

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050823\
 Data File : VU054074.D
 Acq On : 08 May 2023 12:08
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050093

Quant Time: May 09 04:38:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042923WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat May 06 01:14:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	233342	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	214442	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	119964	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	74427	42.173	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 84.340%			
7) Chloroethane-d5	1.906	69	61835	53.378	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 106.760%			
11) 1,1-Dichloroethene-d2	2.565	63	144829	46.270	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 92.540%			
21) 2-Butanone-d5	4.616	46	97184	96.554	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 96.550%			
24) Chloroform-d	5.057	84	164136	50.640	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 101.280%			
26) 1,2-Dichloroethane-d4	5.694	65	103171	49.576	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 99.160%			
32) Benzene-d6	5.723	84	308050	48.803	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 97.600%			
36) 1,2-Dichloropropane-d6	6.684	67	99098	49.731	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 99.460%			
41) Toluene-d8	7.893	98	288889	50.693	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.380%			
43) trans-1,3-Dichloroprop...	8.176	79	51044	51.762	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 103.520%			
47) 2-Hexanone-d5	8.629	63	63416	88.853	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 88.850%			
56) 1,1,2,2-Tetrachloroeth...	10.751	84	132789	50.591	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 101.180%			
66) 1,2-Dichlorobenzene-d4	12.189	152	121344	51.778	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 103.560%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.382	85	84942	50.454	ug/L	99
3) Chloromethane	1.517	50	72567	46.901	ug/L	97
5) Vinyl chloride	1.604	62	80604	48.979	ug/L	96
6) Bromomethane	1.851	94	41029	44.724	ug/L	94
8) Chloroethane	1.928	64	51476	57.401	ug/L	97
9) Trichlorofluoromethane	2.134	101	132917	50.896	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	80067	51.264	ug/L	98
12) 1,1-Dichloroethene	2.578	96	67369	49.773	ug/L	93
13) Acetone	2.626	43	125434	126.966	ug/L	100
14) Carbon disulfide	2.790	76	149559	49.784	ug/L	100
15) Methyl Acetate	2.945	43	73269	47.357	ug/L	97
16) Methylene chloride	3.041	84	81442	47.709	ug/L	99
17) trans-1,2-Dichloroethene	3.346	96	68057	49.173	ug/L	96
18) Methyl tert-butyl Ether	3.359	73	250659	49.263	ug/L	98
19) 1,1-Dichloroethane	3.864	63	147889	49.767	ug/L	99
20) cis-1,2-Dichloroethene	4.661	96	83387	49.028	ug/L	96
22) 2-Butanone	4.697	43	133664	114.597	ug/L	96
23) Bromochloromethane	4.967	128	43837	49.715	ug/L	98
25) Chloroform	5.083	83	159440	50.845	ug/L	99

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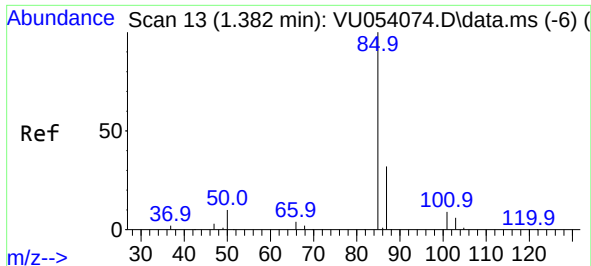
Quant Time: May 09 04:38:30 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	119643	49.603	ug/L	100
29) Cyclohexane	5.385	56	108014	48.737	ug/L	97
30) 1,1,1-Trichloroethane	5.311	97	136976	51.246	ug/L	99
31) Carbon tetrachloride	5.520	117	118622	52.020	ug/L	100
33) Benzene	5.768	78	312806	50.115	ug/L	100
34) Trichloroethene	6.536	95	83456	50.377	ug/L	98
35) Methylcyclohexane	6.758	83	113975	49.055	ug/L	98
37) 1,2-Dichloropropane	6.784	63	85932	48.662	ug/L	98
38) Bromodichloromethane	7.099	83	116292	52.271	ug/L	98
39) cis-1,3-Dichloropropene	7.604	75	140288	50.783	ug/L	98
40) 4-Methyl-2-pentanone	7.787	43	196496	95.483	ug/L	99
42) Toluene	7.964	91	335987	51.707	ug/L	100
44) trans-1,3-Dichloropropene	8.205	75	135223	51.507	ug/L	100
45) 1,1,2-Trichloroethane	8.394	97	87244	51.043	ug/L	96
46) Tetrachloroethene	8.549	164	67082	51.041	ug/L	98
48) 2-Hexanone	8.681	43	175133	107.384	ug/L	99
49) Dibromochloromethane	8.806	129	89064	52.880	ug/L	95
50) 1,2-Dibromoethane	8.919	107	90708	52.285	ug/L	99
51) Chlorobenzene	9.443	112	224537	51.664	ug/L	99
52) Ethylbenzene	9.565	91	378124	51.703	ug/L	98
53) m,p-Xylene	9.690	106	142274	51.808	ug/L	94
54) o-Xylene	10.095	106	143278	53.330	ug/L	97
55) Styrene	10.111	104	246451	53.481	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.777	83	134455	49.937	ug/L	97
59) Bromoform	10.285	173	70243	52.301	ug/L	98
60) 1,2,3-Trichloropropane	10.819	75	104553	46.921	ug/L	100
61) Isopropylbenzene	10.481	105	384293	50.747	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	318091	51.260	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	315579	51.595	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	189387	51.136	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	192454	51.023	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	189546	50.710	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.992	75	26990	47.478	ug/L	93
69) 1,3,5-Trichlorobenzene	13.214	180	138086	51.452	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	120094	49.360	ug/L	99
71) Naphthalene	14.082	128	323954	45.905	ug/L	99
72) 1,2,3-Trichlorobenzene	14.323	180	122484	50.607	ug/L	98

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

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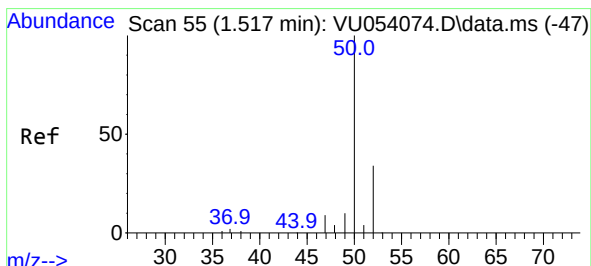
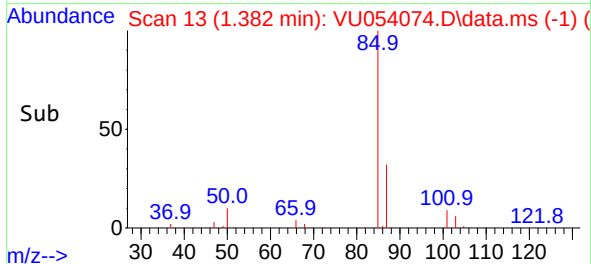
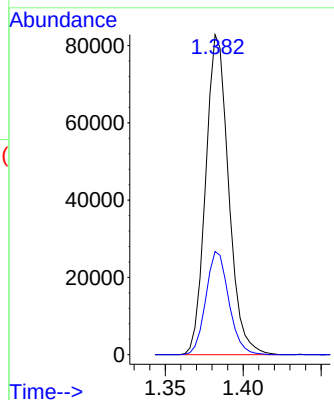
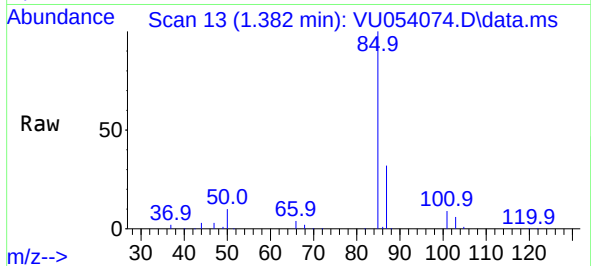




#2
Dichlorodifluoromethane
Concen: 50.454 ug/L
RT: 1.382 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU054074.D
Acq: 08 May 2023 12:08

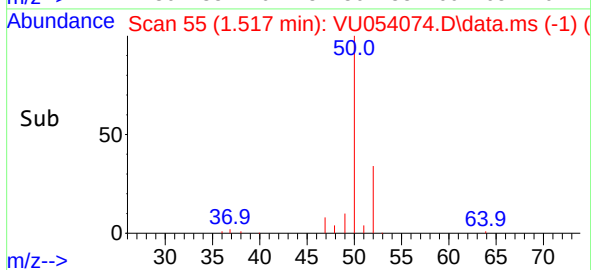
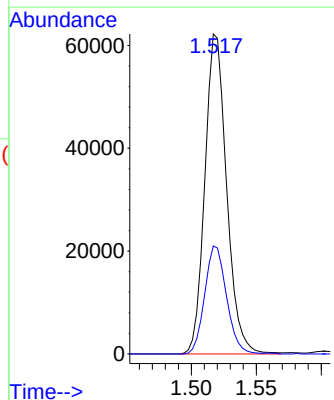
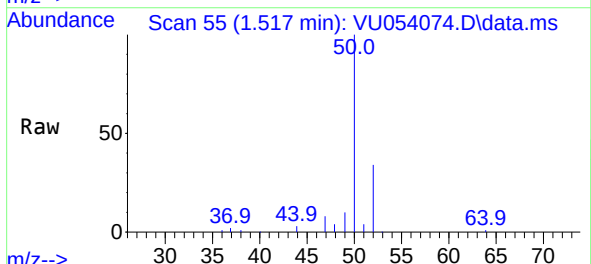
Instrument :
MSVOA_U
ClientSampleId :
VSTD050093

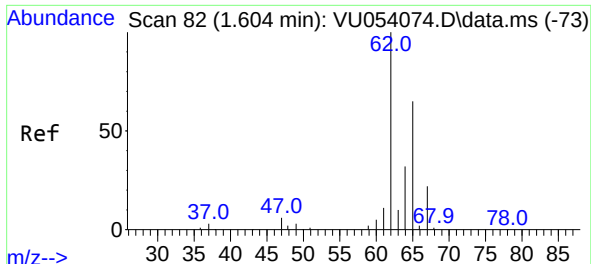
Tgt Ion: 85 Resp: 84942
Ion Ratio Lower Upper
85 100
87 32.2 26.0 39.0



#3
Chloromethane
Concen: 46.901 ug/L
RT: 1.517 min Scan# 55
Delta R.T. -0.003 min
Lab File: VU054074.D
Acq: 08 May 2023 12:08

Tgt Ion: 50 Resp: 72567
Ion Ratio Lower Upper
50 100
52 33.7 22.4 41.6

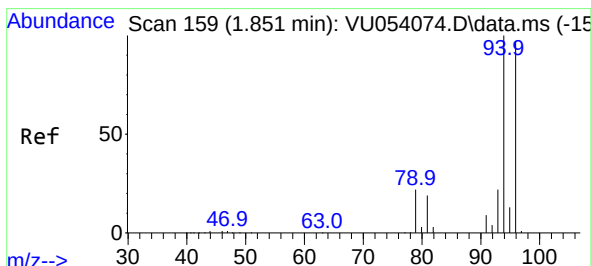
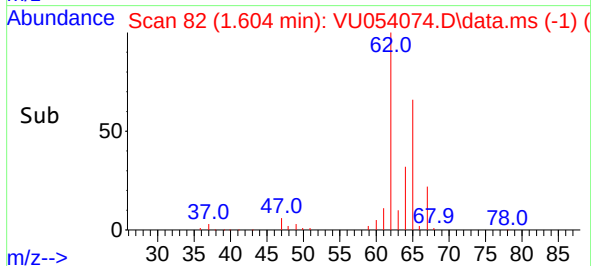
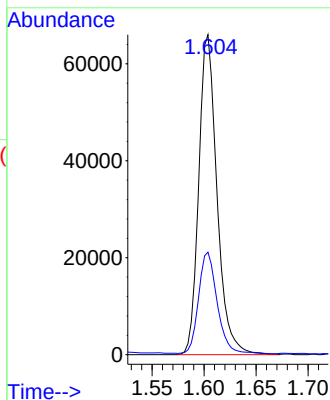
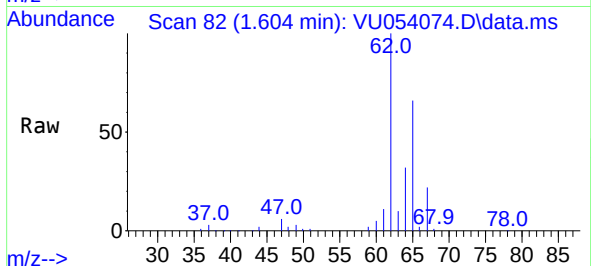




#5
 Vinyl chloride
 Concen: 48.979 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU054074.D
 Acq: 08 May 2023 12:08

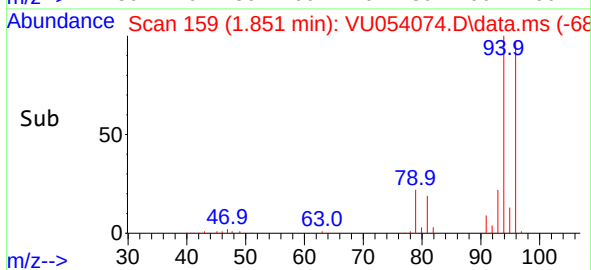
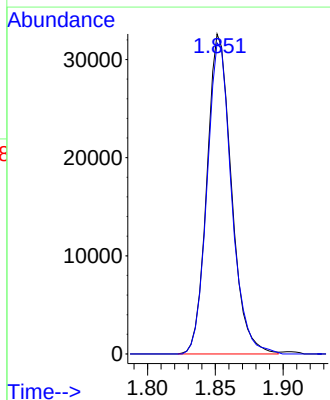
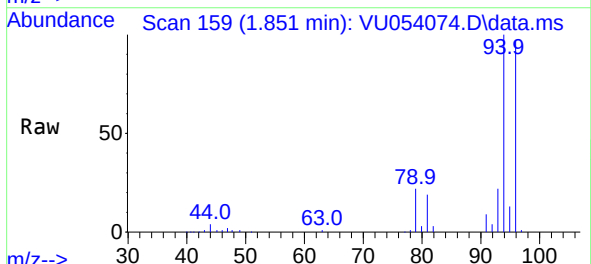
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 ClientSampleId :
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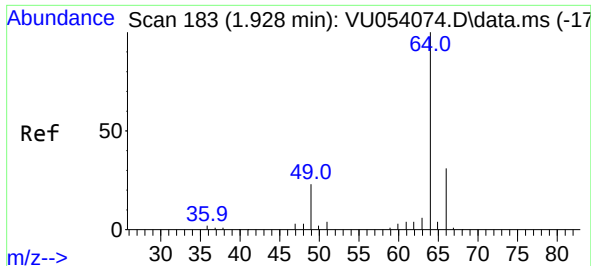
Tgt Ion: 62 Resp: 80604
 Ion Ratio Lower Upper
 62 100
 64 32.0 24.1 44.7



#6
 Bromomethane
 Concen: 44.724 ug/L
 RT: 1.851 min Scan# 159
 Delta R.T. -0.006 min
 Lab File: VU054074.D
 Acq: 08 May 2023 12:08

Tgt Ion: 94 Resp: 41029
 Ion Ratio Lower Upper
 94 100
 96 97.2 63.9 118.7

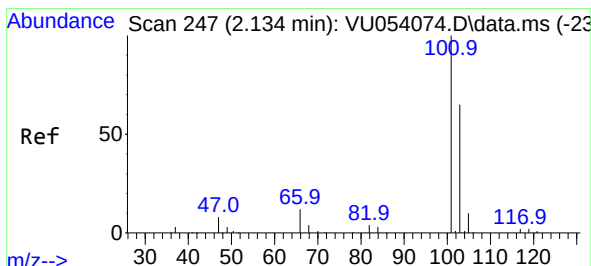
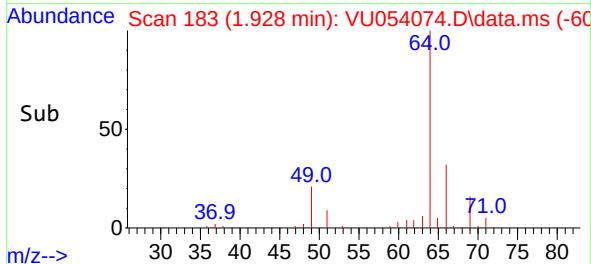
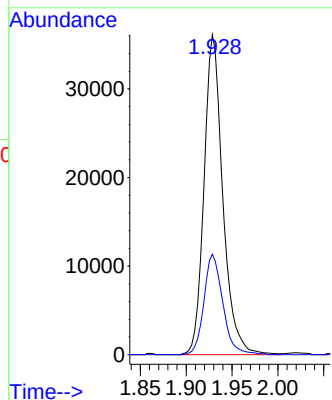
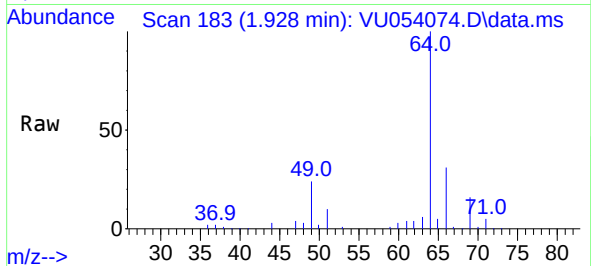




#8
Chloroethane
Concen: 57.401 ug/L
RT: 1.928 min Scan# 183
Delta R.T. -0.003 min
Lab File: VU054074.D
Acq: 08 May 2023 12:08

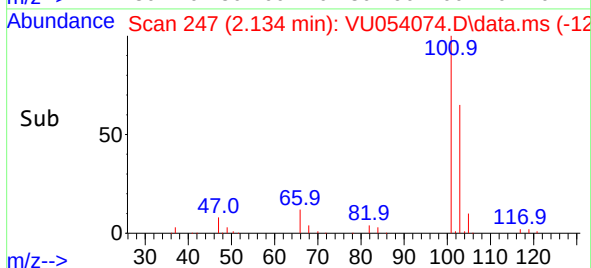
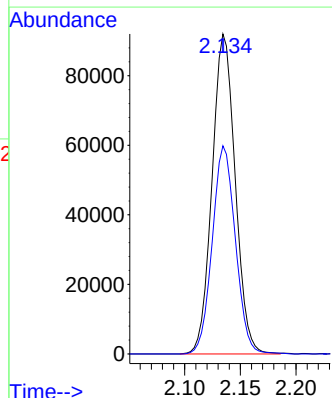
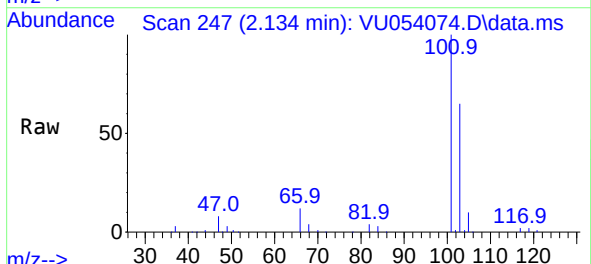
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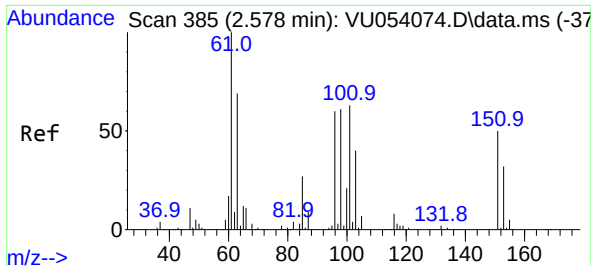
Tgt Ion: 64 Resp: 51476
Ion Ratio Lower Upper
64 100
66 31.4 23.1 42.9



#9
Trichlorofluoromethane
Concen: 50.896 ug/L
RT: 2.134 min Scan# 247
Delta R.T. -0.003 min
Lab File: VU054074.D
Acq: 08 May 2023 12:08

Tgt Ion:101 Resp: 132917
Ion Ratio Lower Upper
101 100
103 65.1 51.0 76.4

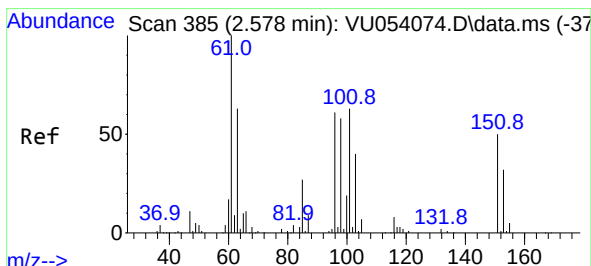
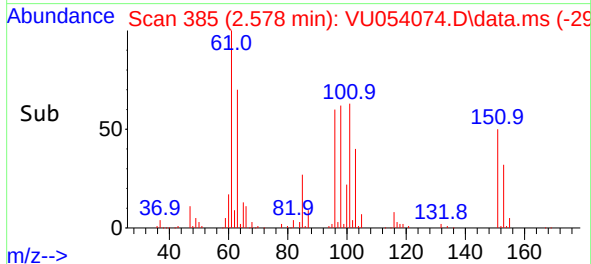
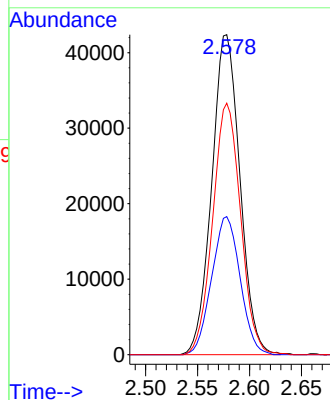
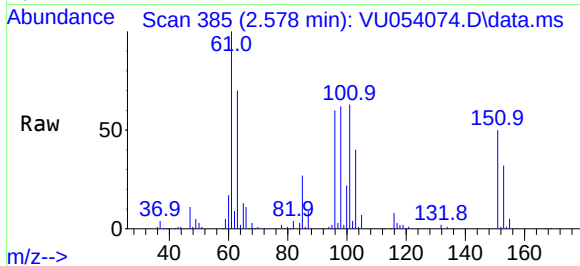




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 51.264 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU054074.D
 Acq: 08 May 2023 12:08

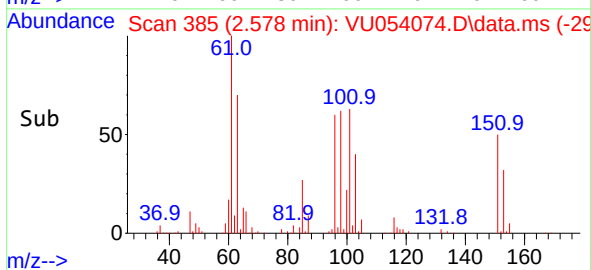
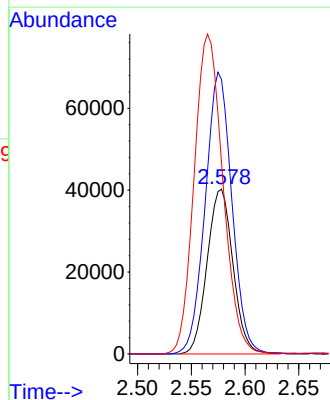
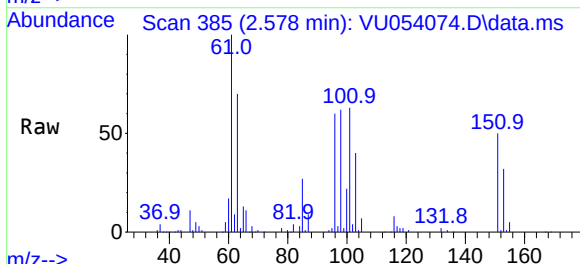
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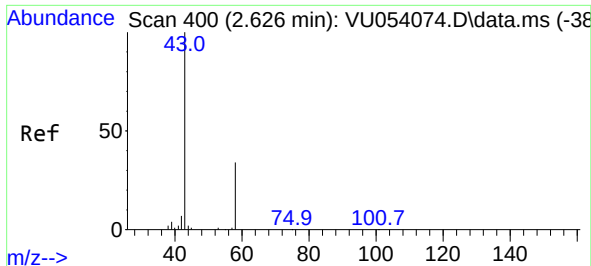
Tgt Ion:101 Resp: 80067
 Ion Ratio Lower Upper
 101 100
 85 43.5 34.3 51.5
 151 77.8 60.3 90.5



#12
 1,1-Dichloroethene
 Concen: 49.773 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU054074.D
 Acq: 08 May 2023 12:08

Tgt Ion: 96 Resp: 67369
 Ion Ratio Lower Upper
 96 100
 61 166.7 118.3 219.7
 63 116.5 92.3 171.5





#13

Acetone

Concen: 126.966 ug/L

RT: 2.626 min Scan# 400

Delta R.T. -0.006 min

Lab File: VU054074.D

Acq: 08 May 2023 12:08

Instrument :

MSVOA_U

ClientSampleId :

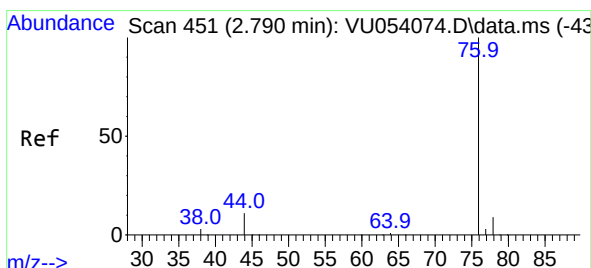
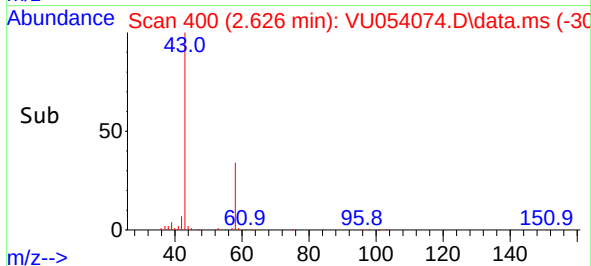
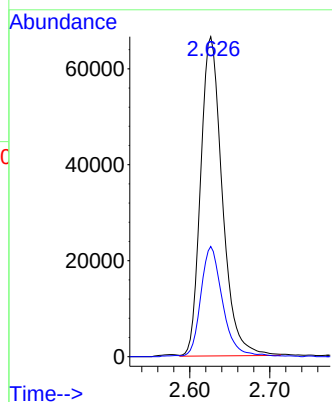
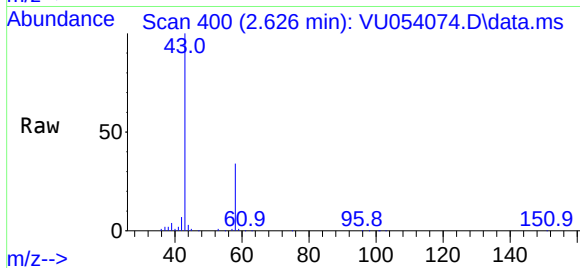
VSTD050093

Tgt Ion: 43 Resp: 125434

Ion Ratio Lower Upper

43 100

58 33.7 0.0 67.4



#14

Carbon disulfide

Concen: 49.784 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU054074.D

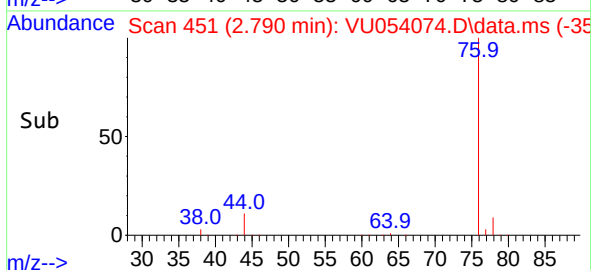
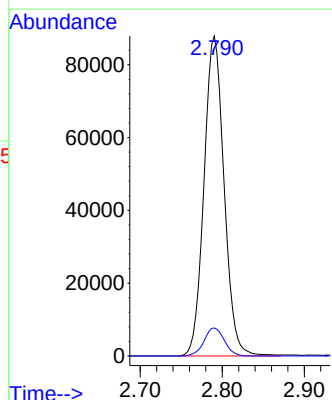
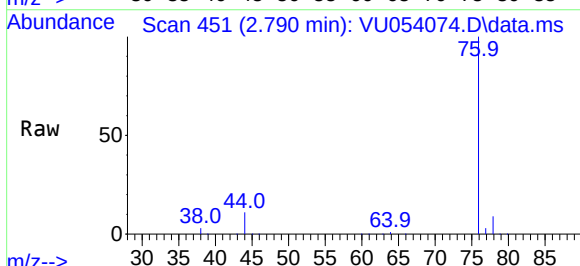
Acq: 08 May 2023 12:08

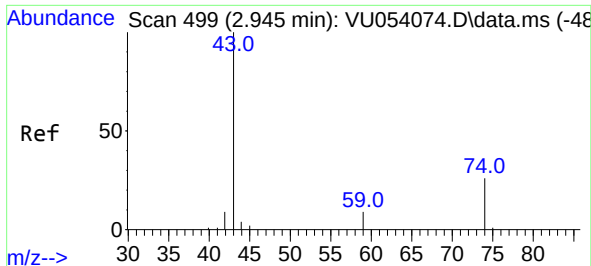
Tgt Ion: 76 Resp: 149559

Ion Ratio Lower Upper

76 100

78 8.7 7.0 10.4

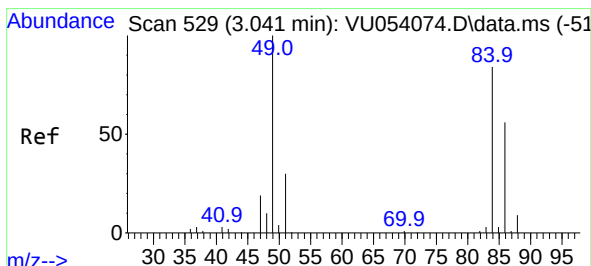
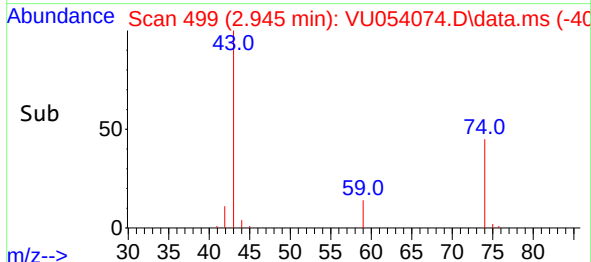
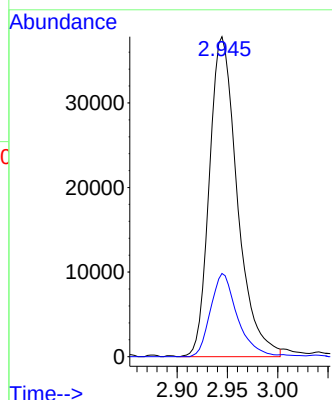
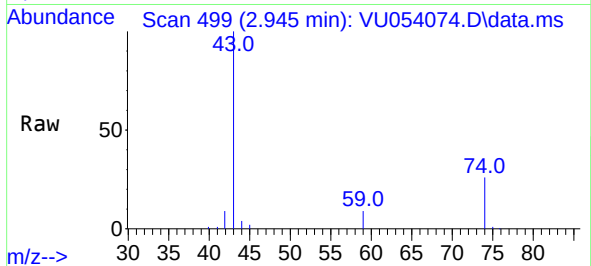




#15
Methyl Acetate
Concen: 47.357 ug/L
RT: 2.945 min Scan# 499
Delta R.T. -0.003 min
Lab File: VU054074.D
Acq: 08 May 2023 12:08

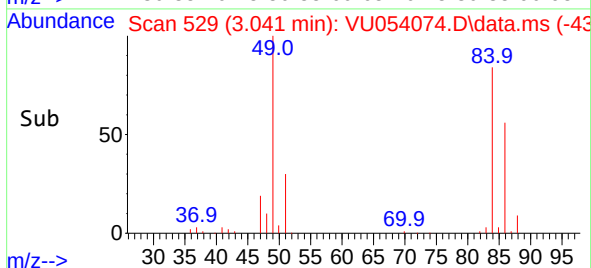
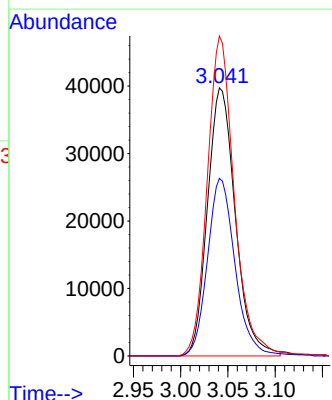
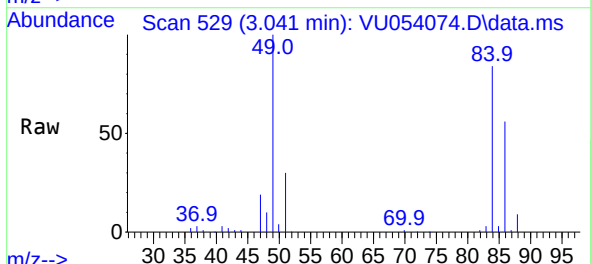
Instrument :
MSVOA_U
ClientSampleId :
VSTD050093

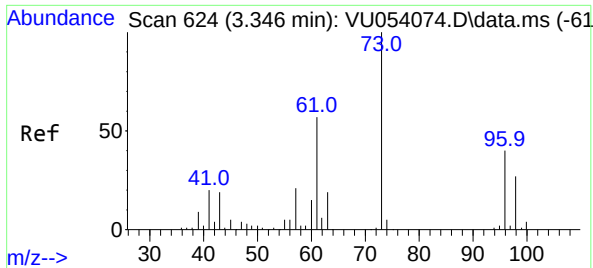
Tgt Ion: 43 Resp: 73269
Ion Ratio Lower Upper
43 100
74 24.9 21.2 31.8



#16
Methylene chloride
Concen: 47.709 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.003 min
Lab File: VU054074.D
Acq: 08 May 2023 12:08

Tgt Ion: 84 Resp: 81442
Ion Ratio Lower Upper
84 100
86 66.3 45.8 85.2
49 119.3 83.0 154.2

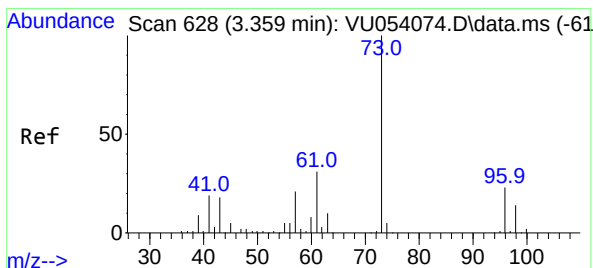
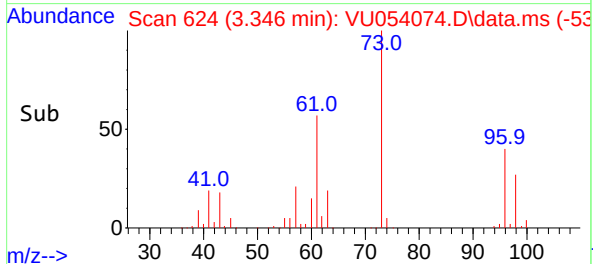
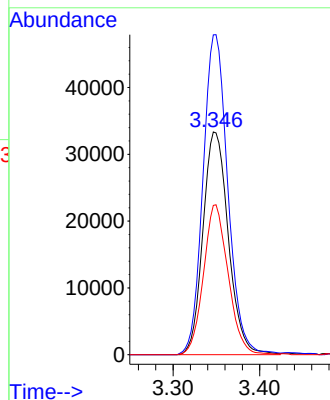
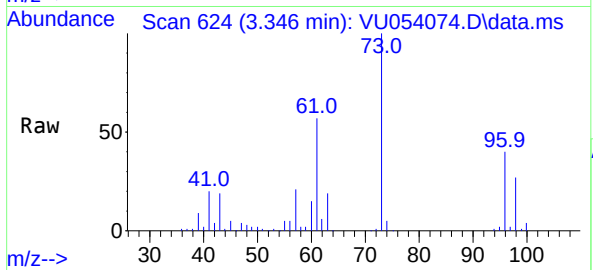




#17
trans-1,2-Dichloroethene
Concen: 49.173 ug/L
RT: 3.346 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU054074.D
Acq: 08 May 2023 12:08

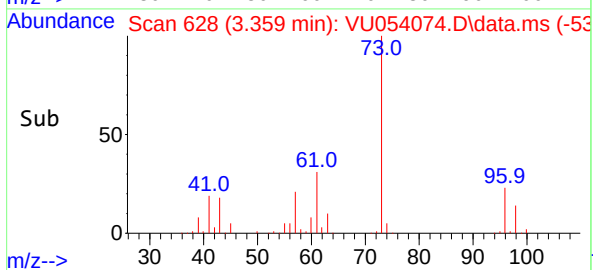
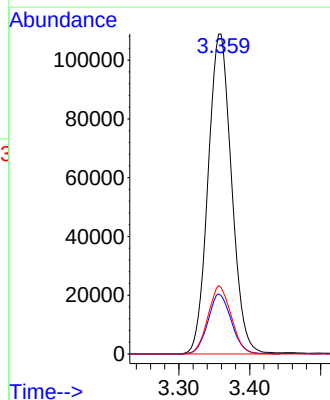
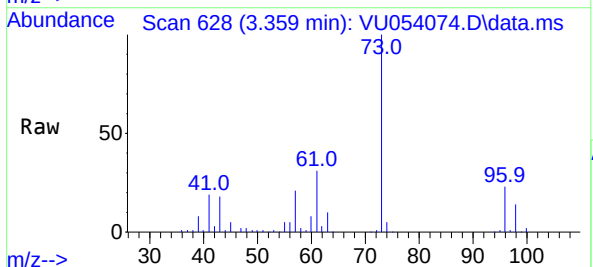
Instrument :
MSVOA_U
ClientSampleId :
VSTD050093

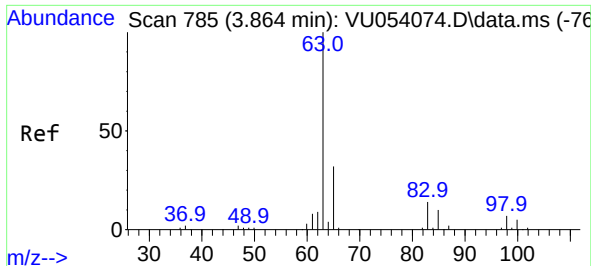
Tgt Ion: 96 Resp: 68057
Ion Ratio Lower Upper
96 100
61 143.7 97.5 181.1
98 67.1 44.8 83.2



#18
Methyl tert-butyl Ether
Concen: 49.263 ug/L
RT: 3.359 min Scan# 628
Delta R.T. 0.000 min
Lab File: VU054074.D
Acq: 08 May 2023 12:08

Tgt Ion: 73 Resp: 250659
Ion Ratio Lower Upper
73 100
43 18.7 15.4 23.0
57 21.0 18.0 27.0

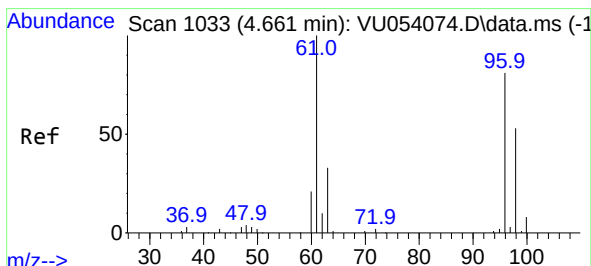
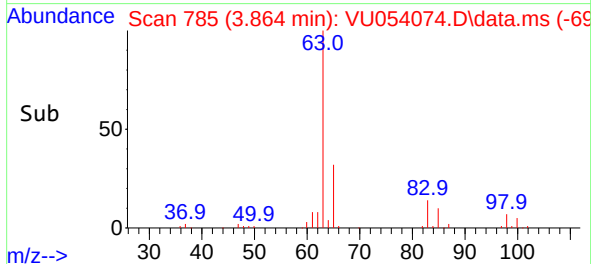
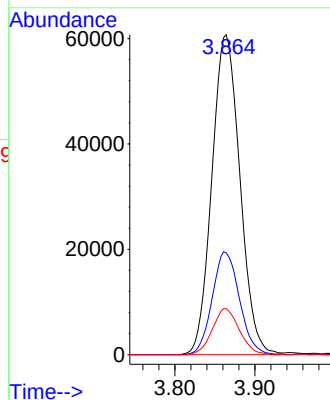
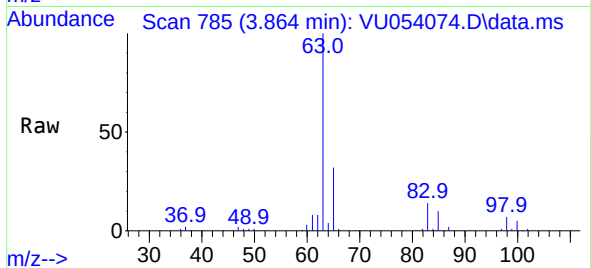




#19
1,1-Dichloroethane
Concen: 49.767 ug/L
RT: 3.864 min Scan# 785
Delta R.T. 0.000 min
Lab File: VU054074.D
Acq: 08 May 2023 12:08

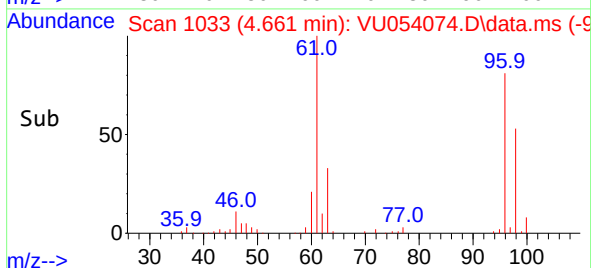
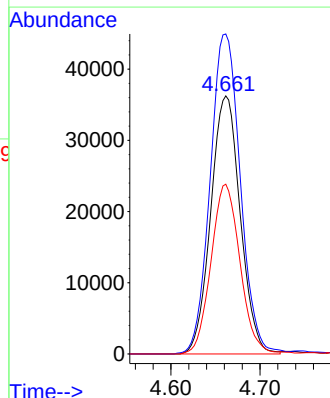
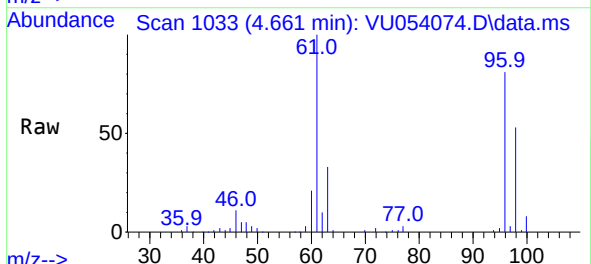
Instrument :
MSVOA_U
ClientSampleId :
VSTD050093

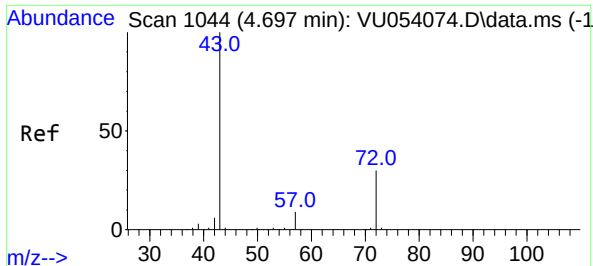
Tgt Ion: 63 Resp: 147889
Ion Ratio Lower Upper
63 100
65 31.8 22.0 40.8
83 14.4 9.9 18.3



#20
cis-1,2-Dichloroethene
Concen: 49.028 ug/L
RT: 4.661 min Scan# 1033
Delta R.T. 0.000 min
Lab File: VU054074.D
Acq: 08 May 2023 12:08

Tgt Ion: 96 Resp: 83387
Ion Ratio Lower Upper
96 100
61 124.0 90.9 168.9
98 65.8 45.7 84.9

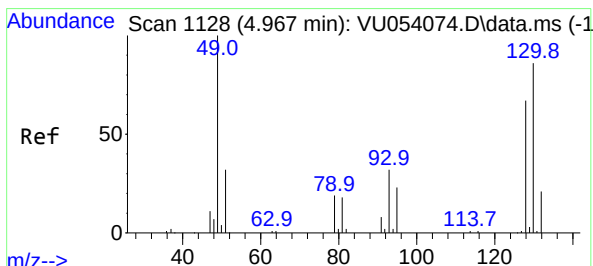
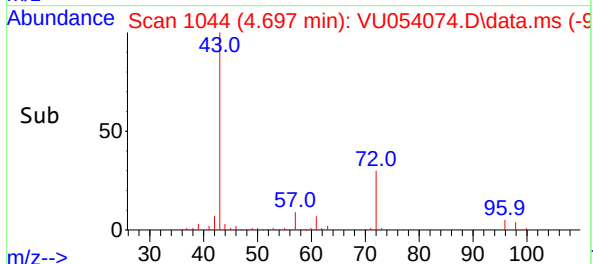
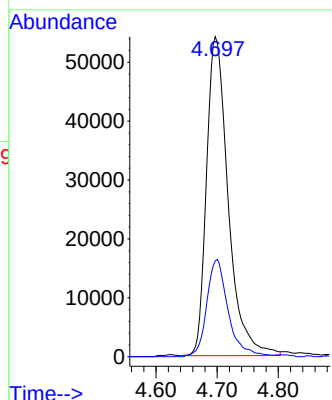
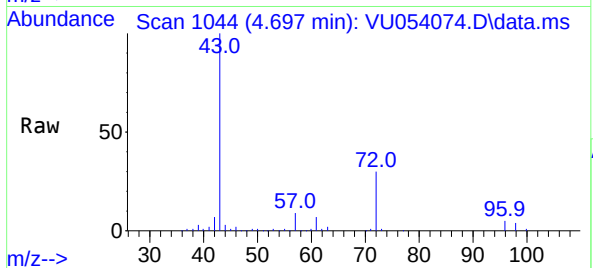




#22
2-Butanone
Concen: 114.597 ug/L
RT: 4.697 min Scan# 1044
Delta R.T. -0.006 min
Lab File: VU054074.D
Acq: 08 May 2023 12:08

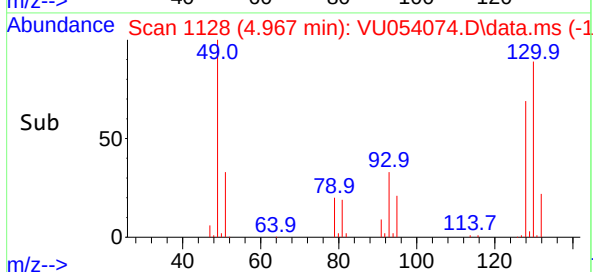
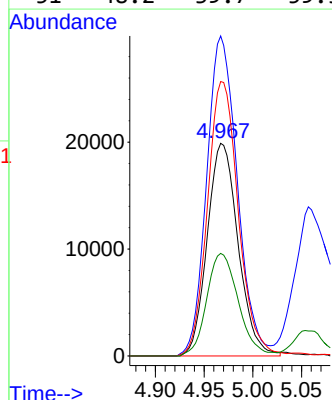
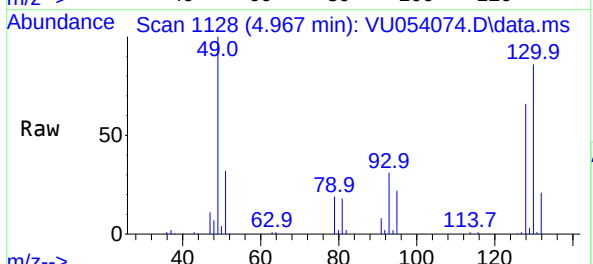
Instrument :
MSVOA_U
ClientSampleId :
VSTD050093

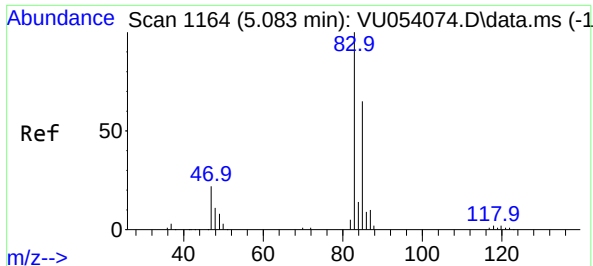
Tgt Ion: 43 Resp: 133664
Ion Ratio Lower Upper
43 100
72 30.1 14.0 41.9



#23
Bromochloromethane
Concen: 49.715 ug/L
RT: 4.967 min Scan# 1128
Delta R.T. -0.003 min
Lab File: VU054074.D
Acq: 08 May 2023 12:08

Tgt Ion:128 Resp: 43837
Ion Ratio Lower Upper
128 100
49 150.5 107.5 199.7
130 129.0 91.0 169.0
51 48.2 39.7 59.5





#25

Chloroform

Concen: 50.845 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. 0.000 min

Lab File: VU054074.D

Acq: 08 May 2023 12:08

Instrument :

MSVOA_U

ClientSampleId :

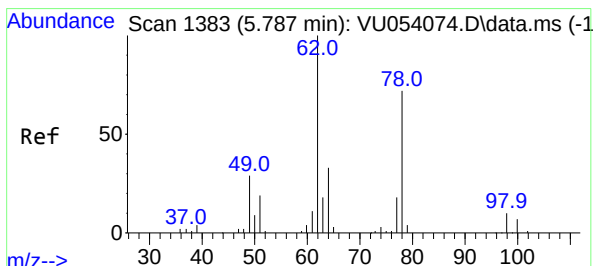
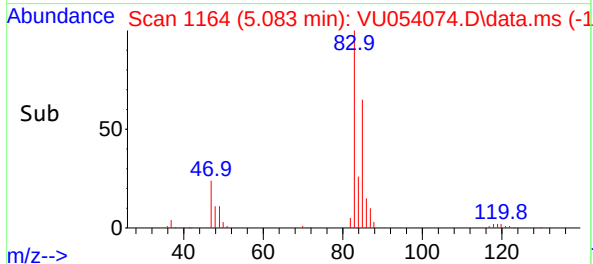
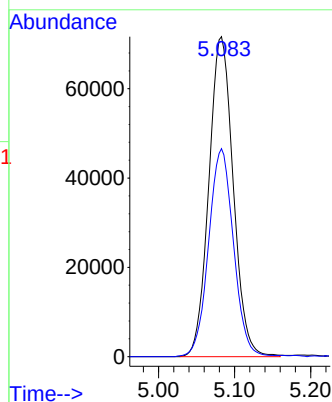
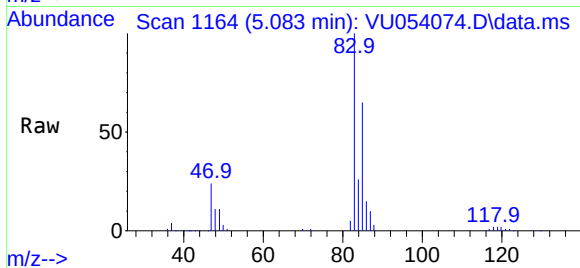
VSTD050093

Tgt Ion: 83 Resp: 159440

Ion Ratio Lower Upper

83 100

85 65.0 45.2 84.0



#27

1,2-Dichloroethane

Concen: 49.603 ug/L

RT: 5.787 min Scan# 1383

Delta R.T. -0.003 min

Lab File: VU054074.D

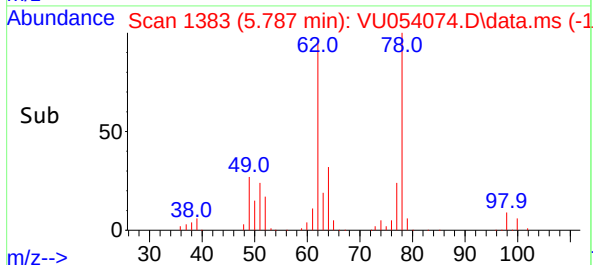
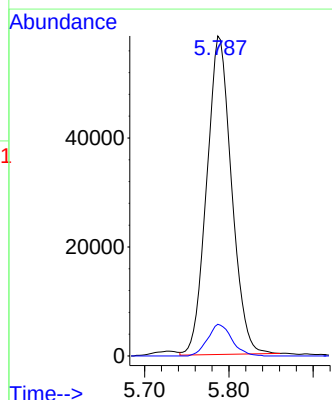
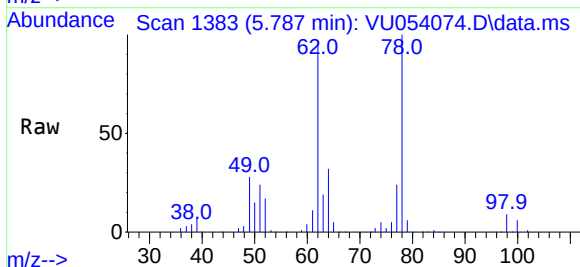
Acq: 08 May 2023 12:08

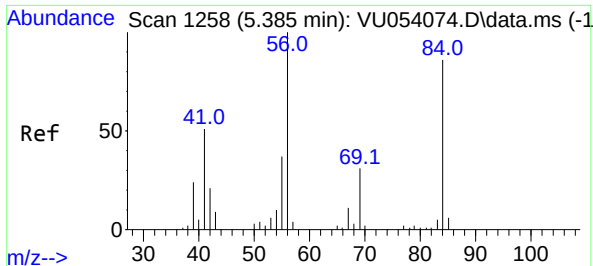
Tgt Ion: 62 Resp: 119643

Ion Ratio Lower Upper

62 100

98 9.9 8.0 12.0





#29

Cyclohexane

Concen: 48.737 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. 0.000 min

Lab File: VU054074.D

Acq: 08 May 2023 12:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD050093

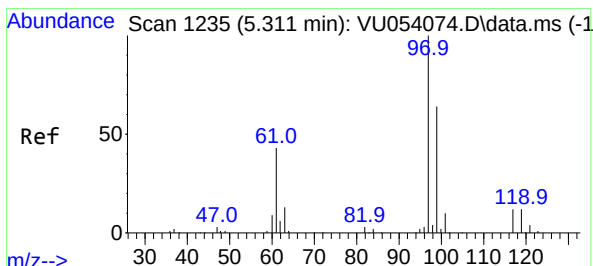
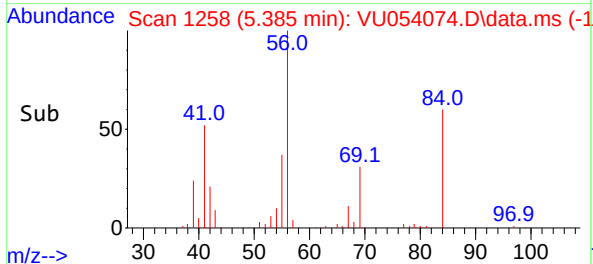
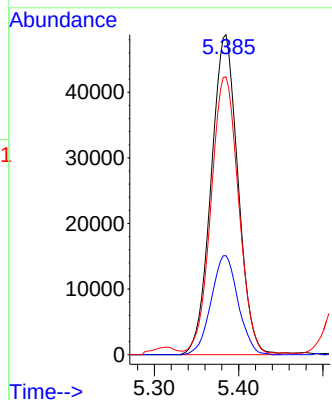
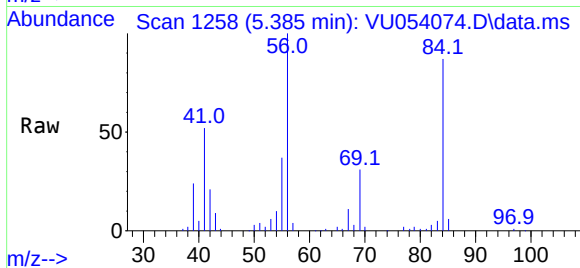
Tgt Ion: 56 Resp: 108014

Ion Ratio Lower Upper

56 100

69 30.9 25.8 38.6

84 89.4 73.6 110.4



#30

1,1,1-Trichloroethane

Concen: 51.246 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. 0.000 min

Lab File: VU054074.D

Acq: 08 May 2023 12:08

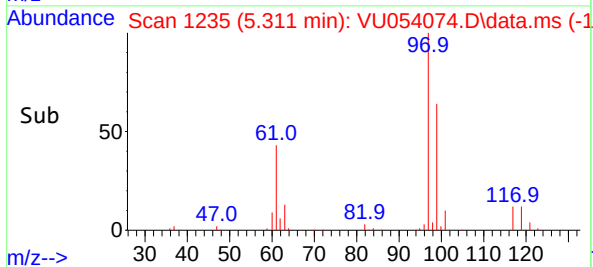
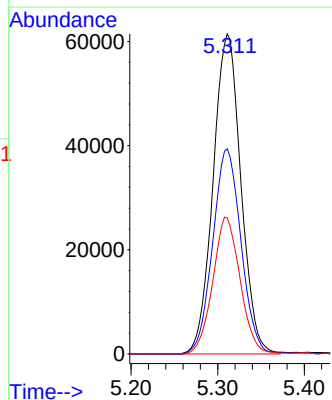
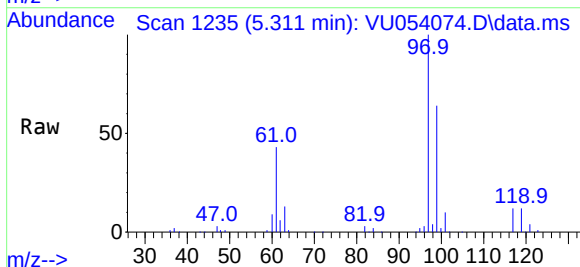
Tgt Ion: 97 Resp: 136976

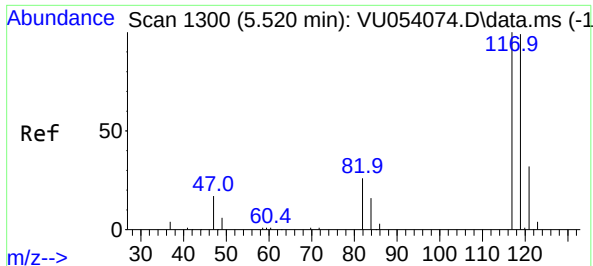
Ion Ratio Lower Upper

97 100

99 65.1 51.2 76.8

61 42.0 34.2 51.4

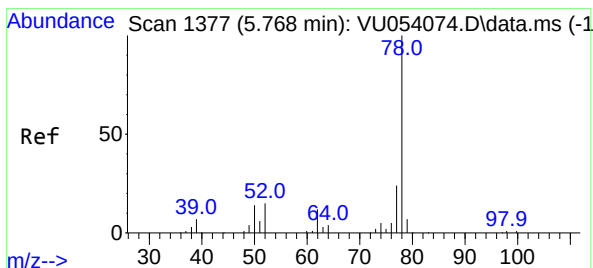
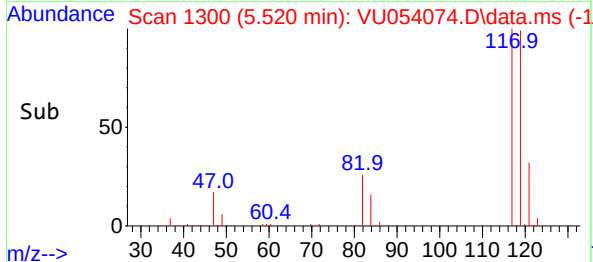
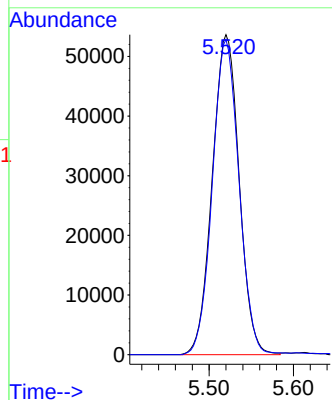
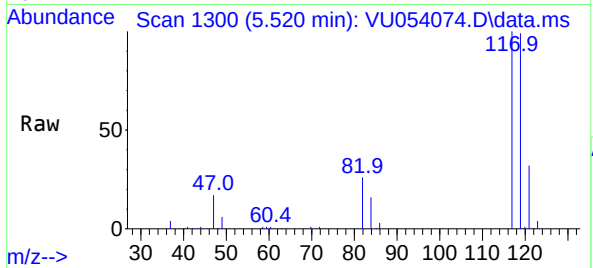




#31
Carbon tetrachloride
Concen: 52.020 ug/L
RT: 5.520 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU054074.D
Acq: 08 May 2023 12:08

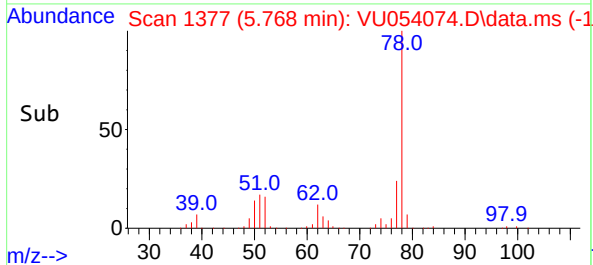
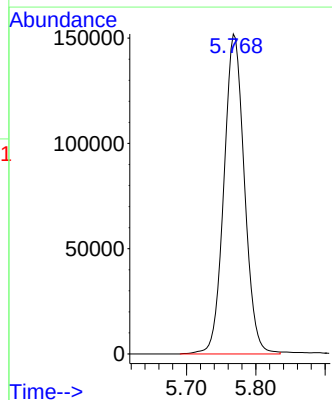
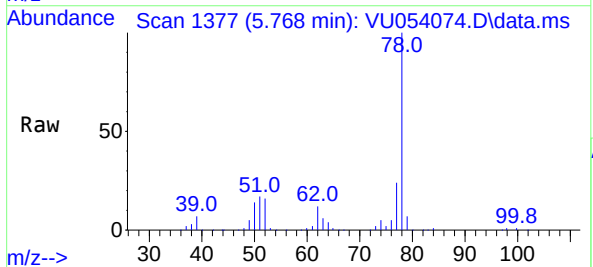
Instrument :
MSVOA_U
ClientSampleId :
VSTD050093

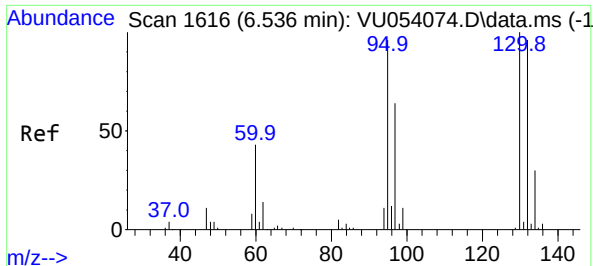
Tgt Ion:117 Resp: 118622
Ion Ratio Lower Upper
117 100
119 97.2 77.8 116.6



#33
Benzene
Concen: 50.115 ug/L
RT: 5.768 min Scan# 1377
Delta R.T. -0.003 min
Lab File: VU054074.D
Acq: 08 May 2023 12:08

Tgt Ion: 78 Resp: 312806



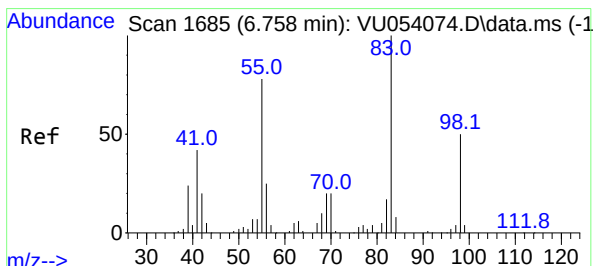
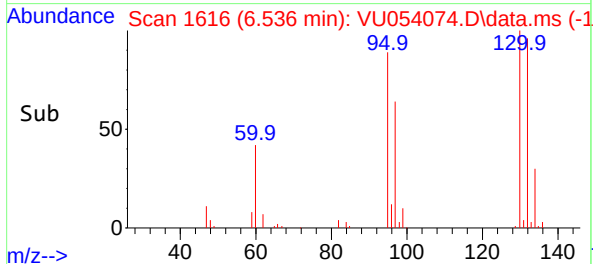
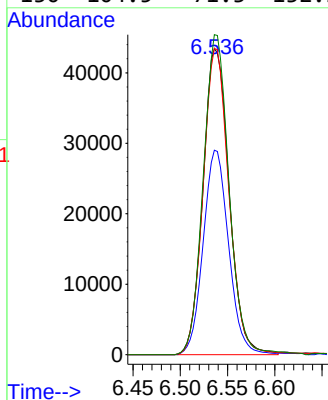
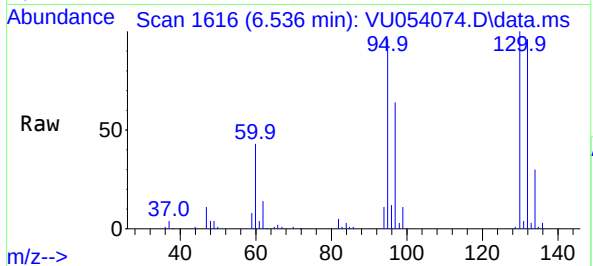


#34
Trichloroethene
Concen: 50.377 ug/L
RT: 6.536 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU054074.D
Acq: 08 May 2023 12:08

Instrument :
MSVOA_U
ClientSampleId :
VSTD050093

Tgt Ion: 95 Resp: 83456

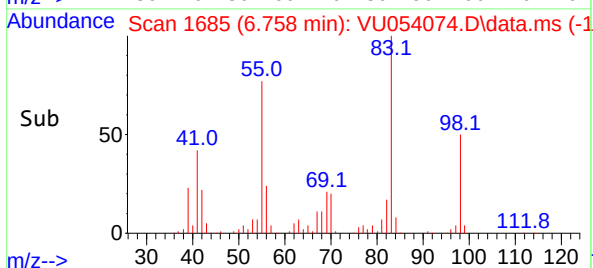
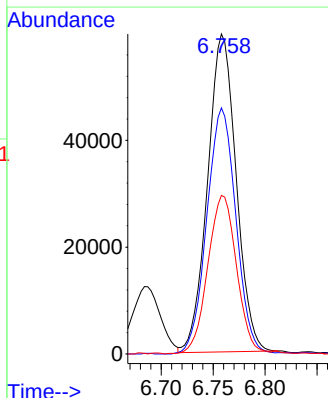
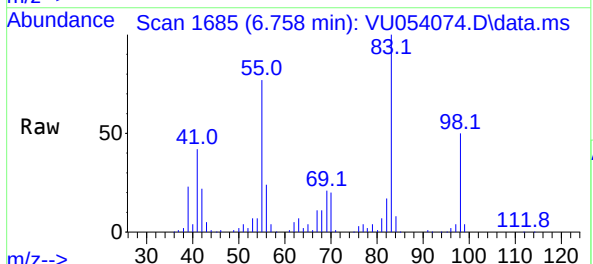
Ion	Ratio	Lower	Upper
95	100		
97	66.8	46.5	86.3
132	100.0	67.8	126.0
130	104.5	71.3	132.3

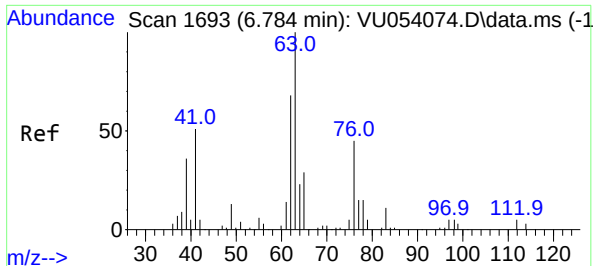


#35
Methylcyclohexane
Concen: 49.055 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.003 min
Lab File: VU054074.D
Acq: 08 May 2023 12:08

Tgt Ion: 83 Resp: 113975

Ion	Ratio	Lower	Upper
83	100		
55	78.9	61.8	92.6
98	50.3	38.4	57.6

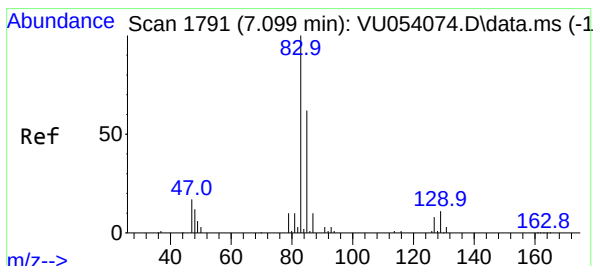
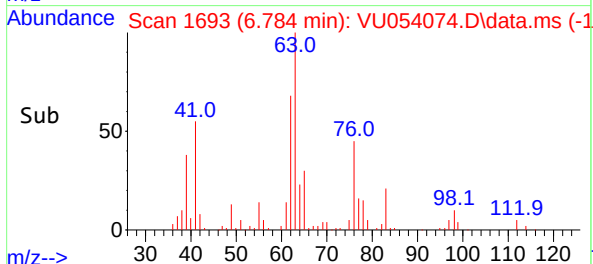
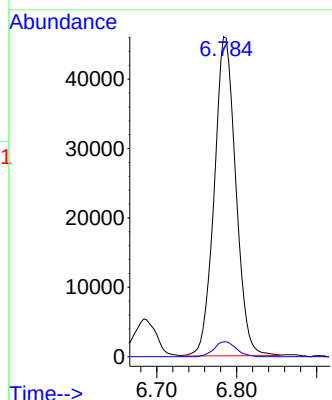
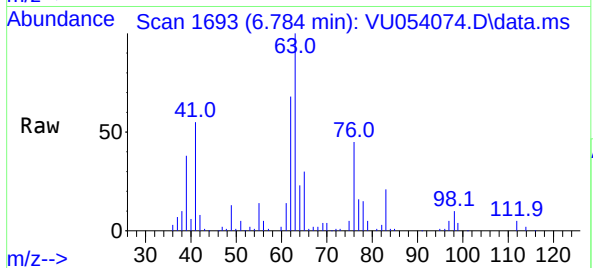




#37
1,2-Dichloropropane
Concen: 48.662 ug/L
RT: 6.784 min Scan# 1693
Delta R.T. -0.003 min
Lab File: VU054074.D
Acq: 08 May 2023 12:08

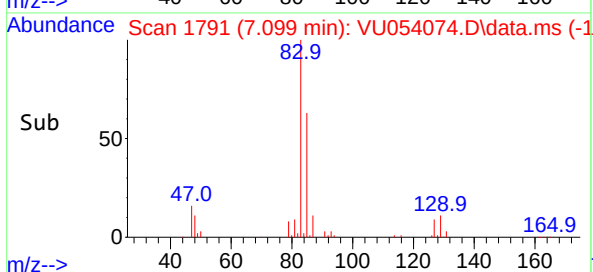
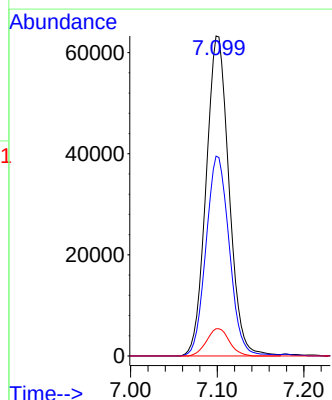
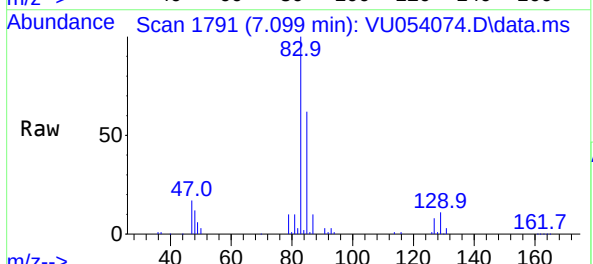
Instrument :
MSVOA_U
ClientSampleId :
VSTD050093

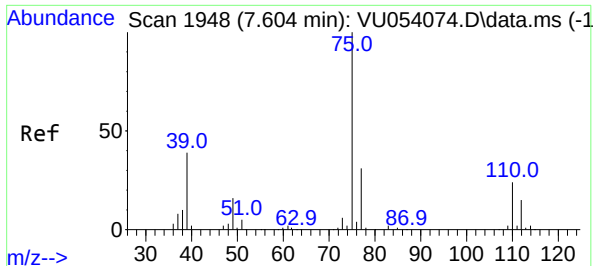
Tgt Ion: 63 Resp: 85932
Ion Ratio Lower Upper
63 100
112 4.8 3.4 5.0



#38
Bromodichloromethane
Concen: 52.271 ug/L
RT: 7.099 min Scan# 1791
Delta R.T. -0.003 min
Lab File: VU054074.D
Acq: 08 May 2023 12:08

Tgt Ion: 83 Resp: 116292
Ion Ratio Lower Upper
83 100
85 62.5 45.0 83.6
127 8.5 7.1 10.7

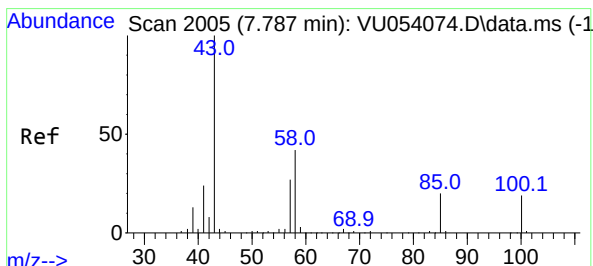
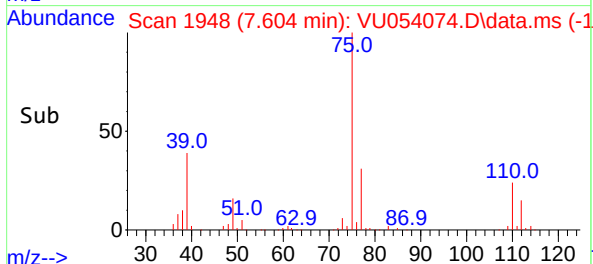
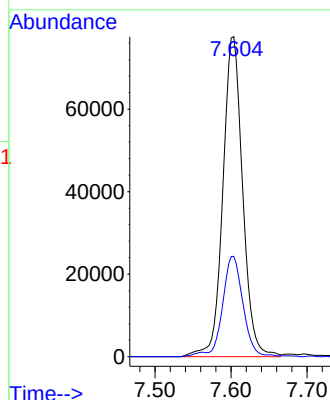
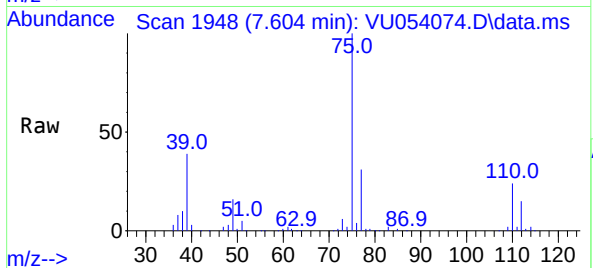




#39
 cis-1,3-Dichloropropene
 Concen: 50.783 ug/L
 RT: 7.604 min Scan# 1948
 Delta R.T. 0.000 min
 Lab File: VU054074.D
 Acq: 08 May 2023 12:08

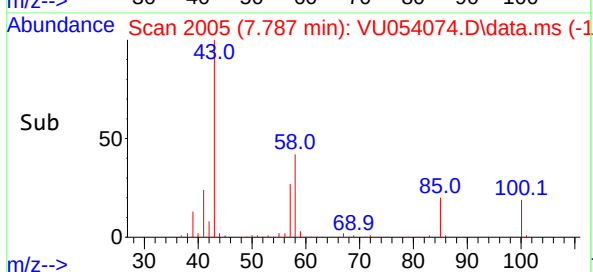
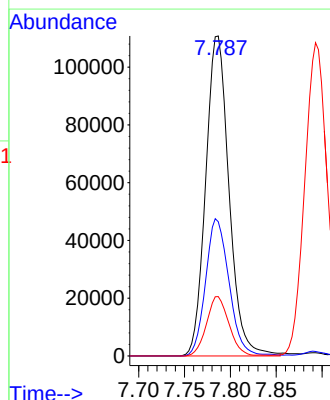
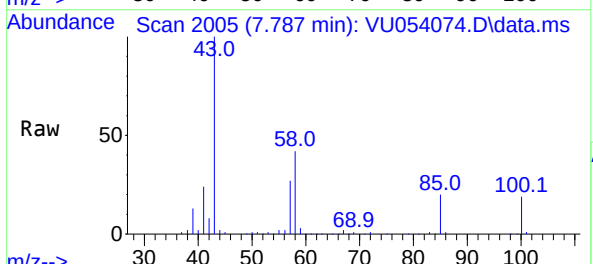
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050093

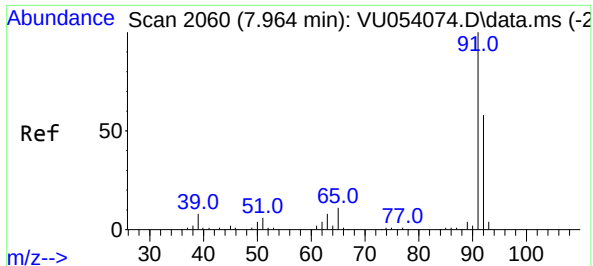
Tgt Ion: 75 Resp: 140288
 Ion Ratio Lower Upper
 75 100
 77 31.4 21.1 39.1



#40
 4-Methyl-2-pentanone
 Concen: 95.483 ug/L
 RT: 7.787 min Scan# 2005
 Delta R.T. 0.000 min
 Lab File: VU054074.D
 Acq: 08 May 2023 12:08

Tgt Ion: 43 Resp: 196496
 Ion Ratio Lower Upper
 43 100
 58 42.8 34.5 51.7
 100 17.8 13.8 20.6

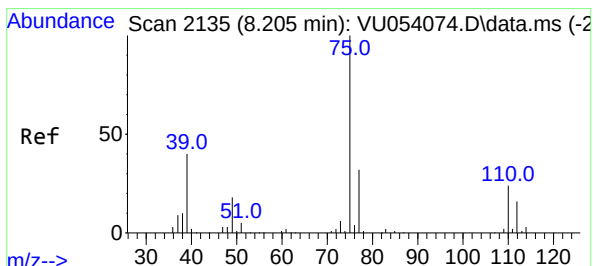
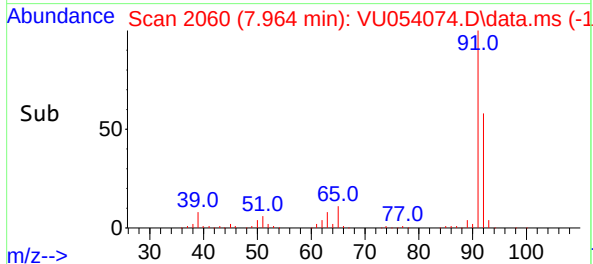
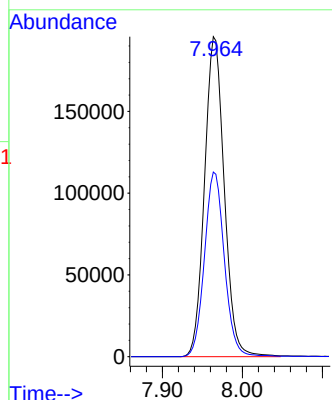
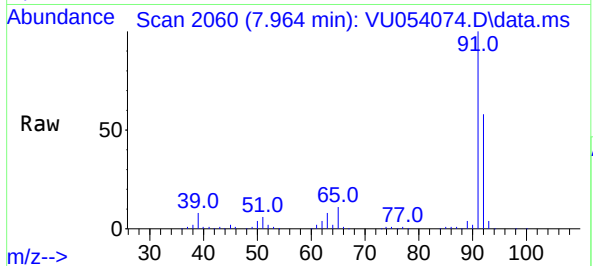




#42
Toluene
Concen: 51.707 ug/L
RT: 7.964 min Scan# 2060
Delta R.T. -0.003 min
Lab File: VU054074.D
Acq: 08 May 2023 12:08

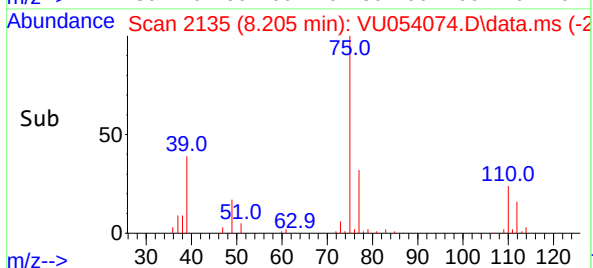
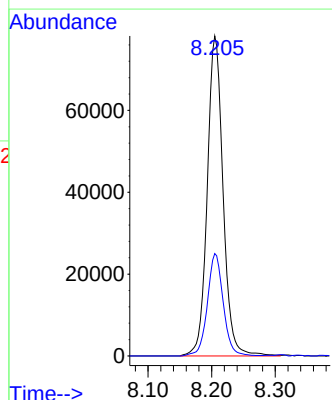
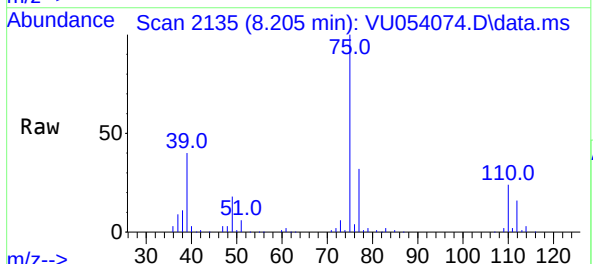
Instrument :
MSVOA_U
ClientSampleId :
VSTD050093

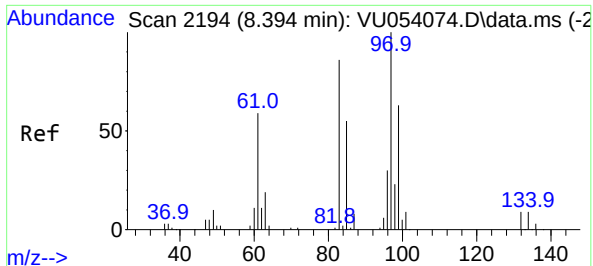
Tgt Ion: 91 Resp: 335987
Ion Ratio Lower Upper
91 100
92 57.7 40.5 75.3



#44
trans-1,3-Dichloropropene
Concen: 51.507 ug/L
RT: 8.205 min Scan# 2135
Delta R.T. 0.000 min
Lab File: VU054074.D
Acq: 08 May 2023 12:08

Tgt Ion: 75 Resp: 135223
Ion Ratio Lower Upper
75 100
77 32.0 22.5 41.7





#45

1,1,2-Trichloroethane

Concen: 51.043 ug/L

RT: 8.394 min Scan# 2194

Delta R.T. 0.000 min

Lab File: VU054074.D

Acq: 08 May 2023 12:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD050093

Tgt Ion: 97 Resp: 87244

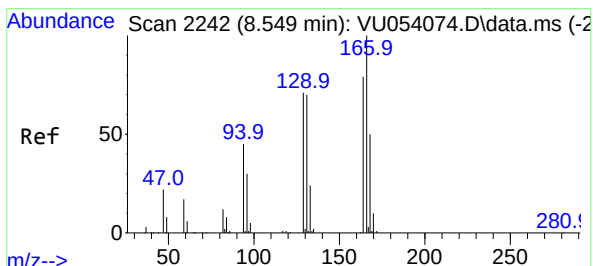
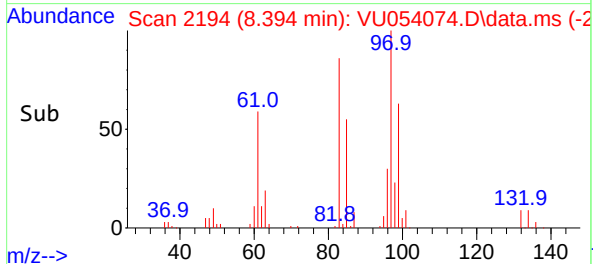
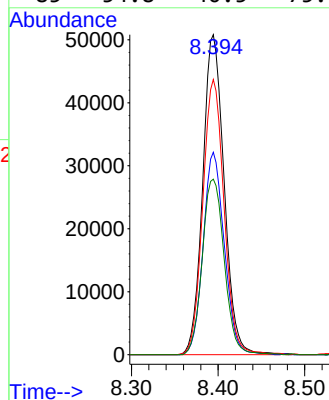
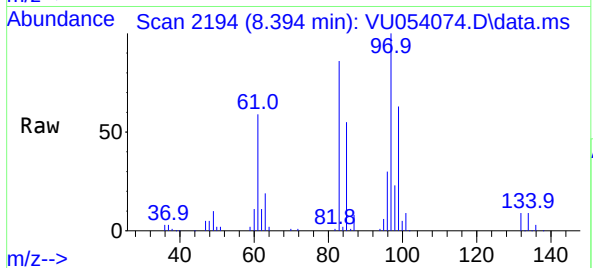
Ion Ratio Lower Upper

97 100

99 63.2 46.2 85.8

83 86.0 62.7 116.5

85 54.8 40.5 75.1



#46

Tetrachloroethene

Concen: 51.041 ug/L

RT: 8.549 min Scan# 2242

Delta R.T. 0.000 min

Lab File: VU054074.D

Acq: 08 May 2023 12:08

Tgt Ion:164 Resp: 67082

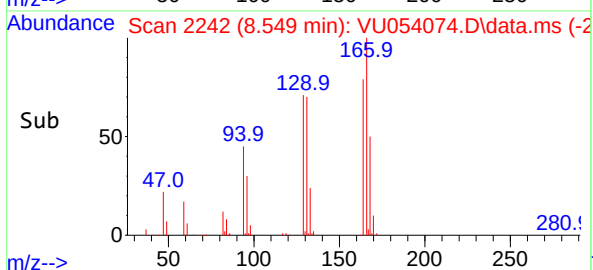
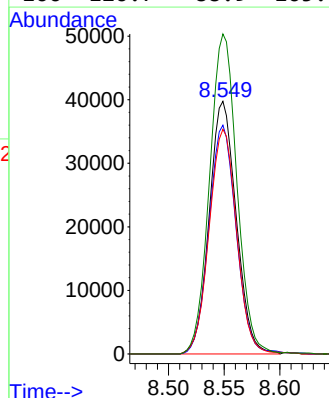
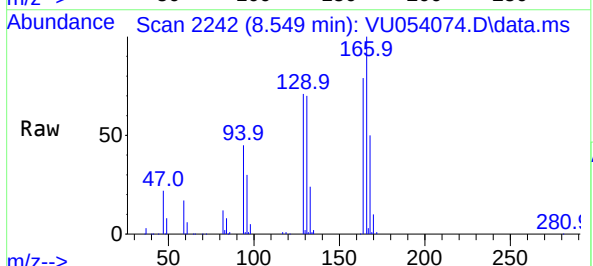
Ion Ratio Lower Upper

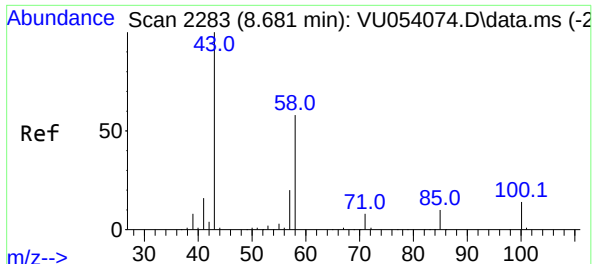
164 100

129 90.6 65.6 121.8

131 88.9 63.8 118.4

166 126.7 88.9 165.1



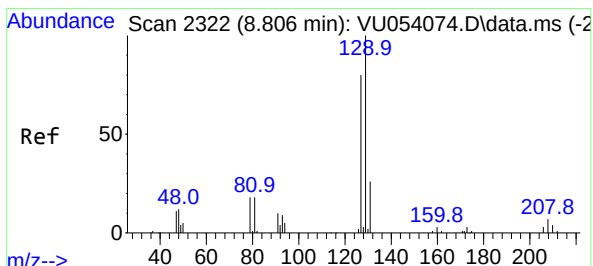
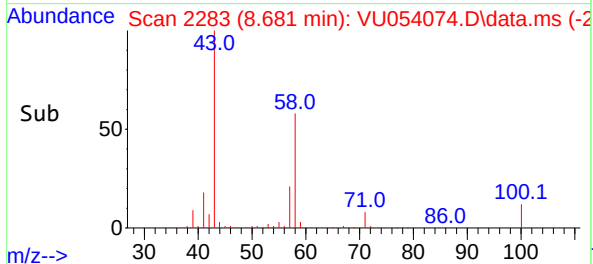
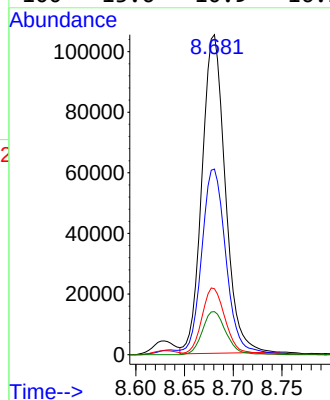
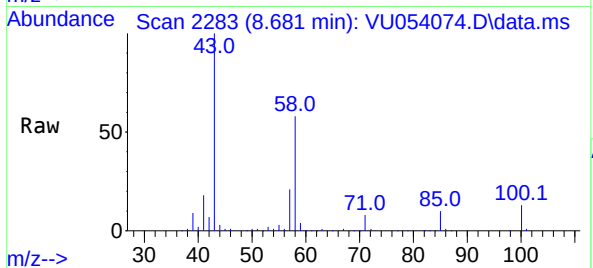


#48
2-Hexanone
Concen: 107.384 ug/L
RT: 8.681 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054074.D
Acq: 08 May 2023 12:08

Instrument :
MSVOA_U
ClientSampleId :
VSTD050093

Tgt Ion: 43 Resp: 175133

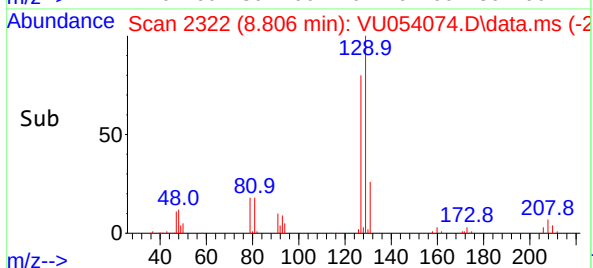
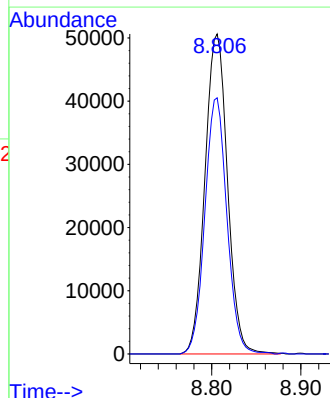
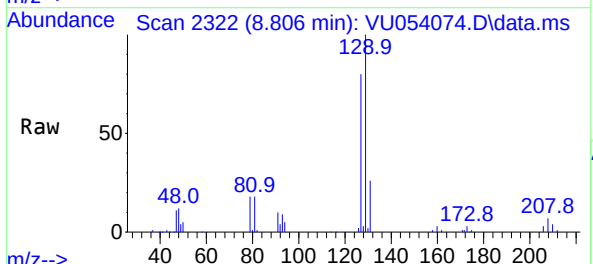
Ion	Ratio	Lower	Upper
43	100		
58	59.9	48.5	72.7
57	21.3	16.5	24.7
100	13.6	10.9	16.3

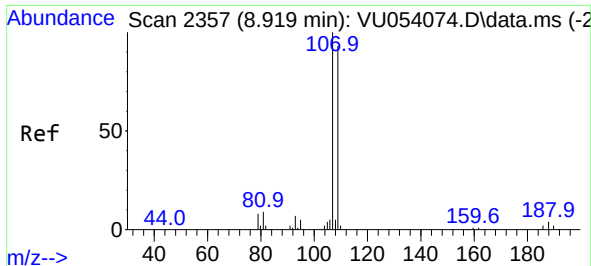


#49
Dibromochloromethane
Concen: 52.880 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VU054074.D
Acq: 08 May 2023 12:08

Tgt Ion: 129 Resp: 89064

Ion	Ratio	Lower	Upper
129	100		
127	80.1	52.9	98.3

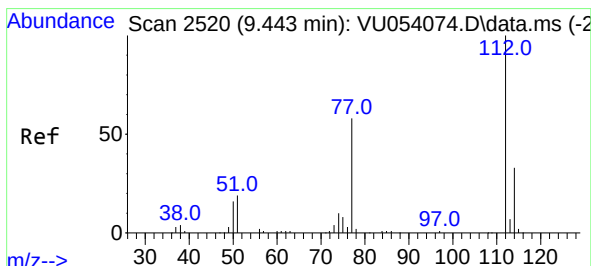
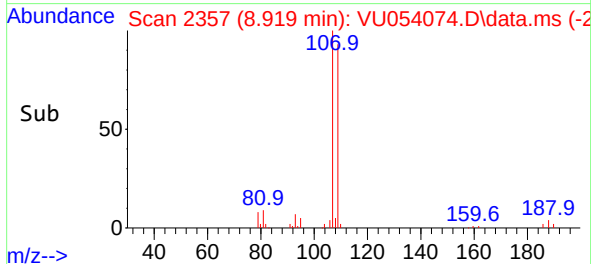
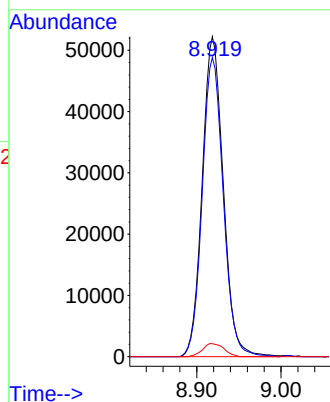
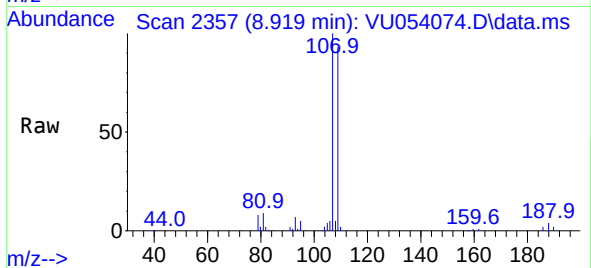




#50
1,2-Dibromoethane
Concen: 52.285 ug/L
RT: 8.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054074.D
Acq: 08 May 2023 12:08

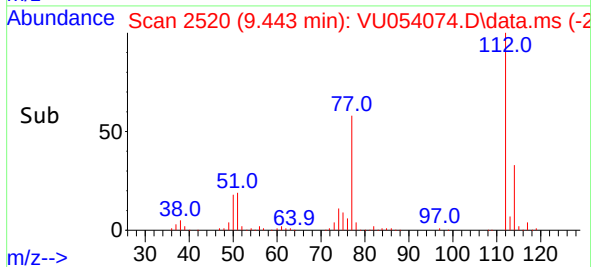
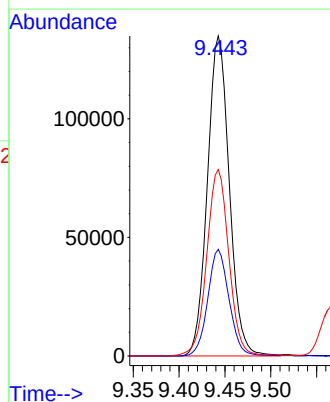
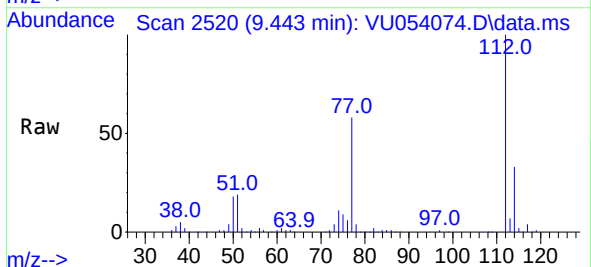
Instrument :
MSVOA_U
ClientSampleId :
VSTD050093

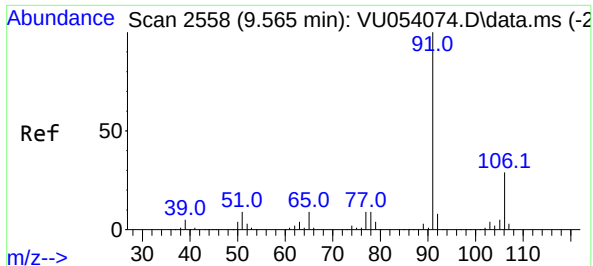
Tgt Ion:107 Resp: 90708
Ion Ratio Lower Upper
107 100
109 93.5 66.1 122.8
188 4.0 3.1 4.7



#51
Chlorobenzene
Concen: 51.664 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. 0.000 min
Lab File: VU054074.D
Acq: 08 May 2023 12:08

Tgt Ion:112 Resp: 224537
Ion Ratio Lower Upper
112 100
114 33.3 22.3 41.3
77 58.2 47.0 70.4

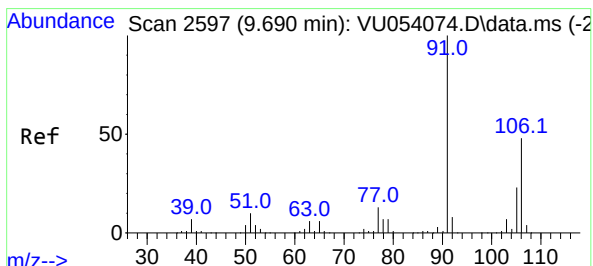
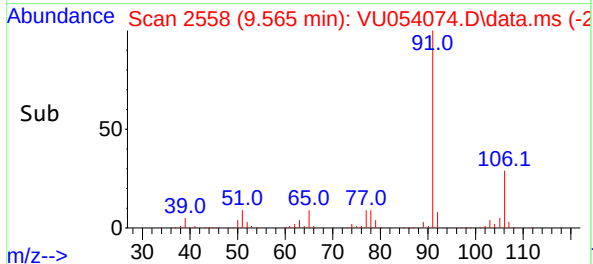
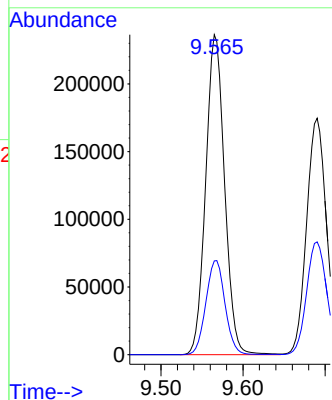
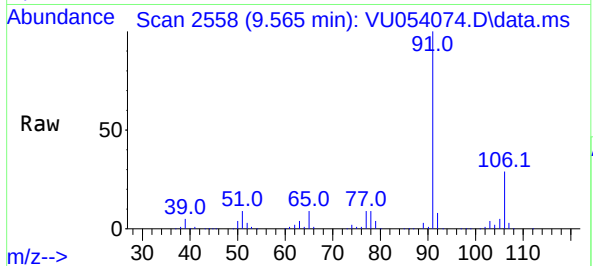




#52
Ethylbenzene
Concen: 51.703 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. 0.000 min
Lab File: VU054074.D
Acq: 08 May 2023 12:08

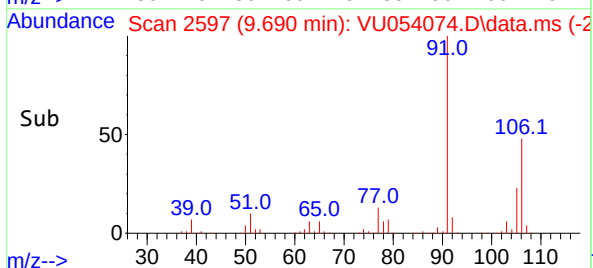
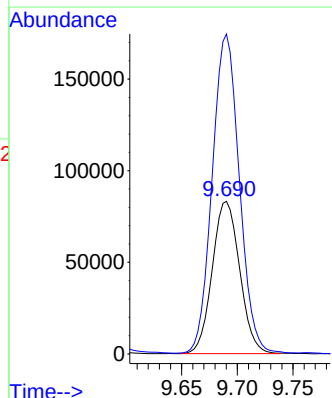
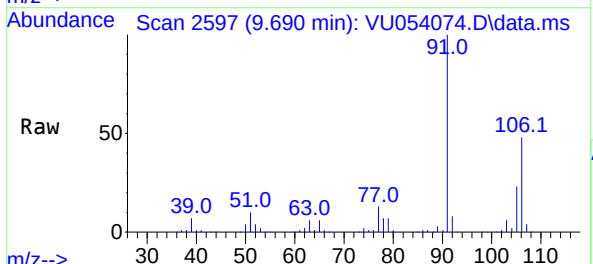
Instrument :
MSVOA_U
ClientSampleId :
VSTD050093

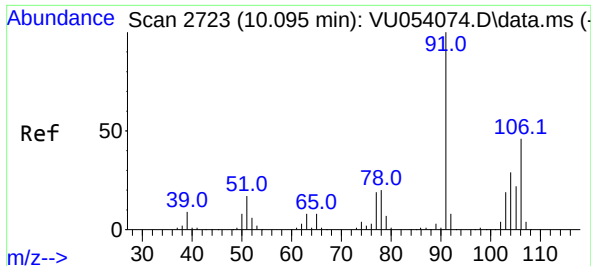
Tgt Ion: 91 Resp: 378124
Ion Ratio Lower Upper
91 100
106 29.3 21.3 39.6



#53
m,p-Xylene
Concen: 51.808 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU054074.D
Acq: 08 May 2023 12:08

Tgt Ion: 106 Resp: 142274
Ion Ratio Lower Upper
106 100
91 209.6 140.5 260.9

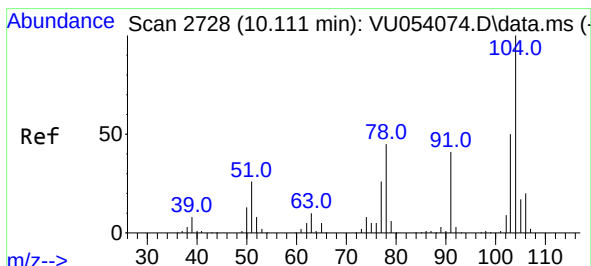
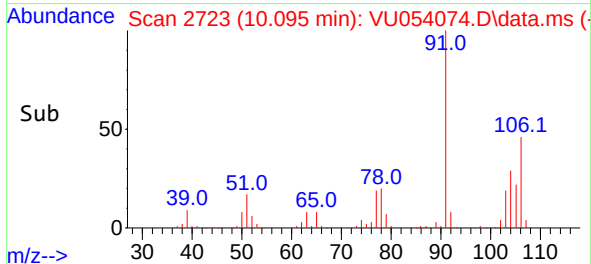
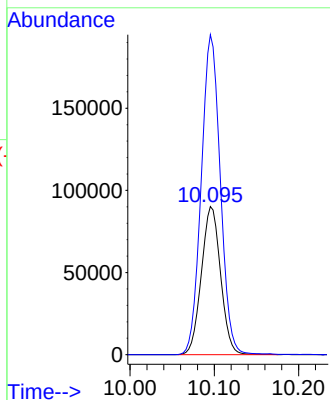
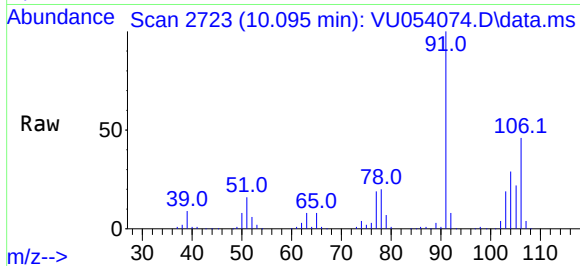




#54
o-Xylene
Concen: 53.330 ug/L
RT: 10.095 min Scan# 2723
Delta R.T. 0.000 min
Lab File: VU054074.D
Acq: 08 May 2023 12:08

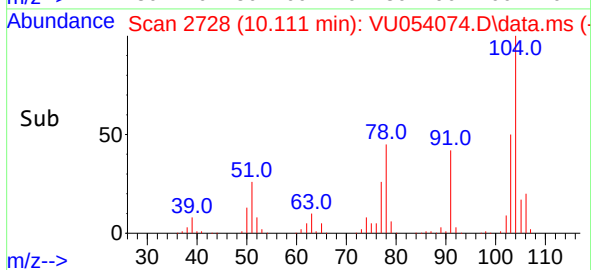
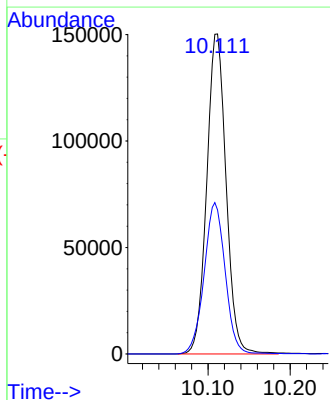
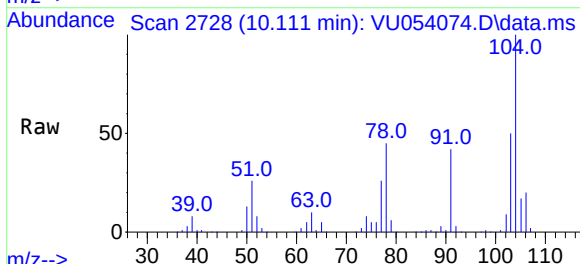
Instrument :
MSVOA_U
ClientSampleId :
VSTD050093

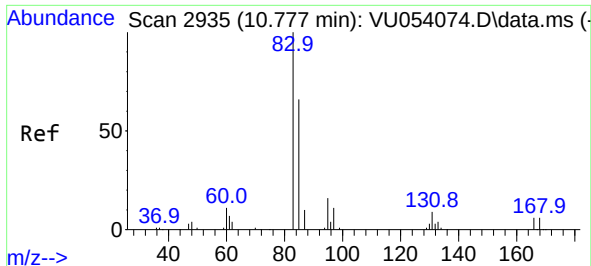
Tgt Ion:106 Resp: 143278
Ion Ratio Lower Upper
106 100
91 215.9 154.9 287.7



#55
Styrene
Concen: 53.481 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. 0.000 min
Lab File: VU054074.D
Acq: 08 May 2023 12:08

Tgt Ion:104 Resp: 246451
Ion Ratio Lower Upper
104 100
78 45.0 33.2 61.7

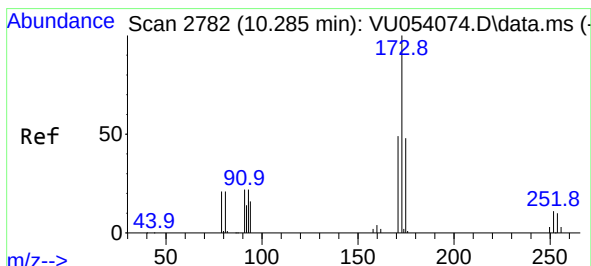
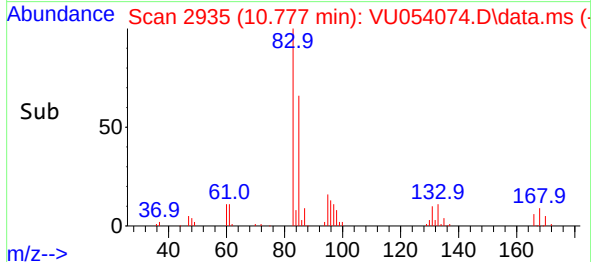
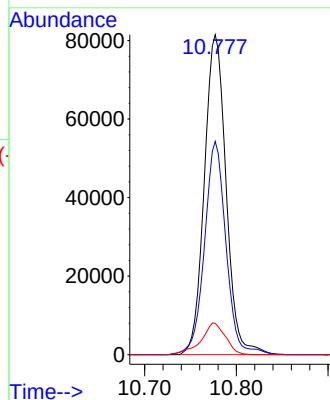
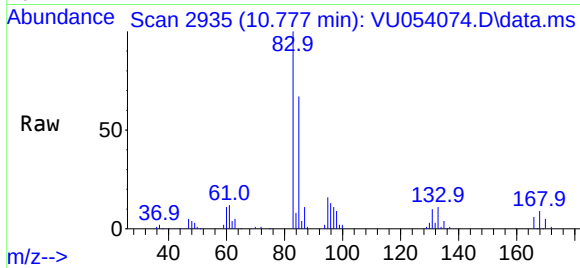




#57
1,1,2,2-Tetrachloroethane
Concen: 49.937 ug/L
RT: 10.777 min Scan# 2935
Delta R.T. 0.000 min
Lab File: VU054074.D
Acq: 08 May 2023 12:08

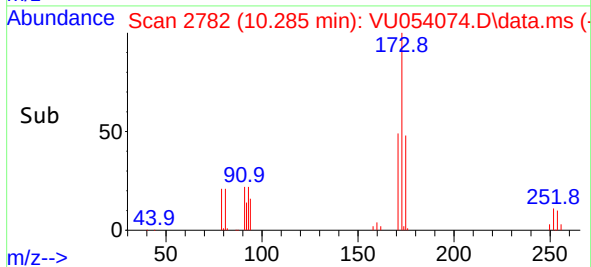
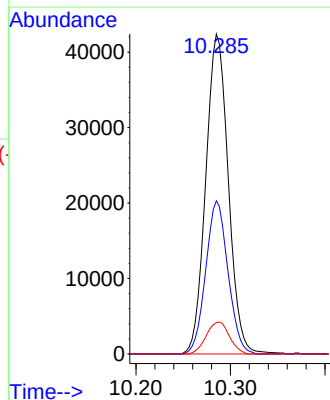
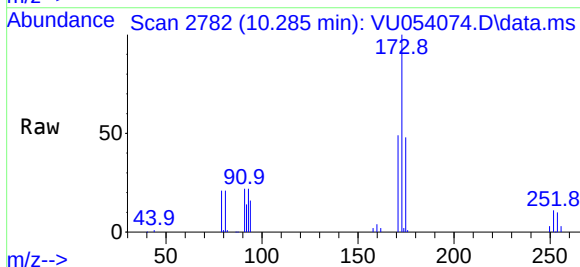
Instrument :
MSVOA_U
ClientSampleId :
VSTD050093

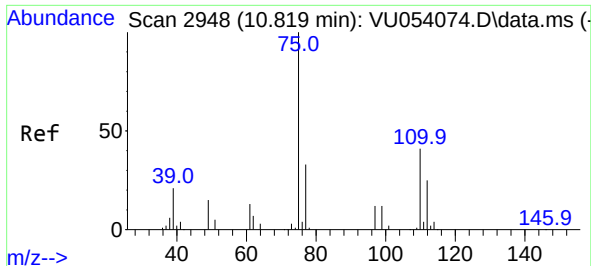
Tgt Ion: 83 Resp: 134455
Ion Ratio Lower Upper
83 100
85 66.7 45.1 83.9
131 9.8 8.2 12.2



#59
Bromoform
Concen: 52.301 ug/L
RT: 10.285 min Scan# 2782
Delta R.T. 0.000 min
Lab File: VU054074.D
Acq: 08 May 2023 12:08

Tgt Ion:173 Resp: 70243
Ion Ratio Lower Upper
173 100
175 47.2 38.9 58.3
254 10.2 8.5 12.7

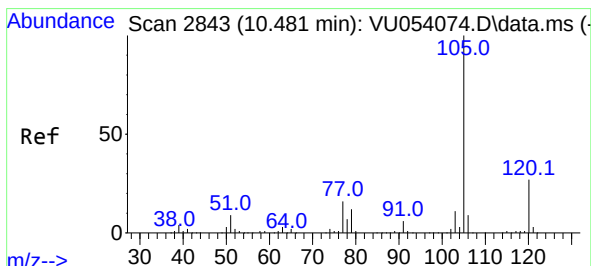
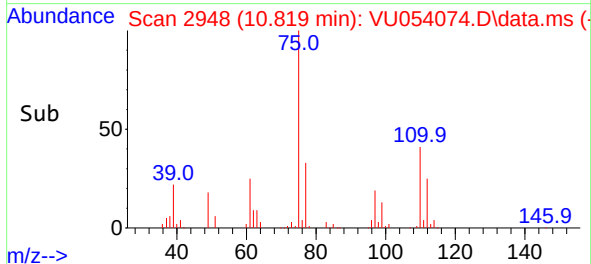
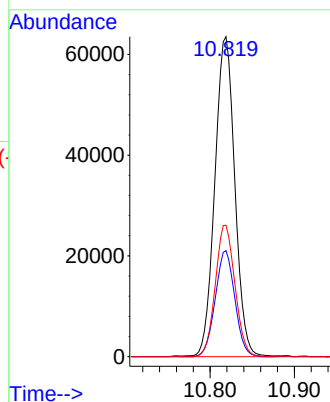
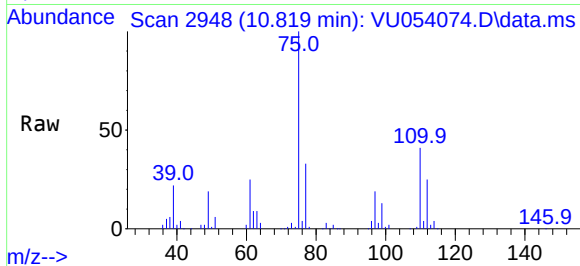




#60
1,2,3-Trichloropropane
Concen: 46.921 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. 0.003 min
Lab File: VU054074.D
Acq: 08 May 2023 12:08

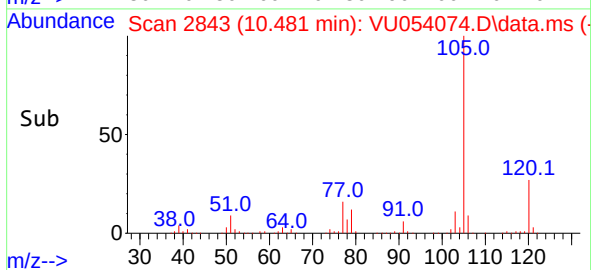
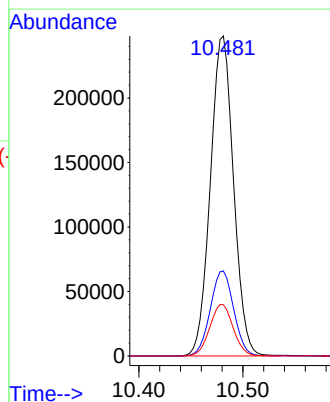
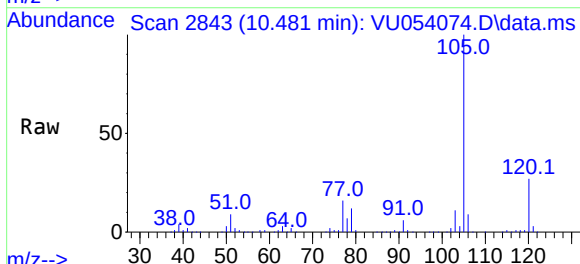
Instrument :
MSVOA_U
ClientSampleId :
VSTD050093

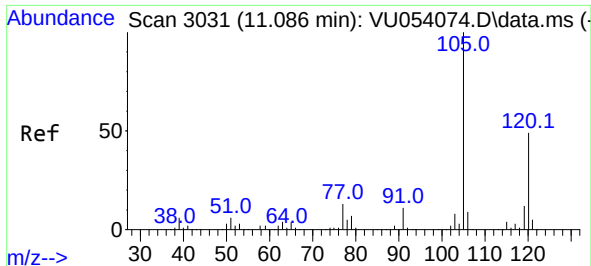
Tgt Ion: 75 Resp: 104553
Ion Ratio Lower Upper
75 100
77 32.4 26.0 39.0
110 40.3 31.8 47.8



#61
Isopropylbenzene
Concen: 50.747 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.000 min
Lab File: VU054074.D
Acq: 08 May 2023 12:08

Tgt Ion: 105 Resp: 384293
Ion Ratio Lower Upper
105 100
120 26.9 21.3 31.9
77 16.3 12.7 19.1

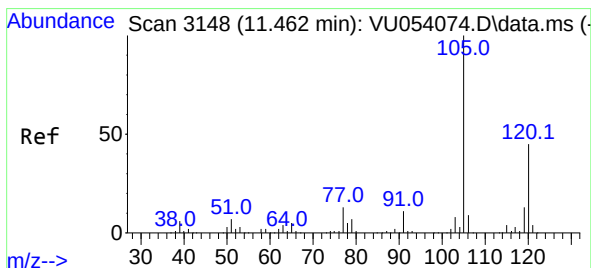
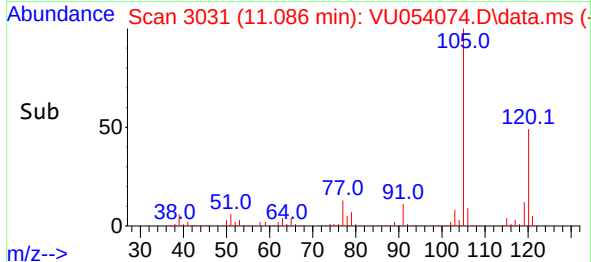
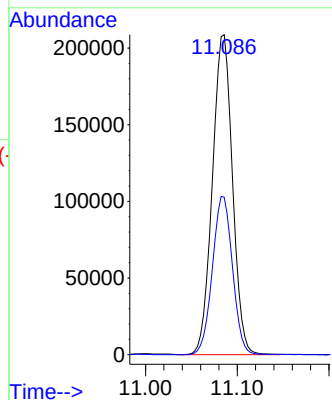
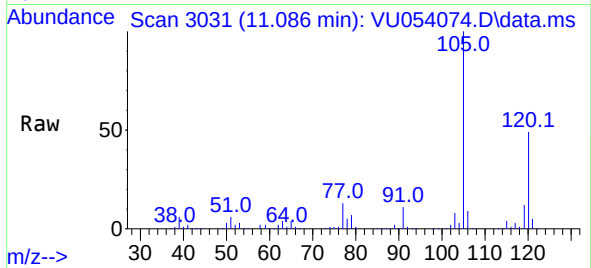




#62
1,3,5-Trimethylbenzene
Concen: 51.260 ug/L
RT: 11.086 min Scan# 3031
Delta R.T. 0.003 min
Lab File: VU054074.D
Acq: 08 May 2023 12:08

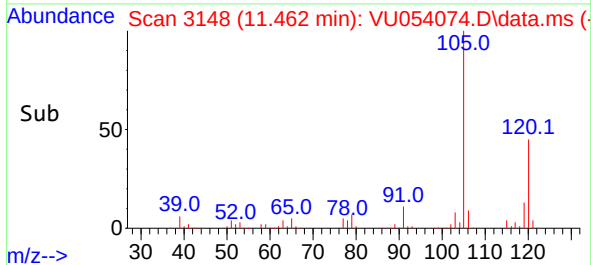
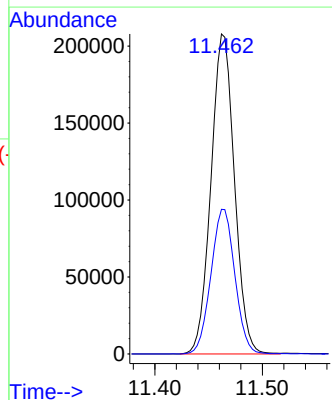
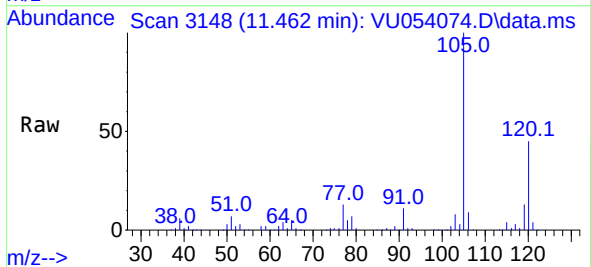
Instrument :
MSVOA_U
ClientSampleId :
VSTD050093

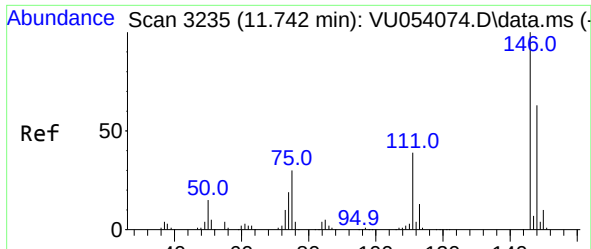
Tgt Ion:105 Resp: 318091
Ion Ratio Lower Upper
105 100
120 49.3 39.4 59.2



#63
1,2,4-Trimethylbenzene
Concen: 51.595 ug/L
RT: 11.462 min Scan# 3148
Delta R.T. 0.000 min
Lab File: VU054074.D
Acq: 08 May 2023 12:08

Tgt Ion:105 Resp: 315579
Ion Ratio Lower Upper
105 100
120 46.0 36.5 54.7

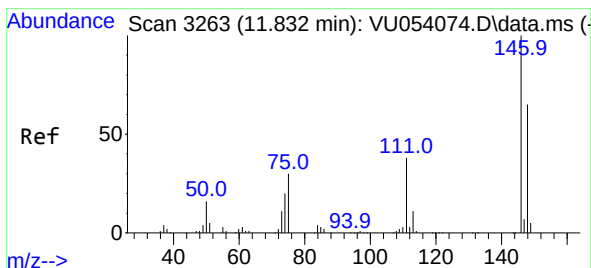
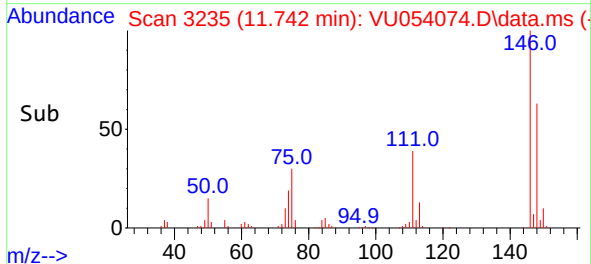
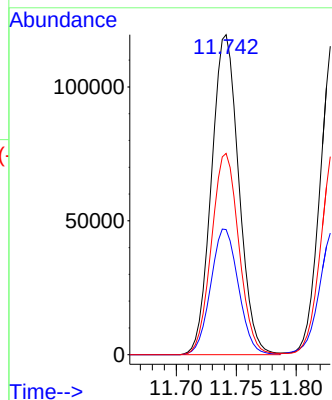
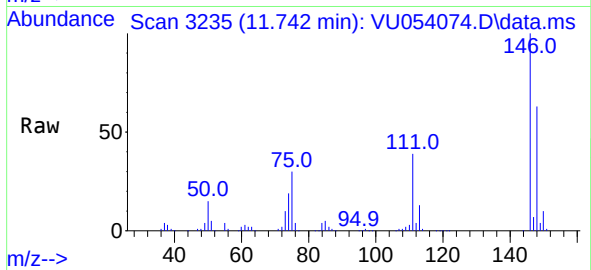




#64
1,3-Dichlorobenzene
Concen: 51.136 ug/L
RT: 11.742 min Scan# 3235
Delta R.T. 0.000 min
Lab File: VU054074.D
Acq: 08 May 2023 12:08

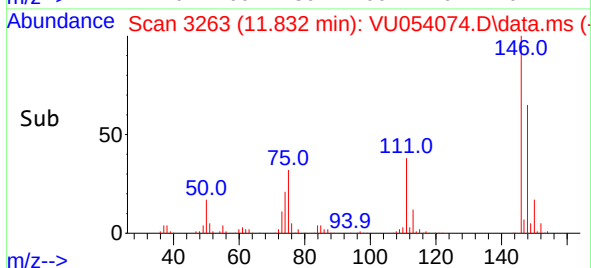
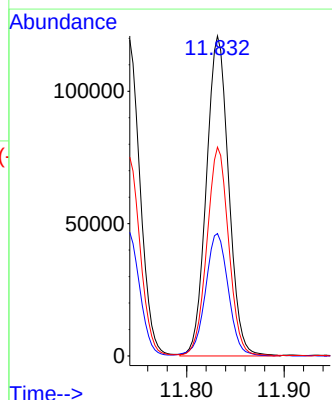
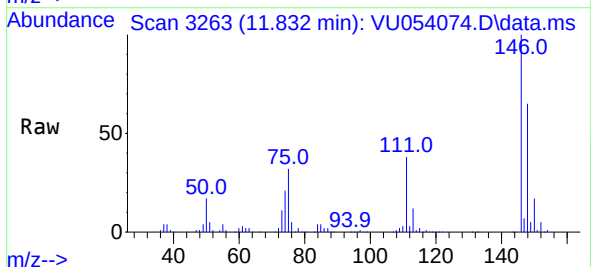
Instrument :
MSVOA_U
ClientSampleId :
VSTD050093

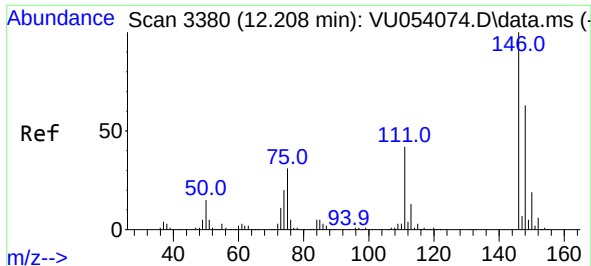
Tgt Ion:146 Resp: 189387
Ion Ratio Lower Upper
146 100
111 39.1 27.9 51.7
148 62.9 43.8 81.4



#65
1,4-Dichlorobenzene
Concen: 51.023 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU054074.D
Acq: 08 May 2023 12:08

Tgt Ion:146 Resp: 192454
Ion Ratio Lower Upper
146 100
111 38.3 27.9 51.7
148 65.3 44.9 83.3





#67

1,2-Dichlorobenzene

Concen: 50.710 ug/L

RT: 12.208 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU054074.D

Acq: 08 May 2023 12:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD050093

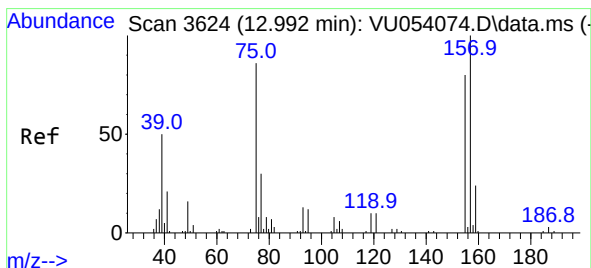
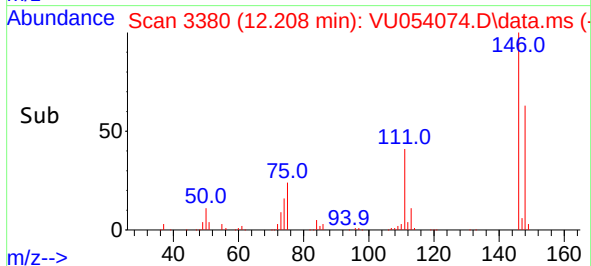
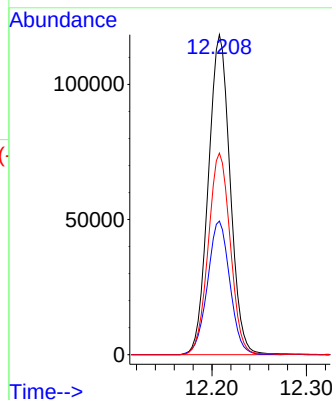
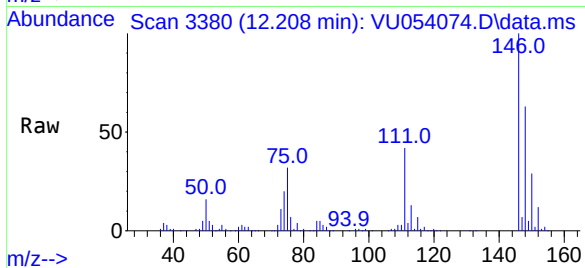
Tgt Ion:146 Resp: 189546

Ion Ratio Lower Upper

146 100

111 41.7 33.4 50.0

148 63.0 50.8 76.2



#68

1,2-Dibromo-3-chloropropane

Concen: 47.478 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. 0.000 min

Lab File: VU054074.D

Acq: 08 May 2023 12:08

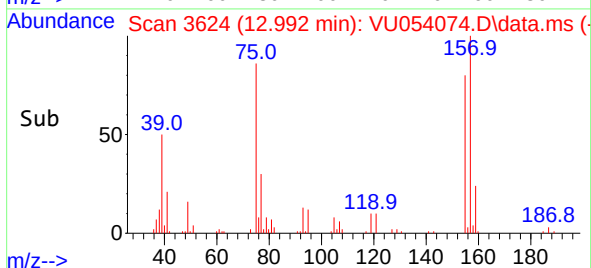
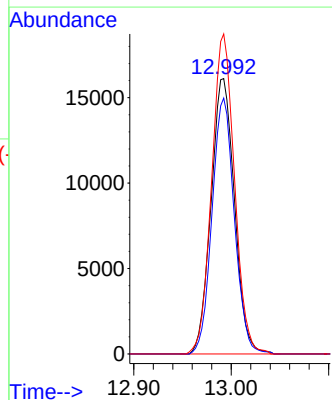
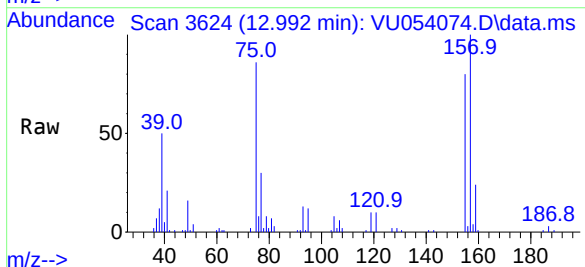
Tgt Ion: 75 Resp: 26990

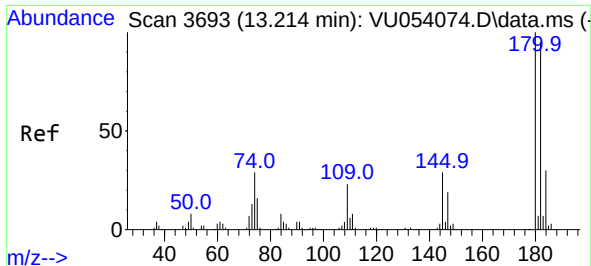
Ion Ratio Lower Upper

75 100

155 92.9 67.8 101.6

157 116.2 88.3 132.5





#69

1,3,5-Trichlorobenzene

Concen: 51.452 ug/L

RT: 13.214 min Scan# 3693

Delta R.T. 0.000 min

Lab File: VU054074.D

Acq: 08 May 2023 12:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD050093

Tgt Ion:180 Resp: 138086

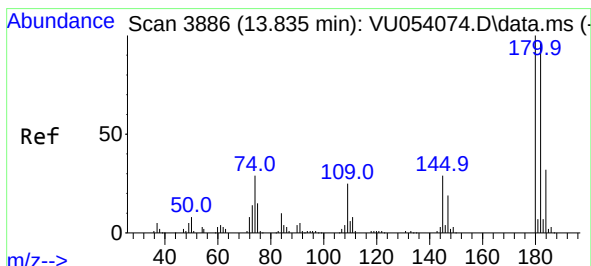
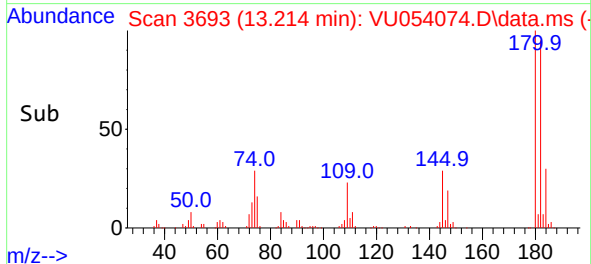
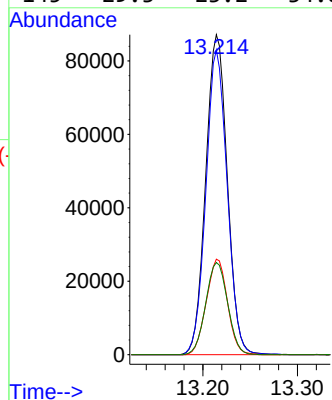
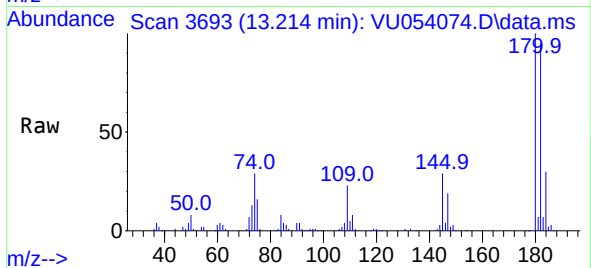
Ion Ratio Lower Upper

180 100

182 93.9 76.0 114.0

184 29.4 24.2 36.2

145 29.3 23.2 34.8



#70

1,2,4-trichlorobenzene

Concen: 49.360 ug/L

RT: 13.835 min Scan# 3886

Delta R.T. 0.000 min

Lab File: VU054074.D

Acq: 08 May 2023 12:08

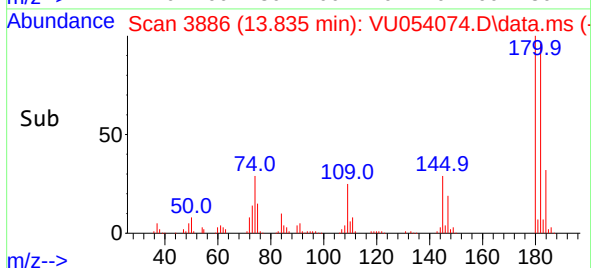
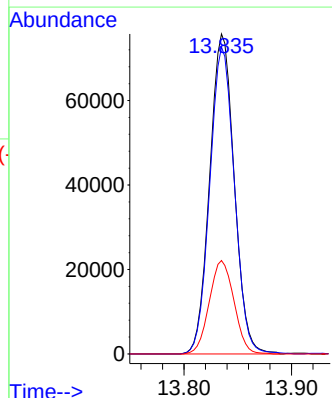
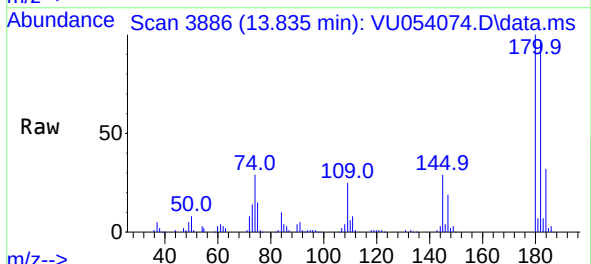
Tgt Ion:180 Resp: 120094

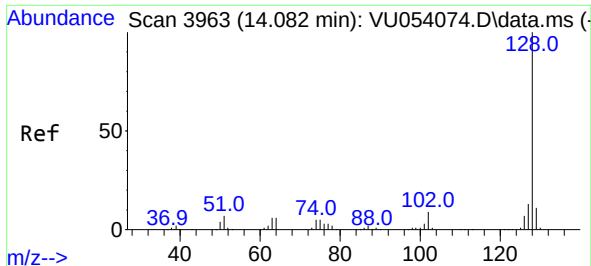
Ion Ratio Lower Upper

180 100

182 96.1 77.4 116.2

145 29.4 23.8 35.8

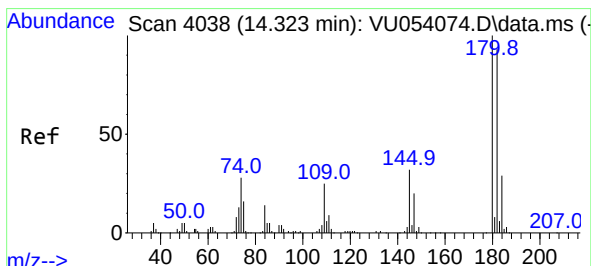
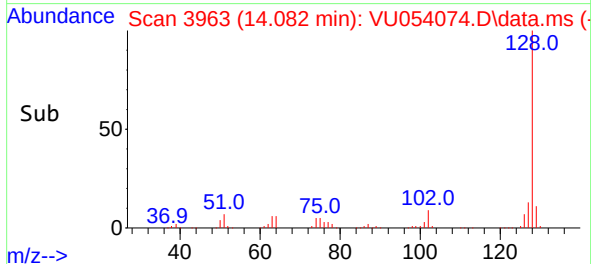
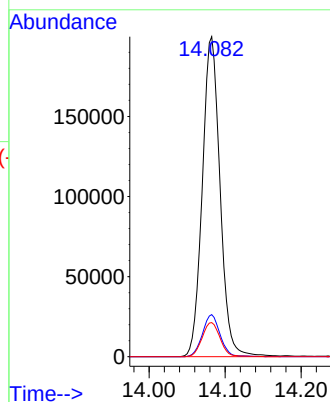
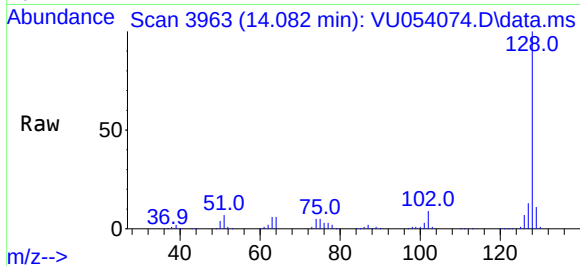




#71
Naphthalene
Concen: 45.905 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. 0.000 min
Lab File: VU054074.D
Acq: 08 May 2023 12:08

Instrument :
MSVOA_U
ClientSampleId :
VSTD050093

Tgt Ion:	128	Resp:	323954
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.0	15.0
129	10.9	8.4	12.6



#72
1,2,3-Trichlorobenzene
Concen: 50.607 ug/L
RT: 14.323 min Scan# 4038
Delta R.T. 0.000 min
Lab File: VU054074.D
Acq: 08 May 2023 12:08

Tgt Ion:	180	Resp:	122484
Ion	Ratio	Lower	Upper
180	100		
182	93.7	76.6	114.8
145	31.2	24.9	37.3

