

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102423\
 Data File : VU055862.D
 Acq On : 24 Oct 2023 10:24
 Operator : MD/SY
 Sample : VSTD00569
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 25 05:01:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Oct 25 04:59:46 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	378725	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	373329	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	193555	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	146654	9.590	ug/L	0.00
7) Chloroethane-d5	1.911	69	116507	6.820	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.563	65	64024	8.085	ug/L	0.00
20) 2-Butanone-d5	4.631	46	276549	43.921	ug/L	0.00
24) Chloroform-d	5.058	84	279036	6.019	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.698	65	135499	5.609	ug/L	0.00
32) Benzene-d6	5.724	84	557205	6.250	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.685	67	165821	5.498	ug/L	0.00
41) Toluene-d8	7.894	98	516567	6.107	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.177	79	63448	6.199	ug/L	0.00
46) 2-Hexanone-d5	8.631	63	160748	36.885	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.753	84	121594	4.839	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.190	152	174325	5.513	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	111929	4.860	ug/L	100
3) Chloromethane	1.515	50	104253	4.369	ug/L	100
5) Vinyl chloride	1.602	62	113589	4.589	ug/L	100
6) Bromomethane	1.856	94	70103	4.525	ug/L	100
8) Chloroethane	1.933	64	67883	4.217	ug/L	100
9) Trichlorofluoromethane	2.136	101	159329	4.545	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	105272	5.324	ug/L	100
12) 1,1-Dichloroethene	2.576	96	92383	5.340	ug/L	100
13) Acetone	2.647	43	159407	45.945	ug/L	100
14) Carbon disulfide	2.788	76	235491	4.995	ug/L	100
15) Methyl Acetate	2.956	43	32007	4.589	ug/L	100
16) Methylene chloride	3.042	84	103492	3.963	ug/L	100
17) Methyl tert-butyl Ether	3.358	73	229969	4.690	ug/L	100
18) trans-1,2-Dichloroethene	3.351	96	93095	4.986	ug/L	100
19) 1,1-Dichloroethane	3.866	63	190355	4.914	ug/L	100
21) 2-Butanone	4.711	43	238862	45.213	ug/L	100
22) cis-1,2-Dichloroethene	4.663	96	108311	4.952	ug/L	100
23) Bromochloromethane	4.972	128	46288	4.867	ug/L	100
25) Chloroform	5.084	83	203724	4.809	ug/L	100
27) 1,2-Dichloroethane	5.792	62	120708	4.658	ug/L	100
29) 1,1,1-Trichloroethane	5.312	97	175381	4.781	ug/L	100
30) Cyclohexane	5.383	56	146596	4.599	ug/L	100
31) Carbon tetrachloride	5.518	117	149222	4.789	ug/L	100
33) Benzene	5.769	78	425204	4.882	ug/L	100
34) Trichloroethene	6.541	95	114990	4.789	ug/L	100
35) Methylcyclohexane	6.759	83	158187	4.509	ug/L	100
37) 1,2-Dichloropropane	6.785	63	110844	4.609	ug/L	100
38) Bromodichloromethane	7.100	83	139958	4.673	ug/L	100
39) cis-1,3-Dichloropropene	7.605	75	160888	4.665	ug/L	100
40) 4-Methyl-2-pentanone	7.788	43	548654	41.704	ug/L	100
42) Toluene	7.965	91	451934	4.719	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	130138	4.574	ug/L	100

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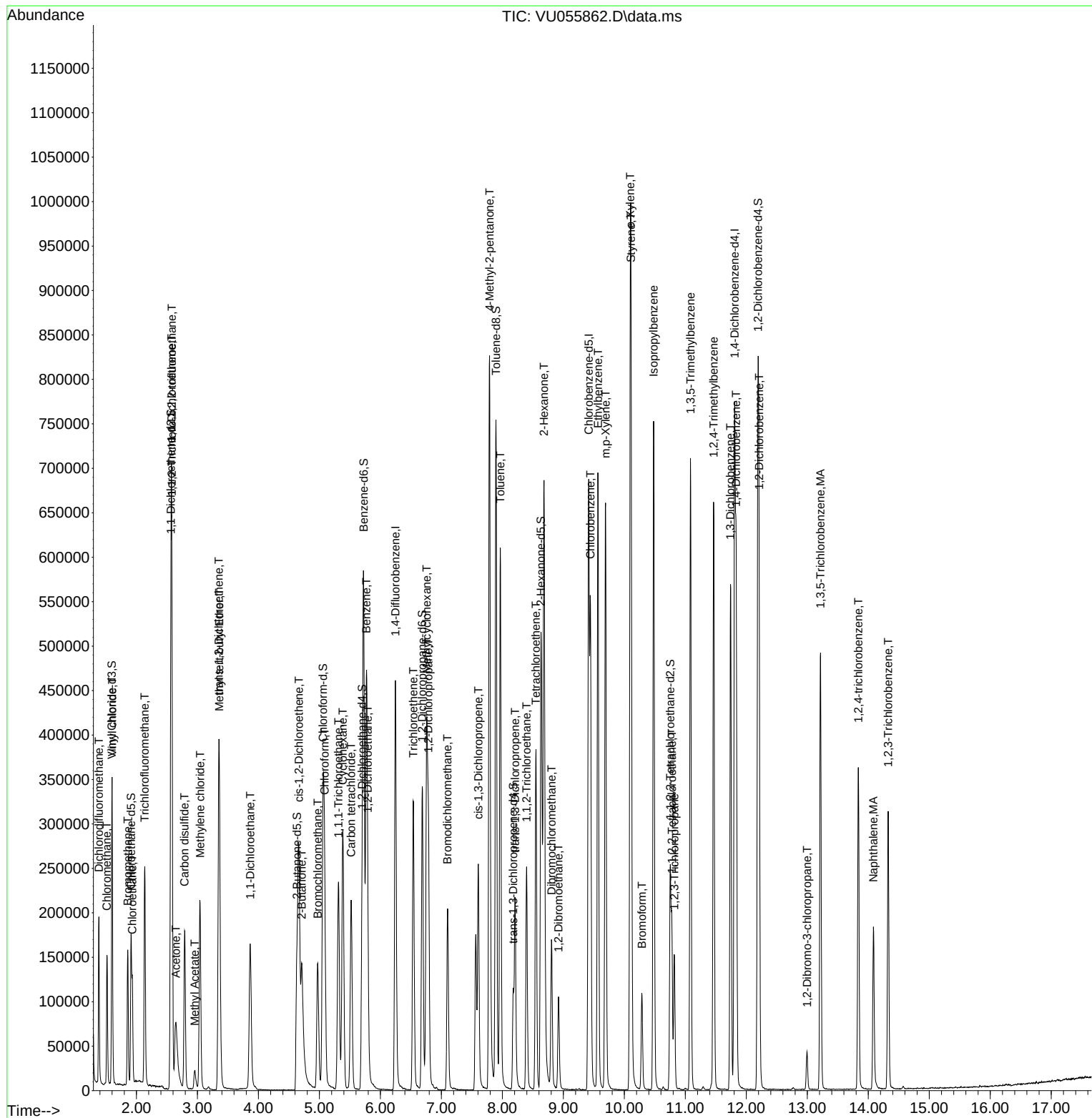
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.396	97	79374	4.884	ug/L	100
47) Tetrachloroethene	8.550	164	82957	4.791	ug/L	100
48) 2-Hexanone	8.682	43	438623	44.364	ug/L	100
49) Dibromochloromethane	8.804	129	87683	4.616	ug/L	100
50) 1,2-Dibromoethane	8.920	107	72619	4.646	ug/L	100
51) Chlorobenzene	9.444	112	286061	4.592	ug/L	100
52) Ethylbenzene	9.566	91	499724	4.647	ug/L	100
53) m,p-Xylene	9.692	106	186884	4.635	ug/L	100
54) o-Xylene	10.097	106	183456	4.723	ug/L	100
55) Styrene	10.110	104	305563	4.781	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.778	83	91248	4.555	ug/L	100
59) Bromoform	10.287	173	48332	4.998	ug/L	100
60) Isopropylbenzene	10.479	105	495086	4.860	ug/L	100
61) 1,2,3-Trichloropropane	10.817	75	65332	4.611	ug/L	100
62) 1,3,5-Trimethylbenzene	11.084	105	396513	4.589	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	373838	4.669	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	228180	4.798	ug/L	100
65) 1,4-Dichlorobenzene	11.833	146	224961	4.732	ug/L	100
67) 1,2-Dichlorobenzene	12.209	146	207512	4.801	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.994	75	11810	4.402	ug/L	100
69) 1,3,5-Trichlorobenzene	13.216	180	153519	4.832	ug/L	100
70) 1,2,4-trichlorobenzene	13.836	180	109675	4.463	ug/L	100
71) Naphthalene	14.084	128	156493	4.235	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	94388	4.591	ug/L	100

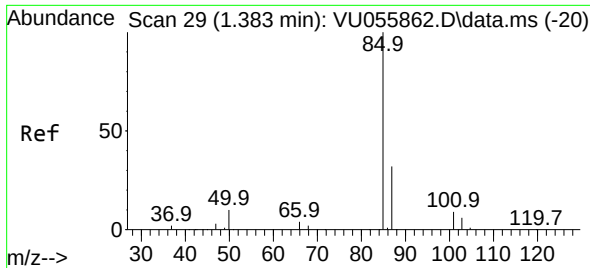
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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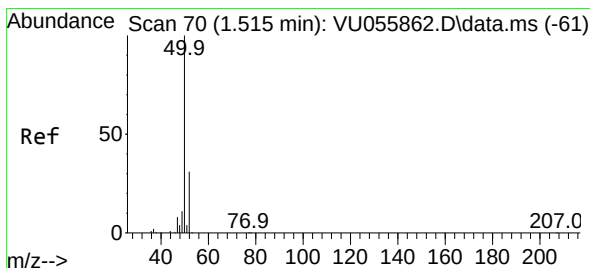
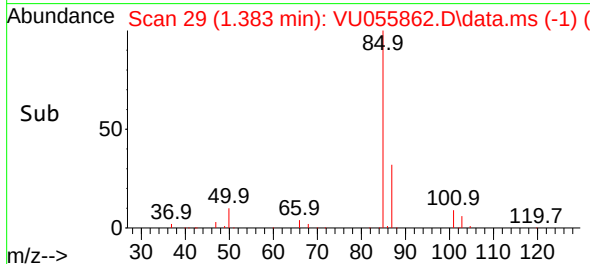
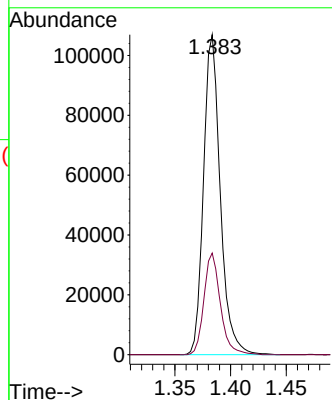
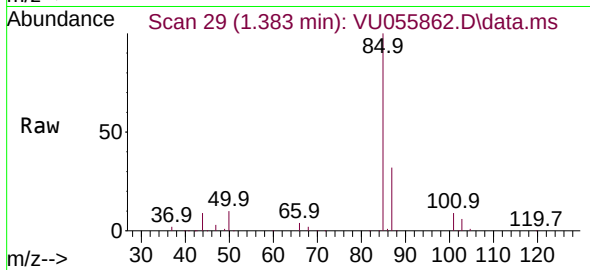




#2
 Dichlorodifluoromethane
 Concen: 4.860 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. 0.000 min
 Lab File: VU055862.D
 Acq: 24 Oct 2023 10:24

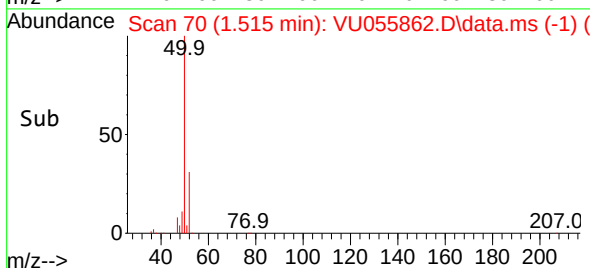
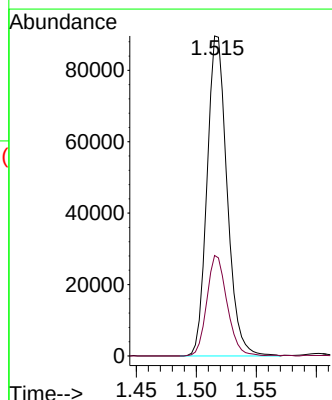
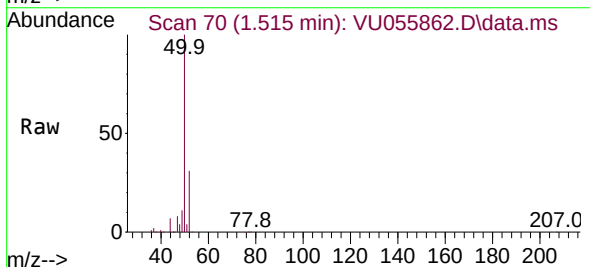
Instrument :
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 ClientSampleId :

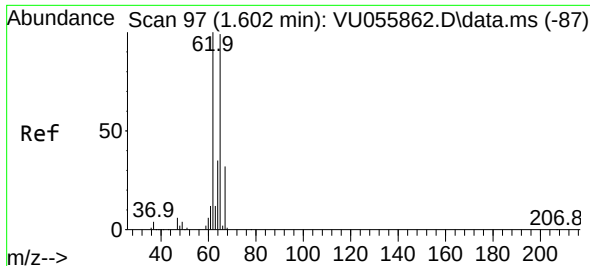
Tgt Ion: 85 Resp: 111929
 Ion Ratio Lower Upper
 85 100
 87 31.2 25.0 37.4



#3
 Chloromethane
 Concen: 4.369 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VU055862.D
 Acq: 24 Oct 2023 10:24

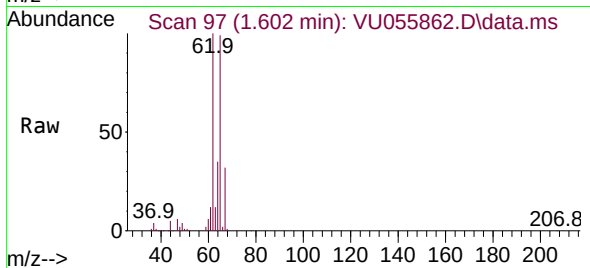
Tgt Ion: 50 Resp: 104253
 Ion Ratio Lower Upper
 50 100
 52 31.4 22.0 40.8



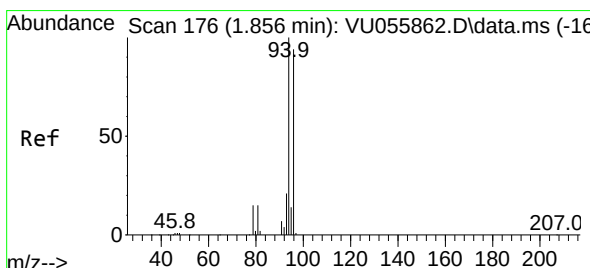
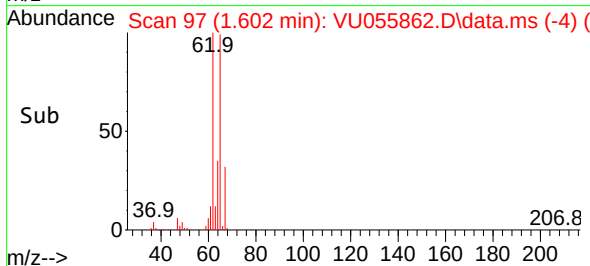
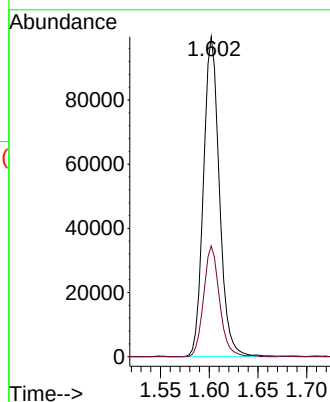


#5
 Vinyl chloride
 Concen: 4.589 ug/L
 RT: 1.602 min Scan# 97
 Delta R.T. 0.000 min
 Lab File: VU055862.D
 Acq: 24 Oct 2023 10:24

Instrument :
 MSVOA_U
 ClientSampleId :

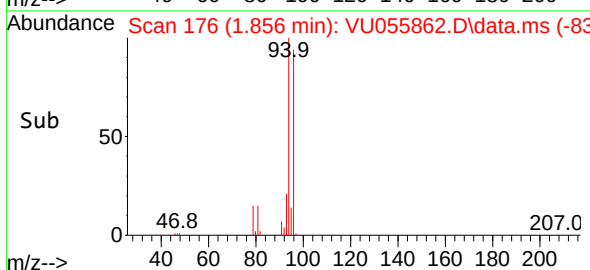
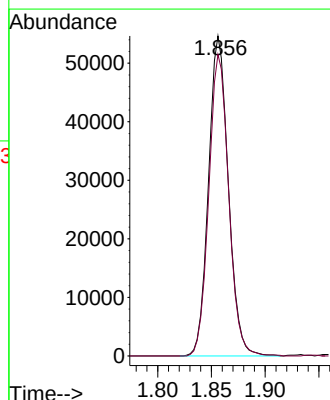
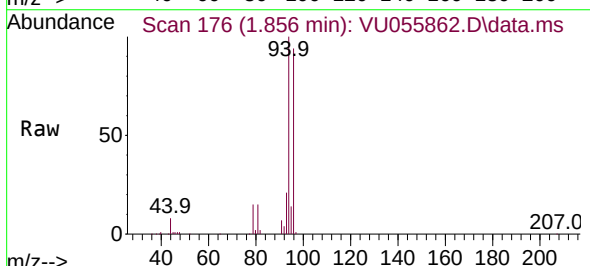


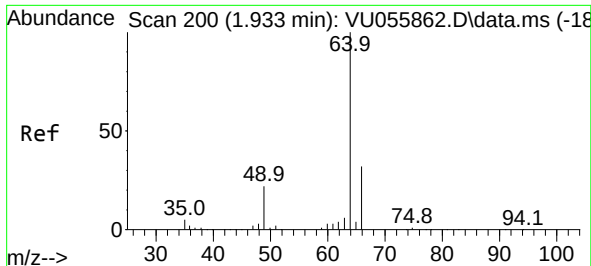
Tgt Ion: 62 Resp: 113589
 Ion Ratio Lower Upper
 62 100
 64 34.6 24.2 45.0



#6
 Bromomethane
 Concen: 4.525 ug/L
 RT: 1.856 min Scan# 176
 Delta R.T. 0.000 min
 Lab File: VU055862.D
 Acq: 24 Oct 2023 10:24

Tgt Ion: 94 Resp: 70103
 Ion Ratio Lower Upper
 94 100
 96 94.2 65.9 122.5

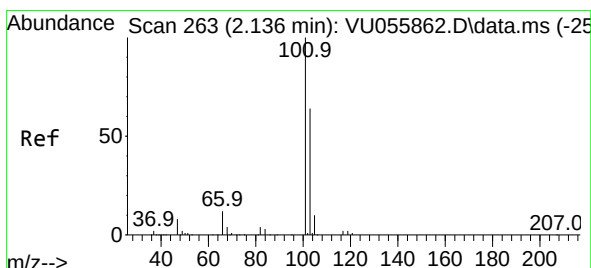
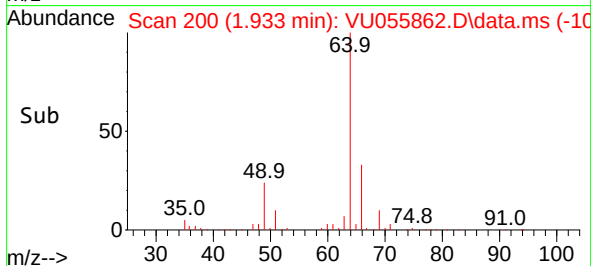
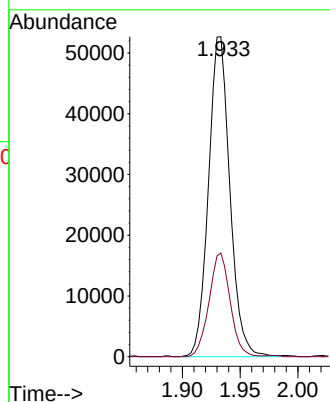
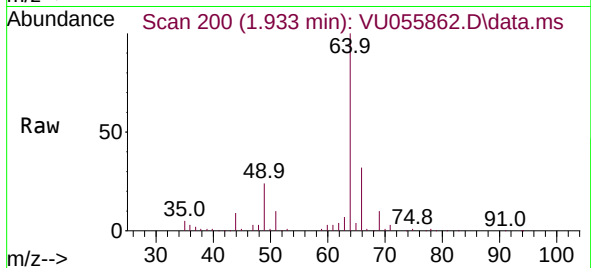




#8
Chloroethane
Concen: 4.217 ug/L
RT: 1.933 min Scan# 200
Delta R.T. 0.000 min
Lab File: VU055862.D
Acq: 24 Oct 2023 10:24

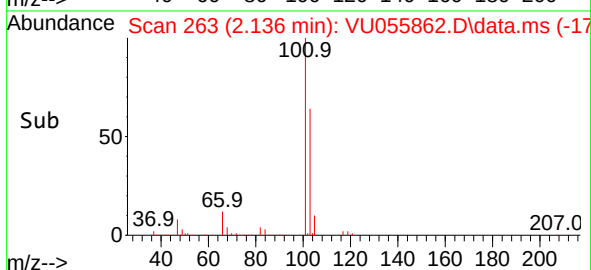
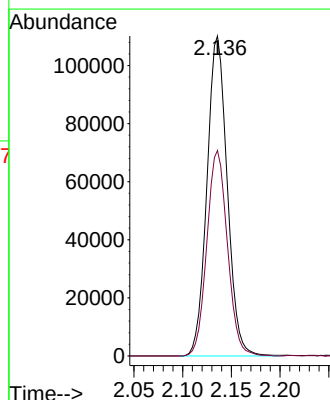
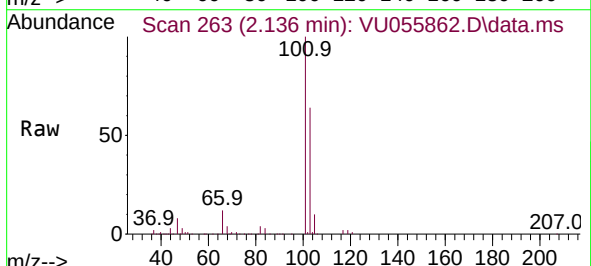
Instrument :
MSVOA_U
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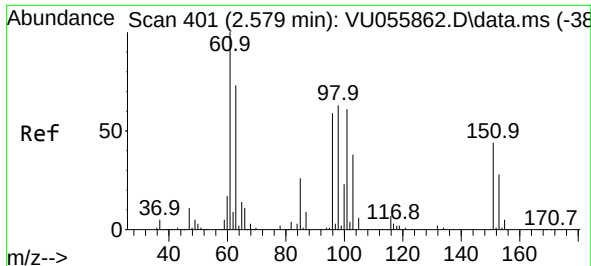
Tgt Ion: 64 Resp: 67883
Ion Ratio Lower Upper
64 100
66 32.4 22.7 42.1



#9
Trichlorofluoromethane
Concen: 4.545 ug/L
RT: 2.136 min Scan# 263
Delta R.T. 0.000 min
Lab File: VU055862.D
Acq: 24 Oct 2023 10:24

Tgt Ion:101 Resp: 159329
Ion Ratio Lower Upper
101 100
103 65.2 52.2 78.2

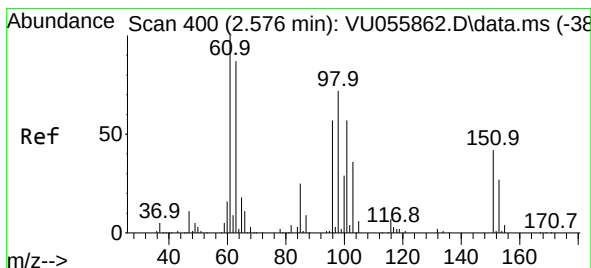
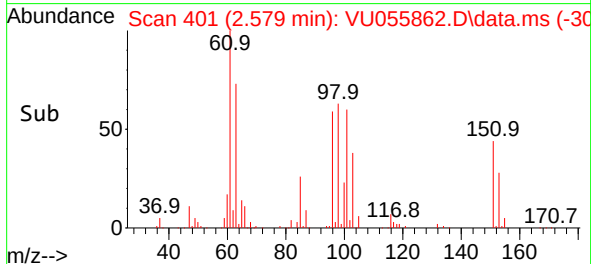
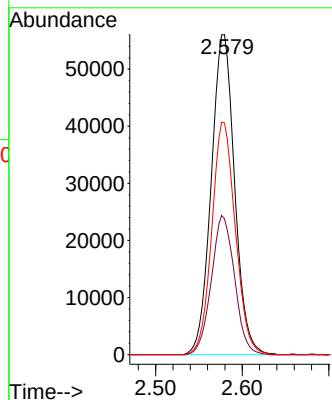
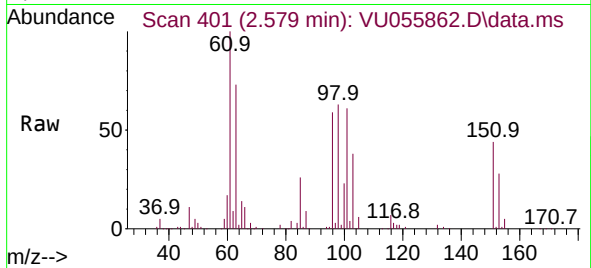




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.324 ug/L
 RT: 2.579 min Scan# 401
 Delta R.T. 0.000 min
 Lab File: VU055862.D
 Acq: 24 Oct 2023 10:24

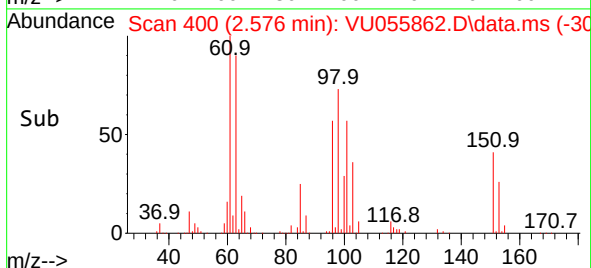
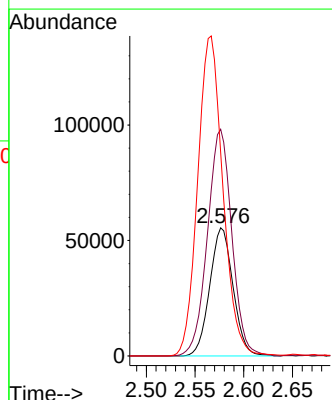
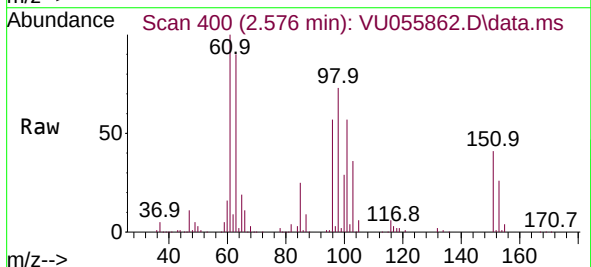
Instrument :
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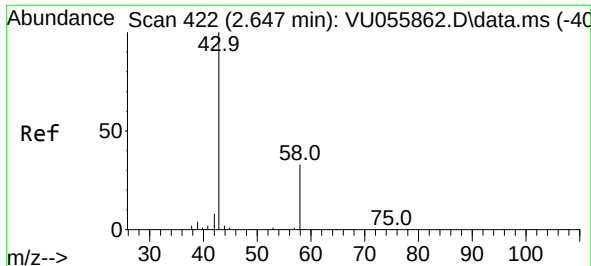
Tgt Ion:101 Resp: 105272
 Ion Ratio Lower Upper
 101 100
 85 43.0 34.4 51.6
 151 73.0 58.4 87.6



#12
 1,1-Dichloroethene
 Concen: 5.340 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU055862.D
 Acq: 24 Oct 2023 10:24

Tgt Ion: 96 Resp: 92383
 Ion Ratio Lower Upper
 96 100
 61 176.9 123.8 230.0
 63 158.6 111.0 206.2





#13

Acetone

Concen: 45.945 ug/L

RT: 2.647 min Scan# 41

Delta R.T. 0.000 min

Lab File: VU055862.D

Acq: 24 Oct 2023 10:24

Instrument :

MSVOA_U

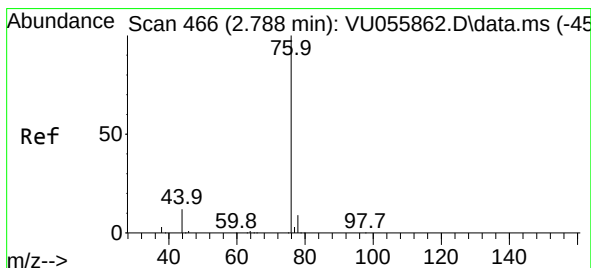
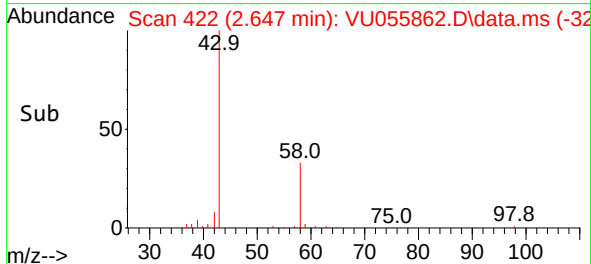
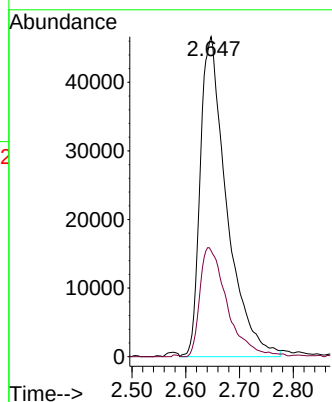
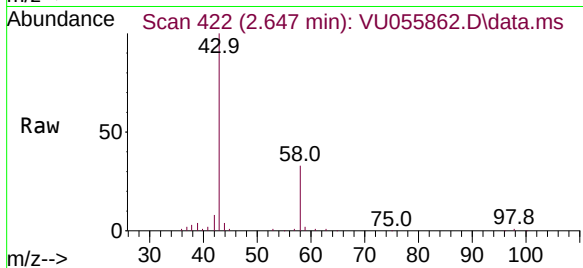
ClientSampleId :

Tgt Ion: 43 Resp: 159407

Ion Ratio Lower Upper

43 100

58 34.5 0.0 69.0



#14

Carbon disulfide

Concen: 4.995 ug/L

RT: 2.788 min Scan# 466

Delta R.T. 0.000 min

Lab File: VU055862.D

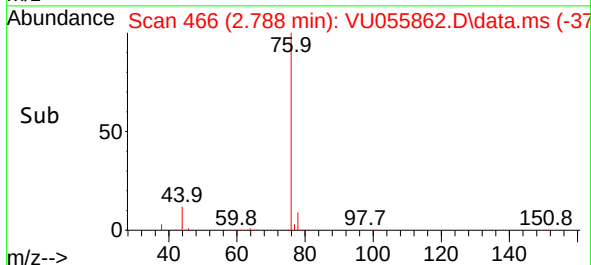
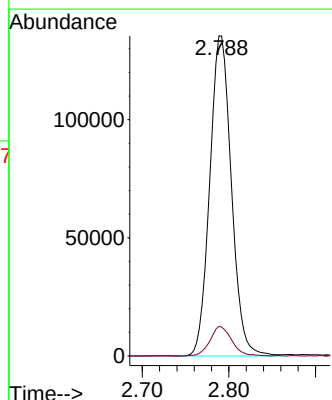
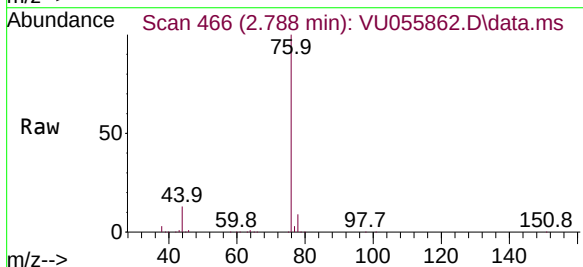
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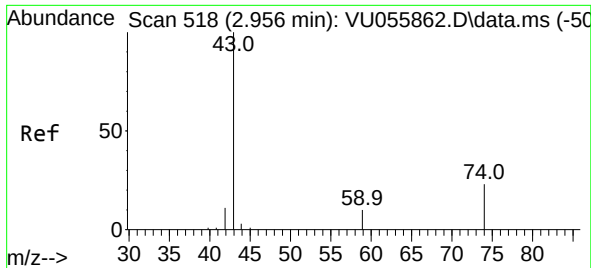
Tgt Ion: 76 Resp: 235491

Ion Ratio Lower Upper

76 100

78 9.4 7.5 11.3

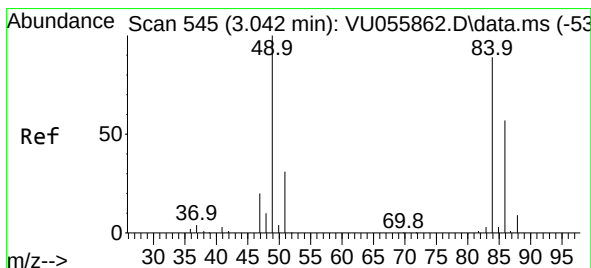
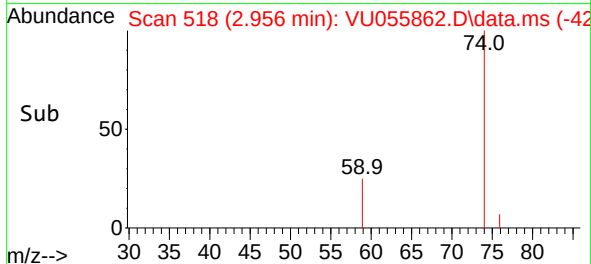
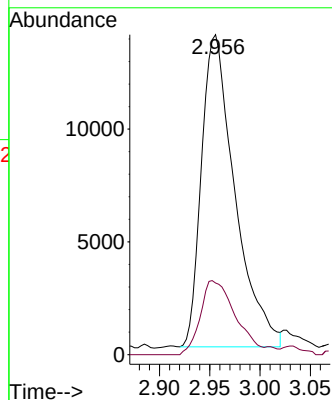
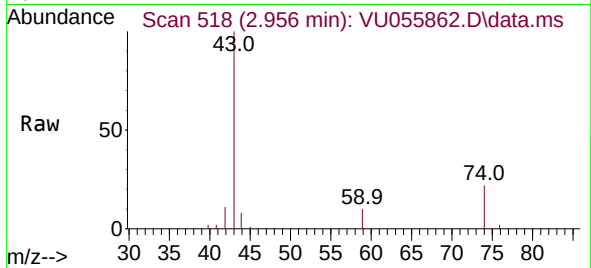




#15
Methyl Acetate
Concen: 4.589 ug/L
RT: 2.956 min Scan# 518
Delta R.T. 0.000 min
Lab File: VU055862.D
Acq: 24 Oct 2023 10:24

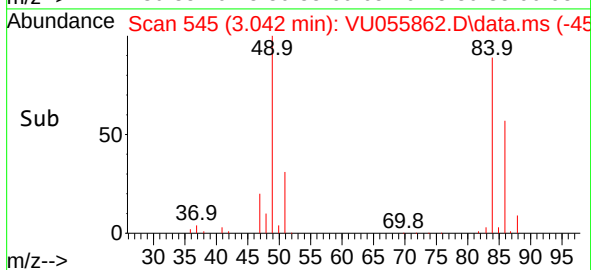
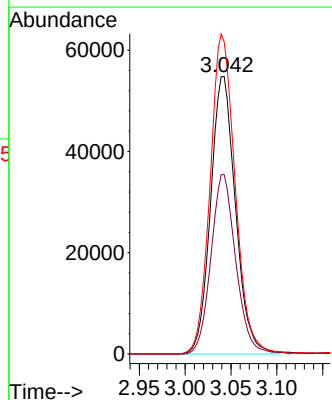
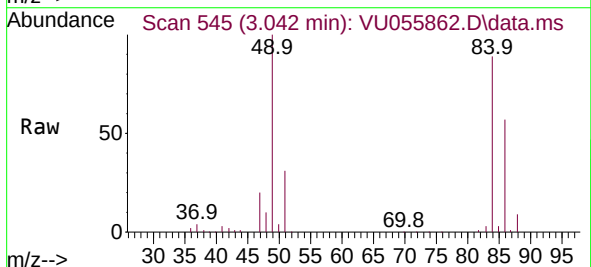
Instrument :
MSVOA_U
ClientSampleId :

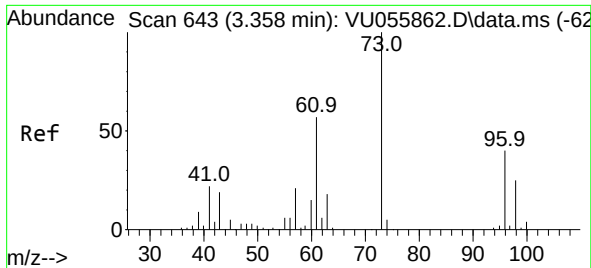
Tgt Ion: 43 Resp: 32007
Ion Ratio Lower Upper
43 100
74 24.9 19.9 29.9



#16
Methylene chloride
Concen: 3.963 ug/L
RT: 3.042 min Scan# 545
Delta R.T. 0.000 min
Lab File: VU055862.D
Acq: 24 Oct 2023 10:24

Tgt Ion: 84 Resp: 103492
Ion Ratio Lower Upper
84 100
86 64.6 45.2 84.0
49 112.5 78.8 146.3

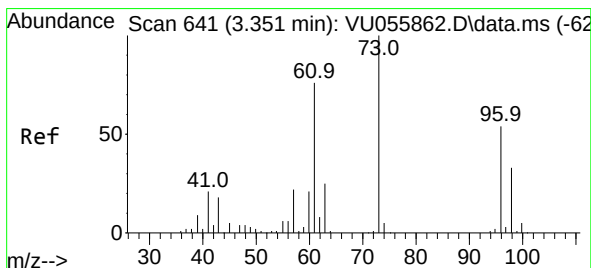
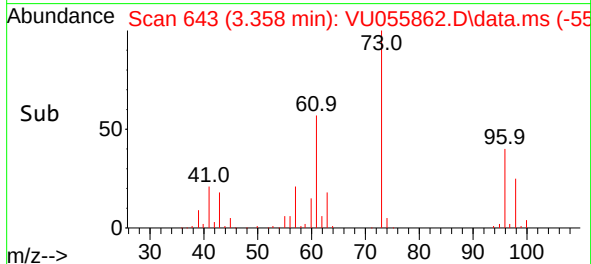
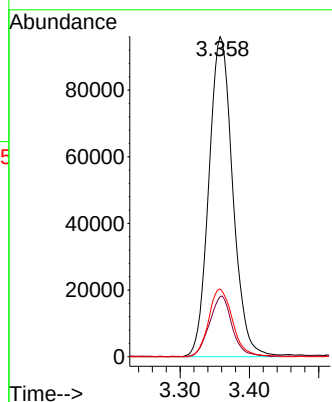
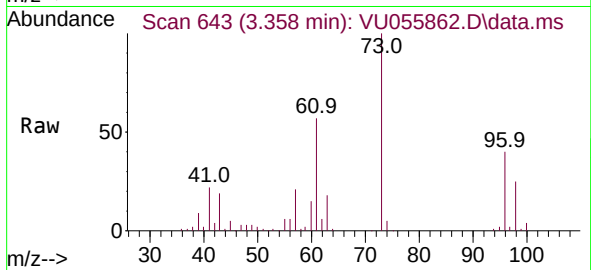




#17
Methyl tert-butyl Ether
Concen: 4.690 ug/L
RT: 3.358 min Scan# 643
Delta R.T. 0.000 min
Lab File: VU055862.D
Acq: 24 Oct 2023 10:24

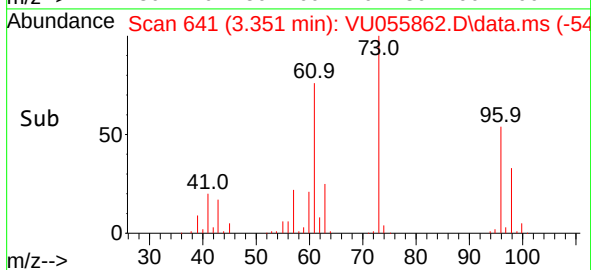
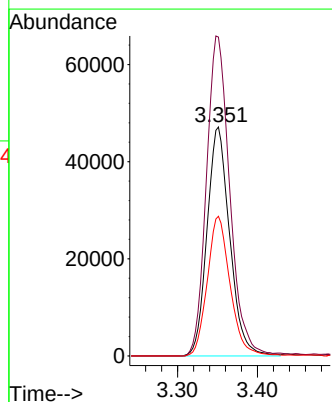
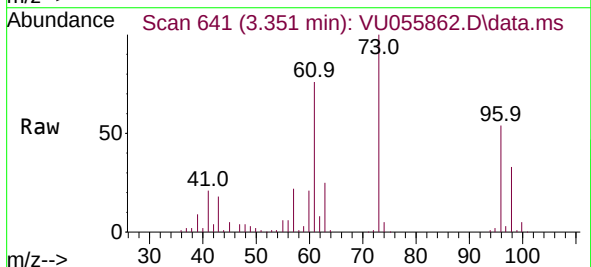
Instrument :
MSVOA_U
ClientSampleId :

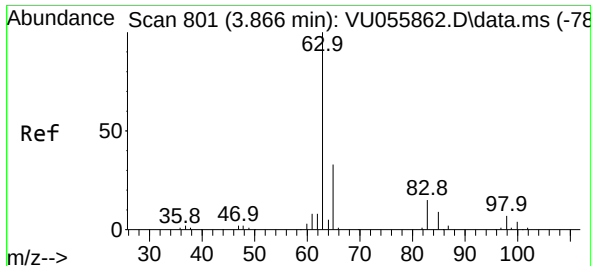
Tgt Ion: 73 Resp: 229969
Ion Ratio Lower Upper
73 100
43 18.0 14.4 21.6
57 21.2 17.0 25.4



#18
trans-1,2-Dichloroethene
Concen: 4.986 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.000 min
Lab File: VU055862.D
Acq: 24 Oct 2023 10:24

Tgt Ion: 96 Resp: 93095
Ion Ratio Lower Upper
96 100
61 139.3 97.5 181.1
98 61.0 42.7 79.3

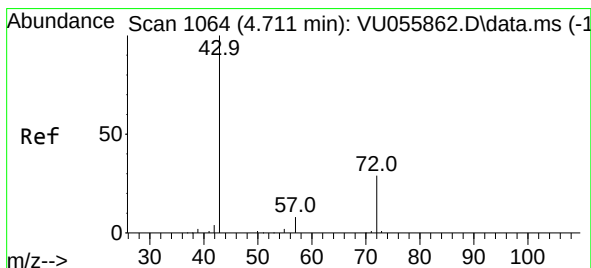
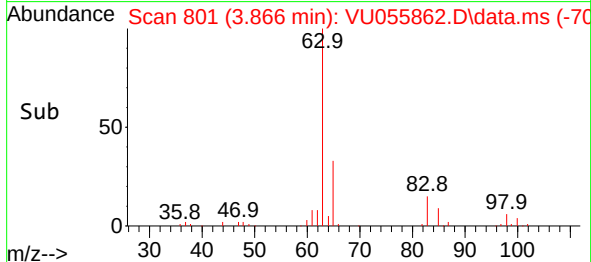
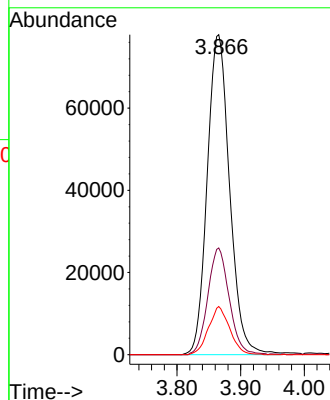
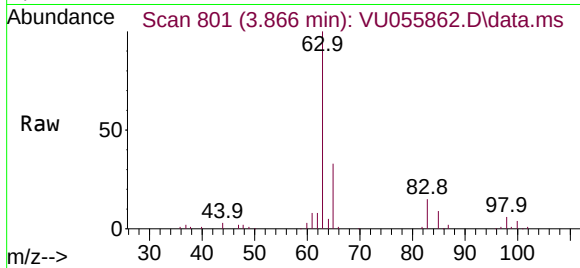




#19
1,1-Dichloroethane
Concen: 4.914 ug/L
RT: 3.866 min Scan# 801
Delta R.T. 0.000 min
Lab File: VU055862.D
Acq: 24 Oct 2023 10:24

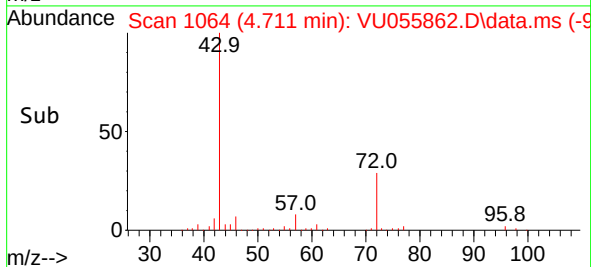
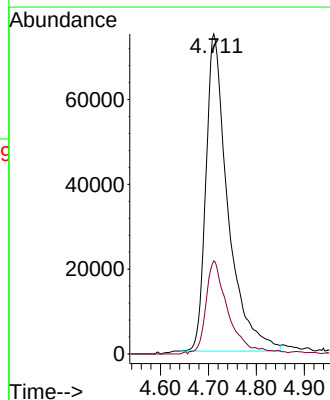
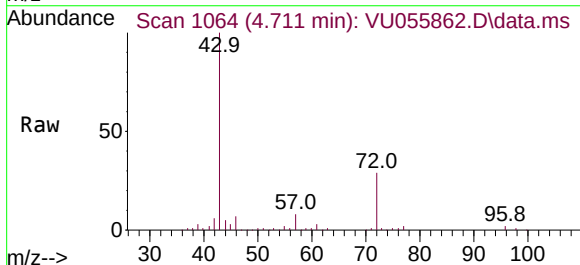
Instrument :
MSVOA_U
ClientSampleId :

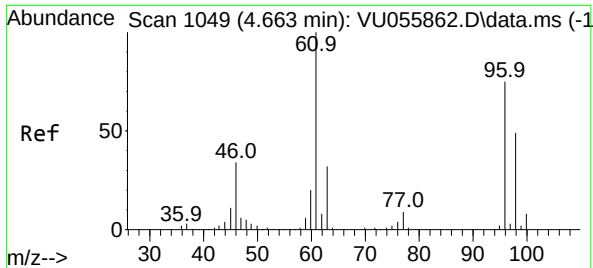
Tgt Ion: 63 Resp: 190355
Ion Ratio Lower Upper
63 100
65 33.3 23.3 43.3
83 15.0 10.5 19.5



#21
2-Butanone
Concen: 45.213 ug/L
RT: 4.711 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VU055862.D
Acq: 24 Oct 2023 10:24

Tgt Ion: 43 Resp: 238862
Ion Ratio Lower Upper
43 100
72 28.9 14.4 43.4

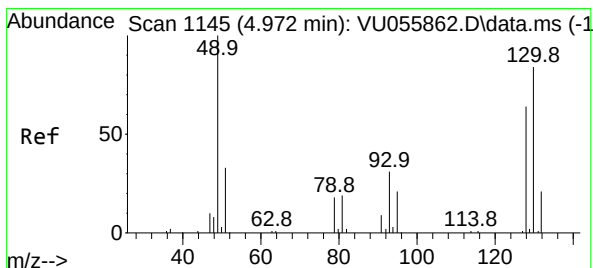
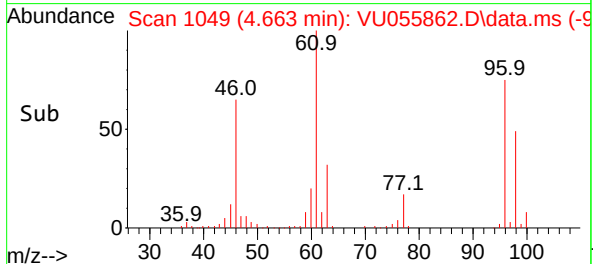
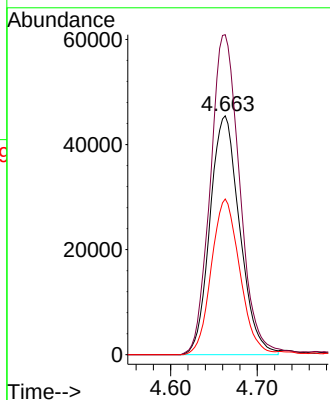
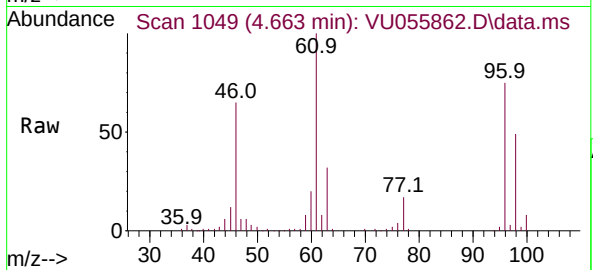




#22
 cis-1,2-Dichloroethene
 Concen: 4.952 ug/L
 RT: 4.663 min Scan# 1049
 Delta R.T. 0.000 min
 Lab File: VU055862.D
 Acq: 24 Oct 2023 10:24

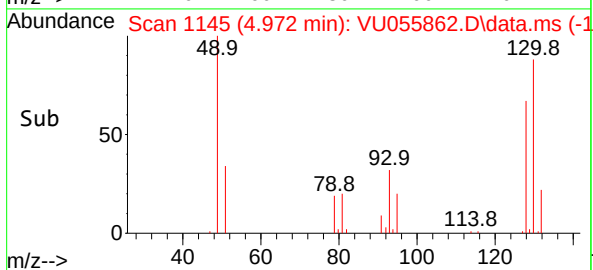
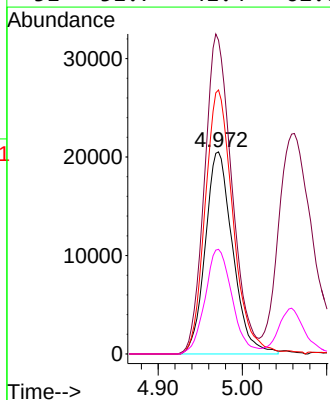
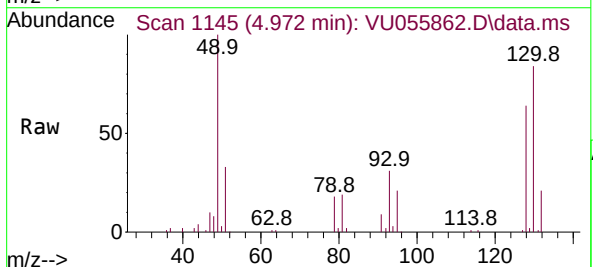
Instrument :
 MSVOA_U
 ClientSampleId :

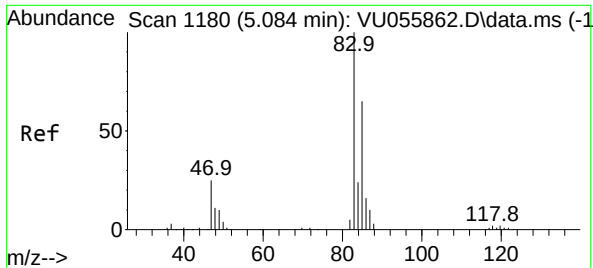
Tgt Ion: 96 Resp: 108311
 Ion Ratio Lower Upper
 96 100
 61 134.0 93.8 174.2
 98 65.2 45.6 84.8



#23
 Bromochloromethane
 Concen: 4.867 ug/L
 RT: 4.972 min Scan# 1145
 Delta R.T. 0.000 min
 Lab File: VU055862.D
 Acq: 24 Oct 2023 10:24

Tgt Ion:128 Resp: 46288
 Ion Ratio Lower Upper
 128 100
 49 155.3 108.7 201.9
 130 130.7 91.5 169.9
 51 51.7 41.4 62.0

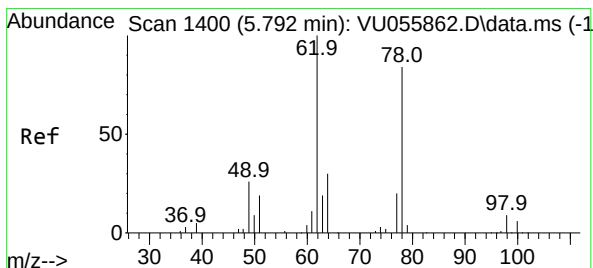
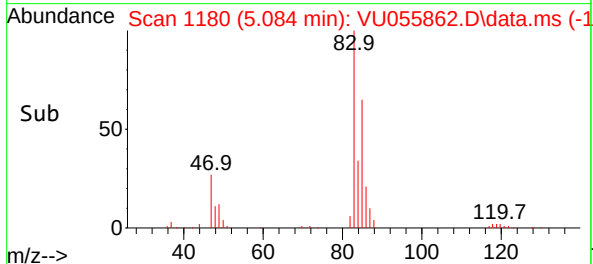
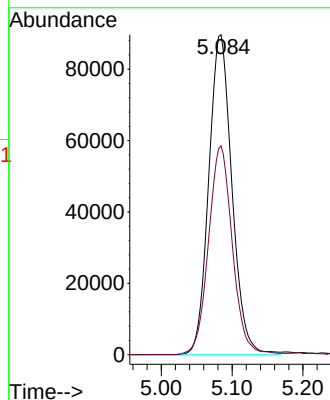
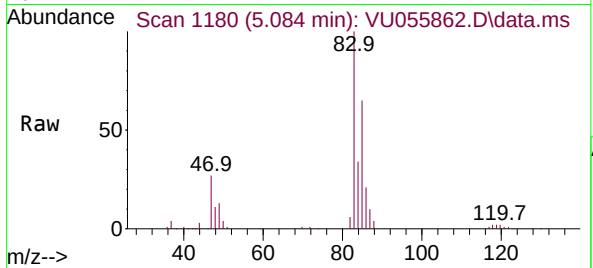




#25
Chloroform
Concen: 4.809 ug/L
RT: 5.084 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VU055862.D
Acq: 24 Oct 2023 10:24

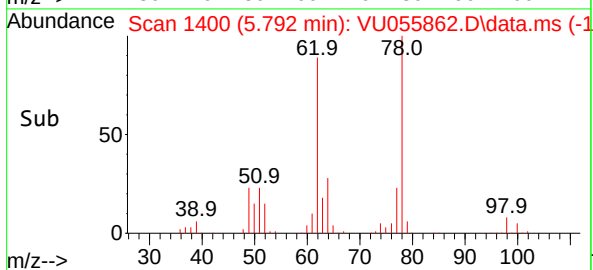
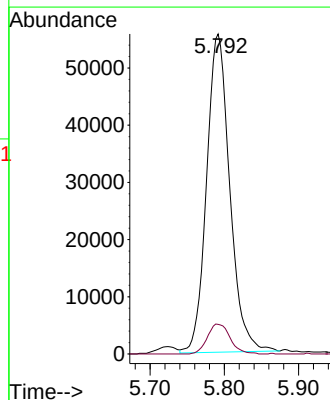
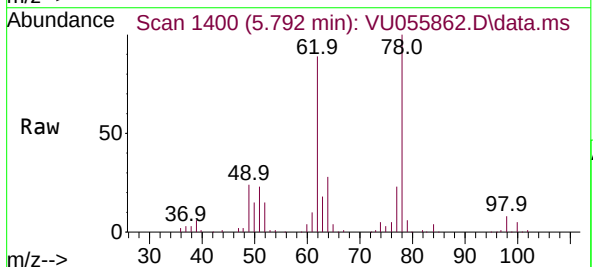
Instrument :
MSVOA_U
ClientSampleId :

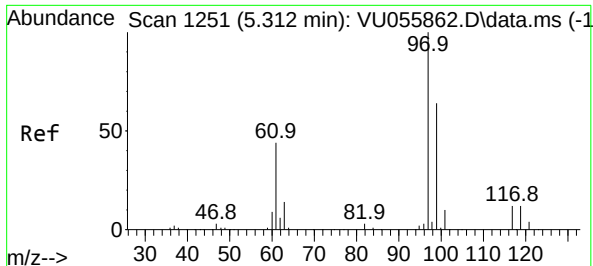
Tgt Ion: 83 Resp: 203724
Ion Ratio Lower Upper
83 100
85 65.2 45.6 84.8



#27
1,2-Dichloroethane
Concen: 4.658 ug/L
RT: 5.792 min Scan# 1400
Delta R.T. 0.000 min
Lab File: VU055862.D
Acq: 24 Oct 2023 10:24

Tgt Ion: 62 Resp: 120708
Ion Ratio Lower Upper
62 100
98 9.3 7.4 11.2

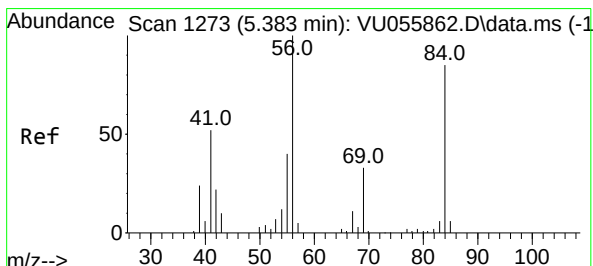
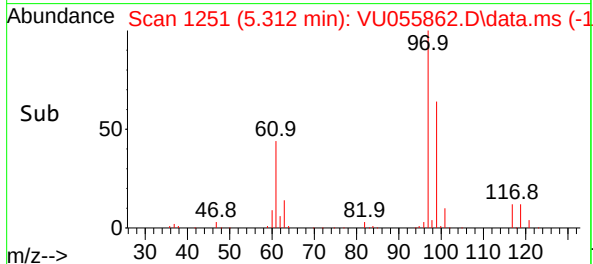
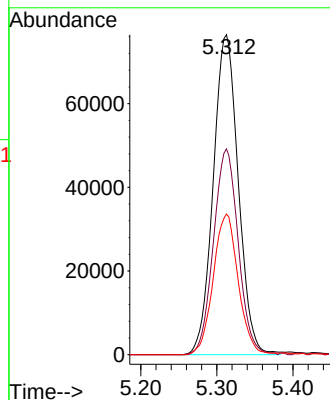
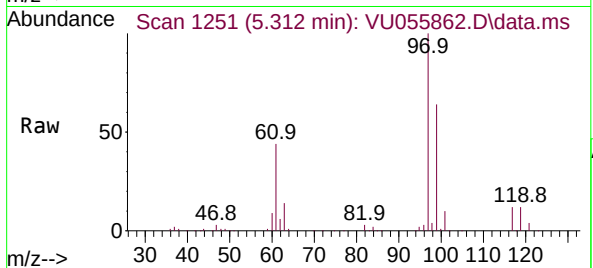




#29
1,1,1-Trichloroethane
Concen: 4.781 ug/L
RT: 5.312 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VU055862.D
Acq: 24 Oct 2023 10:24

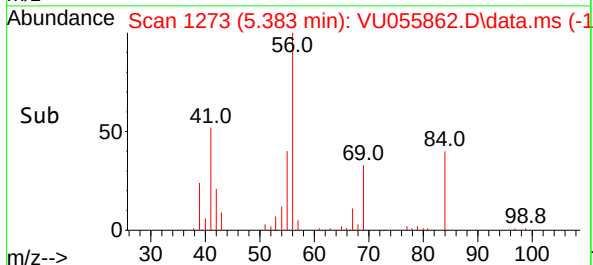
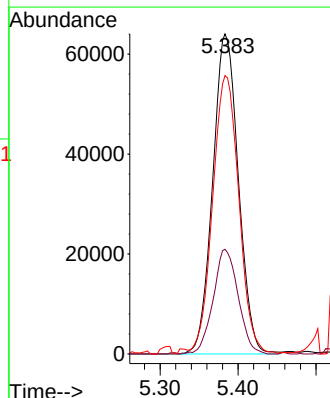
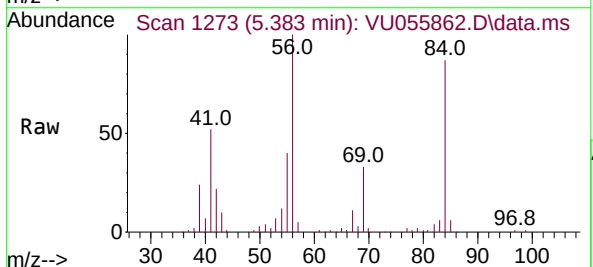
Instrument :
MSVOA_U
ClientSampleId :

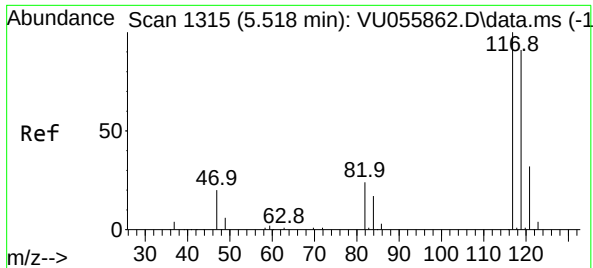
Tgt Ion: 97 Resp: 175381
Ion Ratio Lower Upper
97 100
99 63.5 50.8 76.2
61 43.7 35.0 52.4



#30
Cyclohexane
Concen: 4.599 ug/L
RT: 5.383 min Scan# 1273
Delta R.T. 0.000 min
Lab File: VU055862.D
Acq: 24 Oct 2023 10:24

Tgt Ion: 56 Resp: 146596
Ion Ratio Lower Upper
56 100
69 31.8 25.4 38.2
84 88.8 71.0 106.6

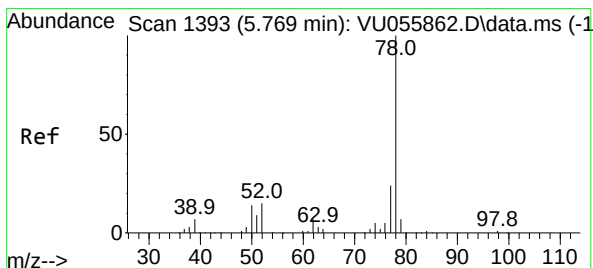
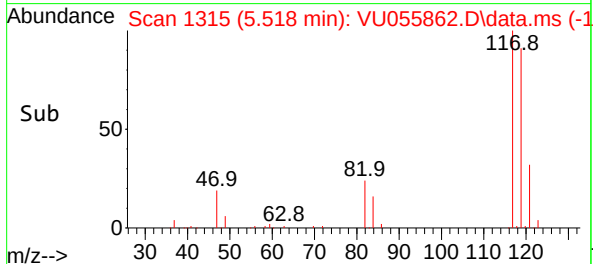
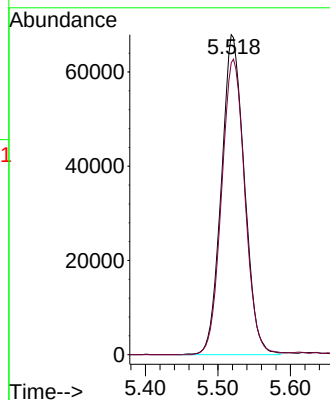
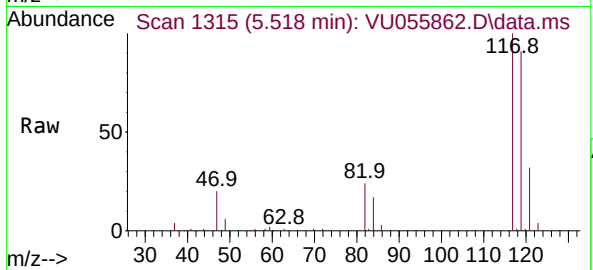




#31
Carbon tetrachloride
Concen: 4.789 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VU055862.D
Acq: 24 Oct 2023 10:24

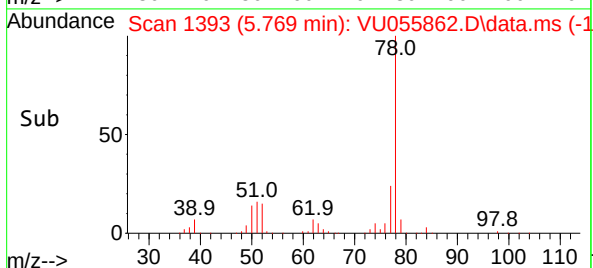
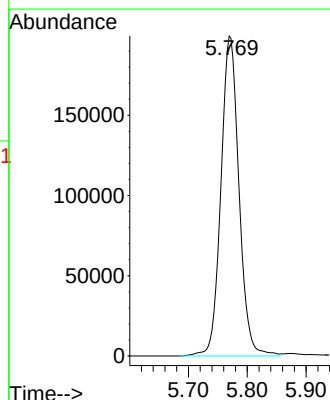
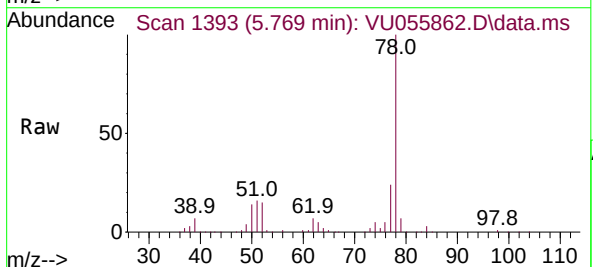
Instrument :
MSVOA_U
ClientSampleId :

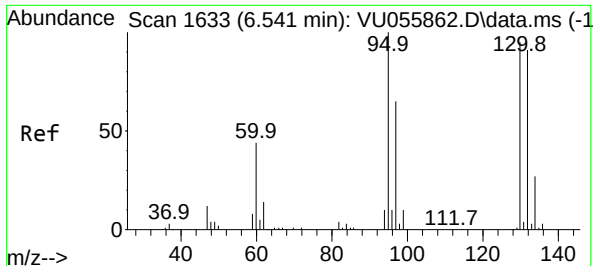
Tgt Ion:117 Resp: 149222
Ion Ratio Lower Upper
117 100
119 93.9 75.1 112.7



#33
Benzene
Concen: 4.882 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.000 min
Lab File: VU055862.D
Acq: 24 Oct 2023 10:24

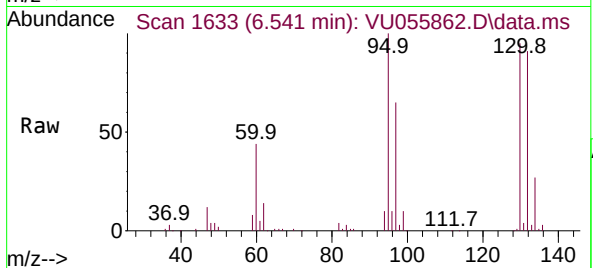
Tgt Ion: 78 Resp: 425204



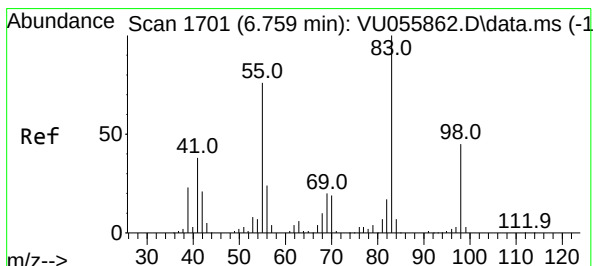
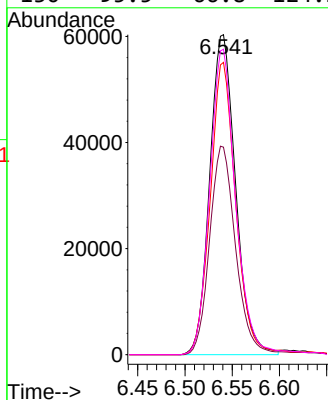
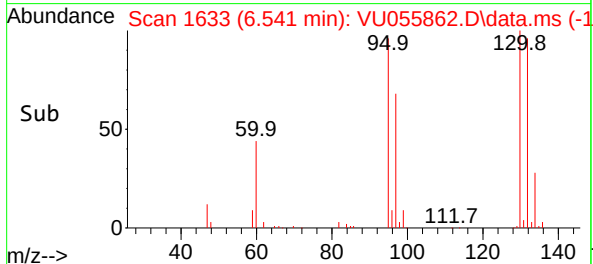


#34
Trichloroethene
Concen: 4.789 ug/L
RT: 6.541 min Scan# 1633
Delta R.T. 0.000 min
Lab File: VU055862.D
Acq: 24 Oct 2023 10:24

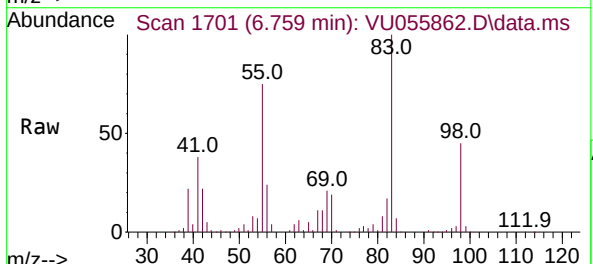
Instrument :
MSVOA_U
ClientSampleId :



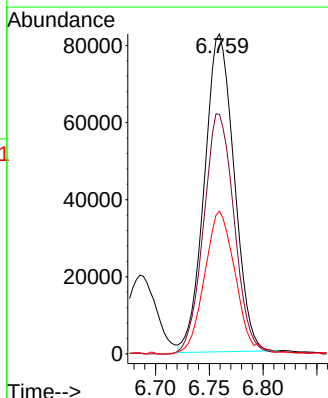
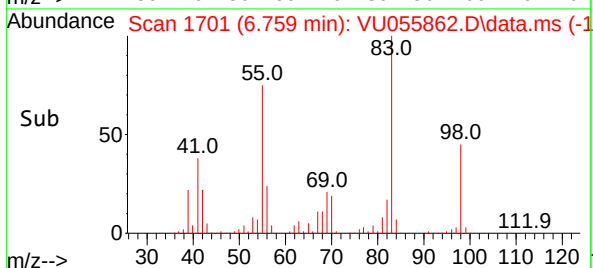
Tgt Ion: 95 Resp: 114990
Ion Ratio Lower Upper
95 100
97 64.8 45.4 84.2
132 91.3 63.9 118.7
130 95.5 66.8 124.2

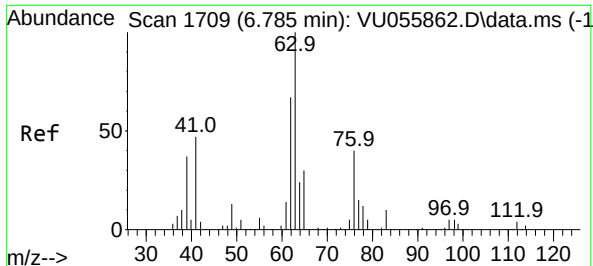


#35
Methylcyclohexane
Concen: 4.509 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VU055862.D
Acq: 24 Oct 2023 10:24



Tgt Ion: 83 Resp: 158187
Ion Ratio Lower Upper
83 100
55 78.0 62.4 93.6
98 46.8 37.4 56.2

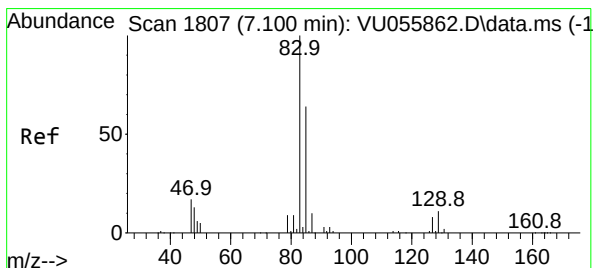
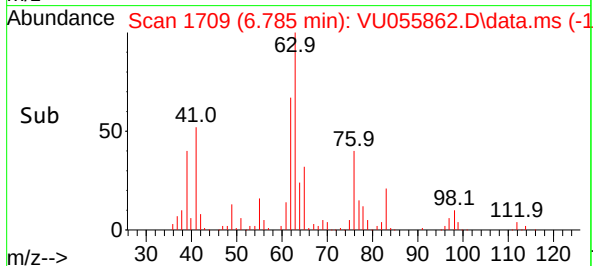
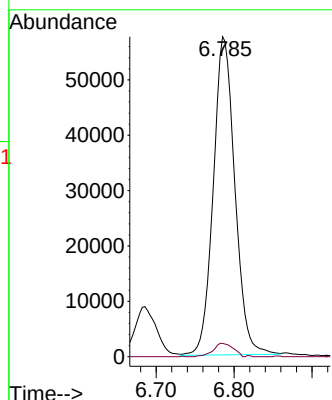
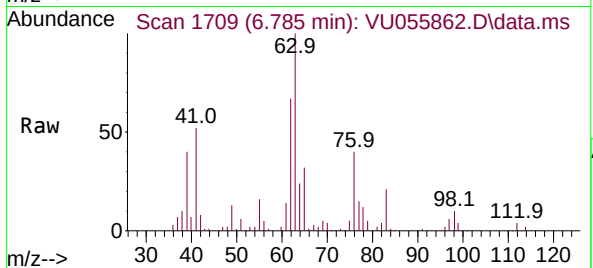




#37
1,2-Dichloropropane
Concen: 4.609 ug/L
RT: 6.785 min Scan# 1709
Delta R.T. 0.000 min
Lab File: VU055862.D
Acq: 24 Oct 2023 10:24

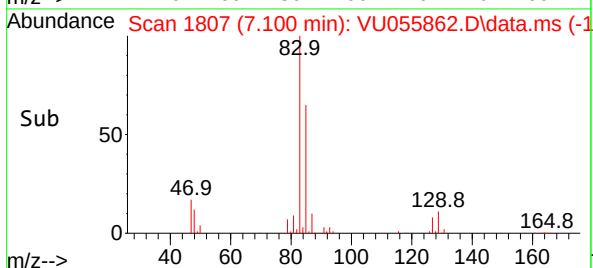
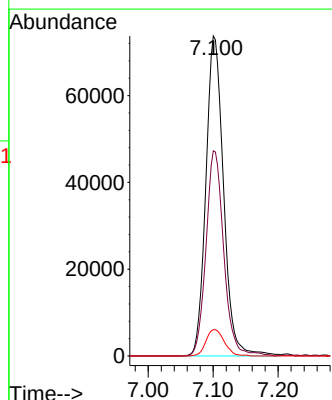
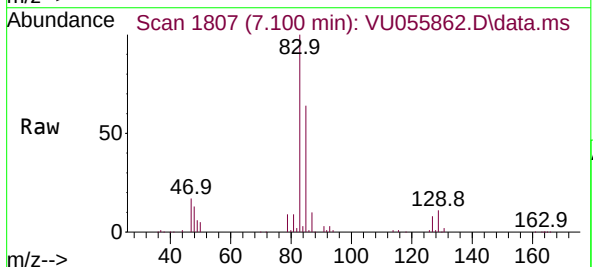
Instrument :
MSVOA_U
ClientSampleId :

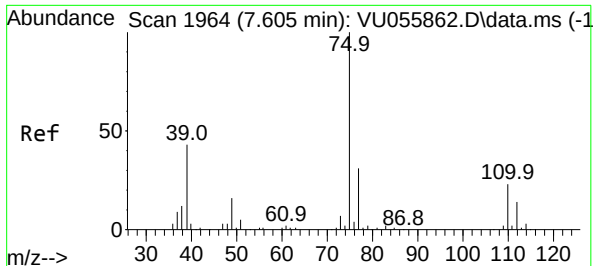
Tgt Ion: 63 Resp: 110844
Ion Ratio Lower Upper
63 100
112 3.9 3.1 4.7



#38
Bromodichloromethane
Concen: 4.673 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VU055862.D
Acq: 24 Oct 2023 10:24

Tgt Ion: 83 Resp: 139958
Ion Ratio Lower Upper
83 100
85 64.1 44.9 83.3
127 8.2 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 4.665 ug/L

RT: 7.605 min Scan# 1964

Delta R.T. 0.000 min

Lab File: VU055862.D

Acq: 24 Oct 2023 10:24

Instrument :

MSVOA_U

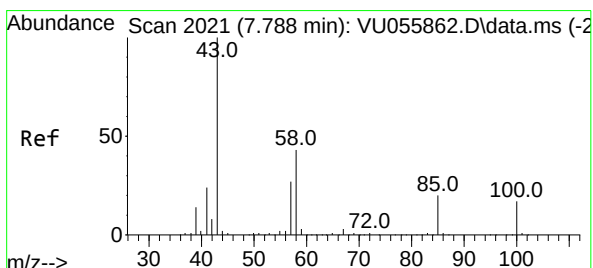
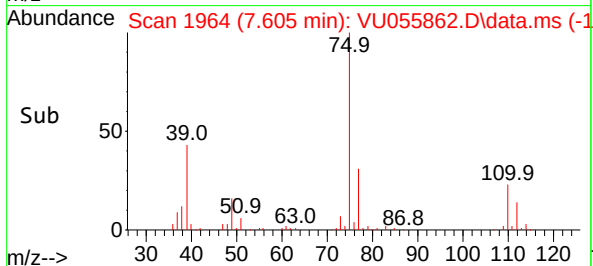
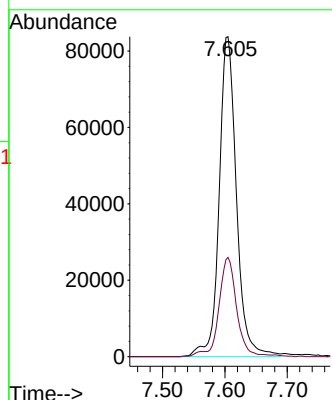
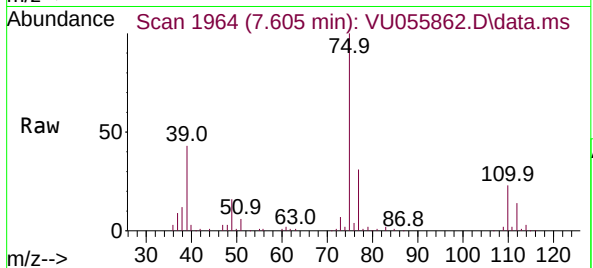
ClientSampleId :

Tgt Ion: 75 Resp: 160888

Ion Ratio Lower Upper

75 100

77 31.0 21.7 40.3



#40

4-Methyl-2-pentanone

Concen: 41.704 ug/L

RT: 7.788 min Scan# 2021

Delta R.T. 0.000 min

Lab File: VU055862.D

Acq: 24 Oct 2023 10:24

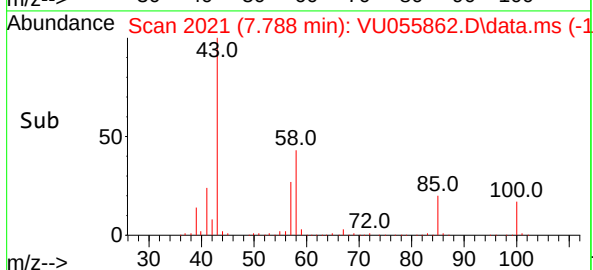
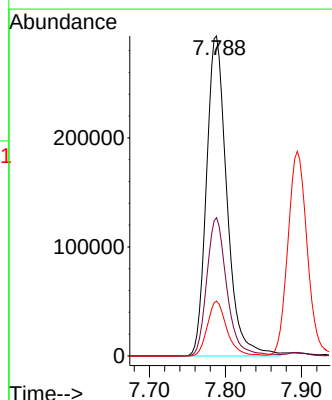
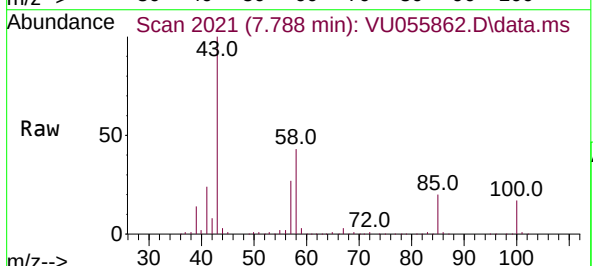
Tgt Ion: 43 Resp: 548654

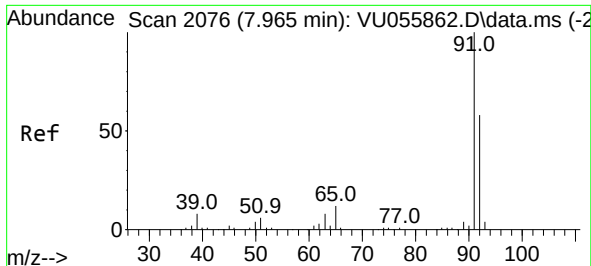
Ion Ratio Lower Upper

43 100

58 42.5 34.0 51.0

100 16.3 13.0 19.6





#42

Toluene

Concen: 4.719 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU055862.D

Acq: 24 Oct 2023 10:24

Instrument :

MSVOA_U

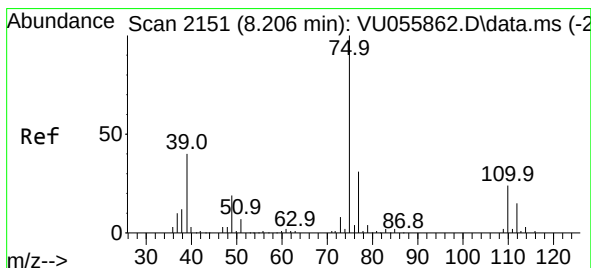
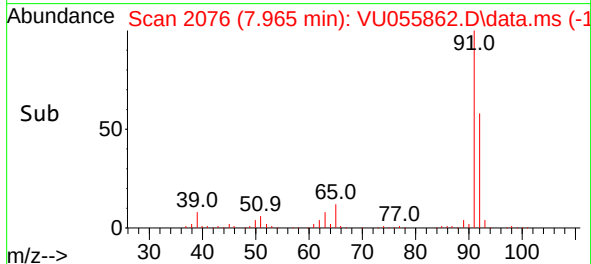
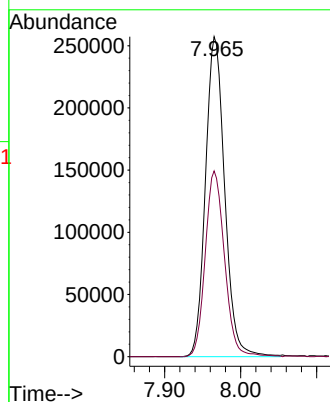
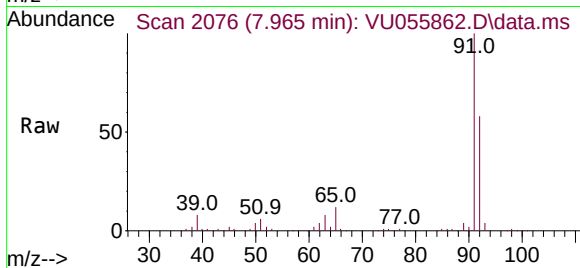
ClientSampleId :

Tgt Ion: 91 Resp: 451934

Ion Ratio Lower Upper

91 100

92 58.0 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 4.574 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU055862.D

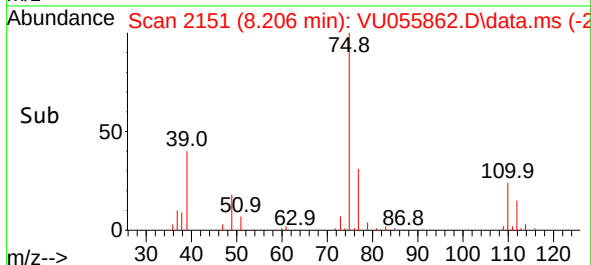
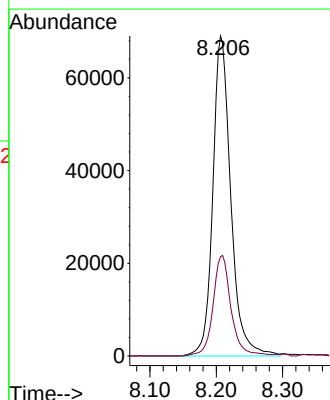
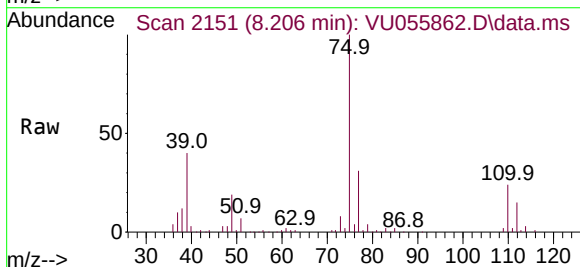
Acq: 24 Oct 2023 10:24

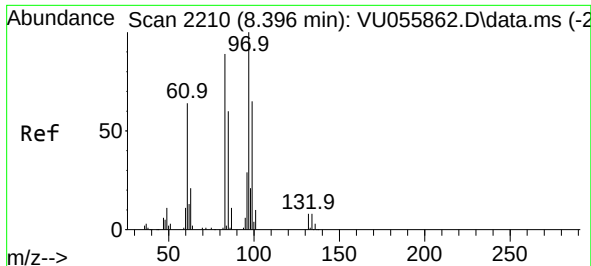
Tgt Ion: 75 Resp: 130138

Ion Ratio Lower Upper

75 100

77 31.0 21.7 40.3

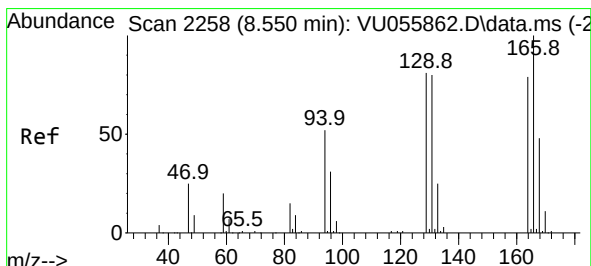
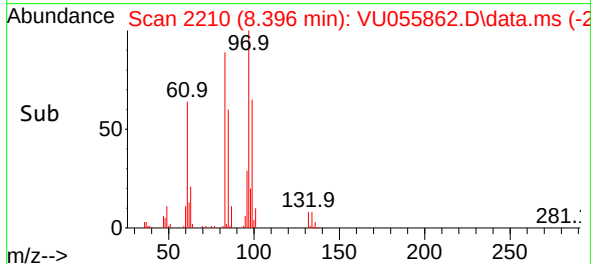
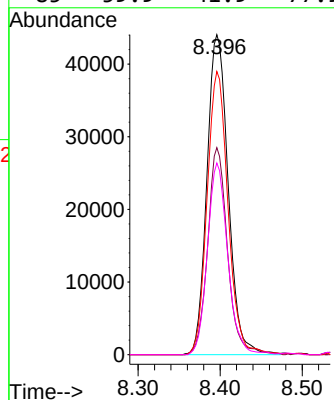
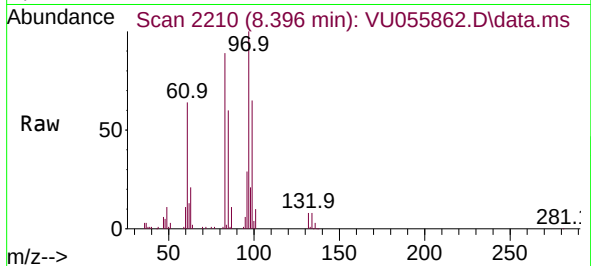




#45
1,1,2-Trichloroethane
Concen: 4.884 ug/L
RT: 8.396 min Scan# 2210
Delta R.T. 0.000 min
Lab File: VU055862.D
Acq: 24 Oct 2023 10:24

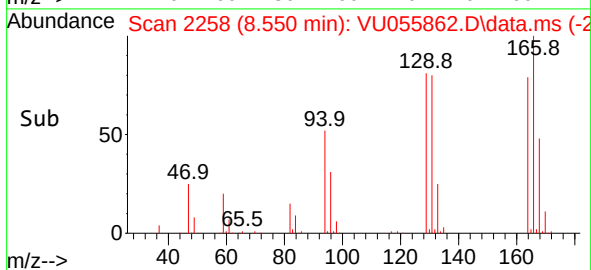
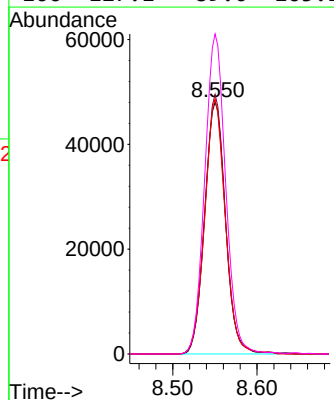
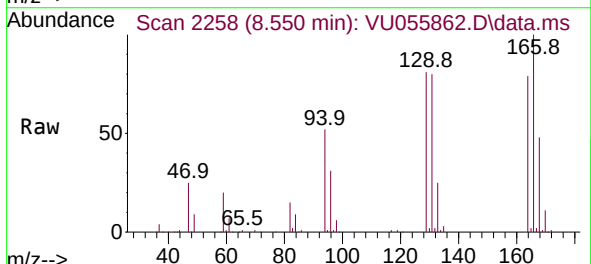
Instrument :
MSVOA_U
ClientSampleId :

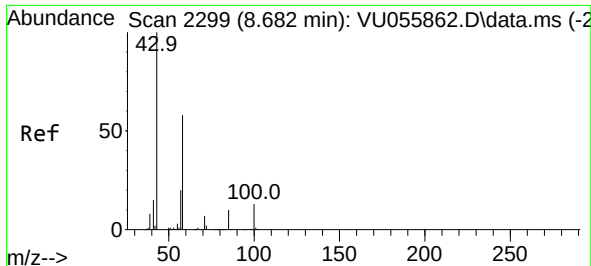
Tgt Ion:	97	Resp:	79374
Ion	Ratio	Lower	Upper
97	100		
99	64.7	45.3	84.1
83	88.5	61.9	115.1
85	59.9	41.9	77.9



#47
Tetrachloroethene
Concen: 4.791 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VU055862.D
Acq: 24 Oct 2023 10:24

Tgt Ion:	164	Resp:	82957
Ion	Ratio	Lower	Upper
164	100		
129	103.1	72.2	134.0
131	101.2	70.8	131.6
166	127.1	89.0	165.2

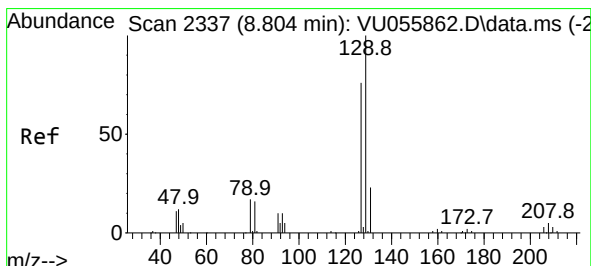
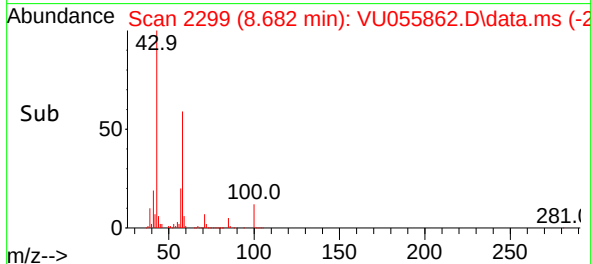
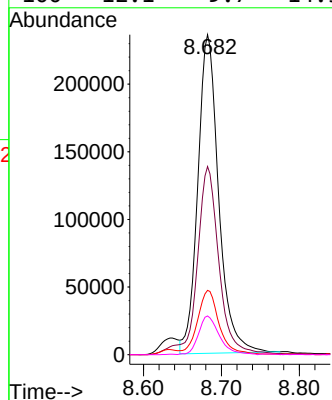
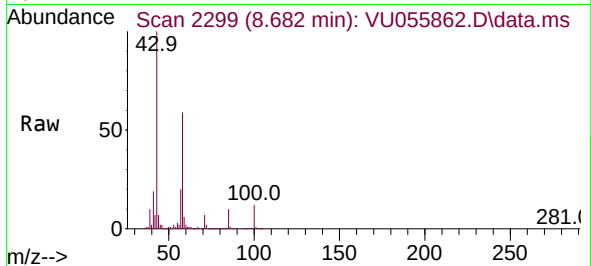




#48
2-Hexanone
Concen: 44.364 ug/L
RT: 8.682 min Scan# 2299
Delta R.T. 0.000 min
Lab File: VU055862.D
Acq: 24 Oct 2023 10:24

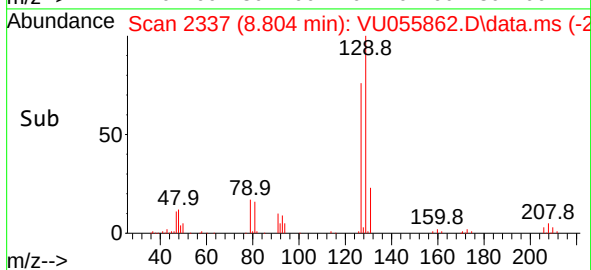
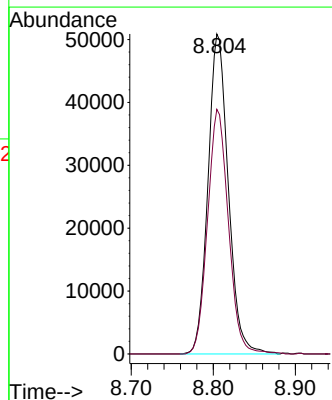
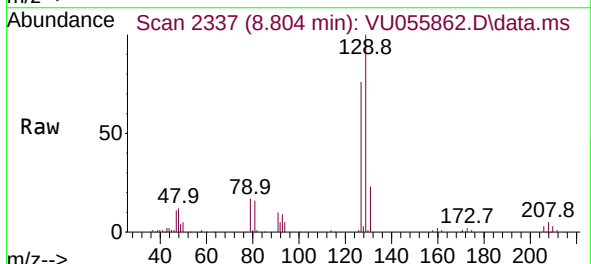
Instrument :
MSVOA_U
ClientSampleId :

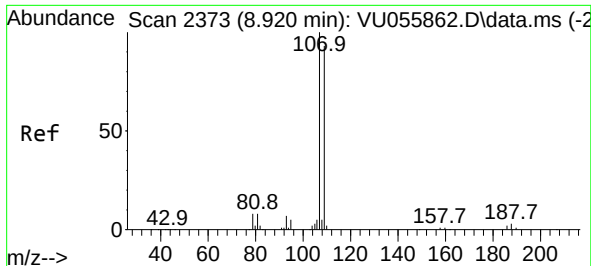
Tgt Ion: 43 Resp: 438623
Ion Ratio Lower Upper
43 100
58 61.9 49.5 74.3
57 21.1 16.9 25.3
100 12.1 9.7 14.5



#49
Dibromochloromethane
Concen: 4.616 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VU055862.D
Acq: 24 Oct 2023 10:24

Tgt Ion: 129 Resp: 87683
Ion Ratio Lower Upper
129 100
127 76.5 53.5 99.5





#50

1,2-Dibromoethane

Concen: 4.646 ug/L

RT: 8.920 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU055862.D

Acq: 24 Oct 2023 10:24

Instrument :

MSVOA_U

ClientSampleId :

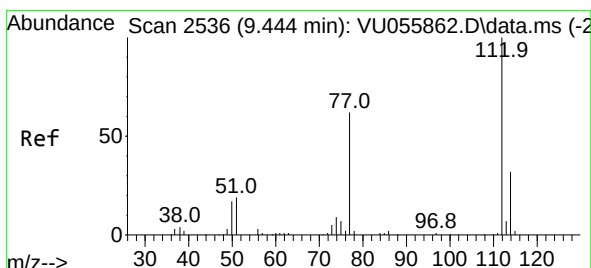
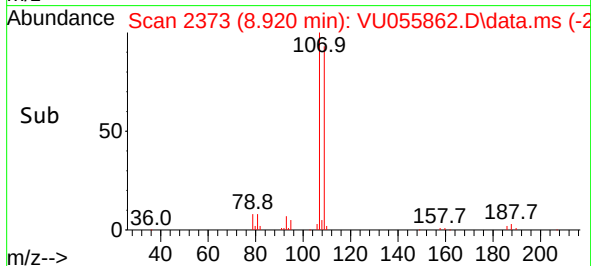
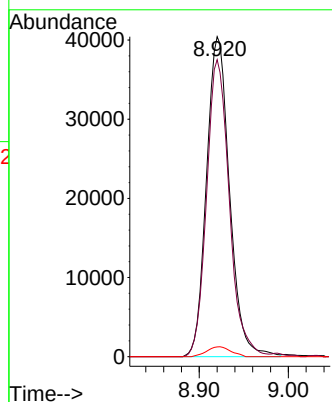
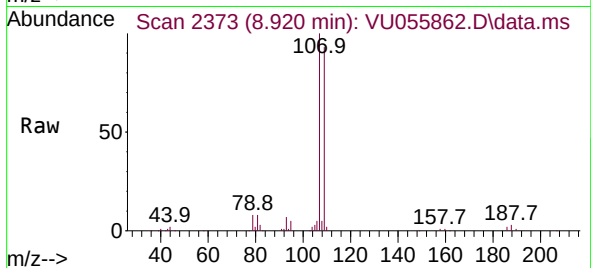
Tgt Ion:107 Resp: 72619

Ion Ratio Lower Upper

107 100

109 92.8 65.0 120.6

188 3.1 2.5 3.7



#51

Chlorobenzene

Concen: 4.592 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. 0.000 min

Lab File: VU055862.D

Acq: 24 Oct 2023 10:24

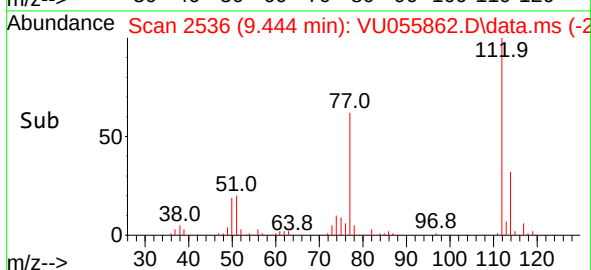
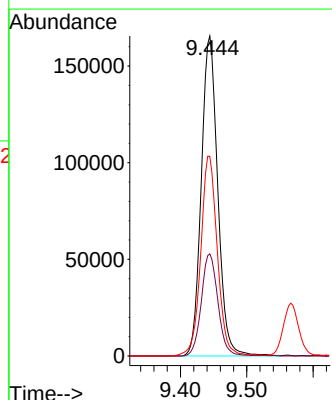
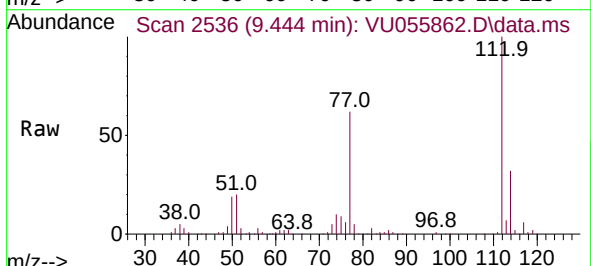
Tgt Ion:112 Resp: 286061

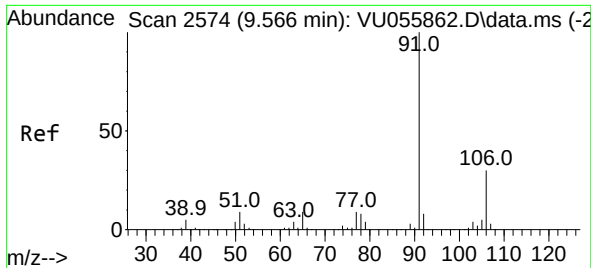
Ion Ratio Lower Upper

112 100

114 31.9 22.3 41.5

77 62.4 49.9 74.9

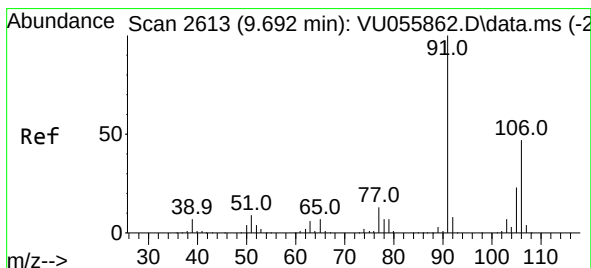
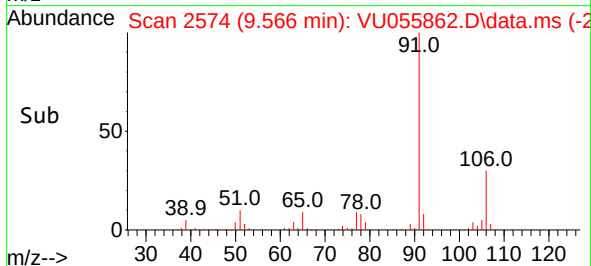
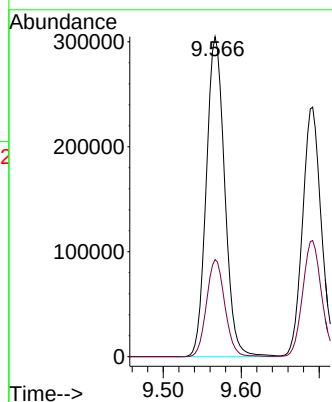
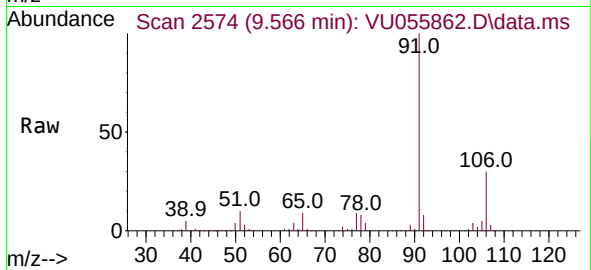




#52
Ethylbenzene
Concen: 4.647 ug/L
RT: 9.566 min Scan# 2574
Delta R.T. 0.000 min
Lab File: VU055862.D
Acq: 24 Oct 2023 10:24

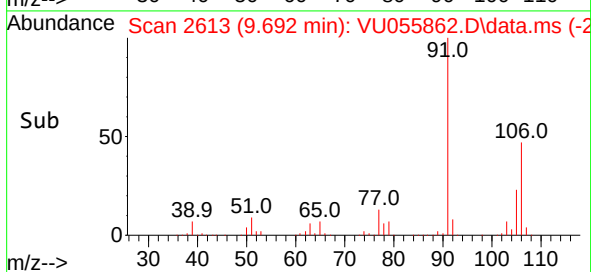
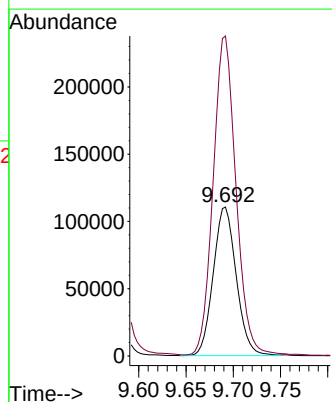
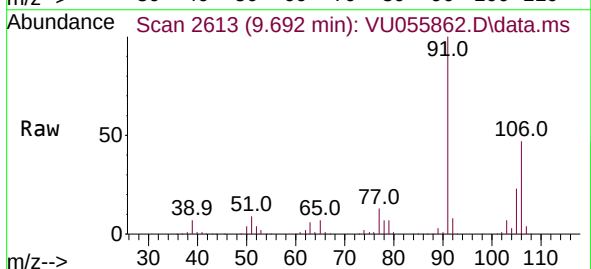
Instrument :
MSVOA_U
ClientSampleId :

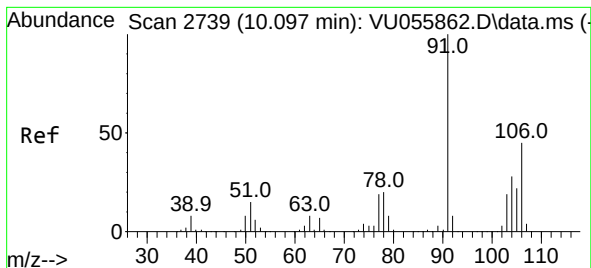
Tgt Ion: 91 Resp: 499724
Ion Ratio Lower Upper
91 100
106 30.4 21.3 39.5



#53
m,p-Xylene
Concen: 4.635 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.000 min
Lab File: VU055862.D
Acq: 24 Oct 2023 10:24

Tgt Ion: 106 Resp: 186884
Ion Ratio Lower Upper
106 100
91 214.8 150.4 279.2





#54

o-Xylene

Concen: 4.723 ug/L

RT: 10.097 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU055862.D

Acq: 24 Oct 2023 10:24

Instrument :

MSVOA_U

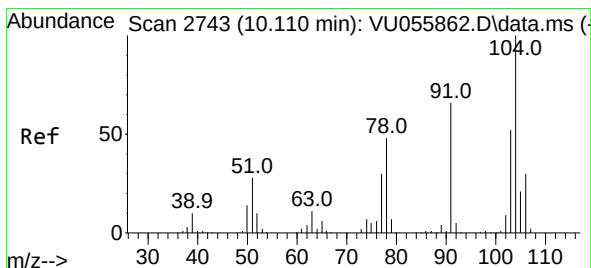
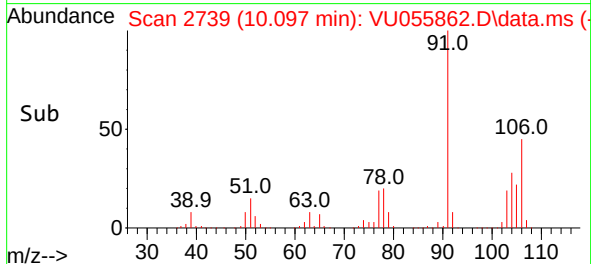
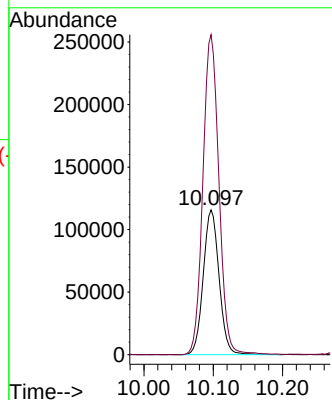
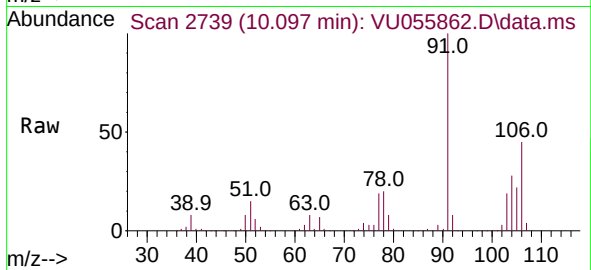
ClientSampleId :

Tgt Ion:106 Resp: 183456

Ion Ratio Lower Upper

106 100

91 220.9 154.6 287.2



#55

Styrene

Concen: 4.781 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. 0.000 min

Lab File: VU055862.D

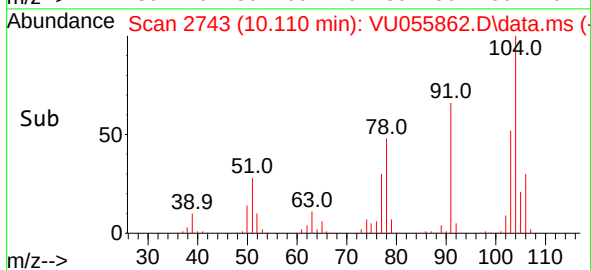
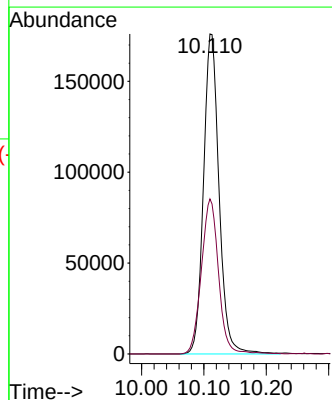
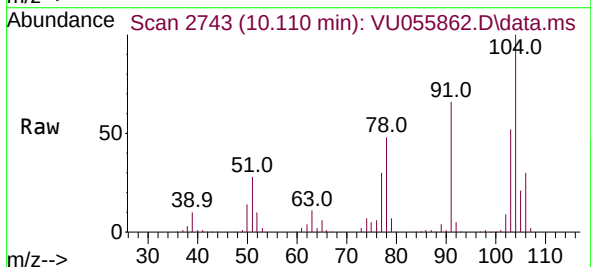
Acq: 24 Oct 2023 10:24

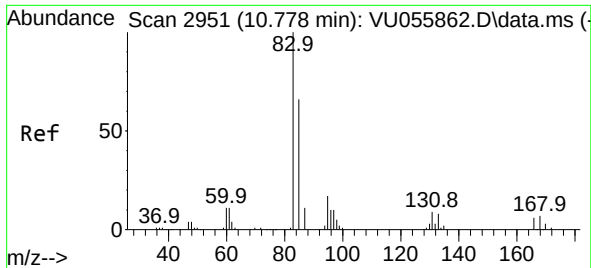
Tgt Ion:104 Resp: 305563

Ion Ratio Lower Upper

104 100

78 48.5 33.9 63.0

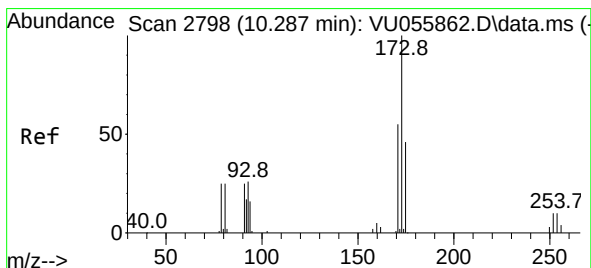
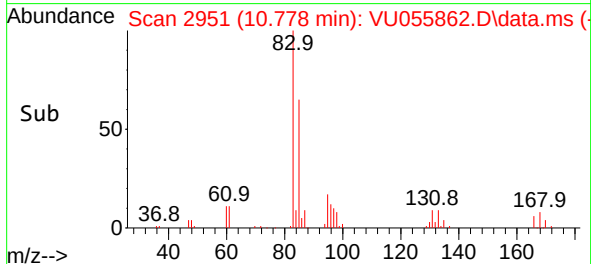
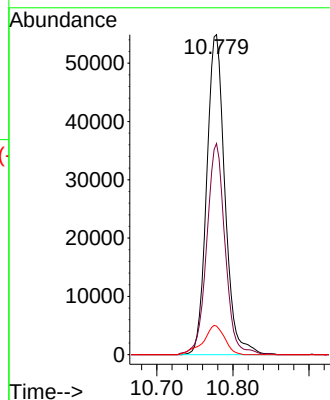
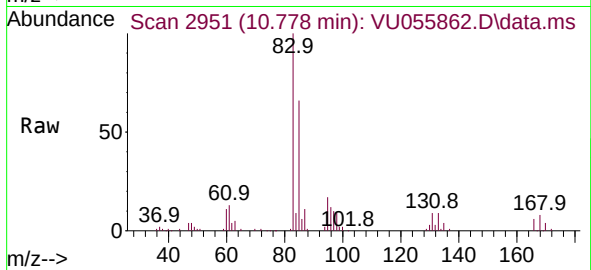




#57
1,1,2,2-Tetrachloroethane
Concen: 4.555 ug/L
RT: 10.778 min Scan# 2951
Delta R.T. 0.000 min
Lab File: VU055862.D
Acq: 24 Oct 2023 10:24

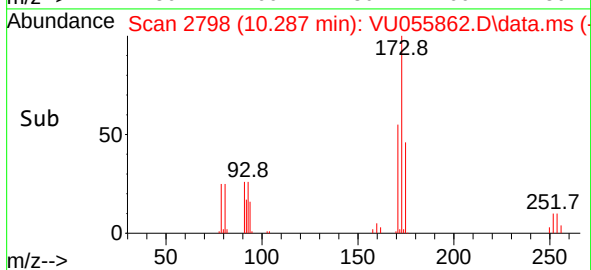
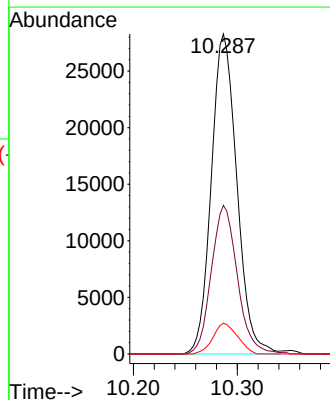
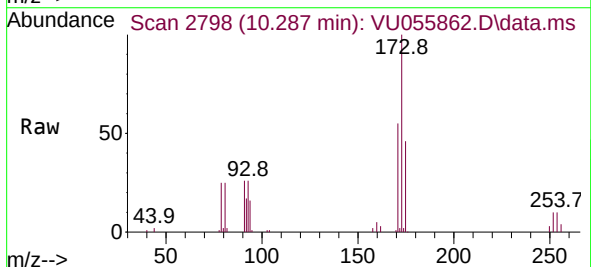
Instrument :
MSVOA_U
ClientSampleId :

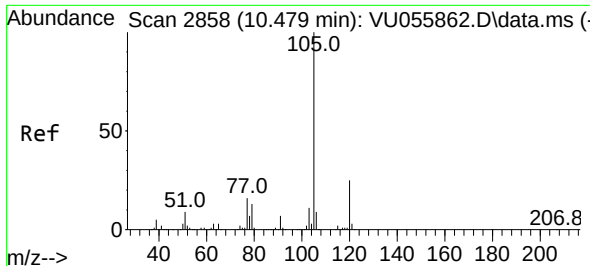
Tgt Ion: 83 Resp: 91248
Ion Ratio Lower Upper
83 100
85 66.0 46.2 85.8
131 9.0 7.2 10.8



#59
Bromoform
Concen: 4.998 ug/L
RT: 10.287 min Scan# 2798
Delta R.T. 0.000 min
Lab File: VU055862.D
Acq: 24 Oct 2023 10:24

Tgt Ion: 173 Resp: 48332
Ion Ratio Lower Upper
173 100
175 47.2 37.8 56.6
254 9.2 7.4 11.0

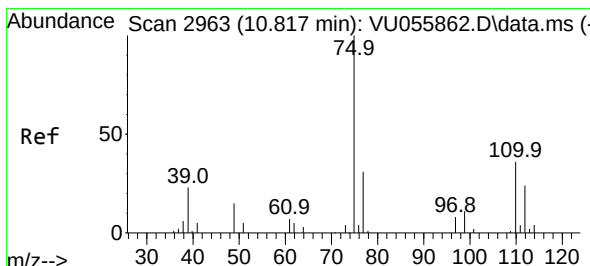
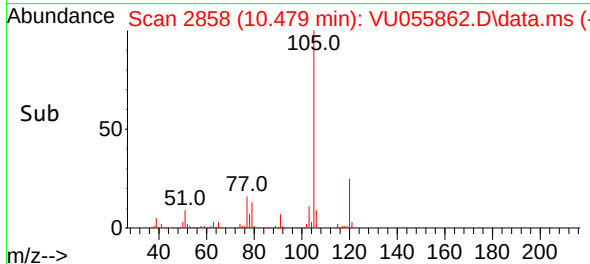
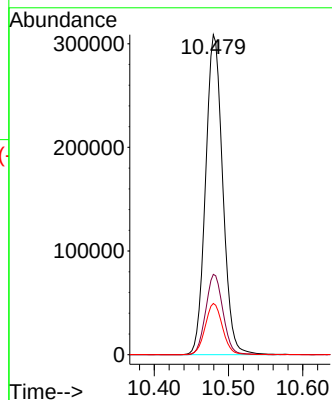
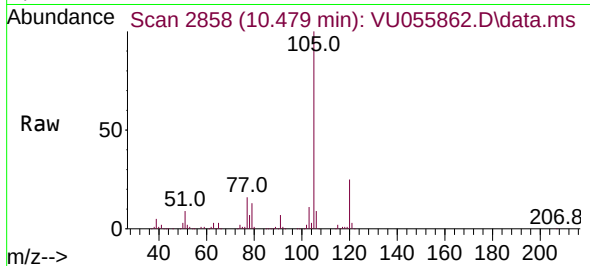




#60
Isopropylbenzene
Concen: 4.860 ug/L
RT: 10.479 min Scan# 2858
Delta R.T. 0.000 min
Lab File: VU055862.D
Acq: 24 Oct 2023 10:24

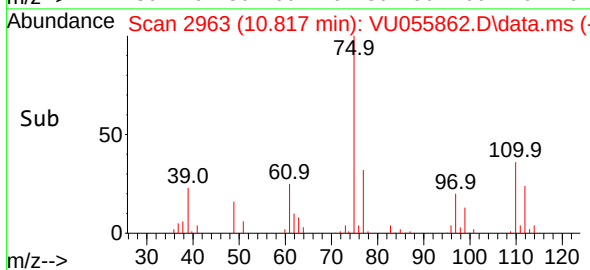
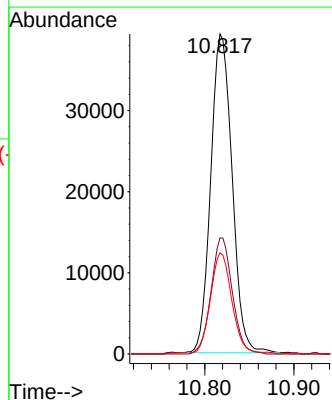
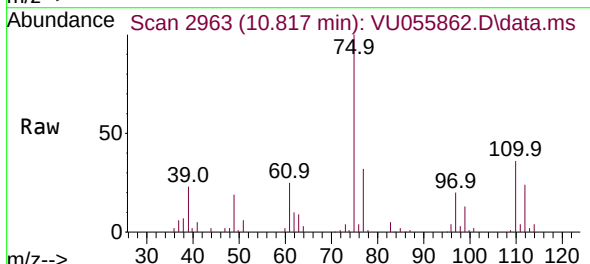
Instrument :
MSVOA_U
ClientSampleId :

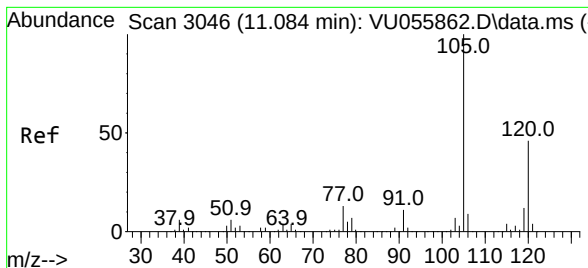
Tgt Ion:105 Resp: 495086
Ion Ratio Lower Upper
105 100
120 25.3 20.2 30.4
77 16.2 13.0 19.4



#61
1,2,3-Trichloropropane
Concen: 4.611 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. 0.000 min
Lab File: VU055862.D
Acq: 24 Oct 2023 10:24

Tgt Ion: 75 Resp: 65332
Ion Ratio Lower Upper
75 100
110 36.3 29.0 43.6
77 30.6 24.5 36.7





#62

1,3,5-Trimethylbenzene

Concen: 4.589 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. 0.000 min

Lab File: VU055862.D

Acq: 24 Oct 2023 10:24

Instrument :

MSVOA_U

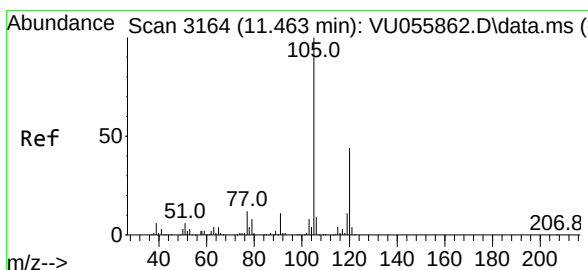
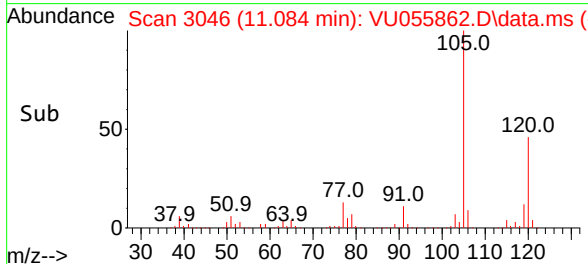
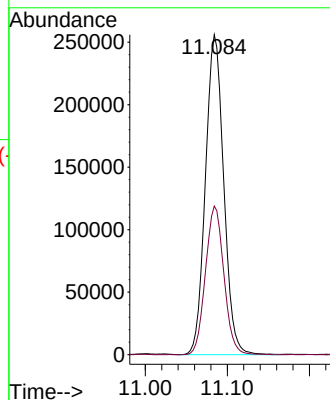
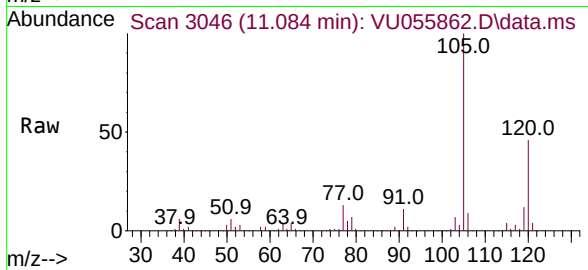
ClientSampleId :

Tgt Ion:105 Resp: 396513

Ion Ratio Lower Upper

105 100

120 46.8 37.4 56.2



#63

1,2,4-Trimethylbenzene

Concen: 4.669 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VU055862.D

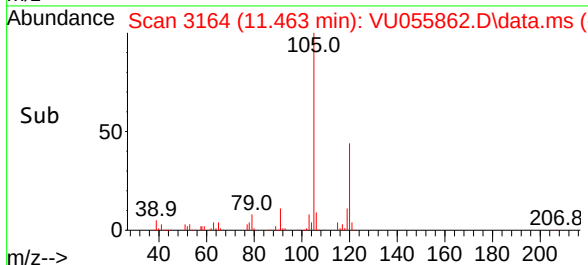
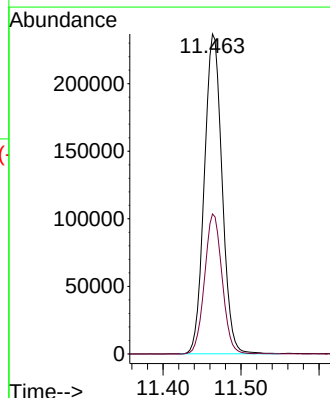
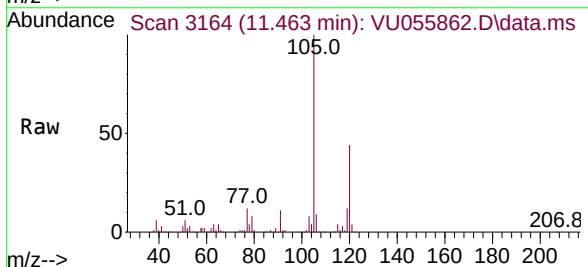
Acq: 24 Oct 2023 10:24

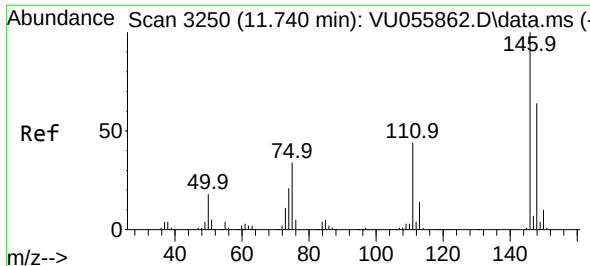
Tgt Ion:105 Resp: 373838

Ion Ratio Lower Upper

105 100

120 43.3 34.6 52.0

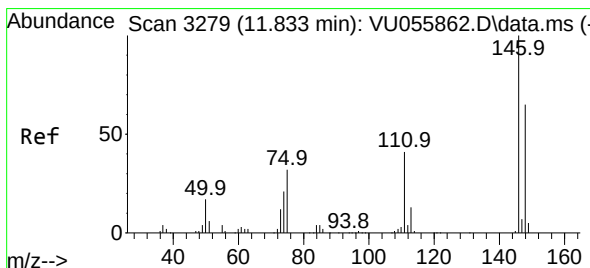
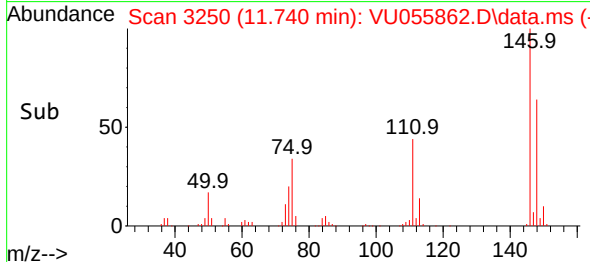
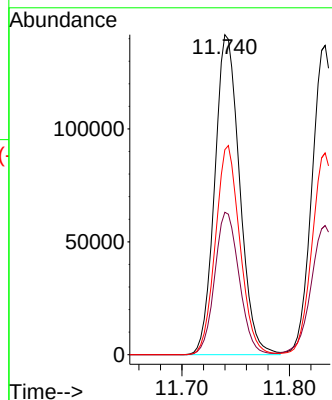
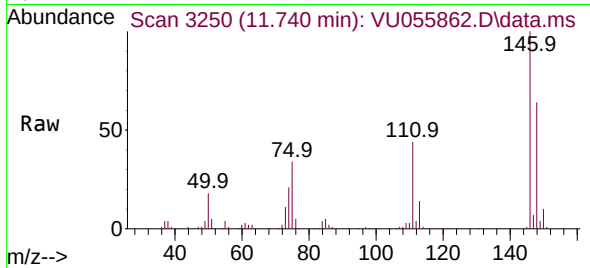




#64
1,3-Dichlorobenzene
Concen: 4.798 ug/L
RT: 11.740 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU055862.D
Acq: 24 Oct 2023 10:24

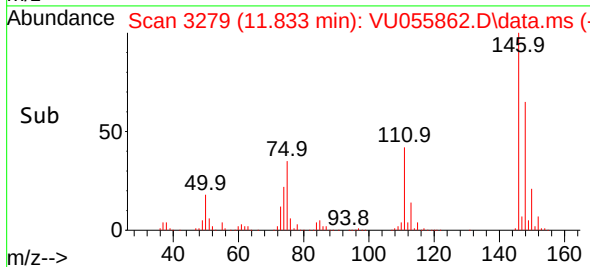
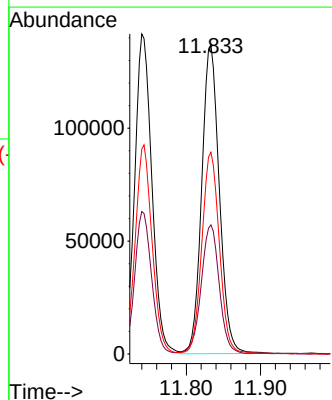
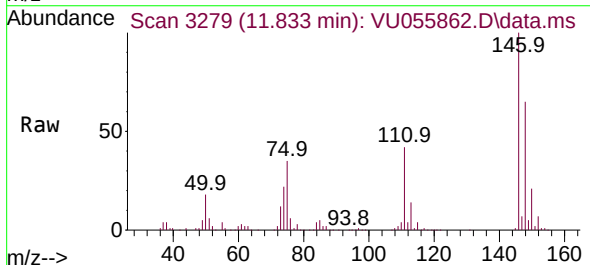
Instrument :
MSVOA_U
ClientSampleId :

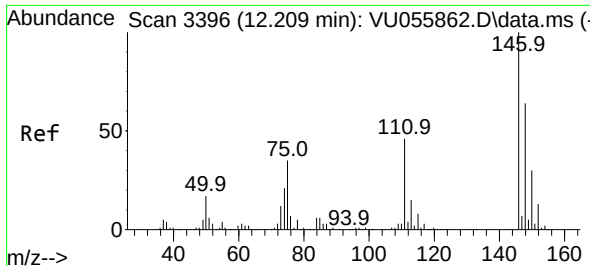
Tgt Ion:146 Resp: 228180
Ion Ratio Lower Upper
146 100
111 44.5 31.1 57.9
148 64.0 44.8 83.2



#65
1,4-Dichlorobenzene
Concen: 4.732 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.000 min
Lab File: VU055862.D
Acq: 24 Oct 2023 10:24

Tgt Ion:146 Resp: 224961
Ion Ratio Lower Upper
146 100
111 41.8 29.3 54.3
148 65.2 45.6 84.8





#67

1,2-Dichlorobenzene

Concen: 4.801 ug/L

RT: 12.209 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU055862.D

Acq: 24 Oct 2023 10:24

Instrument :

MSVOA_U

ClientSampleId :

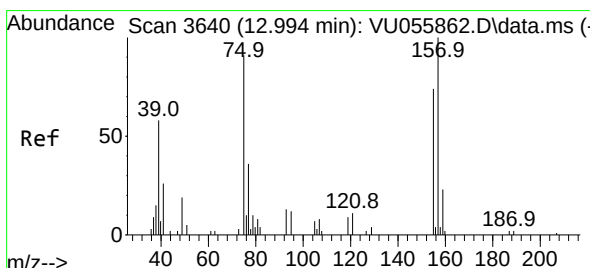
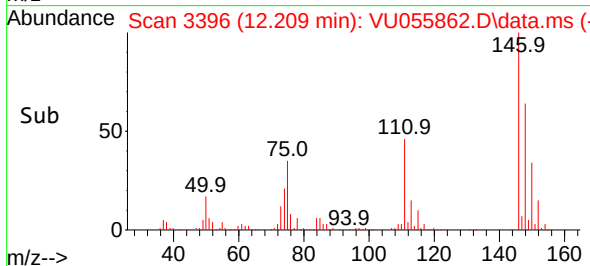
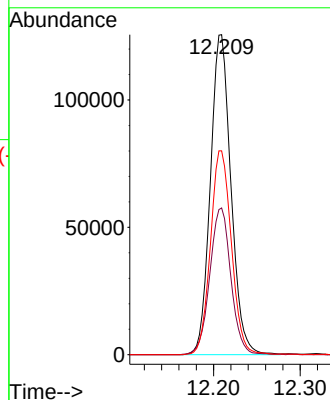
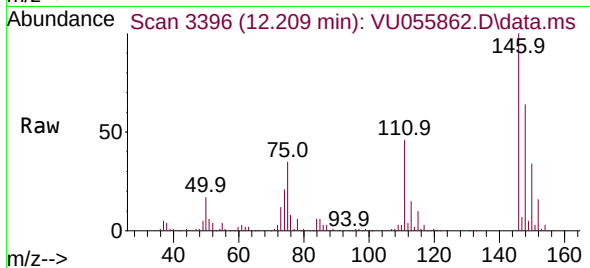
Tgt Ion:146 Resp: 207512

Ion Ratio Lower Upper

146 100

111 45.9 36.7 55.1

148 63.7 51.0 76.4



#68

1,2-Dibromo-3-chloropropane

Concen: 4.402 ug/L

RT: 12.994 min Scan# 3640

Delta R.T. 0.000 min

Lab File: VU055862.D

Acq: 24 Oct 2023 10:24

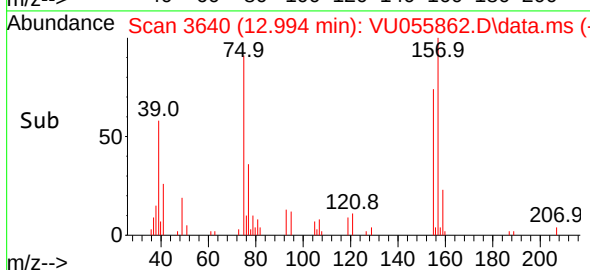
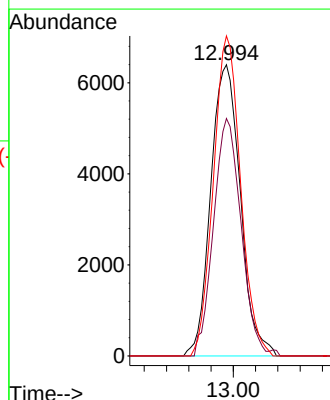
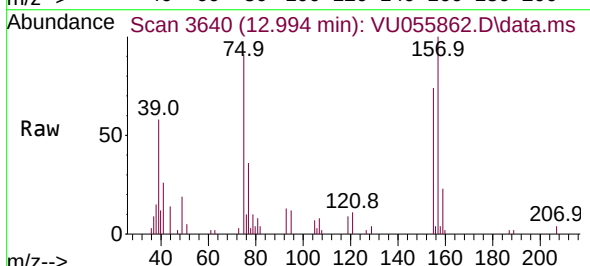
Tgt Ion: 75 Resp: 11810

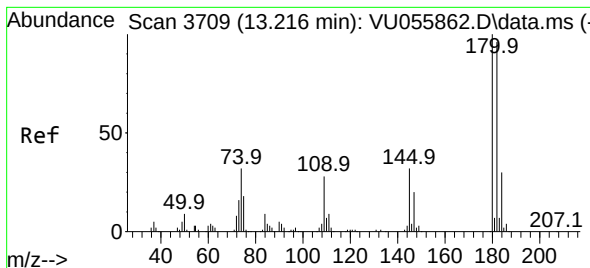
Ion Ratio Lower Upper

75 100

155 81.6 65.3 97.9

157 109.9 87.9 131.9





#69

1,3,5-Trichlorobenzene

Concen: 4.832 ug/L

RT: 13.216 min Scan# 31

Delta R.T. 0.000 min

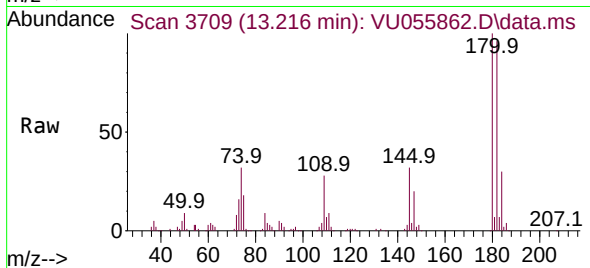
Lab File: VU055862.D

Acq: 24 Oct 2023 10:24

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 153519

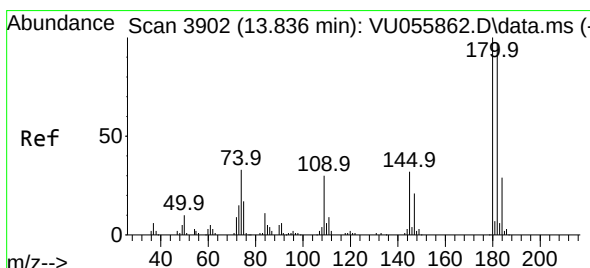
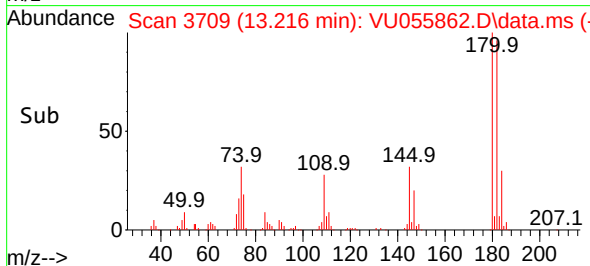
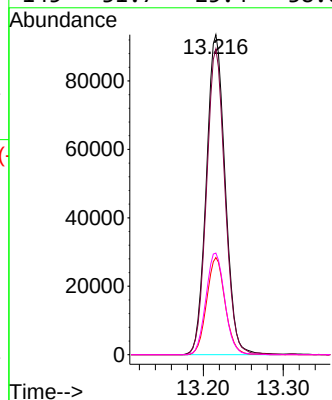
Ion Ratio Lower Upper

180 100

182 93.4 74.7 112.1

184 29.8 23.8 35.8

145 31.7 25.4 38.0



#70

1,2,4-trichlorobenzene

Concen: 4.463 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.000 min

Lab File: VU055862.D

Acq: 24 Oct 2023 10:24

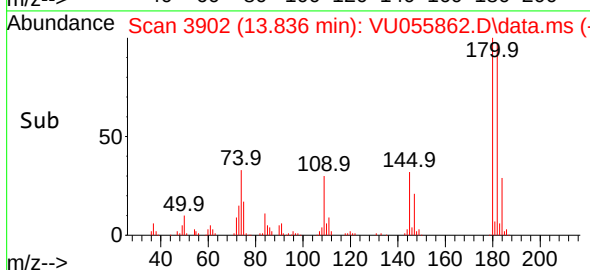
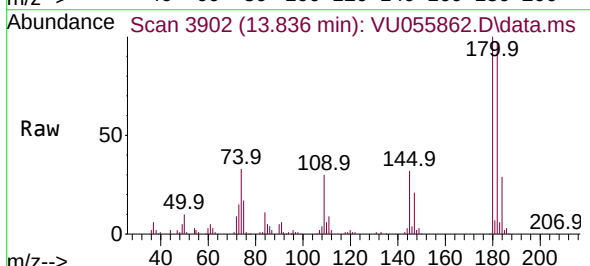
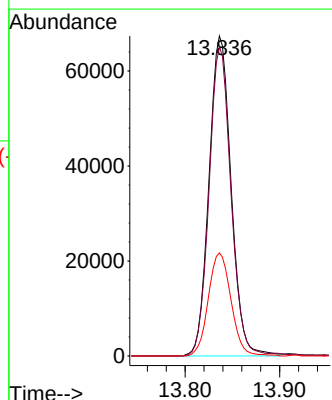
Tgt Ion:180 Resp: 109675

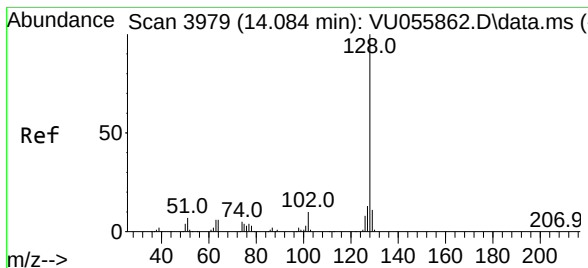
Ion Ratio Lower Upper

180 100

182 95.1 76.1 114.1

145 33.0 26.4 39.6





#71

Naphthalene

Concen: 4.235 ug/L

RT: 14.084 min Scan# 3979

Delta R.T. 0.000 min

Lab File: VU055862.D

Acq: 24 Oct 2023 10:24

Instrument :

MSVOA_U

ClientSampleId :

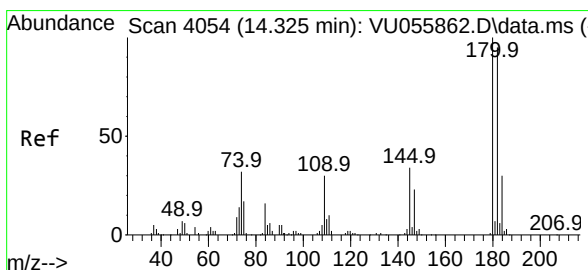
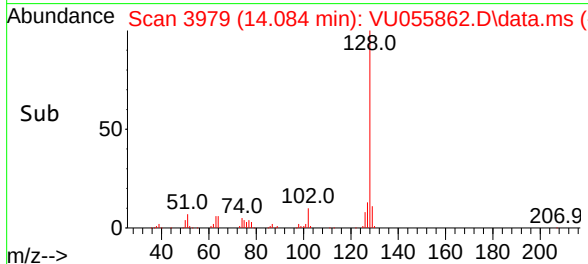
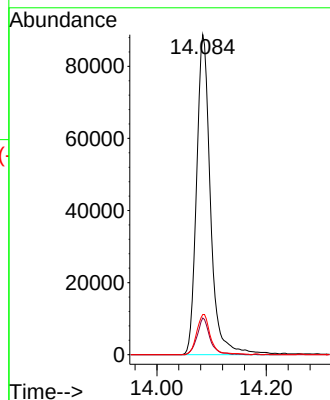
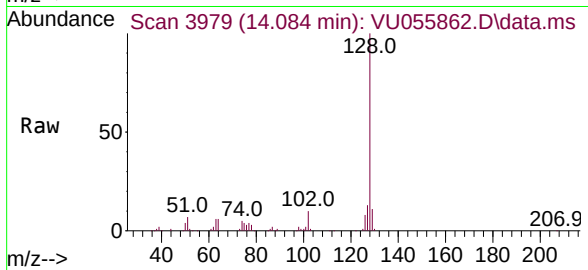
Tgt Ion:128 Resp: 156493

Ion Ratio Lower Upper

128 100

129 10.4 8.3 12.5

127 12.5 10.0 15.0



#72

1,2,3-Trichlorobenzene

Concen: 4.591 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. 0.000 min

Lab File: VU055862.D

Acq: 24 Oct 2023 10:24

Tgt Ion:180 Resp: 94388

Ion Ratio Lower Upper

180 100

182 93.3 74.6 112.0

145 34.3 27.4 41.2

