

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070723\
 Data File : VU054775.D
 Acq On : 07 Jul 2023 10:47
 Operator : MD/SY
 Sample : VSTD02041
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020041

Quant Time: Jul 08 07:42:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR070723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Jul 08 07:39:44 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	226756	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	214944	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	121387	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	374880	21.906	ug/L	0.00
7) Chloroethane-d5	1.901	69	306376	21.399	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.557	65	151782	21.716	ug/L	0.00
20) 2-Butanone-d5	4.618	46	893485	229.771	ug/L	0.00
24) Chloroform-d	5.055	84	667919	21.908	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.695	65	352687	22.128	ug/L	0.00
32) Benzene-d6	5.721	84	1309468	22.950	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.685	67	406035	22.439	ug/L	0.00
41) Toluene-d8	7.894	98	1241542	23.347	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.174	79	171826	23.595	ug/L	0.00
46) 2-Hexanone-d5	8.631	63	721028	258.446	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.753	84	331219	22.716	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.190	152	474033	22.413	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	370609	21.042	ug/L	99
3) Chloromethane	1.518	50	392082	19.932	ug/L	100
5) Vinyl chloride	1.599	62	399425	20.892	ug/L	100
6) Bromomethane	1.849	94	238150	20.497	ug/L	99
8) Chloroethane	1.920	64	225061	20.578	ug/L	99
9) Trichlorofluoromethane	2.129	101	527118	21.157	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	261544	21.014	ug/L	97
12) 1,1-Dichloroethene	2.570	96	245244	21.140	ug/L	98
13) Acetone	2.631	43	404255	199.074	ug/L	99
14) Carbon disulfide	2.785	76	826338	21.154	ug/L	99
15) Methyl Acetate	2.946	43	102095	20.328	ug/L	98
16) Methylene chloride	3.039	84	275566	16.048	ug/L	99
17) Methyl tert-butyl Ether	3.357	73	617731	22.568	ug/L	98
18) trans-1,2-Dichloroethene	3.345	96	255125	21.357	ug/L	99
19) 1,1-Dichloroethane	3.862	63	485348	20.959	ug/L	97
21) 2-Butanone	4.698	43	675276	220.666	ug/L	99
22) cis-1,2-Dichloroethene	4.660	96	283930	21.829	ug/L	98
23) Bromochloromethane	4.968	128	125155	21.633	ug/L	93
25) Chloroform	5.081	83	505901	20.841	ug/L	98
27) 1,2-Dichloroethane	5.788	62	325647	20.769	ug/L	99
29) 1,1,1-Trichloroethane	5.309	97	457409	22.055	ug/L	99
30) Cyclohexane	5.380	56	433420	23.491	ug/L	99
31) Carbon tetrachloride	5.518	117	397009	21.329	ug/L	99
33) Benzene	5.769	78	1072038	22.155	ug/L	100
34) Trichloroethene	6.537	95	288432	21.294	ug/L	98
35) Methylcyclohexane	6.759	83	448929	23.704	ug/L	98
37) 1,2-Dichloropropane	6.785	63	282200	22.223	ug/L	98
38) Bromodichloromethane	7.100	83	355431	21.787	ug/L	97
39) cis-1,3-Dichloropropene	7.602	75	443651	23.355	ug/L	99
40) 4-Methyl-2-pentanone	7.788	43	1655189	232.564	ug/L	99
42) Toluene	7.965	91	1166837	22.752	ug/L	97
44) trans-1,3-Dichloropropene	8.206	75	375370	22.856	ug/L	94

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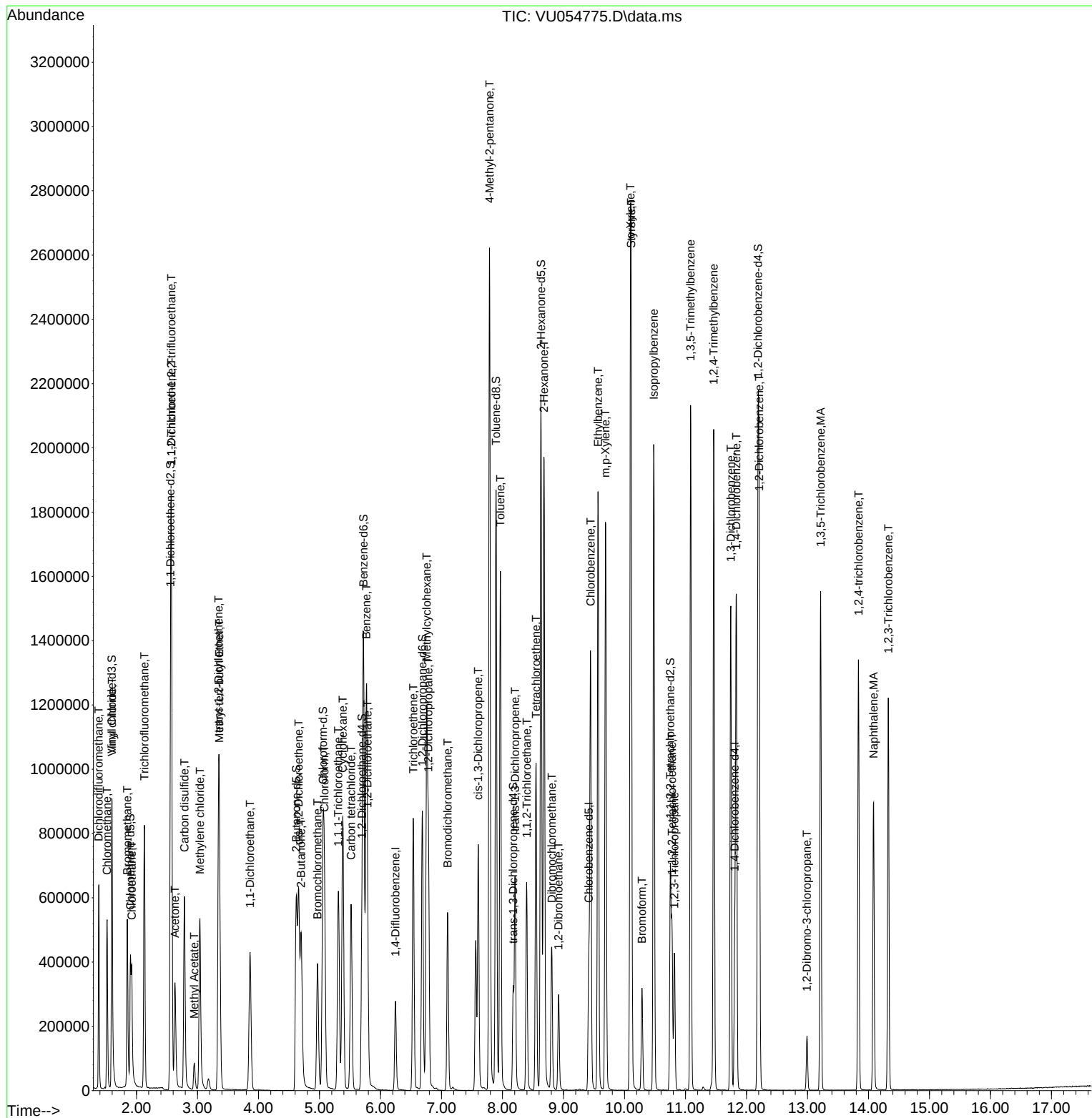
45) 1,1,2-Trichloroethane	8.396	97	199759	21.968	ug/L	94
47) Tetrachloroethene	8.550	164	232453	21.190	ug/L	98
48) 2-Hexanone	8.679	43	1207217	235.557	ug/L	98
49) Dibromochloromethane	8.807	129	233779	22.088	ug/L	97
50) 1,2-Dibromoethane	8.920	107	193730	22.328	ug/L	98
51) Chlorobenzene	9.444	112	724832	22.064	ug/L	98
52) Ethylbenzene	9.566	91	1288549	23.470	ug/L	100
53) m,p-Xylene	9.688	106	495659	23.634	ug/L	96
54) o-Xylene	10.097	106	474536	24.226	ug/L	97
55) Styrene	10.110	104	817890	24.695	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.778	83	247009	22.280	ug/L	97
59) Bromoform	10.286	173	147643	20.791	ug/L	98
60) Isopropylbenzene	10.479	105	1301039	23.099	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	178781	20.211	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	1125251	24.082	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	1096292	24.552	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	610291	21.517	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	609615	21.578	ug/L	97
67) 1,2-Dichlorobenzene	12.209	146	569189	21.834	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.991	75	43355	20.142	ug/L	100
69) 1,3,5-Trichlorobenzene	13.216	180	473282	22.325	ug/L	97
70) 1,2,4-trichlorobenzene	13.836	180	407275	23.910	ug/L	100
71) Naphthalene	14.084	128	703104	26.139	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	369326	24.249	ug/L	100

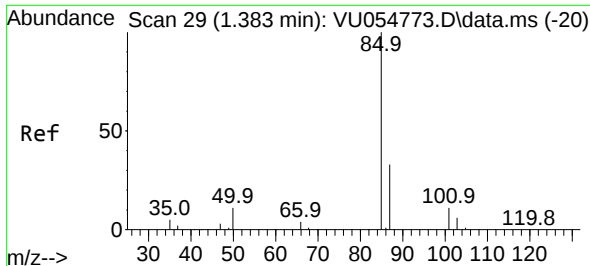
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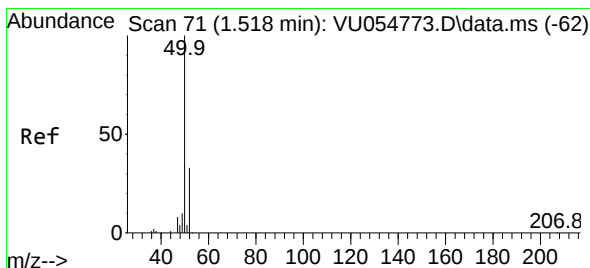
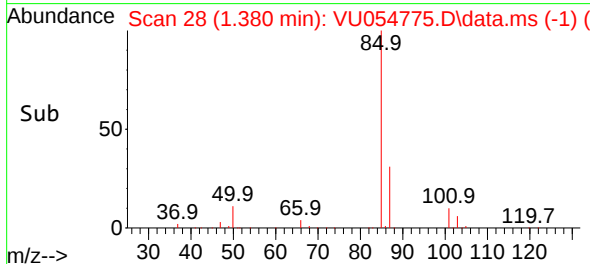
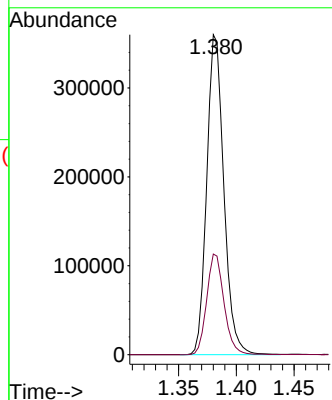
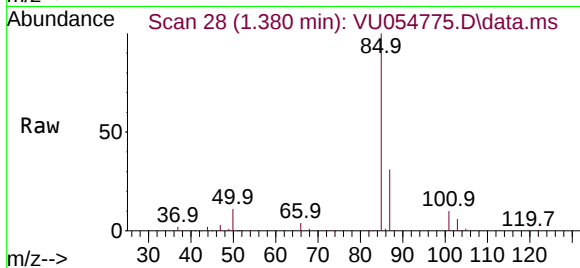




#2
 Dichlorodifluoromethane
 Concen: 21.042 ug/L
 RT: 1.380 min Scan# 29
 Delta R.T. -0.003 min
 Lab File: VU054775.D
 Acq: 07 Jul 2023 10:47

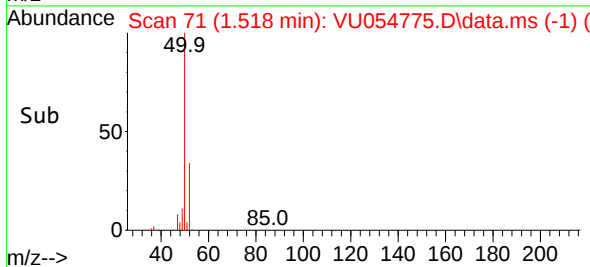
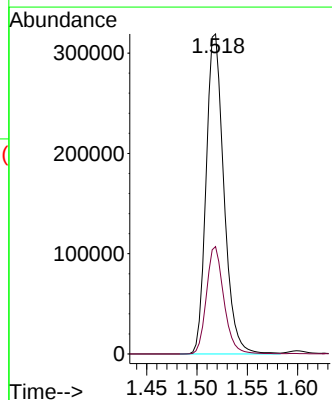
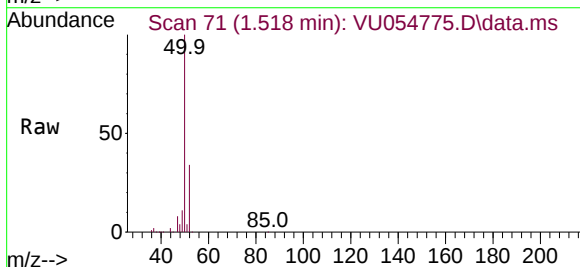
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020041

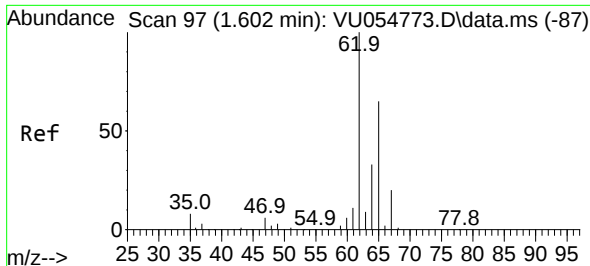
Tgt Ion: 85 Resp: 370609
 Ion Ratio Lower Upper
 85 100
 87 31.9 26.2 39.2



#3
 Chloromethane
 Concen: 19.932 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VU054775.D
 Acq: 07 Jul 2023 10:47

Tgt Ion: 50 Resp: 392082
 Ion Ratio Lower Upper
 50 100
 52 33.6 23.4 43.6

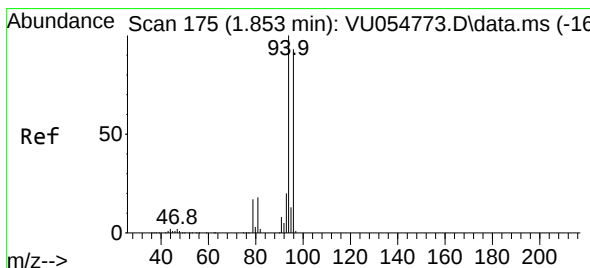
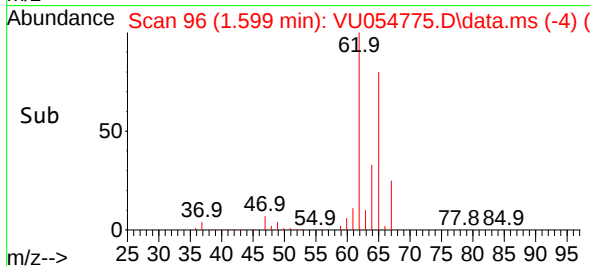
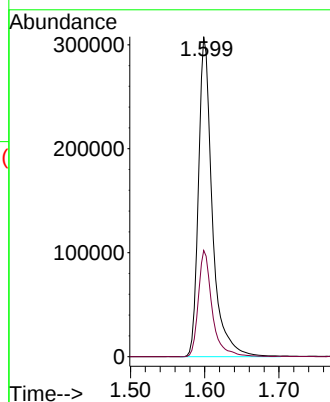
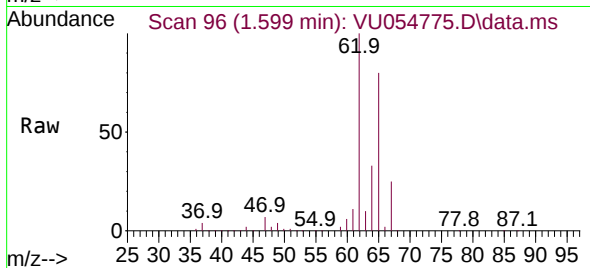




#5
 Vinyl chloride
 Concen: 20.892 ug/L
 RT: 1.599 min Scan# 90
 Delta R.T. -0.003 min
 Lab File: VU054775.D
 Acq: 07 Jul 2023 10:47

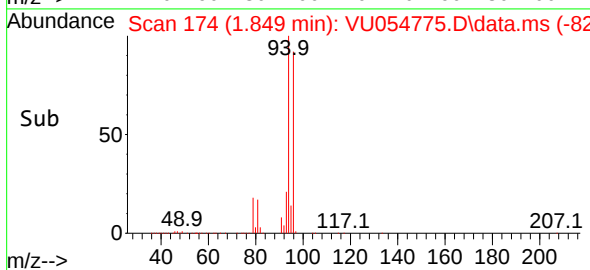
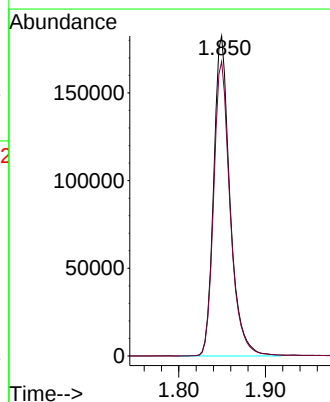
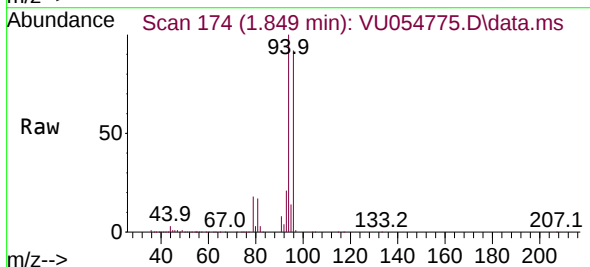
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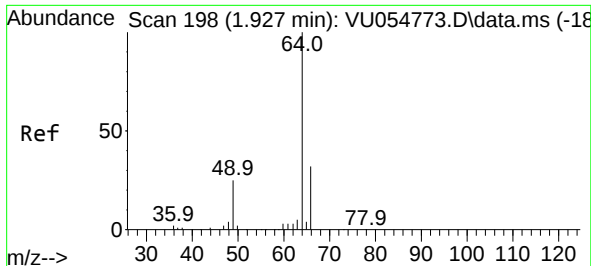
Tgt Ion: 62 Resp: 399425
 Ion Ratio Lower Upper
 62 100
 64 33.2 23.2 43.0



#6
 Bromomethane
 Concen: 20.497 ug/L
 RT: 1.849 min Scan# 174
 Delta R.T. -0.003 min
 Lab File: VU054775.D
 Acq: 07 Jul 2023 10:47

Tgt Ion: 94 Resp: 238150
 Ion Ratio Lower Upper
 94 100
 96 92.0 65.0 120.6

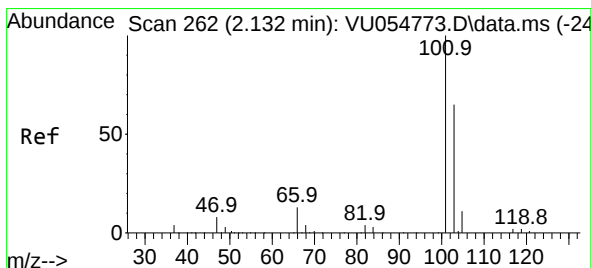
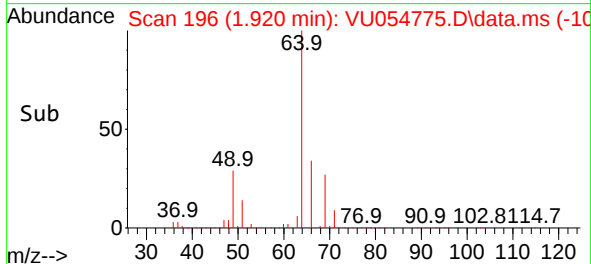
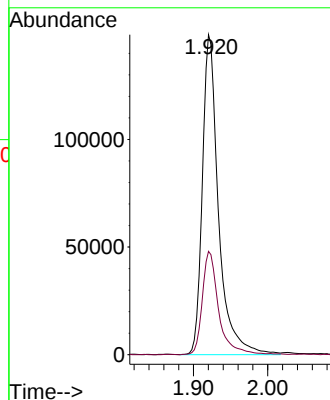
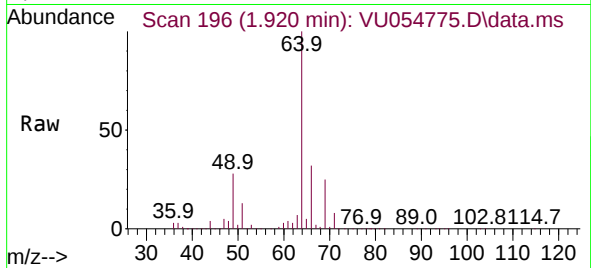




#8
Chloroethane
Concen: 20.578 ug/L
RT: 1.920 min Scan# 19
Delta R.T. -0.006 min
Lab File: VU054775.D
Acq: 07 Jul 2023 10:47

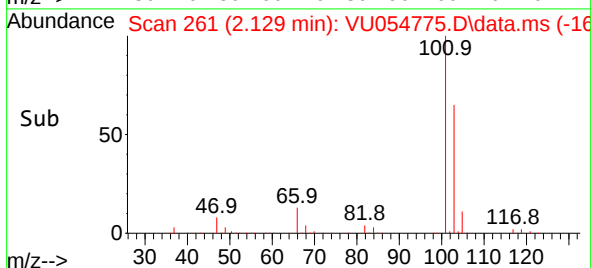
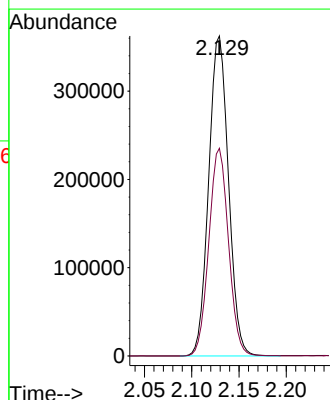
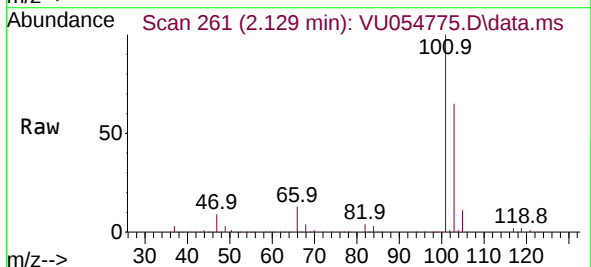
Instrument :
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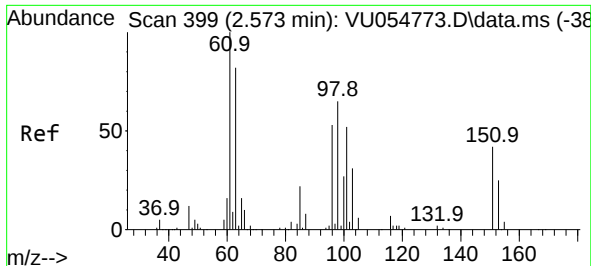
Tgt Ion: 64 Resp: 225061
Ion Ratio Lower Upper
64 100
66 32.3 23.0 42.8



#9
Trichlorofluoromethane
Concen: 21.157 ug/L
RT: 2.129 min Scan# 261
Delta R.T. -0.003 min
Lab File: VU054775.D
Acq: 07 Jul 2023 10:47

Tgt Ion:101 Resp: 527118
Ion Ratio Lower Upper
101 100
103 64.6 51.8 77.8





#10

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

Concen: 21.014 ug/L

RT: 2.570 min Scan# 398

Delta R.T. -0.003 min

Lab File: VU054775.D

Acq: 07 Jul 2023 10:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD020041

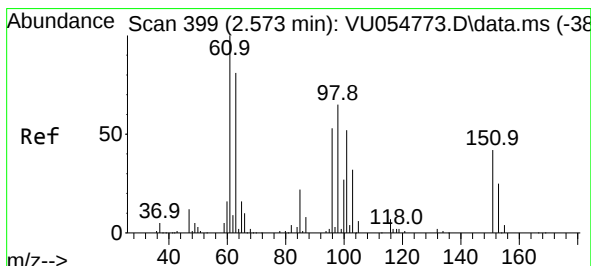
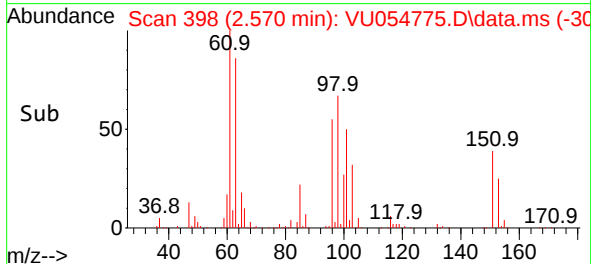
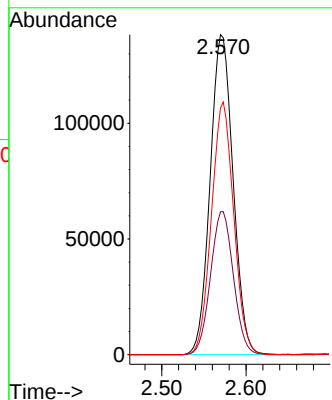
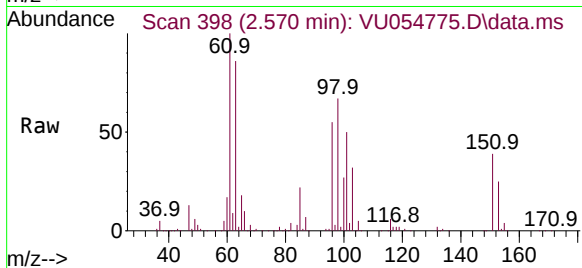
Tgt Ion:101 Resp: 261544

Ion Ratio Lower Upper

101 100

85 44.7 34.5 51.7

151 76.9 63.5 95.3



#12

1,1-Dichloroethene

Concen: 21.140 ug/L

RT: 2.570 min Scan# 398

Delta R.T. -0.003 min

Lab File: VU054775.D

Acq: 07 Jul 2023 10:47

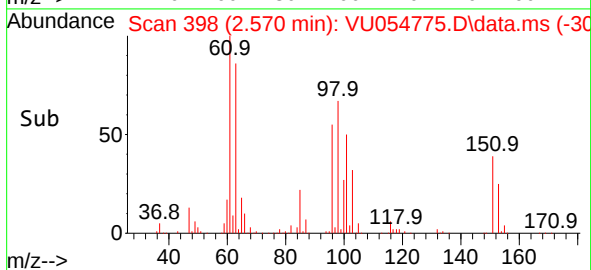
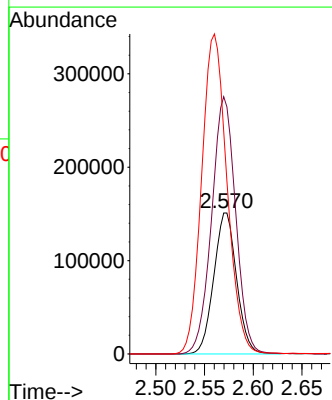
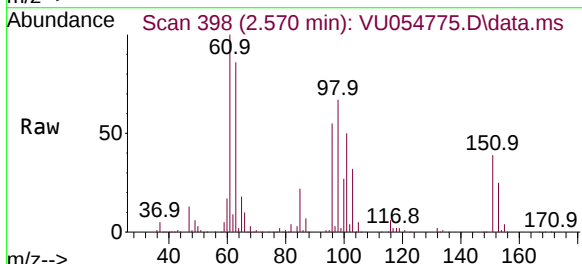
Tgt Ion: 96 Resp: 245244

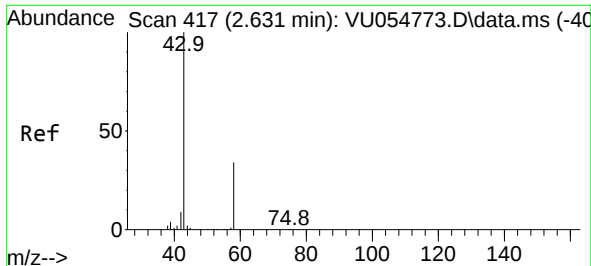
Ion Ratio Lower Upper

96 100

61 182.6 131.8 244.8

63 157.8 109.8 204.0





#13

Acetone

Concen: 199.074 ug/L

RT: 2.631 min Scan# 417

Delta R.T. 0.000 min

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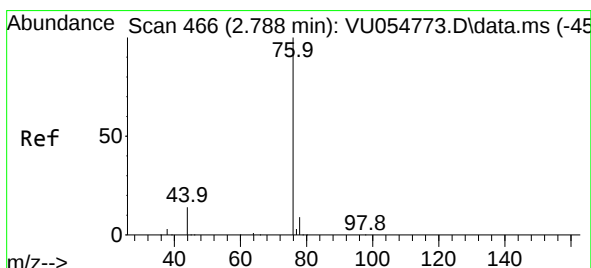
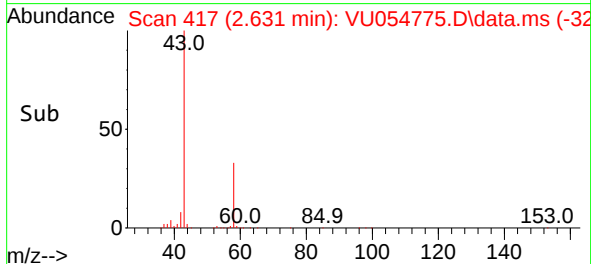
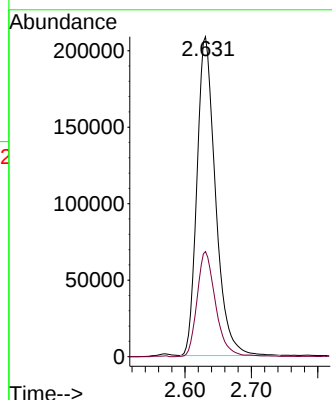
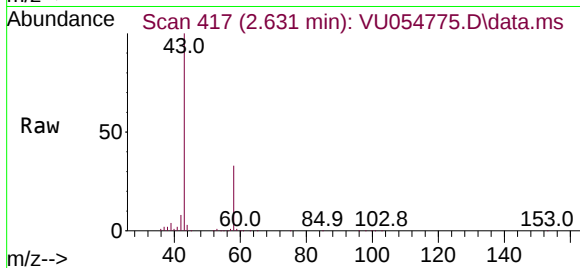
VSTD020041

Tgt Ion: 43 Resp: 404255

Ion Ratio Lower Upper

43 100

58 33.2 0.0 65.0



#14

Carbon disulfide

Concen: 21.154 ug/L

RT: 2.785 min Scan# 465

Delta R.T. -0.003 min

Lab File: VU054775.D

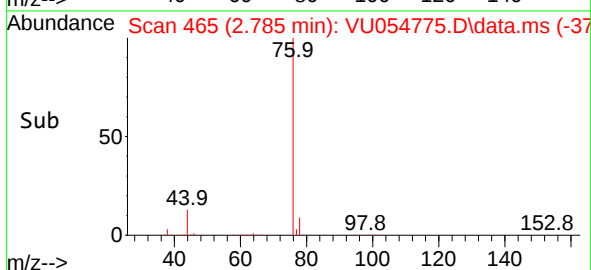
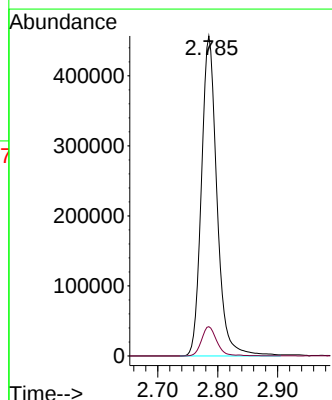
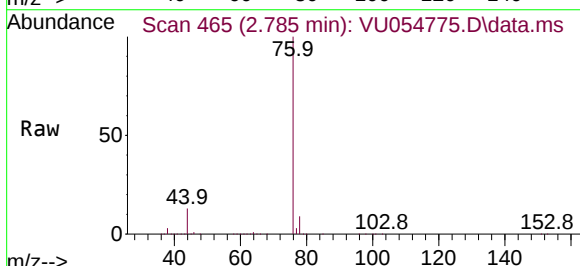
Acq: 07 Jul 2023 10:47

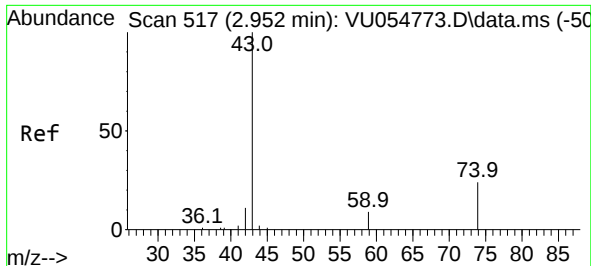
Tgt Ion: 76 Resp: 826338

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7

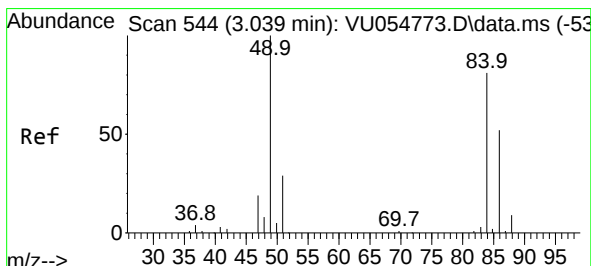
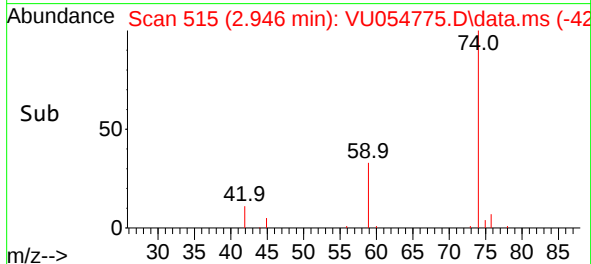
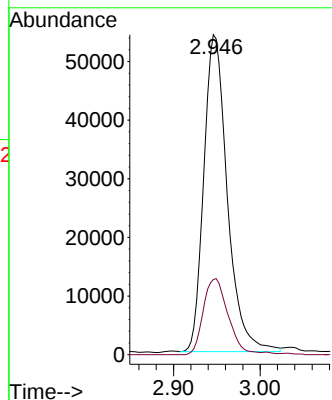
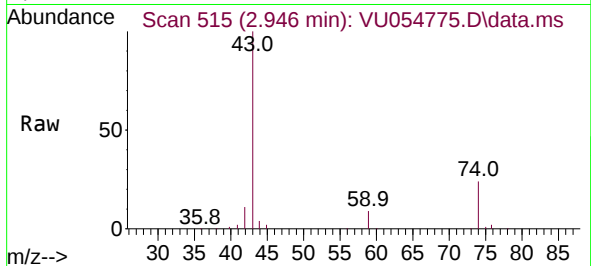




#15
Methyl Acetate
Concen: 20.328 ug/L
RT: 2.946 min Scan# 517
Delta R.T. -0.006 min
Lab File: VU054775.D
Acq: 07 Jul 2023 10:47

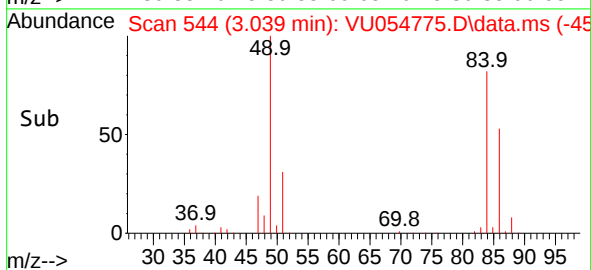
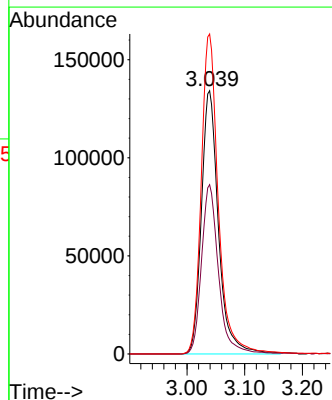
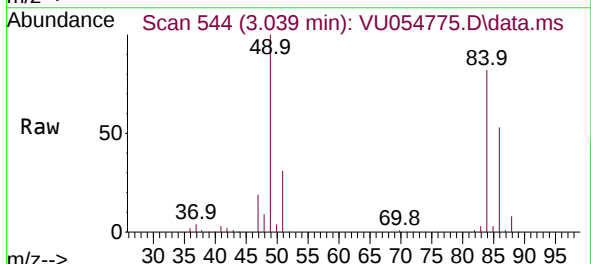
Instrument :
MSVOA_U
ClientSampleId :
VSTD020041

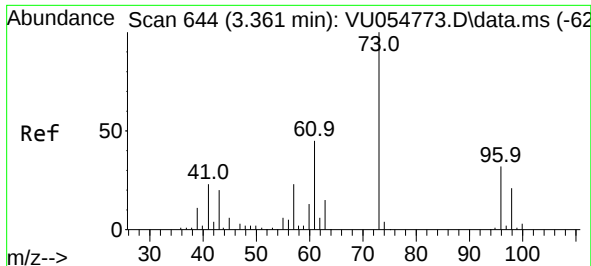
Tgt Ion: 43 Resp: 102095
Ion Ratio Lower Upper
43 100
74 25.1 19.2 28.8



#16
Methylene chloride
Concen: 16.048 ug/L
RT: 3.039 min Scan# 544
Delta R.T. 0.000 min
Lab File: VU054775.D
Acq: 07 Jul 2023 10:47

Tgt Ion: 84 Resp: 275566
Ion Ratio Lower Upper
84 100
86 64.3 45.3 84.1
49 121.6 86.7 160.9

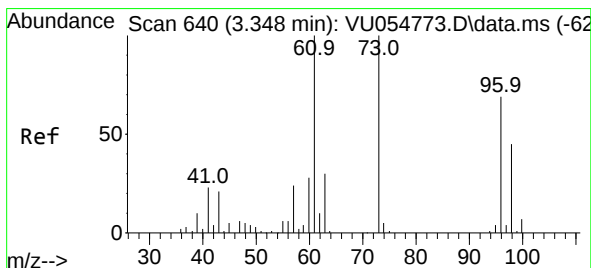
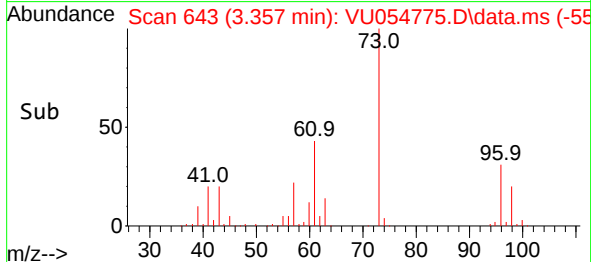
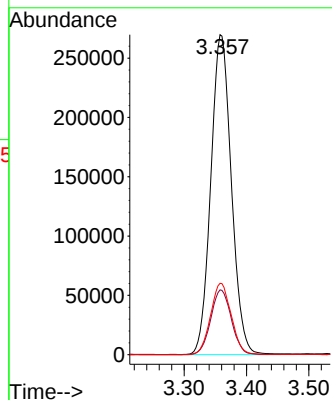
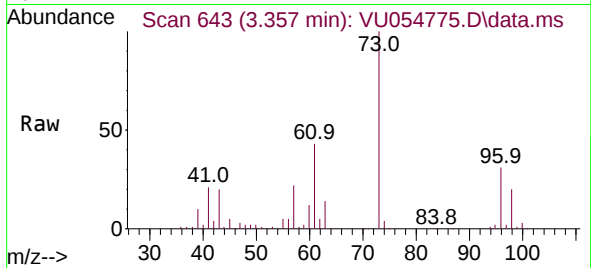




#17
Methyl tert-butyl Ether
Concen: 22.568 ug/L
RT: 3.357 min Scan# 644
Delta R.T. -0.003 min
Lab File: VU054775.D
Acq: 07 Jul 2023 10:47

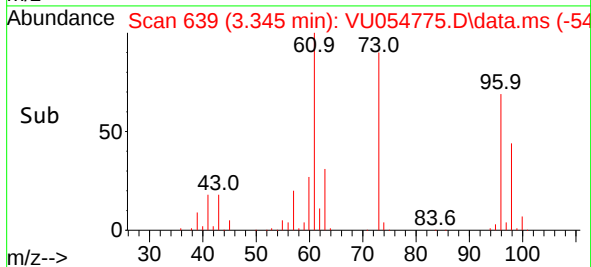
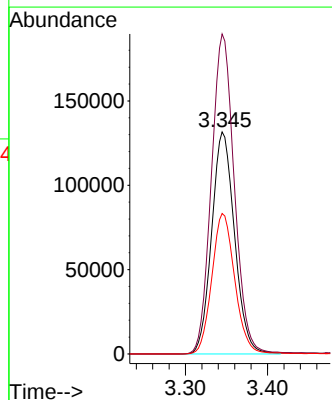
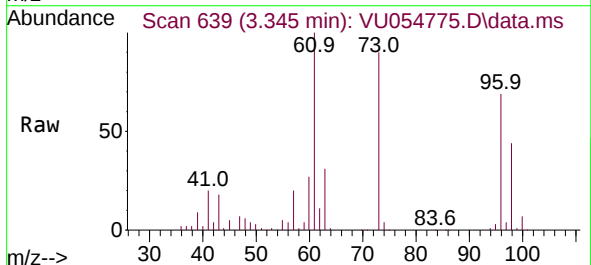
Instrument :
MSVOA_U
ClientSampleId :
VSTD020041

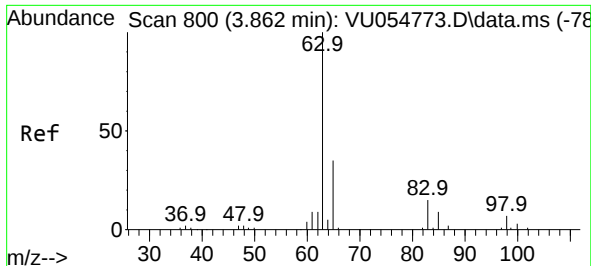
Tgt Ion: 73 Resp: 617731
Ion Ratio Lower Upper
73 100
43 20.2 16.9 25.3
57 22.4 18.9 28.3



#18
trans-1,2-Dichloroethene
Concen: 21.357 ug/L
RT: 3.345 min Scan# 639
Delta R.T. -0.003 min
Lab File: VU054775.D
Acq: 07 Jul 2023 10:47

Tgt Ion: 96 Resp: 255125
Ion Ratio Lower Upper
96 100
61 144.1 101.6 188.6
98 63.3 45.6 84.6





#19

1,1-Dichloroethane

Concen: 20.959 ug/L

RT: 3.862 min Scan# 80

Delta R.T. 0.000 min

Lab File: VU054775.D

Acq: 07 Jul 2023 10:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD020041

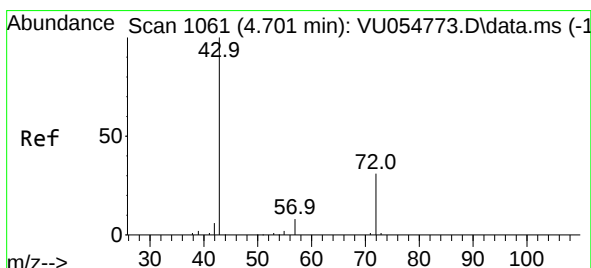
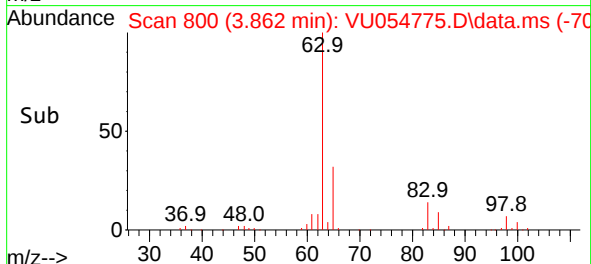
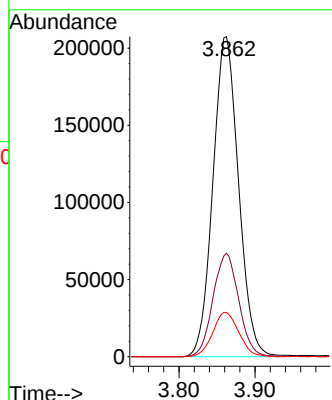
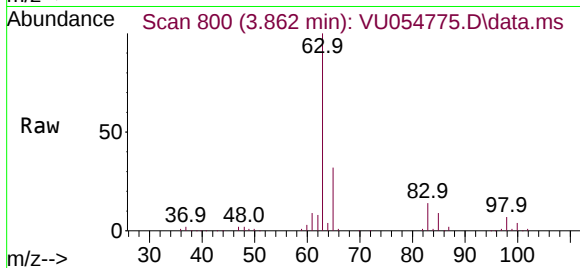
Tgt Ion: 63 Resp: 485348

Ion Ratio Lower Upper

63 100

65 32.4 24.2 45.0

83 13.8 10.4 19.2



#21

2-Butanone

Concen: 220.666 ug/L

RT: 4.698 min Scan# 1060

Delta R.T. -0.003 min

Lab File: VU054775.D

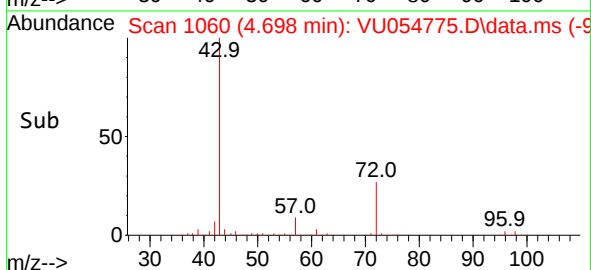
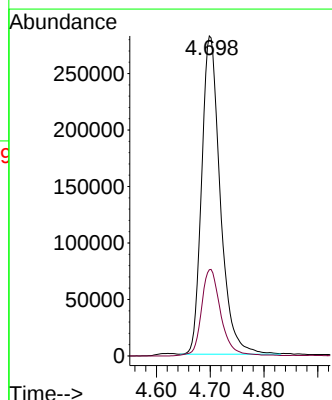
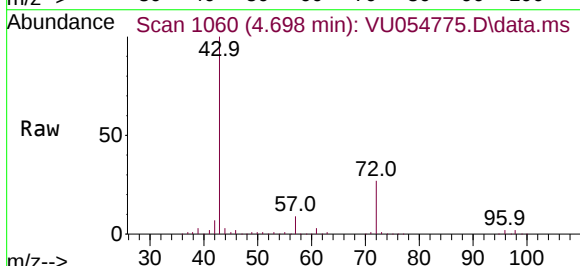
Acq: 07 Jul 2023 10:47

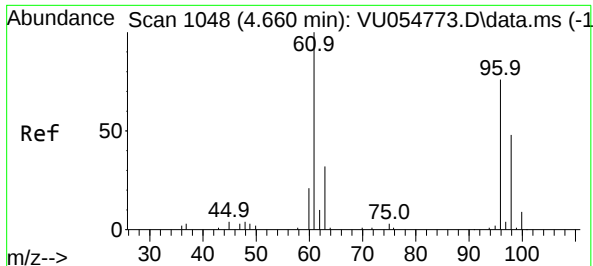
Tgt Ion: 43 Resp: 675276

Ion Ratio Lower Upper

43 100

72 28.4 14.4 43.4

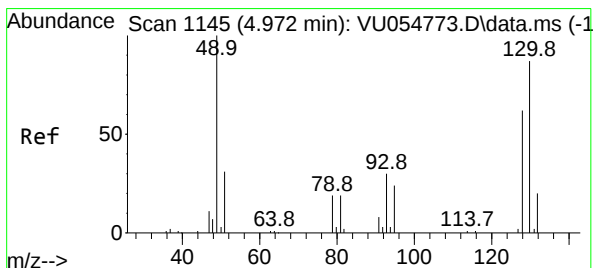
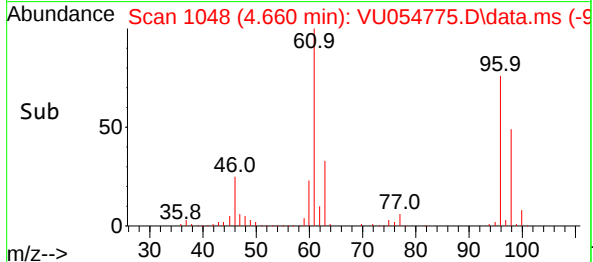
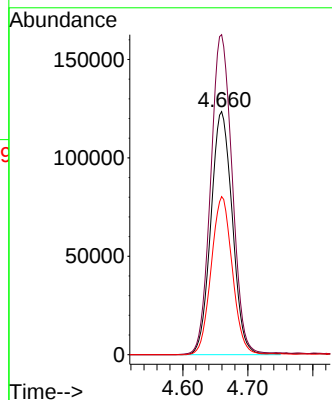
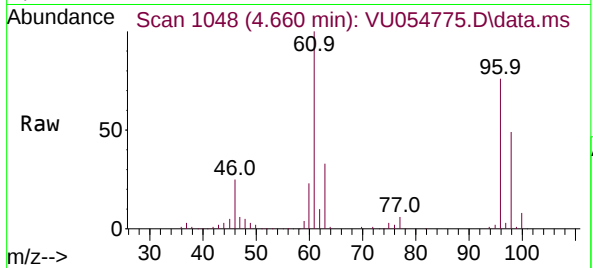




#22
 cis-1,2-Dichloroethene
 Concen: 21.829 ug/L
 RT: 4.660 min Scan# 1048
 Delta R.T. 0.000 min
 Lab File: VU054775.D
 Acq: 07 Jul 2023 10:47

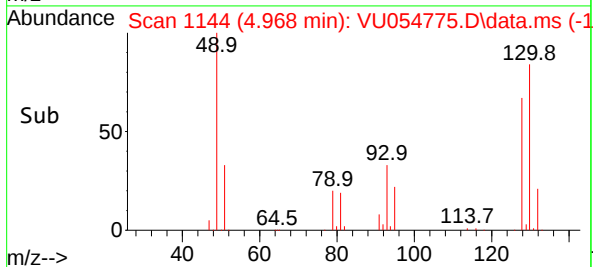
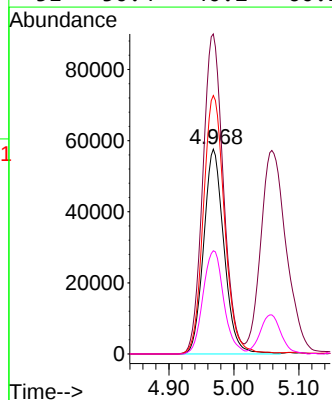
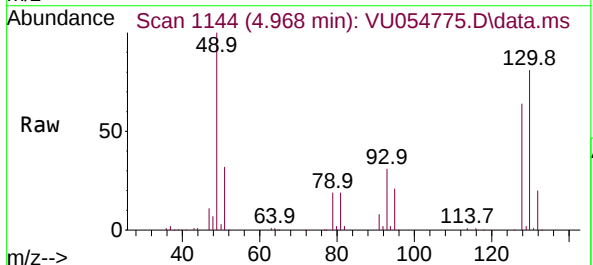
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020041

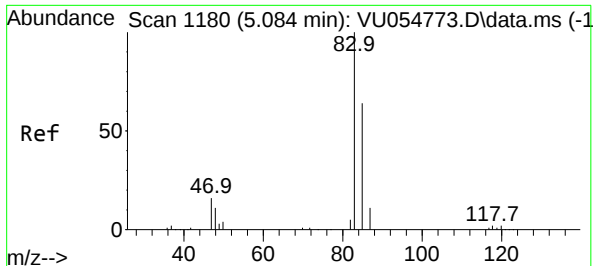
Tgt Ion:	96	Resp:	283930
Ion	Ratio	Lower	Upper
96	100		
61	131.6	93.0	172.8
98	65.0	44.0	81.8



#23
 Bromochloromethane
 Concen: 21.633 ug/L
 RT: 4.968 min Scan# 1144
 Delta R.T. -0.003 min
 Lab File: VU054775.D
 Acq: 07 Jul 2023 10:47

Tgt Ion:	128	Resp:	125155
Ion	Ratio	Lower	Upper
128	100		
49	156.3	113.5	210.7
130	126.2	98.0	182.0
51	50.4	40.2	60.2





#25

Chloroform

Concen: 20.841 ug/L

RT: 5.081 min Scan# 1180

Delta R.T. -0.003 min

Lab File: VU054775.D

Acq: 07 Jul 2023 10:47

Instrument :

MSVOA_U

ClientSampleId :

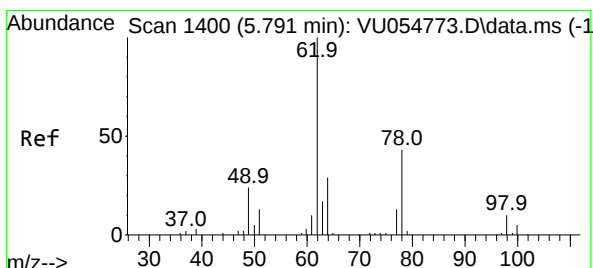
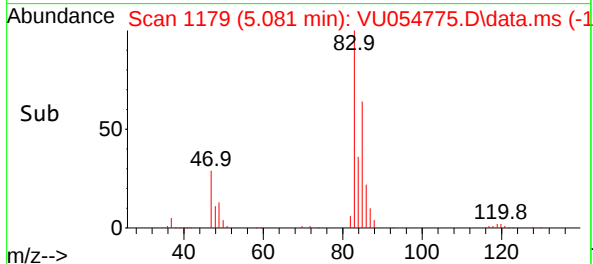
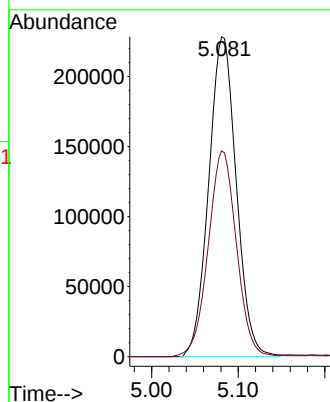
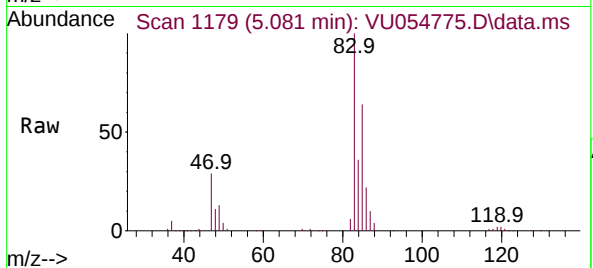
VSTD020041

Tgt Ion: 83 Resp: 505901

Ion Ratio Lower Upper

83 100

85 64.4 46.2 85.8



#27

1,2-Dichloroethane

Concen: 20.769 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. -0.003 min

Lab File: VU054775.D

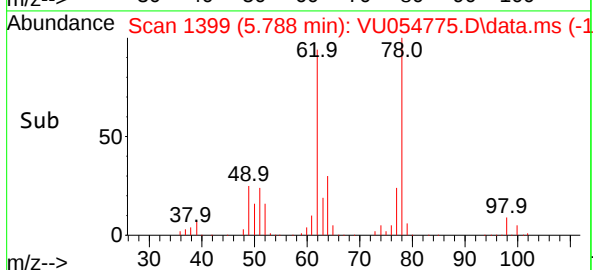
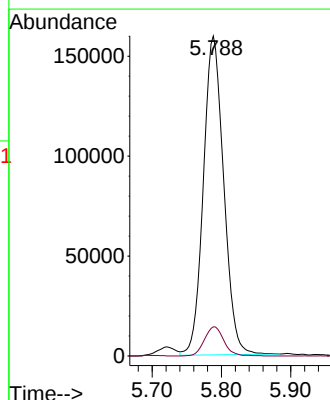
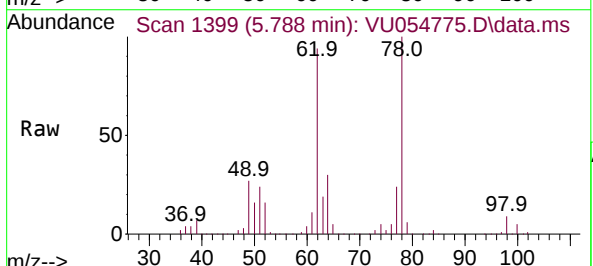
Acq: 07 Jul 2023 10:47

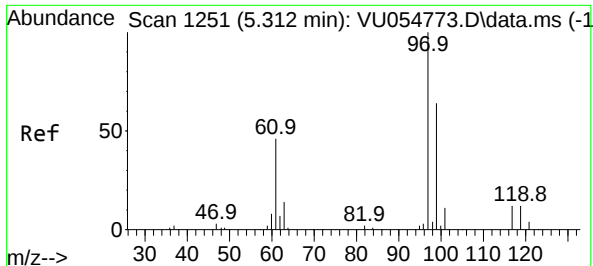
Tgt Ion: 62 Resp: 325647

Ion Ratio Lower Upper

62 100

98 9.1 7.7 11.5





#29

1,1,1-Trichloroethane

Concen: 22.055 ug/L

RT: 5.309 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU054775.D

Acq: 07 Jul 2023 10:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD020041

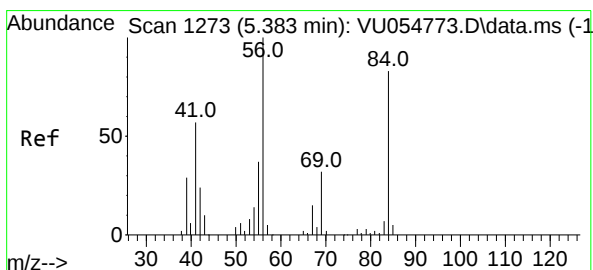
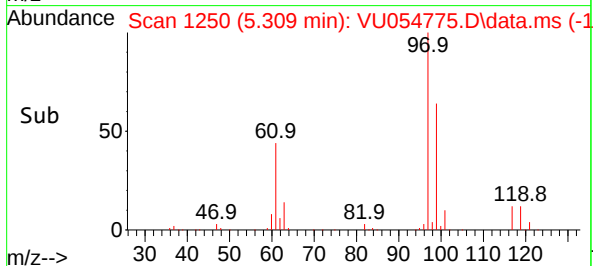
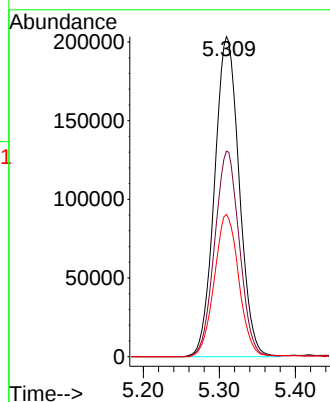
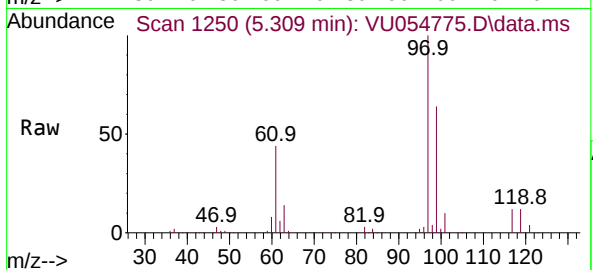
Tgt Ion: 97 Resp: 457409

Ion Ratio Lower Upper

97 100

99 64.5 51.7 77.5

61 44.3 37.0 55.4



#30

Cyclohexane

Concen: 23.491 ug/L

RT: 5.380 min Scan# 1272

Delta R.T. -0.003 min

Lab File: VU054775.D

Acq: 07 Jul 2023 10:47

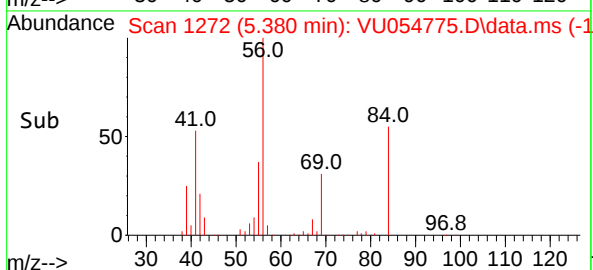
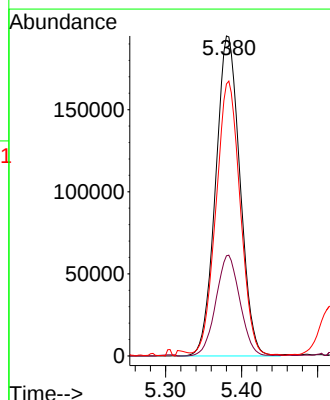
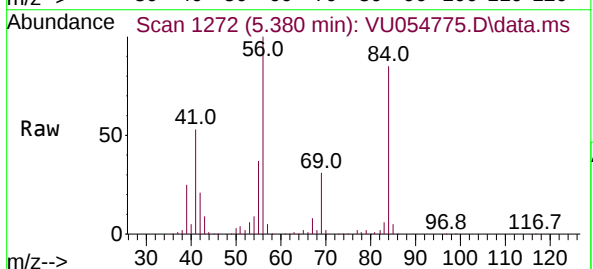
Tgt Ion: 56 Resp: 433420

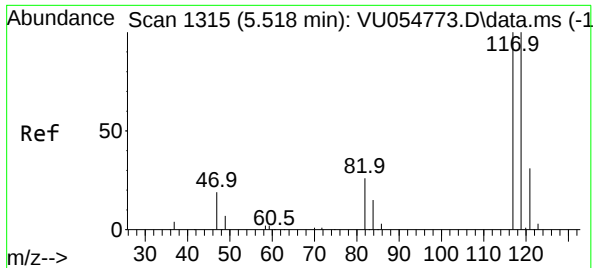
Ion Ratio Lower Upper

56 100

69 31.1 25.0 37.4

84 84.2 66.7 100.1

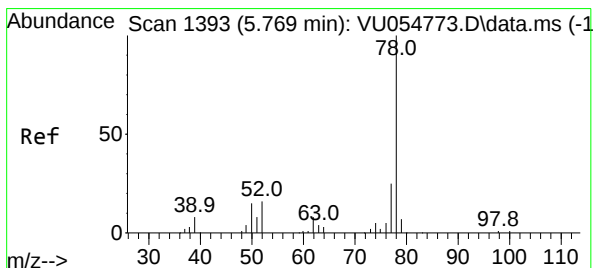
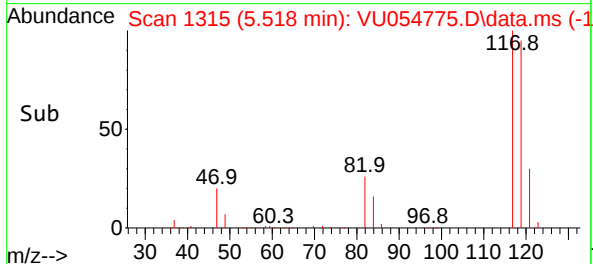
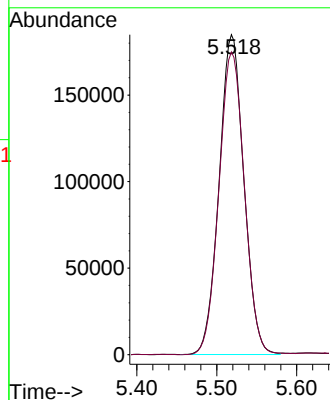
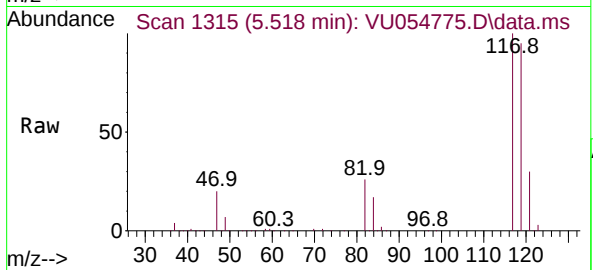




#31
Carbon tetrachloride
Concen: 21.329 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VU054775.D
Acq: 07 Jul 2023 10:47

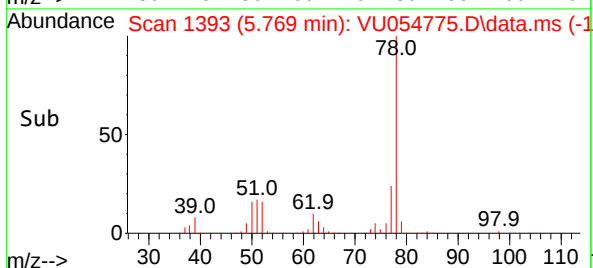
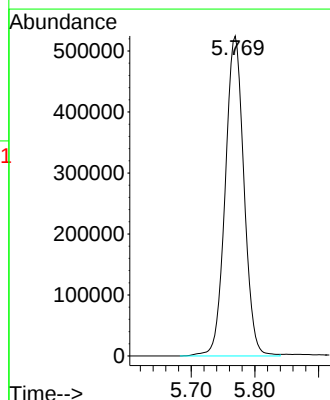
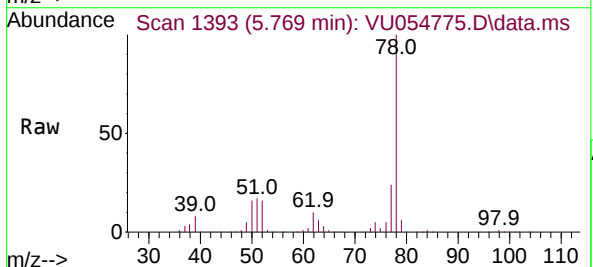
Instrument :
MSVOA_U
ClientSampleId :
VSTD020041

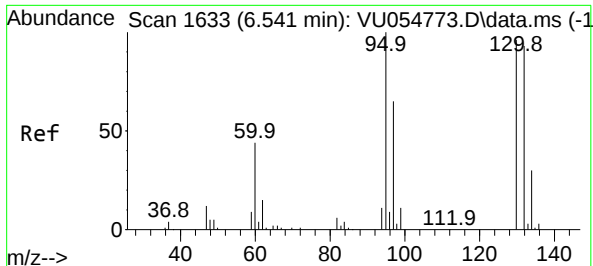
Tgt Ion:117 Resp: 397009
Ion Ratio Lower Upper
117 100
119 97.6 77.5 116.3



#33
Benzene
Concen: 22.155 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.000 min
Lab File: VU054775.D
Acq: 07 Jul 2023 10:47

Tgt Ion: 78 Resp: 1072038





#34

Trichloroethene

Concen: 21.294 ug/L

RT: 6.537 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU054775.D

Acq: 07 Jul 2023 10:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD020041

Tgt Ion: 95 Resp: 288432

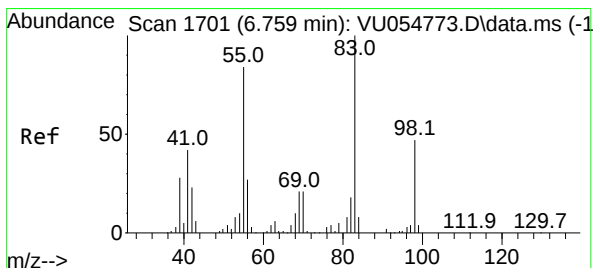
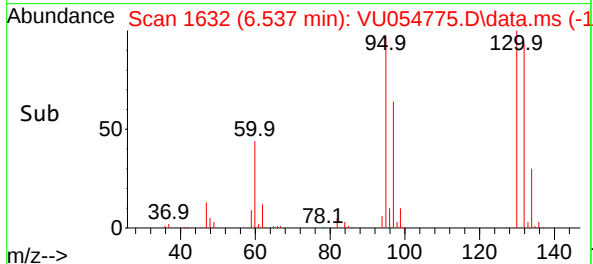
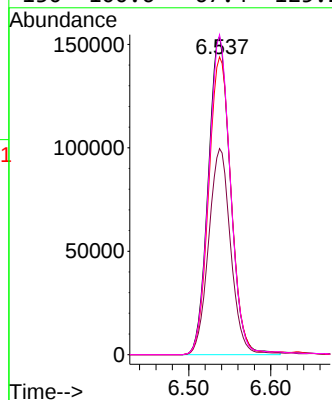
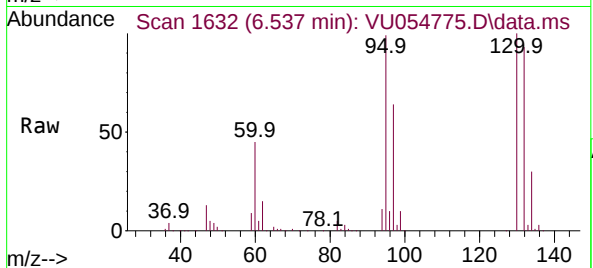
Ion Ratio Lower Upper

95 100

97 64.8 45.5 84.5

132 93.6 65.4 121.4

130 100.6 67.4 125.2



#35

Methylcyclohexane

Concen: 23.704 ug/L

RT: 6.759 min Scan# 1701

Delta R.T. 0.000 min

Lab File: VU054775.D

Acq: 07 Jul 2023 10:47

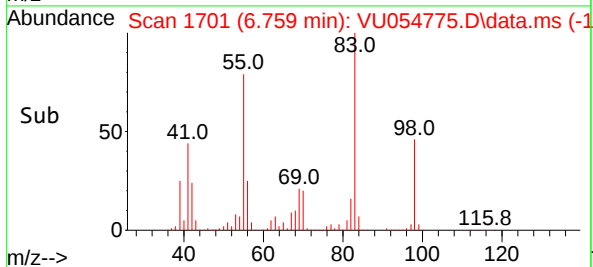
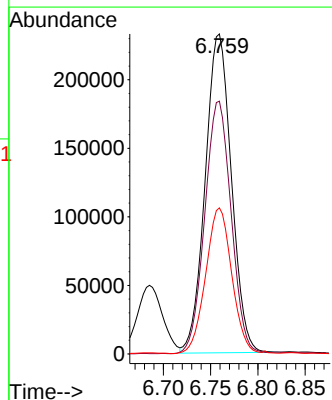
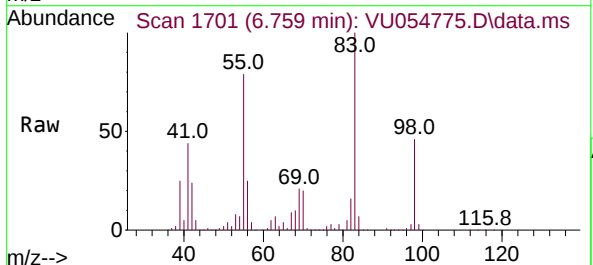
Tgt Ion: 83 Resp: 448929

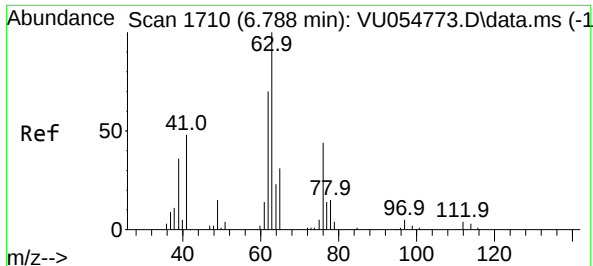
Ion Ratio Lower Upper

83 100

55 79.6 65.8 98.6

98 45.4 36.6 54.8

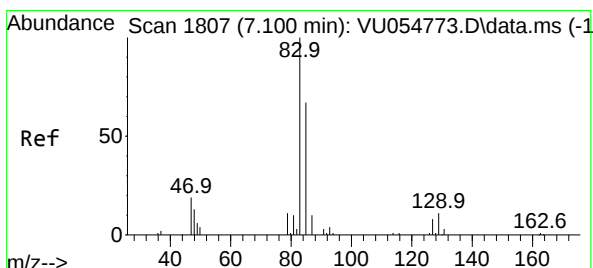
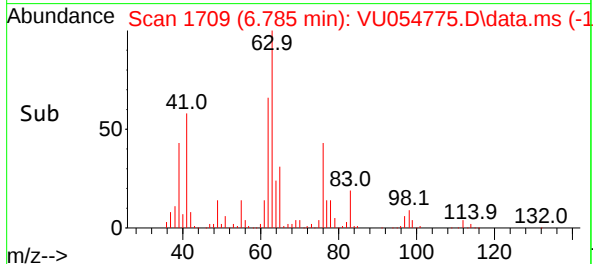
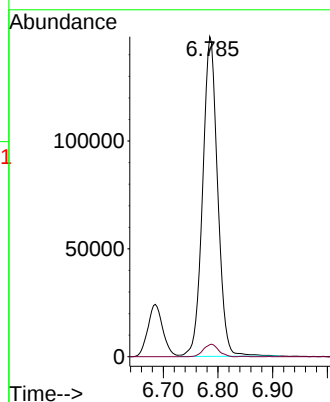
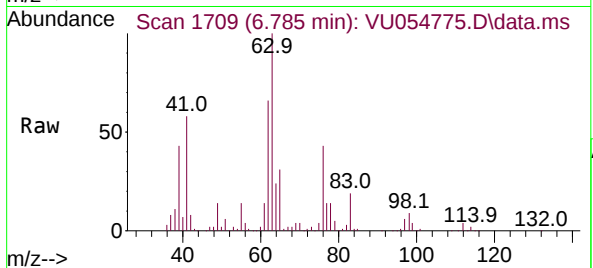




#37
1,2-Dichloropropane
Concen: 22.223 ug/L
RT: 6.785 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU054775.D
Acq: 07 Jul 2023 10:47

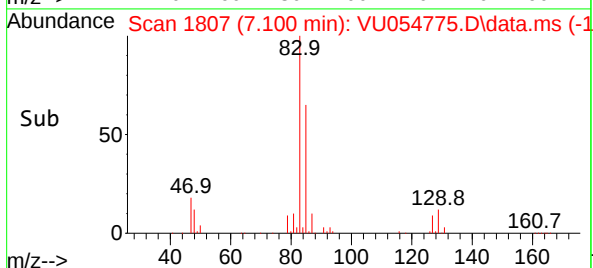
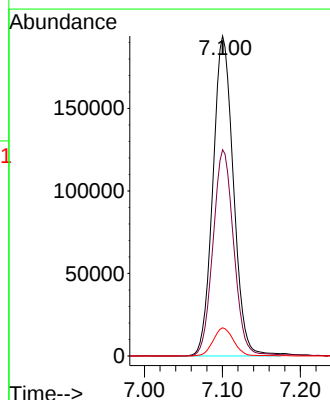
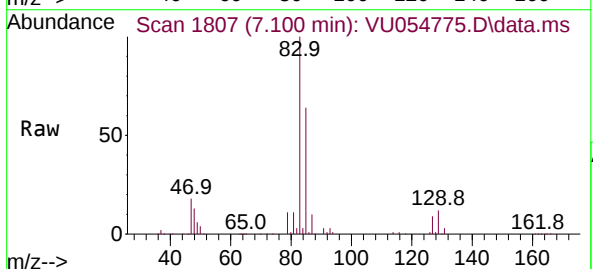
Instrument :
MSVOA_U
ClientSampleId :
VSTD020041

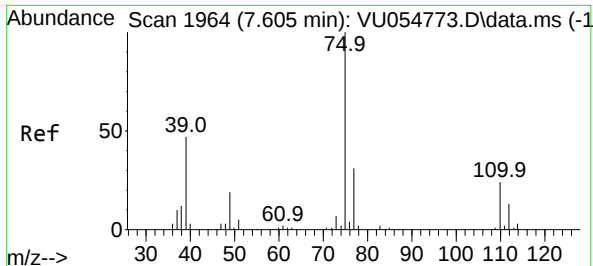
Tgt Ion: 63 Resp: 282200
Ion Ratio Lower Upper
63 100
112 3.9 2.6 4.0



#38
Bromodichloromethane
Concen: 21.787 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VU054775.D
Acq: 07 Jul 2023 10:47

Tgt Ion: 83 Resp: 355431
Ion Ratio Lower Upper
83 100
85 64.5 46.7 86.7
127 8.8 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 23.355 ug/L

RT: 7.602 min Scan# 1964

Delta R.T. -0.003 min

Lab File: VU054775.D

Acq: 07 Jul 2023 10:47

Instrument :

MSVOA_U

ClientSampleId :

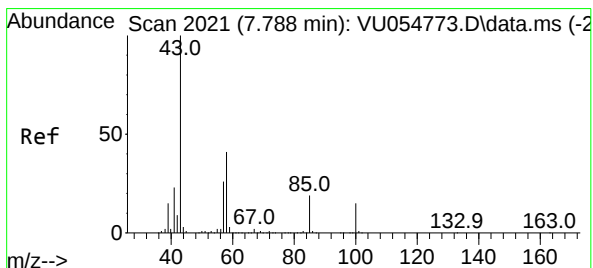
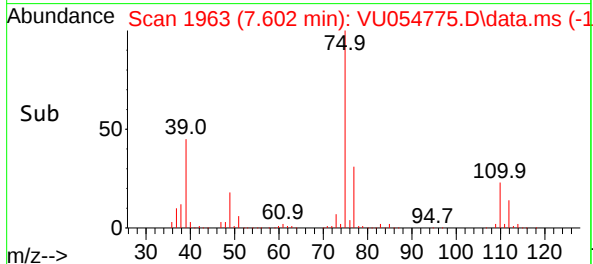
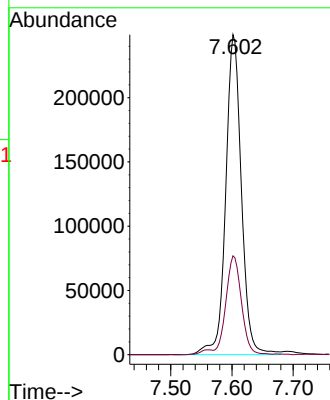
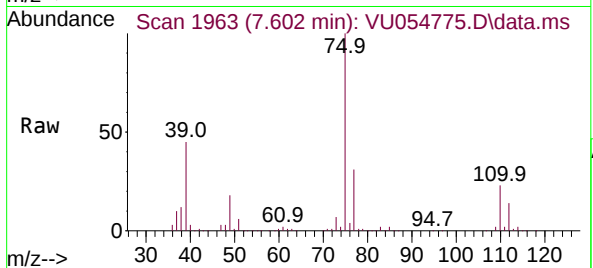
VSTD020041

Tgt Ion: 75 Resp: 443651

Ion Ratio Lower Upper

75 100

77 30.9 21.3 39.6



#40

4-Methyl-2-pentanone

Concen: 232.564 ug/L

RT: 7.788 min Scan# 2021

Delta R.T. 0.000 min

Lab File: VU054775.D

Acq: 07 Jul 2023 10:47

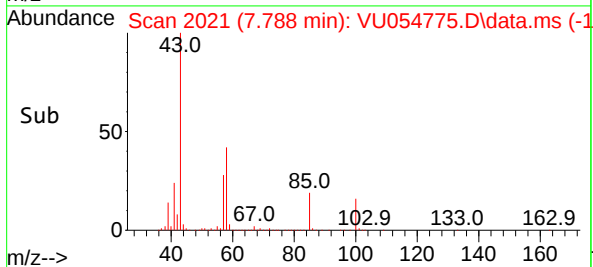
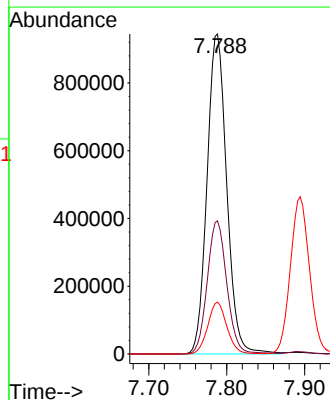
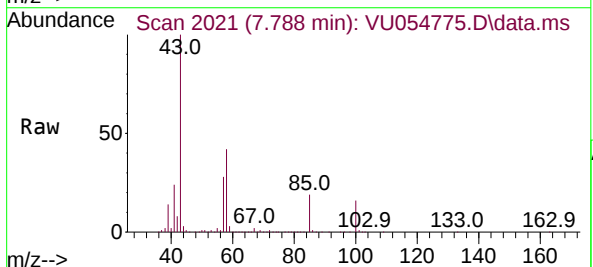
Tgt Ion: 43 Resp: 1655189

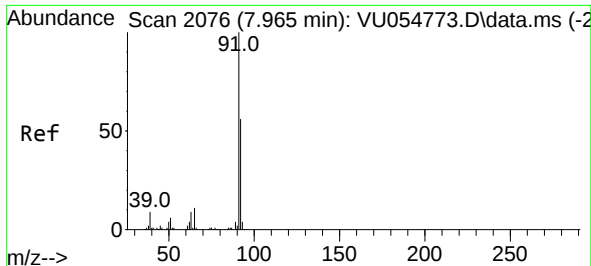
Ion Ratio Lower Upper

43 100

58 41.5 32.6 48.8

100 15.7 12.5 18.7





#42

Toluene

Concen: 22.752 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU054775.D

Acq: 07 Jul 2023 10:47

Instrument :

MSVOA_U

ClientSampleId :

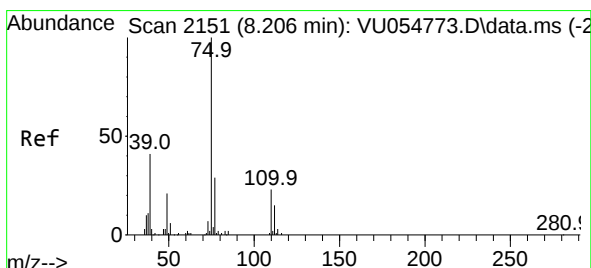
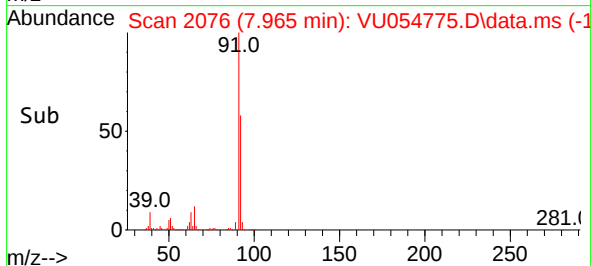
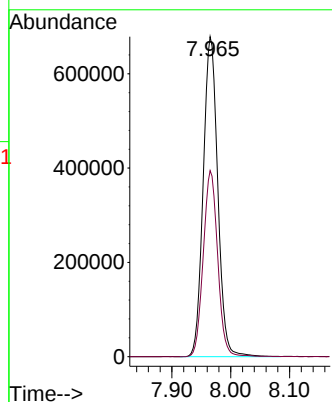
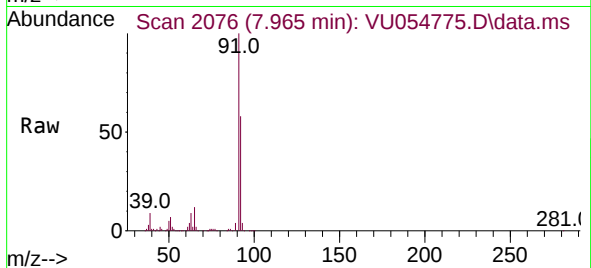
VSTD020041

Tgt Ion: 91 Resp: 1166837

Ion Ratio Lower Upper

91 100

92 58.1 39.1 72.5



#44

trans-1,3-Dichloropropene

Concen: 22.856 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU054775.D

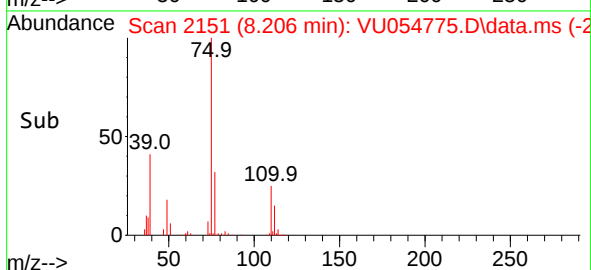
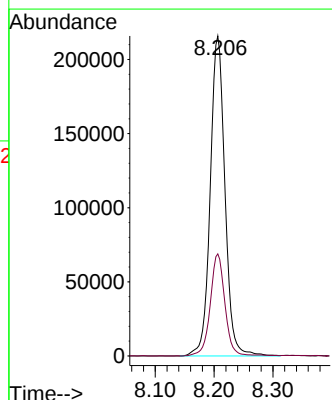
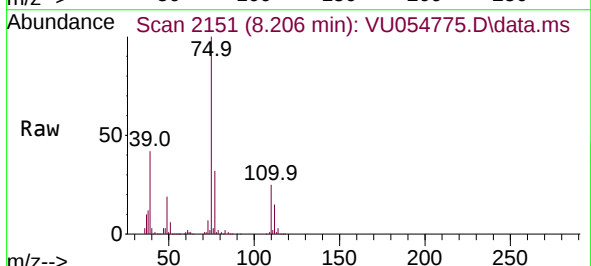
Acq: 07 Jul 2023 10:47

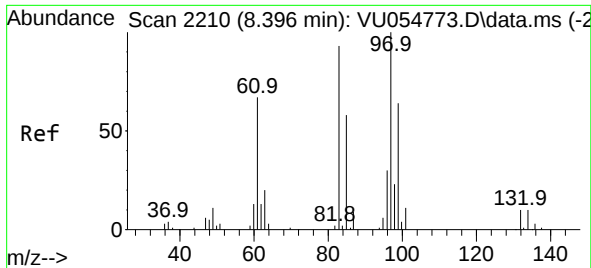
Tgt Ion: 75 Resp: 375370

Ion Ratio Lower Upper

75 100

77 31.9 20.2 37.6



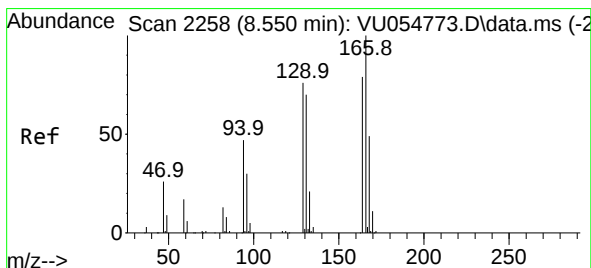
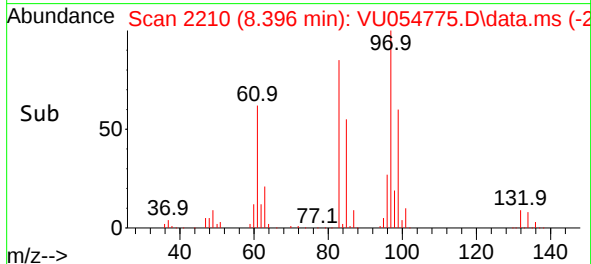
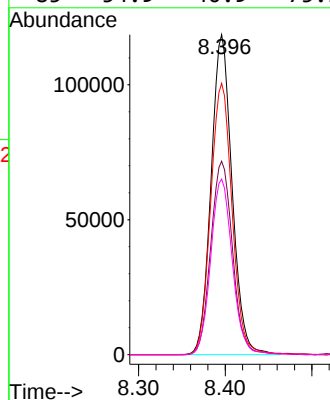
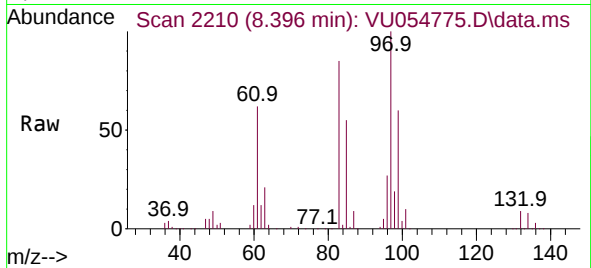


#45
1,1,2-Trichloroethane
Concen: 21.968 ug/L
RT: 8.396 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054775.D
Acq: 07 Jul 2023 10:47

Instrument :
MSVOA_U
ClientSampleId :
VSTD020041

Tgt Ion: 97 Resp: 199759

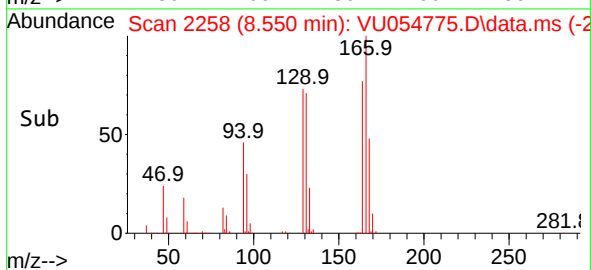
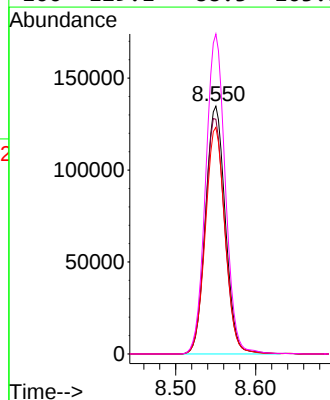
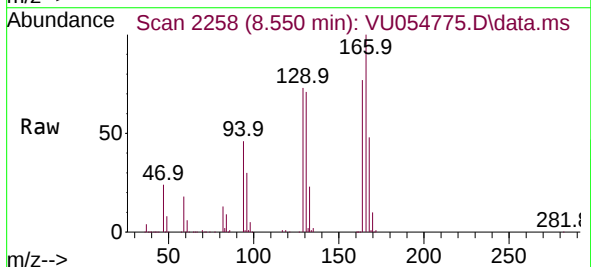
Ion	Ratio	Lower	Upper
97	100		
99	60.5	44.7	83.1
83	84.8	65.2	121.0
85	54.9	40.9	75.9

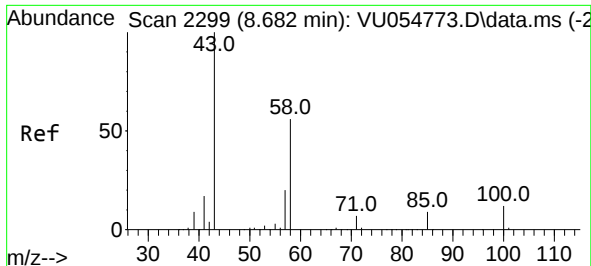


#47
Tetrachloroethene
Concen: 21.190 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VU054775.D
Acq: 07 Jul 2023 10:47

Tgt Ion: 164 Resp: 232453

Ion	Ratio	Lower	Upper
164	100		
129	94.7	66.6	123.8
131	91.4	61.5	114.3
166	129.1	88.3	163.9



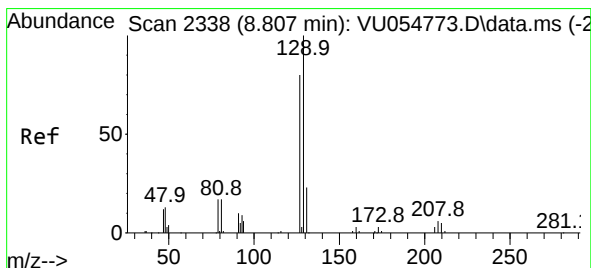
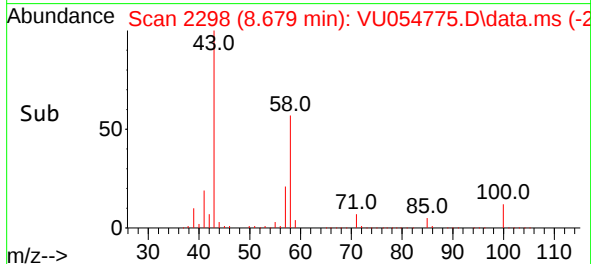
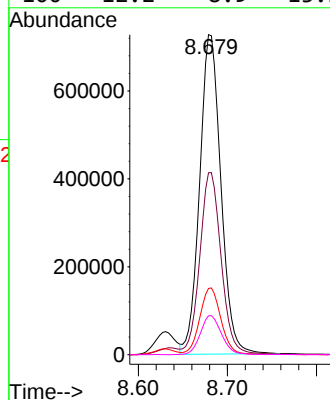
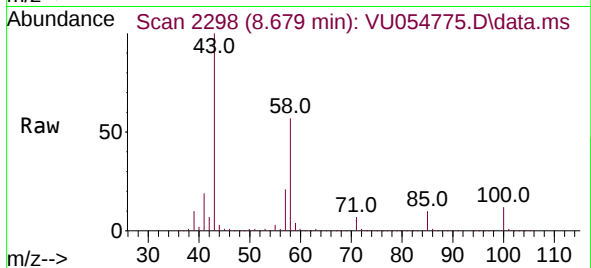


#48
2-Hexanone
Concen: 235.557 ug/L
RT: 8.679 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU054775.D
Acq: 07 Jul 2023 10:47

Instrument :
MSVOA_U
ClientSampleId :
VSTD020041

Tgt Ion: 43 Resp: 1207217

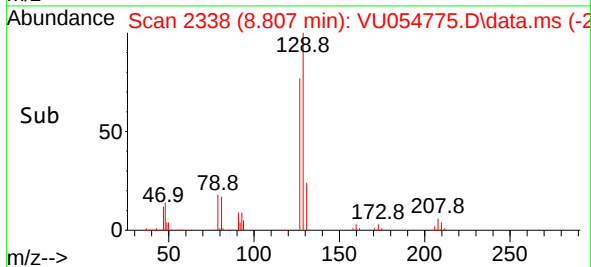
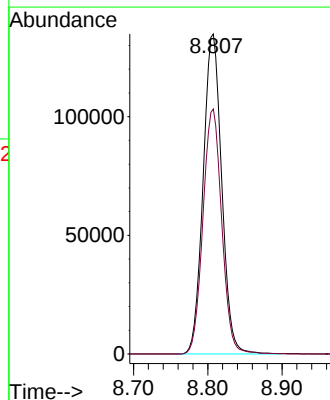
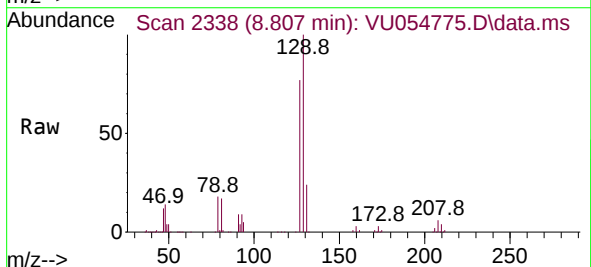
Ion	Ratio	Lower	Upper
43	100		
58	57.3	45.2	67.8
57	21.0	15.7	23.5
100	12.2	8.9	13.3

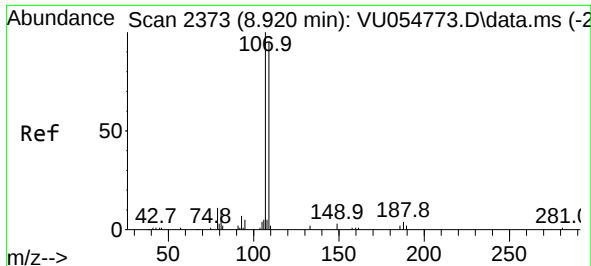


#49
Dibromochloromethane
Concen: 22.088 ug/L
RT: 8.807 min Scan# 2338
Delta R.T. 0.000 min
Lab File: VU054775.D
Acq: 07 Jul 2023 10:47

Tgt Ion: 129 Resp: 233779

Ion	Ratio	Lower	Upper
129	100		
127	76.6	55.6	103.4





#50

1,2-Dibromoethane

Concen: 22.328 ug/L

RT: 8.920 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU054775.D

Acq: 07 Jul 2023 10:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD020041

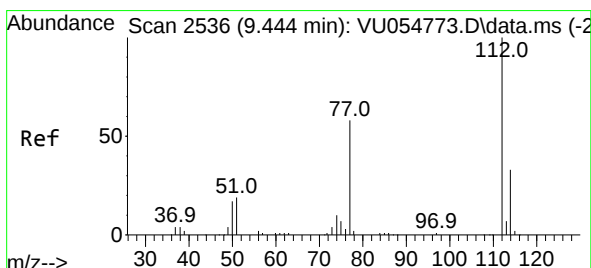
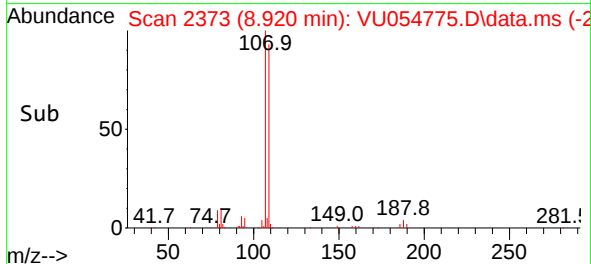
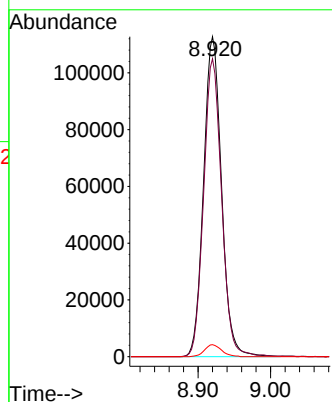
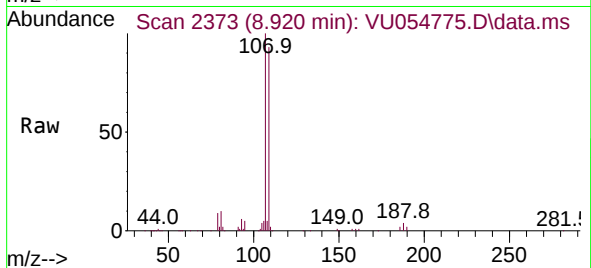
Tgt Ion:107 Resp: 193730

Ion Ratio Lower Upper

107 100

109 93.1 66.5 123.5

188 3.8 3.3 4.9



#51

Chlorobenzene

Concen: 22.064 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. 0.000 min

Lab File: VU054775.D

Acq: 07 Jul 2023 10:47

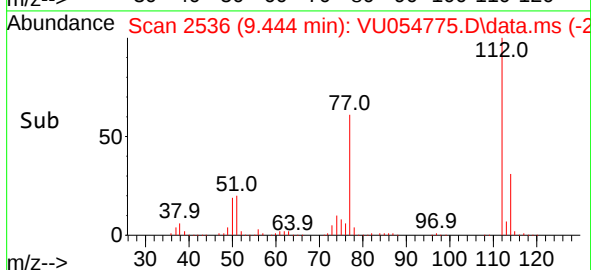
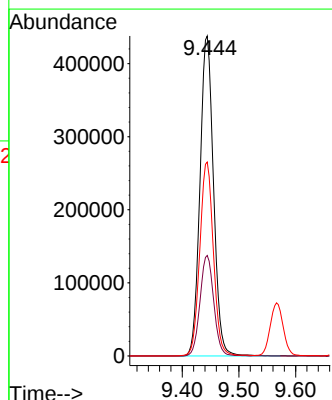
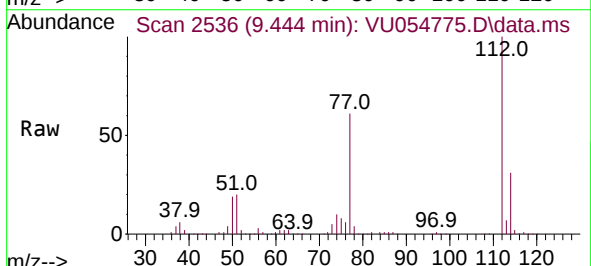
Tgt Ion:112 Resp: 724832

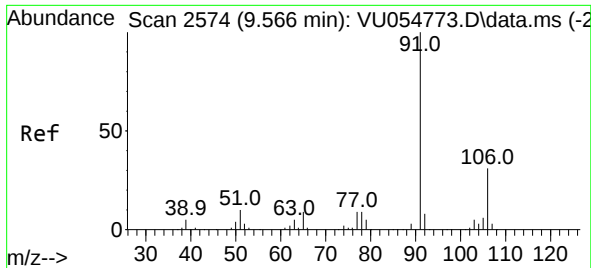
Ion Ratio Lower Upper

112 100

114 31.4 22.9 42.5

77 60.6 47.3 70.9

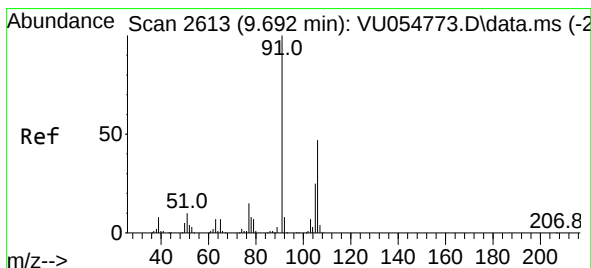
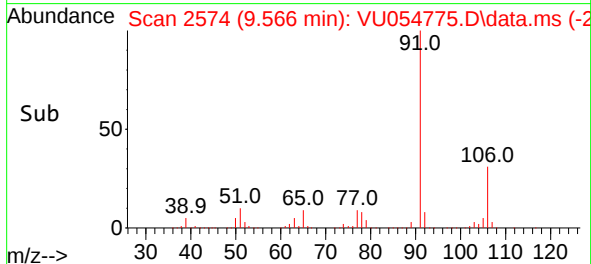
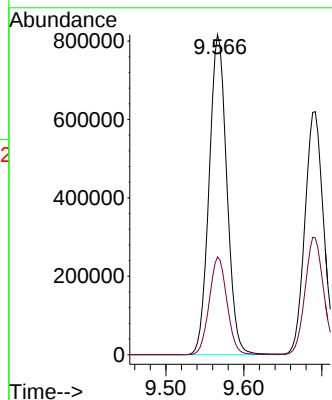
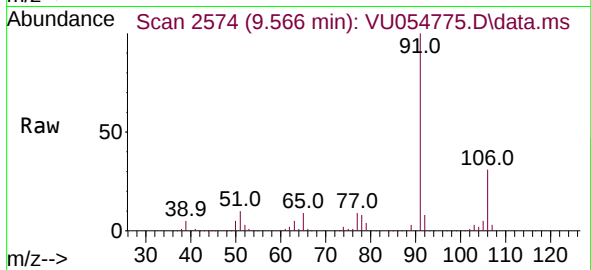




#52
Ethylbenzene
Concen: 23.470 ug/L
RT: 9.566 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054775.D
Acq: 07 Jul 2023 10:47

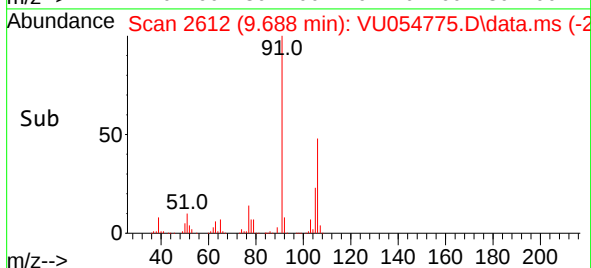
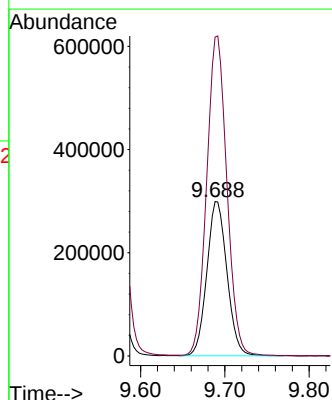
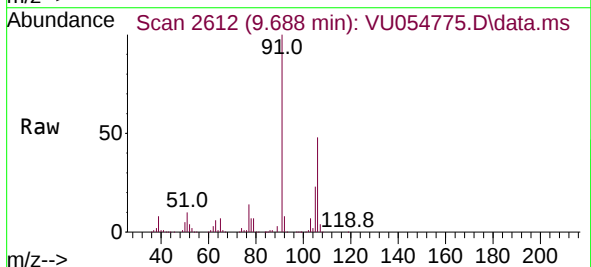
Instrument :
MSVOA_U
ClientSampleId :
VSTD020041

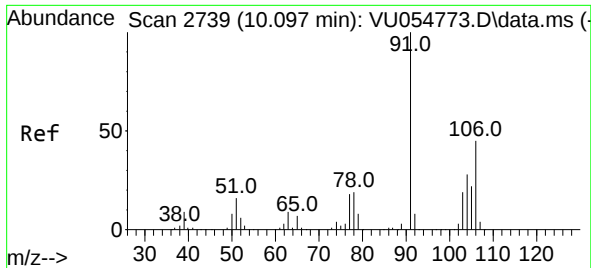
Tgt Ion: 91 Resp: 1288549
Ion Ratio Lower Upper
91 100
106 30.5 21.6 40.0



#53
m,p-Xylene
Concen: 23.634 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. -0.003 min
Lab File: VU054775.D
Acq: 07 Jul 2023 10:47

Tgt Ion:106 Resp: 495659
Ion Ratio Lower Upper
106 100
91 206.5 148.8 276.4

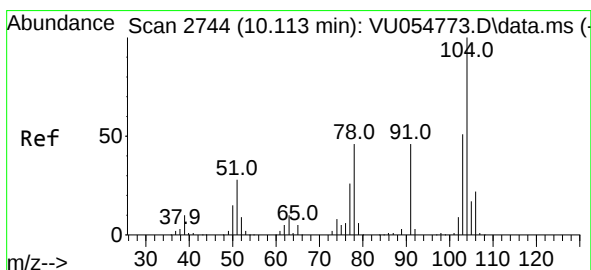
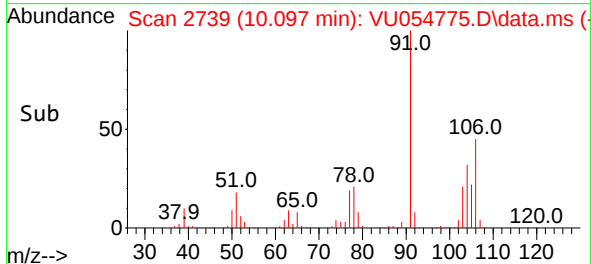
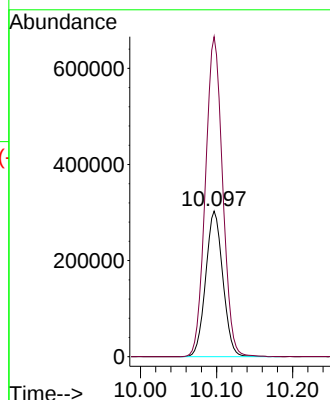
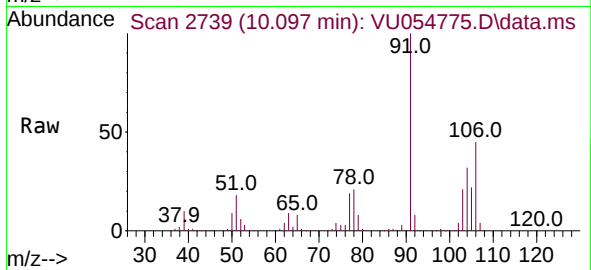




#54
o-Xylene
Concen: 24.226 ug/L
RT: 10.097 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054775.D
Acq: 07 Jul 2023 10:47

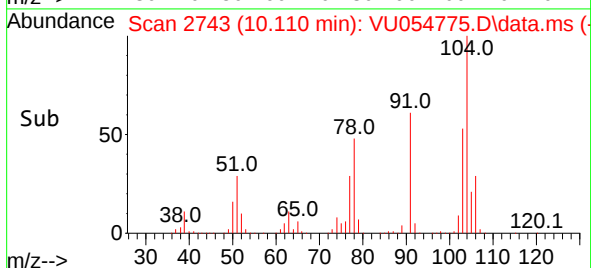
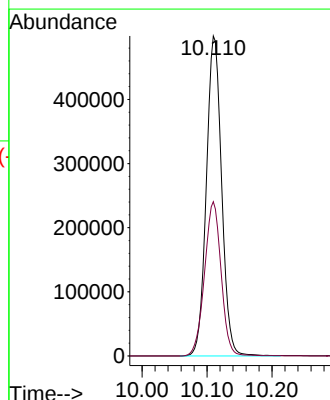
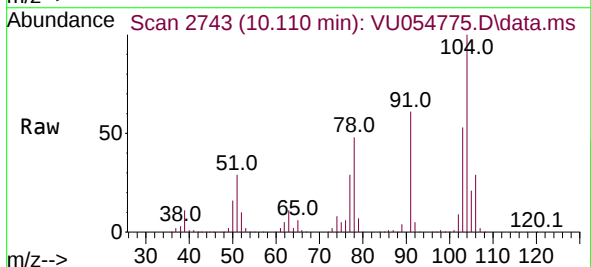
Instrument :
MSVOA_U
ClientSampleId :
VSTD020041

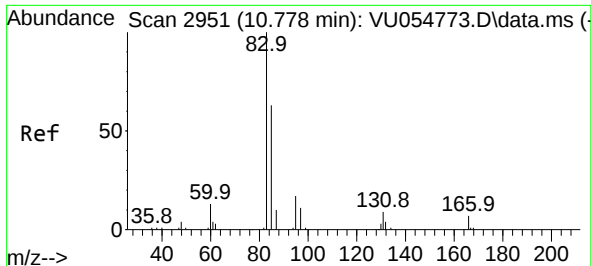
Tgt Ion:106 Resp: 474536
Ion Ratio Lower Upper
106 100
91 219.9 156.8 291.2



#55
Styrene
Concen: 24.695 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. -0.003 min
Lab File: VU054775.D
Acq: 07 Jul 2023 10:47

Tgt Ion:104 Resp: 817890
Ion Ratio Lower Upper
104 100
78 48.2 32.5 60.3



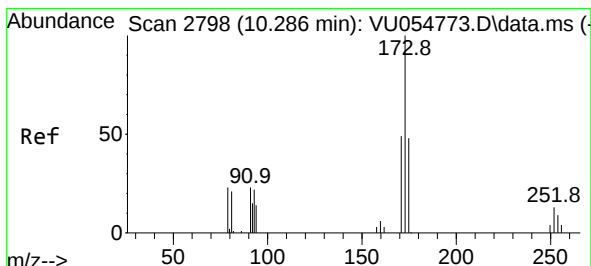
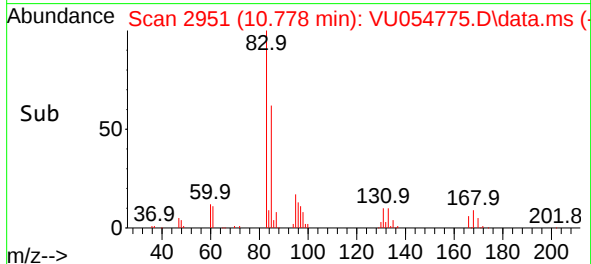
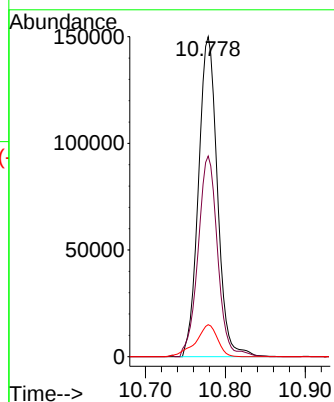
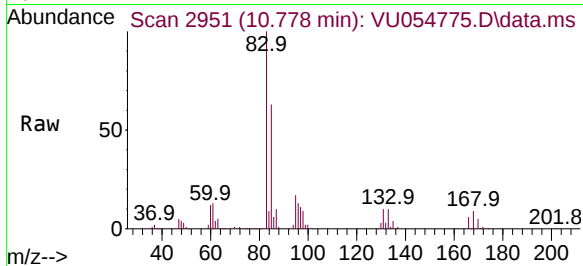


#57
 1,1,2,2-Tetrachloroethane
 Concen: 22.280 ug/L
 RT: 10.778 min Scan# 2951
 Delta R.T. 0.000 min
 Lab File: VU054775.D
 Acq: 07 Jul 2023 10:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020041

Tgt Ion: 83 Resp: 247009

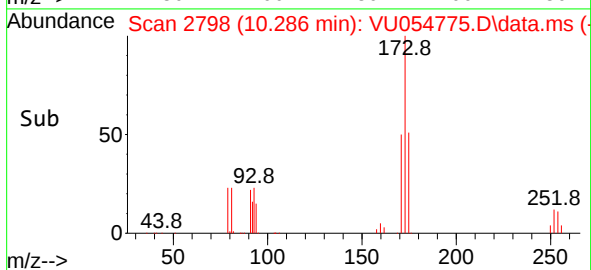
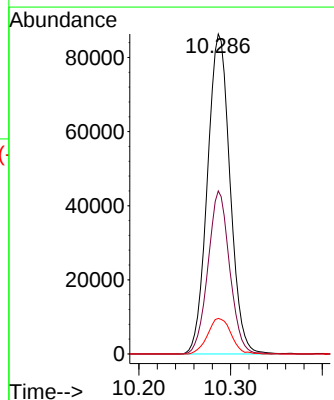
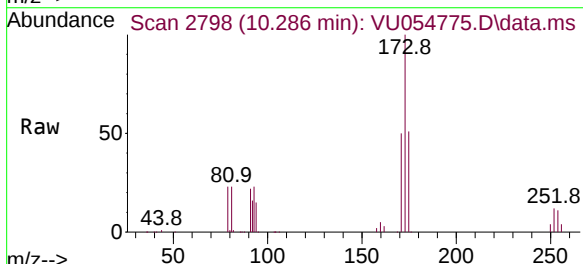
Ion	Ratio	Lower	Upper
83	100		
85	62.7	45.5	84.5
131	10.0	8.6	13.0

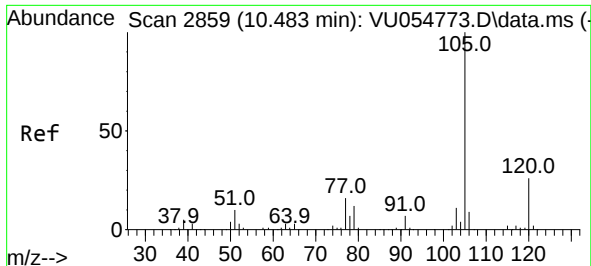


#59
 Bromoform
 Concen: 20.791 ug/L
 RT: 10.286 min Scan# 2798
 Delta R.T. 0.000 min
 Lab File: VU054775.D
 Acq: 07 Jul 2023 10:47

Tgt Ion: 173 Resp: 147643

Ion	Ratio	Lower	Upper
173	100		
175	48.8	38.1	57.1
254	11.5	7.8	11.6

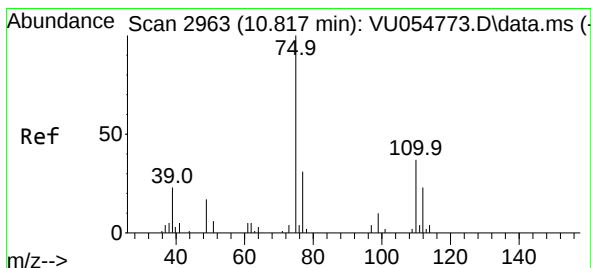
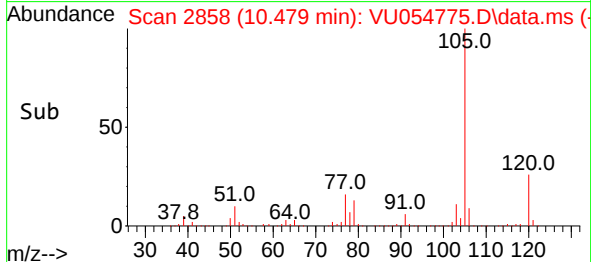
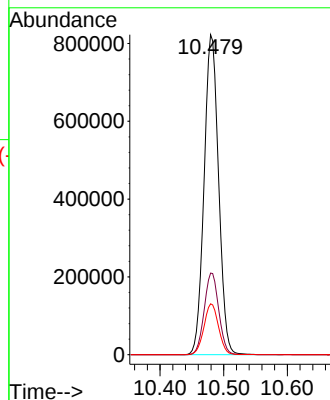
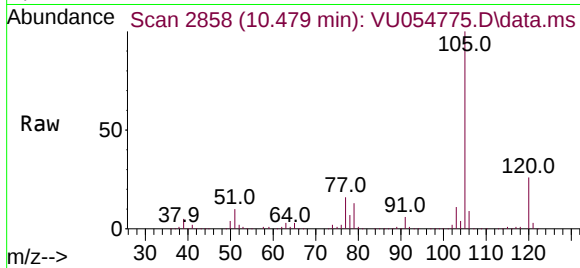




#60
Isopropylbenzene
Concen: 23.099 ug/L
RT: 10.479 min Scan# 2859
Delta R.T. -0.003 min
Lab File: VU054775.D
Acq: 07 Jul 2023 10:47

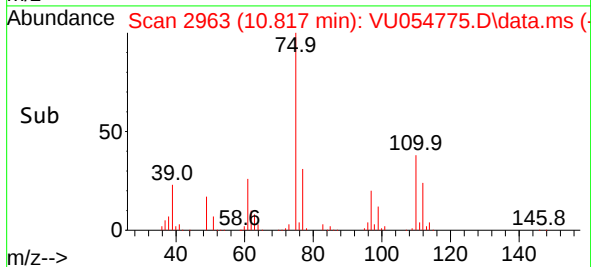
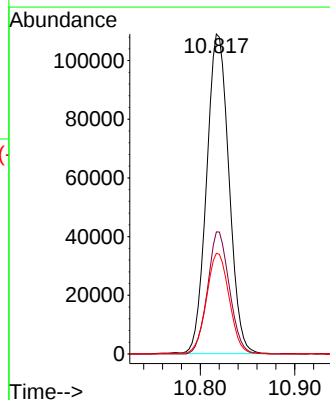
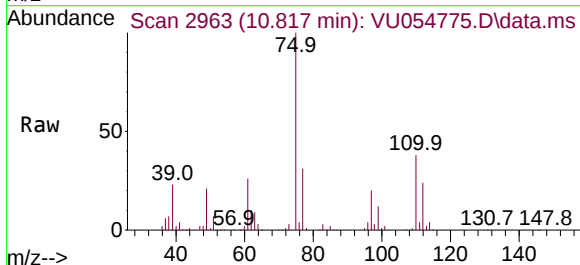
Instrument :
MSVOA_U
ClientSampleId :
VSTD020041

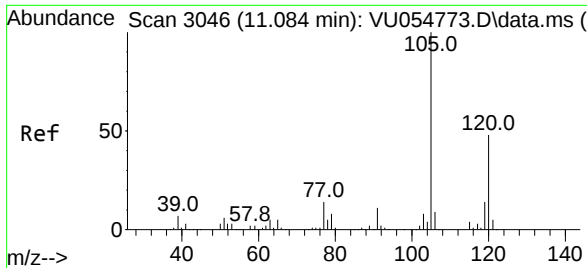
Tgt Ion:105 Resp: 1301039
Ion Ratio Lower Upper
105 100
120 25.7 20.8 31.2
77 16.1 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 20.211 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. 0.000 min
Lab File: VU054775.D
Acq: 07 Jul 2023 10:47

Tgt Ion: 75 Resp: 178781
Ion Ratio Lower Upper
75 100
110 37.5 29.8 44.6
77 32.2 26.6 39.8

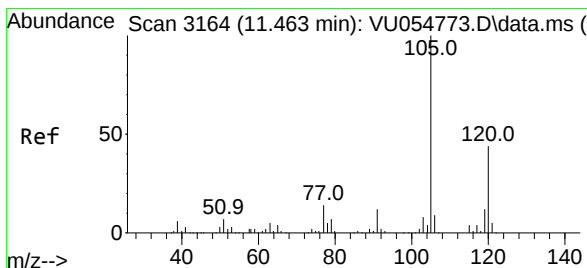
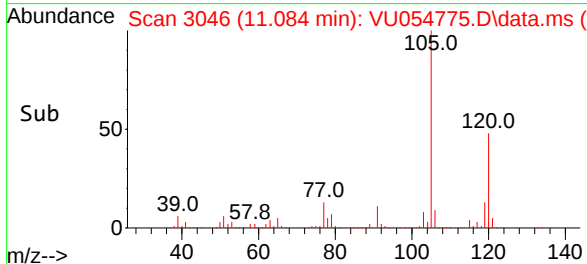
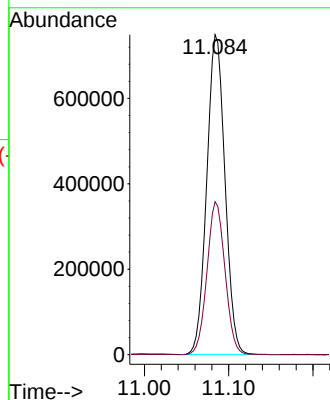
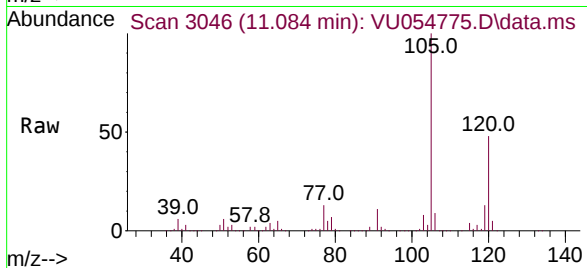




#62
1,3,5-Trimethylbenzene
Concen: 24.082 ug/L
RT: 11.084 min Scan# 3046
Delta R.T. 0.000 min
Lab File: VU054775.D
Acq: 07 Jul 2023 10:47

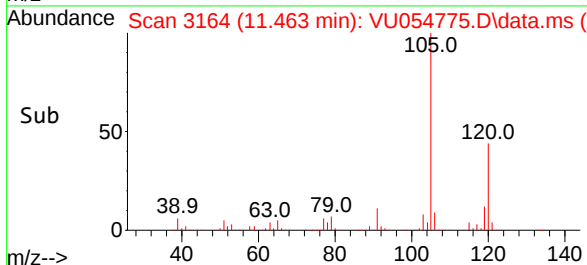
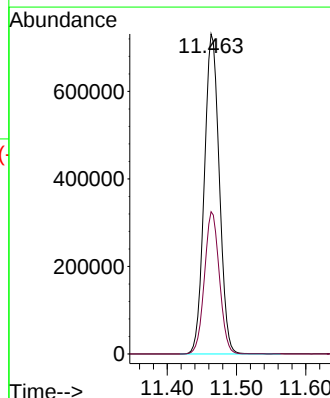
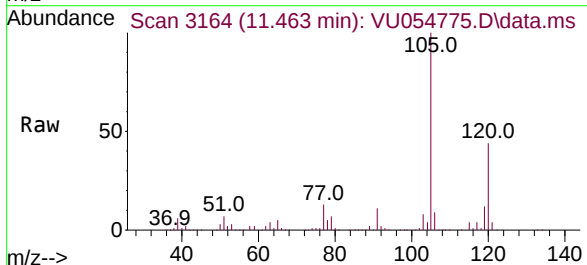
Instrument :
MSVOA_U
ClientSampleId :
VSTD020041

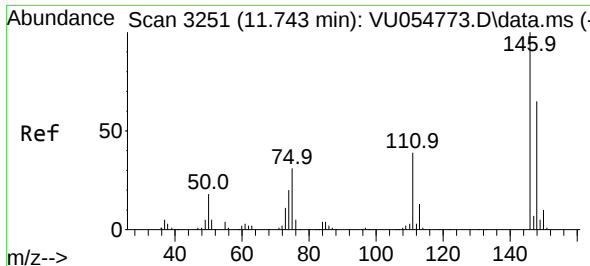
Tgt Ion:105 Resp: 1125251
Ion Ratio Lower Upper
105 100
120 47.3 38.6 58.0



#63
1,2,4-Trimethylbenzene
Concen: 24.552 ug/L
RT: 11.463 min Scan# 3164
Delta R.T. 0.000 min
Lab File: VU054775.D
Acq: 07 Jul 2023 10:47

Tgt Ion:105 Resp: 1096292
Ion Ratio Lower Upper
105 100
120 44.2 35.2 52.8

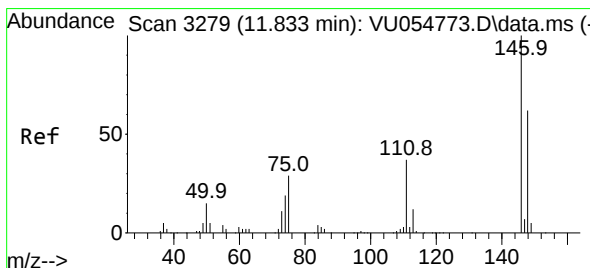
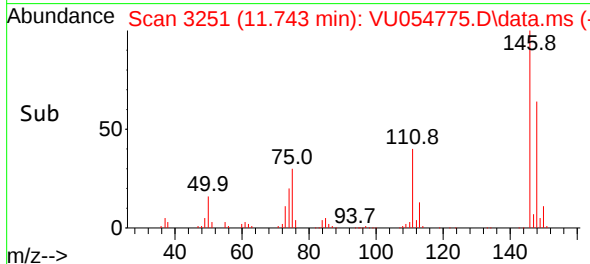
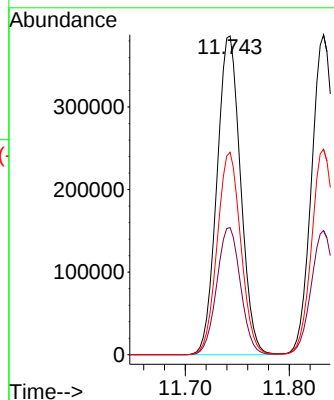
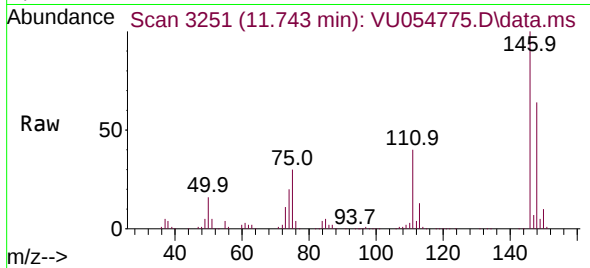




#64
1,3-Dichlorobenzene
Concen: 21.517 ug/L
RT: 11.743 min Scan# 3251
Delta R.T. 0.000 min
Lab File: VU054775.D
Acq: 07 Jul 2023 10:47

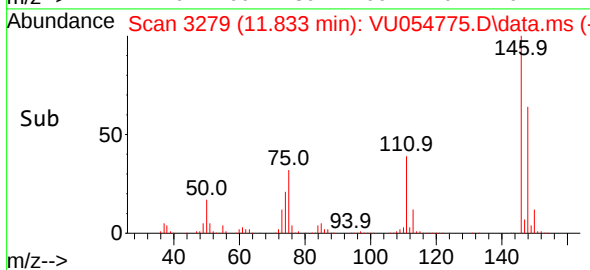
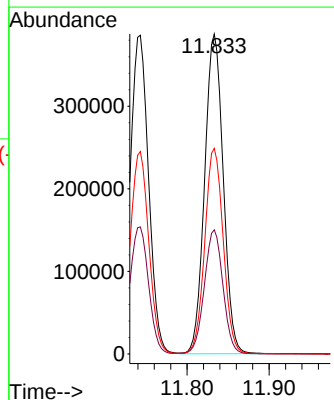
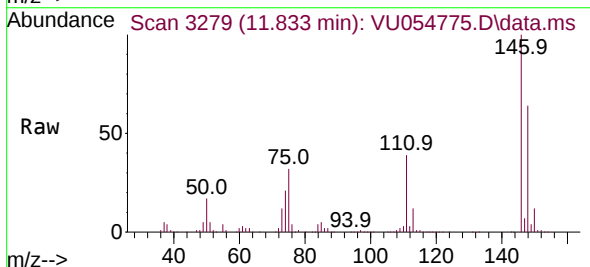
Instrument :
MSVOA_U
ClientSampleId :
VSTD020041

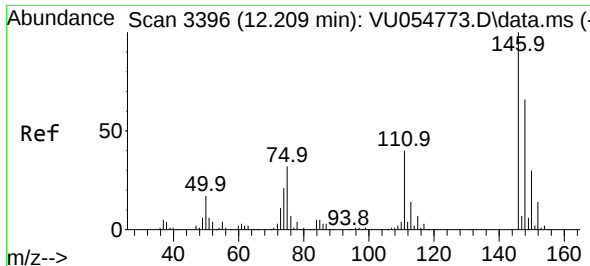
Tgt Ion:146 Resp: 610291
Ion Ratio Lower Upper
146 100
111 39.9 27.5 51.1
148 63.5 45.5 84.5



#65
1,4-Dichlorobenzene
Concen: 21.578 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.000 min
Lab File: VU054775.D
Acq: 07 Jul 2023 10:47

Tgt Ion:146 Resp: 609615
Ion Ratio Lower Upper
146 100
111 38.8 25.7 47.7
148 64.3 43.7 81.1





#67

1,2-Dichlorobenzene

Concen: 21.834 ug/L

RT: 12.209 min Scan# 3396

Delta R.T. 0.000 min

Lab File: VU054775.D

Acq: 07 Jul 2023 10:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD020041

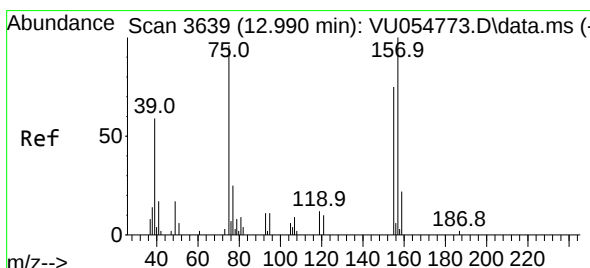
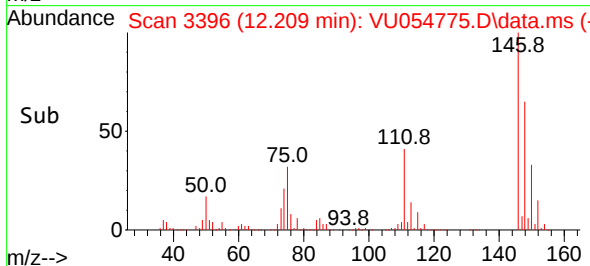
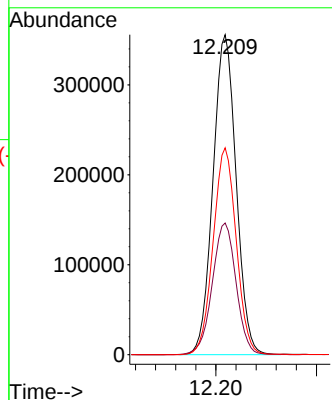
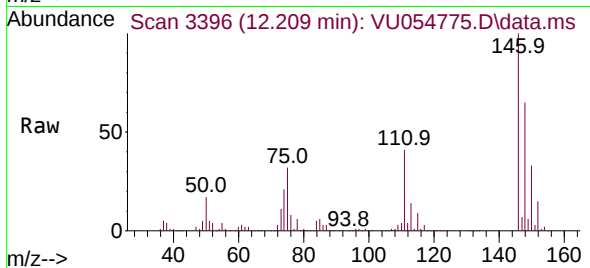
Tgt Ion:146 Resp: 569189

Ion Ratio Lower Upper

146 100

111 41.1 32.4 48.6

148 64.7 53.2 79.8



#68

1,2-Dibromo-3-chloropropane

Concen: 20.142 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.000 min

Lab File: VU054775.D

Acq: 07 Jul 2023 10:47

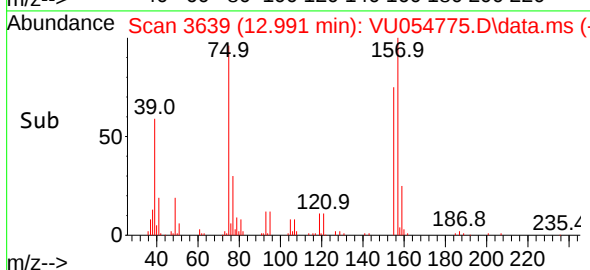
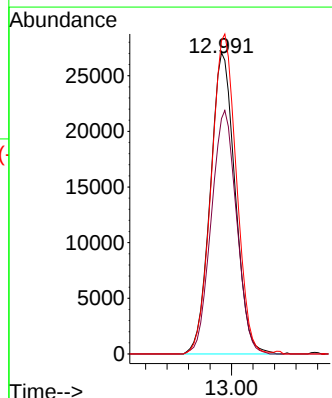
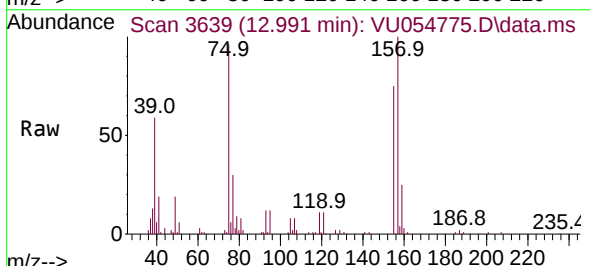
Tgt Ion: 75 Resp: 43355

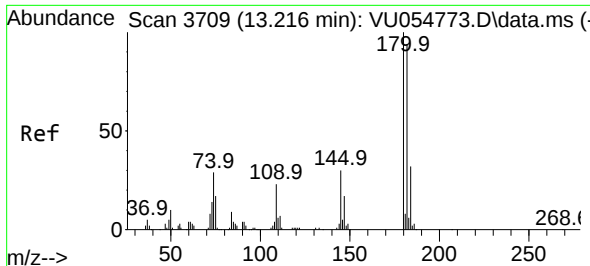
Ion Ratio Lower Upper

75 100

155 78.1 62.9 94.3

157 104.0 83.4 125.0

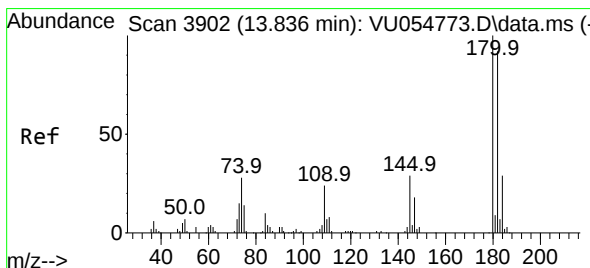
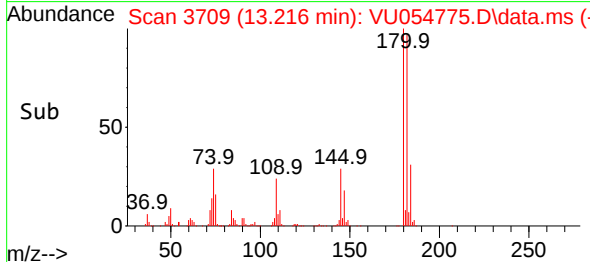
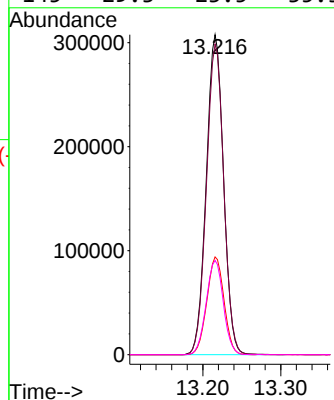
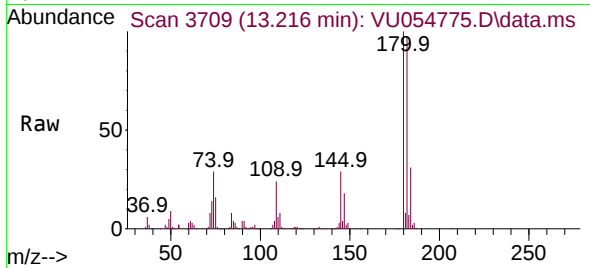




#69
 1,3,5-Trichlorobenzene
 Concen: 22.325 ug/L
 RT: 13.216 min Scan# 3709
 Delta R.T. 0.000 min
 Lab File: VU054775.D
 Acq: 07 Jul 2023 10:47

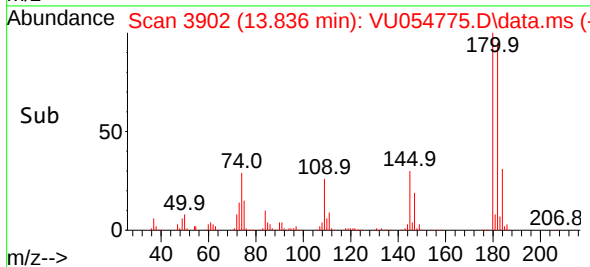
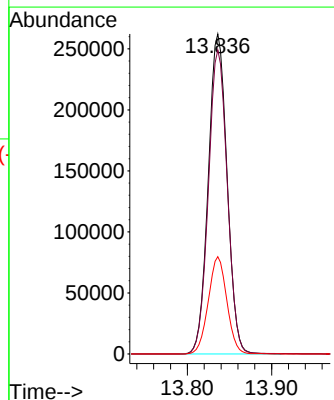
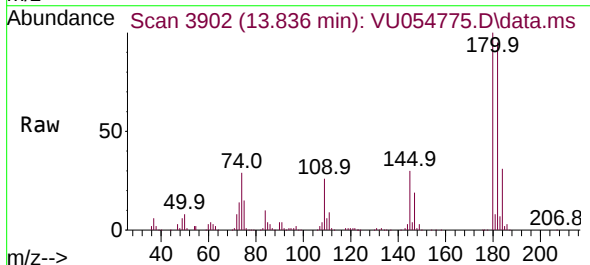
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020041

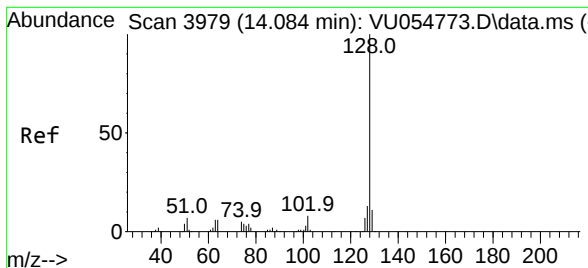
Tgt Ion:180	Resp:	473282
Ion Ratio	Lower	Upper
180	100	
182	97.1	74.6 111.8
184	30.4	24.9 37.3
145	29.3	23.5 35.3



#70
 1,2,4-trichlorobenzene
 Concen: 23.910 ug/L
 RT: 13.836 min Scan# 3902
 Delta R.T. 0.000 min
 Lab File: VU054775.D
 Acq: 07 Jul 2023 10:47

Tgt Ion:180	Resp:	407275
Ion Ratio	Lower	Upper
180	100	
182	95.4	76.5 114.7
145	30.0	23.4 35.2

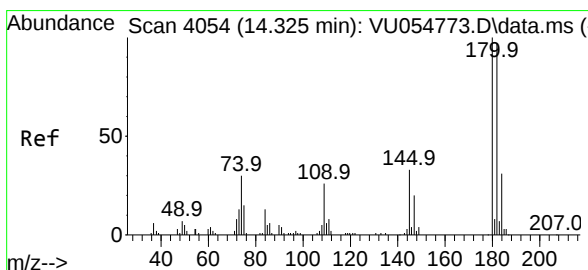
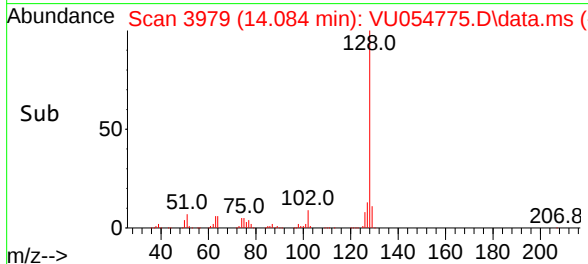
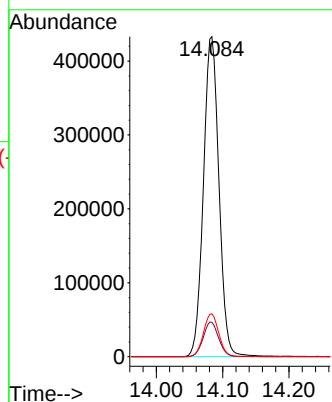
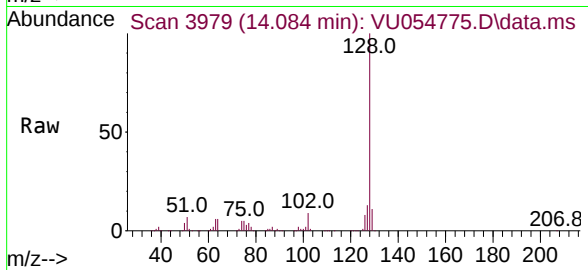




#71
Naphthalene
Concen: 26.139 ug/L
RT: 14.084 min Scan# 3979
Delta R.T. 0.000 min
Lab File: VU054775.D
Acq: 07 Jul 2023 10:47

Instrument :
MSVOA_U
ClientSampleId :
VSTD020041

Tgt Ion:128 Resp: 703104
Ion Ratio Lower Upper
128 100
129 10.9 8.3 12.5
127 13.3 10.3 15.5



#72
1,2,3-Trichlorobenzene
Concen: 24.249 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. 0.000 min
Lab File: VU054775.D
Acq: 07 Jul 2023 10:47

Tgt Ion:180 Resp: 369326
Ion Ratio Lower Upper
180 100
182 95.7 76.9 115.3
145 31.3 25.4 38.0

