

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071723\
 Data File : VU054790.D
 Acq On : 17 Jul 2023 10:39
 Operator : MD/SY
 Sample : VSTD05031
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050031

Quant Time: Jul 18 05:33:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM071723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 18 05:32:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	238213	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	233683	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	134202	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	94555	51.357	ug/L	0.00
7) Chloroethane-d5	1.879	69	93575	50.807	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.557	63	136527	51.694	ug/L	0.00
21) 2-Butanone-d5	4.615	46	124092	104.857	ug/L	0.00
24) Chloroform-d	5.055	84	144320	50.356	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.695	65	86329	50.302	ug/L	0.00
32) Benzene-d6	5.721	84	291761	52.415	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.685	67	94562	50.451	ug/L	0.00
41) Toluene-d8	7.894	98	274522	51.755	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.174	79	48568	50.654	ug/L	0.00
47) 2-Hexanone-d5	8.631	63	94922	107.136	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.753	84	176723	51.333	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.190	152	123314	53.473	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	91349	50.741	ug/L	100
3) Chloromethane	1.518	50	105438	51.355	ug/L	100
5) Vinyl chloride	1.602	62	137503	51.511	ug/L	100
6) Bromomethane	1.824	94	81821	50.359	ug/L	100
8) Chloroethane	1.904	64	95242	51.575	ug/L	100
9) Trichlorofluoromethane	2.120	101	221069	51.741	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	80842	51.291	ug/L	100
12) 1,1-Dichloroethene	2.567	96	76804	51.818	ug/L	100
13) Acetone	2.621	43	96134	96.580	ug/L	100
14) Carbon disulfide	2.782	76	219914	50.812	ug/L	100
15) Methyl Acetate	2.943	43	87170	52.504	ug/L	100
16) Methylene chloride	3.036	84	91906	51.365	ug/L	100
17) trans-1,2-Dichloroethene	3.342	96	78544	51.197	ug/L	100
18) Methyl tert-butyl Ether	3.358	73	275823	51.950	ug/L	100
19) 1,1-Dichloroethane	3.859	63	152985	52.260	ug/L	100
20) cis-1,2-Dichloroethene	4.660	96	94254	51.690	ug/L	100
22) 2-Butanone	4.698	43	139826	102.864	ug/L	100
23) Bromochloromethane	4.968	128	47845	51.576	ug/L	100
25) Chloroform	5.078	83	160067	52.143	ug/L	100
27) 1,2-Dichloroethane	5.788	62	120264	51.588	ug/L	100
29) Cyclohexane	5.380	56	129005	50.205	ug/L	100
30) 1,1,1-Trichloroethane	5.309	97	137363	52.967	ug/L	100
31) Carbon tetrachloride	5.515	117	118740	53.019	ug/L	100
33) Benzene	5.766	78	354542	52.953	ug/L	100
34) Trichloroethene	6.538	95	89942	52.774	ug/L	100
35) Methylcyclohexane	6.756	83	141708	50.878	ug/L	100
37) 1,2-Dichloropropane	6.785	63	96592	52.456	ug/L	100
38) Bromodichloromethane	7.100	83	124809	52.831	ug/L	100
39) cis-1,3-Dichloropropene	7.602	75	157411	51.831	ug/L	100
40) 4-Methyl-2-pentanone	7.788	43	296192	105.049	ug/L	100
42) Toluene	7.965	91	394436	52.647	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	147730	51.775	ug/L	100

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

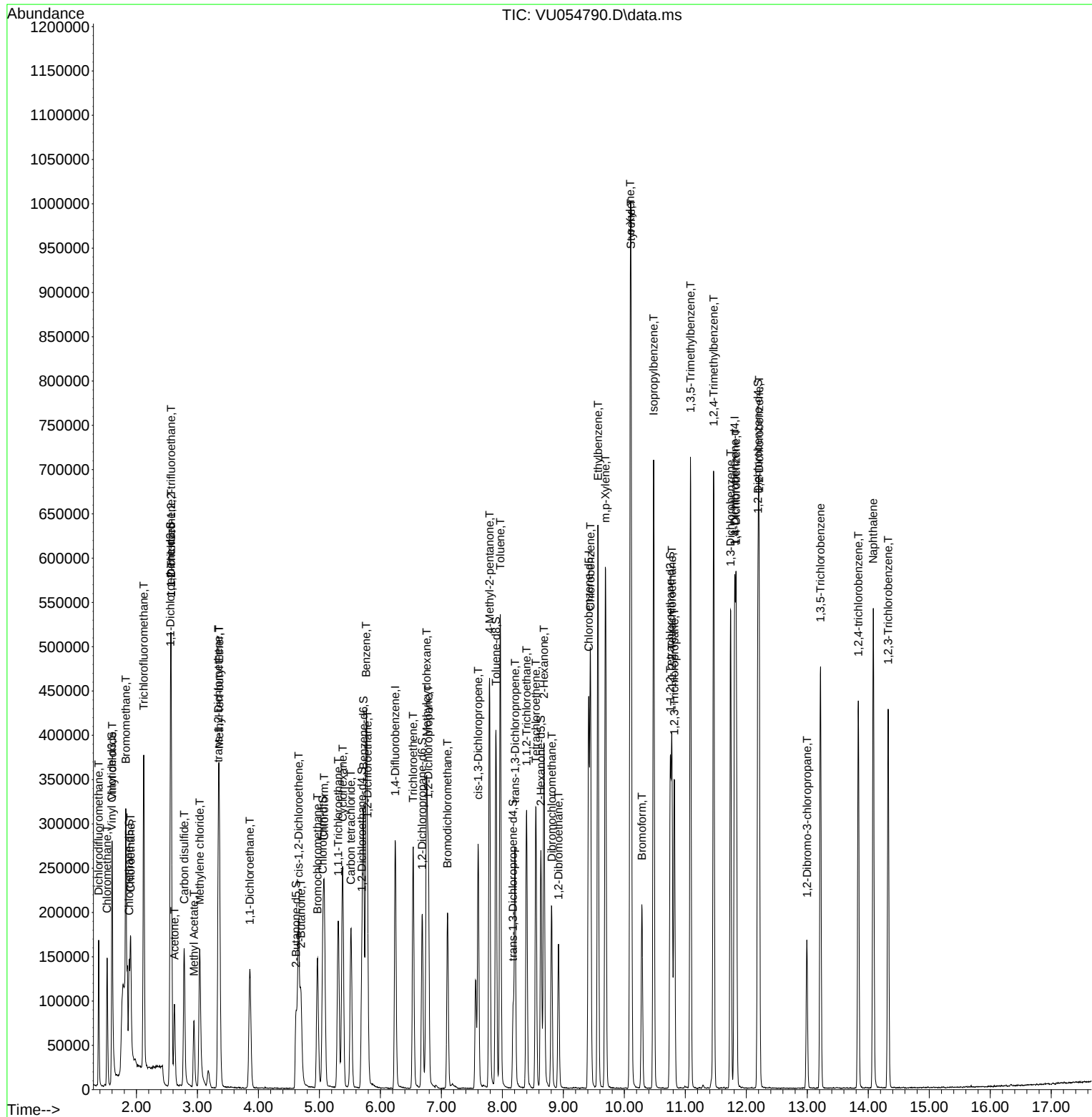
45) 1,1,2-Trichloroethane	8.396	97	97569	51.971	ug/L	100
46) Tetrachloroethene	8.550	164	68413	52.359	ug/L	100
48) 2-Hexanone	8.682	43	240165	105.392	ug/L	100
49) Dibromochloromethane	8.808	129	99668	51.542	ug/L	100
50) 1,2-Dibromoethane	8.920	107	106343	52.626	ug/L	100
51) Chlorobenzene	9.444	112	256387	52.602	ug/L	100
52) Ethylbenzene	9.566	91	448959	51.831	ug/L	100
53) m,p-Xylene	9.689	106	171847	52.108	ug/L	100
54) o-Xylene	10.097	106	173242	51.710	ug/L	100
55) Styrene	10.110	104	305086	52.286	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.779	83	192025	51.808	ug/L	100
59) Bromoform	10.287	173	87325	52.022	ug/L	100
60) 1,2,3-Trichloropropane	10.820	75	138961	53.067	ug/L	100
61) Isopropylbenzene	10.480	105	463239	52.243	ug/L	100
62) 1,3,5-Trimethylbenzene	11.084	105	381062	52.183	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	378737	52.325	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	213745	51.977	ug/L	100
65) 1,4-Dichlorobenzene	11.833	146	214670	51.827	ug/L	100
67) 1,2-Dichlorobenzene	12.209	146	219538	53.144	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.994	75	35637	50.918	ug/L	100
69) 1,3,5-Trichlorobenzene	13.216	180	144195	52.308	ug/L	100
70) 1,2,4-trichlorobenzene	13.836	180	127613	53.622	ug/L	100
71) Naphthalene	14.081	128	426333	54.580	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	124570	53.752	ug/L	100

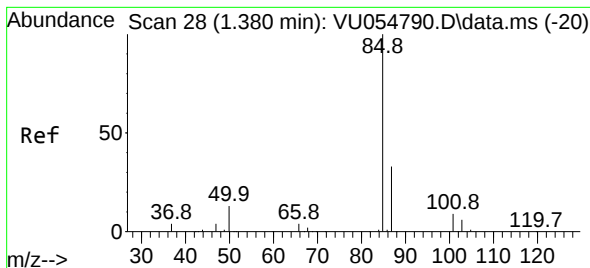
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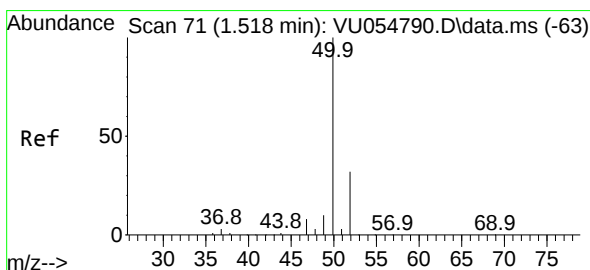
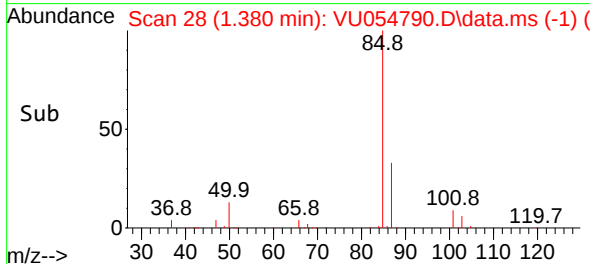
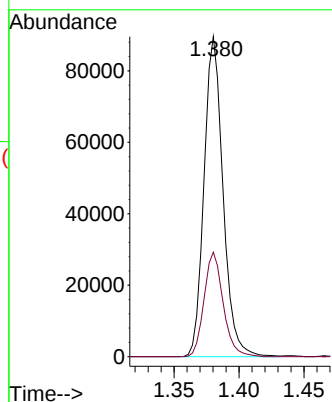
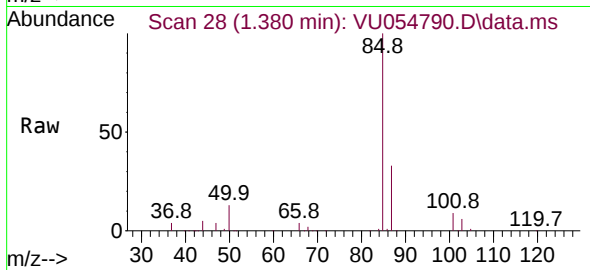




#2
 Dichlorodifluoromethane
 Concen: 50.741 ug/L
 RT: 1.380 min Scan# 28
 Delta R.T. 0.000 min
 Lab File: VU054790.D
 Acq: 17 Jul 2023 10:39

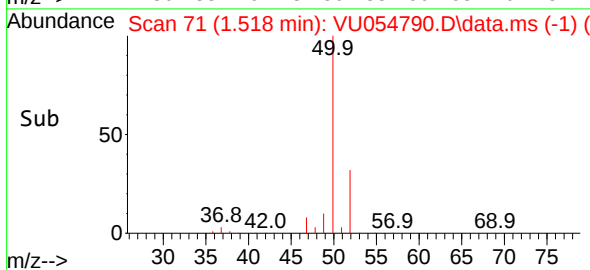
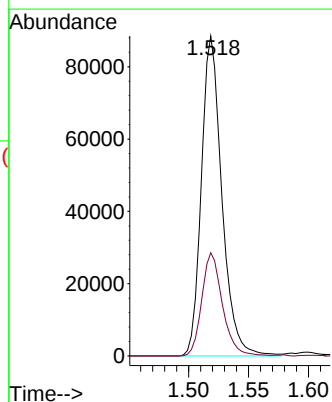
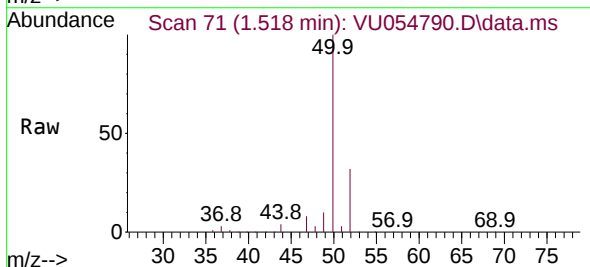
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050031

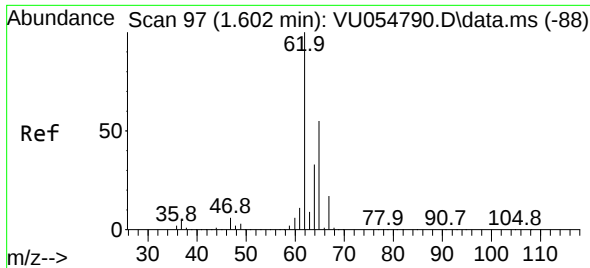
Tgt Ion: 85 Resp: 91349
 Ion Ratio Lower Upper
 85 100
 87 32.7 26.2 39.2



#3
 Chloromethane
 Concen: 51.355 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VU054790.D
 Acq: 17 Jul 2023 10:39

Tgt Ion: 50 Resp: 105438
 Ion Ratio Lower Upper
 50 100
 52 32.2 22.5 41.9

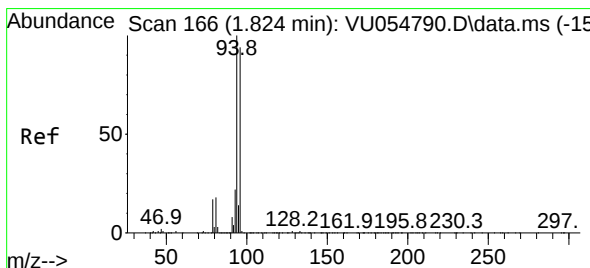
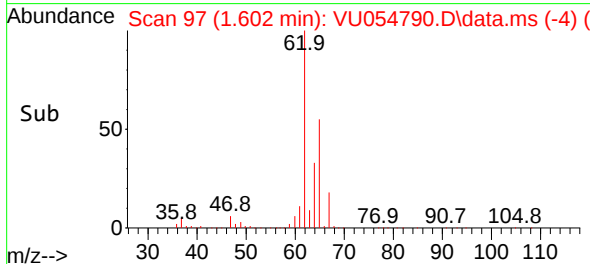
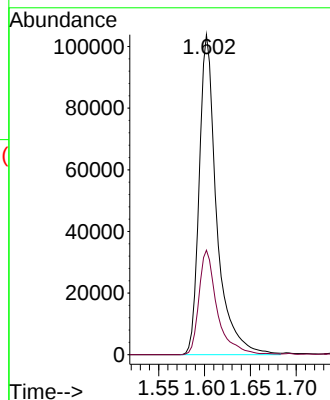
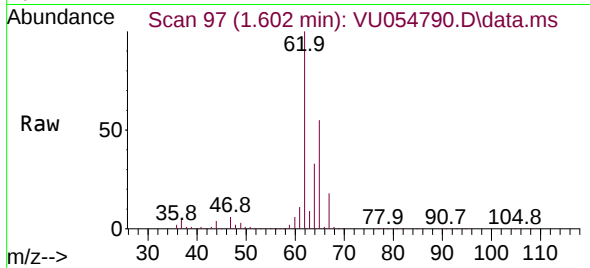




#5
 Vinyl chloride
 Concen: 51.511 ug/L
 RT: 1.602 min Scan# 97
 Delta R.T. 0.000 min
 Lab File: VU054790.D
 Acq: 17 Jul 2023 10:39

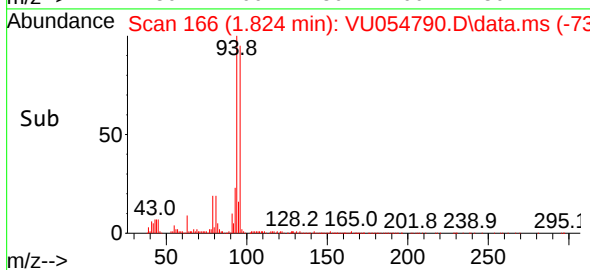
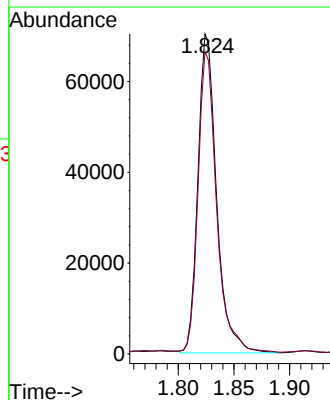
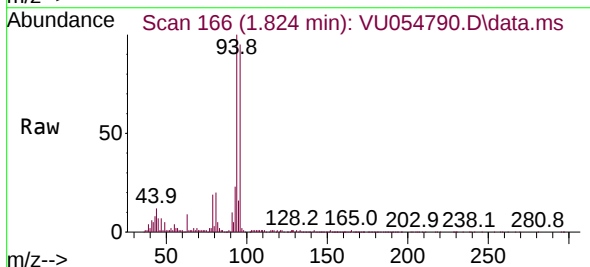
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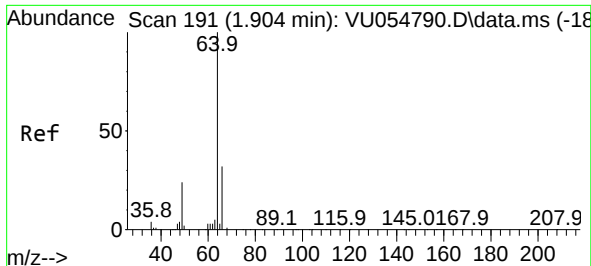
Tgt Ion: 62 Resp: 137503
 Ion Ratio Lower Upper
 62 100
 64 32.7 22.9 42.5



#6
 Bromomethane
 Concen: 50.359 ug/L
 RT: 1.824 min Scan# 166
 Delta R.T. 0.000 min
 Lab File: VU054790.D
 Acq: 17 Jul 2023 10:39

Tgt Ion: 94 Resp: 81821
 Ion Ratio Lower Upper
 94 100
 96 94.5 66.1 122.8

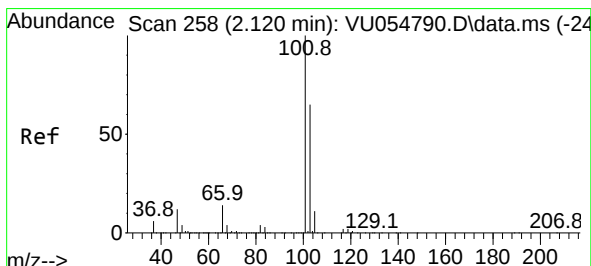
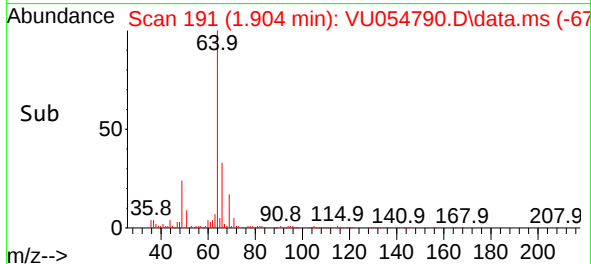
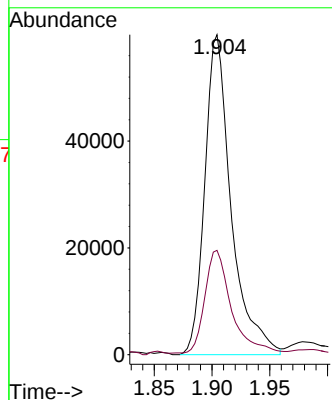
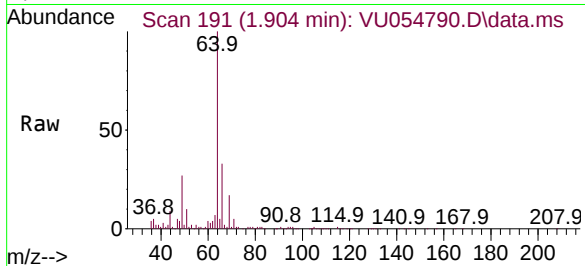




#8
Chloroethane
Concen: 51.575 ug/L
RT: 1.904 min Scan# 191
Delta R.T. 0.000 min
Lab File: VU054790.D
Acq: 17 Jul 2023 10:39

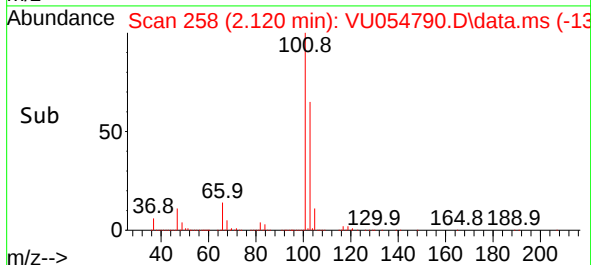
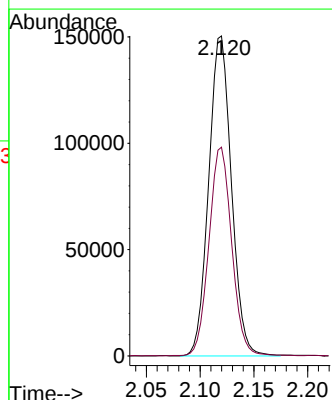
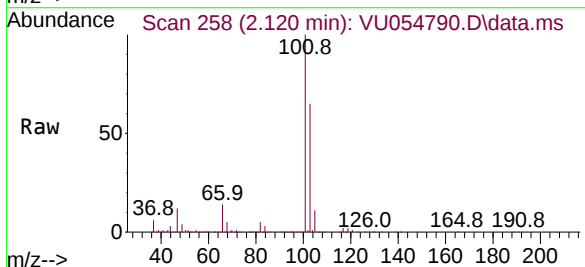
Instrument :
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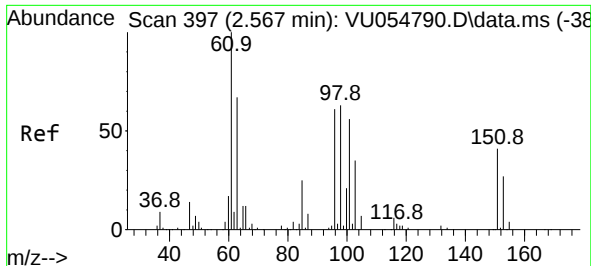
Tgt Ion: 64 Resp: 95242
Ion Ratio Lower Upper
64 100
66 32.6 22.8 42.4



#9
Trichlorofluoromethane
Concen: 51.741 ug/L
RT: 2.120 min Scan# 258
Delta R.T. 0.000 min
Lab File: VU054790.D
Acq: 17 Jul 2023 10:39

Tgt Ion: 101 Resp: 221069
Ion Ratio Lower Upper
101 100
103 65.2 52.2 78.2

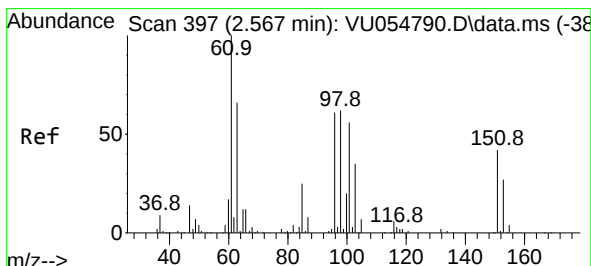
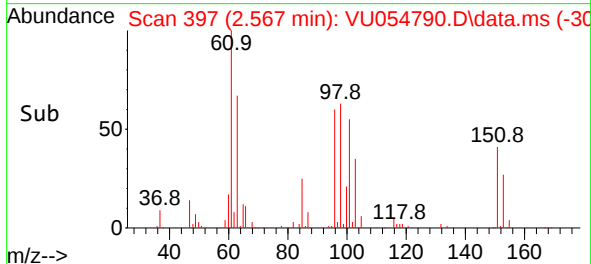
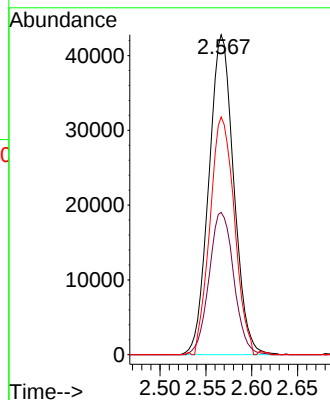
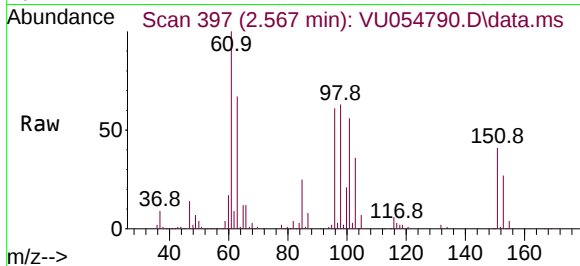




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 51.291 ug/L
RT: 2.567 min Scan# 397
Delta R.T. 0.000 min
Lab File: VU054790.D
Acq: 17 Jul 2023 10:39

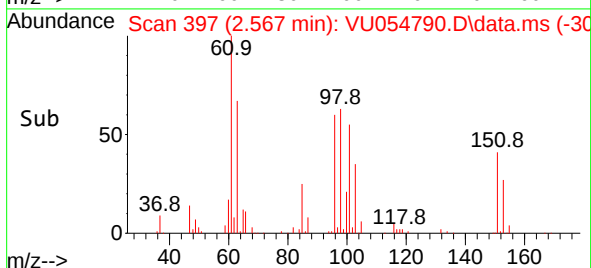
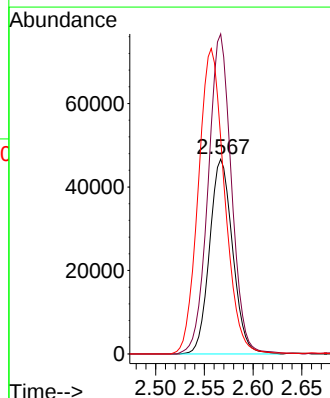
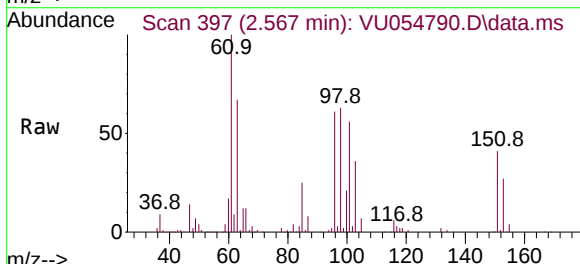
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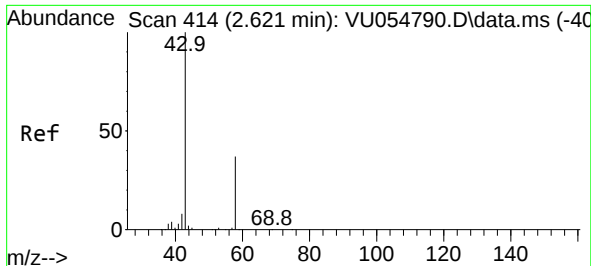
Tgt Ion:101 Resp: 80842
Ion Ratio Lower Upper
101 100
85 44.1 35.3 52.9
151 72.8 58.2 87.4



#12
1,1-Dichloroethene
Concen: 51.818 ug/L
RT: 2.567 min Scan# 397
Delta R.T. 0.000 min
Lab File: VU054790.D
Acq: 17 Jul 2023 10:39

Tgt Ion: 96 Resp: 76804
Ion Ratio Lower Upper
96 100
61 164.3 115.0 213.6
63 110.8 77.6 144.0





#13

Acetone

Concen: 96.580 ug/L

RT: 2.621 min Scan# 414

Delta R.T. 0.000 min

Lab File: VU054790.D

Acq: 17 Jul 2023 10:39

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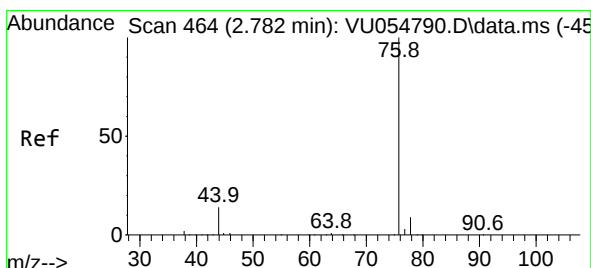
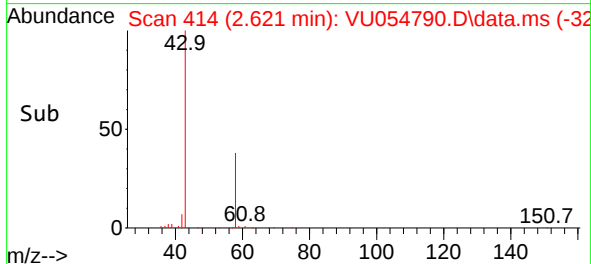
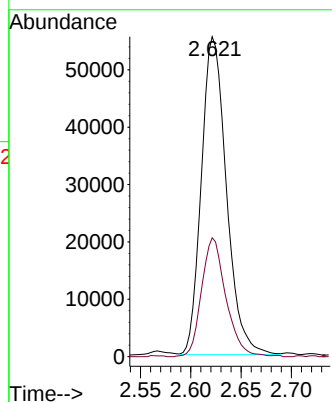
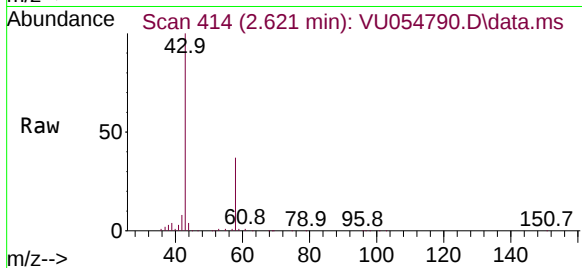
VSTD050031

Tgt Ion: 43 Resp: 96134

Ion Ratio Lower Upper

43 100

58 36.2 0.0 72.4



#14

Carbon disulfide

Concen: 50.812 ug/L

RT: 2.782 min Scan# 464

Delta R.T. 0.000 min

Lab File: VU054790.D

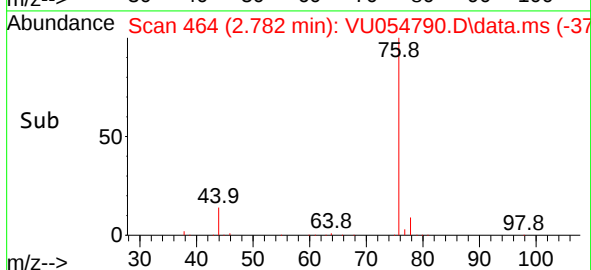
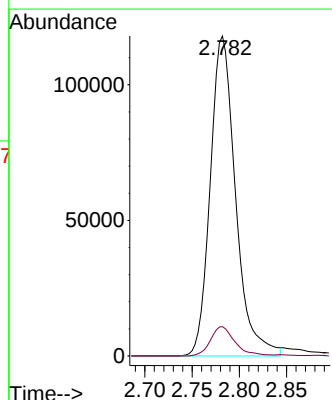
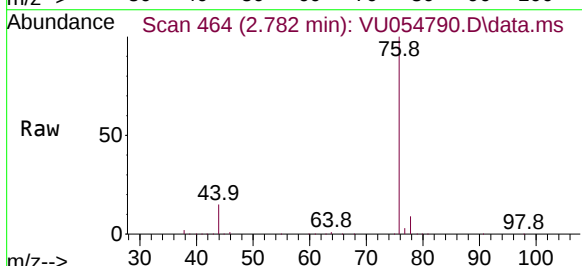
Acq: 17 Jul 2023 10:39

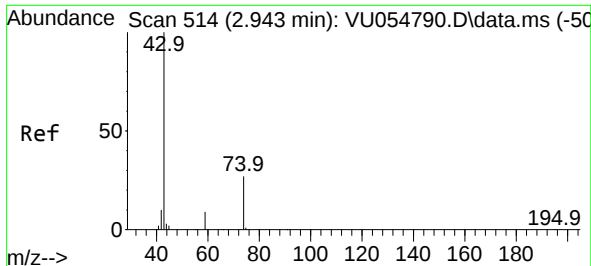
Tgt Ion: 76 Resp: 219914

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

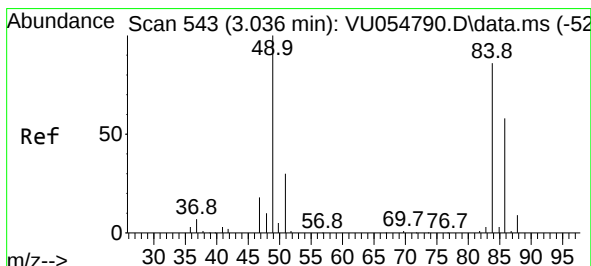
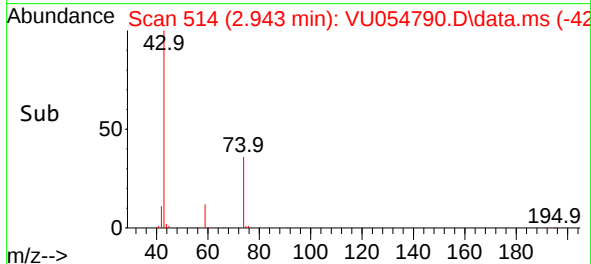
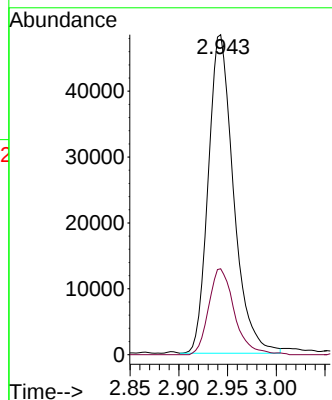
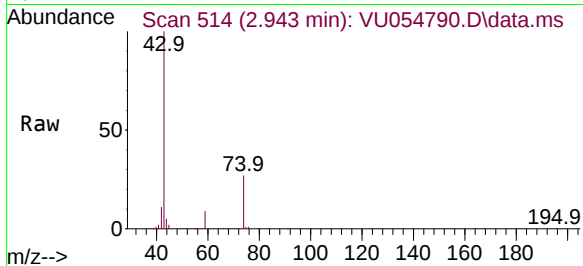




#15
Methyl Acetate
Concen: 52.504 ug/L
RT: 2.943 min Scan# 514
Delta R.T. 0.000 min
Lab File: VU054790.D
Acq: 17 Jul 2023 10:39

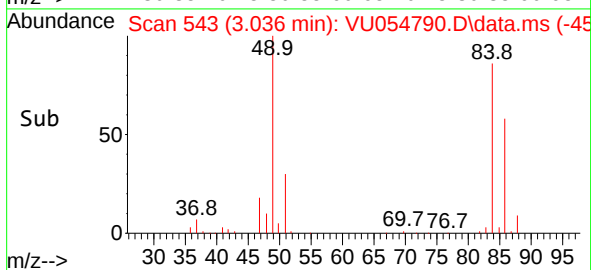
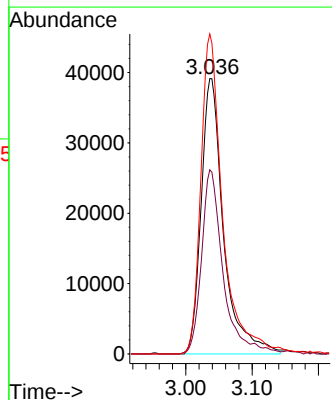
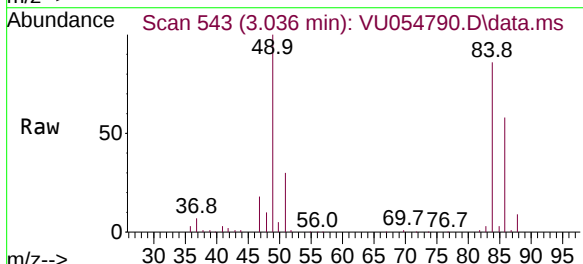
Instrument :
MSVOA_U
ClientSampleId :
VSTD050031

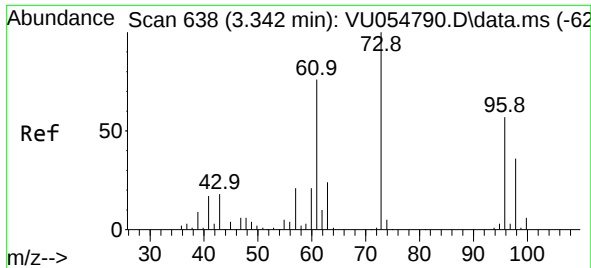
Tgt Ion: 43 Resp: 87170
Ion Ratio Lower Upper
43 100
74 27.3 21.8 32.8



#16
Methylene chloride
Concen: 51.365 ug/L
RT: 3.036 min Scan# 543
Delta R.T. 0.000 min
Lab File: VU054790.D
Acq: 17 Jul 2023 10:39

Tgt Ion: 84 Resp: 91906
Ion Ratio Lower Upper
84 100
86 66.9 46.8 87.0
49 116.2 81.3 151.1

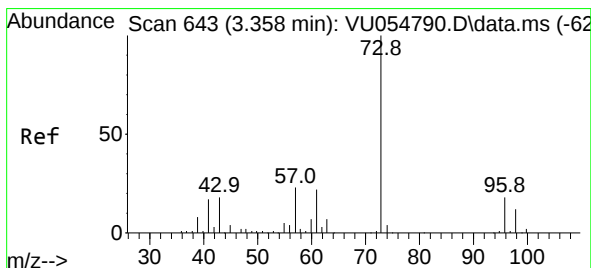
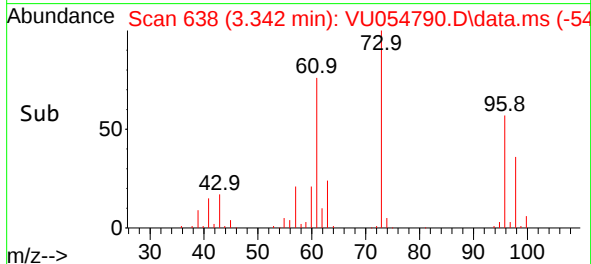
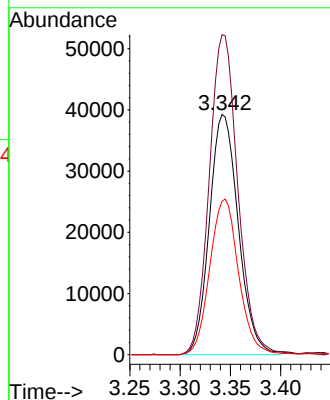
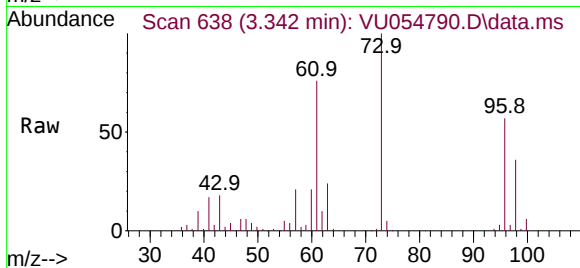




#17
 trans-1,2-Dichloroethene
 Concen: 51.197 ug/L
 RT: 3.342 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VU054790.D
 Acq: 17 Jul 2023 10:39

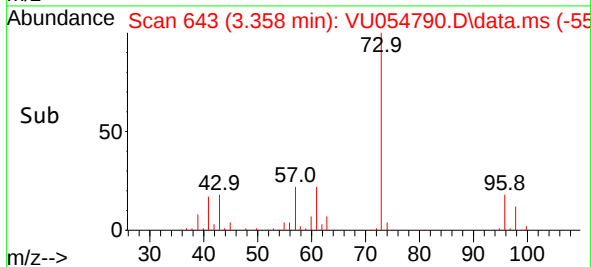
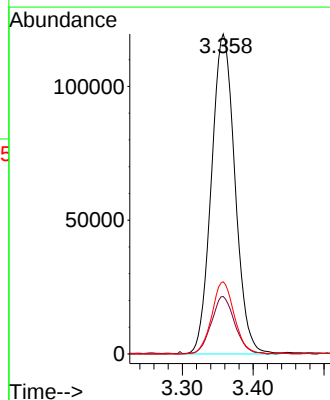
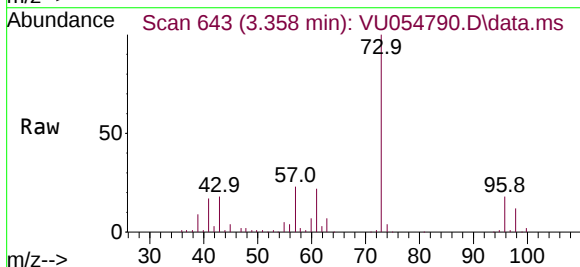
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050031

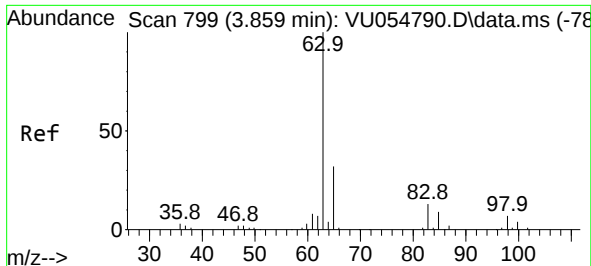
Tgt Ion: 96 Resp: 78544
 Ion Ratio Lower Upper
 96 100
 61 133.2 93.2 173.2
 98 63.8 44.7 82.9



#18
 Methyl tert-butyl Ether
 Concen: 51.950 ug/L
 RT: 3.358 min Scan# 643
 Delta R.T. 0.000 min
 Lab File: VU054790.D
 Acq: 17 Jul 2023 10:39

Tgt Ion: 73 Resp: 275823
 Ion Ratio Lower Upper
 73 100
 43 17.9 14.3 21.5
 57 21.7 17.4 26.0





#19

1,1-Dichloroethane

Concen: 52.260 ug/L

RT: 3.859 min Scan# 799

Delta R.T. 0.000 min

Lab File: VU054790.D

Acq: 17 Jul 2023 10:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD050031

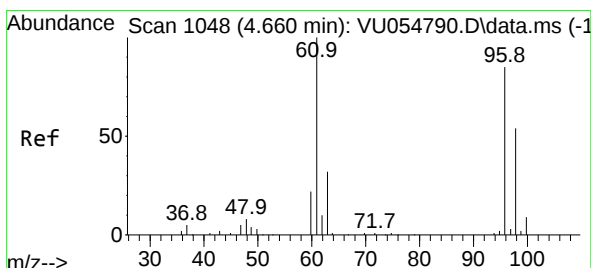
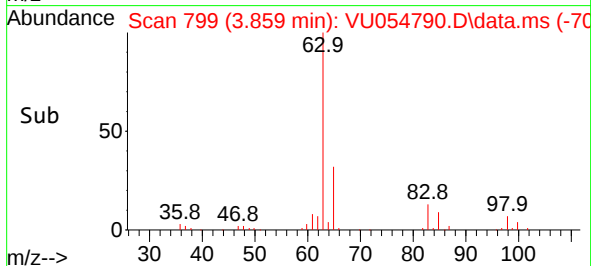
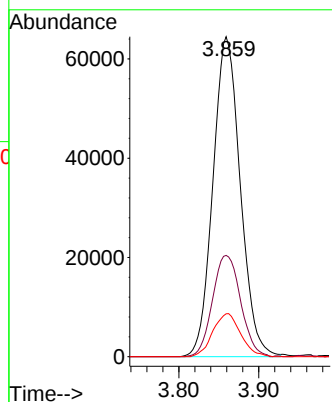
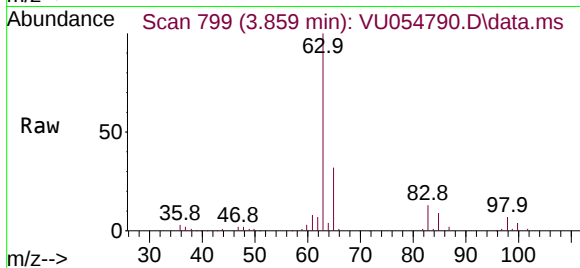
Tgt Ion: 63 Resp: 152985

Ion Ratio Lower Upper

63 100

65 31.6 22.1 41.1

83 13.4 9.4 17.4



#20

cis-1,2-Dichloroethene

Concen: 51.690 ug/L

RT: 4.660 min Scan# 1048

Delta R.T. 0.000 min

Lab File: VU054790.D

Acq: 17 Jul 2023 10:39

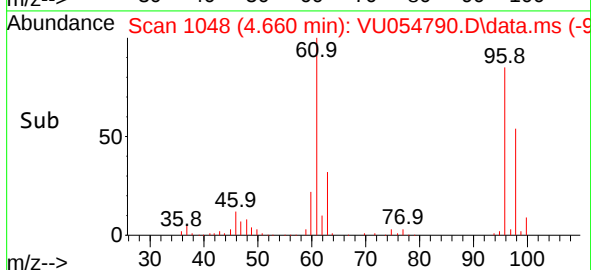
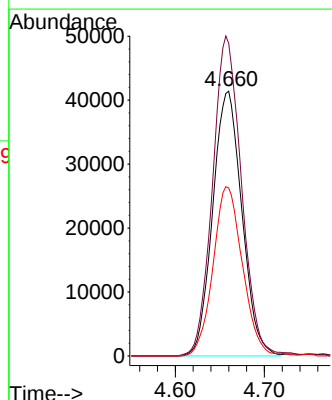
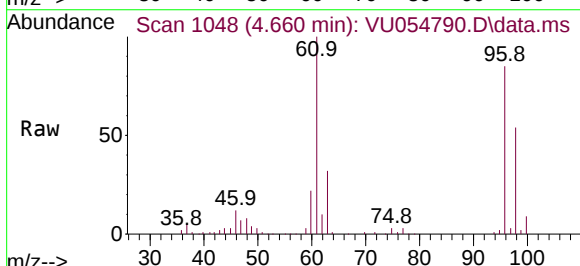
Tgt Ion: 96 Resp: 94254

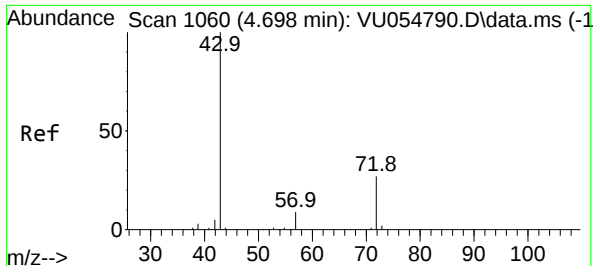
Ion Ratio Lower Upper

96 100

61 118.2 82.7 153.7

98 63.5 44.4 82.5





#22

2-Butanone

Concen: 102.864 ug/L

RT: 4.698 min Scan# 1060

Delta R.T. 0.000 min

Lab File: VU054790.D

Acq: 17 Jul 2023 10:39

Instrument :

MSVOA_U

ClientSampleId :

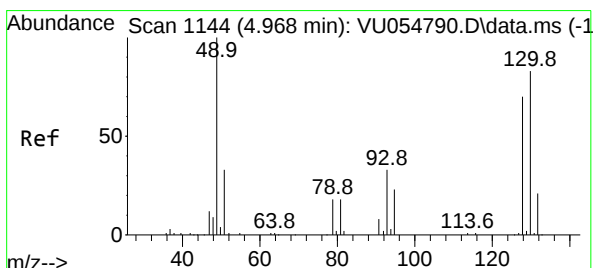
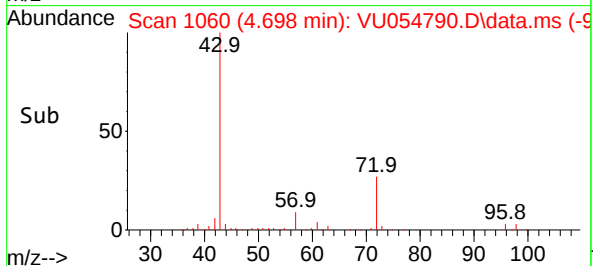
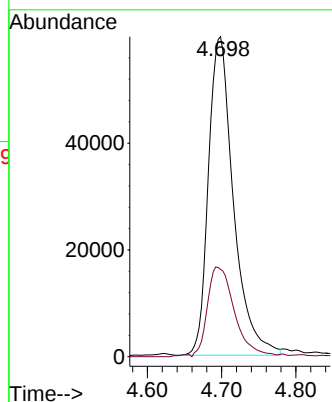
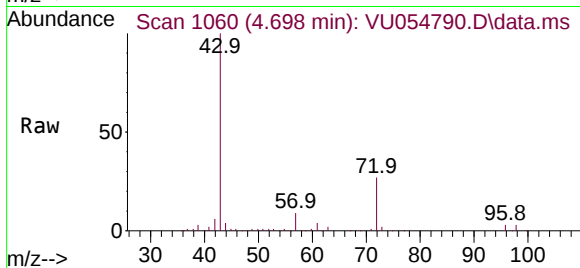
VSTD050031

Tgt Ion: 43 Resp: 139826

Ion Ratio Lower Upper

43 100

72 30.4 15.2 45.6



#23

Bromochloromethane

Concen: 51.576 ug/L

RT: 4.968 min Scan# 1144

Delta R.T. 0.000 min

Lab File: VU054790.D

Acq: 17 Jul 2023 10:39

Tgt Ion:128 Resp: 47845

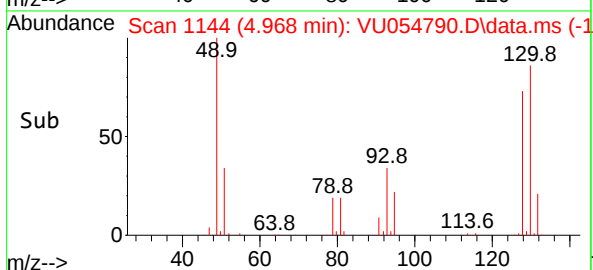
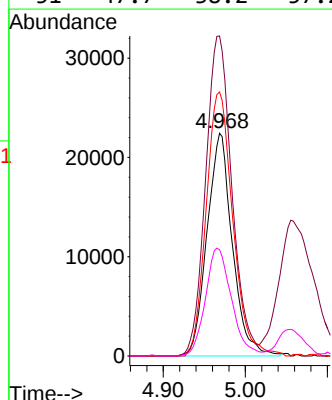
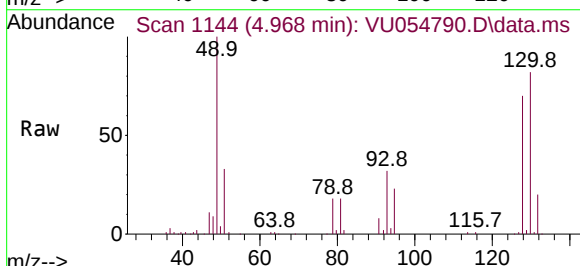
Ion Ratio Lower Upper

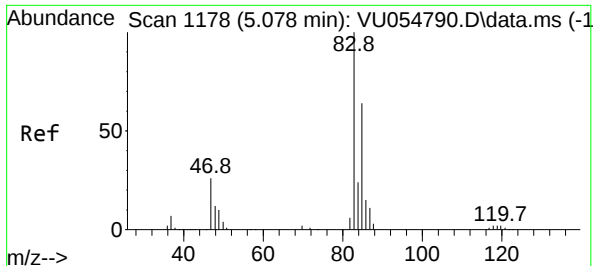
128 100

49 143.7 100.6 186.8

130 118.5 83.0 154.1

51 47.7 38.2 57.2





#25

Chloroform

Concen: 52.143 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. 0.000 min

Lab File: VU054790.D

Acq: 17 Jul 2023 10:39

Instrument :

MSVOA_U

ClientSampleId :

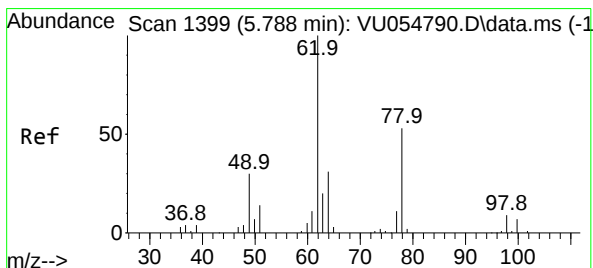
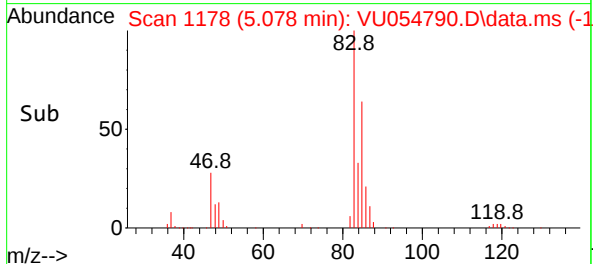
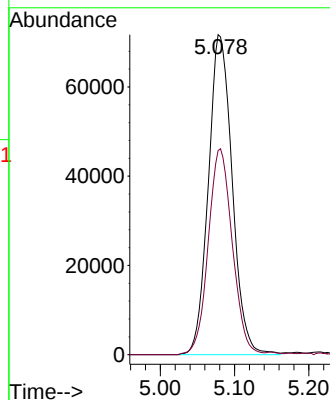
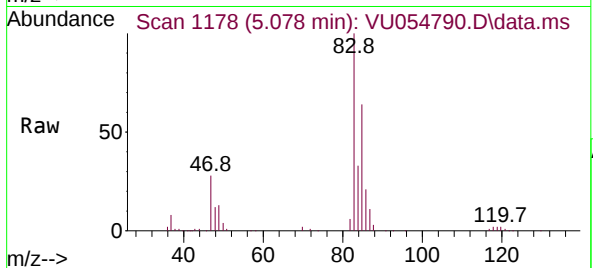
VSTD050031

Tgt Ion: 83 Resp: 160067

Ion Ratio Lower Upper

83 100

85 63.8 44.7 82.9



#27

1,2-Dichloroethane

Concen: 51.588 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. 0.000 min

Lab File: VU054790.D

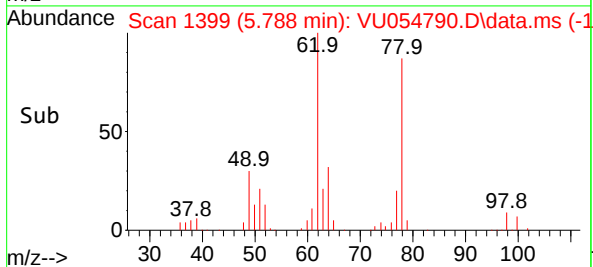
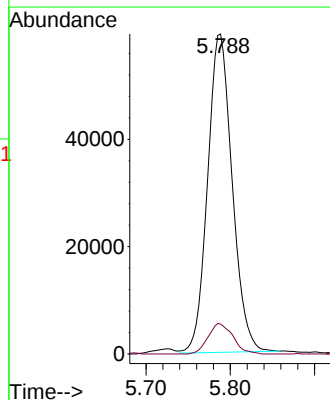
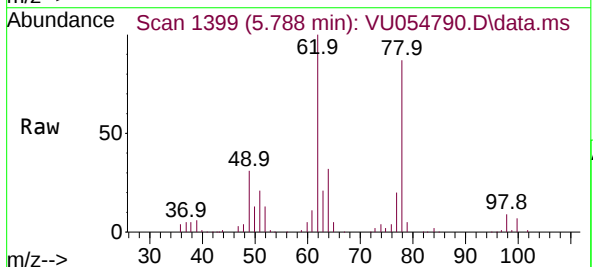
Acq: 17 Jul 2023 10:39

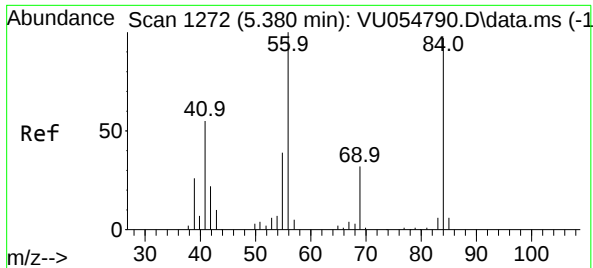
Tgt Ion: 62 Resp: 120264

Ion Ratio Lower Upper

62 100

98 9.4 7.5 11.3

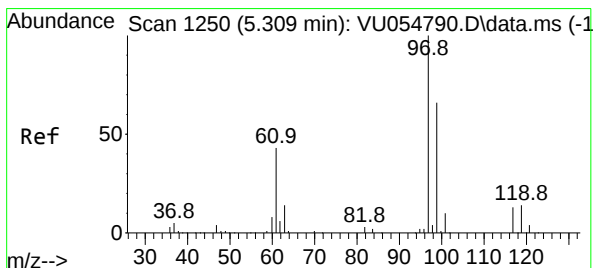
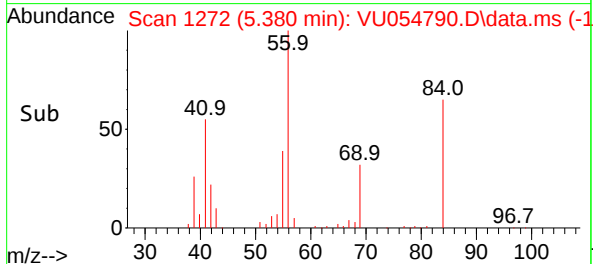
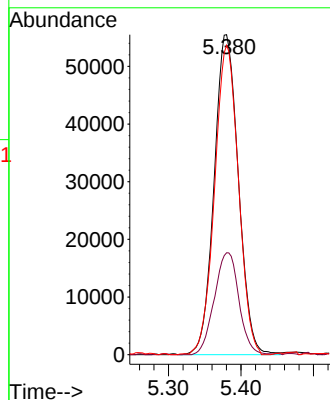
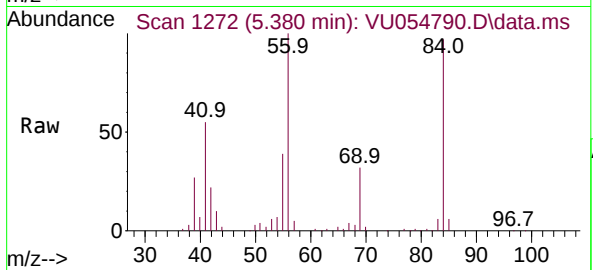




#29
Cyclohexane
Concen: 50.205 ug/L
RT: 5.380 min Scan# 1272
Delta R.T. 0.000 min
Lab File: VU054790.D
Acq: 17 Jul 2023 10:39

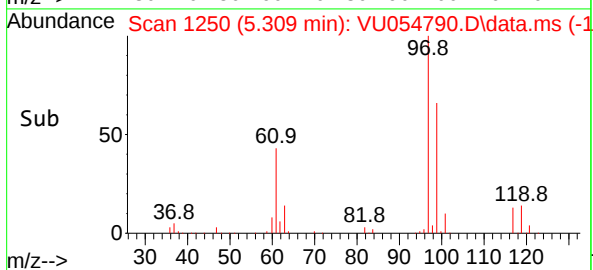
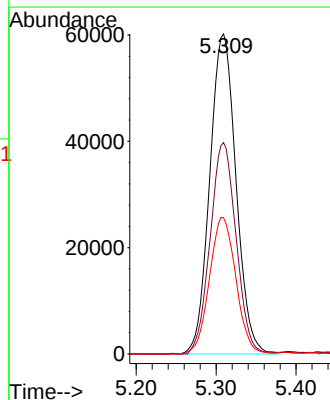
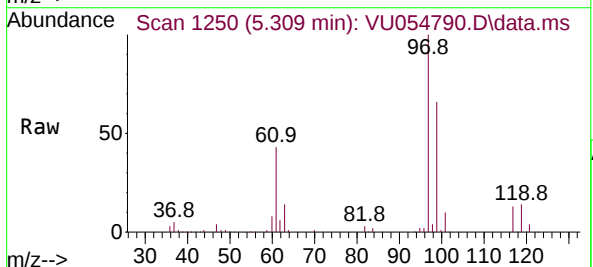
Instrument :
MSVOA_U
ClientSampleId :
VSTD050031

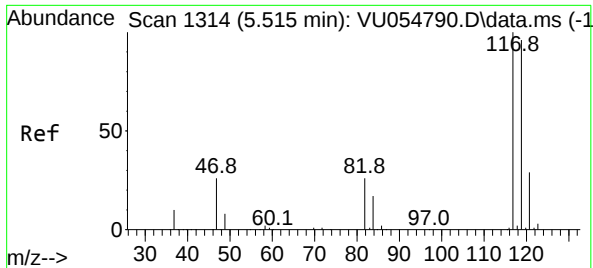
Tgt Ion: 56 Resp: 129005
Ion Ratio Lower Upper
56 100
69 32.3 25.8 38.8
84 94.9 75.9 113.9



#30
1,1,1-Trichloroethane
Concen: 52.967 ug/L
RT: 5.309 min Scan# 1250
Delta R.T. 0.000 min
Lab File: VU054790.D
Acq: 17 Jul 2023 10:39

Tgt Ion: 97 Resp: 137363
Ion Ratio Lower Upper
97 100
99 65.0 52.0 78.0
61 42.9 34.3 51.5

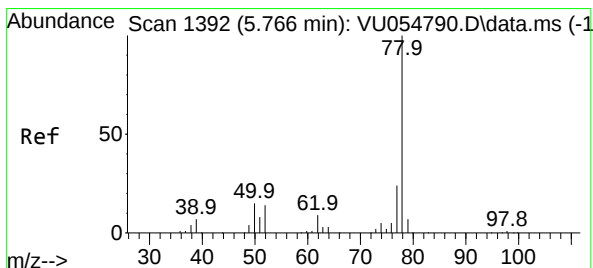
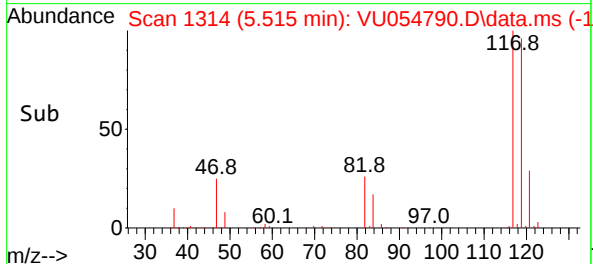
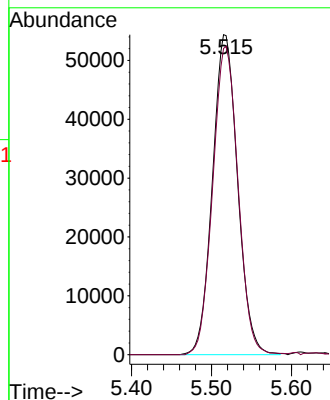
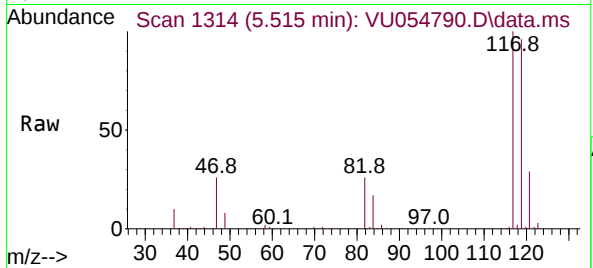




#31
Carbon tetrachloride
Concen: 53.019 ug/L
RT: 5.515 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU054790.D
Acq: 17 Jul 2023 10:39

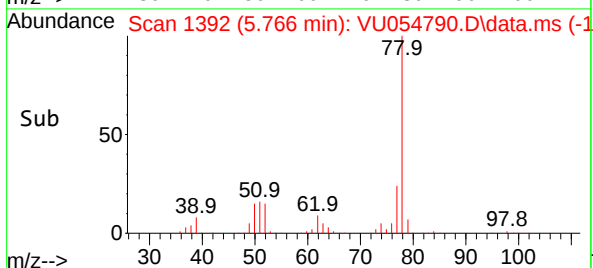
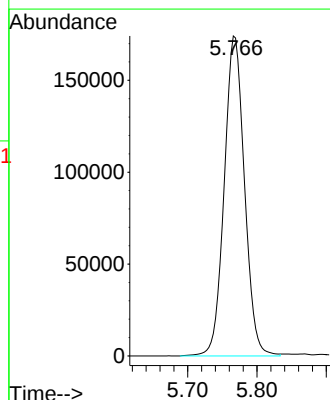
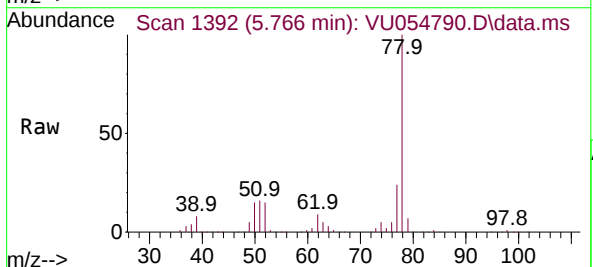
Instrument :
MSVOA_U
ClientSampleId :
VSTD050031

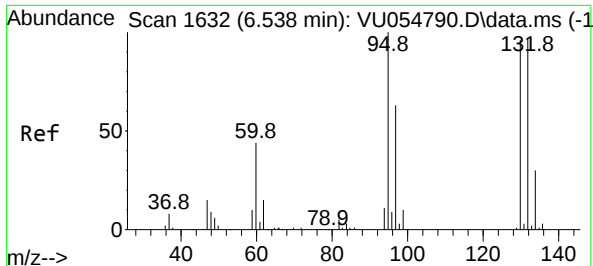
Tgt Ion:117 Resp: 118740
Ion Ratio Lower Upper
117 100
119 96.8 77.4 116.2



#33
Benzene
Concen: 52.953 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VU054790.D
Acq: 17 Jul 2023 10:39

Tgt Ion: 78 Resp: 354542





#34

Trichloroethene

Concen: 52.774 ug/L

RT: 6.538 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU054790.D

Acq: 17 Jul 2023 10:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD050031

Tgt Ion: 95 Resp: 89942

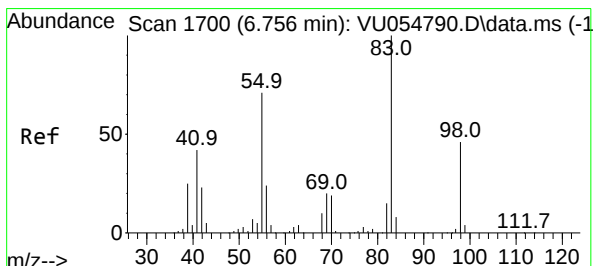
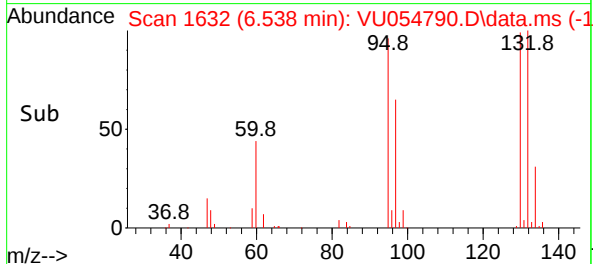
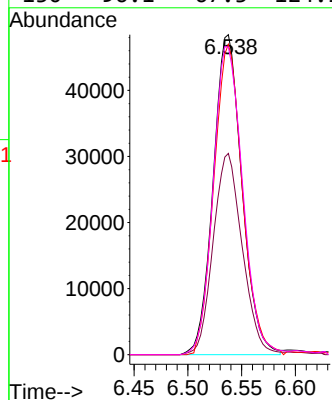
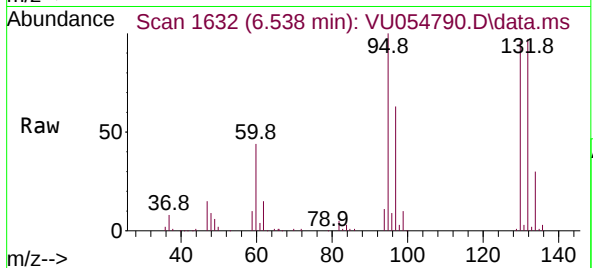
Ion Ratio Lower Upper

95 100

97 62.9 44.0 81.8

132 97.0 67.9 126.1

130 96.1 67.3 124.9



#35

Methylcyclohexane

Concen: 50.878 ug/L

RT: 6.756 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VU054790.D

Acq: 17 Jul 2023 10:39

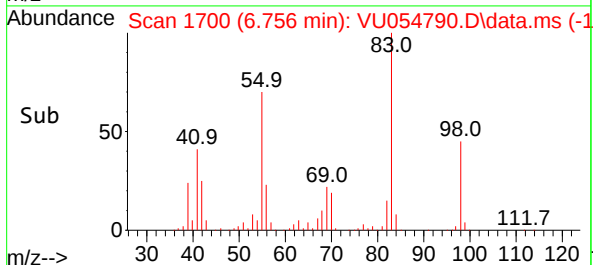
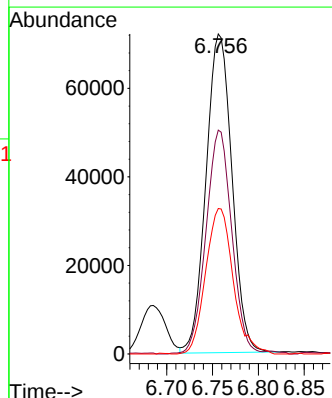
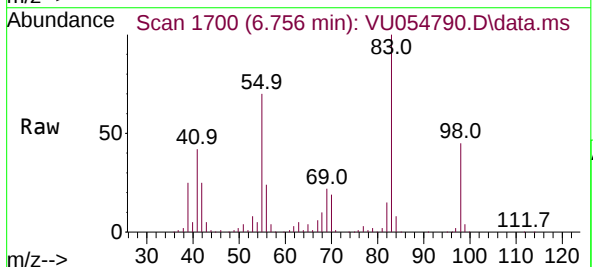
Tgt Ion: 83 Resp: 141708

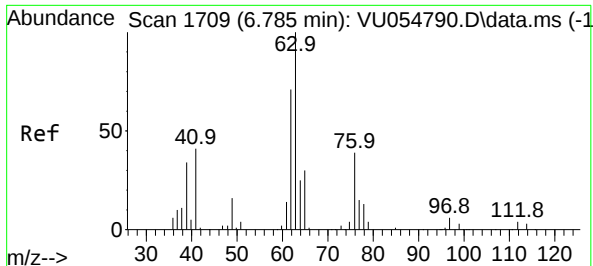
Ion Ratio Lower Upper

83 100

55 69.8 55.8 83.8

98 48.3 38.6 58.0

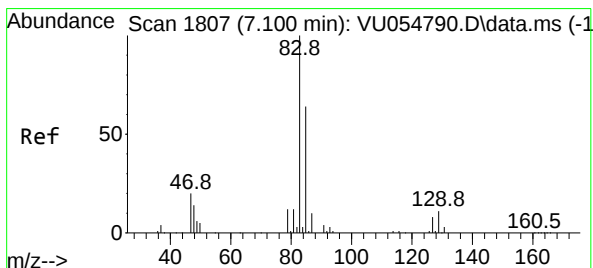
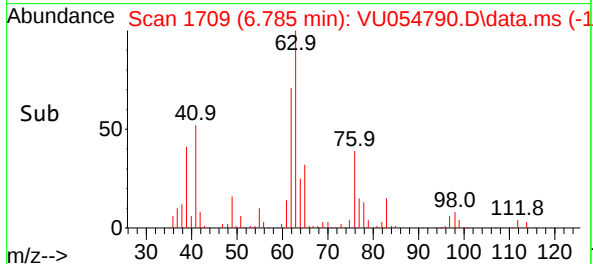
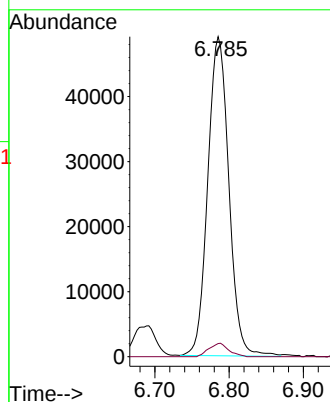
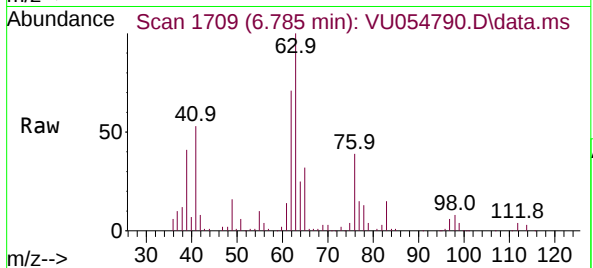




#37
1,2-Dichloropropane
Concen: 52.456 ug/L
RT: 6.785 min Scan# 1709
Delta R.T. 0.000 min
Lab File: VU054790.D
Acq: 17 Jul 2023 10:39

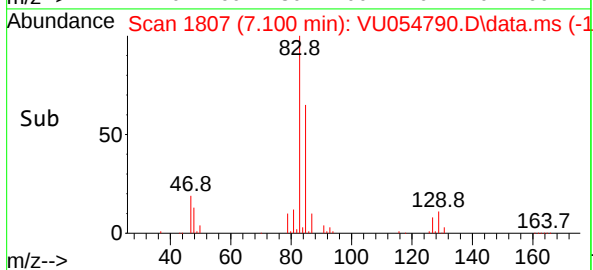
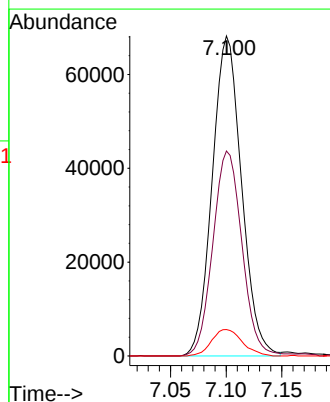
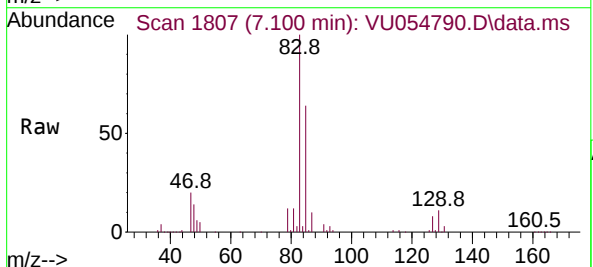
Instrument :
MSVOA_U
ClientSampleId :
VSTD050031

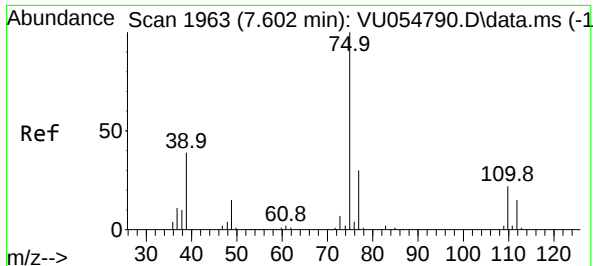
Tgt Ion: 63 Resp: 96592
Ion Ratio Lower Upper
63 100
112 3.9 3.1 4.7



#38
Bromodichloromethane
Concen: 52.831 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VU054790.D
Acq: 17 Jul 2023 10:39

Tgt Ion: 83 Resp: 124809
Ion Ratio Lower Upper
83 100
85 64.1 44.9 83.3
127 9.0 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 51.831 ug/L

RT: 7.602 min Scan# 1963

Delta R.T. 0.000 min

Lab File: VU054790.D

Acq: 17 Jul 2023 10:39

Instrument :

MSVOA_U

ClientSampleId :

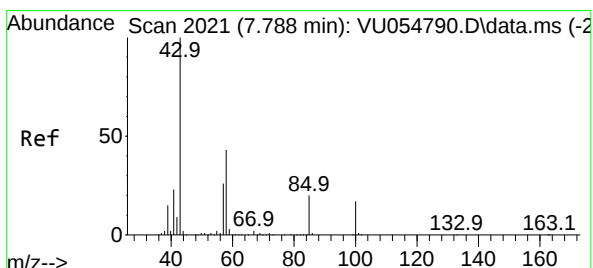
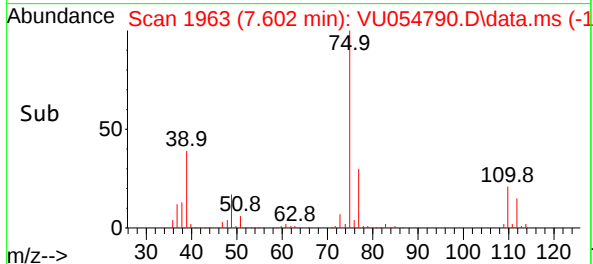
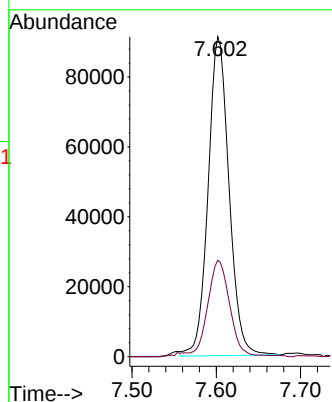
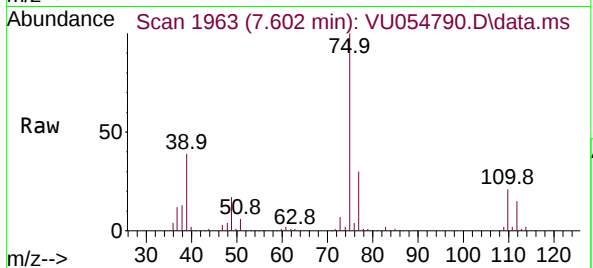
VSTD050031

Tgt Ion: 75 Resp: 157411

Ion Ratio Lower Upper

75 100

77 30.1 21.1 39.1



#40

4-Methyl-2-pentanone

Concen: 105.049 ug/L

RT: 7.788 min Scan# 2021

Delta R.T. 0.000 min

Lab File: VU054790.D

Acq: 17 Jul 2023 10:39

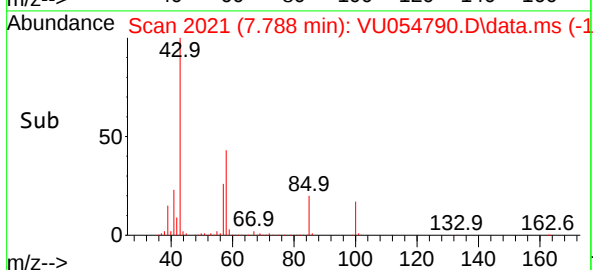
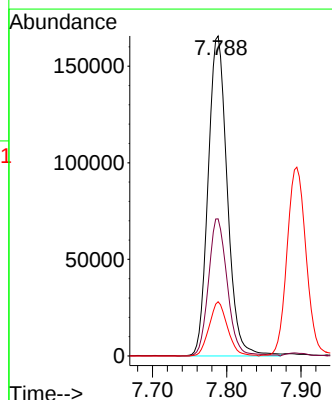
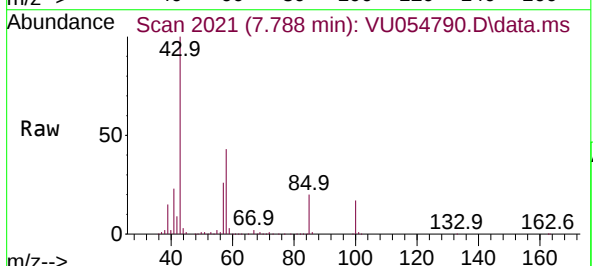
Tgt Ion: 43 Resp: 296192

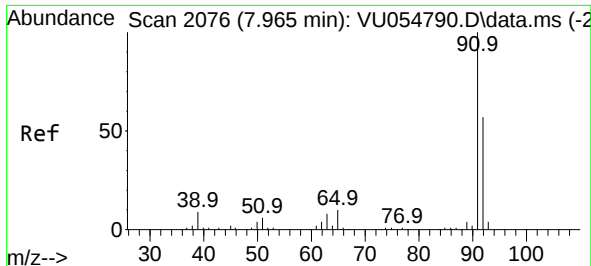
Ion Ratio Lower Upper

43 100

58 42.1 33.7 50.5

100 16.2 13.0 19.4





#42

Toluene

Concen: 52.647 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU054790.D

Acq: 17 Jul 2023 10:39

Instrument :

MSVOA_U

ClientSampleId :

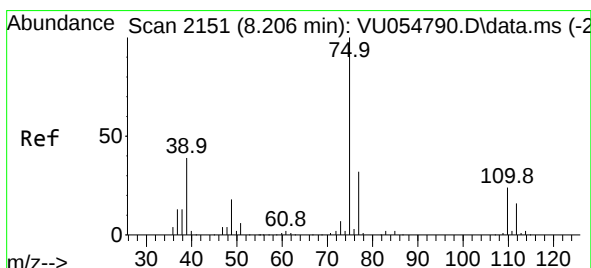
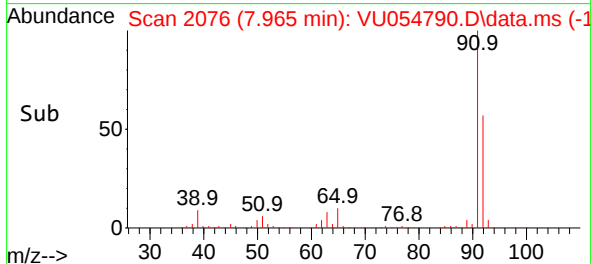
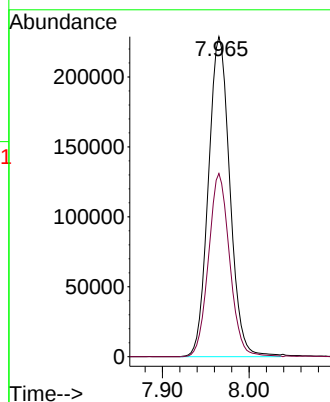
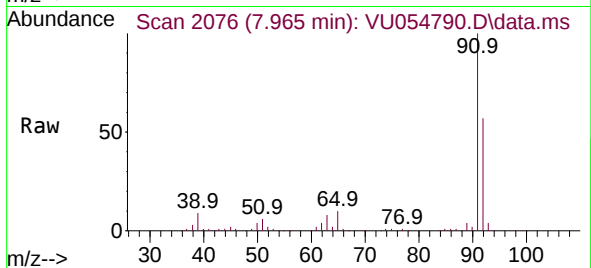
VSTD050031

Tgt Ion: 91 Resp: 394436

Ion Ratio Lower Upper

91 100

92 57.3 40.1 74.5



#44

trans-1,3-Dichloropropene

Concen: 51.775 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU054790.D

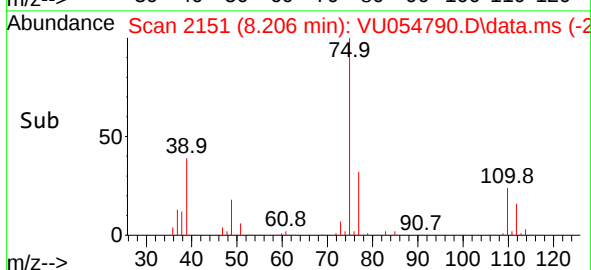
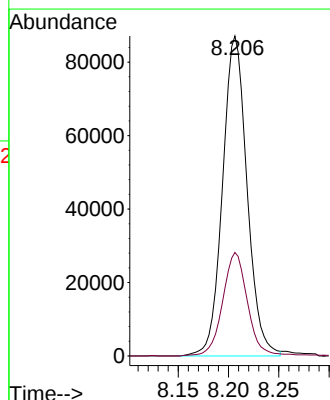
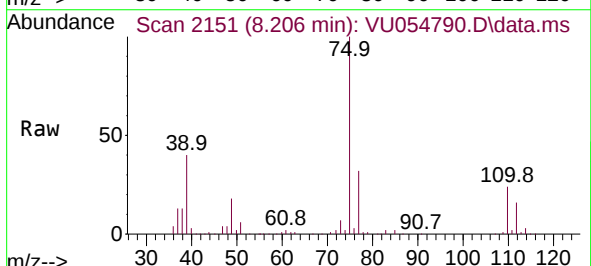
Acq: 17 Jul 2023 10:39

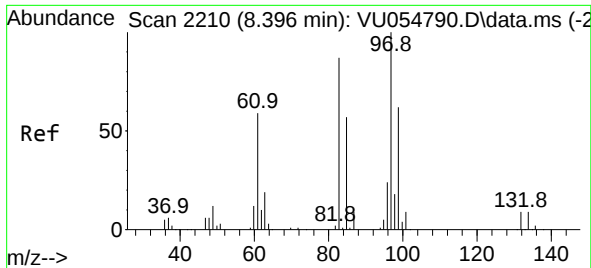
Tgt Ion: 75 Resp: 147730

Ion Ratio Lower Upper

75 100

77 32.4 22.7 42.1

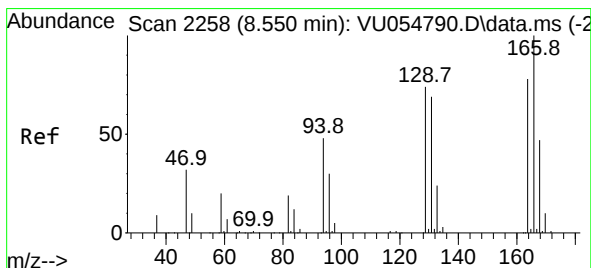
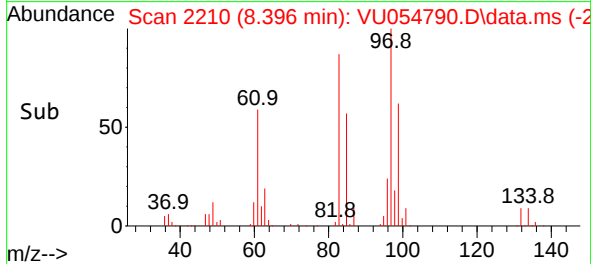
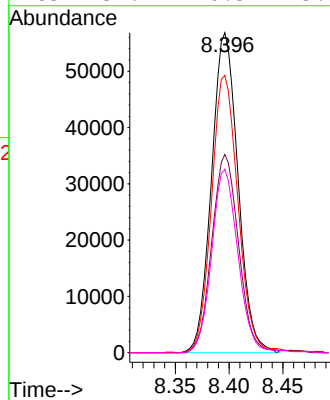
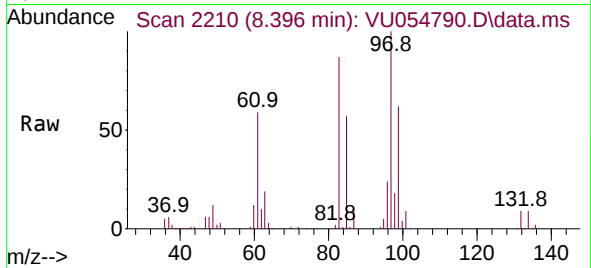




#45
1,1,2-Trichloroethane
Concen: 51.971 ug/L
RT: 8.396 min Scan# 2210
Delta R.T. 0.000 min
Lab File: VU054790.D
Acq: 17 Jul 2023 10:39

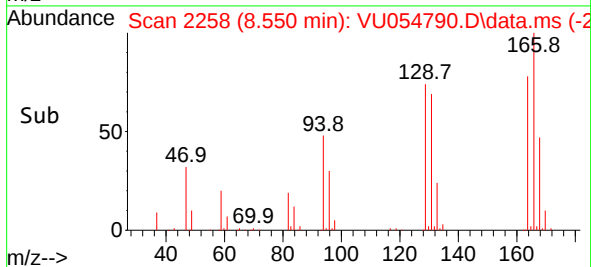
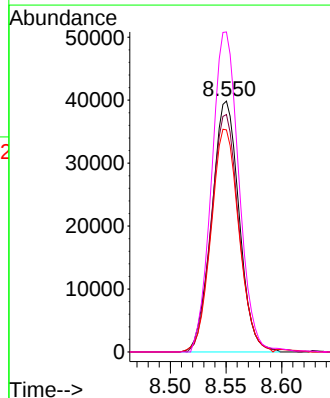
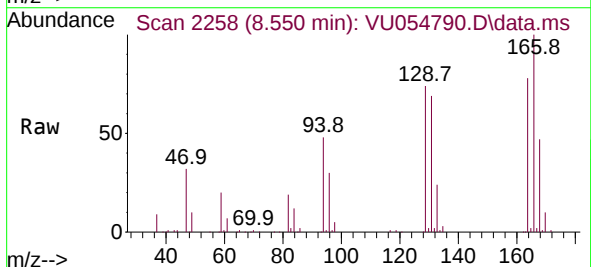
Instrument :
MSVOA_U
ClientSampleId :
VSTD050031

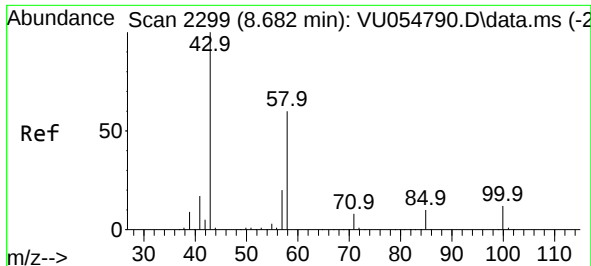
Tgt Ion:	97	Resp:	97569
Ion	Ratio	Lower	Upper
97	100		
99	61.9	43.3	80.5
83	86.6	60.6	112.6
85	57.9	40.5	75.3



#46
Tetrachloroethene
Concen: 52.359 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VU054790.D
Acq: 17 Jul 2023 10:39

Tgt Ion:	164	Resp:	68413
Ion	Ratio	Lower	Upper
164	100		
129	94.6	66.2	123.0
131	88.5	61.9	115.1
166	127.5	89.2	165.8

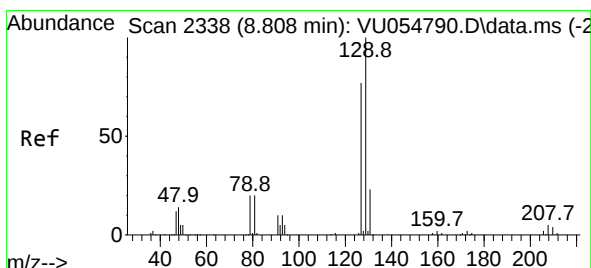
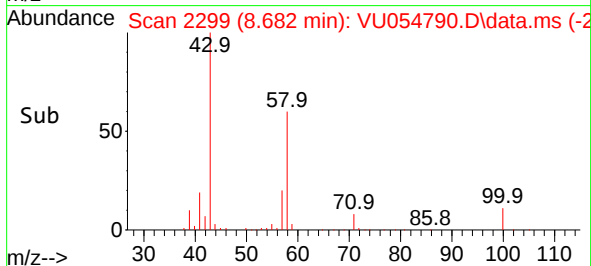
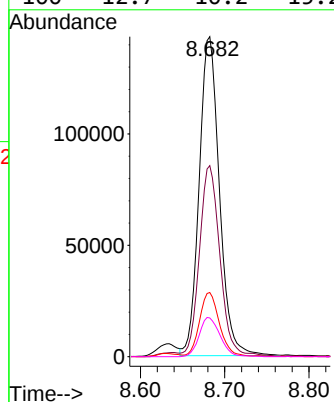
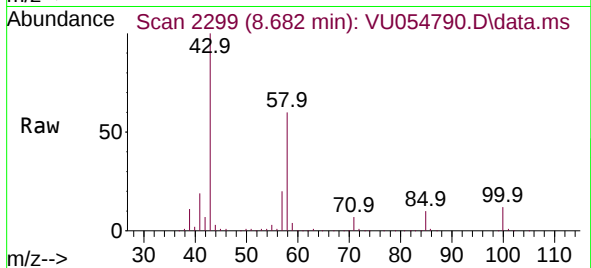




#48
2-Hexanone
Concen: 105.392 ug/L
RT: 8.682 min Scan# 2299
Delta R.T. 0.000 min
Lab File: VU054790.D
Acq: 17 Jul 2023 10:39

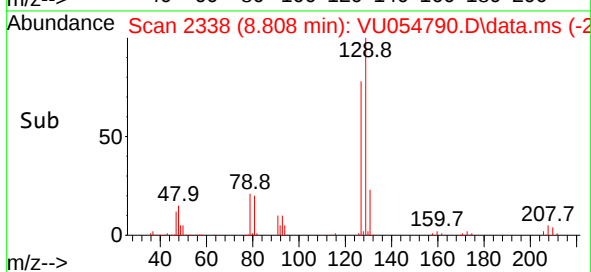
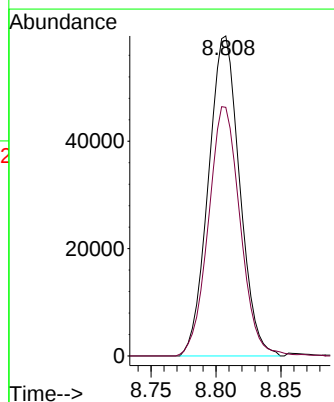
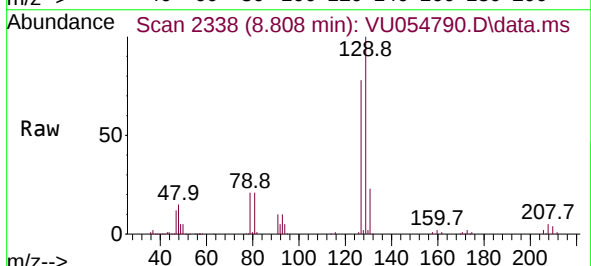
Instrument :
MSVOA_U
ClientSampleId :
VSTD050031

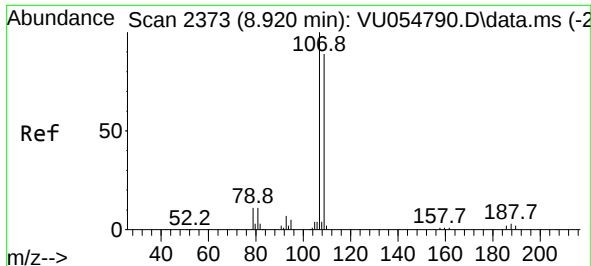
Tgt Ion:	43	Resp:	240165
Ion	Ratio	Lower	Upper
43	100		
58	58.1	46.5	69.7
57	19.3	15.4	23.2
100	12.7	10.2	15.2



#49
Dibromochloromethane
Concen: 51.542 ug/L
RT: 8.808 min Scan# 2338
Delta R.T. 0.000 min
Lab File: VU054790.D
Acq: 17 Jul 2023 10:39

Tgt Ion:	129	Resp:	99668
Ion	Ratio	Lower	Upper
129	100		
127	77.7	54.4	101.0





#50

1,2-Dibromoethane

Concen: 52.626 ug/L

RT: 8.920 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU054790.D

Acq: 17 Jul 2023 10:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD050031

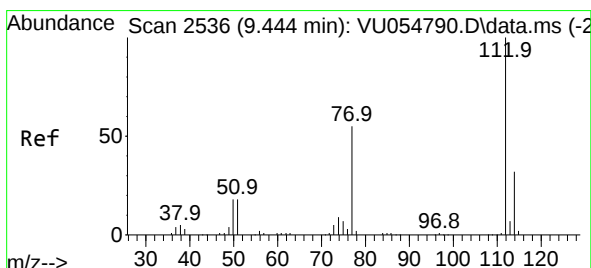
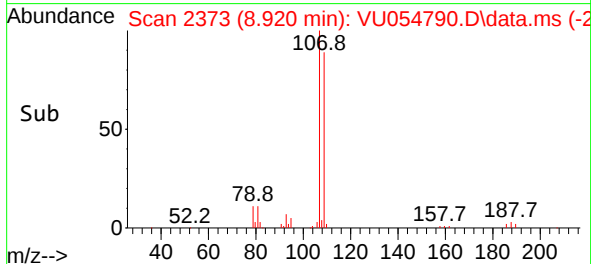
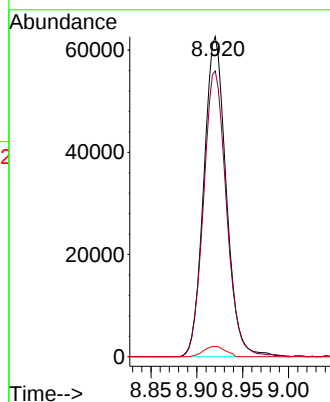
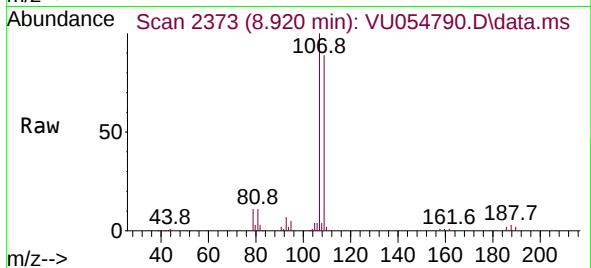
Tgt Ion:107 Resp: 106343

Ion Ratio Lower Upper

107 100

109 89.3 62.5 116.1

188 3.3 2.6 4.0



#51

Chlorobenzene

Concen: 52.602 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. 0.000 min

Lab File: VU054790.D

Acq: 17 Jul 2023 10:39

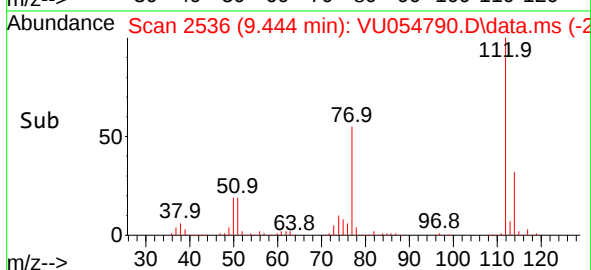
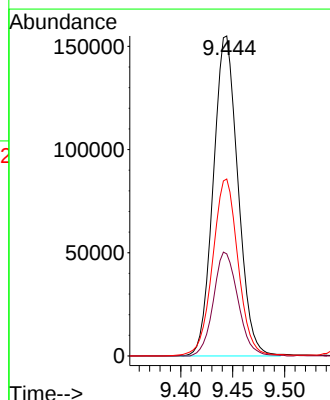
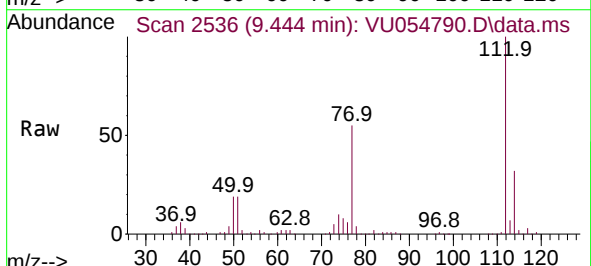
Tgt Ion:112 Resp: 256387

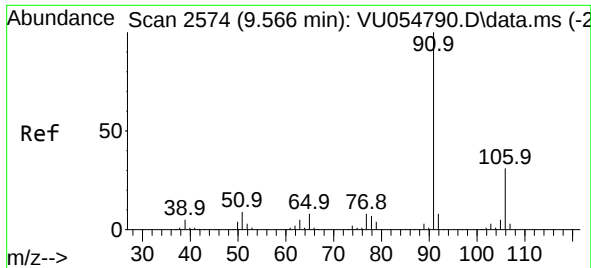
Ion Ratio Lower Upper

112 100

114 31.9 22.3 41.5

77 55.3 44.2 66.4

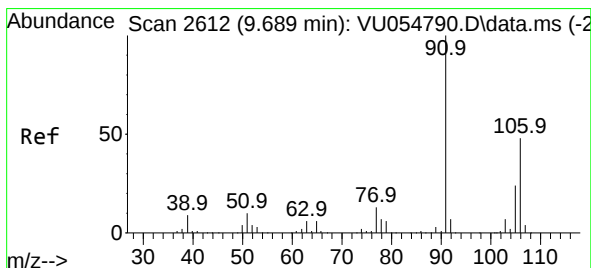
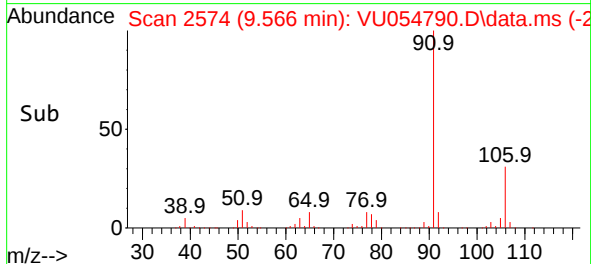
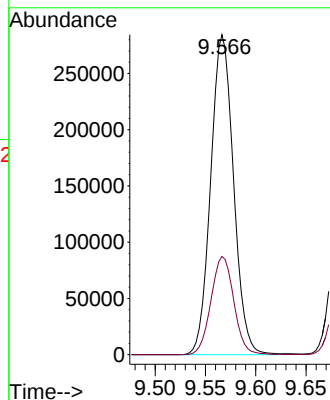
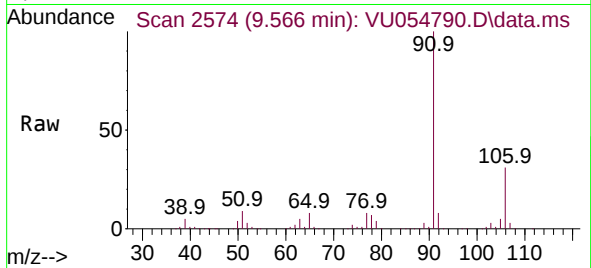




#52
Ethylbenzene
Concen: 51.831 ug/L
RT: 9.566 min Scan# 2574
Delta R.T. 0.000 min
Lab File: VU054790.D
Acq: 17 Jul 2023 10:39

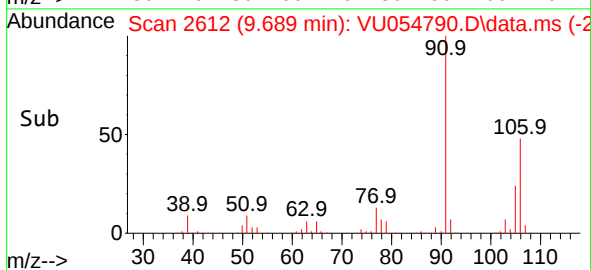
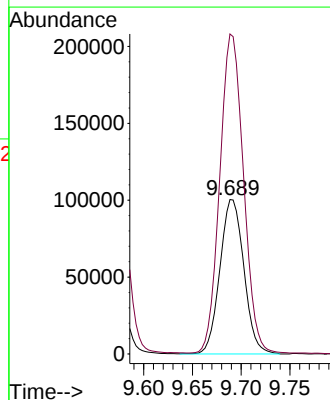
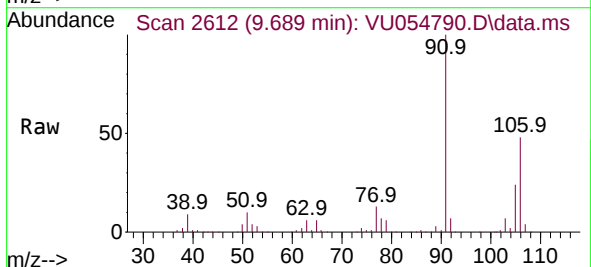
Instrument :
MSVOA_U
ClientSampleId :
VSTD050031

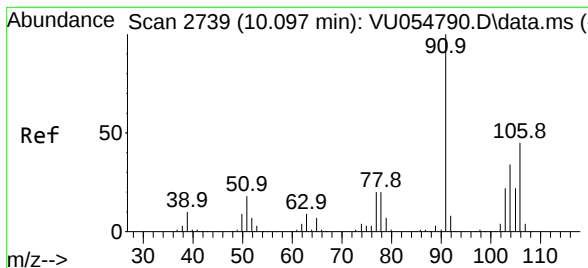
Tgt Ion: 91 Resp: 448959
Ion Ratio Lower Upper
91 100
106 33.6 23.5 43.7



#53
m,p-Xylene
Concen: 52.108 ug/L
RT: 9.689 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU054790.D
Acq: 17 Jul 2023 10:39

Tgt Ion:106 Resp: 171847
Ion Ratio Lower Upper
106 100
91 190.5 133.3 247.7





#54

o-Xylene

Concen: 51.710 ug/L

RT: 10.097 min Scan# 2739

Delta R.T. 0.000 min

Lab File: VU054790.D

Acq: 17 Jul 2023 10:39

Instrument :

MSVOA_U

ClientSampleId :

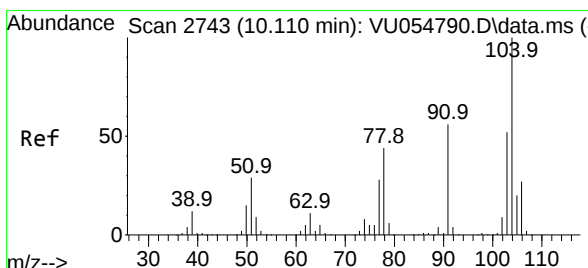
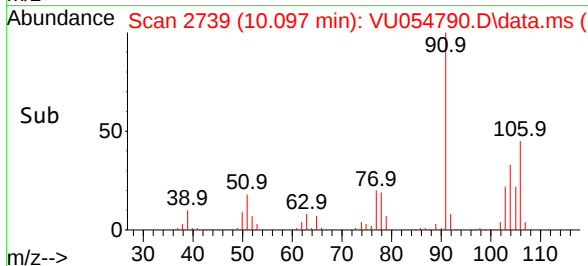
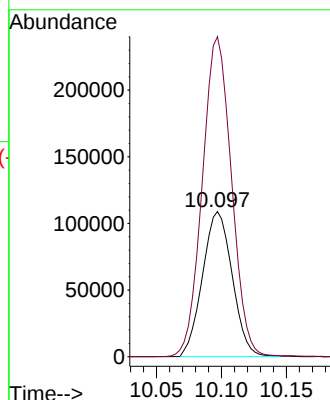
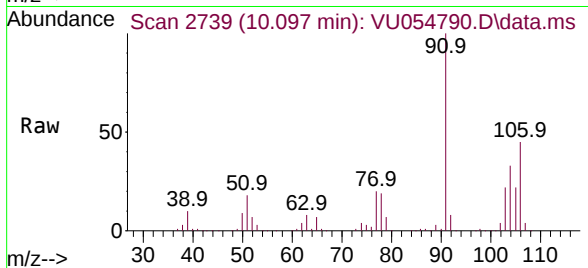
VSTD050031

Tgt Ion:106 Resp: 173242

Ion Ratio Lower Upper

106 100

91 202.9 142.0 263.8



#55

Styrene

Concen: 52.286 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. 0.000 min

Lab File: VU054790.D

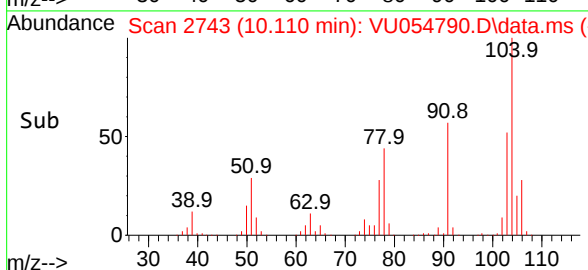
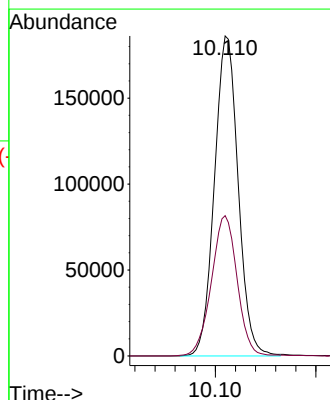
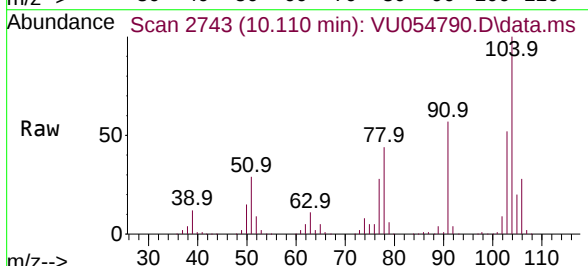
Acq: 17 Jul 2023 10:39

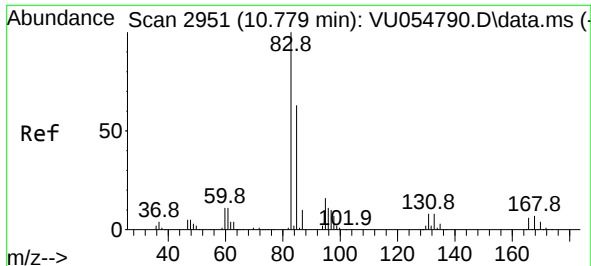
Tgt Ion:104 Resp: 305086

Ion Ratio Lower Upper

104 100

78 43.9 30.7 57.1

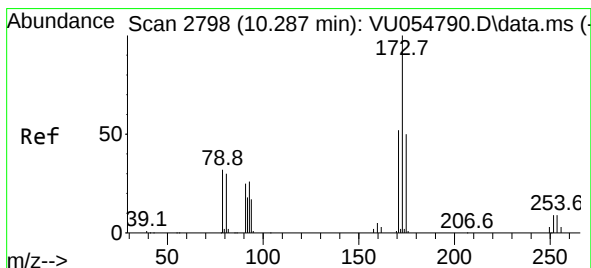
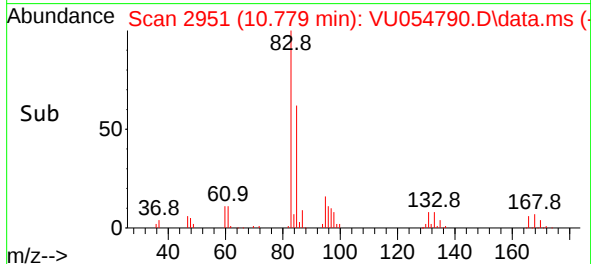
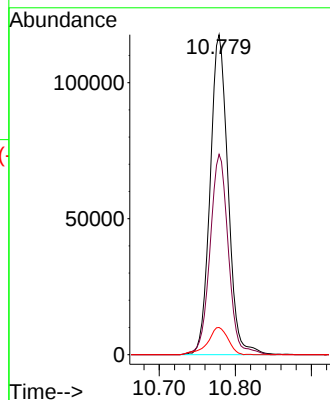
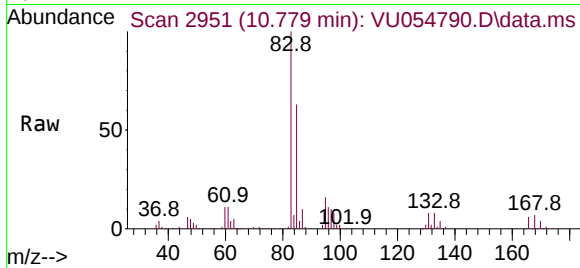




#57
1,1,2,2-Tetrachloroethane
Concen: 51.808 ug/L
RT: 10.779 min Scan# 2951
Delta R.T. 0.000 min
Lab File: VU054790.D
Acq: 17 Jul 2023 10:39

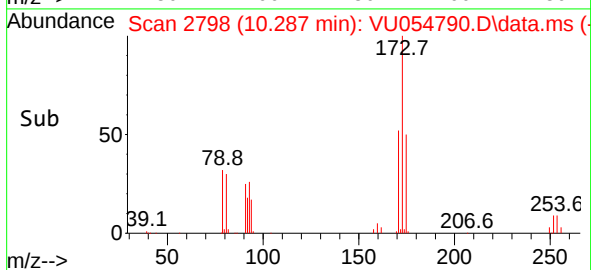
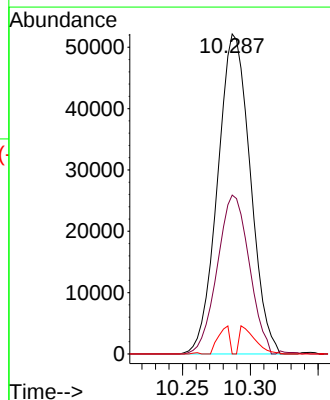
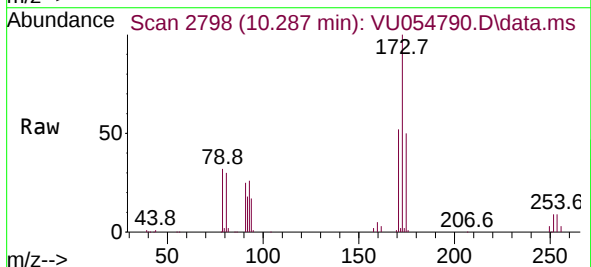
Instrument :
MSVOA_U
ClientSampleId :
VSTD050031

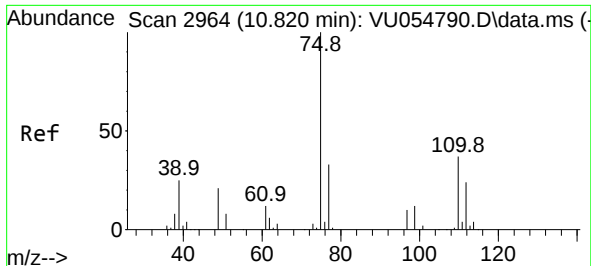
Tgt Ion: 83 Resp: 192025
Ion Ratio Lower Upper
83 100
85 62.6 43.8 81.4
131 10.9 8.7 13.1



#59
Bromoform
Concen: 52.022 ug/L
RT: 10.287 min Scan# 2798
Delta R.T. 0.000 min
Lab File: VU054790.D
Acq: 17 Jul 2023 10:39

Tgt Ion:173 Resp: 87325
Ion Ratio Lower Upper
173 100
175 48.5 38.8 58.2
254 3.0 2.4 3.6

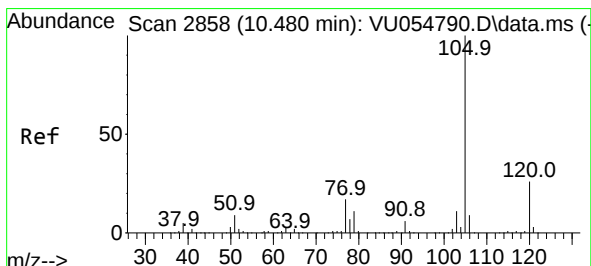
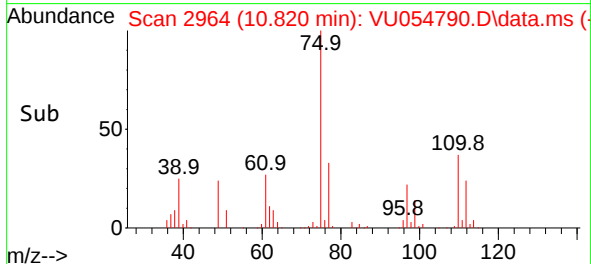
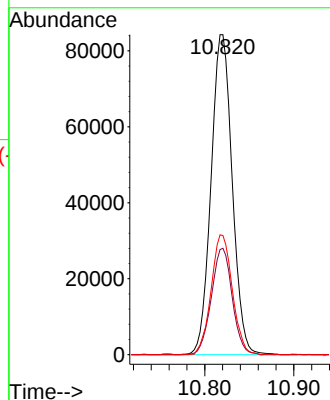
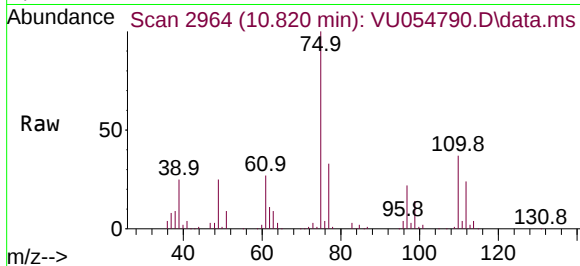




#60
1,2,3-Trichloropropane
Concen: 53.067 ug/L
RT: 10.820 min Scan# 2964
Delta R.T. 0.000 min
Lab File: VU054790.D
Acq: 17 Jul 2023 10:39

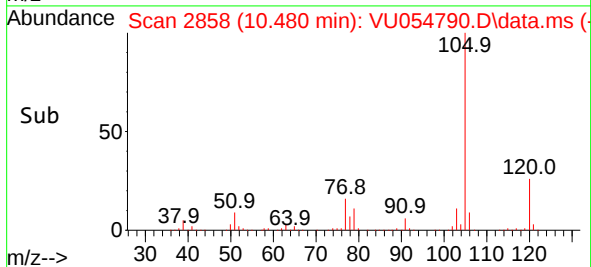
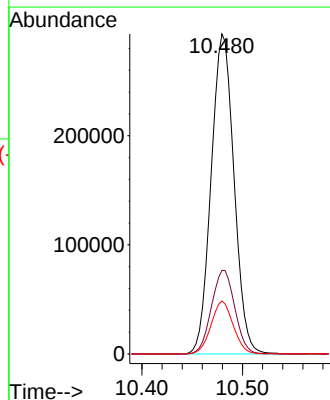
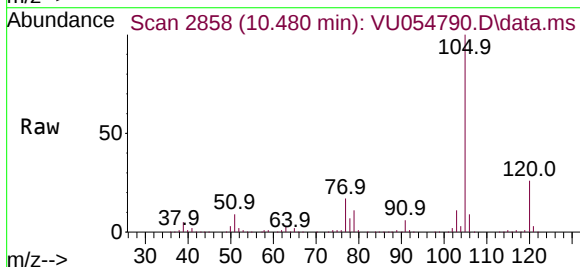
Instrument :
MSVOA_U
ClientSampleId :
VSTD050031

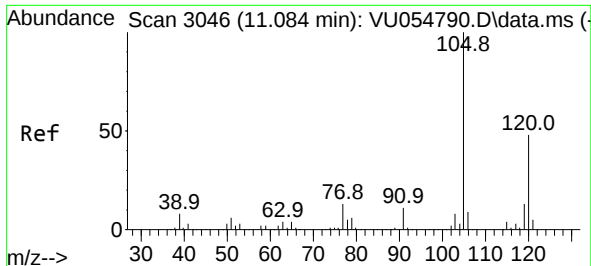
Tgt Ion: 75 Resp: 138961
Ion Ratio Lower Upper
75 100
77 32.8 26.2 39.4
110 37.4 29.9 44.9



#61
Isopropylbenzene
Concen: 52.243 ug/L
RT: 10.480 min Scan# 2858
Delta R.T. 0.000 min
Lab File: VU054790.D
Acq: 17 Jul 2023 10:39

Tgt Ion: 105 Resp: 463239
Ion Ratio Lower Upper
105 100
120 26.7 21.4 32.0
77 16.0 12.8 19.2





#62

1,3,5-Trimethylbenzene

Concen: 52.183 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. 0.000 min

Lab File: VU054790.D

Acq: 17 Jul 2023 10:39

Instrument :

MSVOA_U

ClientSampleId :

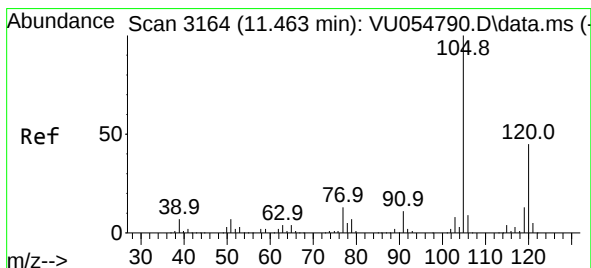
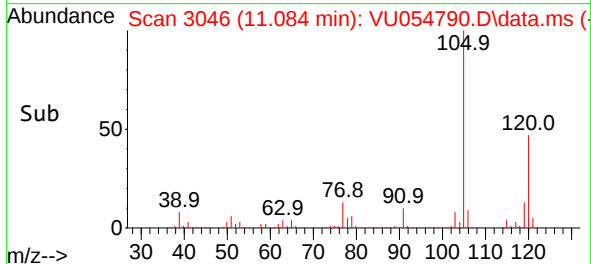
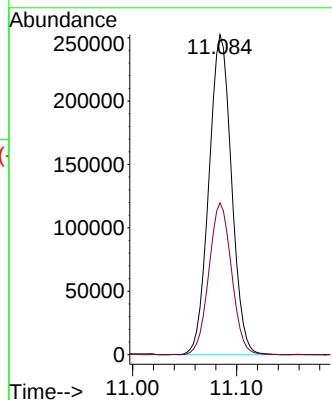
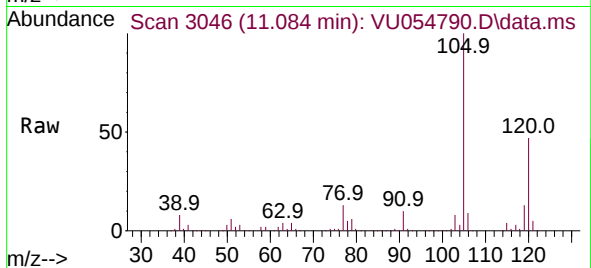
VSTD050031

Tgt Ion:105 Resp: 381062

Ion Ratio Lower Upper

105 100

120 47.5 38.0 57.0



#63

1,2,4-Trimethylbenzene

Concen: 52.325 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VU054790.D

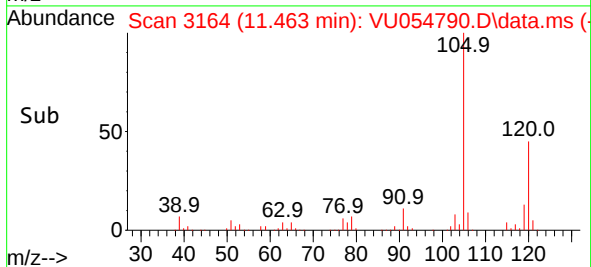
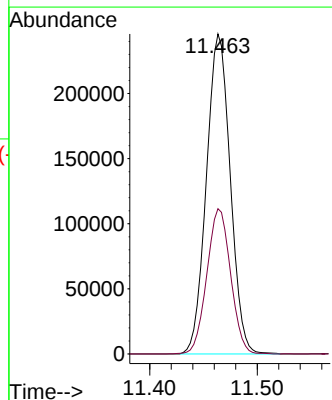
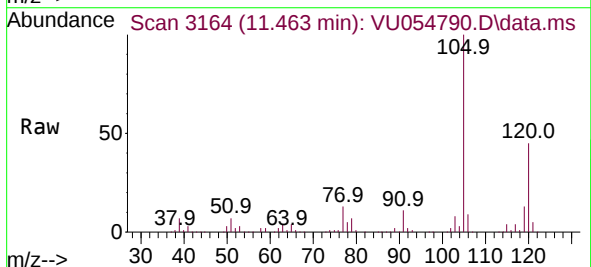
Acq: 17 Jul 2023 10:39

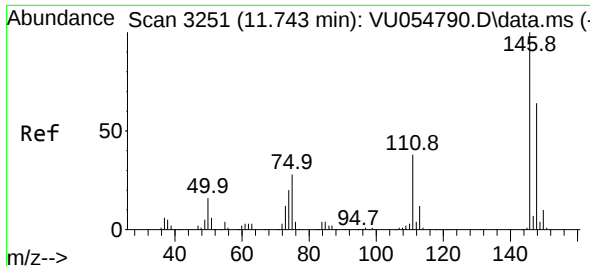
Tgt Ion:105 Resp: 378737

Ion Ratio Lower Upper

105 100

120 45.2 36.2 54.2

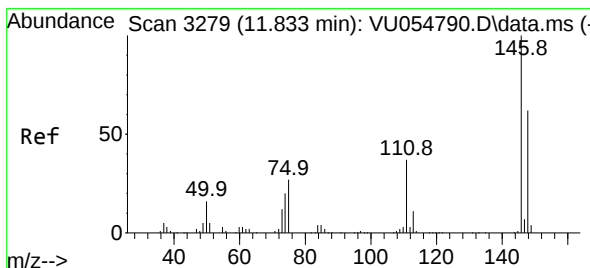
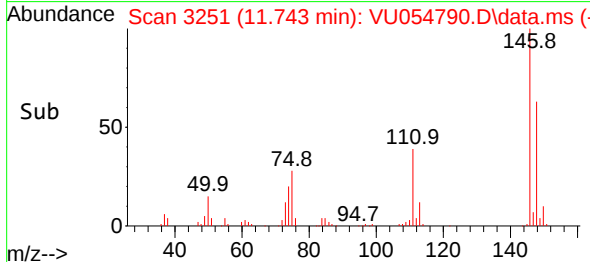
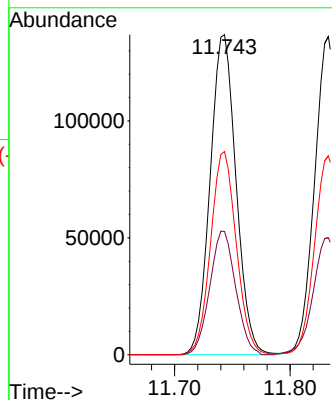
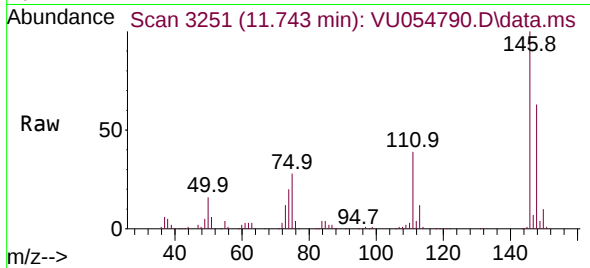




#64
 1,3-Dichlorobenzene
 Concen: 51.977 ug/L
 RT: 11.743 min Scan# 3251
 Delta R.T. 0.000 min
 Lab File: VU054790.D
 Acq: 17 Jul 2023 10:39

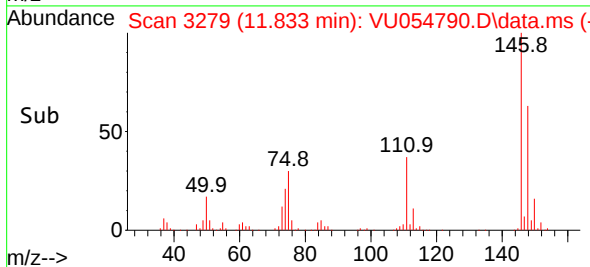
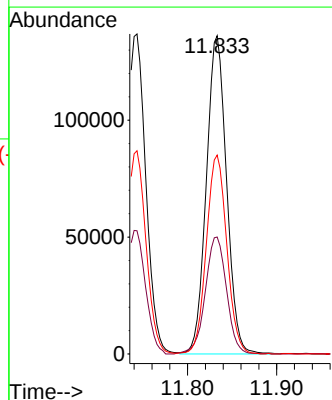
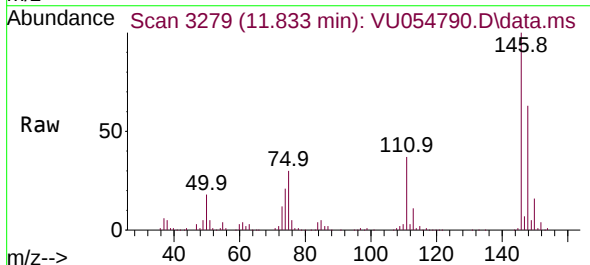
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050031

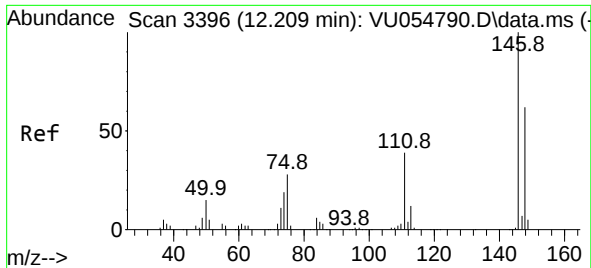
Tgt Ion:146 Resp: 213745
 Ion Ratio Lower Upper
 146 100
 111 36.0 25.2 46.8
 148 63.4 44.4 82.4



#65
 1,4-Dichlorobenzene
 Concen: 51.827 ug/L
 RT: 11.833 min Scan# 3279
 Delta R.T. 0.000 min
 Lab File: VU054790.D
 Acq: 17 Jul 2023 10:39

Tgt Ion:146 Resp: 214670
 Ion Ratio Lower Upper
 146 100
 111 34.5 24.1 44.8
 148 58.6 41.0 76.2





#67

1,2-Dichlorobenzene

Concen: 53.144 ug/L

RT: 12.209 min Scan# 3396

Delta R.T. 0.000 min

Lab File: VU054790.D

Acq: 17 Jul 2023 10:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD050031

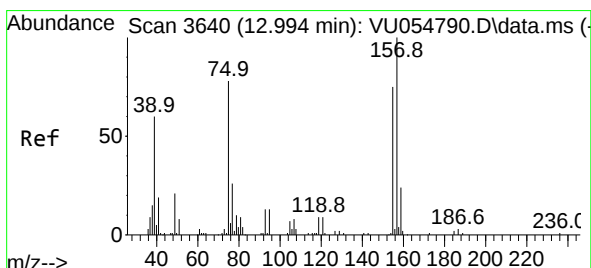
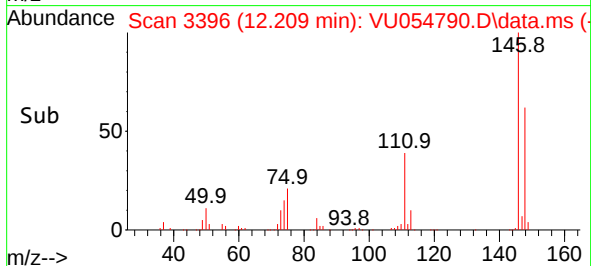
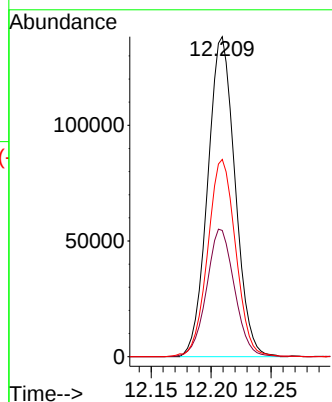
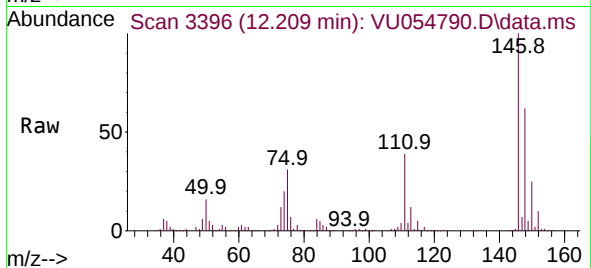
Tgt Ion:146 Resp: 219538

Ion Ratio Lower Upper

146 100

111 39.4 31.5 47.3

148 66.9 53.5 80.3



#68

1,2-Dibromo-3-chloropropane

Concen: 50.918 ug/L

RT: 12.994 min Scan# 3640

Delta R.T. 0.000 min

Lab File: VU054790.D

Acq: 17 Jul 2023 10:39

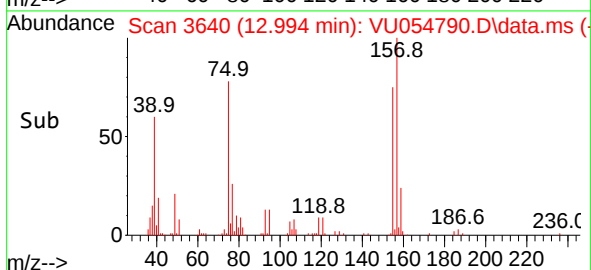
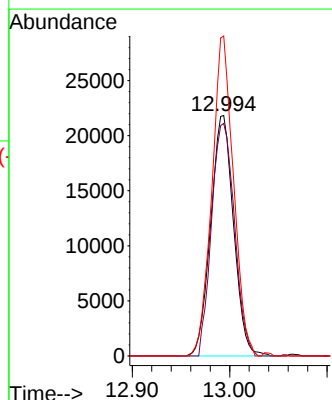
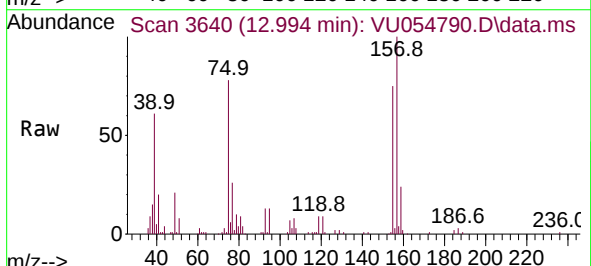
Tgt Ion: 75 Resp: 35637

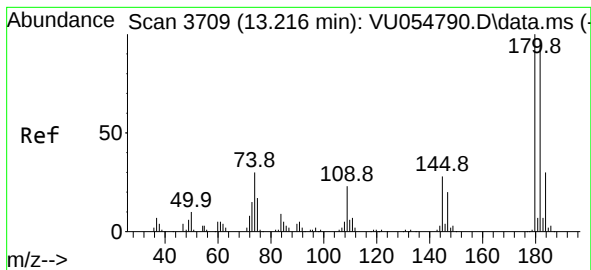
Ion Ratio Lower Upper

75 100

155 100.8 80.6 121.0

157 133.1 106.5 159.7





#69

1,3,5-Trichlorobenzene

Concen: 52.308 ug/L

RT: 13.216 min Scan# 3709

Delta R.T. 0.000 min

Lab File: VU054790.D

Acq: 17 Jul 2023 10:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD050031

Tgt Ion:180 Resp: 144195

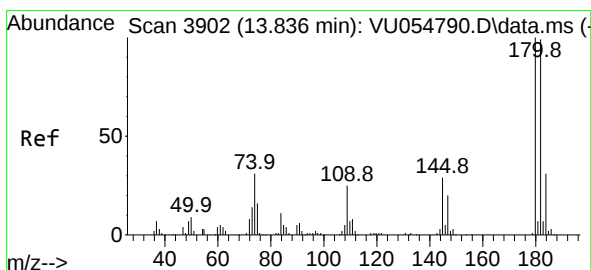
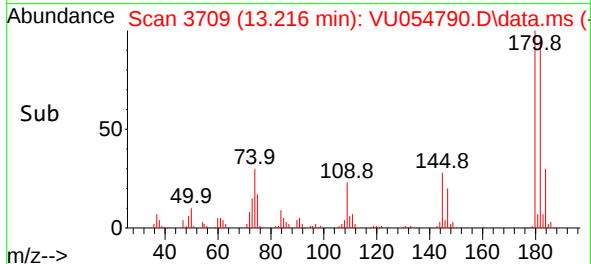
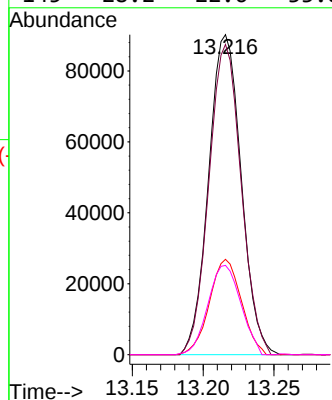
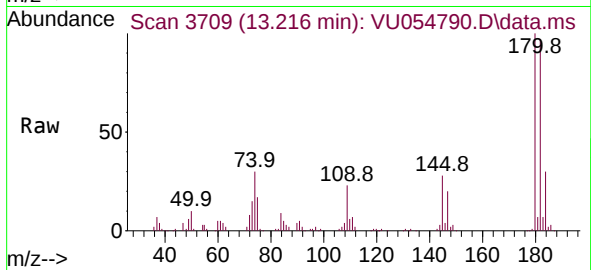
Ion Ratio Lower Upper

180 100

182 95.9 76.7 115.1

184 29.2 23.4 35.0

145 28.2 22.6 33.8



#70

1,2,4-trichlorobenzene

Concen: 53.622 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.000 min

Lab File: VU054790.D

Acq: 17 Jul 2023 10:39

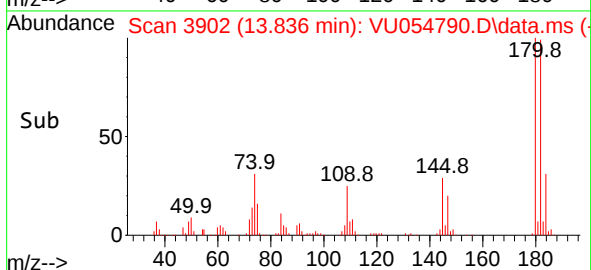
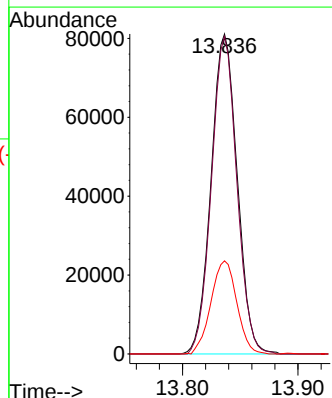
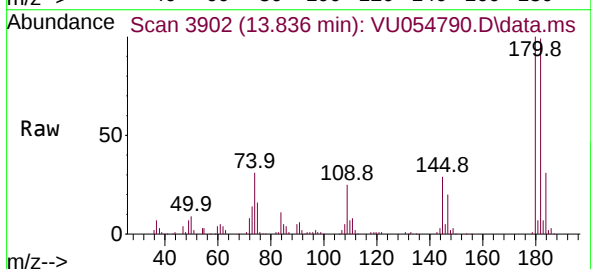
Tgt Ion:180 Resp: 127613

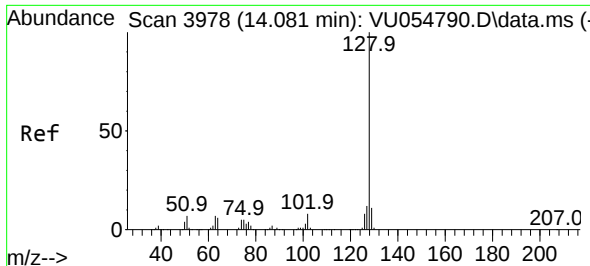
Ion Ratio Lower Upper

180 100

182 96.0 76.8 115.2

145 28.8 23.0 34.6

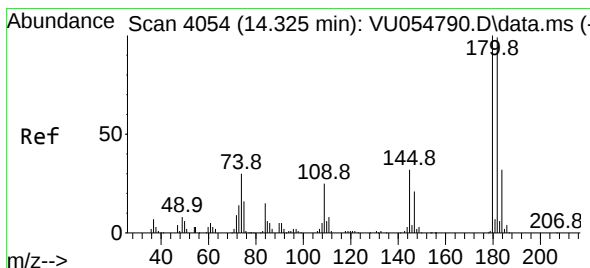
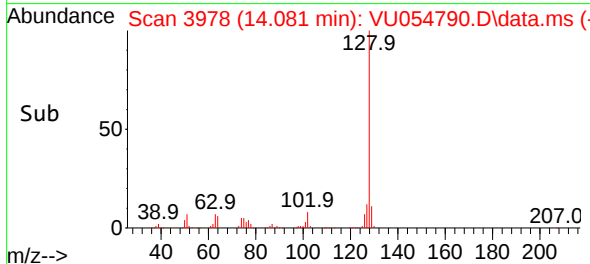
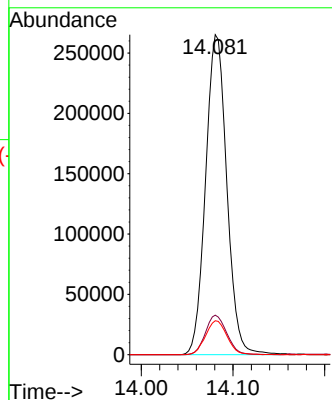
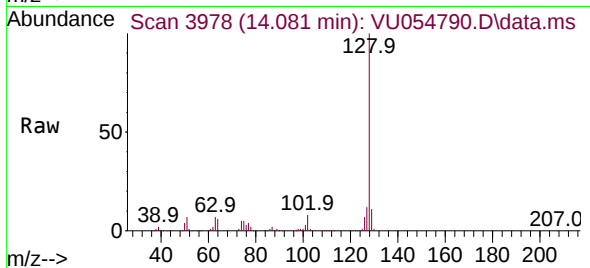




#71
Naphthalene
Concen: 54.580 ug/L
RT: 14.081 min Scan# 3978
Delta R.T. 0.000 min
Lab File: VU054790.D
Acq: 17 Jul 2023 10:39

Instrument :
MSVOA_U
ClientSampleId :
VSTD050031

Tgt Ion:128 Resp: 426333
Ion Ratio Lower Upper
128 100
127 12.5 10.0 15.0
129 10.8 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 53.752 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. 0.000 min
Lab File: VU054790.D
Acq: 17 Jul 2023 10:39

Tgt Ion:180 Resp: 124570
Ion Ratio Lower Upper
180 100
182 95.8 76.6 115.0
145 31.8 25.4 38.2

