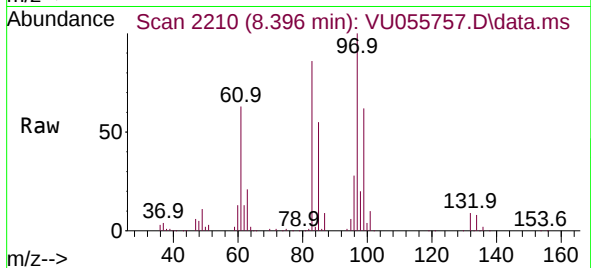
Ion Ratio Lower Upper

97 100

99 61.6 44.4 82.5

83 86.2 60.4 112.2

85 54.7 38.6 71.8



#46

Tetrachloroethene

Concen: 49.007 ug/L

RT: 8.550 min Scan# 2258

Delta R.T. -0.000 min

Lab File: VU055757.D

Acq: 12 Oct 2023 10:32

Tgt Ion:164 Resp: 140920

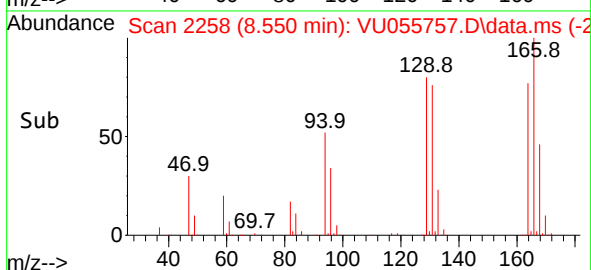
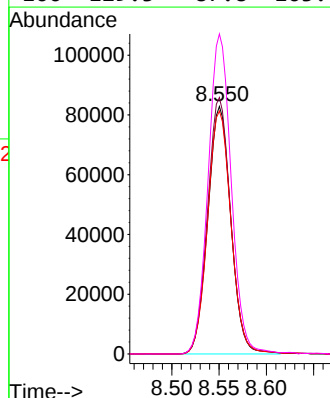
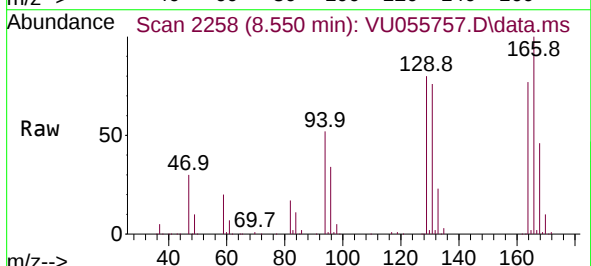
Ion Ratio Lower Upper

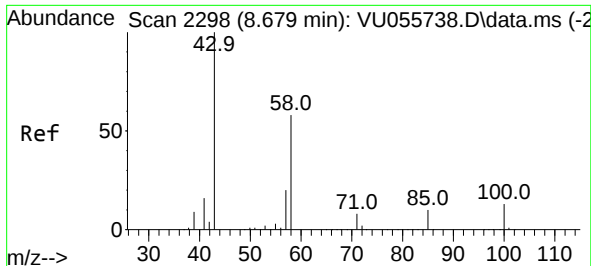
164 100

129 103.6 70.7 131.3

131 98.2 65.9 122.5

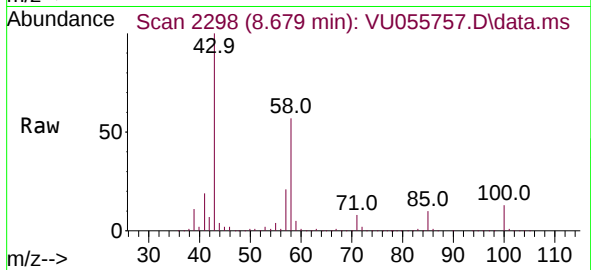
166 129.3 87.8 163.0



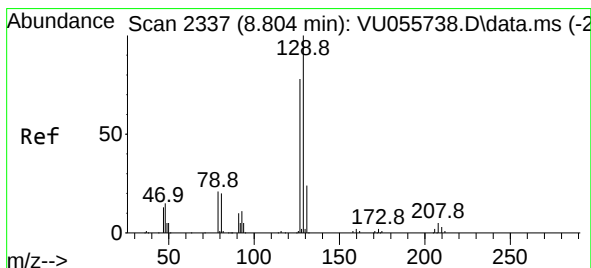
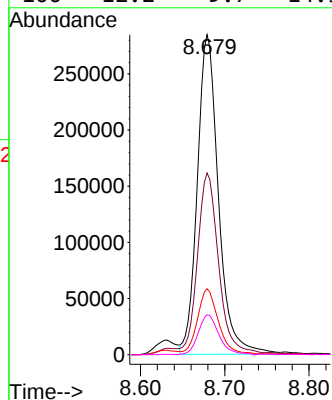
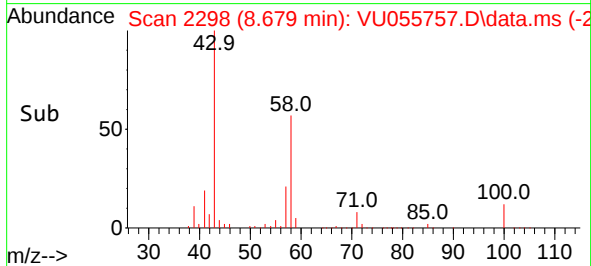


#48
2-Hexanone
Concen: 104.819 ug/L
RT: 8.679 min Scan# 2298
Delta R.T. -0.000 min
Lab File: VU055757.D
Acq: 12 Oct 2023 10:32

Instrument :
MSVOA_U
ClientSampleId :

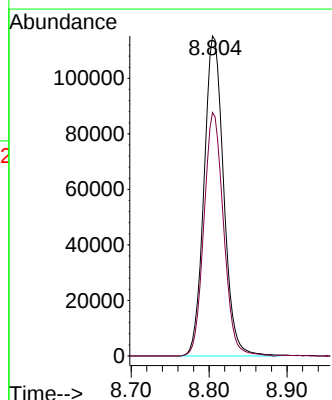
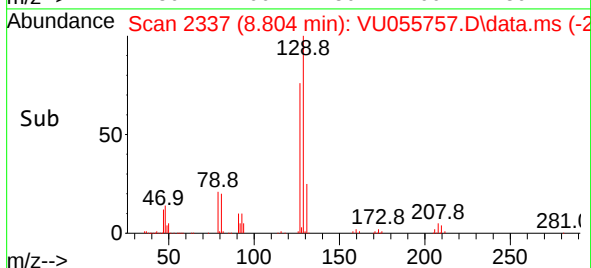
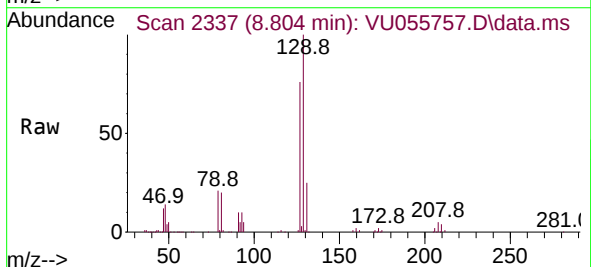


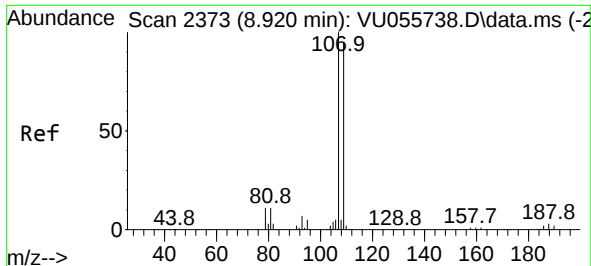
Tgt Ion: 43 Resp: 497836
Ion Ratio Lower Upper
43 100
58 55.7 45.2 67.8
57 19.9 16.1 24.1
100 12.2 9.7 14.5



#49
Dibromochloromethane
Concen: 49.491 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. -0.000 min
Lab File: VU055757.D
Acq: 12 Oct 2023 10:32

Tgt Ion: 129 Resp: 201538
Ion Ratio Lower Upper
129 100
127 76.1 54.0 100.4





#50

1,2-Dibromoethane

Concen: 50.014 ug/L

RT: 8.920 min Scan# 21

Delta R.T. -0.000 min

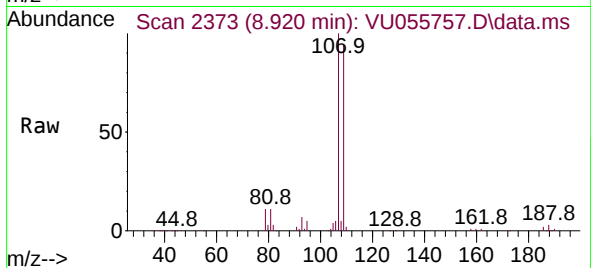
Lab File: VU055757.D

Acq: 12 Oct 2023 10:32

Instrument :

MSVOA_U

ClientSampleId :



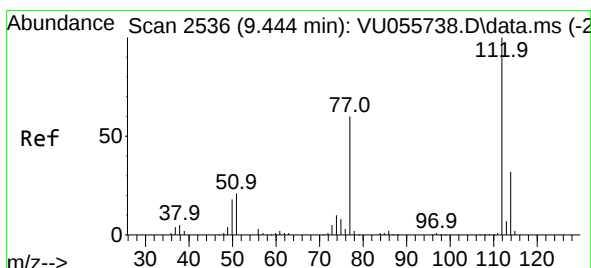
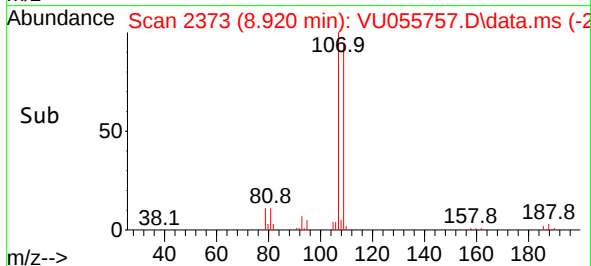
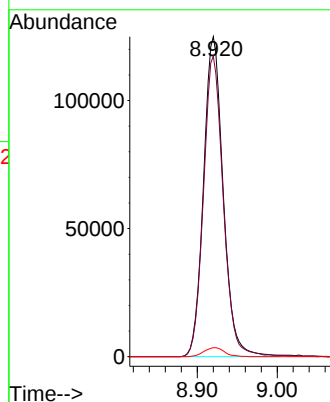
Tgt Ion:107 Resp: 214096

Ion Ratio Lower Upper

107 100

109 93.9 66.7 123.9

188 2.8 2.6 4.0



#51

Chlorobenzene

Concen: 49.762 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. -0.000 min

Lab File: VU055757.D

Acq: 12 Oct 2023 10:32

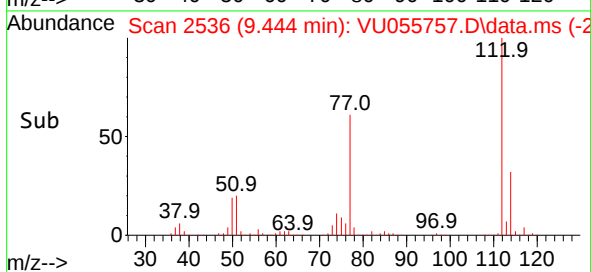
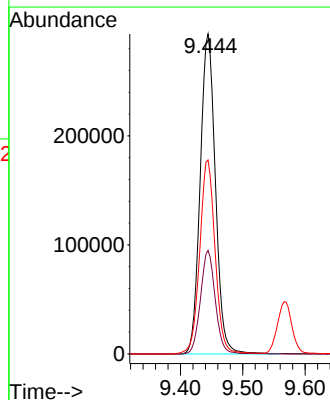
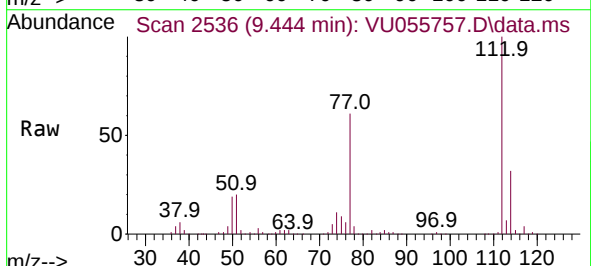
Tgt Ion:112 Resp: 498664

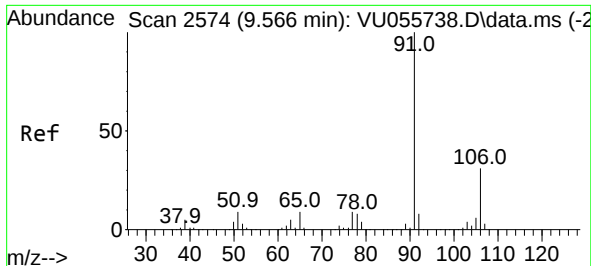
Ion Ratio Lower Upper

112 100

114 32.4 22.0 40.8

77 60.6 49.0 73.6

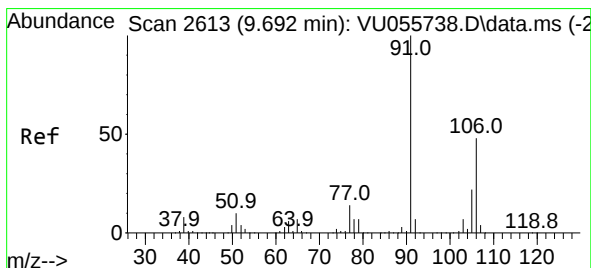
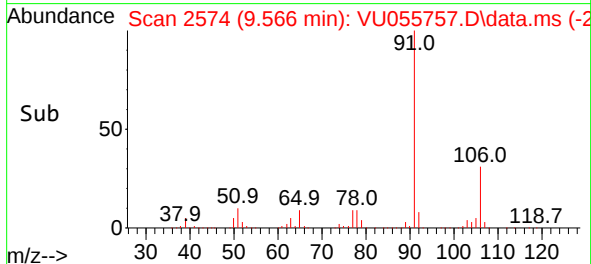
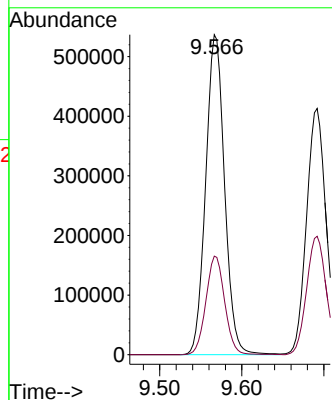
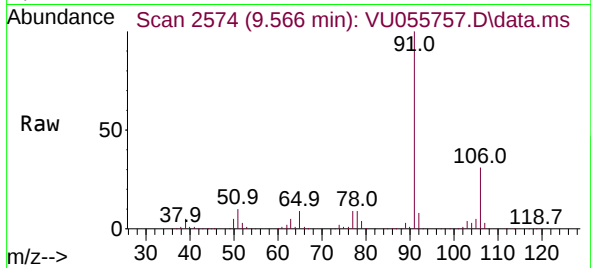




#52
Ethylbenzene
Concen: 50.737 ug/L
RT: 9.566 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU055757.D
Acq: 12 Oct 2023 10:32

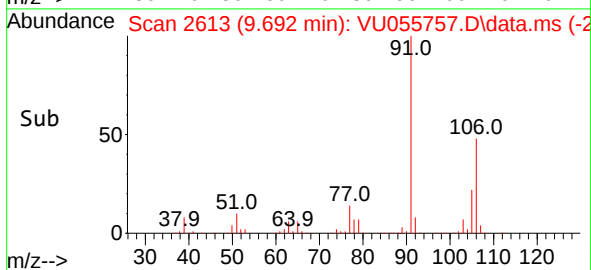
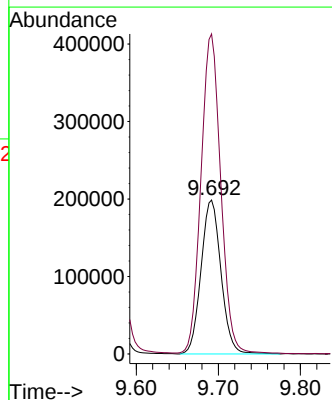
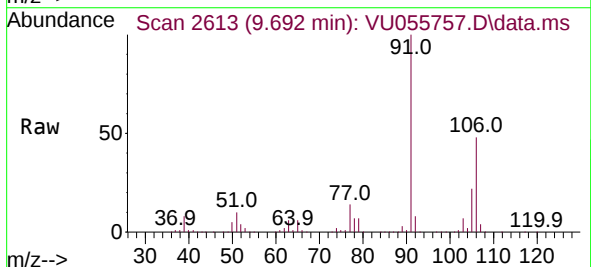
Instrument :
MSVOA_U
ClientSampleId :

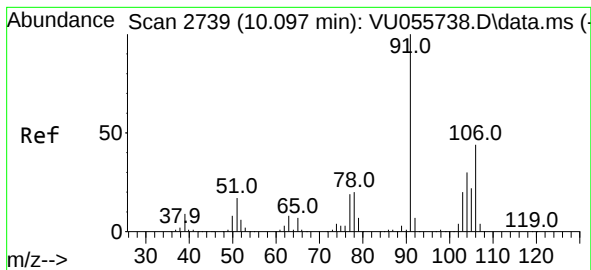
Tgt Ion: 91 Resp: 859119
Ion Ratio Lower Upper
91 100
106 30.8 21.2 39.4



#53
m,p-Xylene
Concen: 52.835 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. -0.000 min
Lab File: VU055757.D
Acq: 12 Oct 2023 10:32

Tgt Ion:106 Resp: 335168
Ion Ratio Lower Upper
106 100
91 207.9 143.8 267.0





#54

o-Xylene

Concen: 52.669 ug/L

RT: 10.097 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU055757.D

Acq: 12 Oct 2023 10:32

Instrument :

MSVOA_U

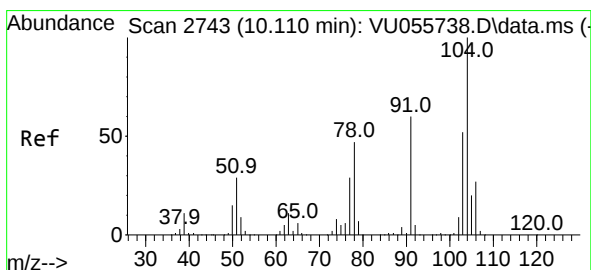
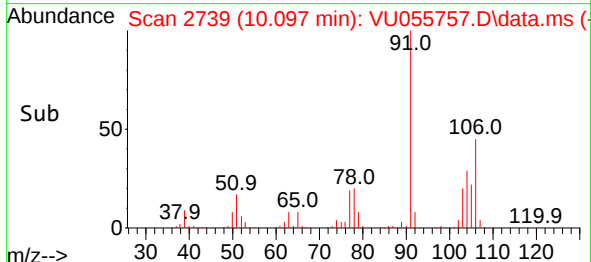
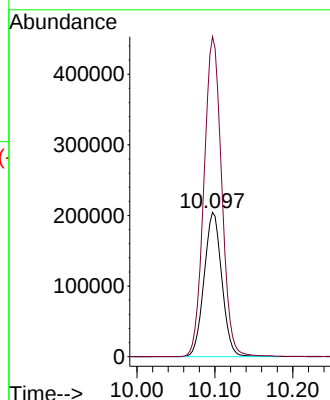
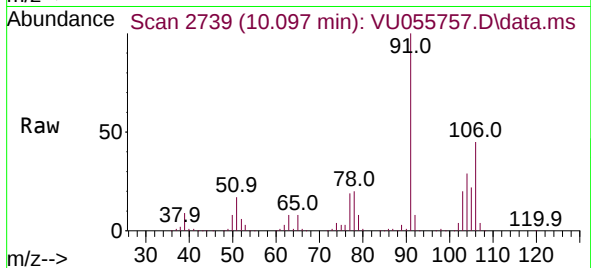
ClientSampleId :

Tgt Ion:106 Resp: 323322

Ion Ratio Lower Upper

106 100

91 221.8 151.8 282.0



#55

Styrene

Concen: 53.629 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. -0.000 min

Lab File: VU055757.D

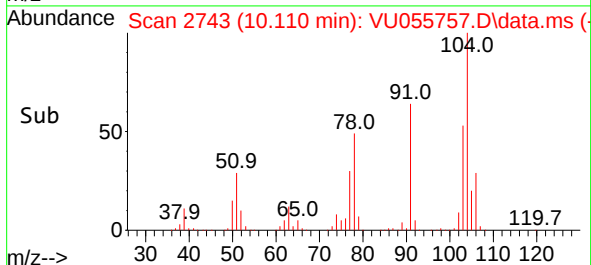
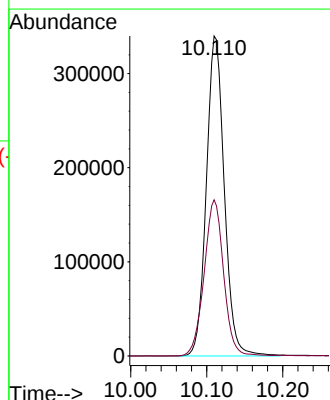
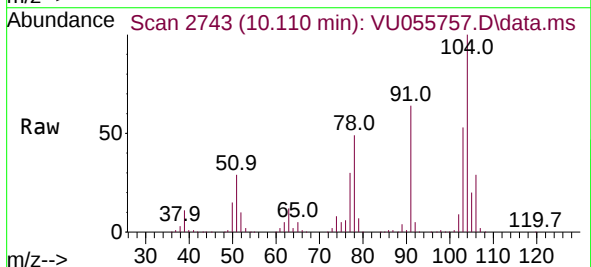
Acq: 12 Oct 2023 10:32

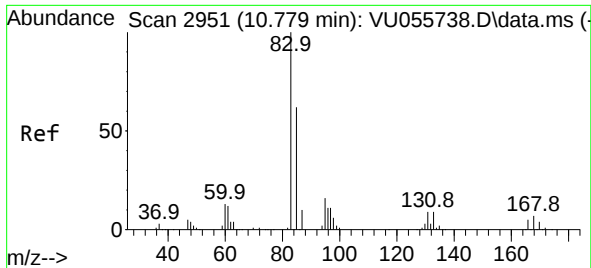
Tgt Ion:104 Resp: 557702

Ion Ratio Lower Upper

104 100

78 48.8 33.6 62.4

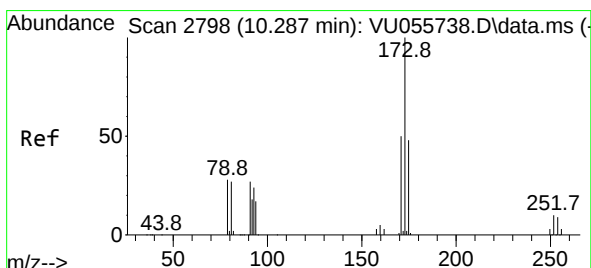
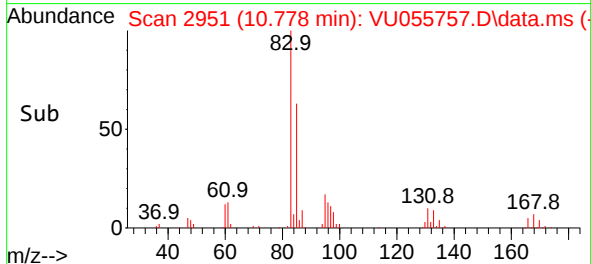
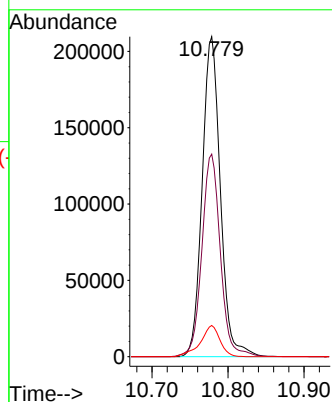
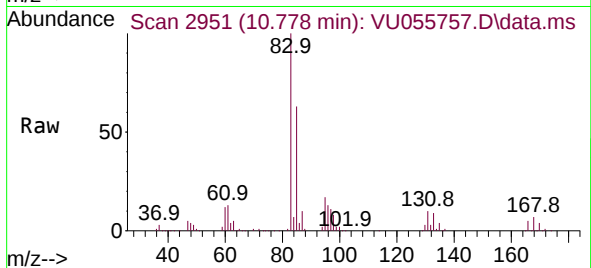




#57
1,1,2,2-Tetrachloroethane
Concen: 50.920 ug/L
RT: 10.778 min Scan# 2951
Delta R.T. -0.000 min
Lab File: VU055757.D
Acq: 12 Oct 2023 10:32

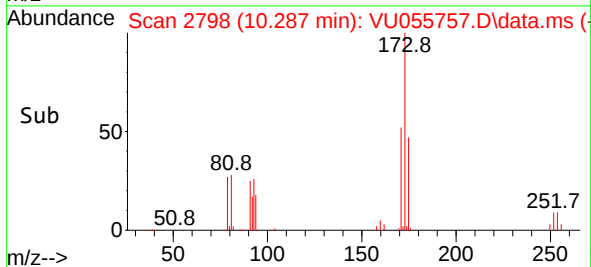
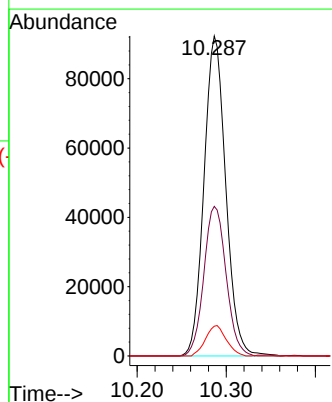
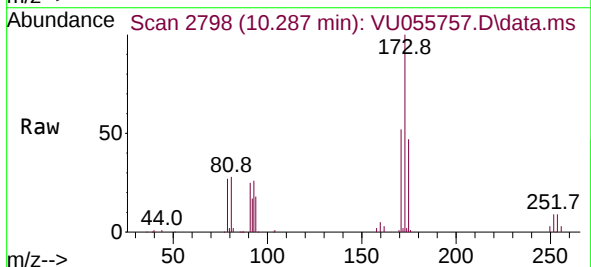
Instrument :
MSVOA_U
ClientSampleId :

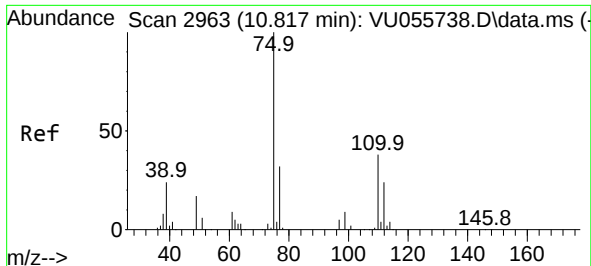
Tgt Ion: 83 Resp: 347493
Ion Ratio Lower Upper
83 100
85 63.3 44.9 83.5
131 9.7 7.3 10.9



#59
Bromoform
Concen: 50.204 ug/L
RT: 10.287 min Scan# 2798
Delta R.T. -0.000 min
Lab File: VU055757.D
Acq: 12 Oct 2023 10:32

Tgt Ion:173 Resp: 156574
Ion Ratio Lower Upper
173 100
175 47.8 40.4 60.6
254 9.0 7.3 10.9

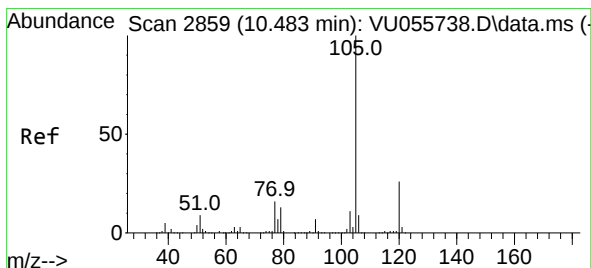
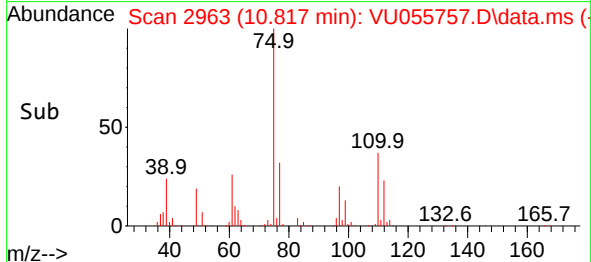
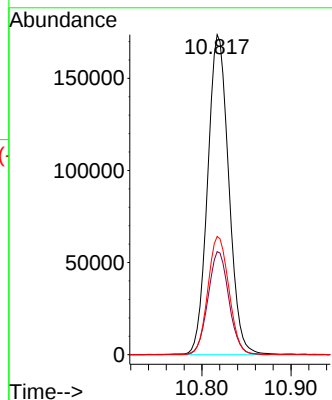
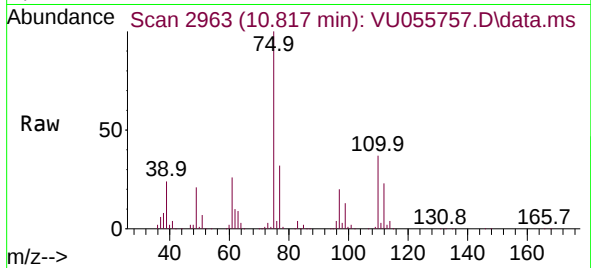




#60
1,2,3-Trichloropropane
Concen: 51.911 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. -0.000 min
Lab File: VU055757.D
Acq: 12 Oct 2023 10:32

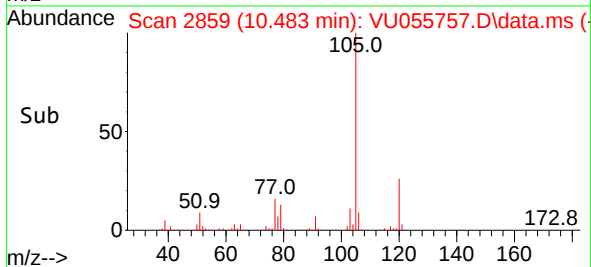
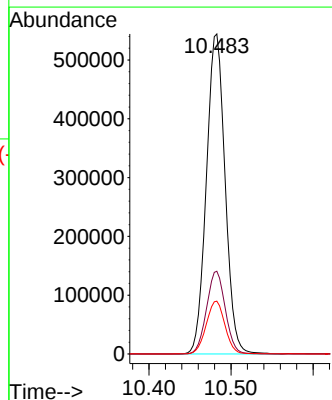
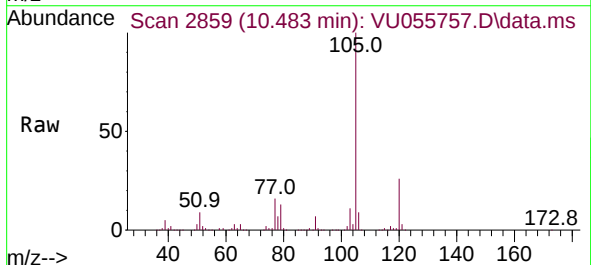
Instrument :
MSVOA_U
ClientSampleId :

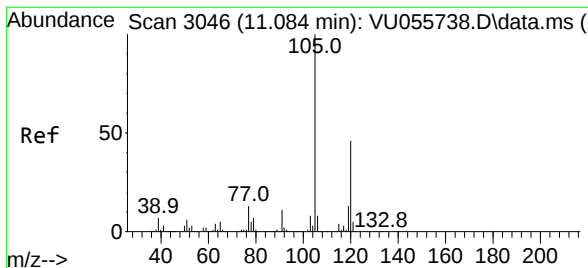
Tgt Ion: 75 Resp: 285425
Ion Ratio Lower Upper
75 100
77 31.9 25.8 38.8
110 36.9 28.5 42.7



#61
Isopropylbenzene
Concen: 54.559 ug/L
RT: 10.483 min Scan# 2859
Delta R.T. -0.000 min
Lab File: VU055757.D
Acq: 12 Oct 2023 10:32

Tgt Ion: 105 Resp: 861691
Ion Ratio Lower Upper
105 100
120 25.9 20.6 30.8
77 16.6 13.4 20.0





#62

1,3,5-Trimethylbenzene

Concen: 55.769 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. -0.000 min

Lab File: VU055757.D

Acq: 12 Oct 2023 10:32

Instrument :

MSVOA_U

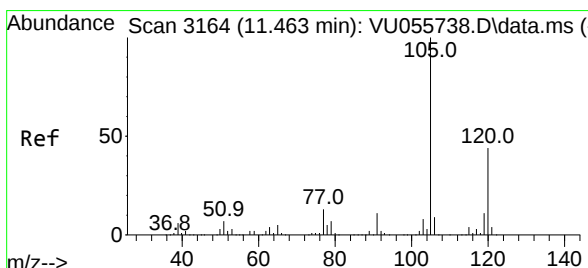
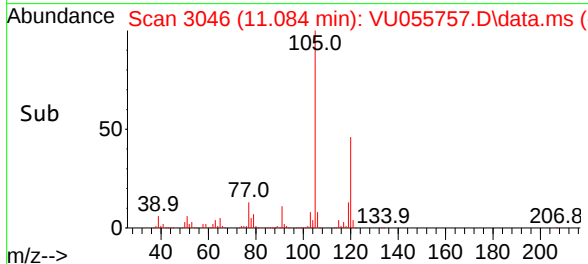
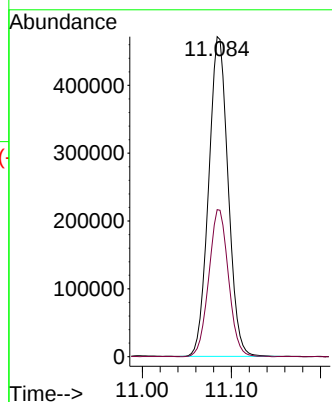
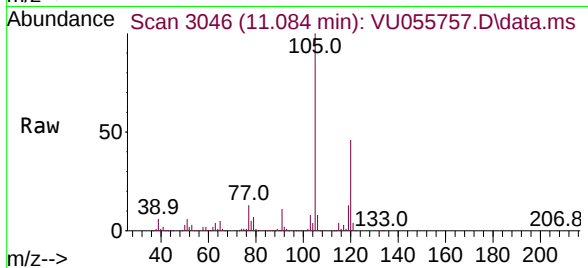
ClientSampleId :

Tgt Ion:105 Resp: 712718

Ion Ratio Lower Upper

105 100

120 46.6 37.7 56.5



#63

1,2,4-Trimethylbenzene

Concen: 55.620 ug/L

RT: 11.467 min Scan# 3165

Delta R.T. 0.003 min

Lab File: VU055757.D

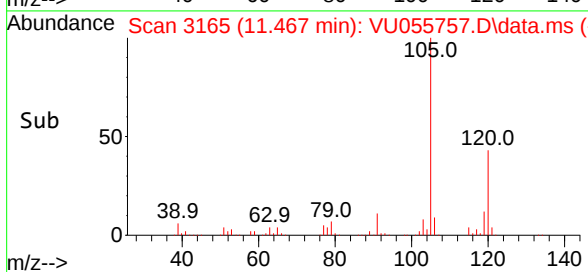
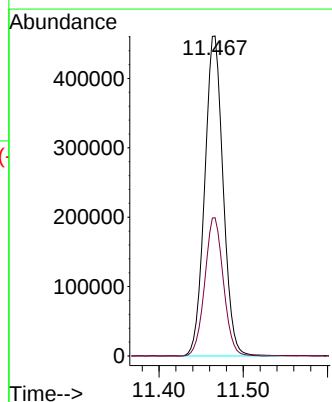
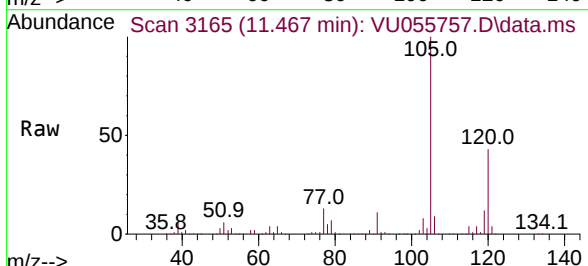
Acq: 12 Oct 2023 10:32

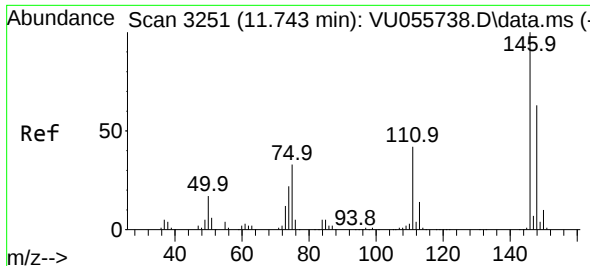
Tgt Ion:105 Resp: 702871

Ion Ratio Lower Upper

105 100

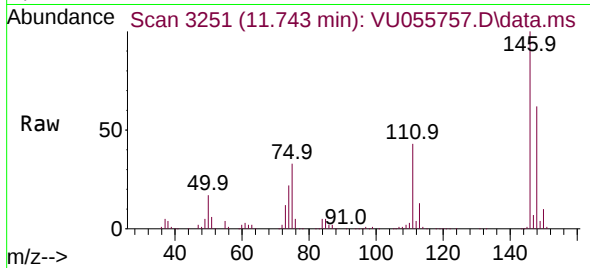
120 43.6 35.0 52.4



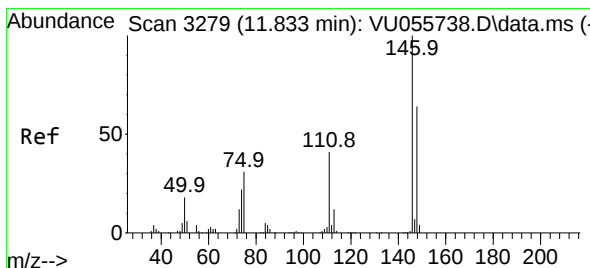
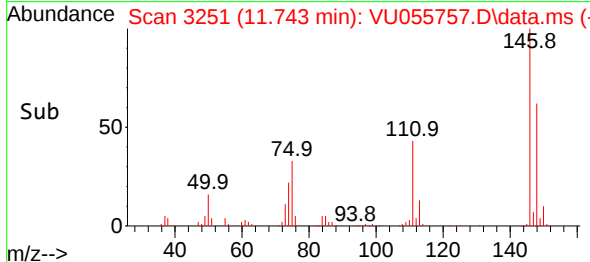
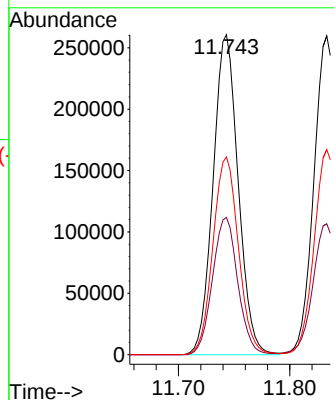


#64
1,3-Dichlorobenzene
Concen: 52.293 ug/L
RT: 11.743 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU055757.D
Acq: 12 Oct 2023 10:32

Instrument :
MSVOA_U
ClientSampleId :

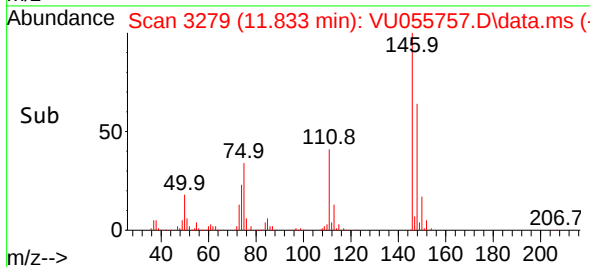
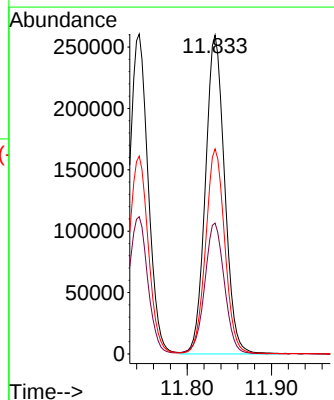
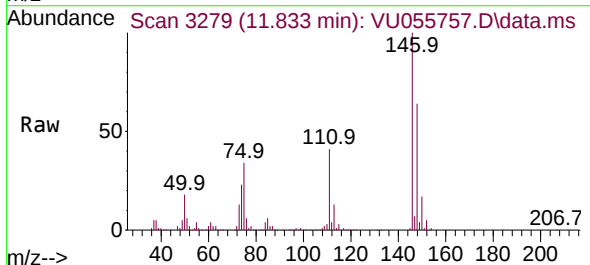


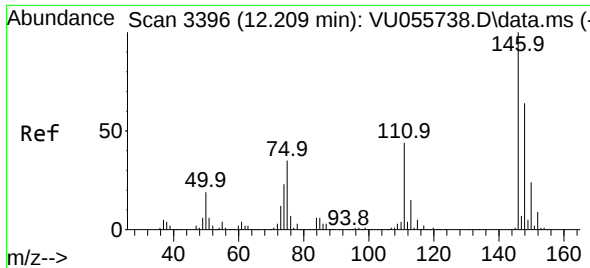
Tgt Ion:146 Resp: 408284
Ion Ratio Lower Upper
146 100
111 42.9 29.7 55.1
148 61.8 45.0 83.6



#65
1,4-Dichlorobenzene
Concen: 51.478 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. -0.000 min
Lab File: VU055757.D
Acq: 12 Oct 2023 10:32

Tgt Ion:146 Resp: 413229
Ion Ratio Lower Upper
146 100
111 41.1 28.6 53.0
148 64.3 44.2 82.0





#67

1,2-Dichlorobenzene

Concen: 52.776 ug/L

RT: 12.209 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU055757.D

Acq: 12 Oct 2023 10:32

Instrument :

MSVOA_U

ClientSampleId :

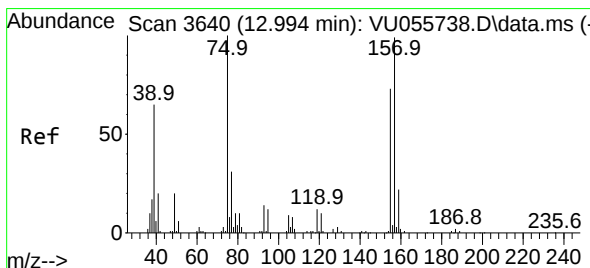
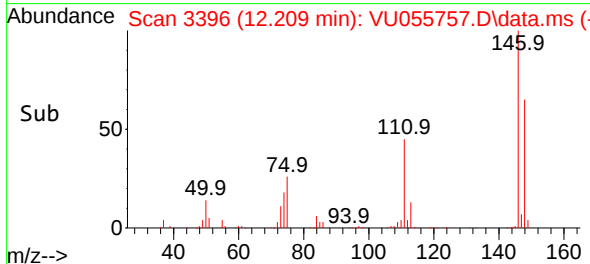
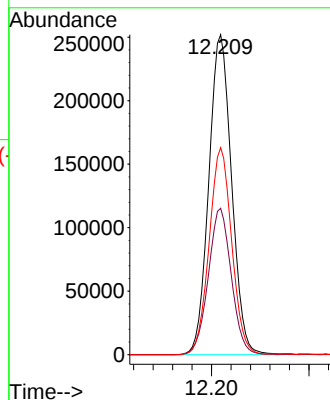
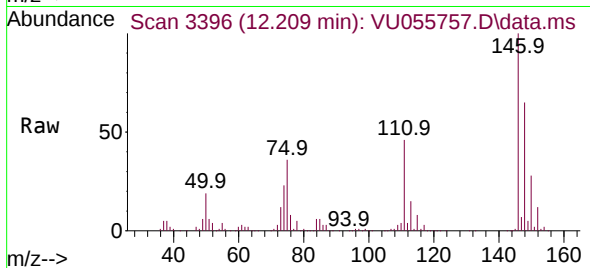
Tgt Ion:146 Resp: 408913

Ion Ratio Lower Upper

146 100

111 45.8 35.2 52.8

148 64.7 52.3 78.5



#68

1,2-Dibromo-3-chloropropane

Concen: 49.234 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. -0.003 min

Lab File: VU055757.D

Acq: 12 Oct 2023 10:32

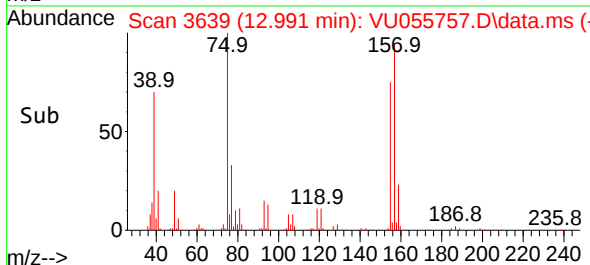
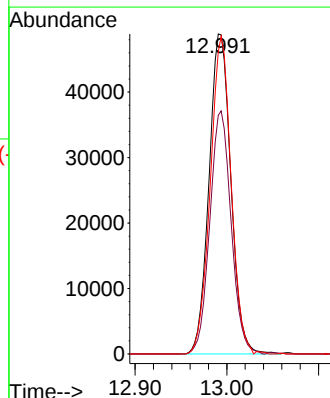
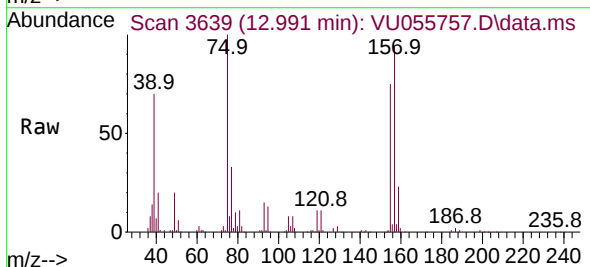
Tgt Ion: 75 Resp: 80931

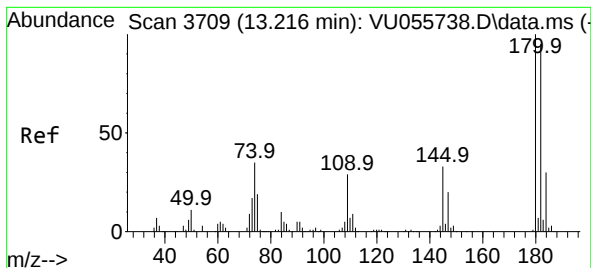
Ion Ratio Lower Upper

75 100

155 78.2 59.6 89.4

157 98.6 77.7 116.5





#69

1,3,5-Trichlorobenzene

Concen: 50.193 ug/L

RT: 13.216 min Scan# 3709

Delta R.T. -0.000 min

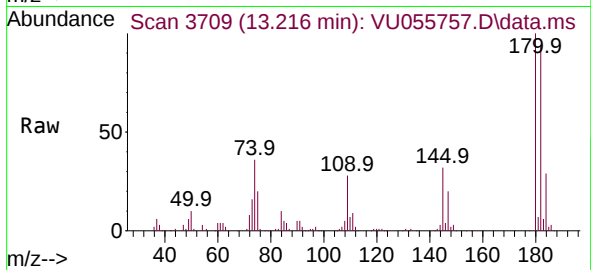
Lab File: VU055757.D

Acq: 12 Oct 2023 10:32

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 261395

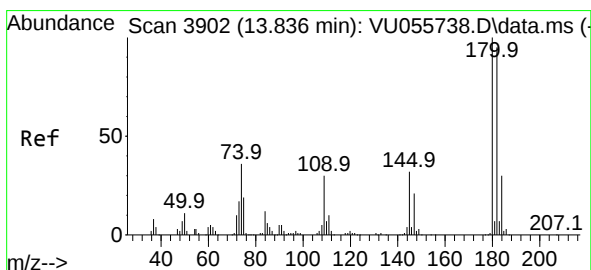
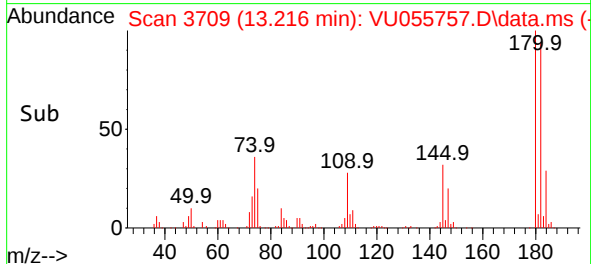
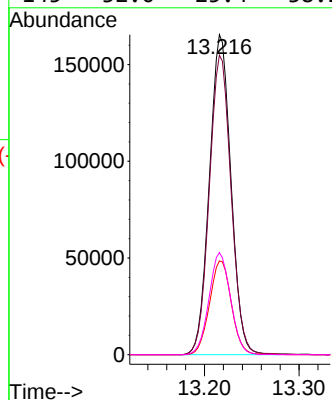
Ion Ratio Lower Upper

180 100

182 94.8 76.2 114.2

184 29.7 23.9 35.9

145 32.0 25.4 38.2



#70

1,2,4-trichlorobenzene

Concen: 47.572 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. -0.000 min

Lab File: VU055757.D

Acq: 12 Oct 2023 10:32

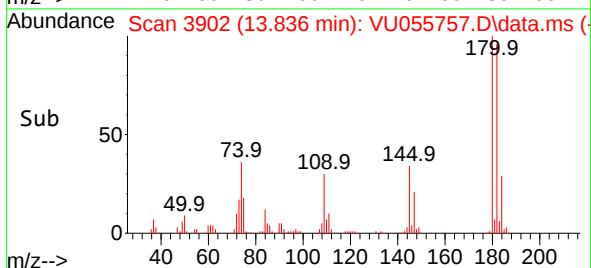
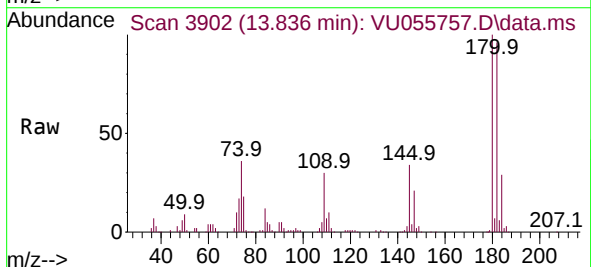
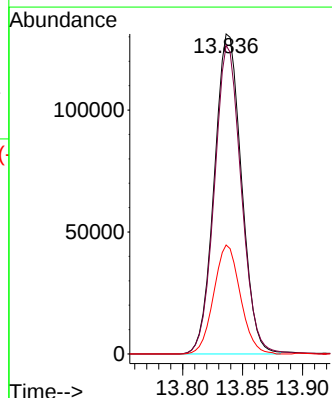
Tgt Ion:180 Resp: 206361

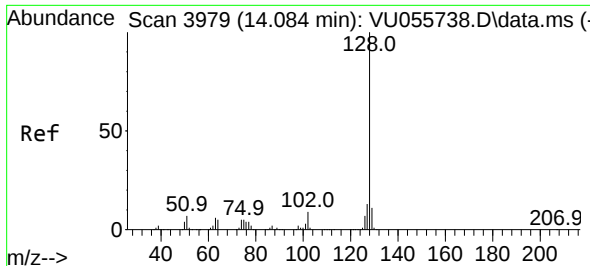
Ion Ratio Lower Upper

180 100

182 95.4 75.4 113.2

145 33.3 26.1 39.1

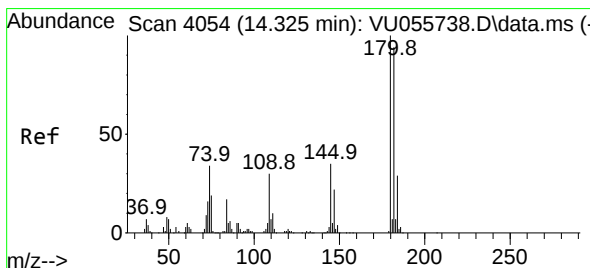
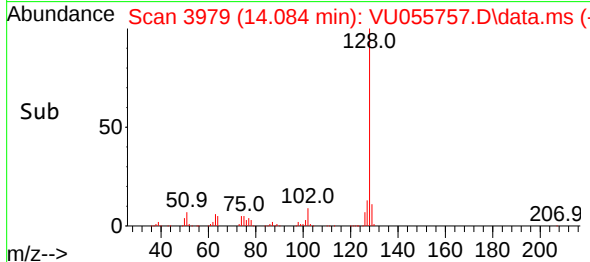
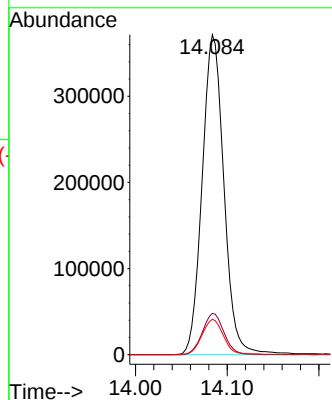
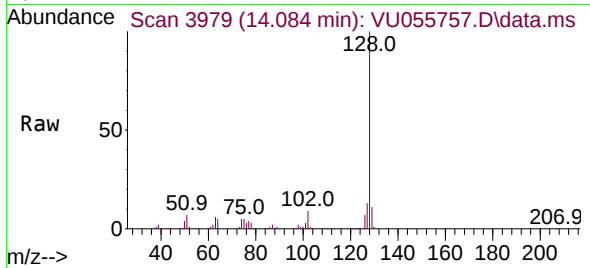




#71
Naphthalene
Concen: 47.475 ug/L
RT: 14.084 min Scan# 3979
Delta R.T. -0.000 min
Lab File: VU055757.D
Acq: 12 Oct 2023 10:32

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 611760
Ion Ratio Lower Upper
128 100
127 12.9 10.6 16.0
129 10.8 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 49.293 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. -0.000 min
Lab File: VU055757.D
Acq: 12 Oct 2023 10:32

Tgt Ion:180 Resp: 210818
Ion Ratio Lower Upper
180 100
182 93.0 78.1 117.1
145 35.1 27.4 41.0

