

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111323\
 Data File : VU056255.D
 Acq On : 13 Nov 2023 16:03
 Operator : MD/SY
 Sample : VSTD020
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 13 23:31:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Nov 13 23:28:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	321050	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	312950	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	164529	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	487002	20.280	ug/L	0.00
7) Chloroethane-d5	1.908	69	357628	19.424	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.560	65	225002	21.231	ug/L	0.00
20) 2-Butanone-d5	4.618	46	1048665	222.358	ug/L	0.00
24) Chloroform-d	5.055	84	948131	20.413	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.695	65	444107	20.692	ug/L	0.00
32) Benzene-d6	5.721	84	1907766	20.461	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.682	67	576521	20.516	ug/L	0.00
41) Toluene-d8	7.894	98	1725634	20.958	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.174	79	231128	21.445	ug/L	0.00
46) 2-Hexanone-d5	8.631	63	1023693	241.701	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.750	84	430060	21.417	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.187	152	593310	19.520	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	555986	21.857	ug/L	98
3) Chloromethane	1.515	50	543569	20.911	ug/L	97
5) Vinyl chloride	1.602	62	547239	21.850	ug/L	100
6) Bromomethane	1.853	94	288959	22.794	ug/L	96
8) Chloroethane	1.930	64	302842	19.794	ug/L	96
9) Trichlorofluoromethane	2.133	101	804668	22.295	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	473809	22.112	ug/L	99
12) 1,1-Dichloroethene	2.576	96	446271	22.708	ug/L	89
13) Acetone	2.631	43	869724	213.260	ug/L	98
14) Carbon disulfide	2.789	76	1411630	22.073	ug/L	98
15) Methyl Acetate	2.946	43	165862	23.800	ug/L	99
16) Methylene chloride	3.039	84	478513	18.398	ug/L	98
17) Methyl tert-butyl Ether	3.354	73	1097016	22.975	ug/L	99
18) trans-1,2-Dichloroethene	3.348	96	454580	22.481	ug/L	99
19) 1,1-Dichloroethane	3.862	63	889382	22.204	ug/L	99
21) 2-Butanone	4.695	43	1212678	237.105	ug/L	97
22) cis-1,2-Dichloroethene	4.660	96	522424	22.781	ug/L	98
23) Bromochloromethane	4.968	128	210320	22.282	ug/L	96
25) Chloroform	5.081	83	921420	21.232	ug/L	96
27) 1,2-Dichloroethane	5.785	62	546147	22.165	ug/L	98
29) 1,1,1-Trichloroethane	5.309	97	801067	22.300	ug/L	100
30) Cyclohexane	5.383	56	797401	23.388	ug/L	100
31) Carbon tetrachloride	5.518	117	692373	22.440	ug/L	98
33) Benzene	5.766	78	1976865	22.139	ug/L	100
34) Trichloroethene	6.534	95	536402	22.047	ug/L	97
35) Methylcyclohexane	6.759	83	843738	24.021	ug/L	99
37) 1,2-Dichloropropane	6.785	63	513069	22.033	ug/L	99
38) Bromodichloromethane	7.097	83	645073	21.458	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	791390	23.128	ug/L	98
40) 4-Methyl-2-pentanone	7.785	43	2709848	234.755	ug/L	99
42) Toluene	7.965	91	2091950	22.629	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	638356	23.402	ug/L	98

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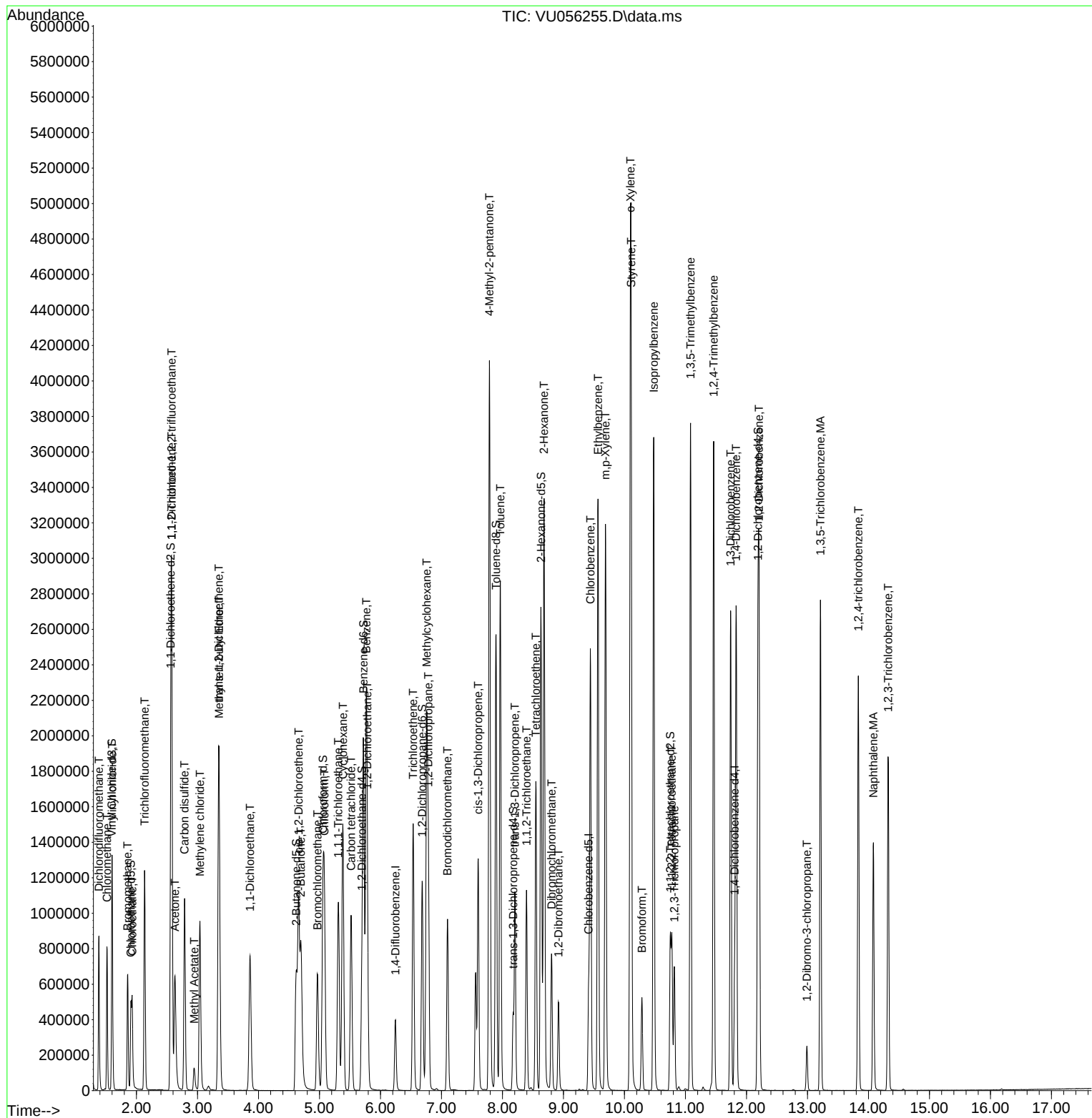
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.393	97	343842	22.171	ug/L	97
47) Tetrachloroethene	8.547	164	371702	22.657	ug/L	98
48) 2-Hexanone	8.682	43	2098820	233.390	ug/L	100
49) Dibromochloromethane	8.804	129	394053	22.344	ug/L	96
50) 1,2-Dibromoethane	8.917	107	322693	22.040	ug/L	97
51) Chlorobenzene	9.441	112	1312982	22.103	ug/L	98
52) Ethylbenzene	9.566	91	2425618	23.628	ug/L	99
53) m,p-Xylene	9.689	106	907043	24.034	ug/L	99
54) o-Xylene	10.097	106	871497	23.773	ug/L	100
55) Styrene	10.110	104	1517497	24.885	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.775	83	434854	22.964	ug/L	97
59) Bromoform	10.287	173	230461	22.487	ug/L	99
60) Isopropylbenzene	10.480	105	2410341	22.716	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	298307	21.131	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	2075791	23.826	ug/L	98
63) 1,2,4-Trimethylbenzene	11.463	105	2044683	23.776	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	1065426	22.074	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	1056139	21.814	ug/L	100
67) 1,2-Dichlorobenzene	12.206	146	969688	21.898	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.991	75	68578	22.743	ug/L	96
69) 1,3,5-Trichlorobenzene	13.213	180	798799	21.981	ug/L	98
70) 1,2,4-trichlorobenzene	13.833	180	670103	22.640	ug/L	99
71) Naphthalene	14.081	128	1078058	24.107	ug/L	100
72) 1,2,3-Trichlorobenzene	14.322	180	550186	22.566	ug/L	98

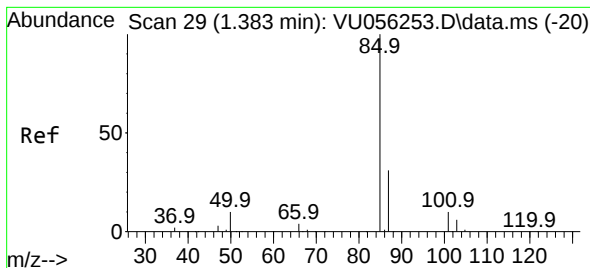
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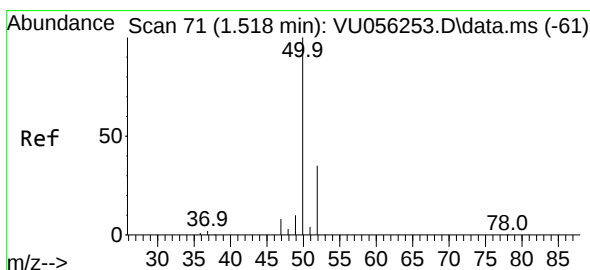
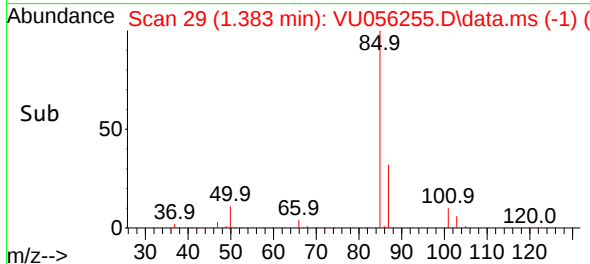
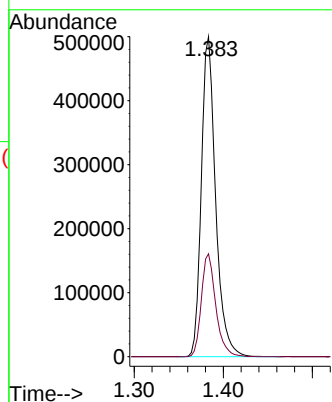
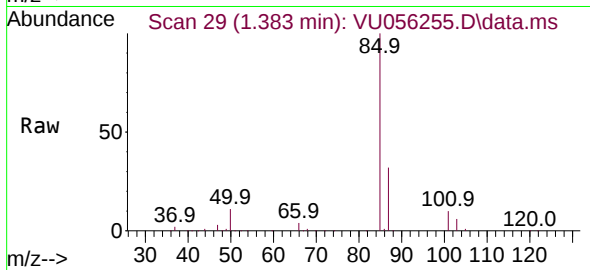




#2
 Dichlorodifluoromethane
 Concen: 21.857 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. 0.000 min
 Lab File: VU056255.D
 Acq: 13 Nov 2023 16:03

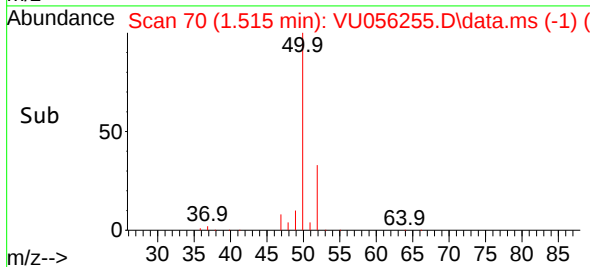
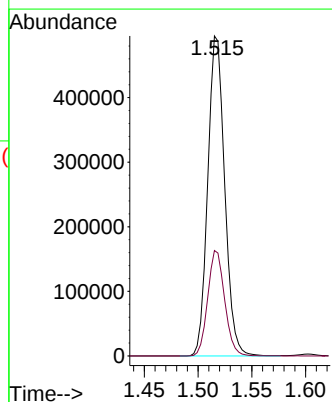
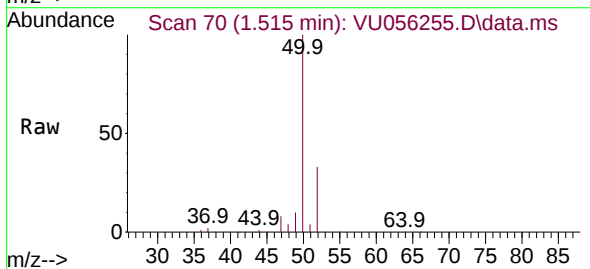
Instrument :
 MSVOA_U
 ClientSampleId :

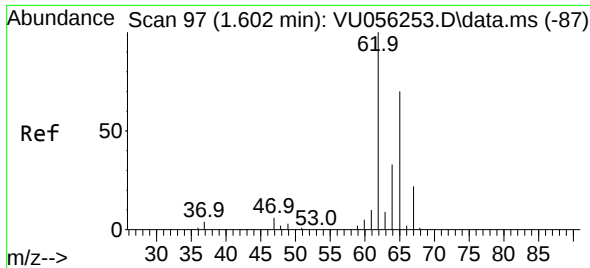
Tgt Ion: 85 Resp: 555986
 Ion Ratio Lower Upper
 85 100
 87 32.5 25.0 37.4



#3
 Chloromethane
 Concen: 20.911 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. -0.003 min
 Lab File: VU056255.D
 Acq: 13 Nov 2023 16:03

Tgt Ion: 50 Resp: 543569
 Ion Ratio Lower Upper
 50 100
 52 33.0 24.3 45.1

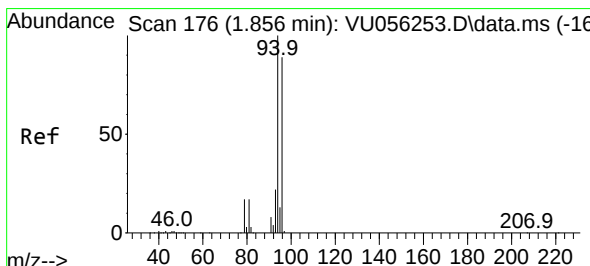
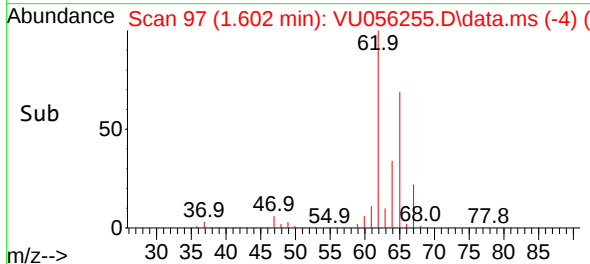
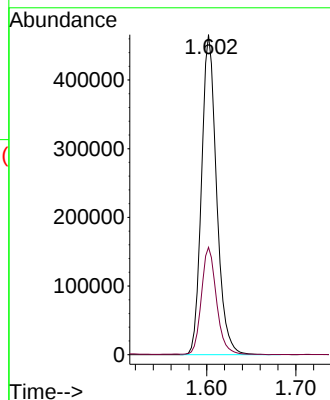
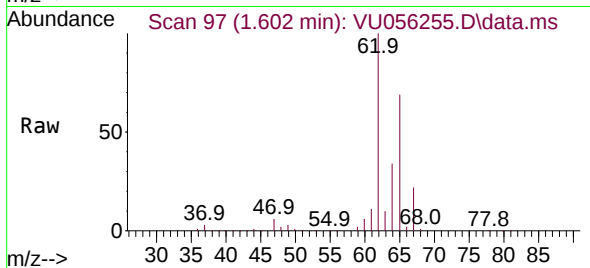




#5
 Vinyl chloride
 Concen: 21.850 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VU056255.D
 Acq: 13 Nov 2023 16:03

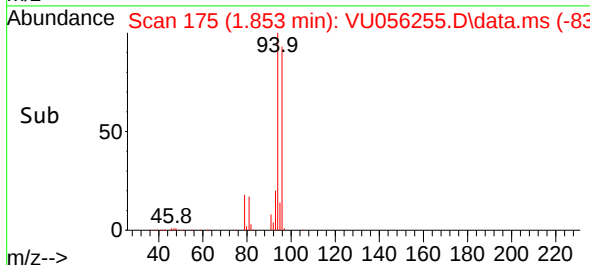
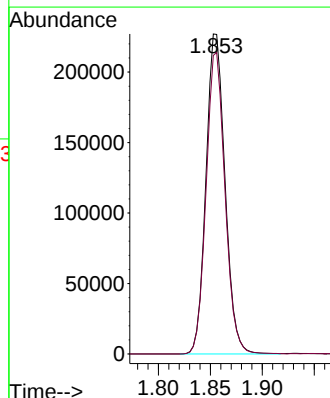
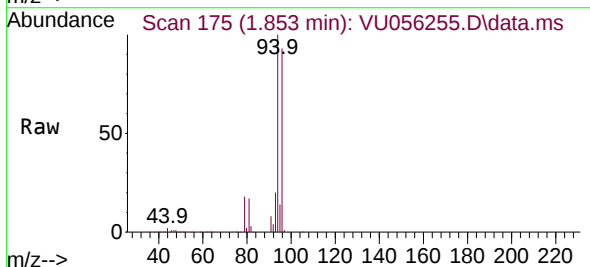
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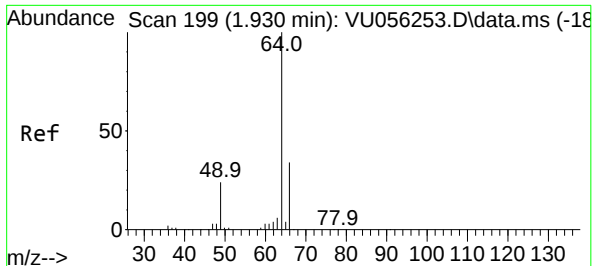
Tgt Ion: 62 Resp: 547239
 Ion Ratio Lower Upper
 62 100
 64 33.5 23.3 43.3



#6
 Bromomethane
 Concen: 22.794 ug/L
 RT: 1.853 min Scan# 175
 Delta R.T. -0.003 min
 Lab File: VU056255.D
 Acq: 13 Nov 2023 16:03

Tgt Ion: 94 Resp: 288959
 Ion Ratio Lower Upper
 94 100
 96 93.3 62.6 116.2

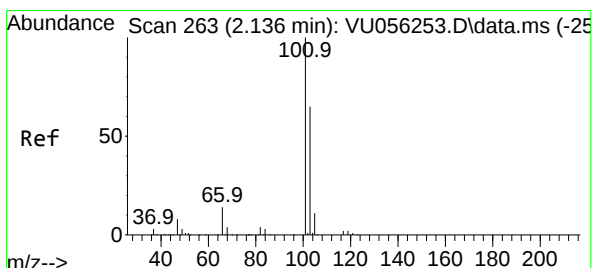
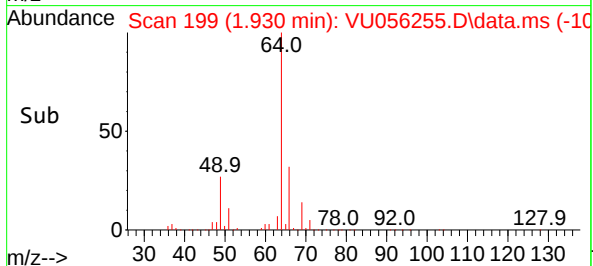
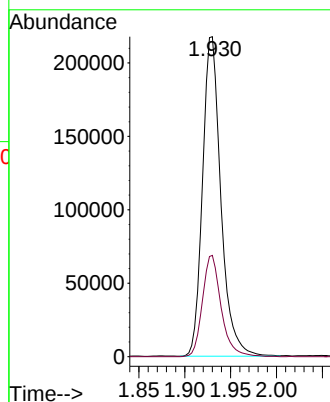
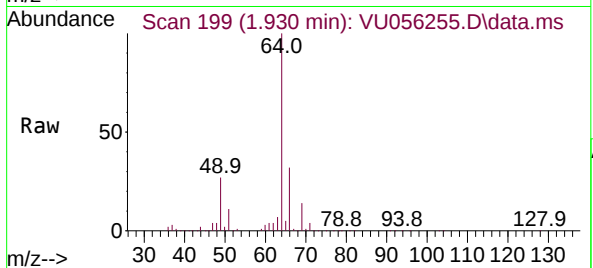




#8
Chloroethane
Concen: 19.794 ug/L
RT: 1.930 min Scan# 199
Delta R.T. 0.000 min
Lab File: VU056255.D
Acq: 13 Nov 2023 16:03

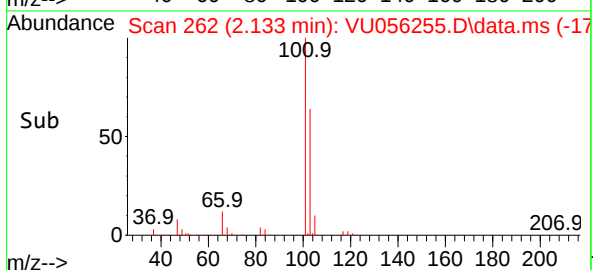
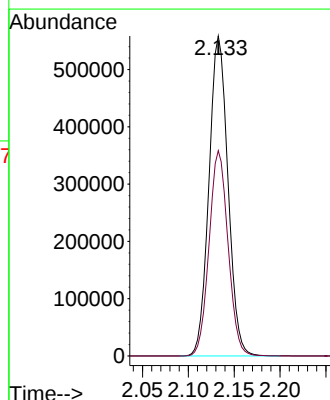
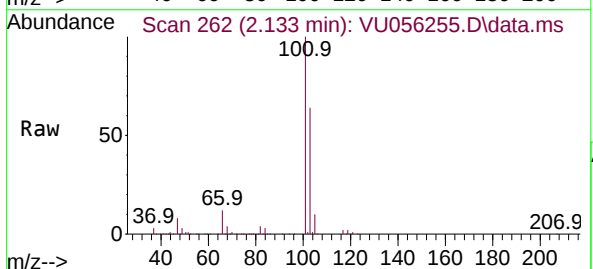
Instrument :
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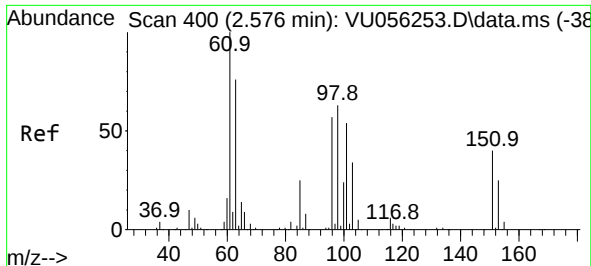
Tgt Ion: 64 Resp: 302842
Ion Ratio Lower Upper
64 100
66 31.7 23.9 44.5



#9
Trichlorofluoromethane
Concen: 22.295 ug/L
RT: 2.133 min Scan# 262
Delta R.T. -0.003 min
Lab File: VU056255.D
Acq: 13 Nov 2023 16:03

Tgt Ion:101 Resp: 804668
Ion Ratio Lower Upper
101 100
103 64.0 52.0 78.0

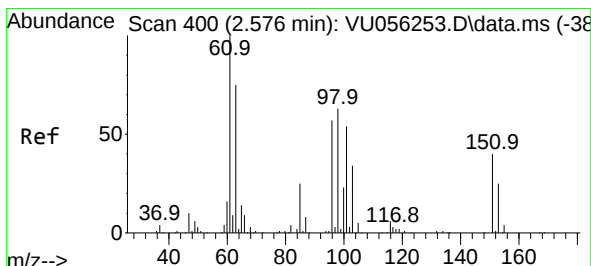
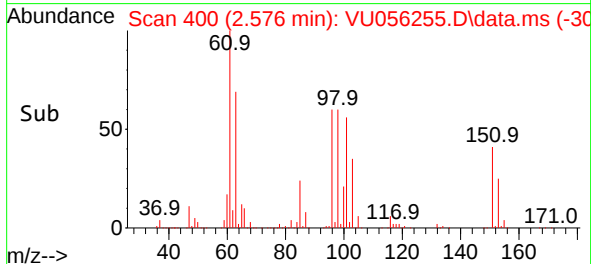
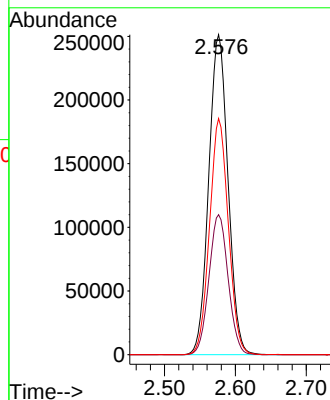
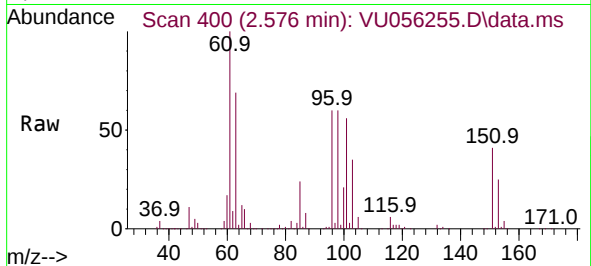




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 22.112 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU056255.D
 Acq: 13 Nov 2023 16:03

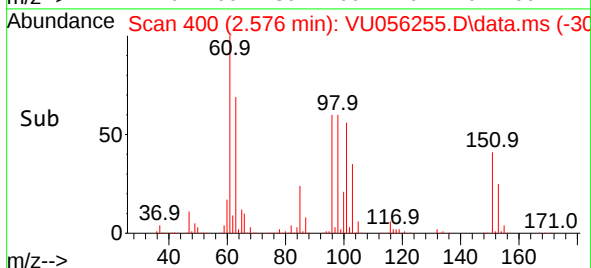
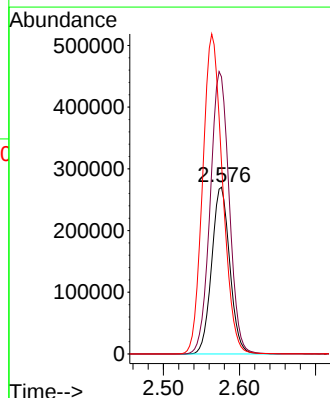
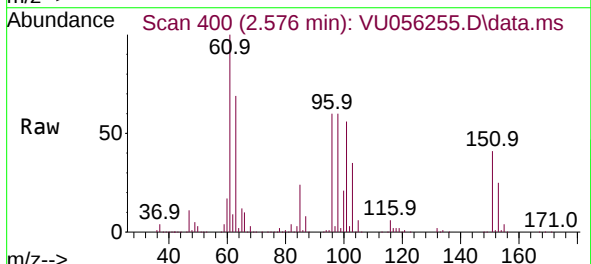
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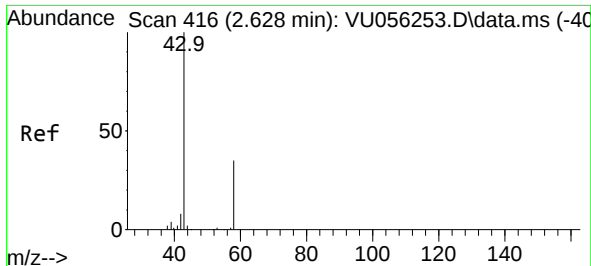
Tgt Ion:101 Resp: 473809
 Ion Ratio Lower Upper
 101 100
 85 43.6 35.4 53.0
 151 72.2 58.0 87.0



#12
 1,1-Dichloroethene
 Concen: 22.708 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU056255.D
 Acq: 13 Nov 2023 16:03

Tgt Ion: 96 Resp: 446271
 Ion Ratio Lower Upper
 96 100
 61 166.3 123.1 228.7
 63 115.0 93.3 173.3





#13

Acetone

Concen: 213.260 ug/L

RT: 2.631 min Scan# 41

Delta R.T. 0.003 min

Lab File: VU056255.D

Acq: 13 Nov 2023 16:03

Instrument :

MSVOA_U

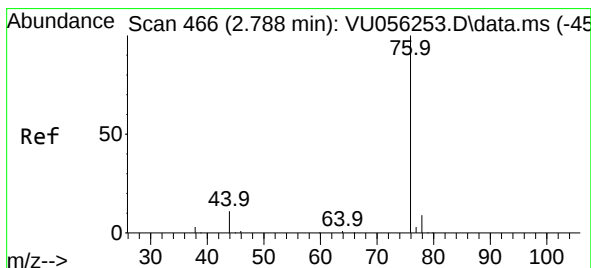
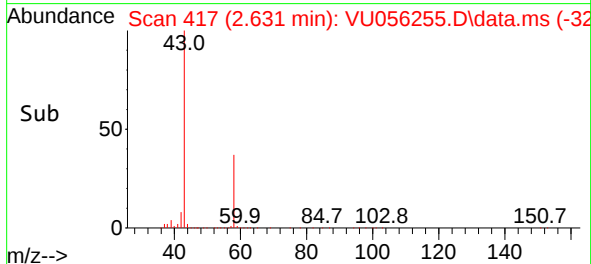
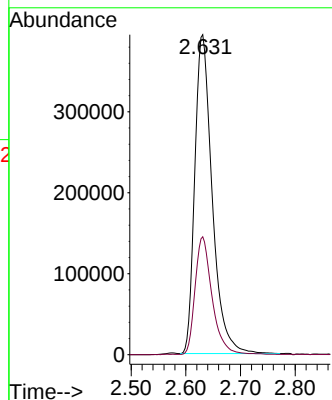
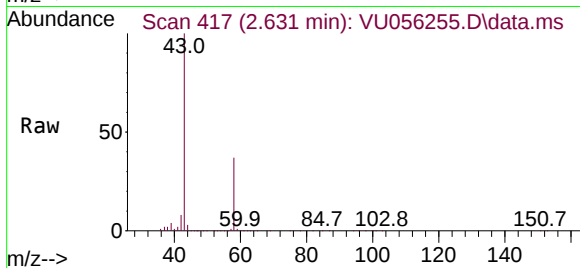
ClientSampleId :

Tgt Ion: 43 Resp: 869724

Ion Ratio Lower Upper

43 100

58 36.0 0.0 70.0



#14

Carbon disulfide

Concen: 22.073 ug/L

RT: 2.789 min Scan# 466

Delta R.T. 0.000 min

Lab File: VU056255.D

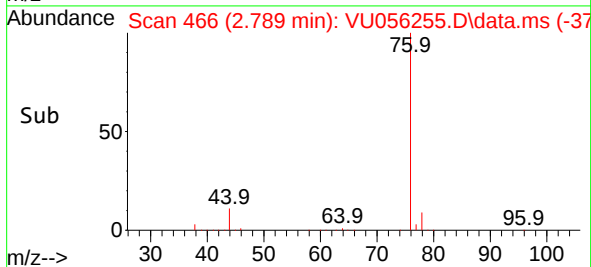
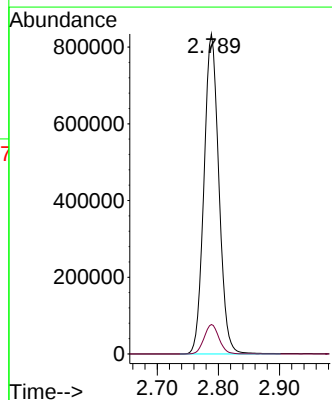
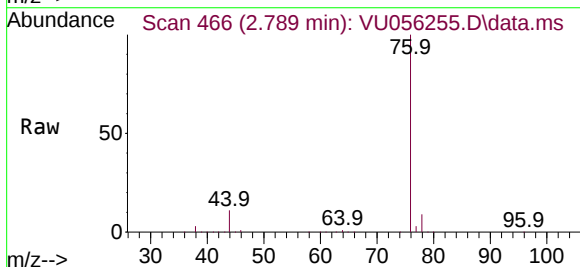
Acq: 13 Nov 2023 16:03

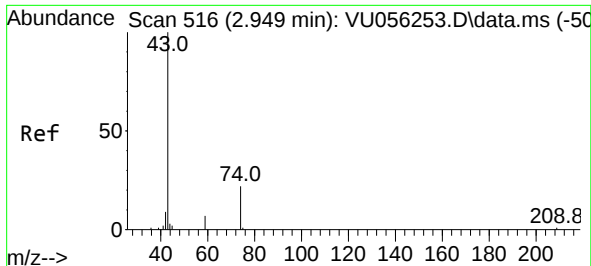
Tgt Ion: 76 Resp: 1411630

Ion Ratio Lower Upper

76 100

78 9.2 6.8 10.2

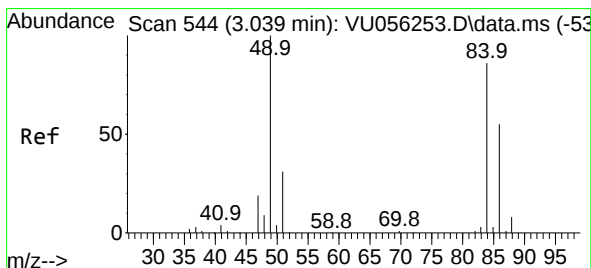
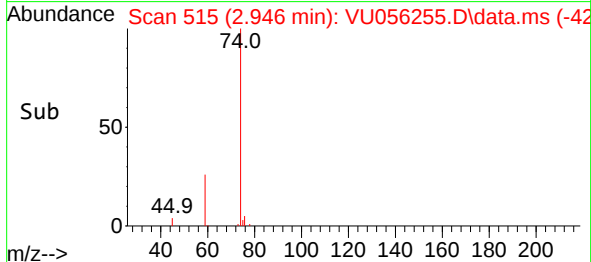
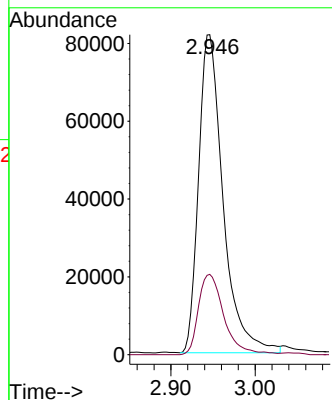
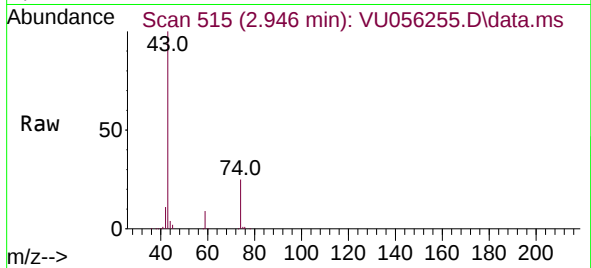




#15
Methyl Acetate
Concen: 23.800 ug/L
RT: 2.946 min Scan# 516
Delta R.T. -0.003 min
Lab File: VU056255.D
Acq: 13 Nov 2023 16:03

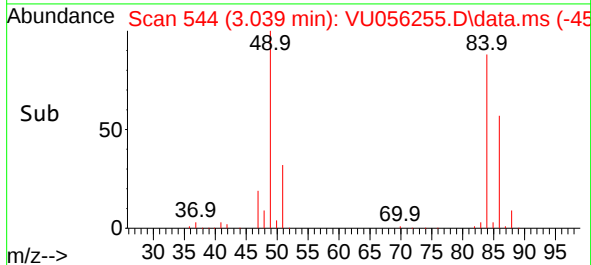
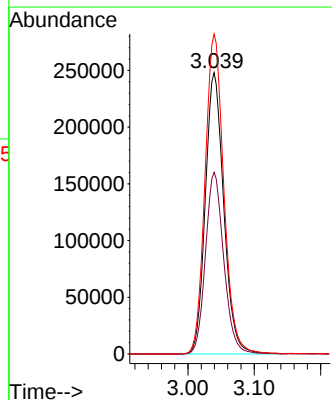
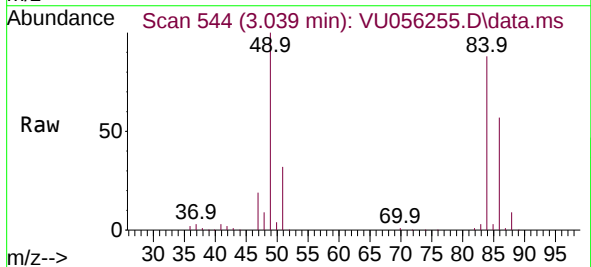
Instrument :
MSVOA_U
ClientSampleId :

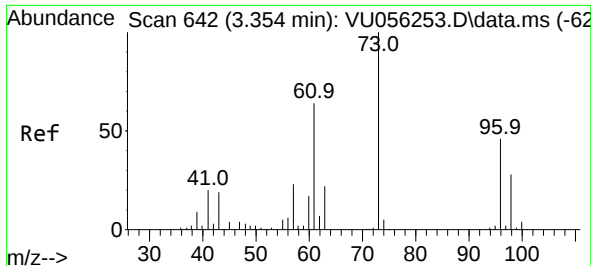
Tgt Ion: 43 Resp: 165862
Ion Ratio Lower Upper
43 100
74 26.2 20.6 31.0



#16
Methylene chloride
Concen: 18.398 ug/L
RT: 3.039 min Scan# 544
Delta R.T. 0.000 min
Lab File: VU056255.D
Acq: 13 Nov 2023 16:03

Tgt Ion: 84 Resp: 478513
Ion Ratio Lower Upper
84 100
86 64.6 44.7 83.1
49 113.8 81.8 152.0

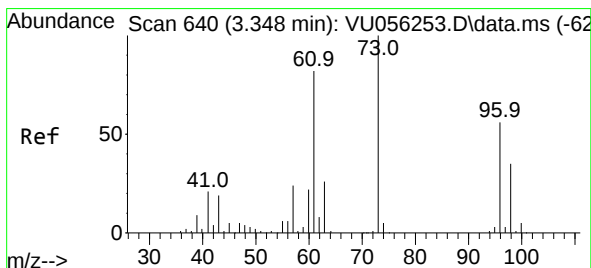
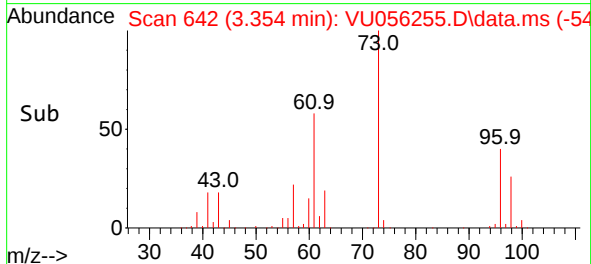
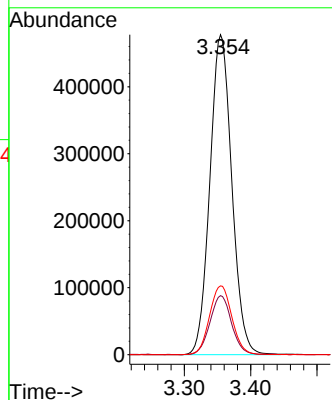
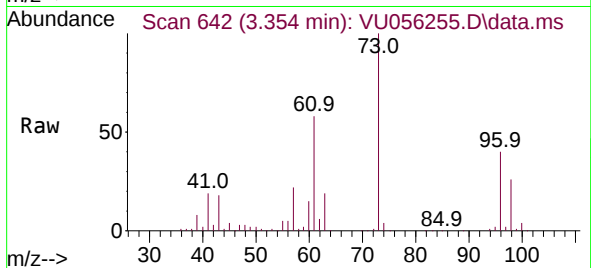




#17
Methyl tert-butyl Ether
Concen: 22.975 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.000 min
Lab File: VU056255.D
Acq: 13 Nov 2023 16:03

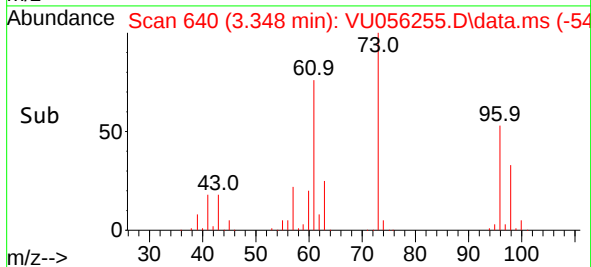
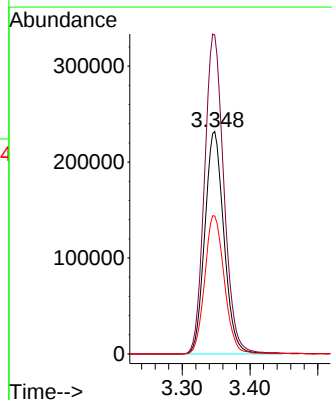
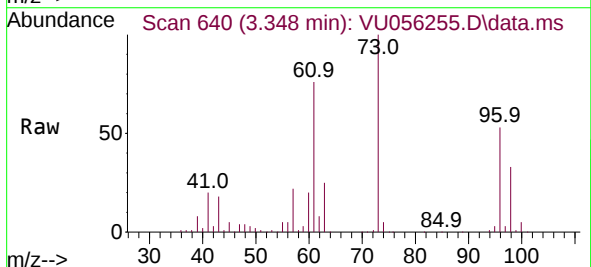
Instrument :
MSVOA_U
ClientSampleId :

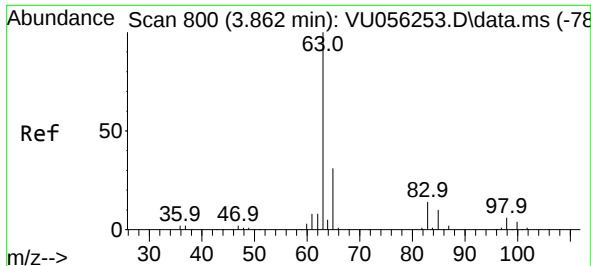
Tgt Ion: 73 Resp: 1097016
Ion Ratio Lower Upper
73 100
43 18.3 15.1 22.7
57 22.0 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 22.481 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU056255.D
Acq: 13 Nov 2023 16:03

Tgt Ion: 96 Resp: 454580
Ion Ratio Lower Upper
96 100
61 143.4 101.7 188.9
98 62.0 43.0 80.0





#19

1,1-Dichloroethane

Concen: 22.204 ug/L

RT: 3.862 min Scan# 80

Delta R.T. 0.000 min

Lab File: VU056255.D

Acq: 13 Nov 2023 16:03

Instrument :

MSVOA_U

ClientSampleId :

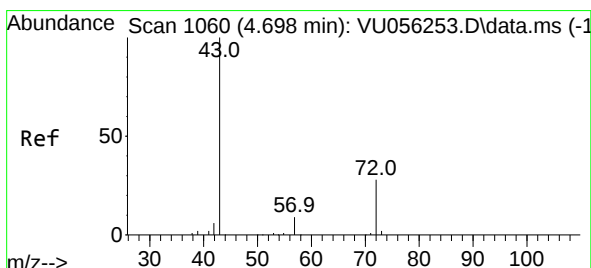
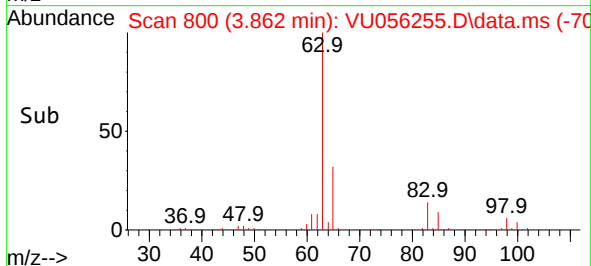
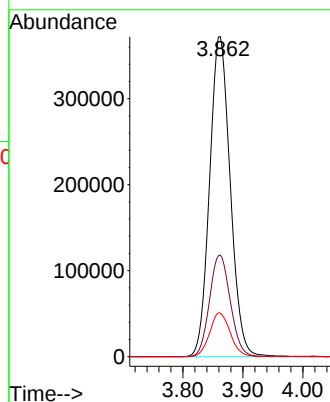
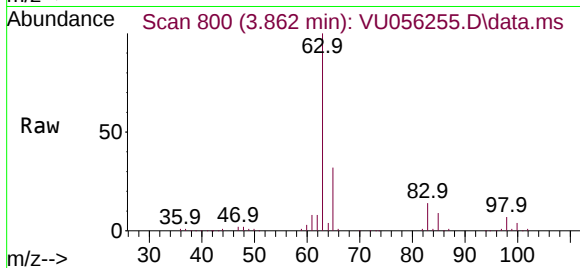
Tgt Ion: 63 Resp: 889382

Ion Ratio Lower Upper

63 100

65 31.7 21.8 40.6

83 13.6 9.7 17.9



#21

2-Butanone

Concen: 237.105 ug/L

RT: 4.695 min Scan# 1059

Delta R.T. -0.003 min

Lab File: VU056255.D

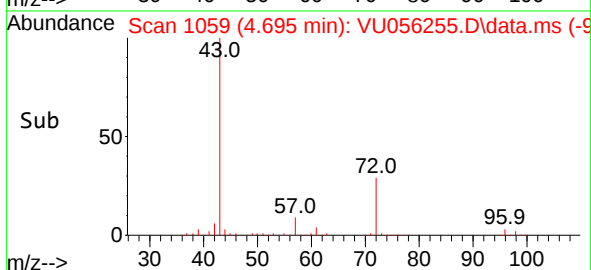
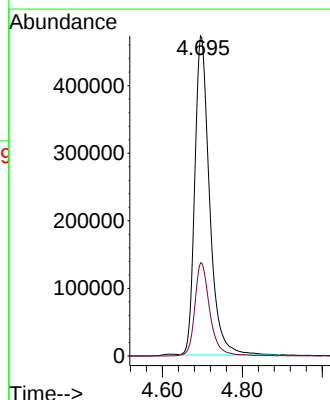
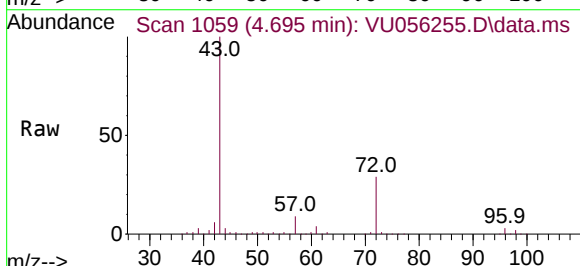
Acq: 13 Nov 2023 16:03

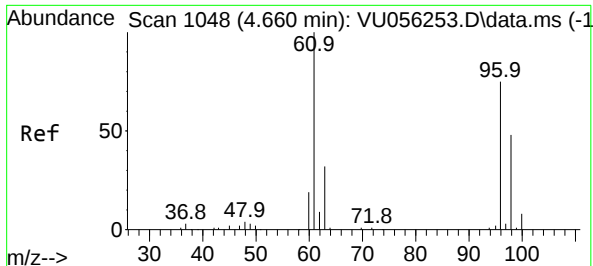
Tgt Ion: 43 Resp: 1212678

Ion Ratio Lower Upper

43 100

72 29.8 14.2 42.6





#22

cis-1,2-Dichloroethene

Concen: 22.781 ug/L

RT: 4.660 min Scan# 1048

Delta R.T. 0.000 min

Lab File: VU056255.D

Acq: 13 Nov 2023 16:03

Instrument :

MSVOA_U

ClientSampleId :

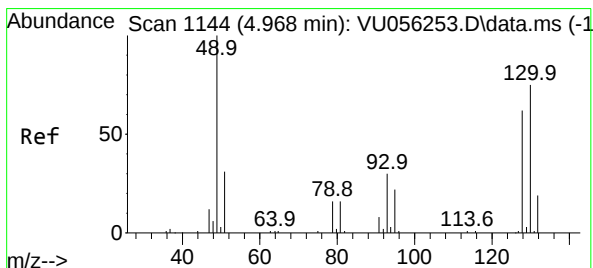
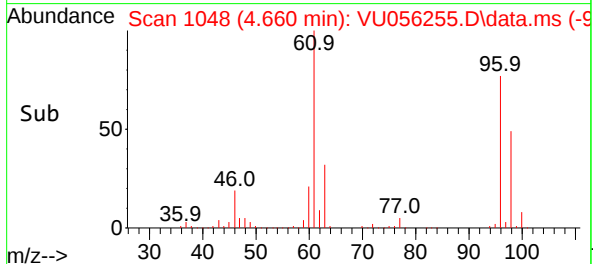
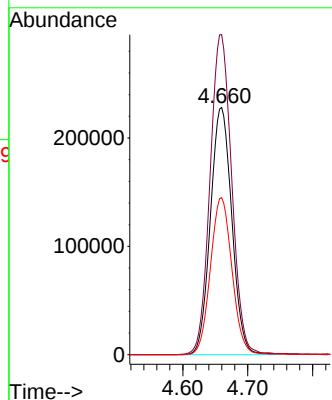
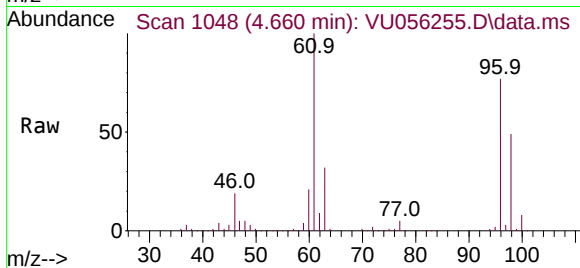
Tgt Ion: 96 Resp: 522424

Ion Ratio Lower Upper

96 100

61 129.4 93.2 173.2

98 63.5 44.8 83.2



#23

Bromochloromethane

Concen: 22.282 ug/L

RT: 4.968 min Scan# 1144

Delta R.T. 0.000 min

Lab File: VU056255.D

Acq: 13 Nov 2023 16:03

Tgt Ion: 128 Resp: 210320

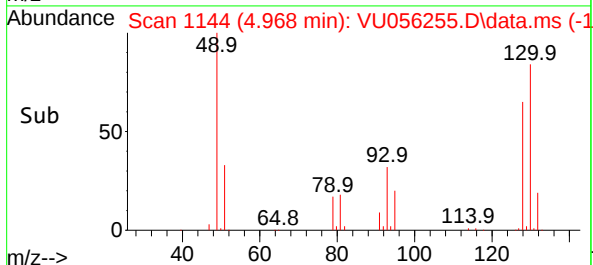
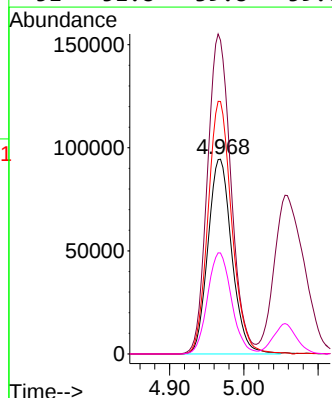
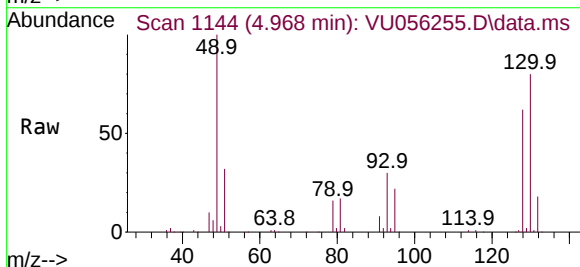
Ion Ratio Lower Upper

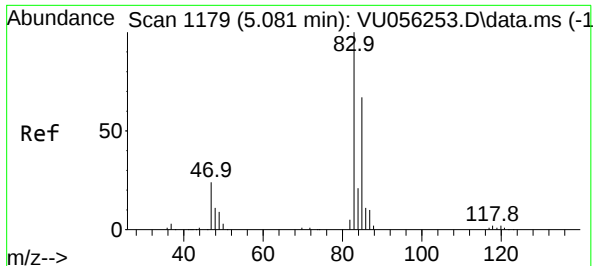
128 100

49 161.1 113.4 210.6

130 129.7 84.8 157.6

51 51.8 39.8 59.6

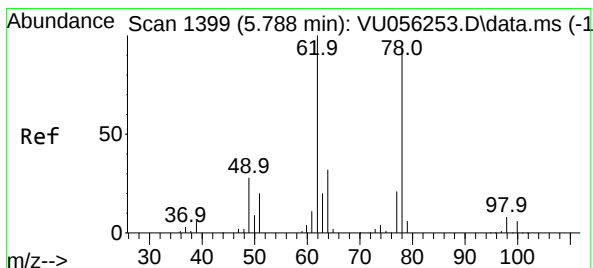
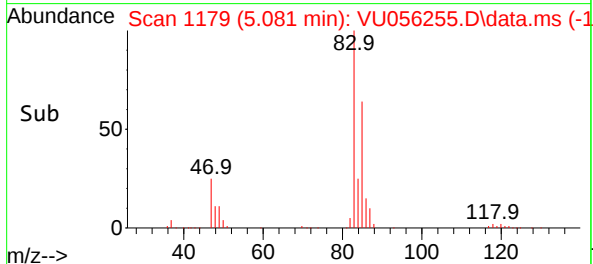
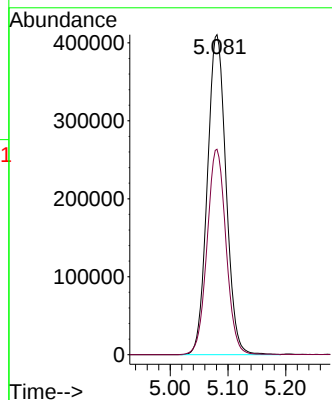
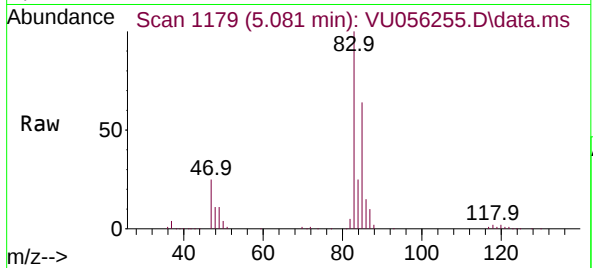




#25
Chloroform
Concen: 21.232 ug/L
RT: 5.081 min Scan# 1179
Delta R.T. 0.000 min
Lab File: VU056255.D
Acq: 13 Nov 2023 16:03

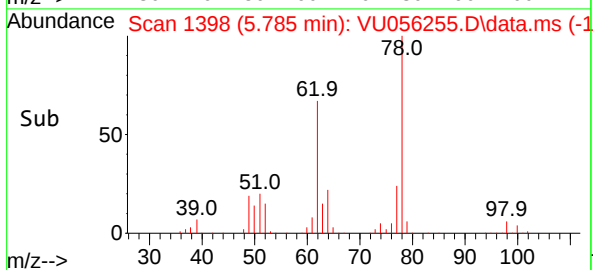
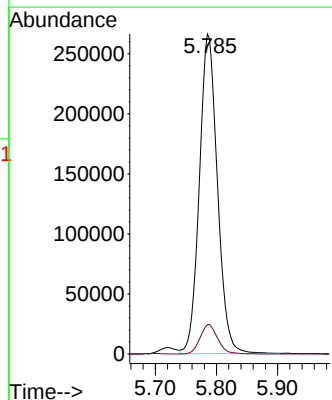
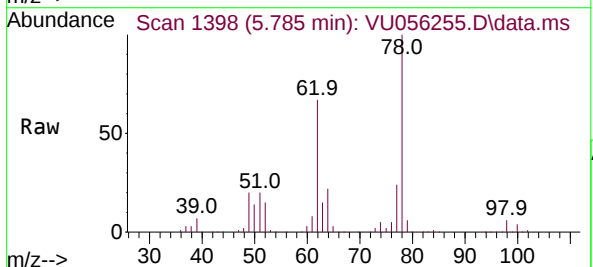
Instrument :
MSVOA_U
ClientSampleId :

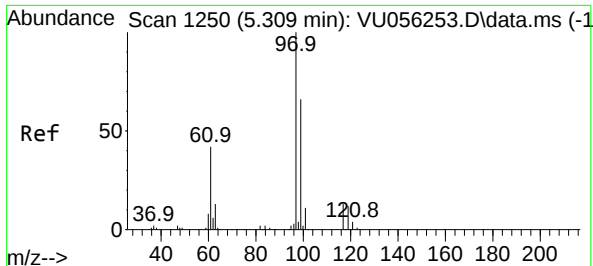
Tgt Ion: 83 Resp: 921420
Ion Ratio Lower Upper
83 100
85 64.2 47.0 87.2



#27
1,2-Dichloroethane
Concen: 22.165 ug/L
RT: 5.785 min Scan# 1398
Delta R.T. -0.003 min
Lab File: VU056255.D
Acq: 13 Nov 2023 16:03

Tgt Ion: 62 Resp: 546147
Ion Ratio Lower Upper
62 100
98 9.2 6.6 10.0





#29

1,1,1-Trichloroethane

Concen: 22.300 ug/L

RT: 5.309 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU056255.D

Acq: 13 Nov 2023 16:03

Instrument :

MSVOA_U

ClientSampleId :

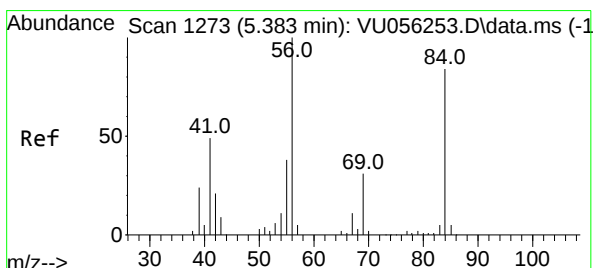
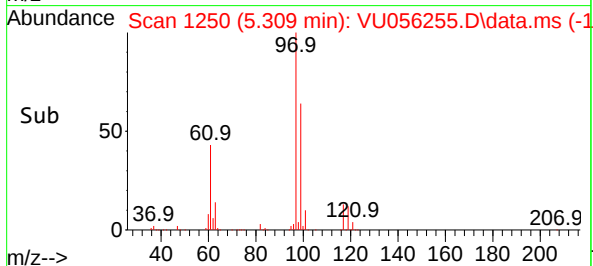
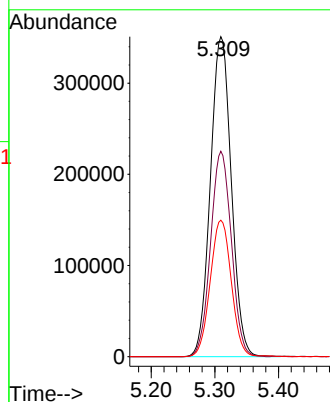
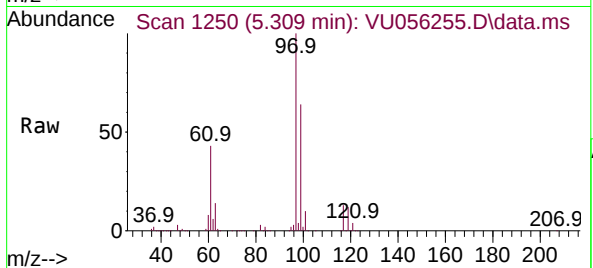
Tgt Ion: 97 Resp: 801067

Ion Ratio Lower Upper

97 100

99 63.9 51.6 77.4

61 42.9 34.3 51.5



#30

Cyclohexane

Concen: 23.388 ug/L

RT: 5.383 min Scan# 1273

Delta R.T. 0.000 min

Lab File: VU056255.D

Acq: 13 Nov 2023 16:03

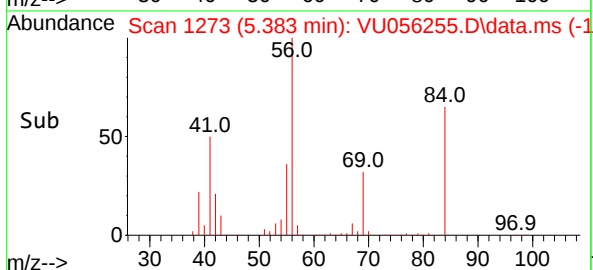
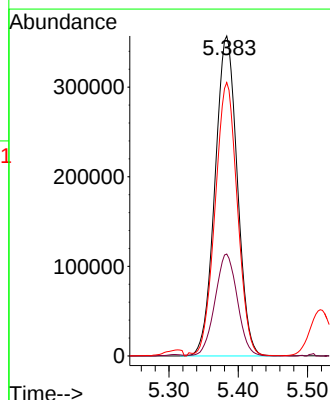
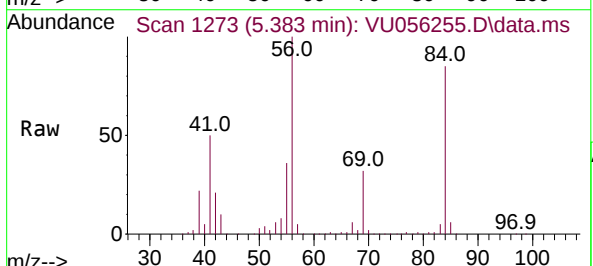
Tgt Ion: 56 Resp: 797401

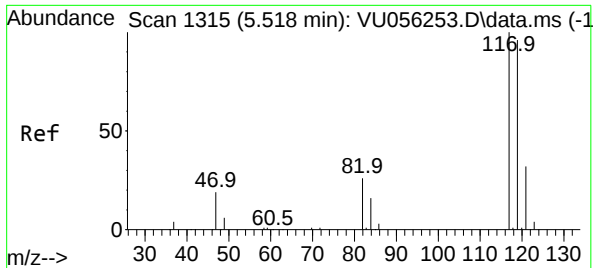
Ion Ratio Lower Upper

56 100

69 31.9 25.4 38.2

84 85.5 68.6 103.0

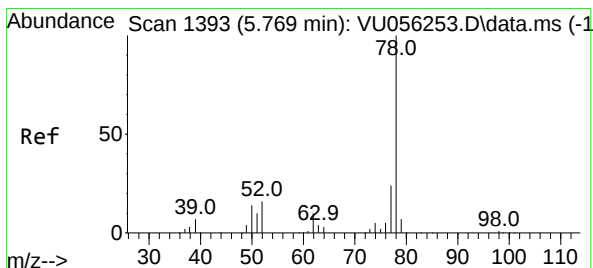
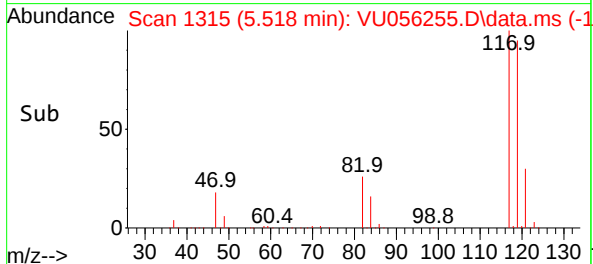
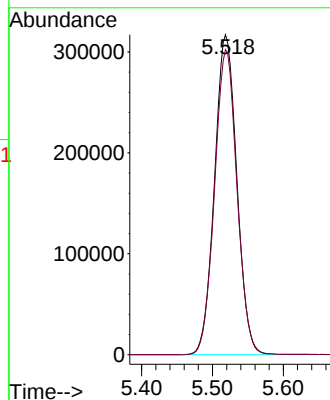
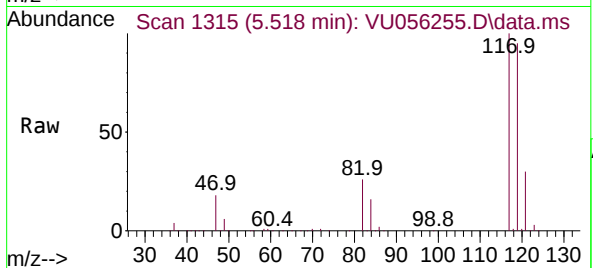




#31
Carbon tetrachloride
Concen: 22.440 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VU056255.D
Acq: 13 Nov 2023 16:03

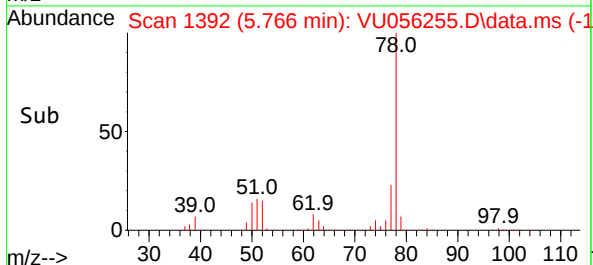
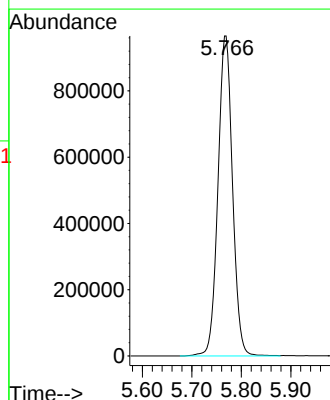
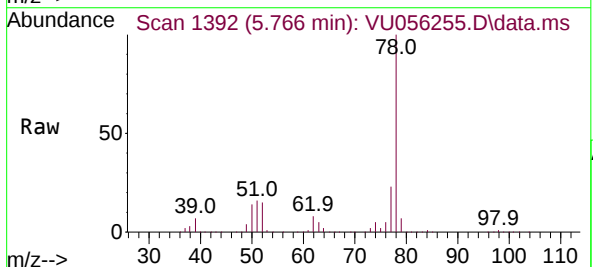
Instrument :
MSVOA_U
ClientSampleId :

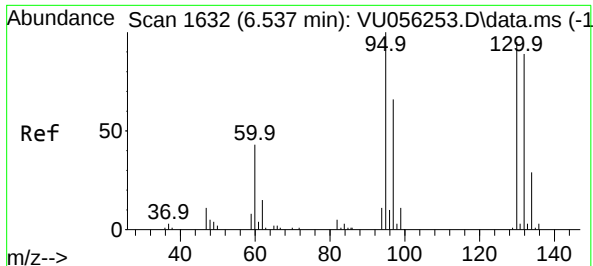
Tgt Ion:117 Resp: 692373
Ion Ratio Lower Upper
117 100
119 95.8 78.1 117.1



#33
Benzene
Concen: 22.139 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. -0.003 min
Lab File: VU056255.D
Acq: 13 Nov 2023 16:03

Tgt Ion: 78 Resp: 1976865





#34

Trichloroethene

Concen: 22.047 ug/L

RT: 6.534 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU056255.D

Acq: 13 Nov 2023 16:03

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 536402

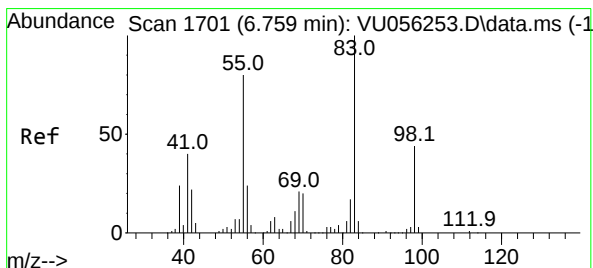
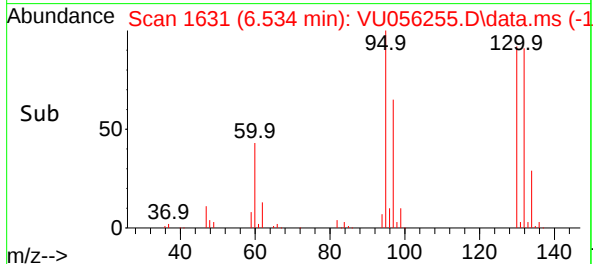
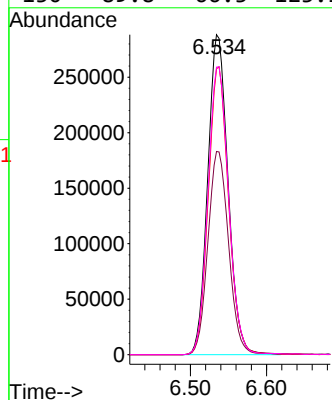
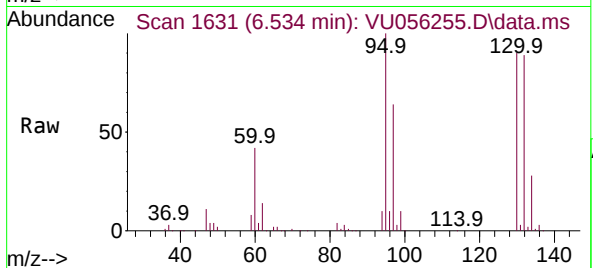
Ion Ratio Lower Upper

95 100

97 63.5 46.5 86.3

132 89.3 62.0 115.2

130 89.8 66.3 123.1



#35

Methylcyclohexane

Concen: 24.021 ug/L

RT: 6.759 min Scan# 1701

Delta R.T. 0.000 min

Lab File: VU056255.D

Acq: 13 Nov 2023 16:03

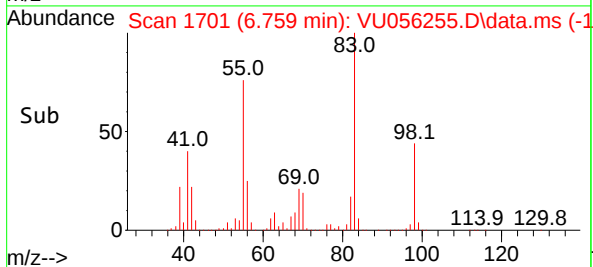
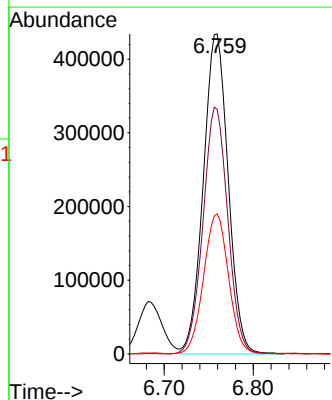
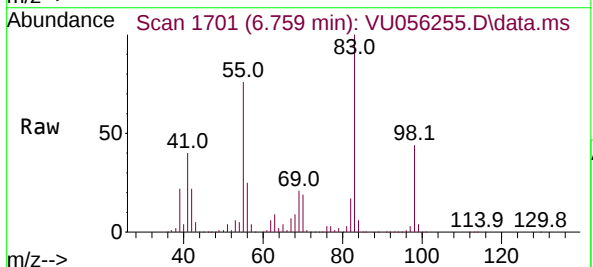
Tgt Ion: 83 Resp: 843738

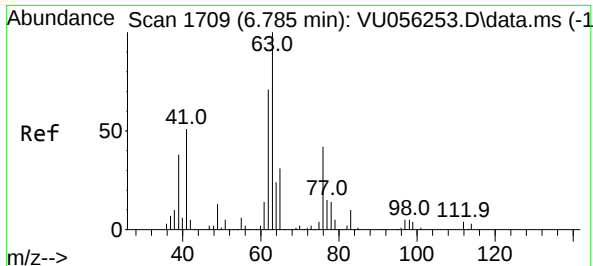
Ion Ratio Lower Upper

83 100

55 76.9 62.9 94.3

98 43.8 35.3 52.9





#37

1,2-Dichloropropane

Concen: 22.033 ug/L

RT: 6.785 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU056255.D

Acq: 13 Nov 2023 16:03

Instrument :

MSVOA_U

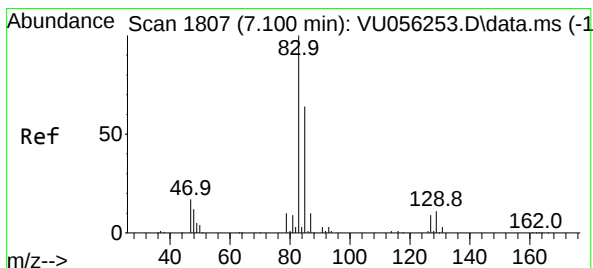
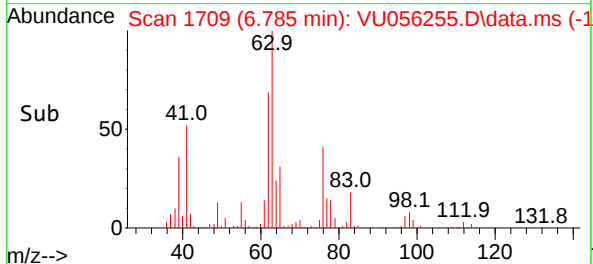
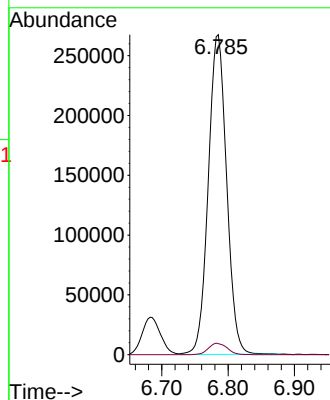
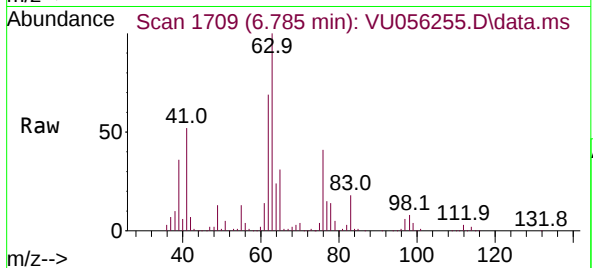
ClientSampleId :

Tgt Ion: 63 Resp: 513069

Ion Ratio Lower Upper

63 100

112 3.7 3.2 4.8



#38

Bromodichloromethane

Concen: 21.458 ug/L

RT: 7.097 min Scan# 1806

Delta R.T. -0.003 min

Lab File: VU056255.D

Acq: 13 Nov 2023 16:03

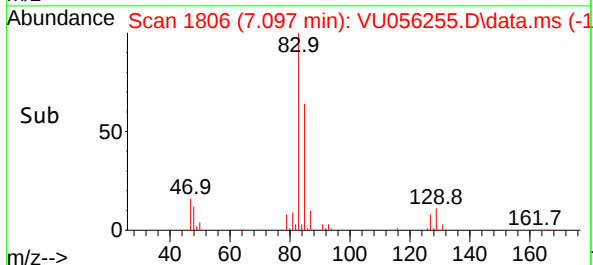
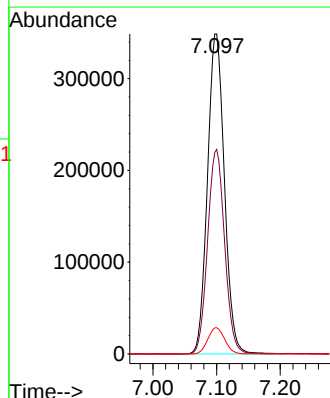
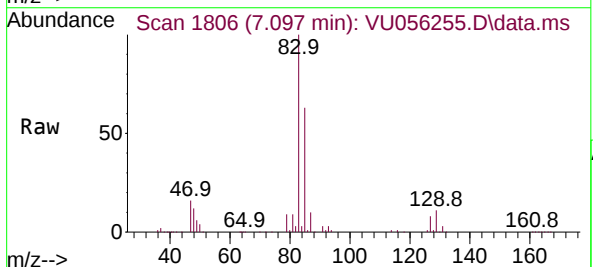
Tgt Ion: 83 Resp: 645073

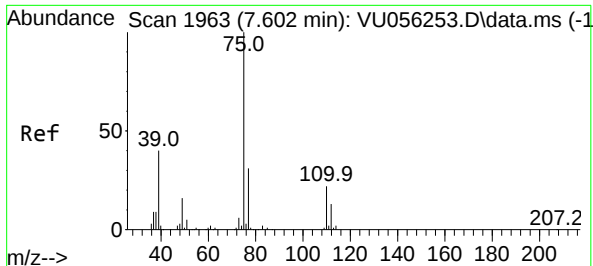
Ion Ratio Lower Upper

83 100

85 63.0 44.9 83.5

127 8.2 6.9 10.3

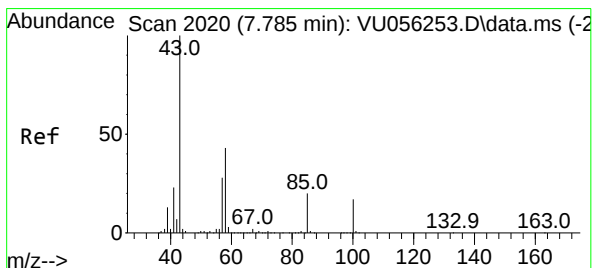
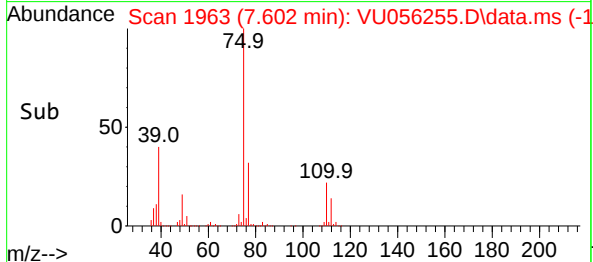
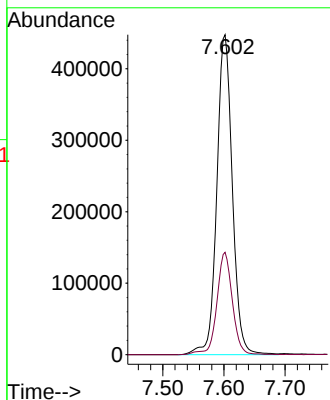
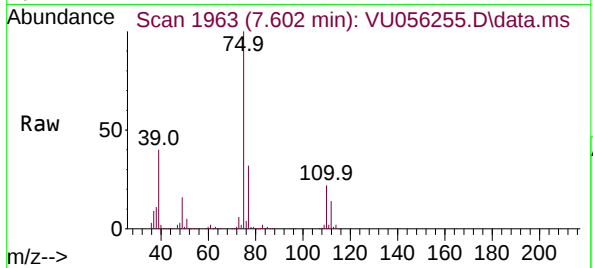




#39
 cis-1,3-Dichloropropene
 Concen: 23.128 ug/L
 RT: 7.602 min Scan# 1963
 Delta R.T. 0.000 min
 Lab File: VU056255.D
 Acq: 13 Nov 2023 16:03

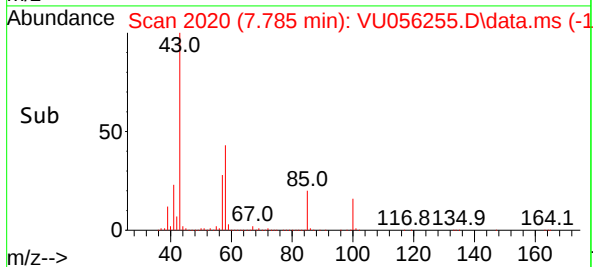
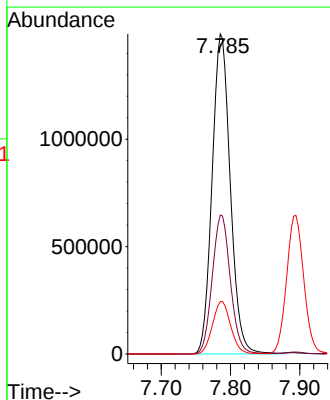
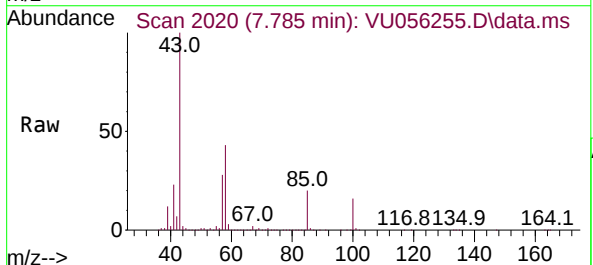
Instrument :
 MSVOA_U
 ClientSampleId :

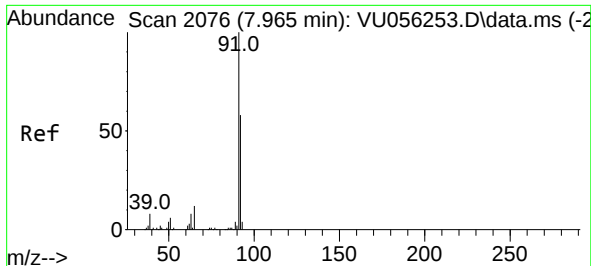
Tgt Ion: 75 Resp: 791390
 Ion Ratio Lower Upper
 75 100
 77 32.0 21.5 39.9



#40
 4-Methyl-2-pentanone
 Concen: 234.755 ug/L
 RT: 7.785 min Scan# 2020
 Delta R.T. 0.000 min
 Lab File: VU056255.D
 Acq: 13 Nov 2023 16:03

Tgt Ion: 43 Resp: 2709848
 Ion Ratio Lower Upper
 43 100
 58 43.4 33.8 50.8
 100 16.5 13.0 19.4





#42

Toluene

Concen: 22.629 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU056255.D

Acq: 13 Nov 2023 16:03

Instrument :

MSVOA_U

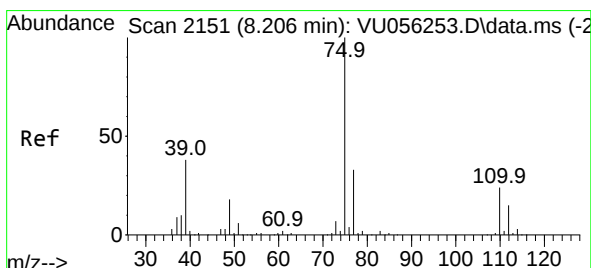
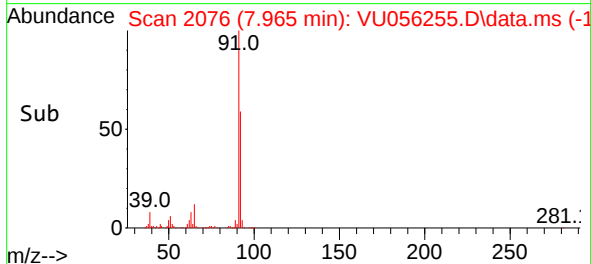
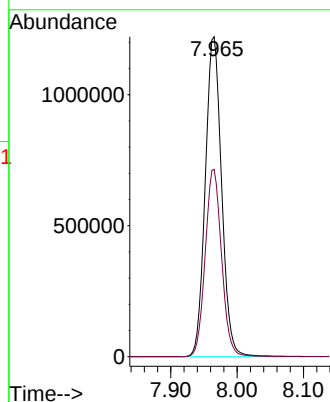
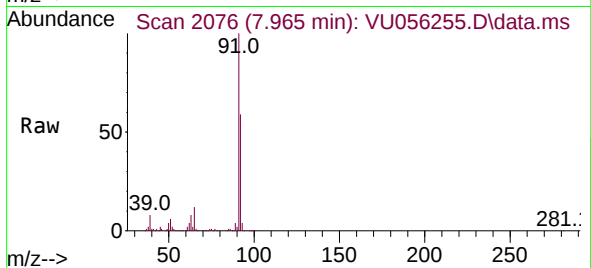
ClientSampleId :

Tgt Ion: 91 Resp: 2091950

Ion Ratio Lower Upper

91 100

92 58.5 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 23.402 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. -0.003 min

Lab File: VU056255.D

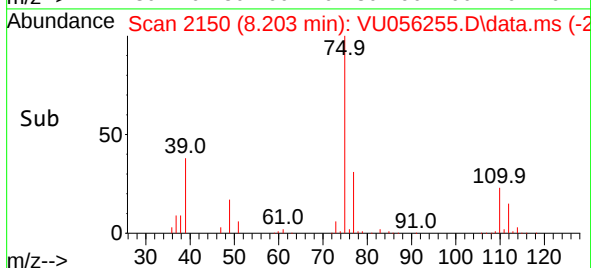
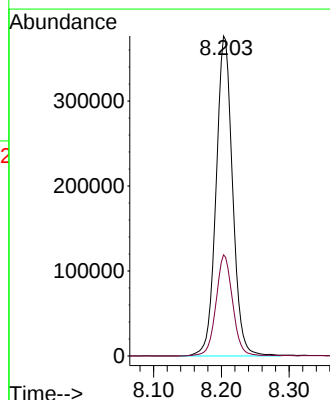
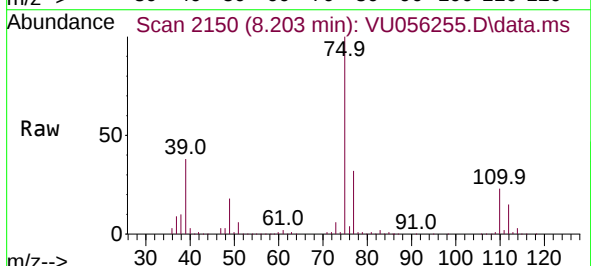
Acq: 13 Nov 2023 16:03

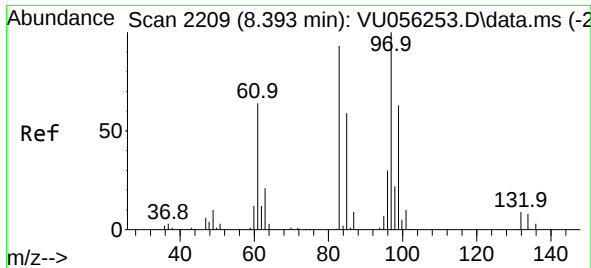
Tgt Ion: 75 Resp: 638356

Ion Ratio Lower Upper

75 100

77 31.6 22.8 42.4

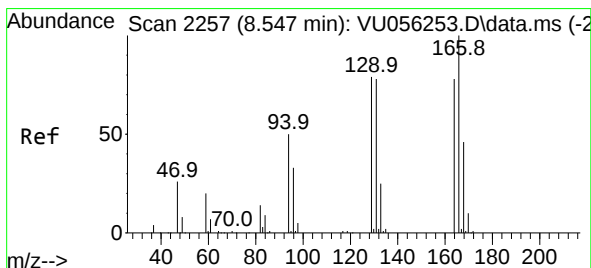
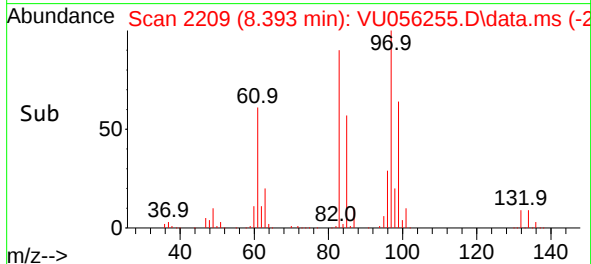
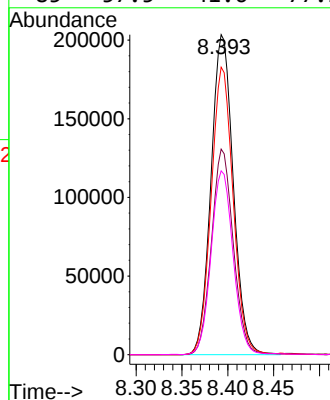
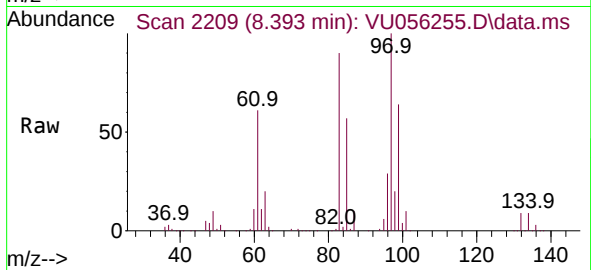




#45
1,1,2-Trichloroethane
Concen: 22.171 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. 0.000 min
Lab File: VU056255.D
Acq: 13 Nov 2023 16:03

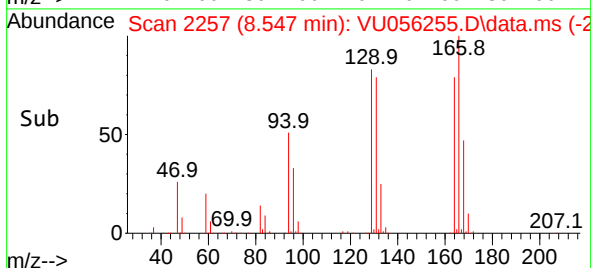
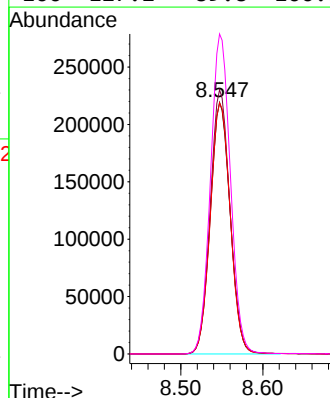
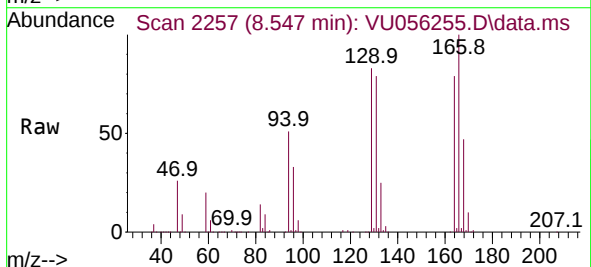
Instrument :
MSVOA_U
ClientSampleId :

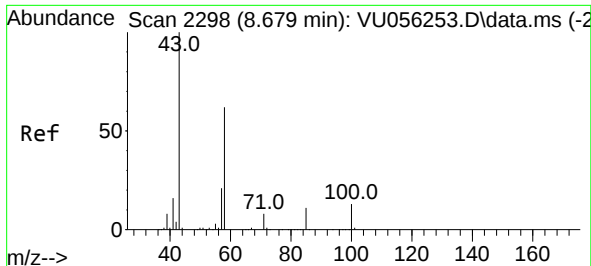
Tgt Ion: 97	Resp: 343842
Ion Ratio	Lower Upper
97 100	
99 64.3	44.3 82.3
83 89.9	65.4 121.4
85 57.5	41.6 77.3



#47
Tetrachloroethene
Concen: 22.657 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VU056255.D
Acq: 13 Nov 2023 16:03

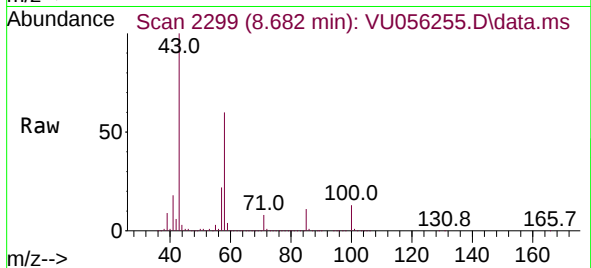
Tgt	Ion:164	Resp:	371702
Ion	Ratio	Lower	Upper
164	100		
129	105.0	71.0	131.9
131	99.9	70.3	130.7
166	127.2	89.8	166.8





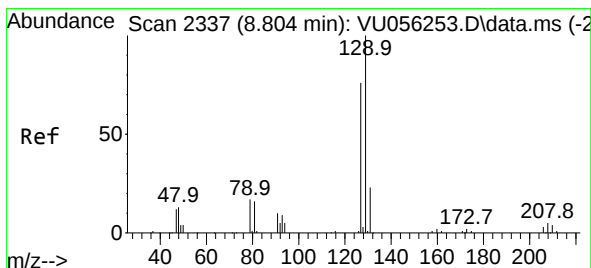
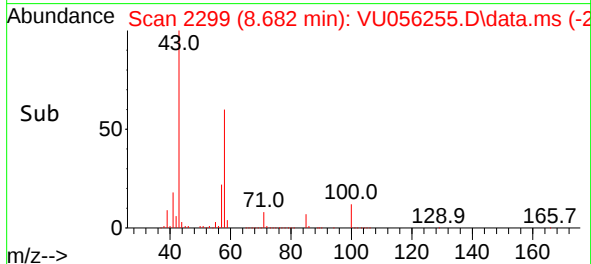
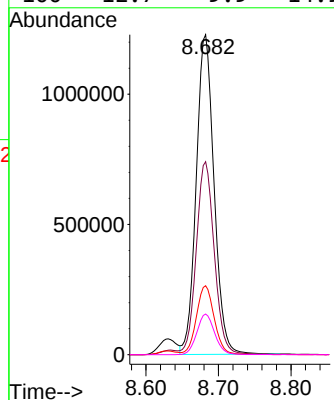
#48
2-Hexanone
Concen: 233.390 ug/L
RT: 8.682 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU056255.D
Acq: 13 Nov 2023 16:03

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 43 Resp: 2098820

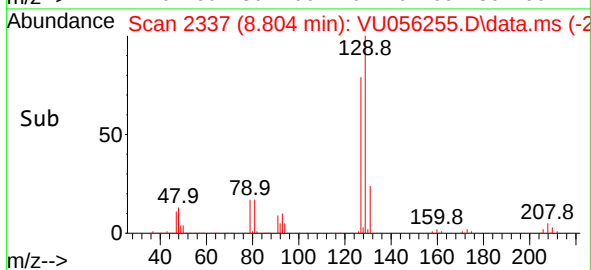
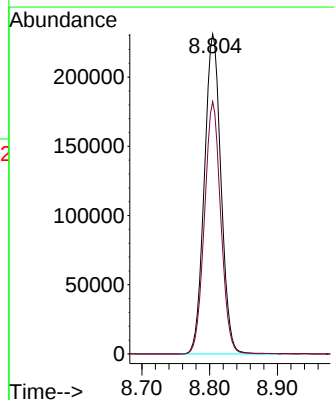
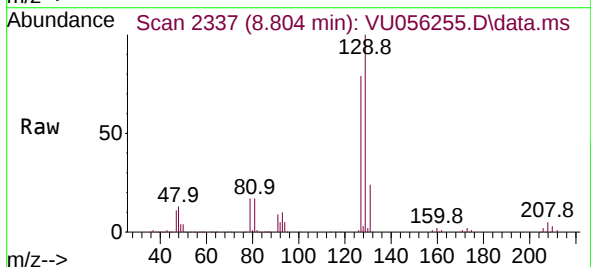
Ion	Ratio	Lower	Upper
43	100		
58	60.9	48.7	73.1
57	21.6	16.8	25.2
100	12.7	9.9	14.9

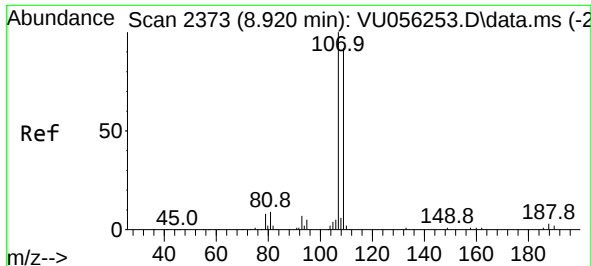


#49
Dibromochloromethane
Concen: 22.344 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VU056255.D
Acq: 13 Nov 2023 16:03

Tgt Ion: 129 Resp: 394053

Ion	Ratio	Lower	Upper
129	100		
127	78.9	52.9	98.3





#50

1,2-Dibromoethane

Concen: 22.040 ug/L

RT: 8.917 min Scan# 21

Delta R.T. -0.003 min

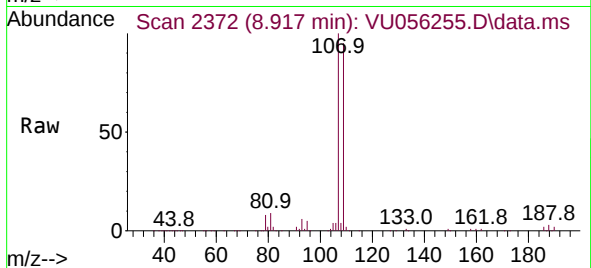
Lab File: VU056255.D

Acq: 13 Nov 2023 16:03

Instrument :

MSVOA_U

ClientSampleId :



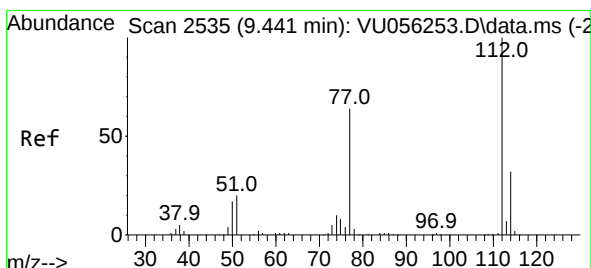
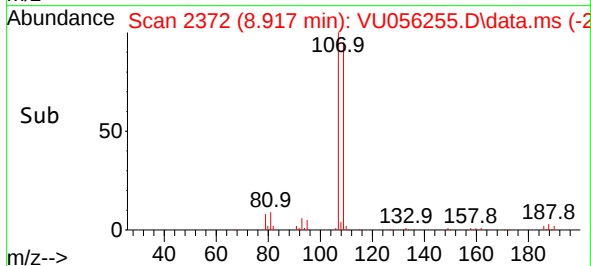
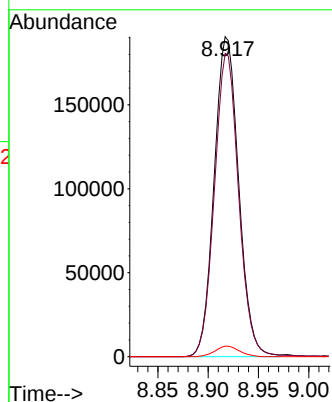
Tgt Ion:107 Resp: 322693

Ion Ratio Lower Upper

107 100

109 94.7 64.2 119.2

188 3.3 2.6 4.0



#51

Chlorobenzene

Concen: 22.103 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. 0.000 min

Lab File: VU056255.D

Acq: 13 Nov 2023 16:03

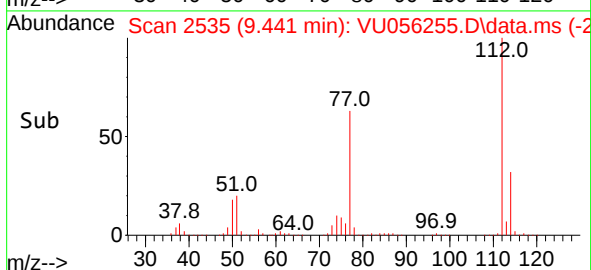
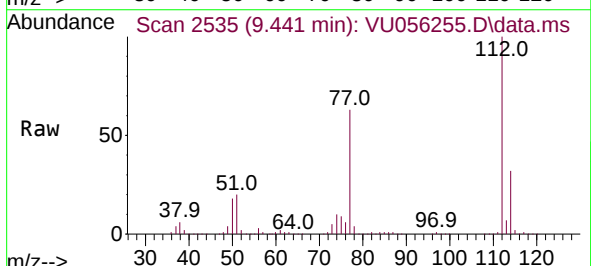
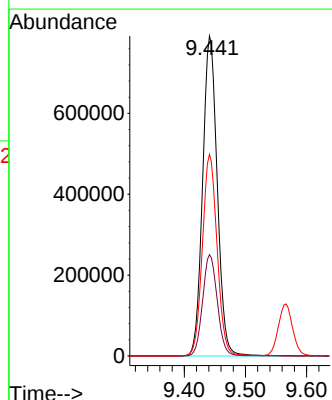
Tgt Ion:112 Resp: 1312982

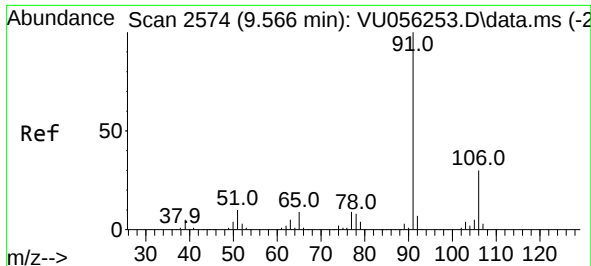
Ion Ratio Lower Upper

112 100

114 31.7 22.5 41.7

77 63.0 51.7 77.5

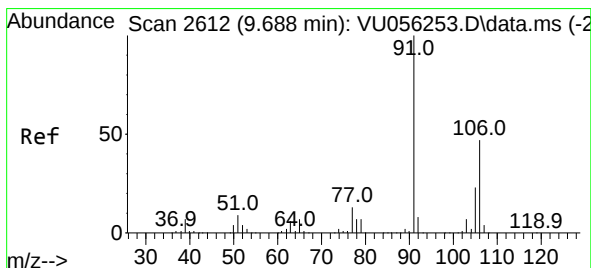
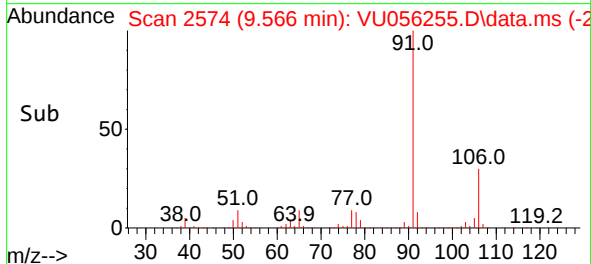
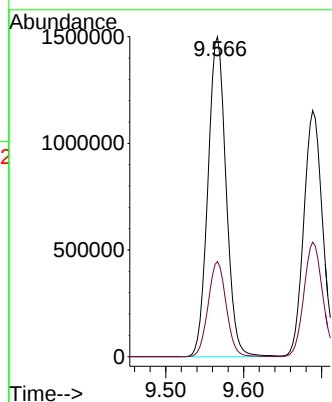
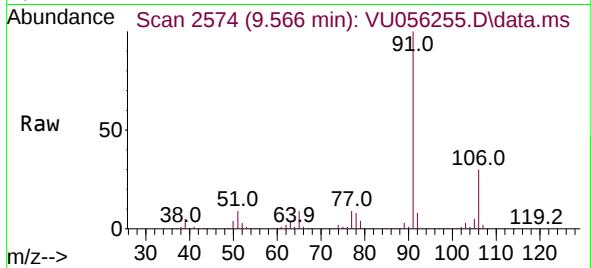




#52
Ethylbenzene
Concen: 23.628 ug/L
RT: 9.566 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU056255.D
Acq: 13 Nov 2023 16:03

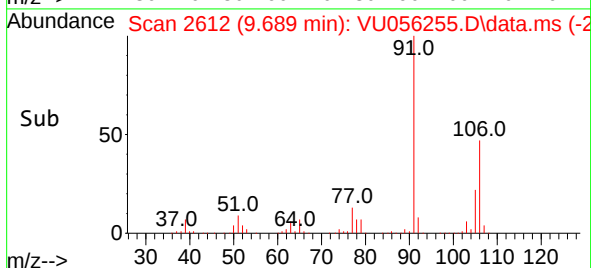
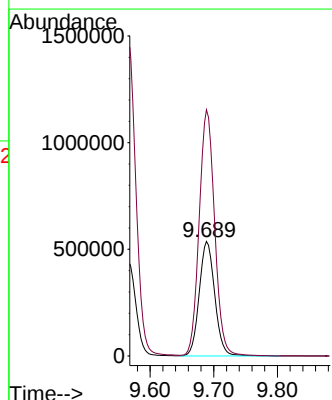
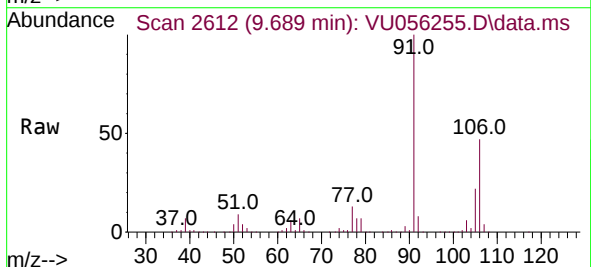
Instrument :
MSVOA_U
ClientSampleId :

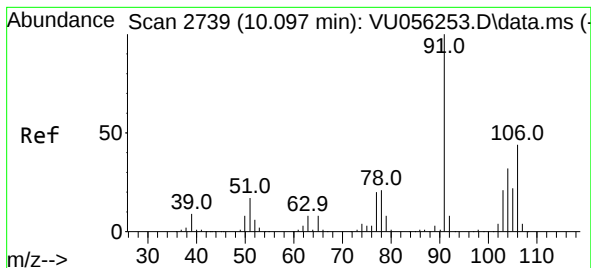
Tgt Ion: 91 Resp: 2425618
Ion Ratio Lower Upper
91 100
106 29.7 21.1 39.1



#53
m,p-Xylene
Concen: 24.034 ug/L
RT: 9.689 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU056255.D
Acq: 13 Nov 2023 16:03

Tgt Ion: 106 Resp: 907043
Ion Ratio Lower Upper
106 100
91 214.9 149.6 277.8





#54

o-Xylene

Concen: 23.773 ug/L

RT: 10.097 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU056255.D

Acq: 13 Nov 2023 16:03

Instrument :

MSVOA_U

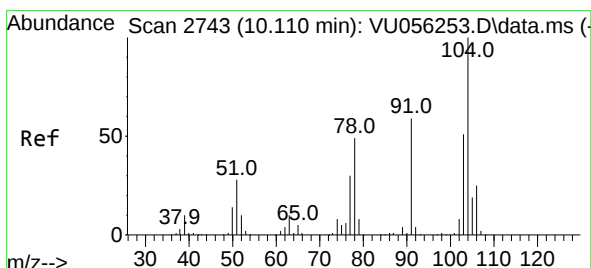
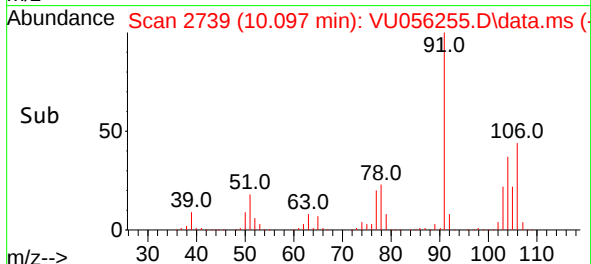
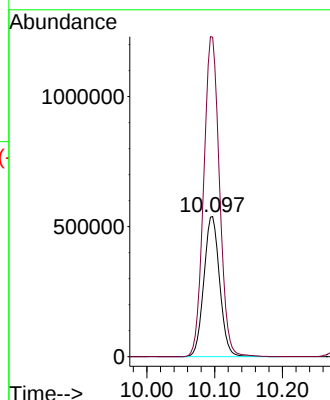
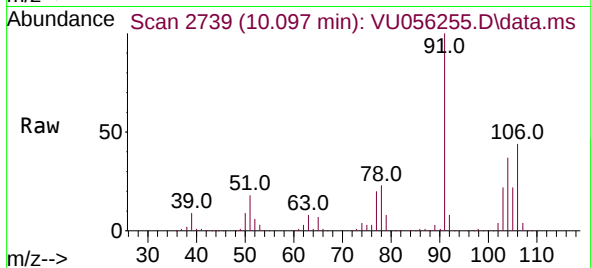
ClientSampleId :

Tgt Ion:106 Resp: 871497

Ion Ratio Lower Upper

106 100

91 228.0 159.3 295.9



#55

Styrene

Concen: 24.885 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. 0.000 min

Lab File: VU056255.D

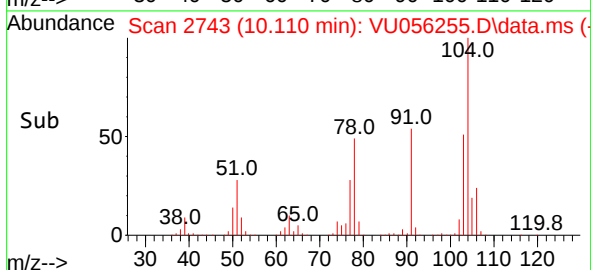
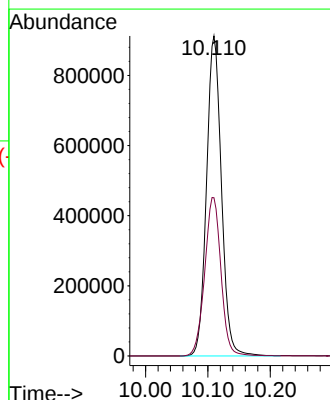
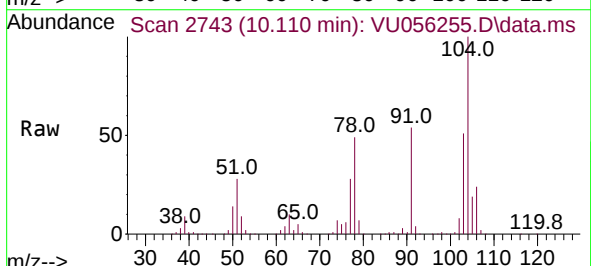
Acq: 13 Nov 2023 16:03

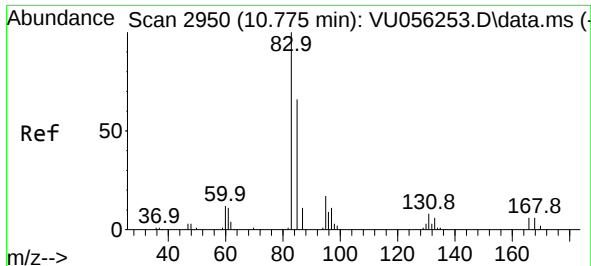
Tgt Ion:104 Resp: 1517497

Ion Ratio Lower Upper

104 100

78 49.5 34.2 63.6

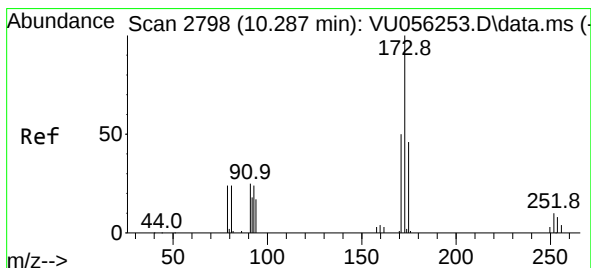
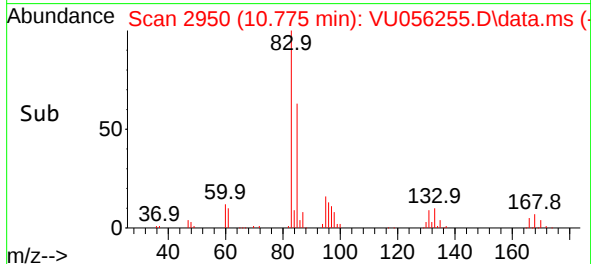
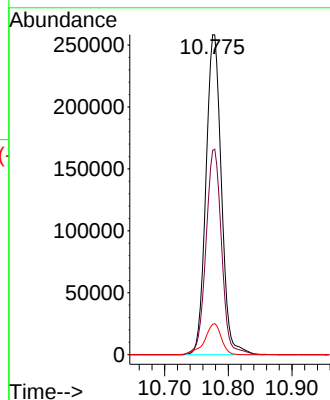
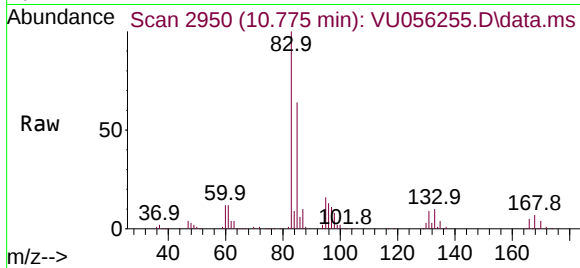




#57
1,1,2,2-Tetrachloroethane
Concen: 22.964 ug/L
RT: 10.775 min Scan# 2950
Delta R.T. 0.000 min
Lab File: VU056255.D
Acq: 13 Nov 2023 16:03

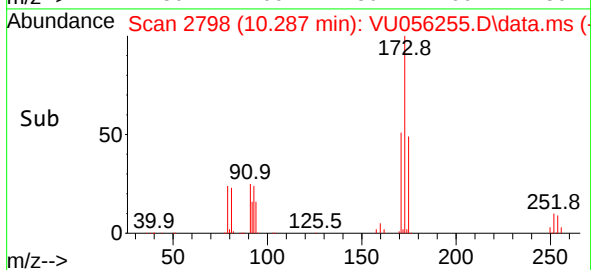
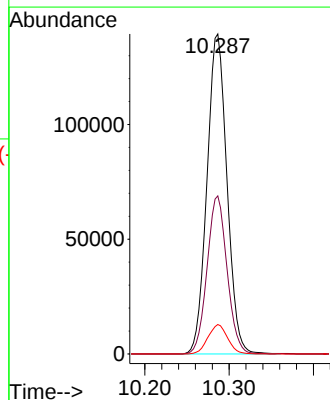
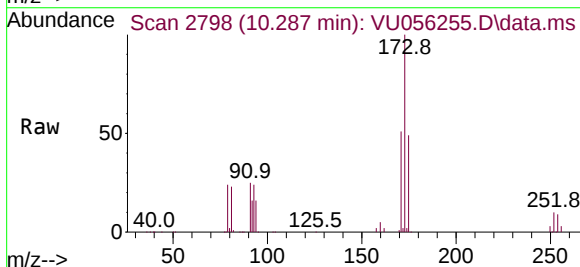
Instrument :
MSVOA_U
ClientSampleId :

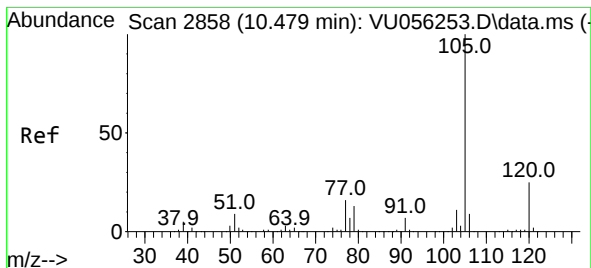
Tgt Ion: 83 Resp: 434854
Ion Ratio Lower Upper
83 100
85 63.9 46.3 86.1
131 9.5 6.7 10.1



#59
Bromoform
Concen: 22.487 ug/L
RT: 10.287 min Scan# 2798
Delta R.T. 0.000 min
Lab File: VU056255.D
Acq: 13 Nov 2023 16:03

Tgt Ion:173 Resp: 230461
Ion Ratio Lower Upper
173 100
175 49.2 38.9 58.3
254 9.0 6.7 10.1





#60

Isopropylbenzene

Concen: 22.716 ug/L

RT: 10.480 min Scan# 2858

Delta R.T. 0.000 min

Lab File: VU056255.D

Acq: 13 Nov 2023 16:03

Instrument :

MSVOA_U

ClientSampleId :

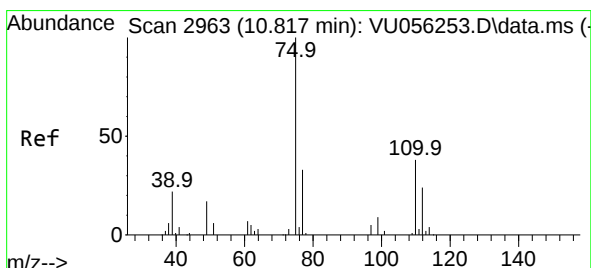
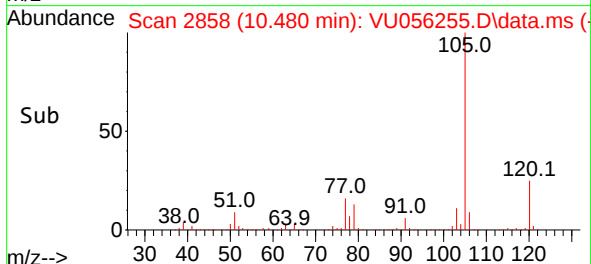
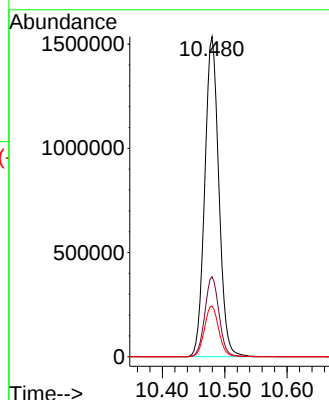
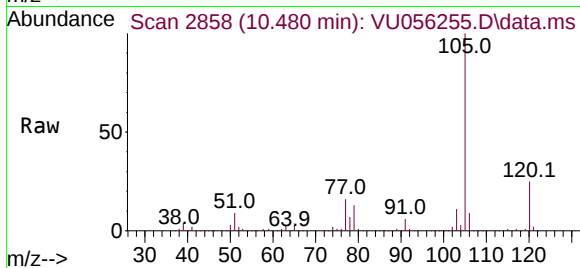
Tgt Ion:105 Resp: 2410341

Ion Ratio Lower Upper

105 100

120 25.2 20.4 30.6

77 16.1 13.3 19.9



#61

1,2,3-Trichloropropane

Concen: 21.131 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. 0.000 min

Lab File: VU056255.D

Acq: 13 Nov 2023 16:03

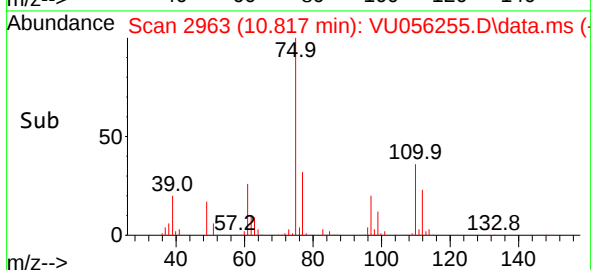
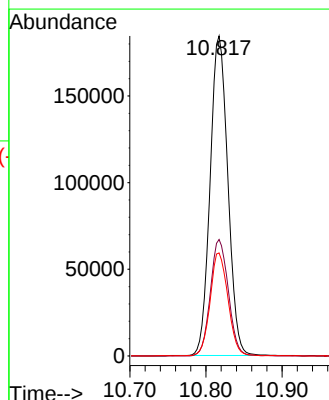
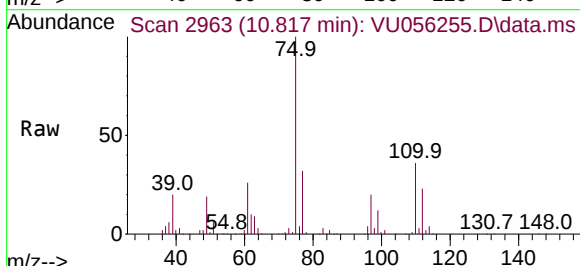
Tgt Ion: 75 Resp: 298307

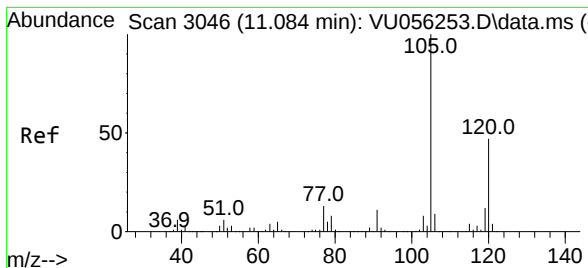
Ion Ratio Lower Upper

75 100

110 37.0 30.4 45.6

77 32.3 27.0 40.6





#62

1,3,5-Trimethylbenzene

Concen: 23.826 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. 0.000 min

Lab File: VU056255.D

Acq: 13 Nov 2023 16:03

Instrument :

MSVOA_U

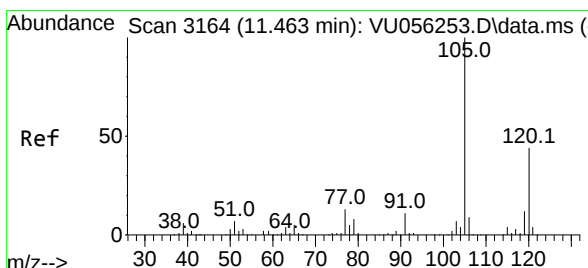
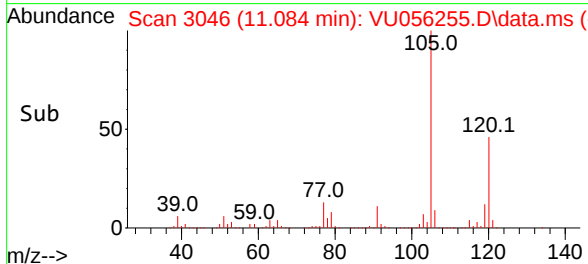
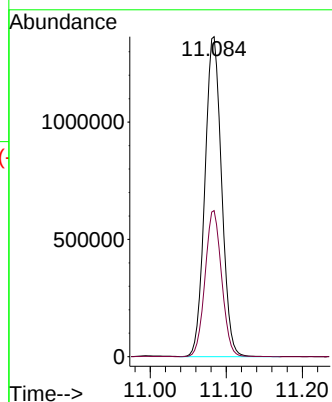
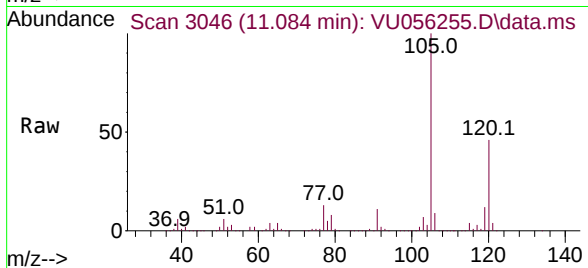
ClientSampleId :

Tgt Ion:105 Resp: 2075791

Ion Ratio Lower Upper

105 100

120 45.4 37.2 55.8



#63

1,2,4-Trimethylbenzene

Concen: 23.776 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VU056255.D

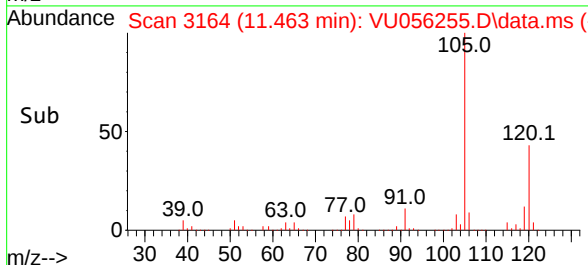
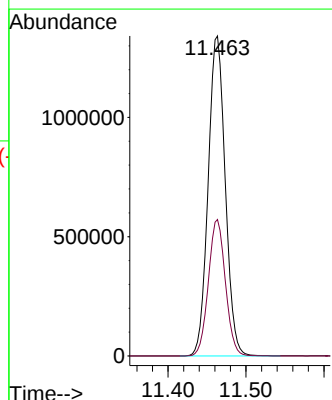
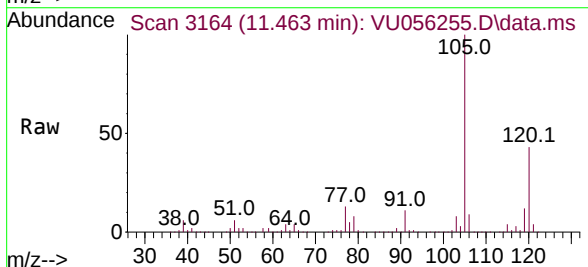
Acq: 13 Nov 2023 16:03

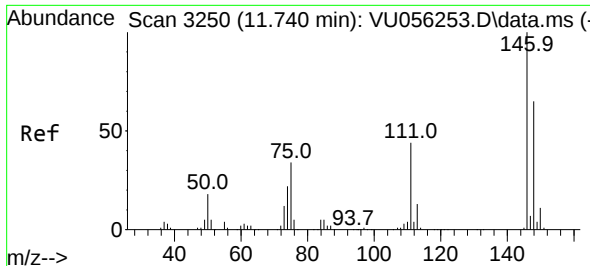
Tgt Ion:105 Resp: 2044683

Ion Ratio Lower Upper

105 100

120 42.5 34.0 51.0

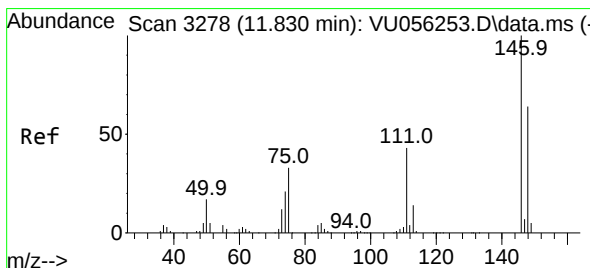
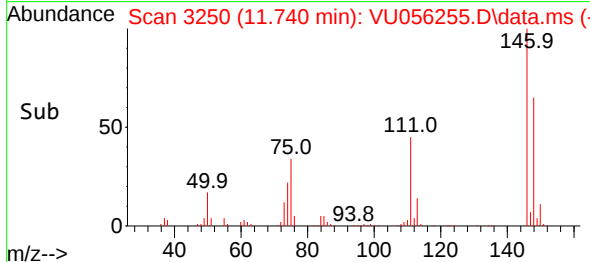
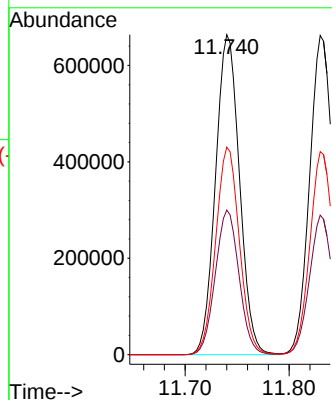
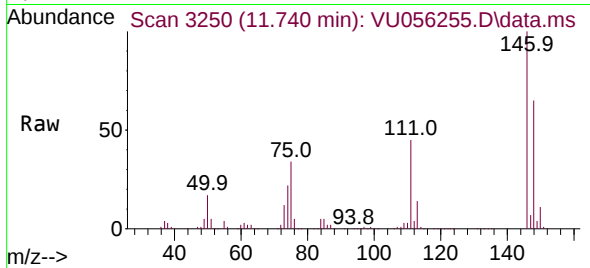




#64
 1,3-Dichlorobenzene
 Concen: 22.074 ug/L
 RT: 11.740 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU056255.D
 Acq: 13 Nov 2023 16:03

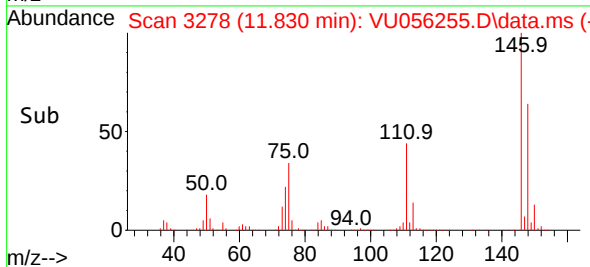
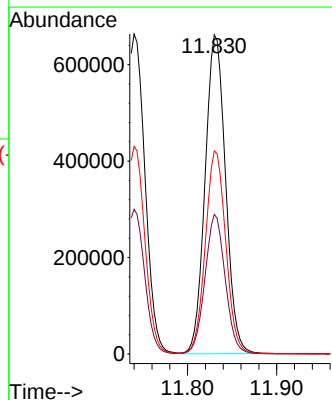
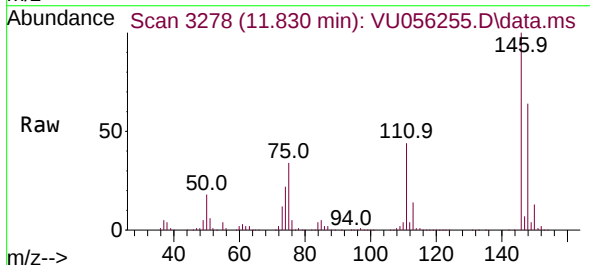
Instrument :
 MSVOA_U
 ClientSampleId :

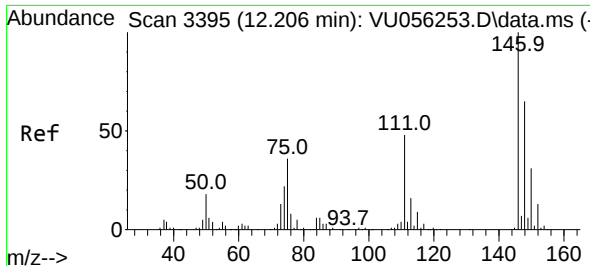
Tgt Ion:146 Resp: 1065426
 Ion Ratio Lower Upper
 146 100
 111 45.2 31.1 57.7
 148 64.9 45.1 83.9



#65
 1,4-Dichlorobenzene
 Concen: 21.814 ug/L
 RT: 11.830 min Scan# 3278
 Delta R.T. 0.000 min
 Lab File: VU056255.D
 Acq: 13 Nov 2023 16:03

Tgt Ion:146 Resp: 1056139
 Ion Ratio Lower Upper
 146 100
 111 43.7 30.5 56.7
 148 63.6 44.8 83.2





#67

1,2-Dichlorobenzene

Concen: 21.898 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. 0.000 min

Lab File: VU056255.D

Acq: 13 Nov 2023 16:03

Instrument :

MSVOA_U

ClientSampleId :

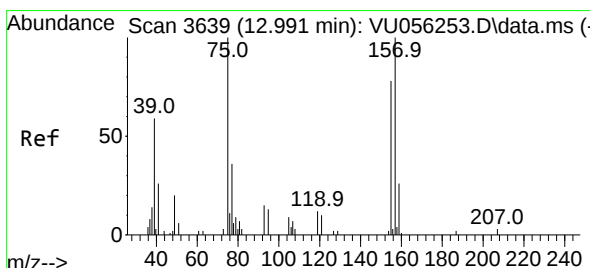
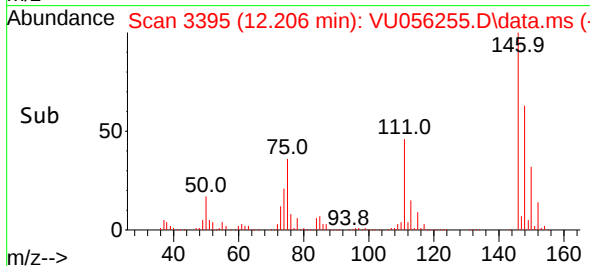
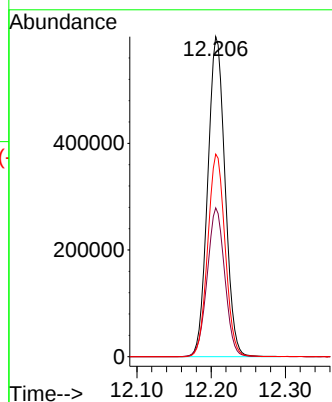
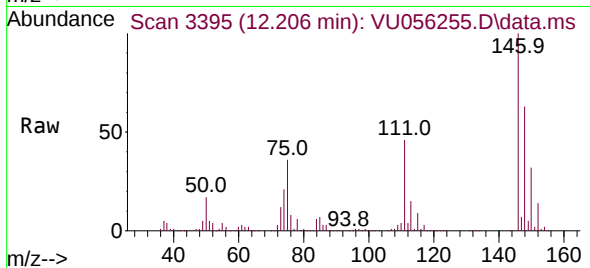
Tgt Ion:146 Resp: 969688

Ion Ratio Lower Upper

146 100

111 46.5 38.3 57.5

148 63.3 52.2 78.4



#68

1,2-Dibromo-3-chloropropane

Concen: 22.743 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.000 min

Lab File: VU056255.D

Acq: 13 Nov 2023 16:03

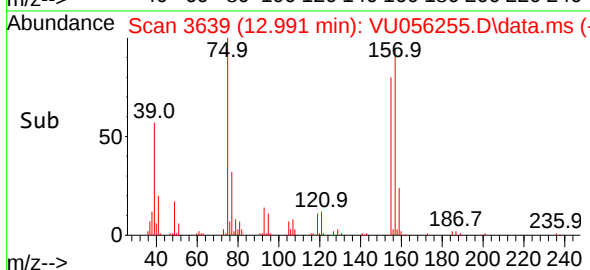
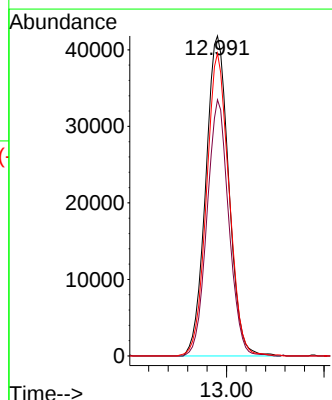
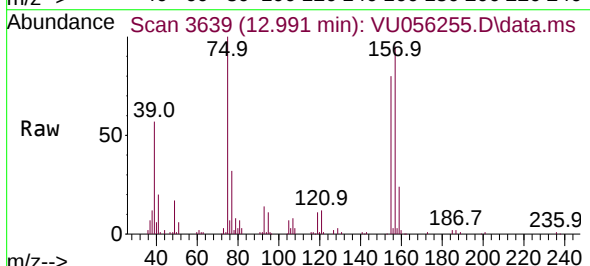
Tgt Ion: 75 Resp: 68578

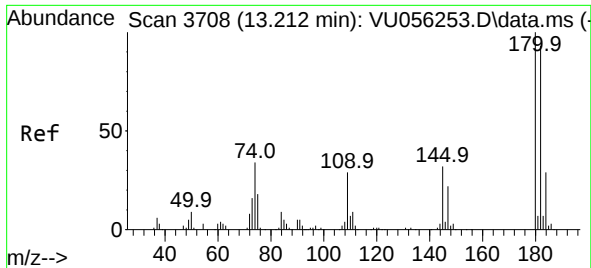
Ion Ratio Lower Upper

75 100

155 80.0 62.4 93.6

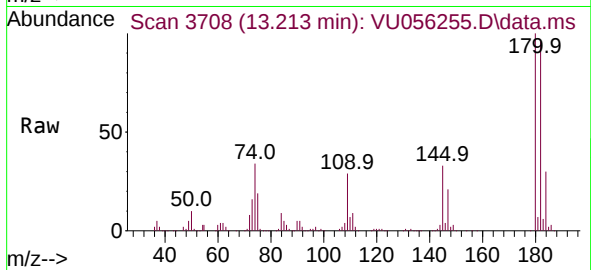
157 94.6 80.2 120.2



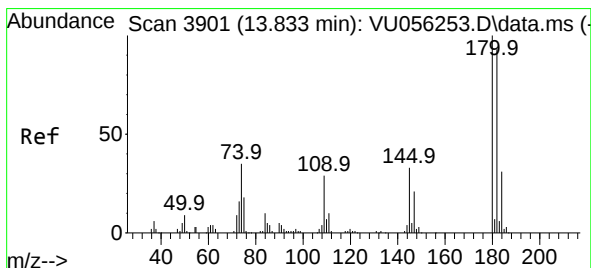
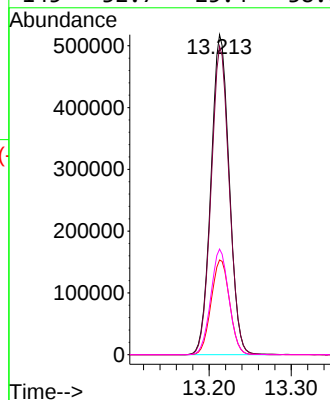
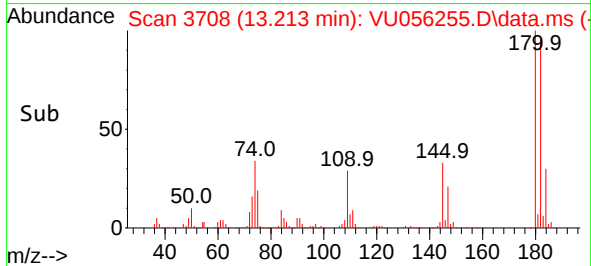


#69
 1,3,5-Trichlorobenzene
 Concen: 21.981 ug/L
 RT: 13.213 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU056255.D
 Acq: 13 Nov 2023 16:03

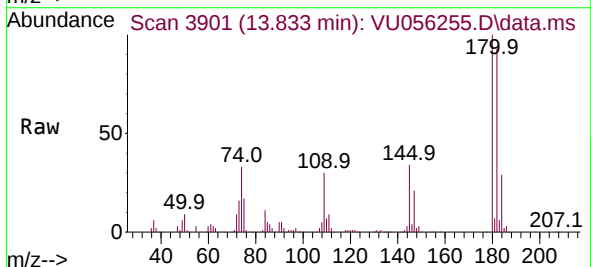
Instrument :
 MSVOA_U
 ClientSampleId :



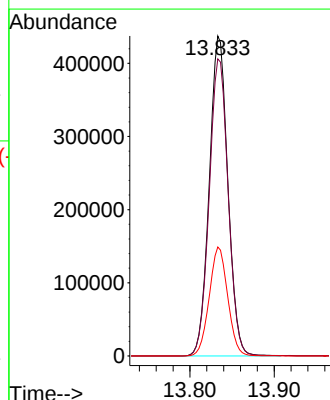
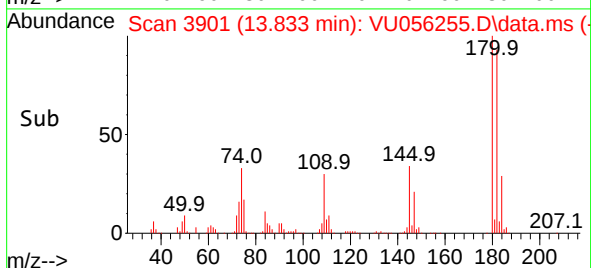
Tgt Ion:180 Resp: 798799
 Ion Ratio Lower Upper
 180 100
 182 95.9 75.1 112.7
 184 30.0 23.5 35.3
 145 32.7 25.4 38.0

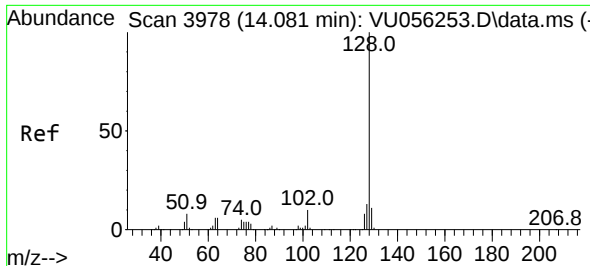


#70
 1,2,4-trichlorobenzene
 Concen: 22.640 ug/L
 RT: 13.833 min Scan# 3901
 Delta R.T. 0.000 min
 Lab File: VU056255.D
 Acq: 13 Nov 2023 16:03



Tgt Ion:180 Resp: 670103
 Ion Ratio Lower Upper
 180 100
 182 94.8 75.4 113.2
 145 33.9 26.8 40.2

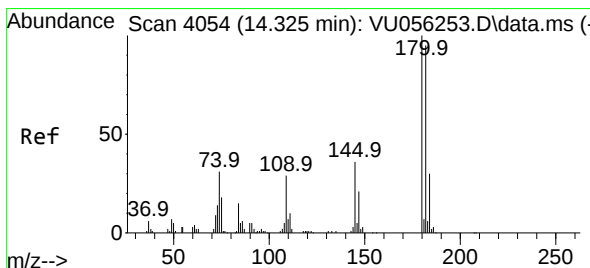
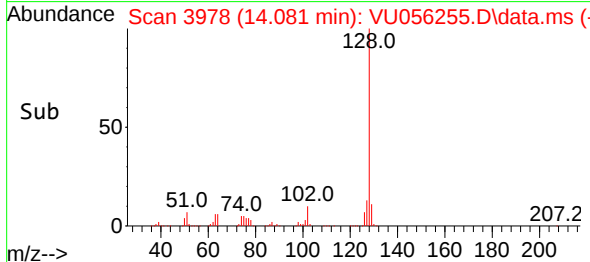
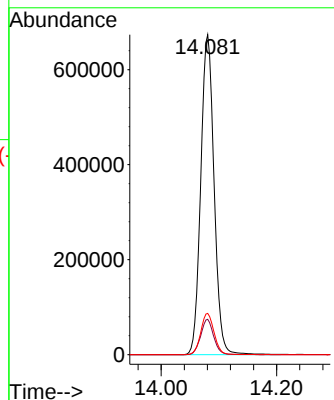
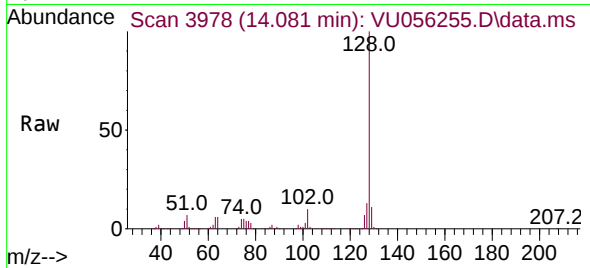




#71
Naphthalene
Concen: 24.107 ug/L
RT: 14.081 min Scan# 3978
Delta R.T. 0.000 min
Lab File: VU056255.D
Acq: 13 Nov 2023 16:03

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 1078058
Ion Ratio Lower Upper
128 100
129 10.8 8.6 12.8
127 12.9 10.3 15.5



#72
1,2,3-Trichlorobenzene
Concen: 22.566 ug/L
RT: 14.322 min Scan# 4053
Delta R.T. -0.003 min
Lab File: VU056255.D
Acq: 13 Nov 2023 16:03

Tgt Ion:180 Resp: 550186
Ion Ratio Lower Upper
180 100
182 96.0 78.6 117.8
145 35.8 29.0 43.6

