

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041823\
 Data File : VU053752.D
 Acq On : 18 Apr 2023 11:04
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005153

Quant Time: Apr 19 04:52:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Apr 18 00:19:36 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	141478	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	132912	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	72277	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	52834	5.429	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	= 108.600%		
7) Chloroethane-d5	1.912	69	47385	5.364	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	= 107.200%		
11) 1,1-Dichloroethene-d2	2.565	65	19666	4.743	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	= 94.800%		
20) 2-Butanone-d5	4.623	46	110546	49.580	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	= 99.160%		
24) Chloroform-d	5.060	84	98654	5.468	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 109.400%		
26) 1,2-Dichloroethane-d4	5.697	65	48214	5.214	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 104.200%		
32) Benzene-d6	5.723	84	190445	5.056	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 101.200%		
36) 1,2-Dichloropropane-d6	6.687	67	60939	5.309	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	= 106.200%		
41) Toluene-d8	7.896	98	178412	5.021	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 100.400%		
43) trans-1,3-Dichloroprop...	8.176	79	24273	5.511	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	= 110.200%		
46) 2-Hexanone-d5	8.629	63	94708	52.938	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	= 105.880%		
56) 1,1,2,2-Tetrachloroeth...	10.755	84	50058	5.240	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	= 104.800%		
66) 1,2-Dichlorobenzene-d4	12.192	152	70551	5.426	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	= 108.600%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	51181	5.041	ug/L	98
3) Chloromethane	1.520	50	47553	4.656	ug/L	97
5) Vinyl chloride	1.604	62	58577	5.086	ug/L	96
6) Bromomethane	1.858	94	34704	4.758	ug/L	96
8) Chloroethane	1.932	64	35452	5.296	ug/L	97
9) Trichlorofluoromethane	2.138	101	84472	4.857	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	50475	5.726	ug/L	96
12) 1,1-Dichloroethene	2.578	96	40206	5.019	ug/L	99
13) Acetone	2.636	43	73401	55.473	ug/L #	46
14) Carbon disulfide	2.790	76	96471	4.103	ug/L	97
15) Methyl Acetate	2.951	43	14209	4.578	ug/L	98
16) Methylene chloride	3.044	84	47058	4.473	ug/L	99
17) Methyl tert-butyl Ether	3.359	73	96108	4.949	ug/L	100
18) trans-1,2-Dichloroethene	3.350	96	40442	4.861	ug/L	94
19) 1,1-Dichloroethane	3.867	63	77349	5.046	ug/L	98
21) 2-Butanone	4.703	43	99953	48.648	ug/L	97
22) cis-1,2-Dichloroethene	4.662	96	48715	4.346	ug/L	93
23) Bromochloromethane	4.970	128	21546	5.430	ug/L	91
25) Chloroform	5.083	83	86339	5.476	ug/L	99

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 Acq On : 18 Apr 2023 11:04
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005153

Quant Time: Apr 19 04:52:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Apr 18 00:19:36 2023
 Response via : Initial Calibration

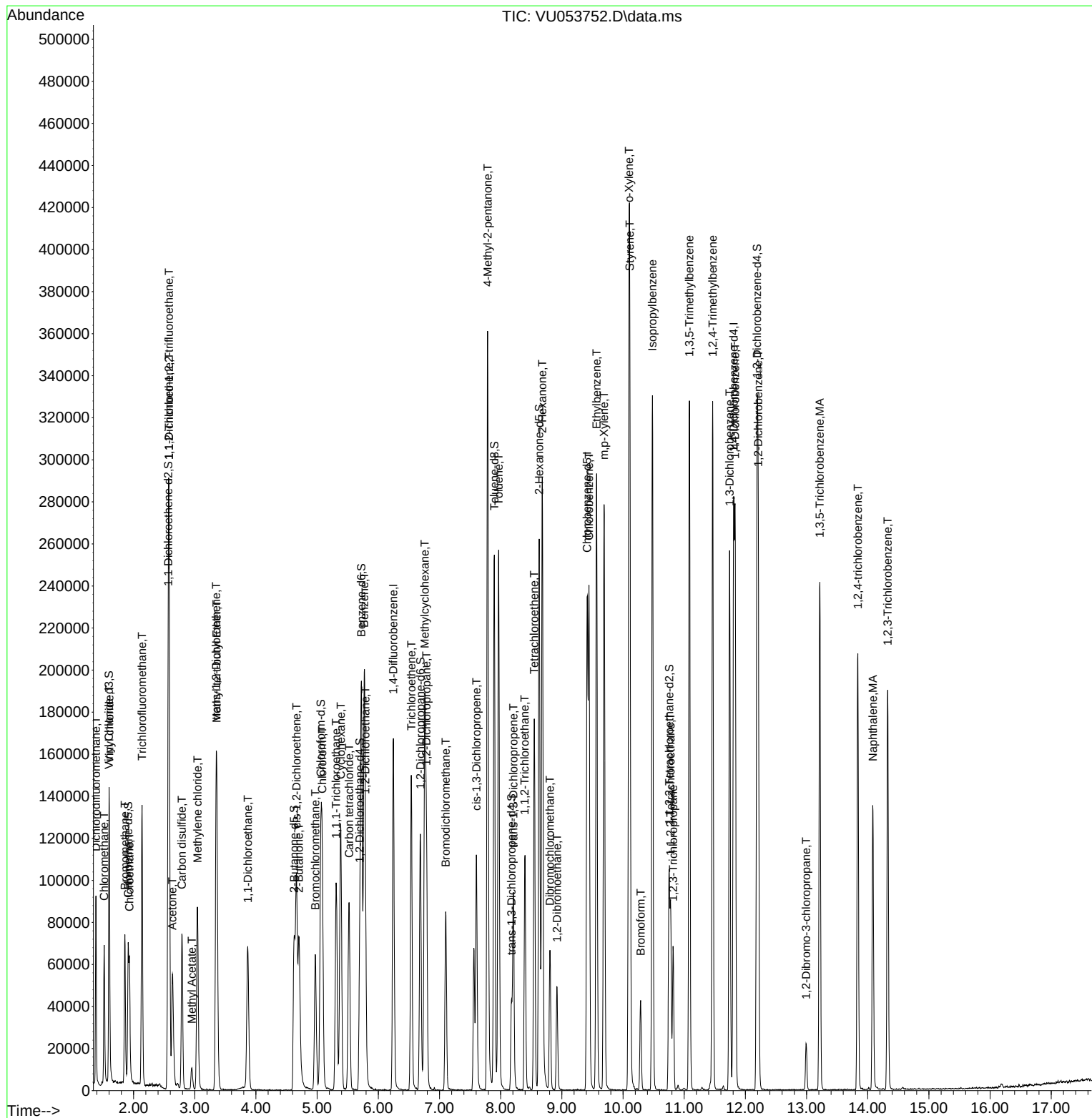
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	49945	5.057	ug/L #	95
29) 1,1,1-Trichloroethane	5.311	97	74042	5.643	ug/L	97
30) Cyclohexane	5.385	56	62252	4.453	ug/L	99
31) Carbon tetrachloride	5.523	117	62187	5.601	ug/L	100
33) Benzene	5.771	78	179934	5.053	ug/L	100
34) Trichloroethene	6.539	95	51595	5.440	ug/L	93
35) Methylcyclohexane	6.761	83	73934	4.543	ug/L	97
37) 1,2-Dichloropropane	6.787	63	47395	5.040	ug/L	100
38) Bromodichloromethane	7.102	83	57034	5.461	ug/L #	99
39) cis-1,3-Dichloropropene	7.604	75	69439	4.998	ug/L	94
40) 4-Methyl-2-pentanone	7.787	43	220590	47.939	ug/L	97
42) Toluene	7.967	91	195893	5.034	ug/L	98
44) trans-1,3-Dichloropropene	8.208	75	55419	4.903	ug/L	95
45) 1,1,2-Trichloroethane	8.395	97	35402	5.303	ug/L	96
47) Tetrachloroethene	8.549	164	39008	5.598	ug/L	92
48) 2-Hexanone	8.681	43	176372	51.837	ug/L	96
49) Dibromochloromethane	8.806	129	36130	5.472	ug/L	97
50) 1,2-Dibromoethane	8.922	107	33244	5.155	ug/L #	99
51) Chlorobenzene	9.443	112	129109	5.260	ug/L	99
52) Ethylbenzene	9.568	91	217758	5.134	ug/L	99
53) m,p-Xylene	9.690	106	84011	5.196	ug/L	97
54) o-Xylene	10.099	106	80907	5.274	ug/L	99
55) Styrene	10.111	104	134539	5.341	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.777	83	41746	4.951	ug/L	98
59) Bromoform	10.288	173	18998	5.105	ug/L	97
60) Isopropylbenzene	10.481	105	219460	4.999	ug/L	99
61) 1,2,3-Trichloropropane	10.819	75	29079	4.856	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	179504	5.039	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	183301	5.024	ug/L	98
64) 1,3-Dichlorobenzene	11.742	146	107360	5.562	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	107008	5.521	ug/L	95
67) 1,2-Dichlorobenzene	12.211	146	100566	5.496	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.992	75	5960	5.133	ug/L #	77
69) 1,3,5-Trichlorobenzene	13.217	180	76580	5.683	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	66544	6.211	ug/L	99
71) Naphthalene	14.082	128	115491	5.722	ug/L	100
72) 1,2,3-Trichlorobenzene	14.327	180	59079	6.318	ug/L	99

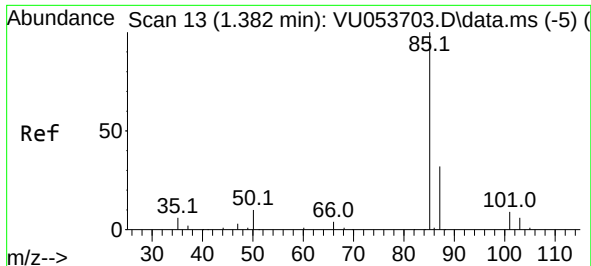
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VU053752.D
Acq On : 18 Apr 2023 11:04
Operator : JC/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD005153

Quant Time: Apr 19 04:52:06 2023
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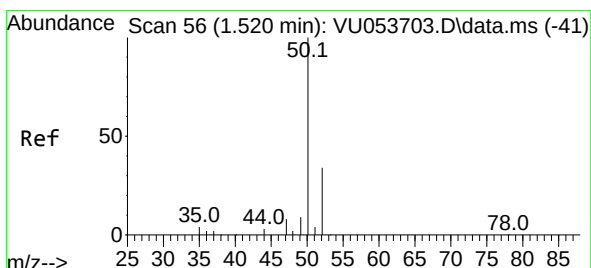
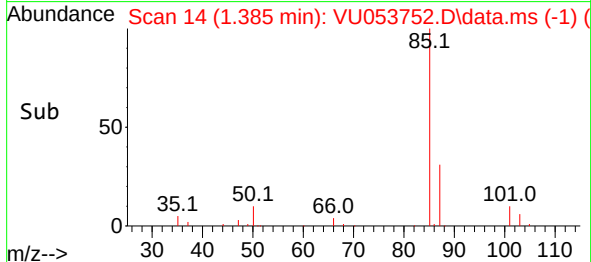
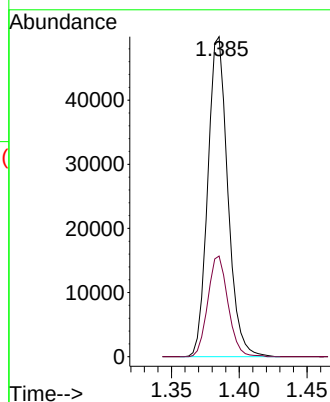
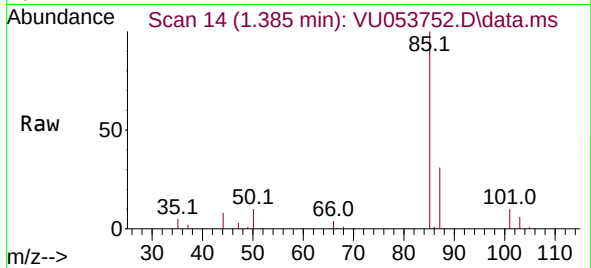




#2
Dichlorodifluoromethane
Concen: 5.041 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU053752.D
Acq: 18 Apr 2023 11:04

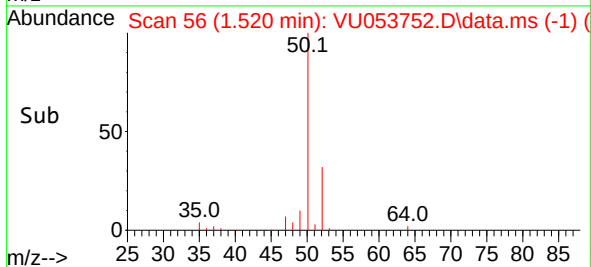
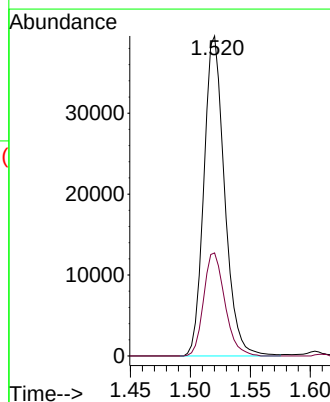
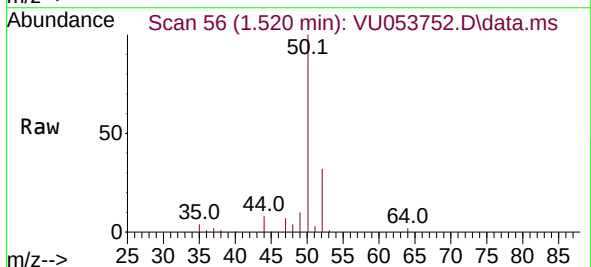
Instrument :
MSVOA_U
ClientSampleId :
VSTD005153

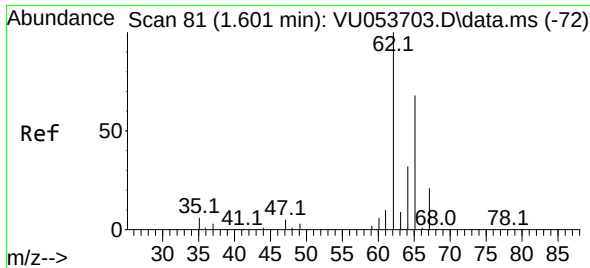
Tgt Ion: 85 Resp: 51181
Ion Ratio Lower Upper
85 100
87 31.7 26.1 39.1



#3
Chloromethane
Concen: 4.656 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU053752.D
Acq: 18 Apr 2023 11:04

Tgt Ion: 50 Resp: 47553
Ion Ratio Lower Upper
50 100
52 32.2 23.9 44.3

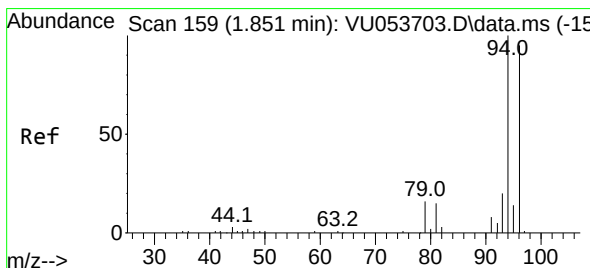
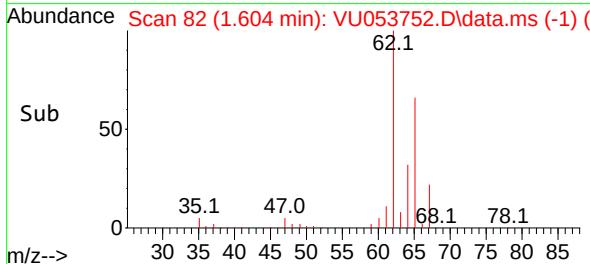
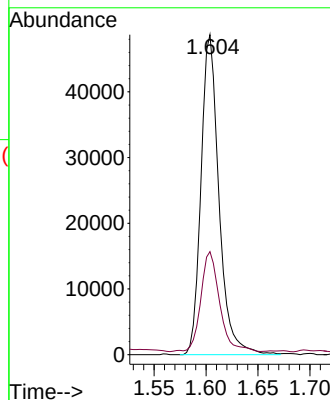
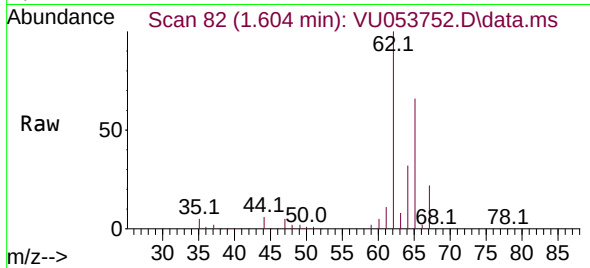




#5
 Vinyl chloride
 Concen: 5.086 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU053752.D
 Acq: 18 Apr 2023 11:04

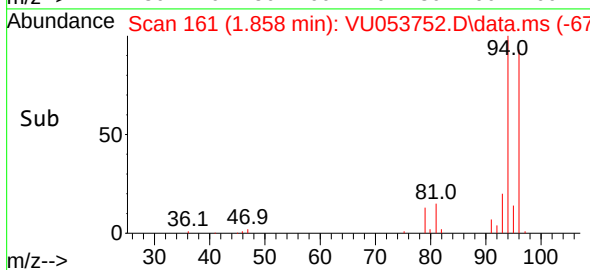
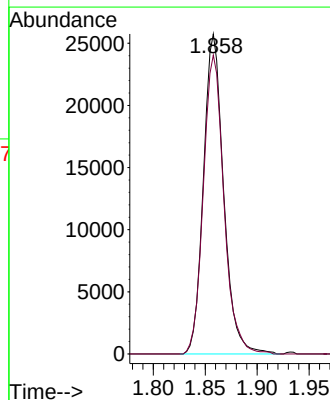
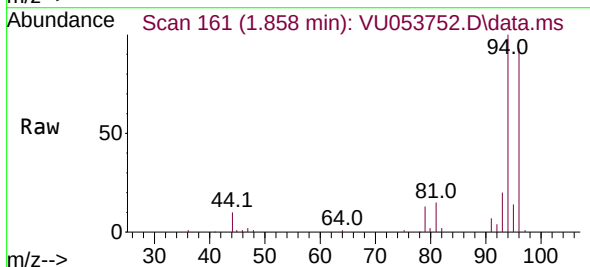
Instrument :
 MSVOA_U
 ClientSampleId :
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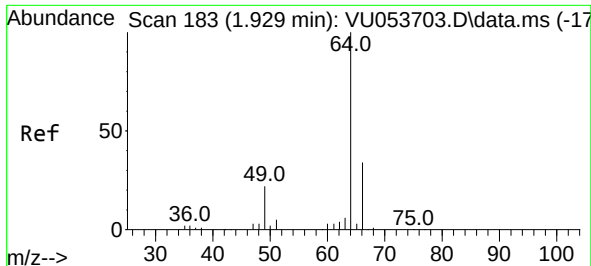
Tgt Ion: 62 Resp: 58577
 Ion Ratio Lower Upper
 62 100
 64 32.2 24.1 44.7



#6
 Bromomethane
 Concen: 4.758 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. 0.003 min
 Lab File: VU053752.D
 Acq: 18 Apr 2023 11:04

Tgt Ion: 94 Resp: 34704
 Ion Ratio Lower Upper
 94 100
 96 93.4 68.3 126.8

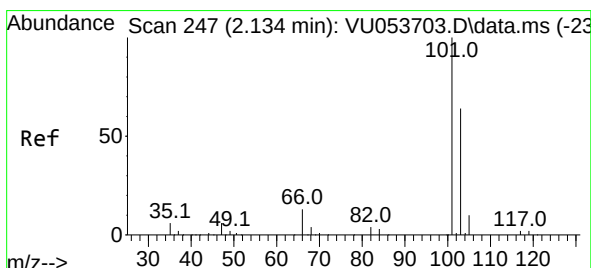
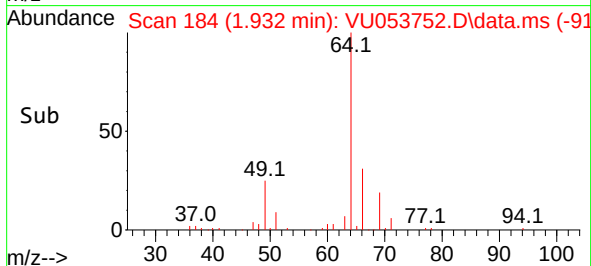
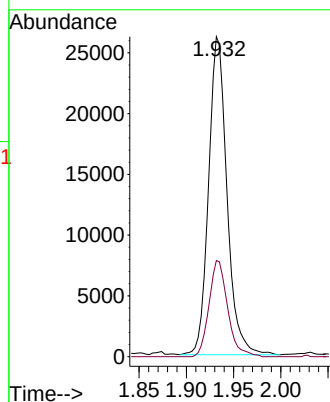
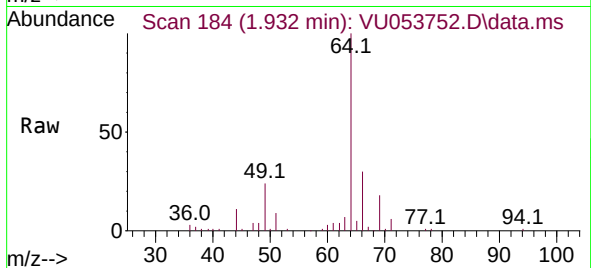




#8
Chloroethane
Concen: 5.296 ug/L
RT: 1.932 min Scan# 184
Delta R.T. 0.000 min
Lab File: VU053752.D
Acq: 18 Apr 2023 11:04

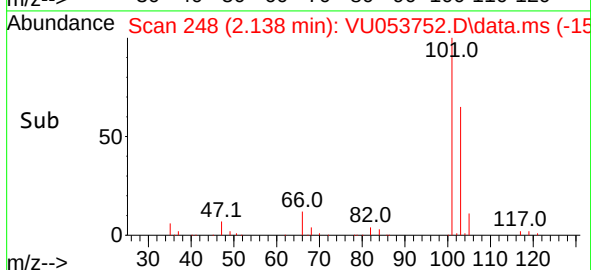
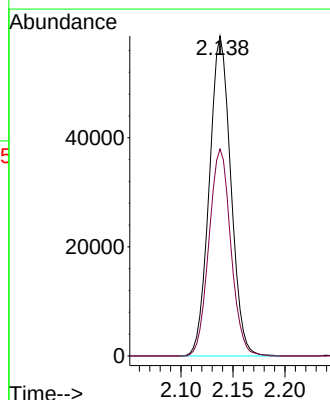
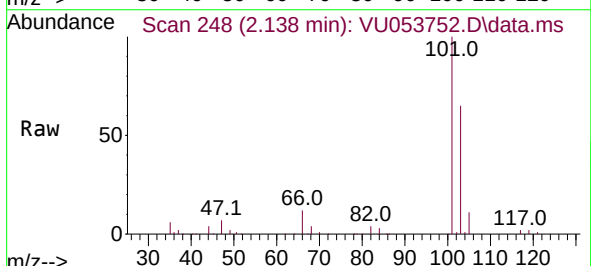
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MSVOA_U
ClientSampleId :
VSTD005153

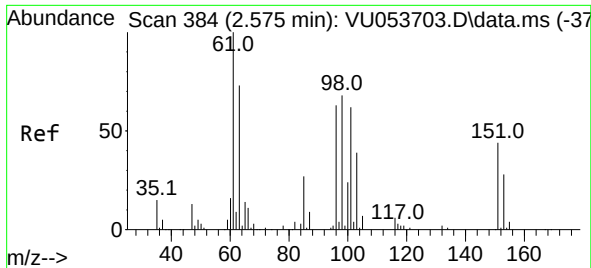
Tgt Ion: 64 Resp: 35452
Ion Ratio Lower Upper
64 100
66 30.0 22.3 41.5



#9
Trichlorofluoromethane
Concen: 4.857 ug/L
RT: 2.138 min Scan# 248
Delta R.T. 0.000 min
Lab File: VU053752.D
Acq: 18 Apr 2023 11:04

Tgt Ion: 101 Resp: 84472
Ion Ratio Lower Upper
101 100
103 65.6 50.2 75.2

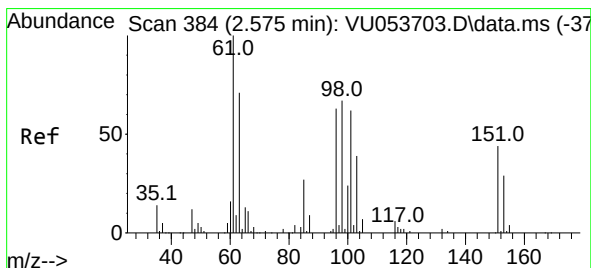
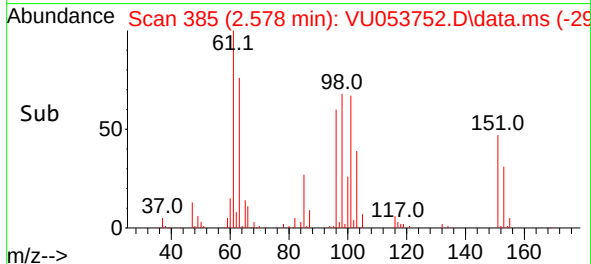
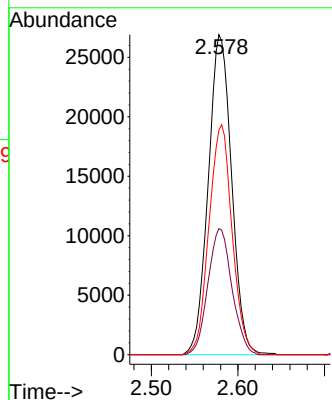
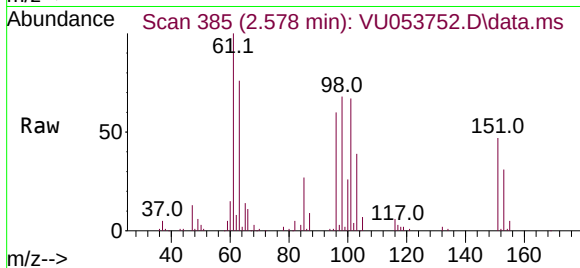




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.726 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU053752.D
 Acq: 18 Apr 2023 11:04

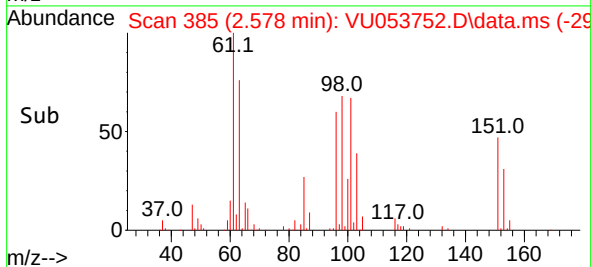
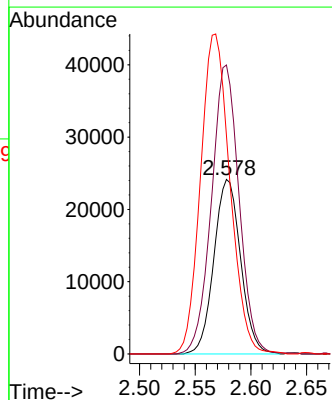
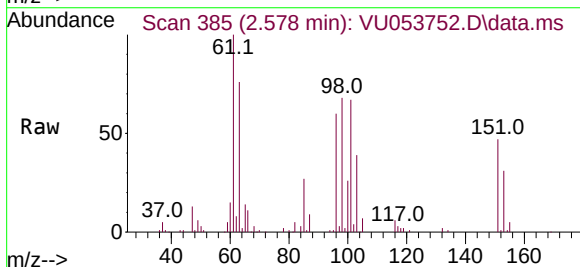
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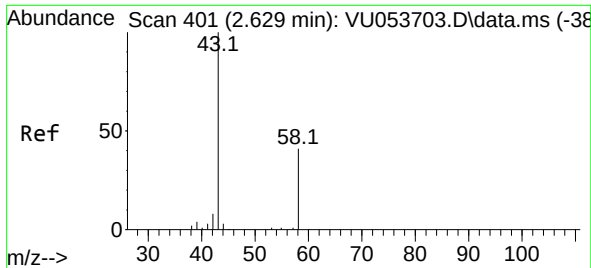
Tgt Ion:101 Resp: 50475
 Ion Ratio Lower Upper
 101 100
 85 40.4 37.0 55.4
 151 71.1 56.8 85.2



#12
 1,1-Dichloroethene
 Concen: 5.019 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU053752.D
 Acq: 18 Apr 2023 11:04

Tgt Ion: 96 Resp: 40206
 Ion Ratio Lower Upper
 96 100
 61 165.6 116.8 216.8
 63 125.2 88.6 164.6





#13

Acetone

Concen: 55.473 ug/L

RT: 2.636 min Scan# 401

Delta R.T. 0.003 min

Lab File: VU053752.D

Acq: 18 Apr 2023 11:04

Instrument :

MSVOA_U

ClientSampleId :

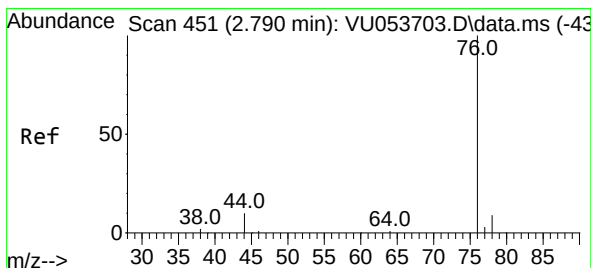
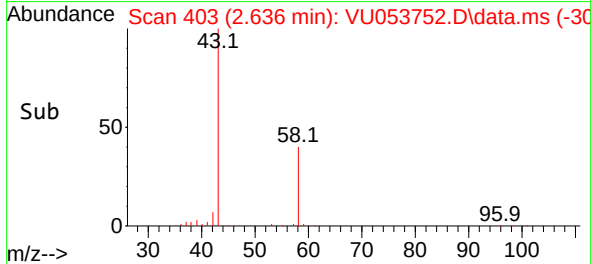
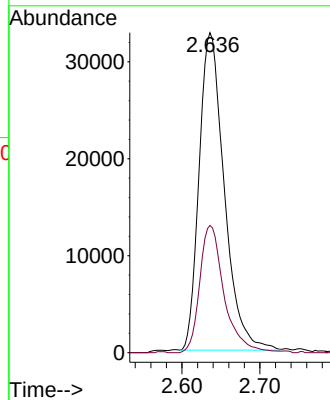
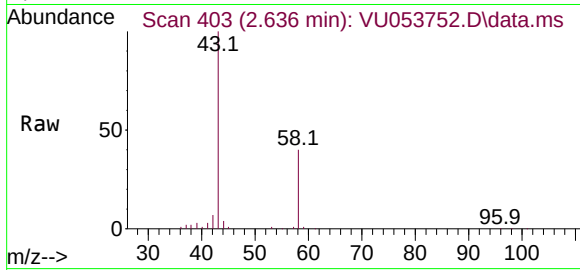
VSTD005153

Tgt Ion: 43 Resp: 73401

Ion Ratio Lower Upper

43 100

58 38.9 0.0 32.2#



#14

Carbon disulfide

Concen: 4.103 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU053752.D

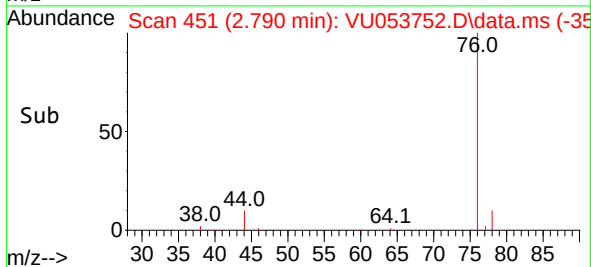
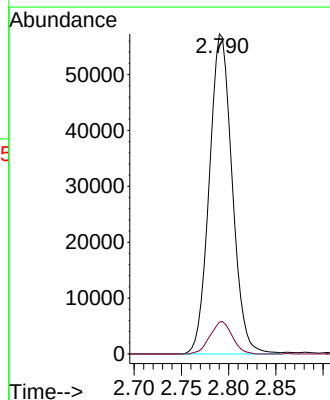
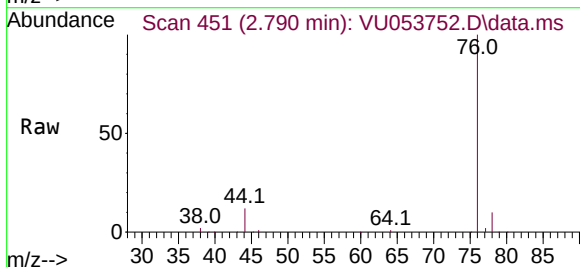
Acq: 18 Apr 2023 11:04

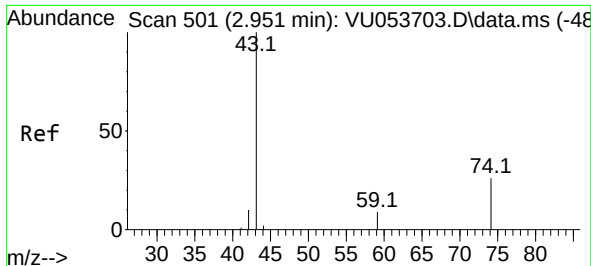
Tgt Ion: 76 Resp: 96471

Ion Ratio Lower Upper

76 100

78 10.0 7.0 10.4

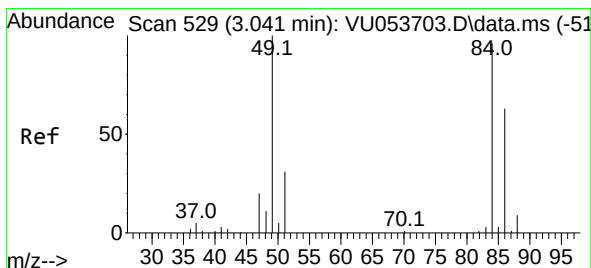
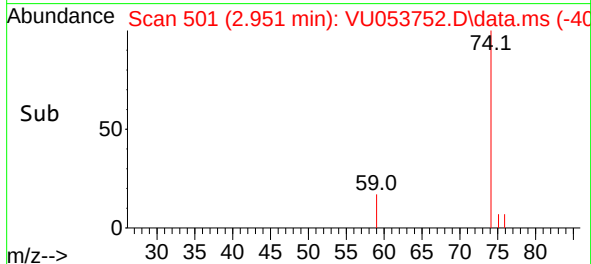
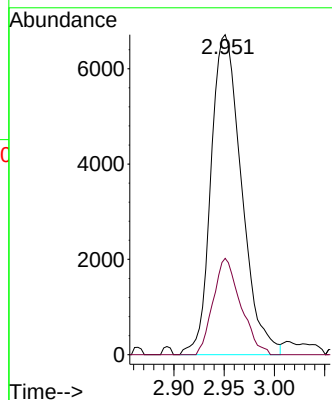
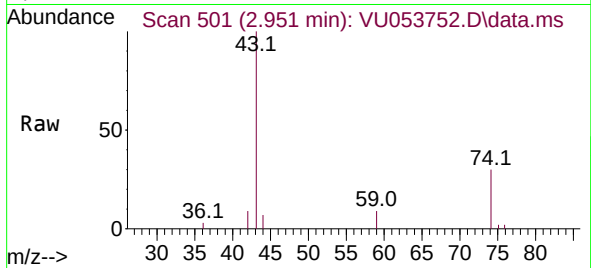




#15
Methyl Acetate
Concen: 4.578 ug/L
RT: 2.951 min Scan# 501
Delta R.T. 0.000 min
Lab File: VU053752.D
Acq: 18 Apr 2023 11:04

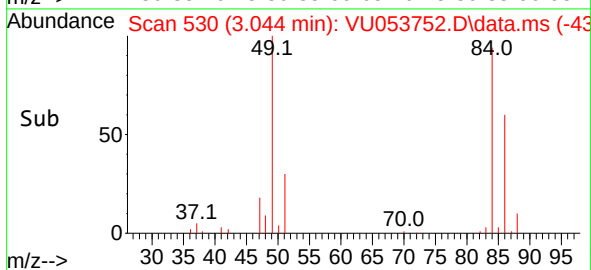
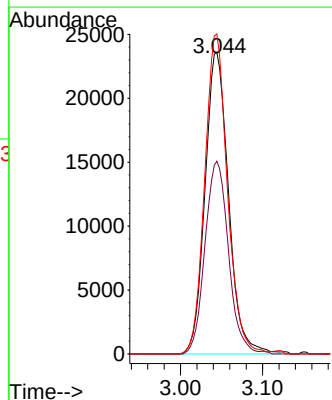
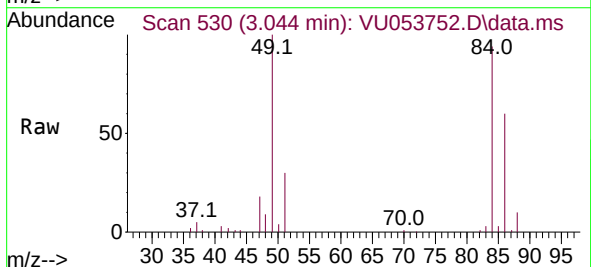
Instrument :
MSVOA_U
ClientSampleId :
VSTD005153

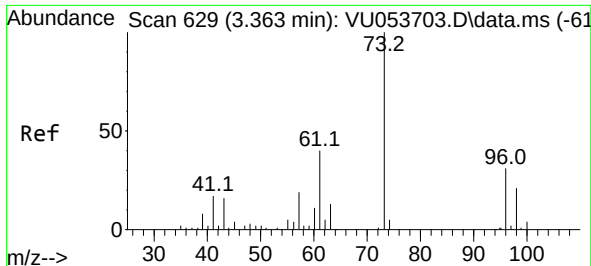
Tgt Ion: 43 Resp: 14209
Ion Ratio Lower Upper
43 100
74 27.1 20.8 31.2



#16
Methylene chloride
Concen: 4.473 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.003 min
Lab File: VU053752.D
Acq: 18 Apr 2023 11:04

Tgt Ion: 84 Resp: 47058
Ion Ratio Lower Upper
84 100
86 63.9 44.7 83.1
49 106.0 75.5 140.1

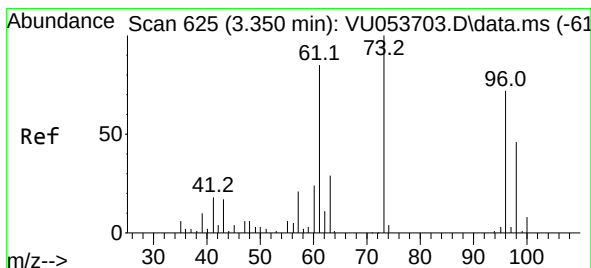
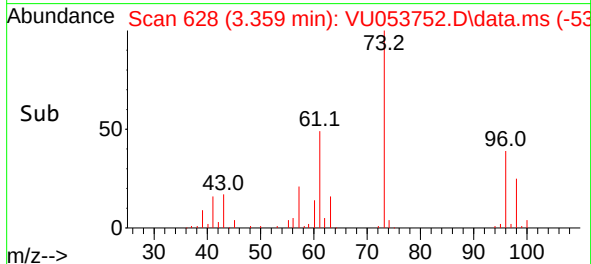
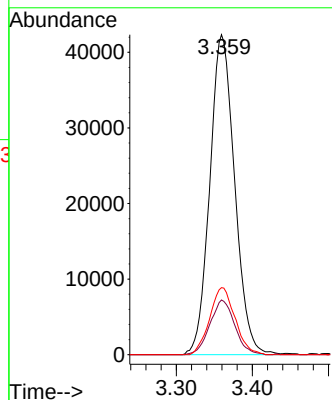
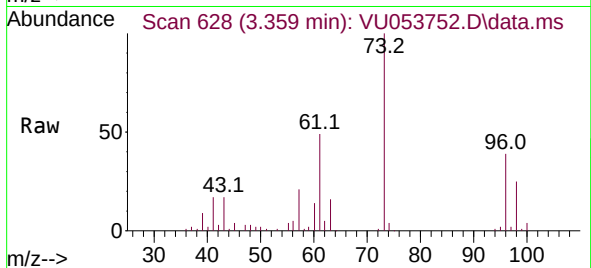




#17
Methyl tert-butyl Ether
Concen: 4.949 ug/L
RT: 3.359 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU053752.D
Acq: 18 Apr 2023 11:04

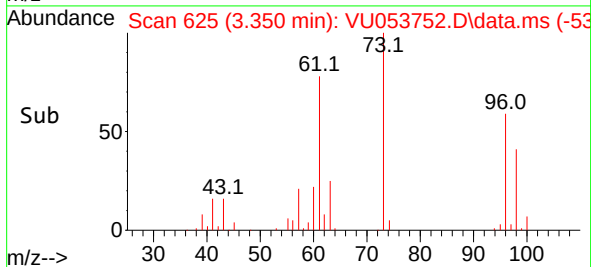
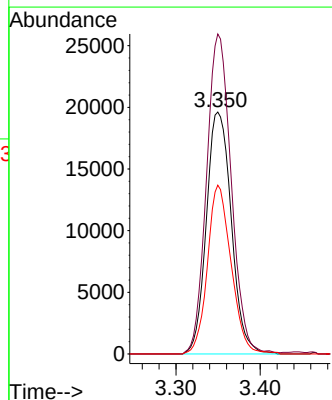
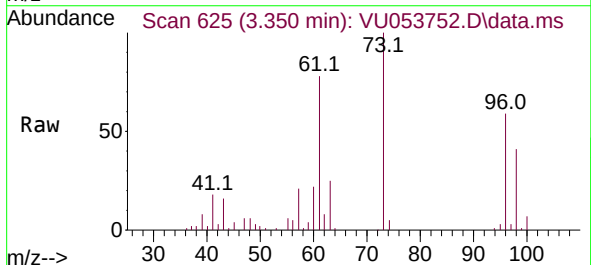
Instrument :
MSVOA_U
ClientSampleId :
VSTD005153

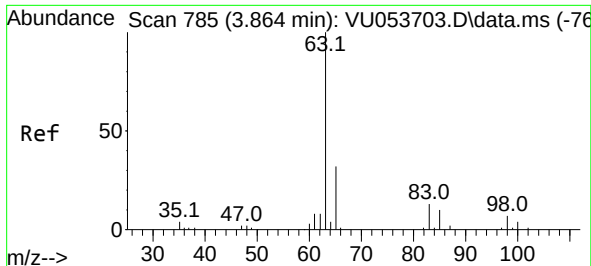
Tgt Ion: 73 Resp: 96108
Ion Ratio Lower Upper
73 100
43 17.1 13.9 20.9
57 21.4 17.0 25.6



#18
trans-1,2-Dichloroethene
Concen: 4.861 ug/L
RT: 3.350 min Scan# 625
Delta R.T. -0.003 min
Lab File: VU053752.D
Acq: 18 Apr 2023 11:04

Tgt Ion: 96 Resp: 40442
Ion Ratio Lower Upper
96 100
61 132.2 95.5 177.3
98 69.8 42.2 78.4

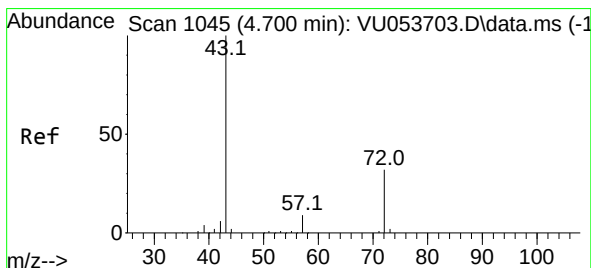
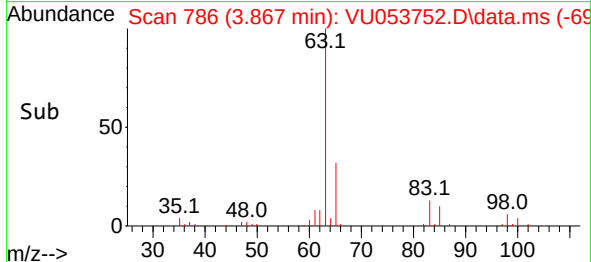
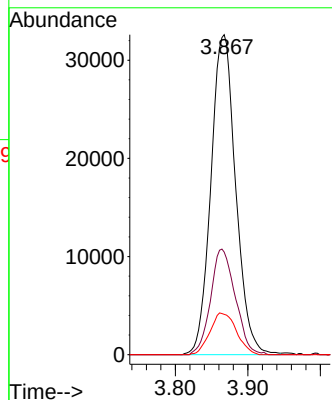
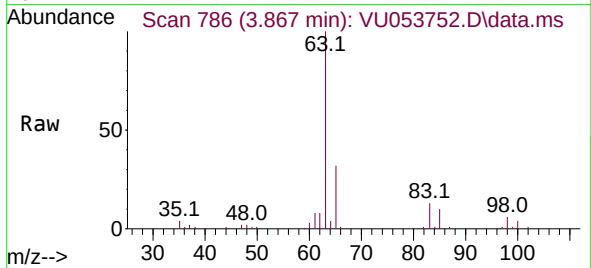




#19
1,1-Dichloroethane
Concen: 5.046 ug/L
RT: 3.867 min Scan# 77349
Delta R.T. 0.000 min
Lab File: VU053752.D
Acq: 18 Apr 2023 11:04

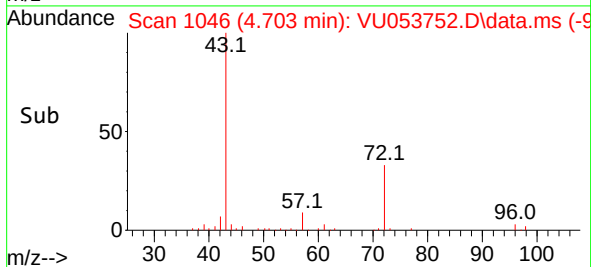
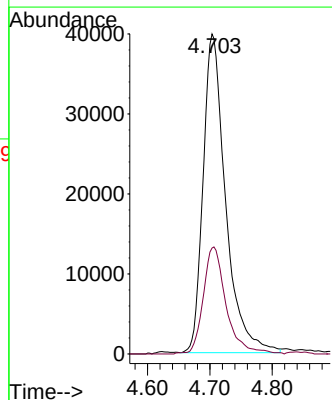
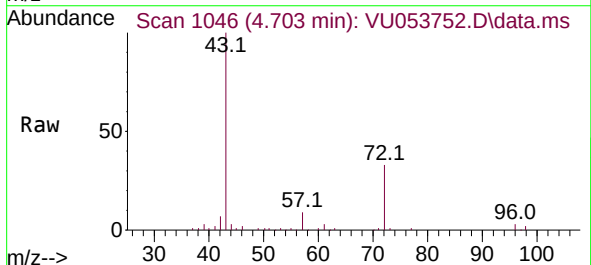
Instrument :
MSVOA_U
ClientSampleId :
VSTD005153

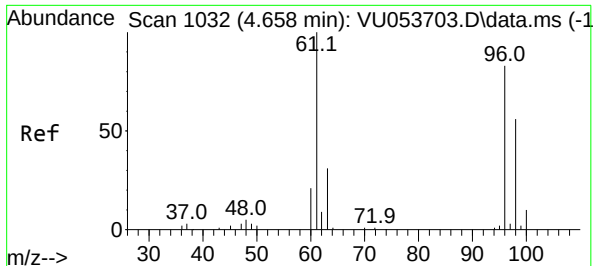
Tgt Ion: 63 Resp: 77349
Ion Ratio Lower Upper
63 100
65 32.0 21.7 40.3
83 12.6 8.1 15.1



#21
2-Butanone
Concen: 48.648 ug/L
RT: 4.703 min Scan# 1046
Delta R.T. 0.000 min
Lab File: VU053752.D
Acq: 18 Apr 2023 11:04

Tgt Ion: 43 Resp: 99953
Ion Ratio Lower Upper
43 100
72 34.2 16.2 48.6

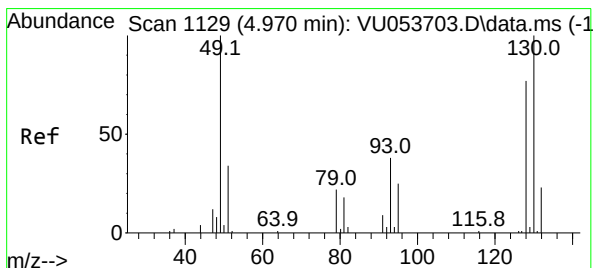
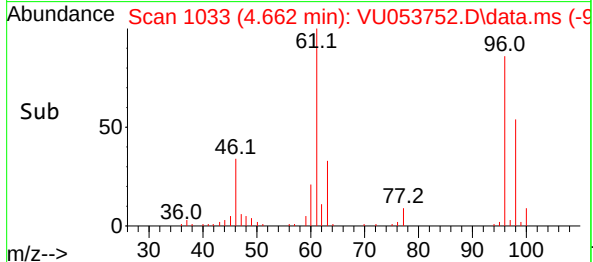
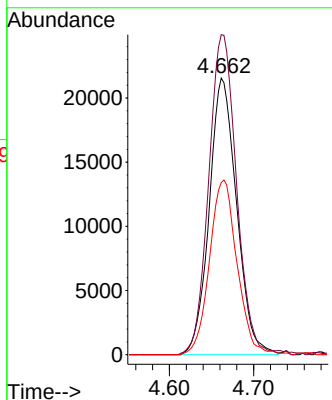
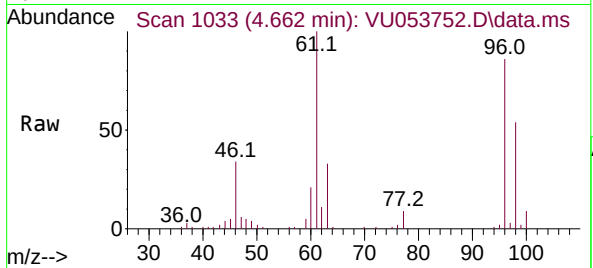




#22
 cis-1,2-Dichloroethene
 Concen: 4.346 ug/L
 RT: 4.662 min Scan# 1033
 Delta R.T. 0.000 min
 Lab File: VU053752.D
 Acq: 18 Apr 2023 11:04

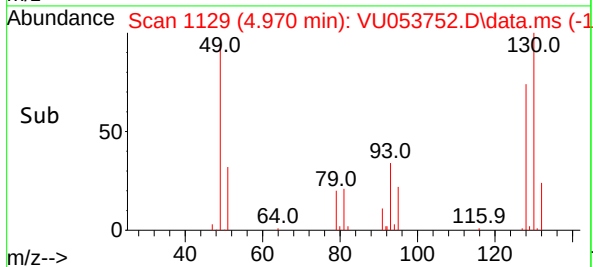
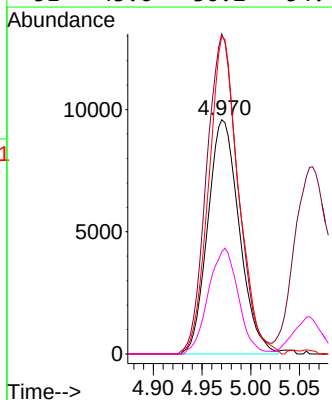
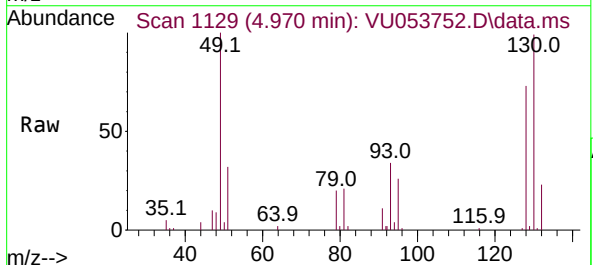
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005153

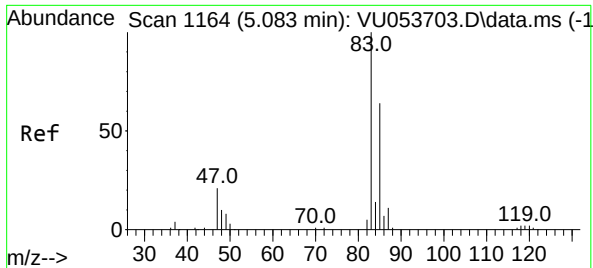
Tgt Ion: 96 Resp: 48715
 Ion Ratio Lower Upper
 96 100
 61 115.7 86.6 160.8
 98 62.2 47.7 88.5



#23
 Bromochloromethane
 Concen: 5.430 ug/L
 RT: 4.970 min Scan# 1129
 Delta R.T. -0.003 min
 Lab File: VU053752.D
 Acq: 18 Apr 2023 11:04

Tgt Ion:128 Resp: 21546
 Ion Ratio Lower Upper
 128 100
 49 136.6 102.8 190.8
 130 135.6 85.1 158.1
 51 43.6 36.2 54.4

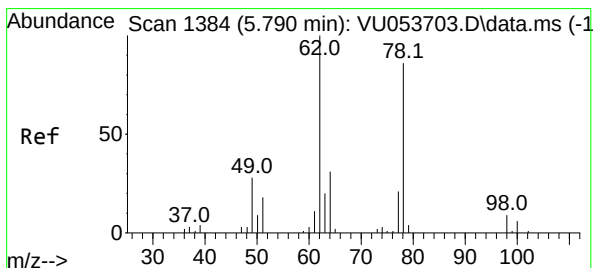
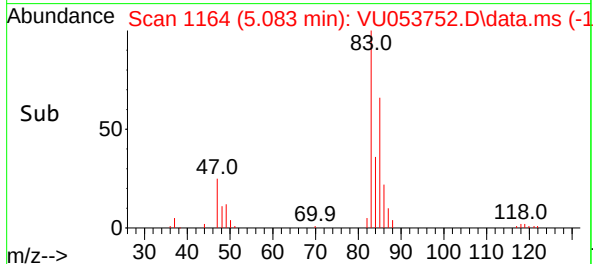
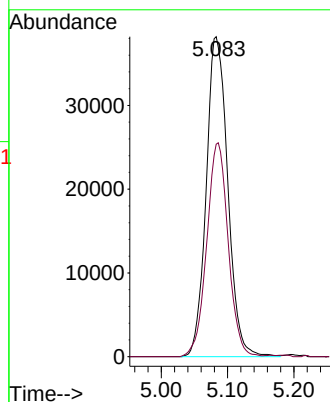
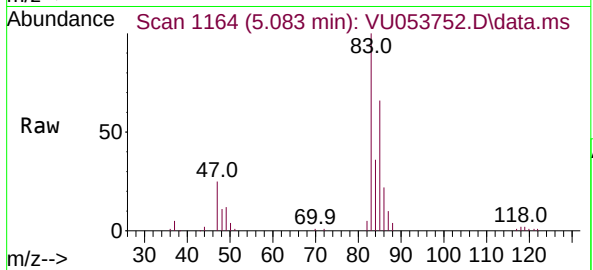




#25
Chloroform
Concen: 5.476 ug/L
RT: 5.083 min Scan# 1164
Delta R.T. 0.000 min
Lab File: VU053752.D
Acq: 18 Apr 2023 11:04

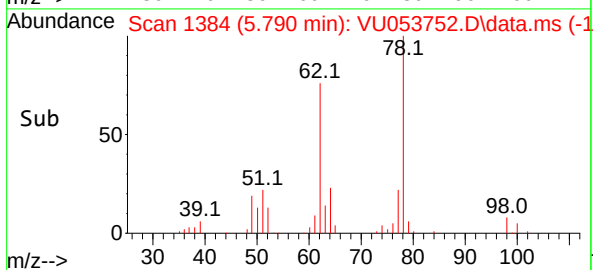
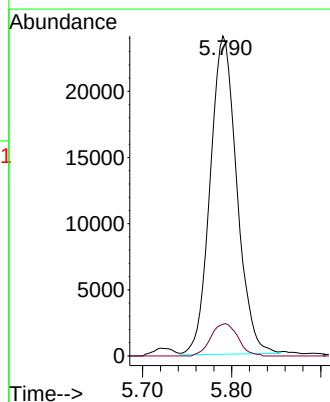
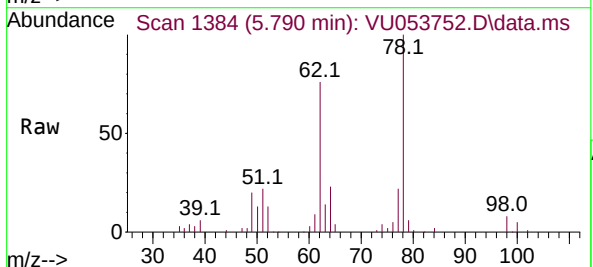
Instrument :
MSVOA_U
ClientSampleId :
VSTD005153

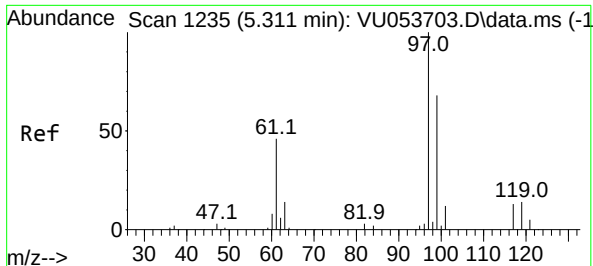
Tgt Ion: 83 Resp: 86339
Ion Ratio Lower Upper
83 100
85 66.4 47.3 87.9



#27
1,2-Dichloroethane
Concen: 5.057 ug/L
RT: 5.790 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VU053752.D
Acq: 18 Apr 2023 11:04

Tgt Ion: 62 Resp: 49945
Ion Ratio Lower Upper
62 100
98 9.9 6.4 9.6#

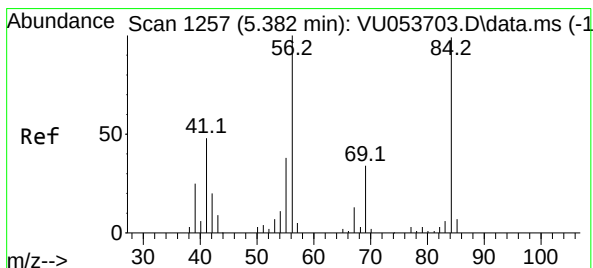
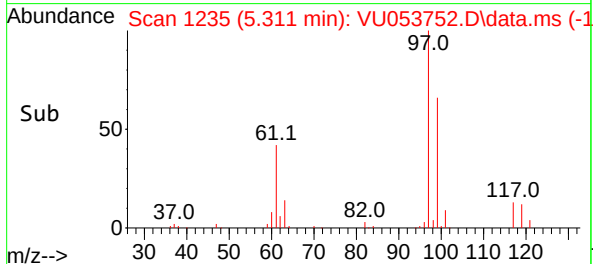
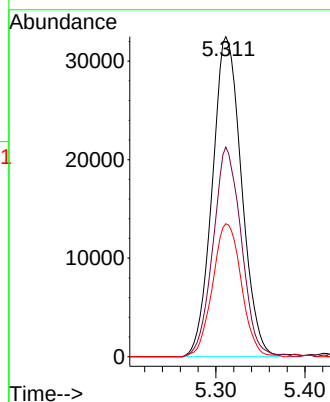
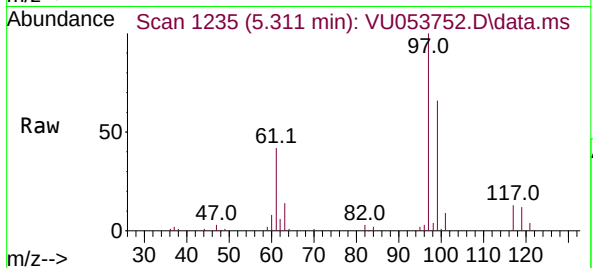




#29
1,1,1-Trichloroethane
Concen: 5.643 ug/L
RT: 5.311 min Scan# 1235
Delta R.T. 0.000 min
Lab File: VU053752.D
Acq: 18 Apr 2023 11:04

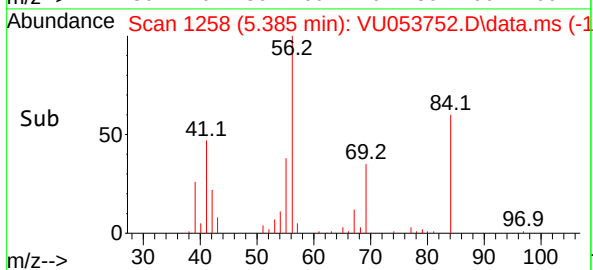
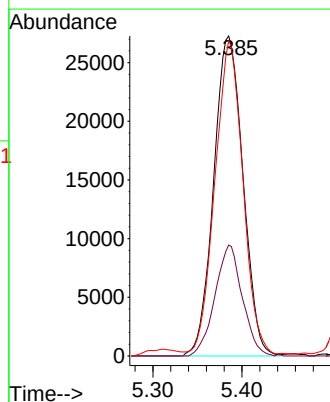
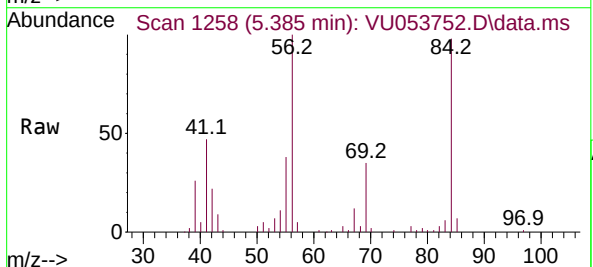
Instrument :
MSVOA_U
ClientSampleId :
VSTD005153

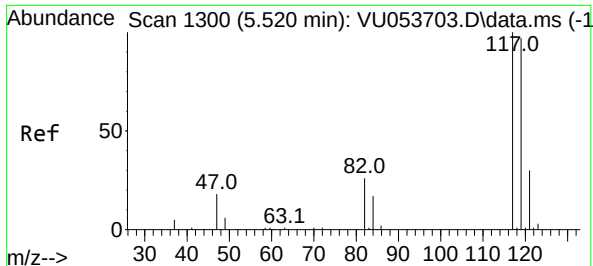
Tgt Ion:	97	Resp:	74042
Ion	Ratio	Lower	Upper
97	100		
99	63.2	49.9	74.9
61	40.9	35.7	53.5



#30
Cyclohexane
Concen: 4.453 ug/L
RT: 5.385 min Scan# 1258
Delta R.T. 0.000 min
Lab File: VU053752.D
Acq: 18 Apr 2023 11:04

Tgt Ion:	56	Resp:	62252
Ion	Ratio	Lower	Upper
56	100		
69	32.4	26.1	39.1
84	93.4	75.6	113.4

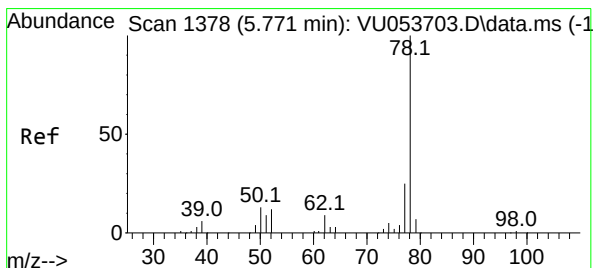
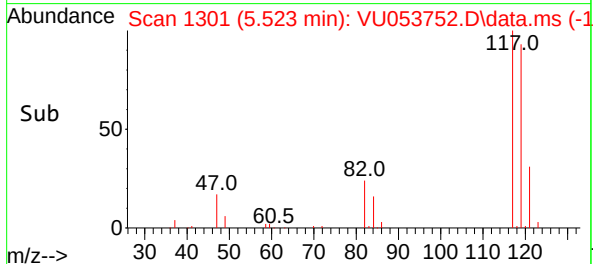
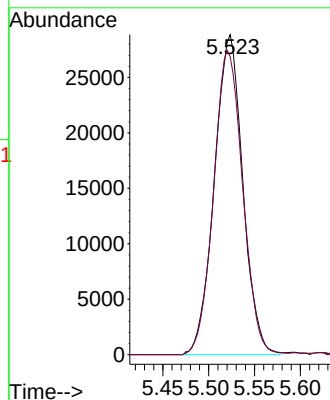
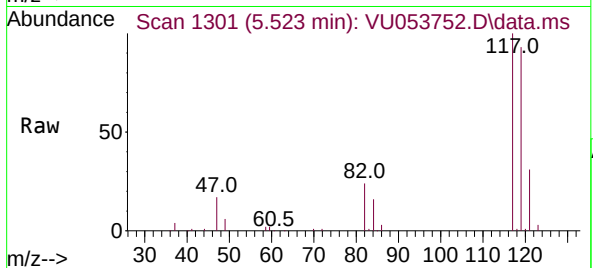




#31
Carbon tetrachloride
Concen: 5.601 ug/L
RT: 5.523 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VU053752.D
Acq: 18 Apr 2023 11:04

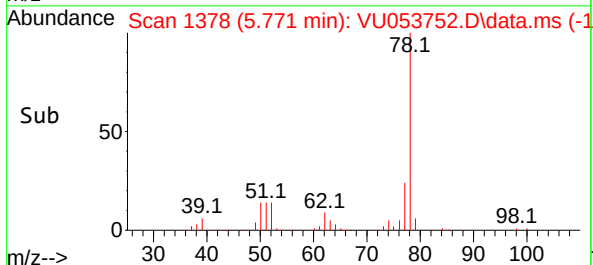
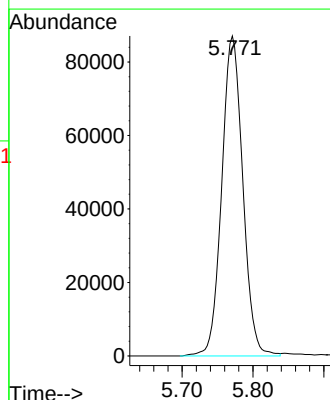
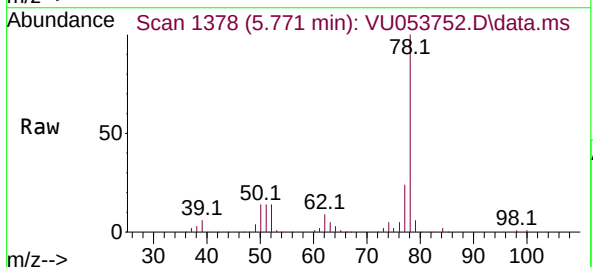
Instrument :
MSVOA_U
ClientSampleId :
VSTD005153

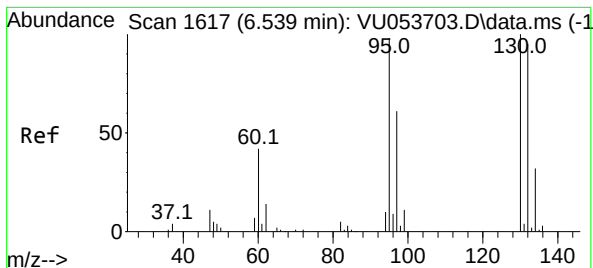
Tgt Ion:117 Resp: 62187
Ion Ratio Lower Upper
117 100
119 97.4 77.7 116.5



#33
Benzene
Concen: 5.053 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VU053752.D
Acq: 18 Apr 2023 11:04

Tgt Ion: 78 Resp: 179934





#34

Trichloroethene

Concen: 5.440 ug/L

RT: 6.539 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU053752.D

Acq: 18 Apr 2023 11:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD005153

Tgt Ion: 95 Resp: 51595

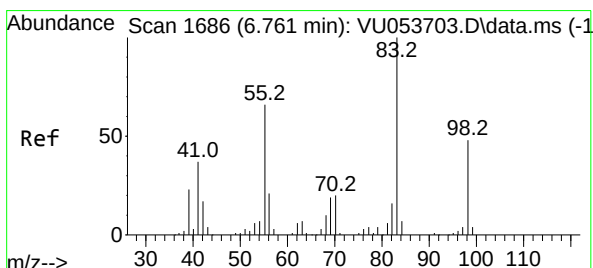
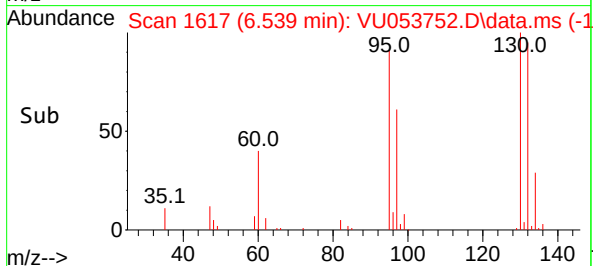
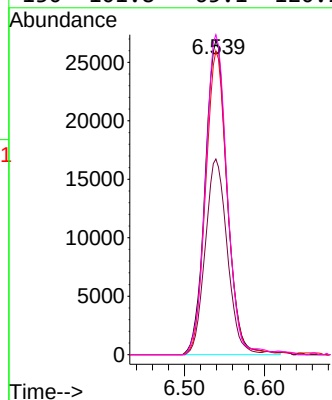
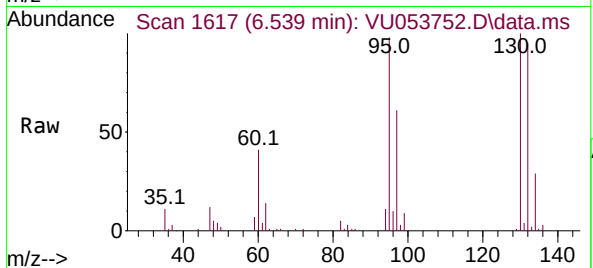
Ion Ratio Lower Upper

95 100

97 62.2 45.3 84.1

132 96.7 62.8 116.6

130 101.8 65.1 120.9



#35

Methylcyclohexane

Concen: 4.543 ug/L

RT: 6.761 min Scan# 1686

Delta R.T. 0.000 min

Lab File: VU053752.D

Acq: 18 Apr 2023 11:04

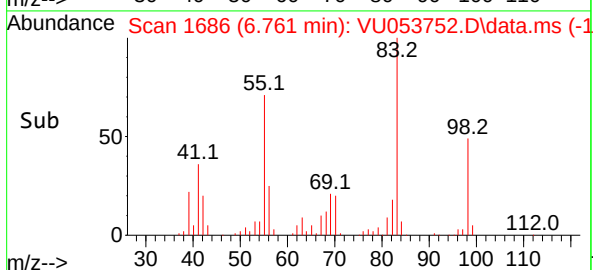
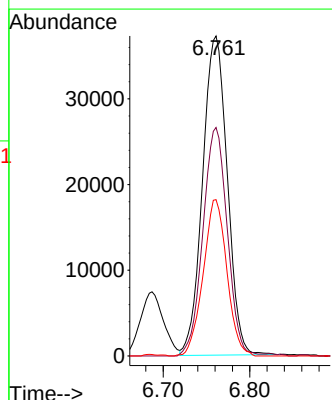
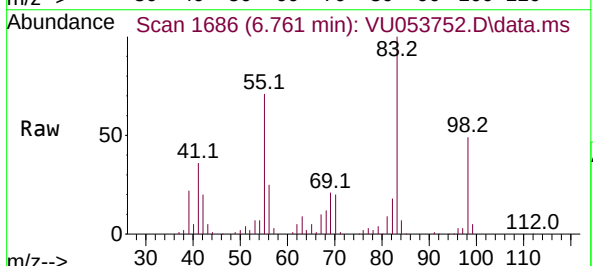
Tgt Ion: 83 Resp: 73934

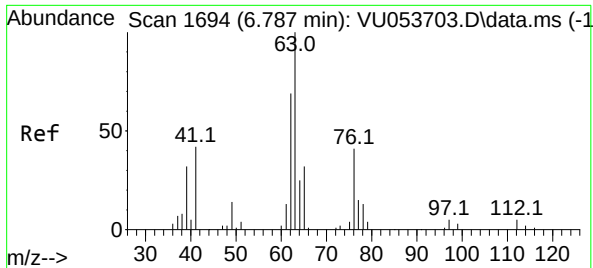
Ion Ratio Lower Upper

83 100

55 70.5 54.9 82.3

98 46.9 34.9 52.3

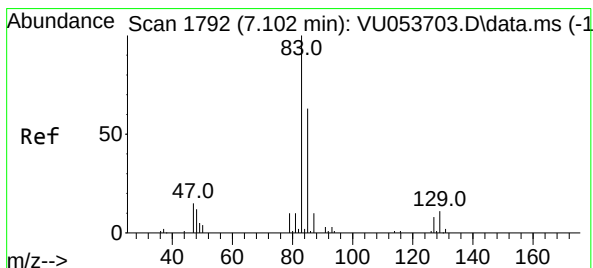
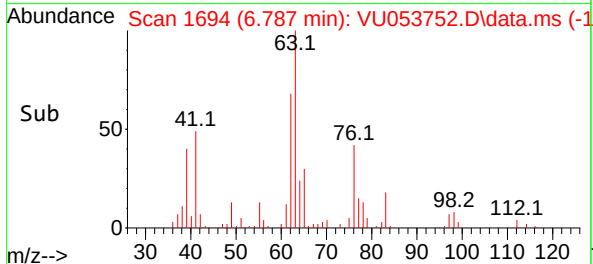
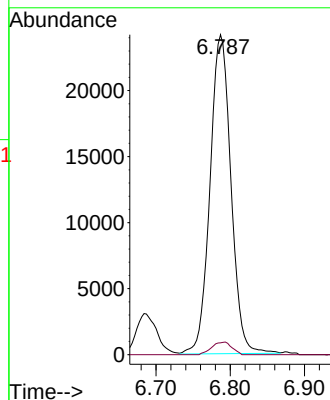
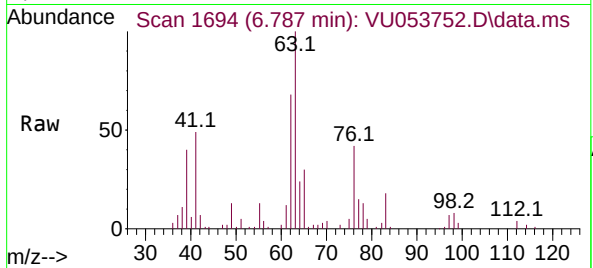




#37
1,2-Dichloropropane
Concen: 5.040 ug/L
RT: 6.787 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU053752.D
Acq: 18 Apr 2023 11:04

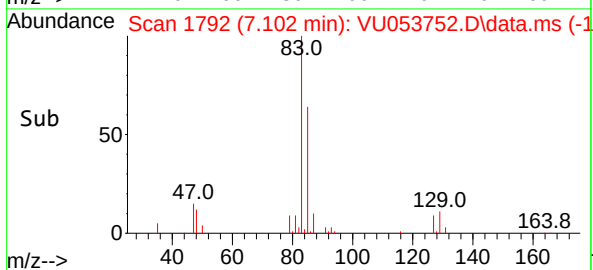
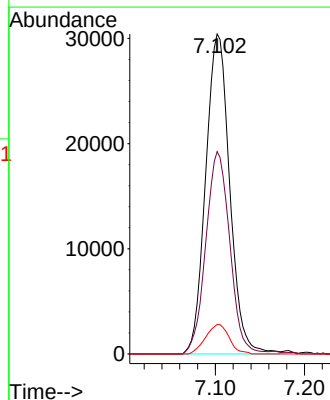
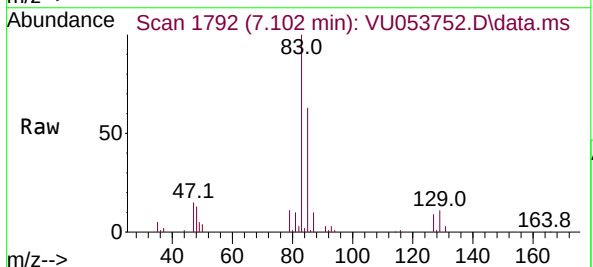
Instrument :
MSVOA_U
ClientSampleId :
VSTD005153

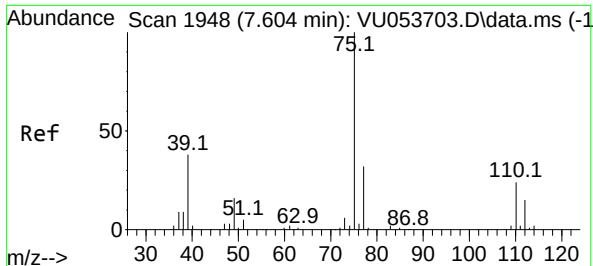
Tgt Ion: 63 Resp: 47395
Ion Ratio Lower Upper
63 100
112 3.8 3.0 4.4



#38
Bromodichloromethane
Concen: 5.461 ug/L
RT: 7.102 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VU053752.D
Acq: 18 Apr 2023 11:04

Tgt Ion: 83 Resp: 57034
Ion Ratio Lower Upper
83 100
85 63.2 44.0 81.8
127 9.2 5.8 8.6#





#39

cis-1,3-Dichloropropene

Concen: 4.998 ug/L

RT: 7.604 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VU053752.D

Acq: 18 Apr 2023 11:04

Instrument :

MSVOA_U

ClientSampleId :

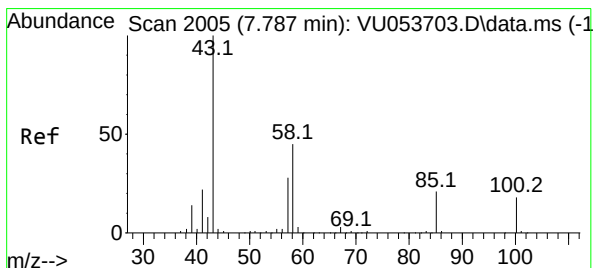
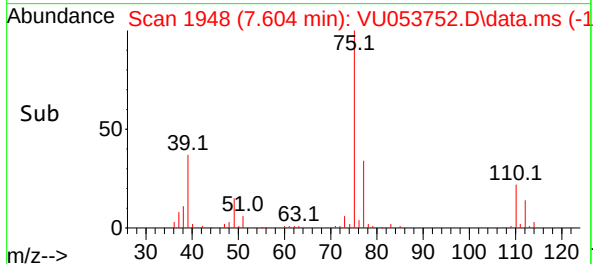
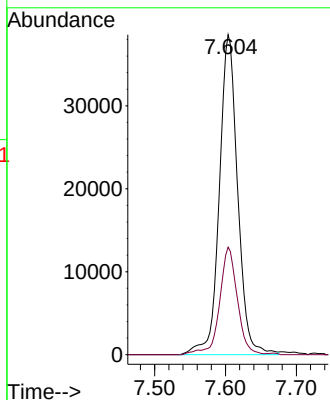
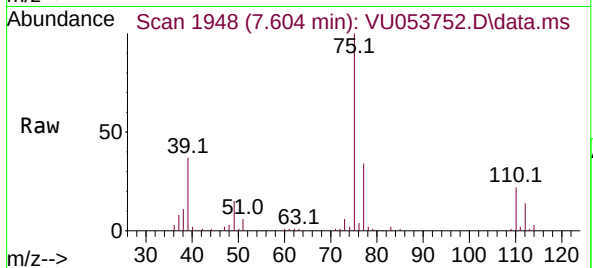
VSTD005153

Tgt Ion: 75 Resp: 69439

Ion Ratio Lower Upper

75 100

77 33.6 21.1 39.3



#40

4-Methyl-2-pentanone

Concen: 47.939 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. 0.000 min

Lab File: VU053752.D

Acq: 18 Apr 2023 11:04

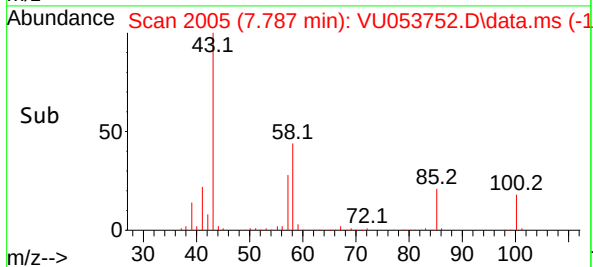
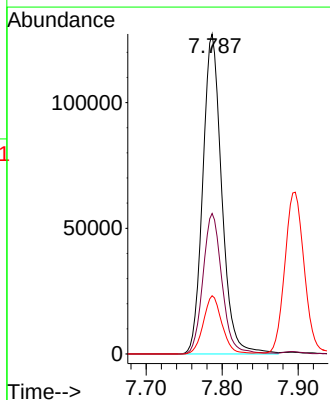
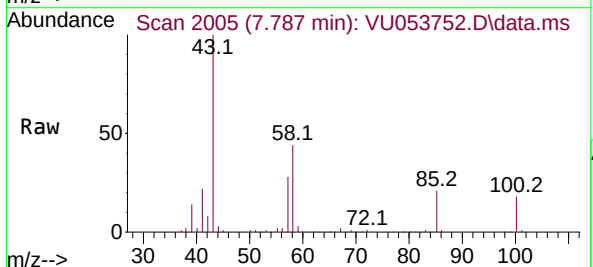
Tgt Ion: 43 Resp: 220590

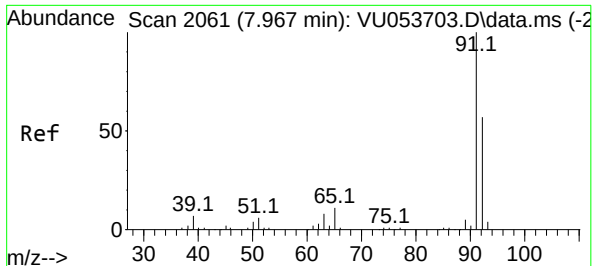
Ion Ratio Lower Upper

43 100

58 44.3 37.4 56.0

100 17.8 14.0 21.0

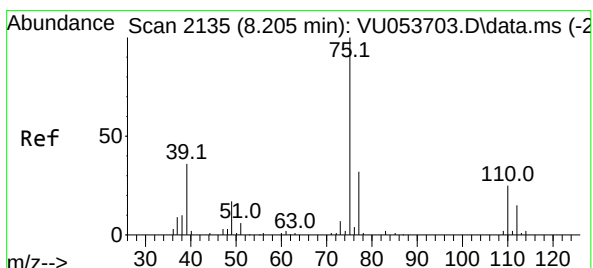
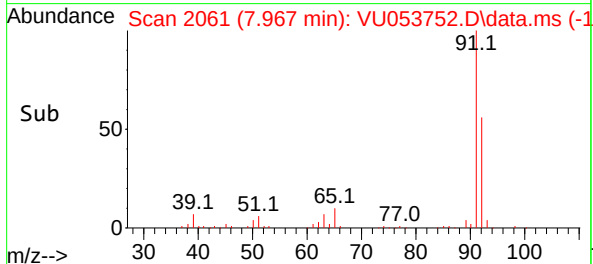
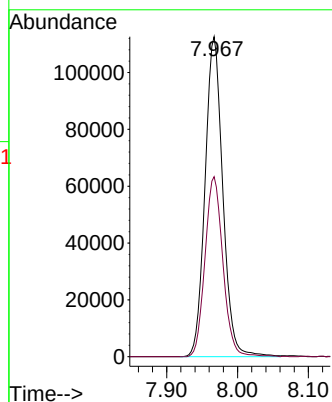
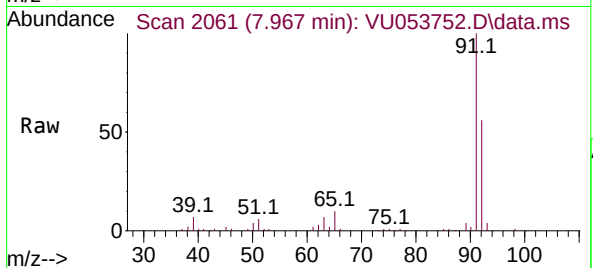




#42
Toluene
Concen: 5.034 ug/L
RT: 7.967 min Scan# 2061
Delta R.T. 0.000 min
Lab File: VU053752.D
Acq: 18 Apr 2023 11:04

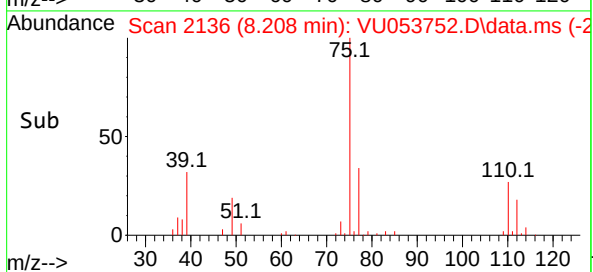
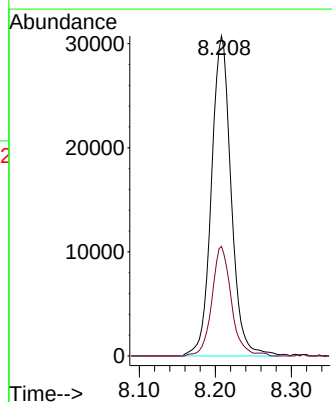
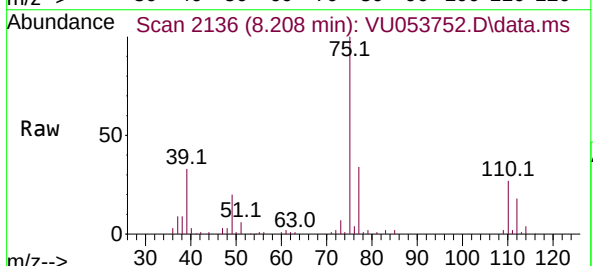
Instrument :
MSVOA_U
ClientSampleId :
VSTD005153

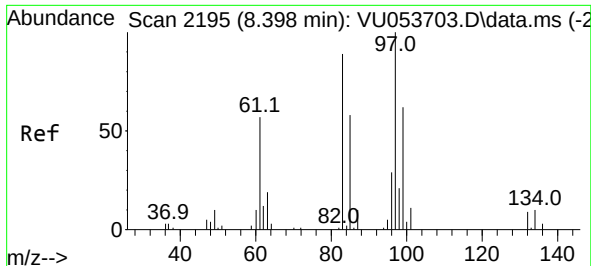
Tgt Ion: 91 Resp: 195893
Ion Ratio Lower Upper
91 100
92 56.2 40.4 75.0



#44
trans-1,3-Dichloropropene
Concen: 4.903 ug/L
RT: 8.208 min Scan# 2136
Delta R.T. 0.000 min
Lab File: VU053752.D
Acq: 18 Apr 2023 11:04

Tgt Ion: 75 Resp: 55419
Ion Ratio Lower Upper
75 100
77 34.3 22.0 40.8



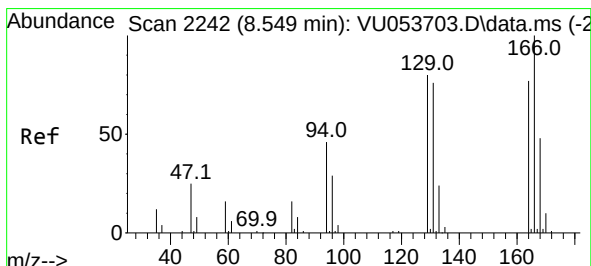
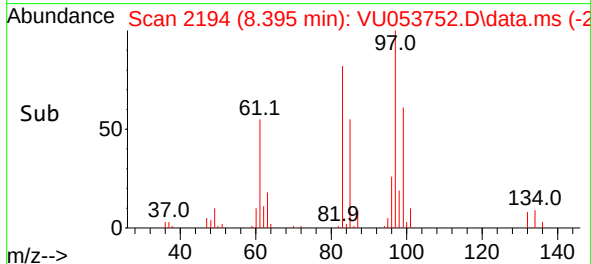
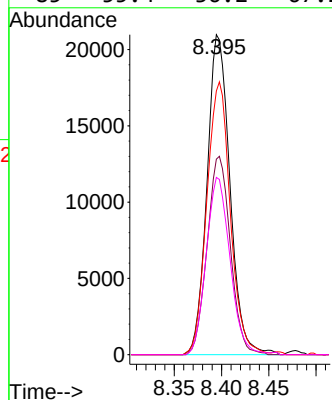
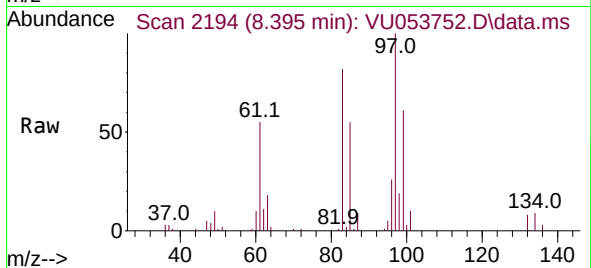


#45
 1,1,2-Trichloroethane
 Concen: 5.303 ug/L
 RT: 8.395 min Scan# 2194
 Delta R.T. -0.003 min
 Lab File: VU053752.D
 Acq: 18 Apr 2023 11:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005153

Tgt Ion: 97 Resp: 35402

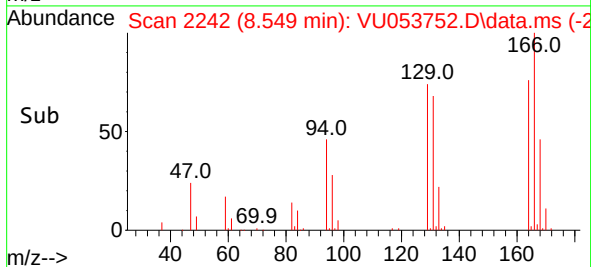
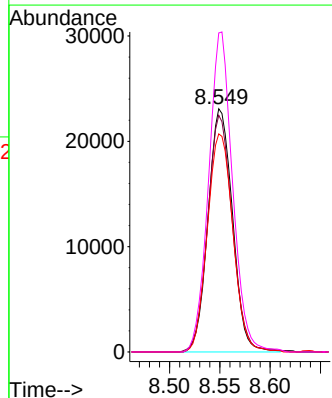
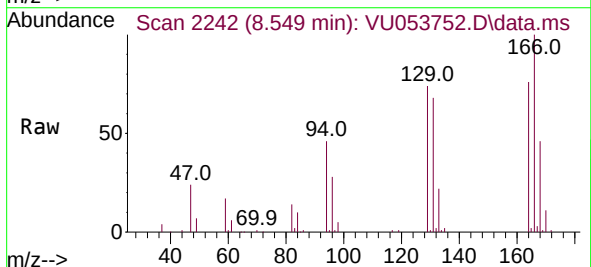
Ion	Ratio	Lower	Upper
97	100		
99	61.1	38.9	72.2
83	82.4	57.6	107.0
85	55.4	36.2	67.2

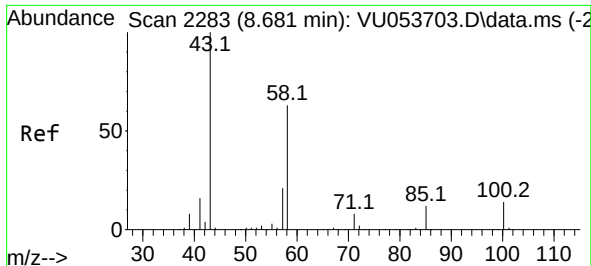


#47
 Tetrachloroethene
 Concen: 5.598 ug/L
 RT: 8.549 min Scan# 2242
 Delta R.T. 0.000 min
 Lab File: VU053752.D
 Acq: 18 Apr 2023 11:04

Tgt Ion: 164 Resp: 39008

Ion	Ratio	Lower	Upper
164	100		
129	97.3	74.8	138.8
131	89.7	70.1	130.1
166	131.1	87.3	162.1



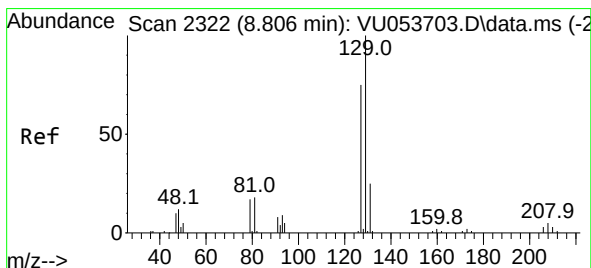
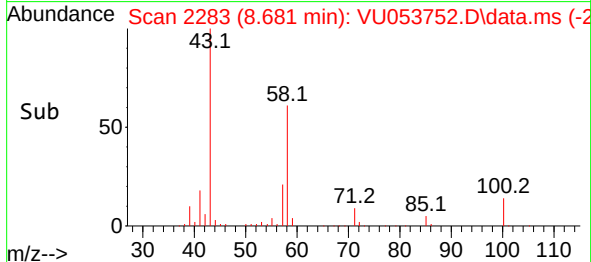
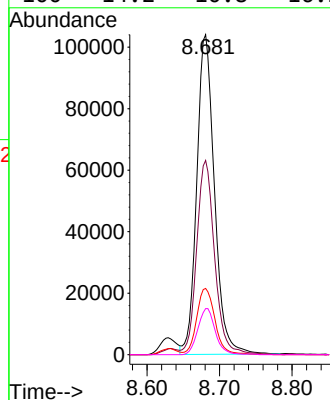
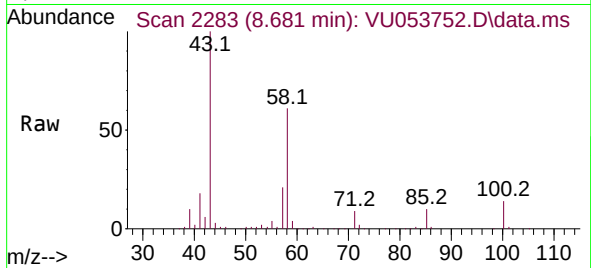


#48
2-Hexanone
Concen: 51.837 ug/L
RT: 8.681 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU053752.D
Acq: 18 Apr 2023 11:04

Instrument :
MSVOA_U
ClientSampleId :
VSTD005153

Tgt Ion: 43 Resp: 176372

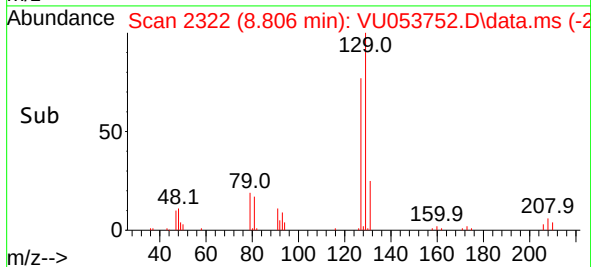
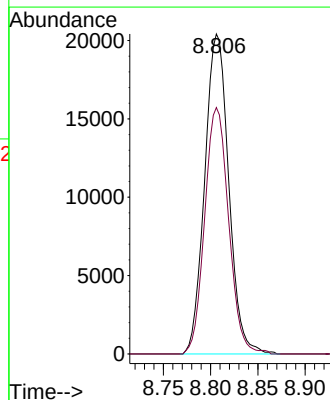
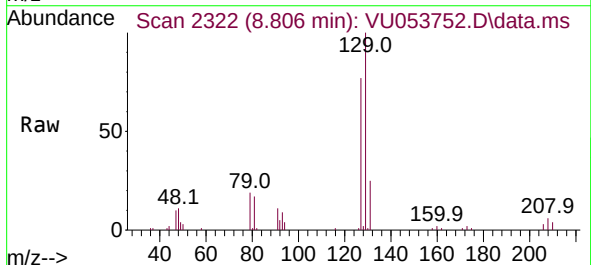
Ion	Ratio	Lower	Upper
43	100		
58	62.0	52.8	79.2
57	21.6	17.1	25.7
100	14.2	10.8	16.2

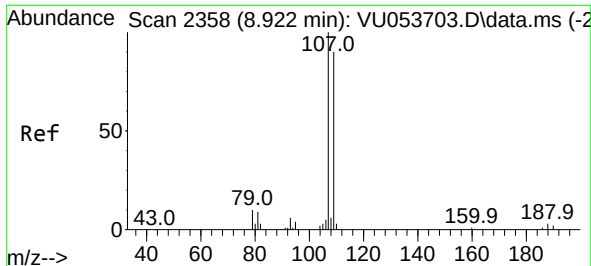


#49
Dibromochloromethane
Concen: 5.472 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VU053752.D
Acq: 18 Apr 2023 11:04

Tgt Ion: 129 Resp: 36130

Ion	Ratio	Lower	Upper
129	100		
127	77.0	52.2	97.0

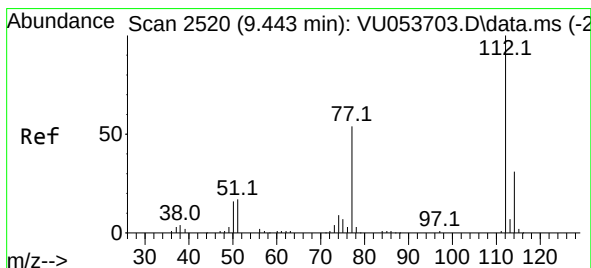
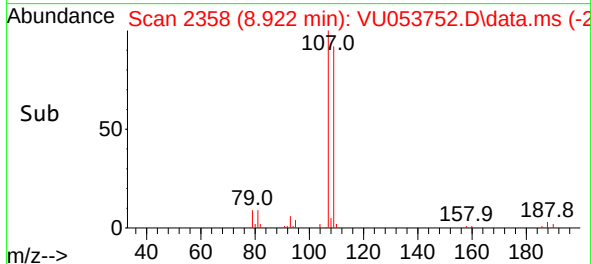
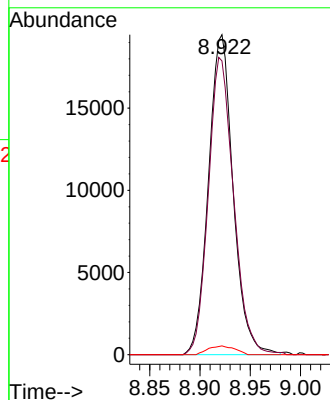
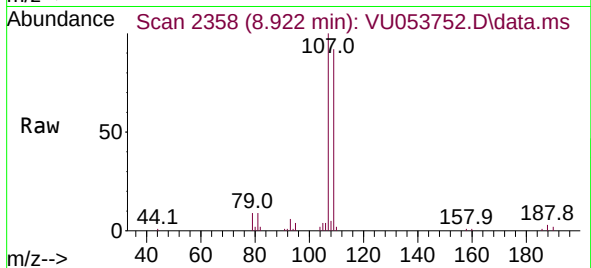




#50
1,2-Dibromoethane
Concen: 5.155 ug/L
RT: 8.922 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU053752.D
Acq: 18 Apr 2023 11:04

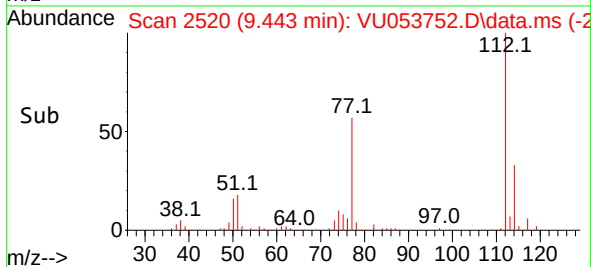
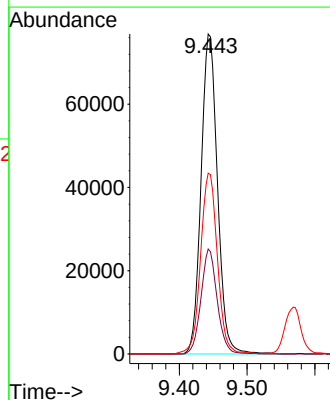
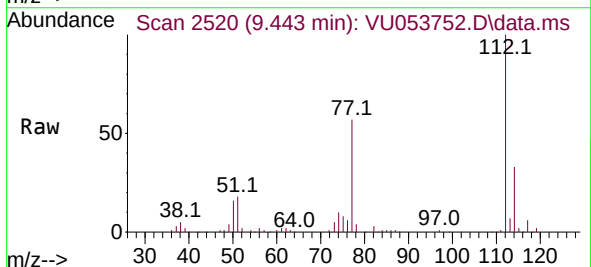
Instrument :
MSVOA_U
ClientSampleId :
VSTD005153

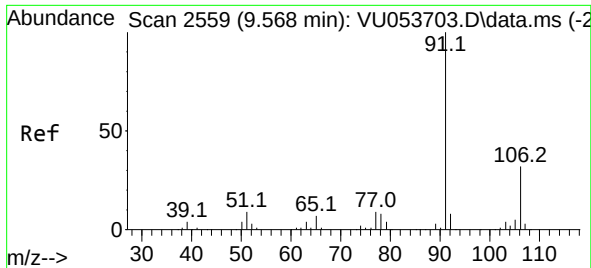
Tgt Ion:107 Resp: 33244
Ion Ratio Lower Upper
107 100
109 91.8 64.7 120.1
188 2.7 3.0 4.6#



#51
Chlorobenzene
Concen: 5.260 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. -0.003 min
Lab File: VU053752.D
Acq: 18 Apr 2023 11:04

Tgt Ion:112 Resp: 129109
Ion Ratio Lower Upper
112 100
114 32.8 22.1 41.1
77 56.5 45.8 68.6

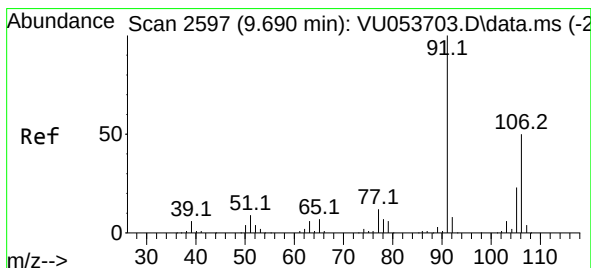
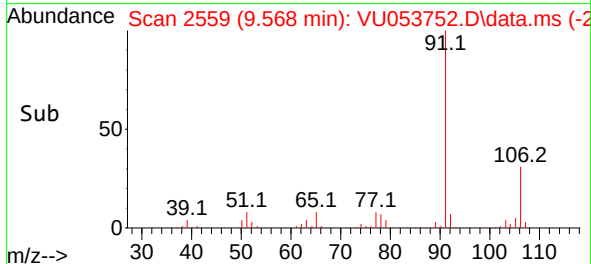
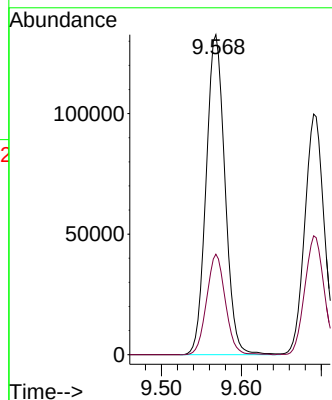
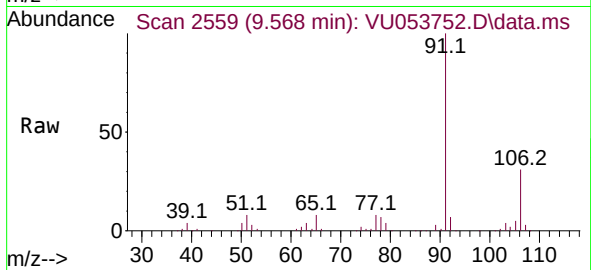




#52
Ethylbenzene
Concen: 5.134 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. 0.000 min
Lab File: VU053752.D
Acq: 18 Apr 2023 11:04

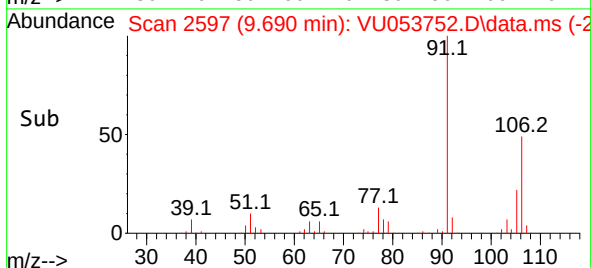
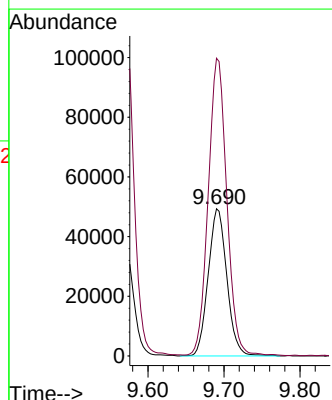
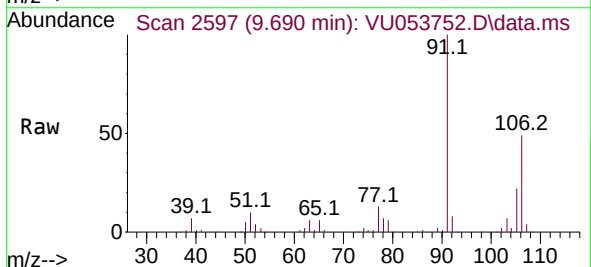
Instrument :
MSVOA_U
ClientSampleId :
VSTD005153

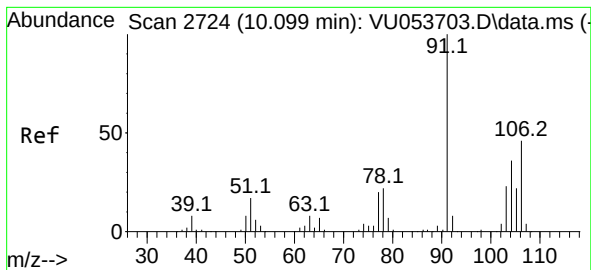
Tgt Ion: 91 Resp: 217758
Ion Ratio Lower Upper
91 100
106 31.4 22.5 41.9



#53
m,p-Xylene
Concen: 5.196 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU053752.D
Acq: 18 Apr 2023 11:04

Tgt Ion: 106 Resp: 84011
Ion Ratio Lower Upper
106 100
91 202.4 138.8 257.8





#54

o-Xylene

Concen: 5.274 ug/L

RT: 10.099 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU053752.D

Acq: 18 Apr 2023 11:04

Instrument :

MSVOA_U

ClientSampleId :

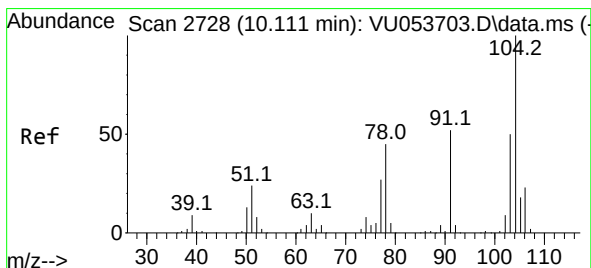
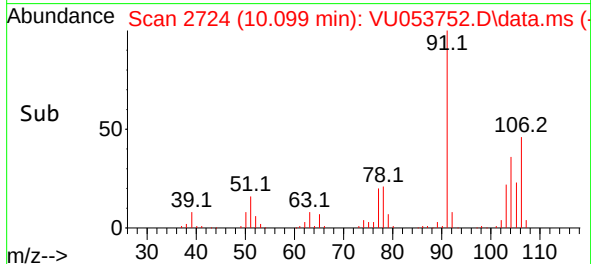
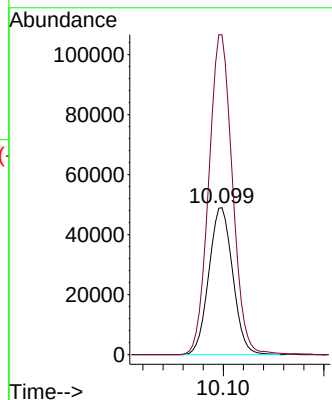
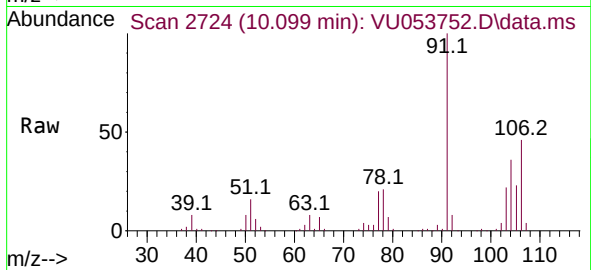
VSTD005153

Tgt Ion:106 Resp: 80907

Ion Ratio Lower Upper

106 100

91 217.5 150.8 280.0



#55

Styrene

Concen: 5.341 ug/L

RT: 10.111 min Scan# 2728

Delta R.T. 0.000 min

Lab File: VU053752.D

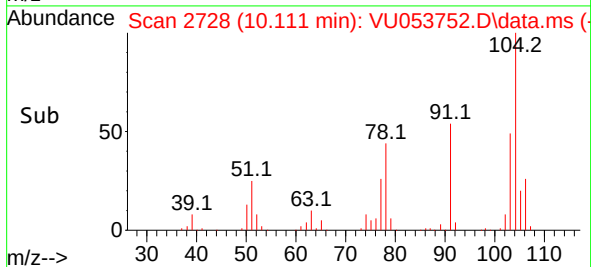
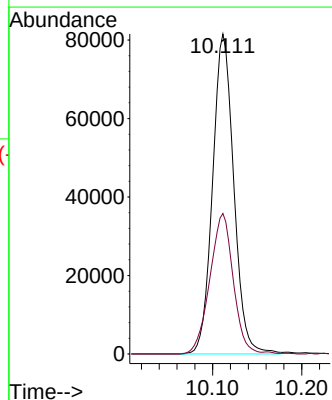
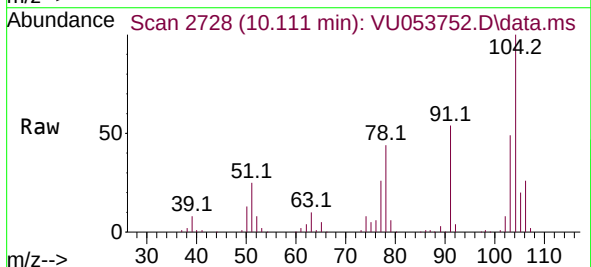
Acq: 18 Apr 2023 11:04

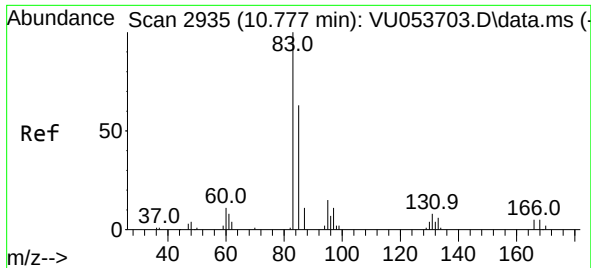
Tgt Ion:104 Resp: 134539

Ion Ratio Lower Upper

104 100

78 43.9 33.0 61.4

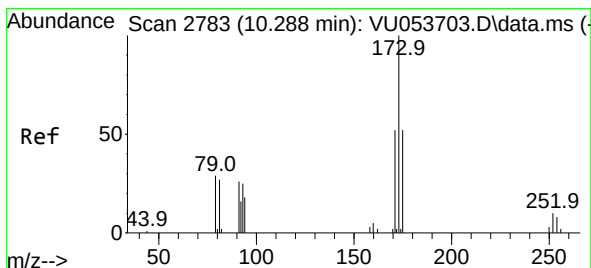
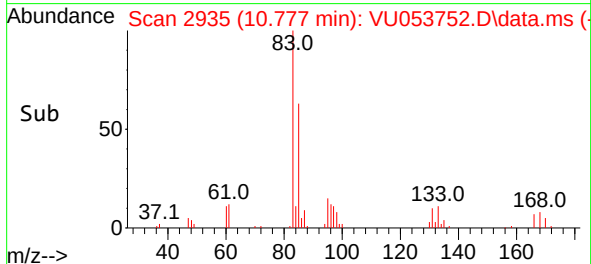
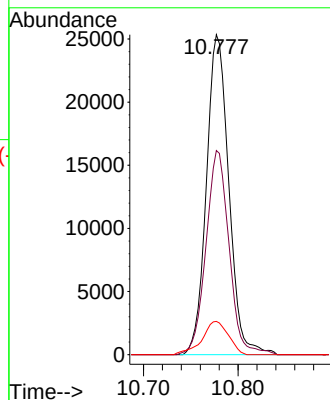
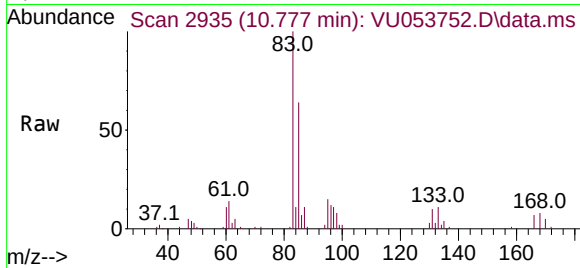




#57
 1,1,2,2-Tetrachloroethane
 Concen: 4.951 ug/L
 RT: 10.777 min Scan# 2935
 Delta R.T. 0.000 min
 Lab File: VU053752.D
 Acq: 18 Apr 2023 11:04

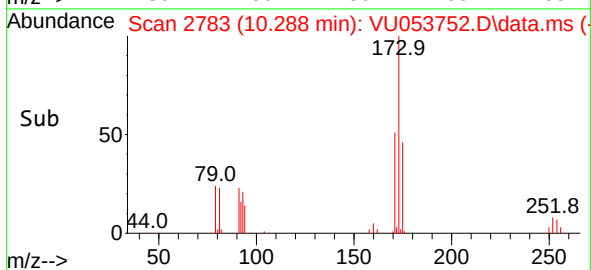
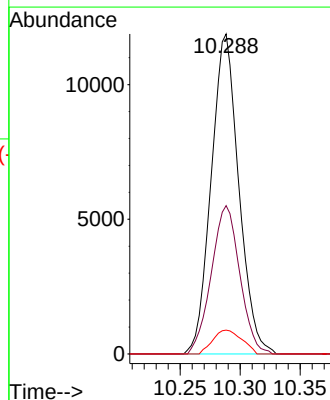
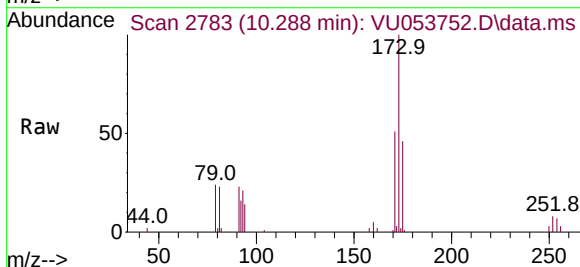
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005153

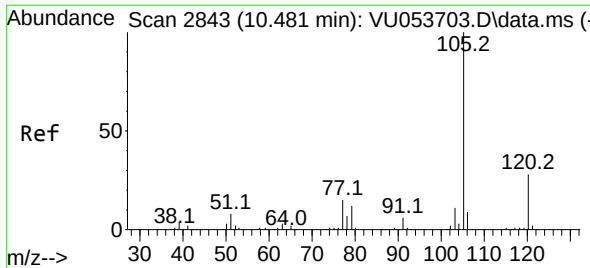
Tgt Ion: 83 Resp: 41746
 Ion Ratio Lower Upper
 83 100
 85 63.8 43.8 81.4
 131 10.4 7.2 10.8



#59
 Bromoform
 Concen: 5.105 ug/L
 RT: 10.288 min Scan# 2783
 Delta R.T. 0.000 min
 Lab File: VU053752.D
 Acq: 18 Apr 2023 11:04

Tgt Ion: 173 Resp: 18998
 Ion Ratio Lower Upper
 173 100
 175 47.8 39.9 59.9
 254 7.8 6.6 9.8

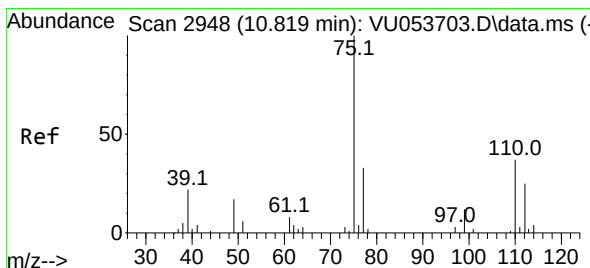
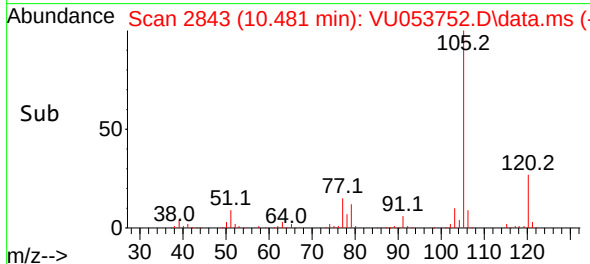
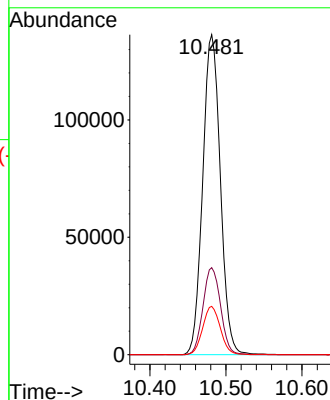
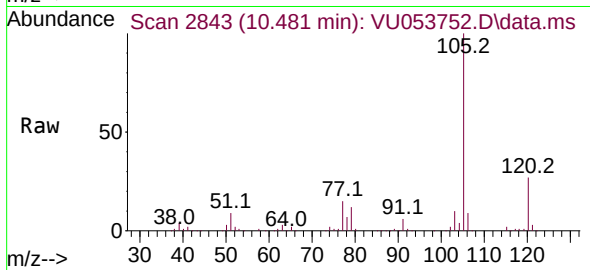




#60
Isopropylbenzene
Concen: 4.999 ug/L
RT: 10.481 min Scan# 219460
Delta R.T. 0.000 min
Lab File: VU053752.D
Acq: 18 Apr 2023 11:04

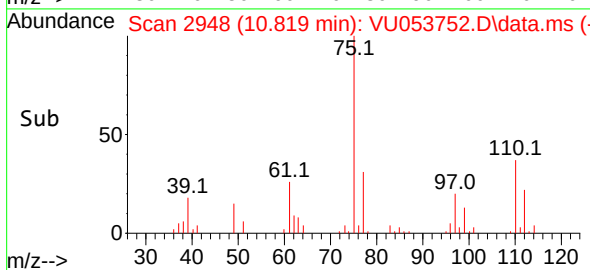
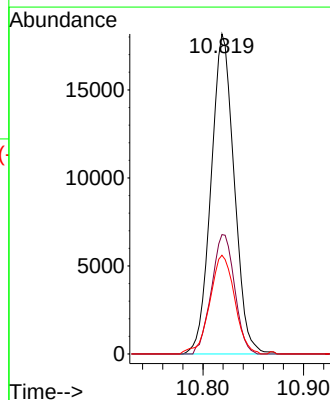
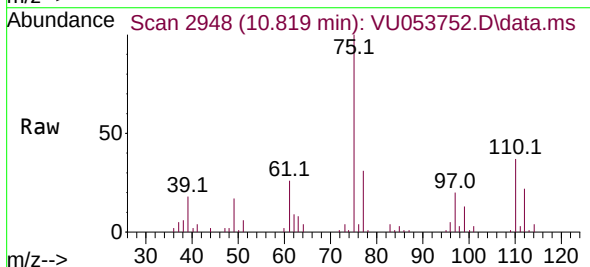
Instrument :
MSVOA_U
ClientSampleId :
VSTD005153

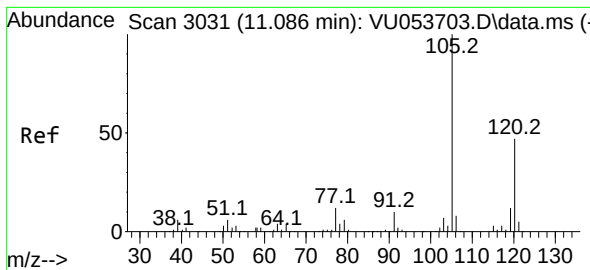
Tgt Ion:105 Resp: 219460
Ion Ratio Lower Upper
105 100
120 27.1 21.5 32.3
77 15.1 13.0 19.4



#61
1,2,3-Trichloropropane
Concen: 4.856 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. 0.000 min
Lab File: VU053752.D
Acq: 18 Apr 2023 11:04

Tgt Ion: 75 Resp: 29079
Ion Ratio Lower Upper
75 100
110 37.3 30.6 46.0
77 33.1 26.1 39.1





#62

1,3,5-Trimethylbenzene

Concen: 5.039 ug/L

RT: 11.086 min Scan# 3031

Delta R.T. 0.000 min

Lab File: VU053752.D

Acq: 18 Apr 2023 11:04

Instrument :

MSVOA_U

ClientSampleId :

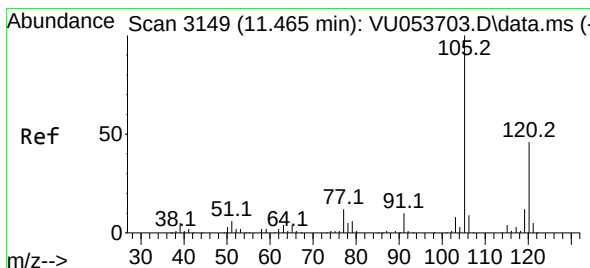
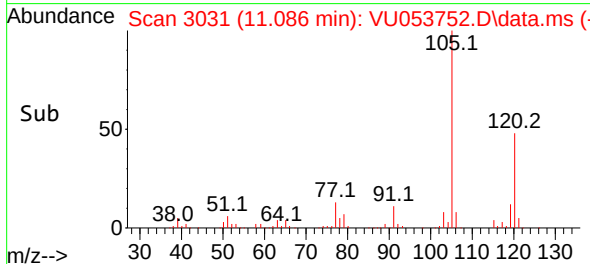
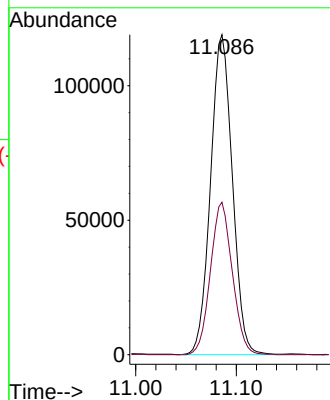
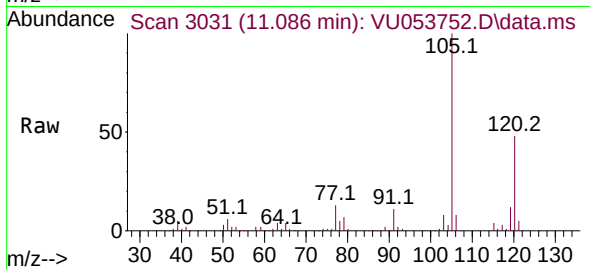
VSTD005153

Tgt Ion:105 Resp: 179504

Ion Ratio Lower Upper

105 100

120 47.7 37.8 56.8



#63

1,2,4-Trimethylbenzene

Concen: 5.024 ug/L

RT: 11.465 min Scan# 3149

Delta R.T. 0.000 min

Lab File: VU053752.D

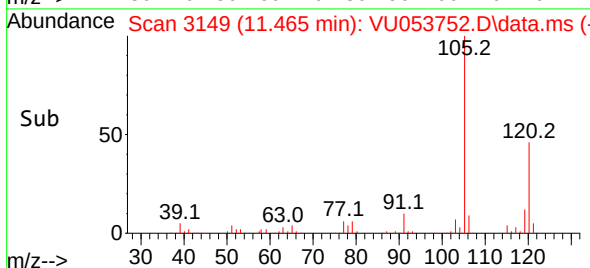
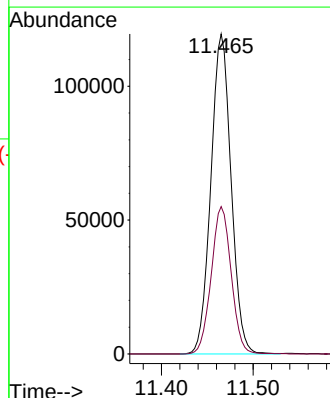
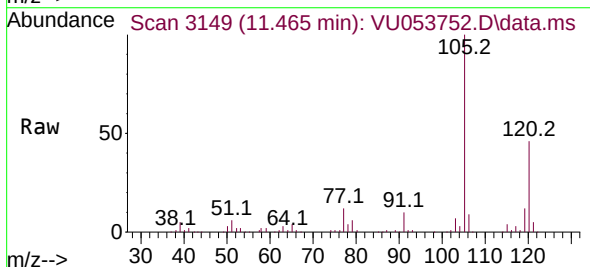
Acq: 18 Apr 2023 11:04

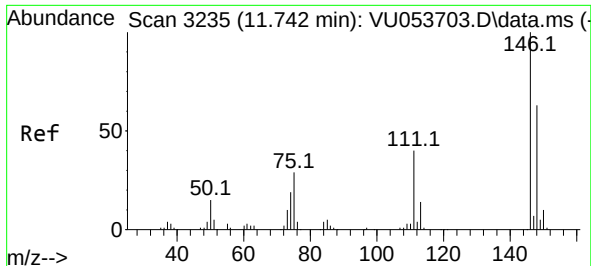
Tgt Ion:105 Resp: 183301

Ion Ratio Lower Upper

105 100

120 45.4 35.4 53.0

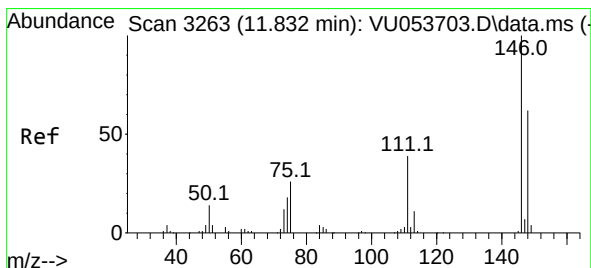
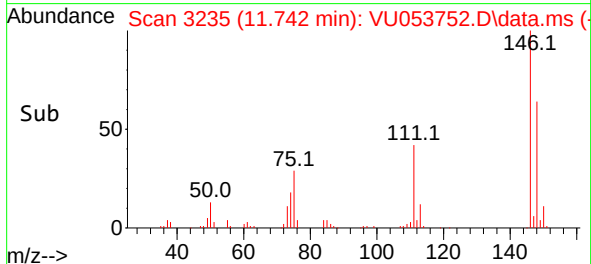
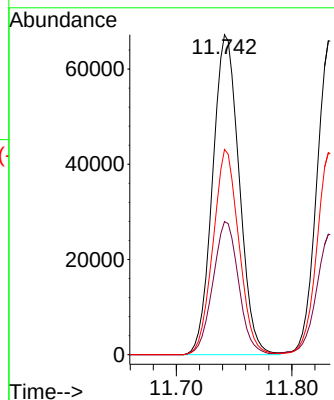
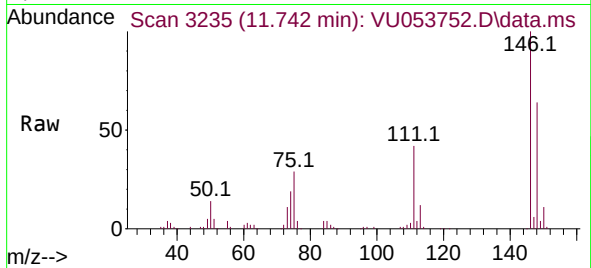




#64
1,3-Dichlorobenzene
Concen: 5.562 ug/L
RT: 11.742 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU053752.D
Acq: 18 Apr 2023 11:04

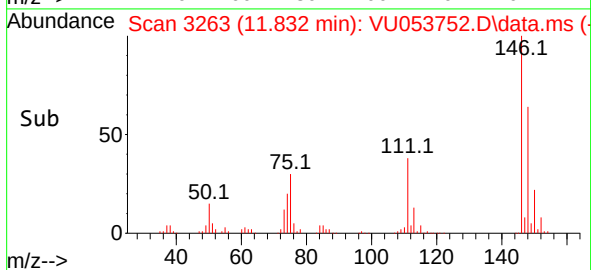
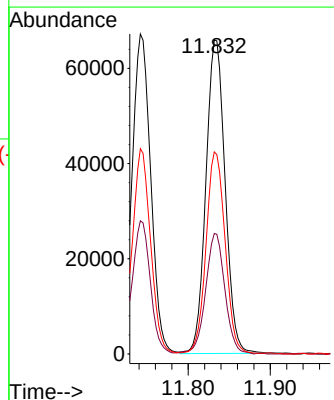
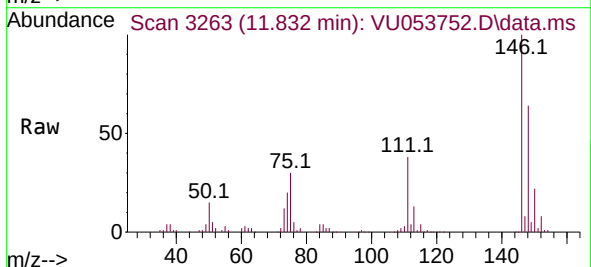
Instrument :
MSVOA_U
ClientSampleId :
VSTD005153

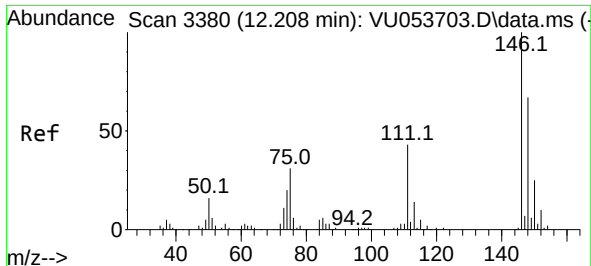
Tgt Ion:146 Resp: 107360
Ion Ratio Lower Upper
146 100
111 41.6 29.4 54.6
148 64.1 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 5.521 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.003 min
Lab File: VU053752.D
Acq: 18 Apr 2023 11:04

Tgt Ion:146 Resp: 107008
Ion Ratio Lower Upper
146 100
111 38.4 29.8 55.4
148 64.4 43.0 80.0





#67

1,2-Dichlorobenzene

Concen: 5.496 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. 0.003 min

Lab File: VU053752.D

Acq: 18 Apr 2023 11:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD005153

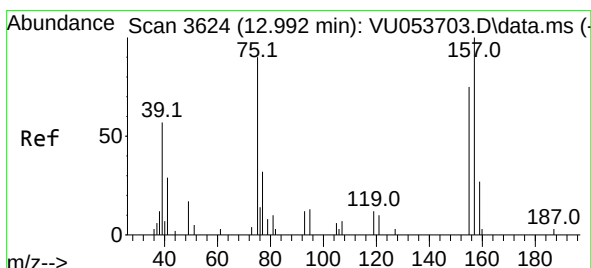
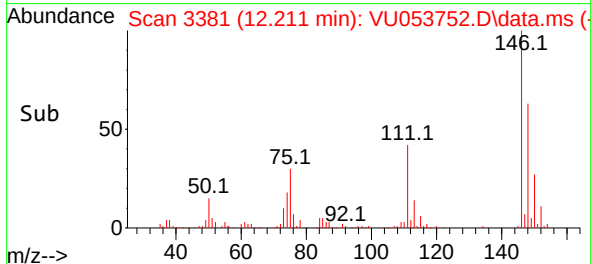
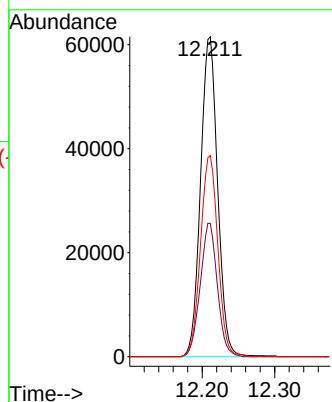
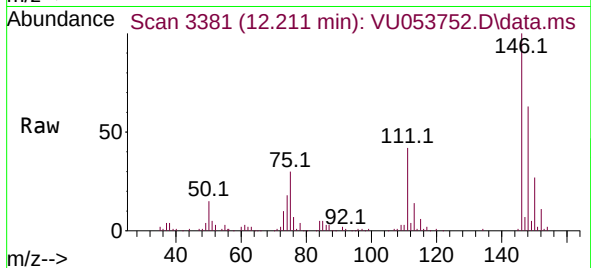
Tgt Ion:146 Resp: 100566

Ion Ratio Lower Upper

146 100

111 41.6 35.0 52.6

148 62.9 48.2 72.4



#68

1,2-Dibromo-3-chloropropane

Concen: 5.133 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. -0.003 min

Lab File: VU053752.D

Acq: 18 Apr 2023 11:04

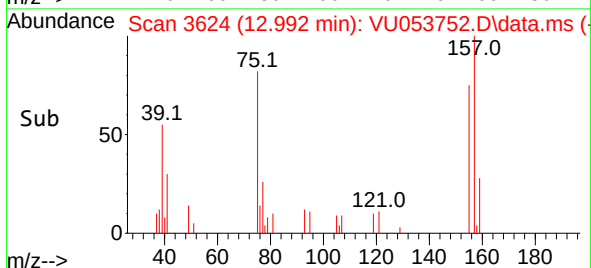
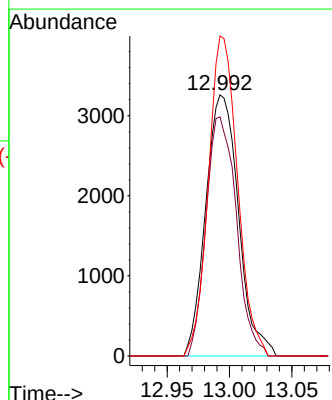
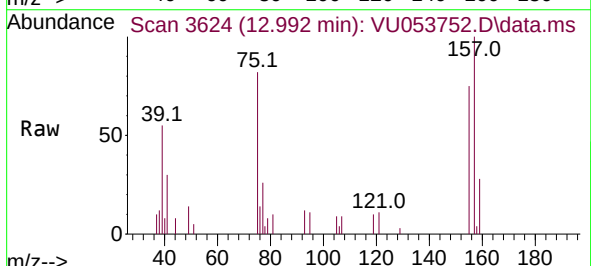
Tgt Ion: 75 Resp: 5960

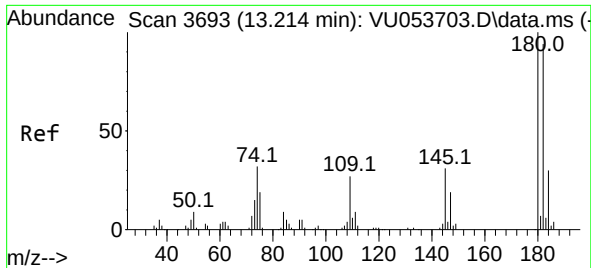
Ion Ratio Lower Upper

75 100

155 91.5 63.9 95.9

157 122.5 74.1 111.1#

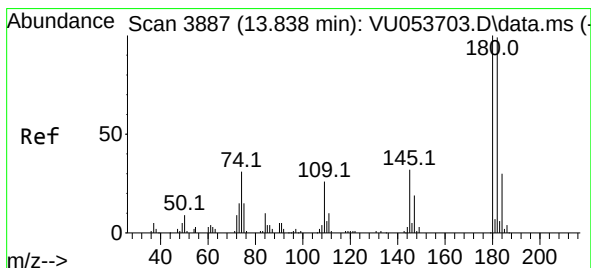
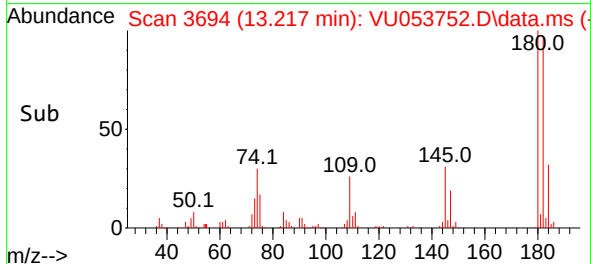
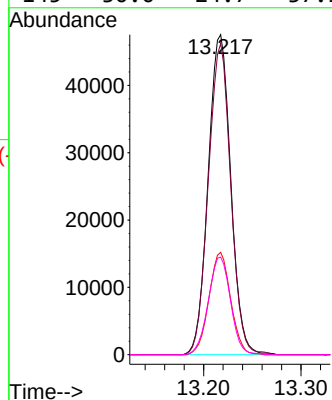
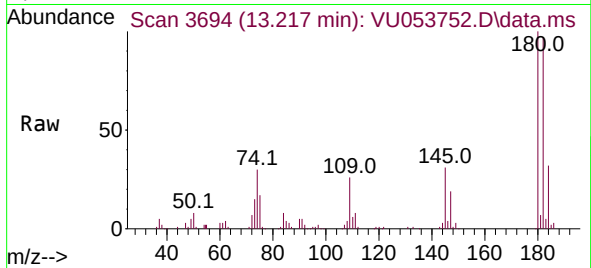




#69
 1,3,5-Trichlorobenzene
 Concen: 5.683 ug/L
 RT: 13.217 min Scan# 3694
 Delta R.T. 0.000 min
 Lab File: VU053752.D
 Acq: 18 Apr 2023 11:04

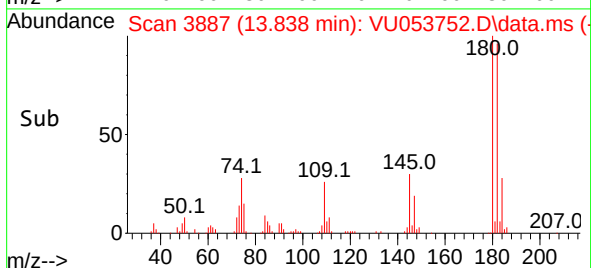
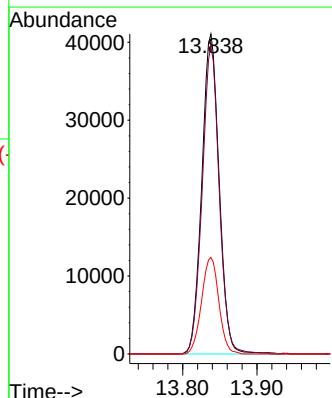
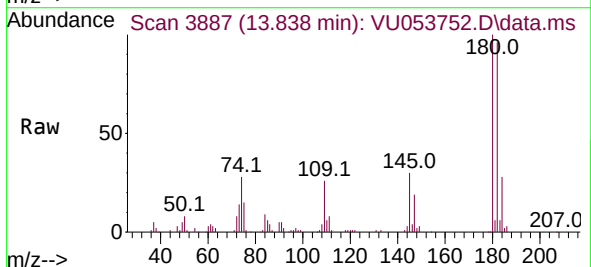
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005153

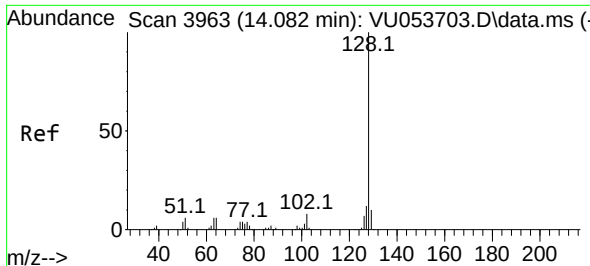
Tgt Ion:180	Resp:	76580
Ion Ratio	Lower	Upper
180	100	
182	96.0	76.7 115.1
184	30.7	24.1 36.1
145	30.0	24.7 37.1



#70
 1,2,4-trichlorobenzene
 Concen: 6.211 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. 0.000 min
 Lab File: VU053752.D
 Acq: 18 Apr 2023 11:04

Tgt Ion:180	Resp:	66544
Ion Ratio	Lower	Upper
180	100	
182	94.8	75.4 113.2
145	30.0	25.8 38.8

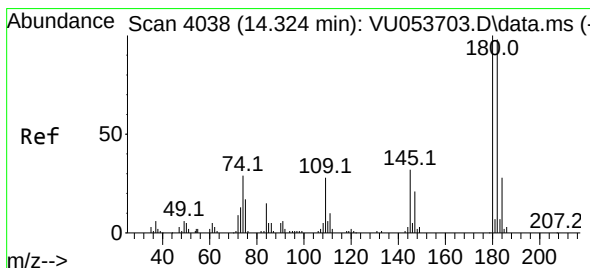
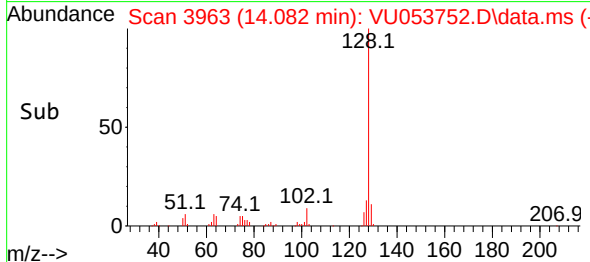
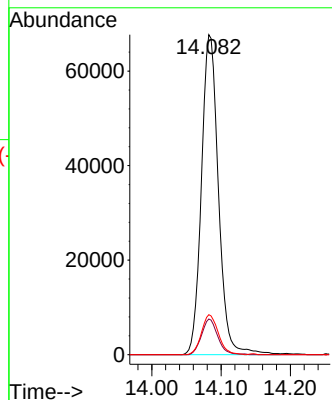
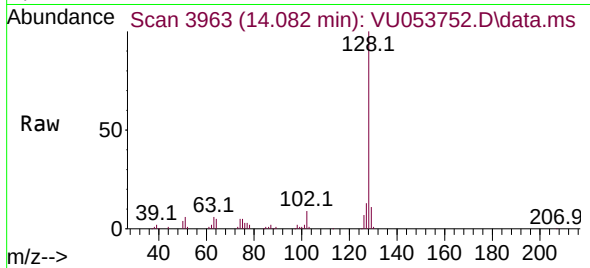




#71
Naphthalene
Concen: 5.722 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. 0.000 min
Lab File: VU053752.D
Acq: 18 Apr 2023 11:04

Instrument :
MSVOA_U
ClientSampleId :
VSTD005153

Tgt Ion:	128	Resp:	115491
Ion Ratio	Lower	Upper	
128	100		
129	10.5	8.2	12.4
127	12.4	10.0	15.0



#72
1,2,3-Trichlorobenzene
Concen: 6.318 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. 0.000 min
Lab File: VU053752.D
Acq: 18 Apr 2023 11:04

Tgt Ion:	180	Resp:	59079
Ion Ratio	Lower	Upper	
180	100		
182	94.6	74.8	112.2
145	33.3	26.3	39.5

