

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050923\
 Data File : VU054114.D
 Acq On : 09 May 2023 09:36
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050096

Quant Time: May 10 04:34:06 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	232145	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	223625	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	124112	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	84271	47.998	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	96.000%		
7) Chloroethane-d5	1.909	69	57935	50.269	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	100.540%		
11) 1,1-Dichloroethene-d2	2.565	63	150371	48.288	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	96.580%		
21) 2-Butanone-d5	4.623	46	94163	94.035	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	94.030%		
24) Chloroform-d	5.057	84	160253	49.697	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.400%		
26) 1,2-Dichloroethane-d4	5.697	65	101016	48.790	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.580%		
32) Benzene-d6	5.722	84	313434	47.617	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.240%		
36) 1,2-Dichloropropane-d6	6.684	67	95574	45.993	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	91.980%		
41) Toluene-d8	7.893	98	288147	48.487	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	96.980%		
43) trans-1,3-Dichloroprop...	8.172	79	46655	45.368	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	90.740%		
47) 2-Hexanone-d5	8.629	63	60219	80.908	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	80.910%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	128292	46.870	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	93.740%		
66) 1,2-Dichlorobenzene-d4	12.188	152	118415	48.840	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	97.680%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	82820	49.448	ug/L	100
3) Chloromethane	1.520	50	73592	47.808	ug/L	100
5) Vinyl chloride	1.604	62	79274	48.419	ug/L	97
6) Bromomethane	1.854	94	40962	44.881	ug/L	97
8) Chloroethane	1.932	64	45431	50.921	ug/L	100
9) Trichlorofluoromethane	2.134	101	131967	50.793	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	78932	50.798	ug/L	100
12) 1,1-Dichloroethene	2.578	96	66144	49.120	ug/L	99
13) Acetone	2.629	43	65921	67.070	ug/L	96
14) Carbon disulfide	2.790	76	142222	47.586	ug/L	97
15) Methyl Acetate	2.944	43	73238	47.581	ug/L	100
16) Methylene chloride	3.041	84	83681	49.273	ug/L	95
17) trans-1,2-Dichloroethene	3.350	96	68518	49.761	ug/L	98
18) Methyl tert-butyl Ether	3.356	73	249854	49.358	ug/L	98
19) 1,1-Dichloroethane	3.864	63	145579	49.242	ug/L	99
20) cis-1,2-Dichloroethene	4.661	96	84336	49.842	ug/L	94
22) 2-Butanone	4.700	43	101900	87.815	ug/L	94
23) Bromochloromethane	4.970	128	44070	50.237	ug/L	93
25) Chloroform	5.083	83	157401	50.453	ug/L	99

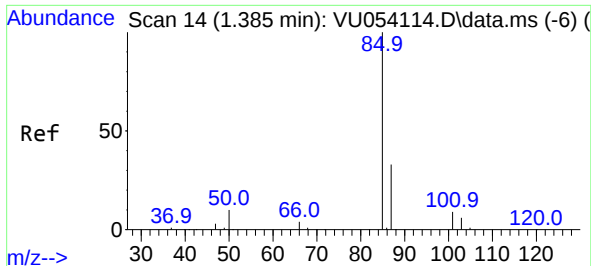
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050923\
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	120815	50.347	ug/L	100
29) Cyclohexane	5.382	56	104533	45.230	ug/L	98
30) 1,1,1-Trichloroethane	5.311	97	137030	49.161	ug/L	99
31) Carbon tetrachloride	5.520	117	117172	49.274	ug/L	99
33) Benzene	5.767	78	309720	47.583	ug/L	100
34) Trichloroethene	6.536	95	82482	47.745	ug/L	99
35) Methylcyclohexane	6.758	83	112078	46.258	ug/L	98
37) 1,2-Dichloropropane	6.783	63	85794	46.589	ug/L	99
38) Bromodichloromethane	7.099	83	112926	48.674	ug/L	99
39) cis-1,3-Dichloropropene	7.600	75	128107	44.470	ug/L	96
40) 4-Methyl-2-pentanone	7.787	43	198739	92.607	ug/L	98
42) Toluene	7.963	91	332159	49.019	ug/L	100
44) trans-1,3-Dichloropropene	8.205	75	123225	45.009	ug/L	100
45) 1,1,2-Trichloroethane	8.394	97	87053	48.839	ug/L	97
46) Tetrachloroethene	8.549	164	65851	48.047	ug/L	99
48) 2-Hexanone	8.681	43	152706	89.788	ug/L	98
49) Dibromochloromethane	8.806	129	89159	50.762	ug/L	98
50) 1,2-Dibromoethane	8.918	107	90220	49.868	ug/L	99
51) Chlorobenzene	9.443	112	224949	49.633	ug/L	99
52) Ethylbenzene	9.565	91	371440	48.704	ug/L	99
53) m,p-Xylene	9.690	106	143923	50.256	ug/L	96
54) o-Xylene	10.095	106	141240	50.412	ug/L	100
55) Styrene	10.111	104	246349	51.264	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.777	83	136026	48.445	ug/L	99
59) Bromoform	10.285	173	69169	49.780	ug/L	98
60) 1,2,3-Trichloropropane	10.815	75	107253	46.524	ug/L	99
61) Isopropylbenzene	10.481	105	388168	49.546	ug/L	99
62) 1,3,5-Trimethylbenzene	11.082	105	316089	49.235	ug/L	99
63) 1,2,4-Trimethylbenzene	11.462	105	312259	49.346	ug/L	99
64) 1,3-Dichlorobenzene	11.741	146	188191	49.115	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	192186	49.249	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	191064	49.408	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.992	75	28149	47.861	ug/L	97
69) 1,3,5-Trichlorobenzene	13.214	180	134596	48.476	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	117757	46.782	ug/L	99
71) Naphthalene	14.082	128	332589	45.553	ug/L	100
72) 1,2,3-Trichlorobenzene	14.323	180	119269	47.632	ug/L	99

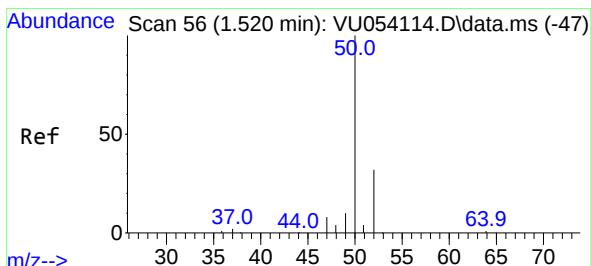
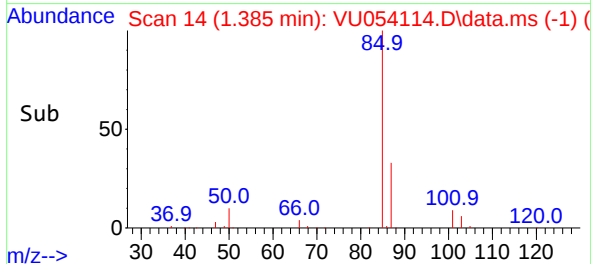
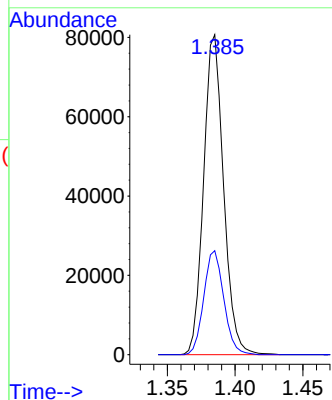
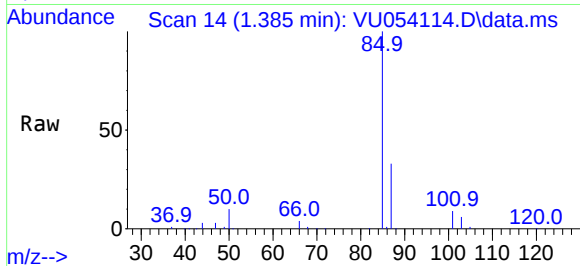
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#2
Dichlorodifluoromethane
Concen: 49.448 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU054114.D
Acq: 09 May 2023 09:36

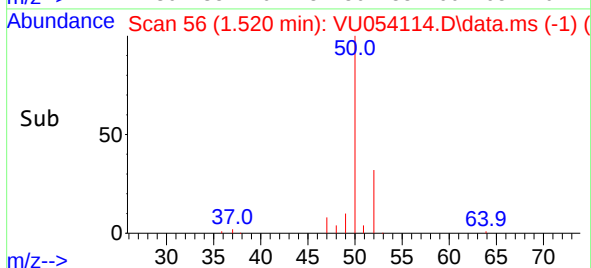
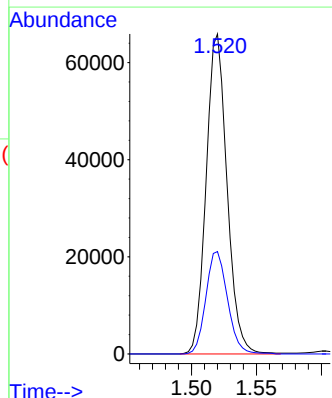
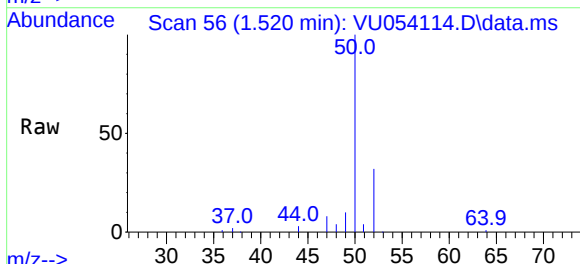
Instrument :
MSVOA_U
ClientSampleId :
VSTD050096

Tgt Ion: 85 Resp: 82820
Ion Ratio Lower Upper
85 100
87 32.5 26.0 39.0

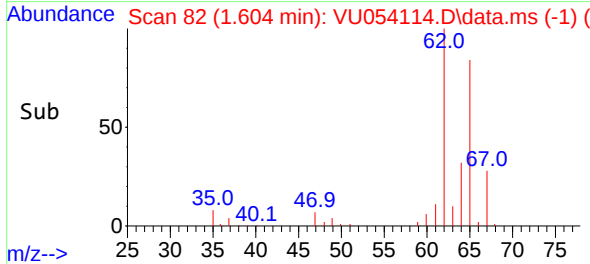
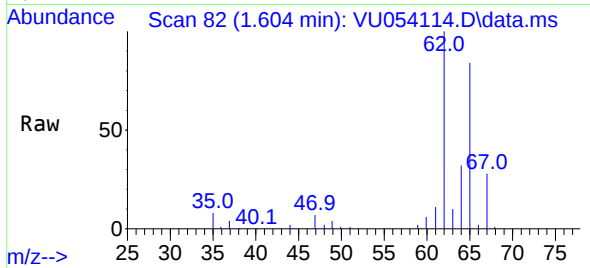
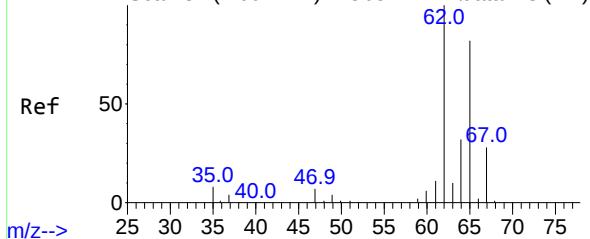


#3
Chloromethane
Concen: 47.808 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU054114.D
Acq: 09 May 2023 09:36

Tgt Ion: 50 Resp: 73592
Ion Ratio Lower Upper
50 100
52 32.0 22.4 41.6



Abundance Scan 82 (1.604 min): VU054114.D\data.ms (-74)



#5

Vinyl chloride

Concen: 48.419 ug/L

RT: 1.604 min Scan# 81

Delta R.T. -0.000 min

Lab File: VU054114.D

Acq: 09 May 2023 09:36

Instrument :

MSVOA_U

ClientSampleId :

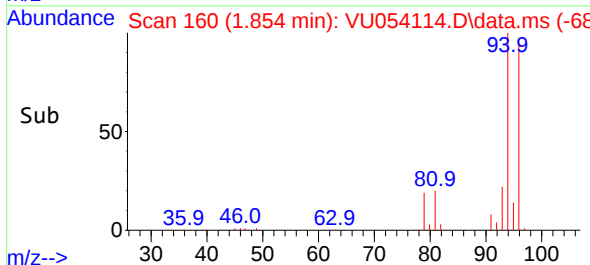
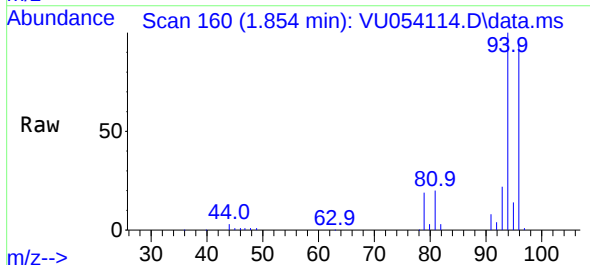
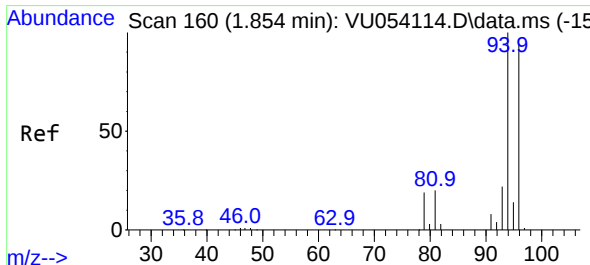
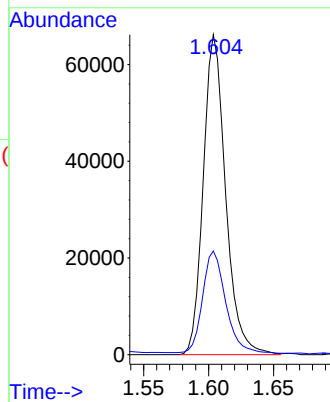
VSTD050096

Tgt Ion: 62 Resp: 79274

Ion Ratio Lower Upper

62 100

64 32.4 24.1 44.7



#6

Bromomethane

Concen: 44.881 ug/L

RT: 1.854 min Scan# 160

Delta R.T. -0.003 min

Lab File: VU054114.D

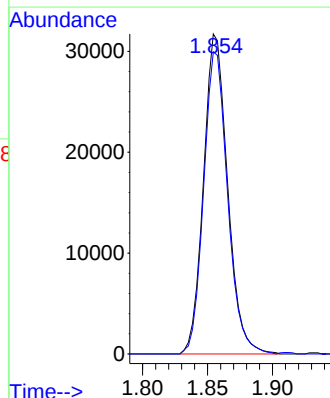
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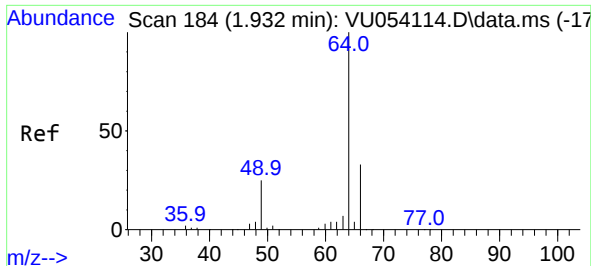
Tgt Ion: 94 Resp: 40962

Ion Ratio Lower Upper

94 100

96 94.4 63.9 118.7

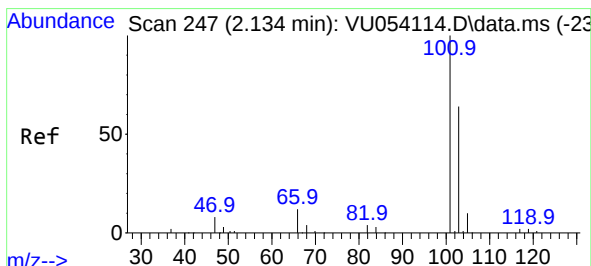
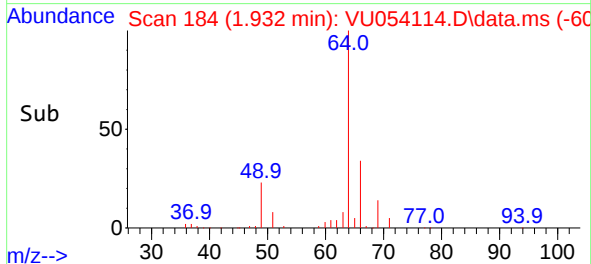
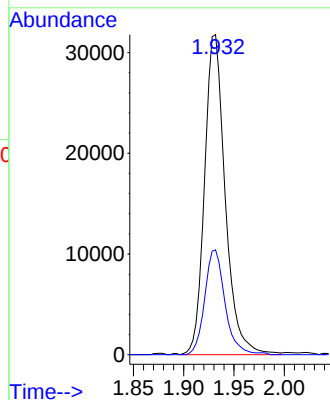
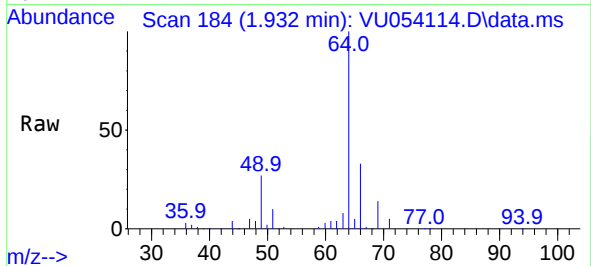




#8
Chloroethane
Concen: 50.921 ug/L
RT: 1.932 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU054114.D
Acq: 09 May 2023 09:36

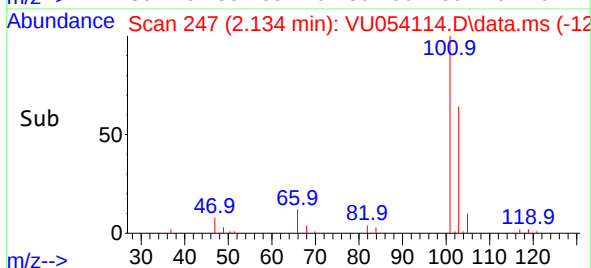
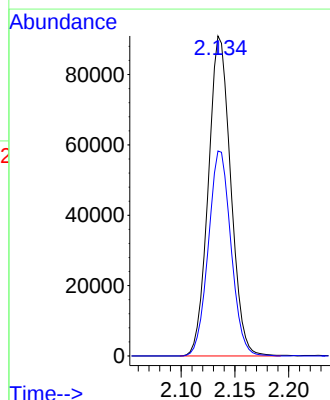
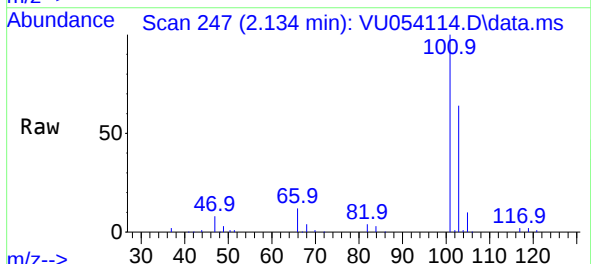
Instrument :
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VSTD050096

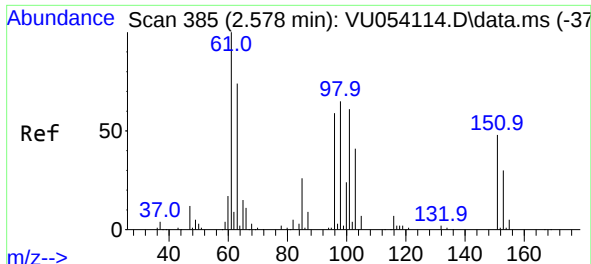
Tgt Ion: 64 Resp: 45431
Ion Ratio Lower Upper
64 100
66 32.8 23.1 42.9



#9
Trichlorofluoromethane
Concen: 50.793 ug/L
RT: 2.134 min Scan# 247
Delta R.T. -0.003 min
Lab File: VU054114.D
Acq: 09 May 2023 09:36

Tgt Ion:101 Resp: 131967
Ion Ratio Lower Upper
101 100
103 64.5 51.0 76.4

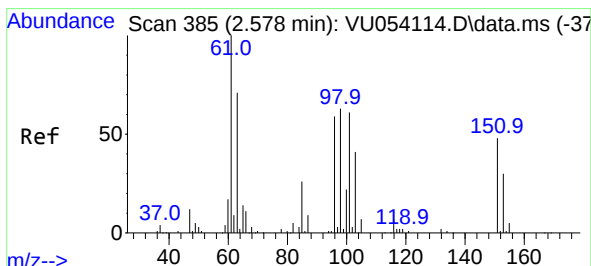
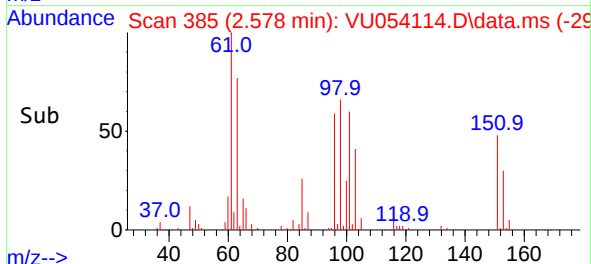
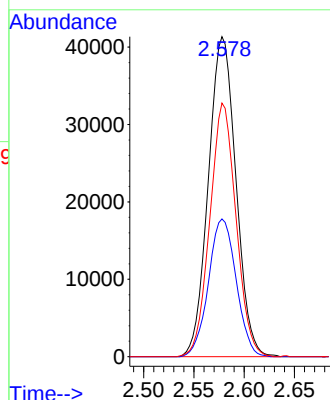
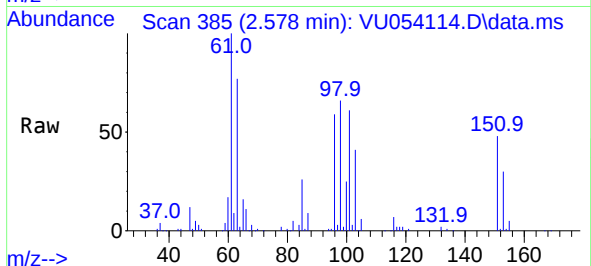




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 50.798 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.000 min
Lab File: VU054114.D
Acq: 09 May 2023 09:36

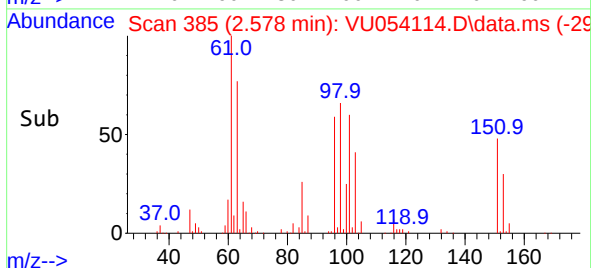
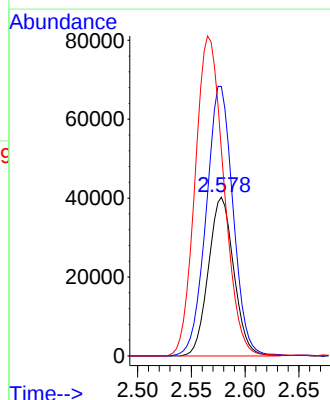
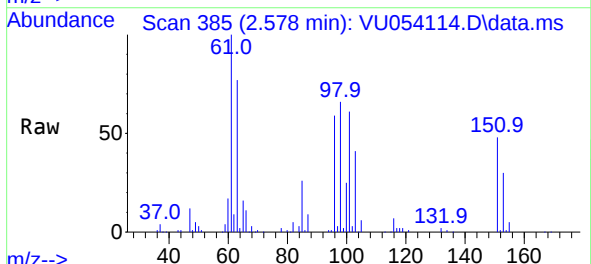
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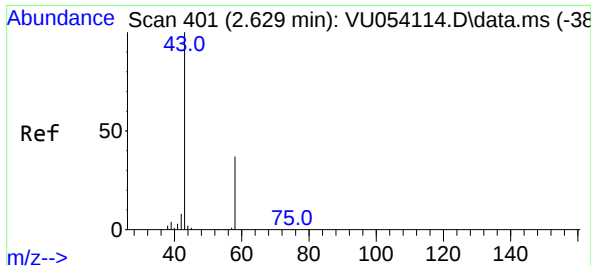
Tgt Ion:101 Resp: 78932
Ion Ratio Lower Upper
101 100
85 43.2 34.3 51.5
151 75.3 60.3 90.5



#12
1,1-Dichloroethene
Concen: 49.120 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.000 min
Lab File: VU054114.D
Acq: 09 May 2023 09:36

Tgt Ion: 96 Resp: 66144
Ion Ratio Lower Upper
96 100
61 169.9 118.3 219.7
63 130.1 92.3 171.5





#13

Acetone

Concen: 67.070 ug/L

RT: 2.629 min Scan# 401

Delta R.T. -0.003 min

Lab File: VU054114.D

Acq: 09 May 2023 09:36

Instrument :

MSVOA_U

ClientSampleId :

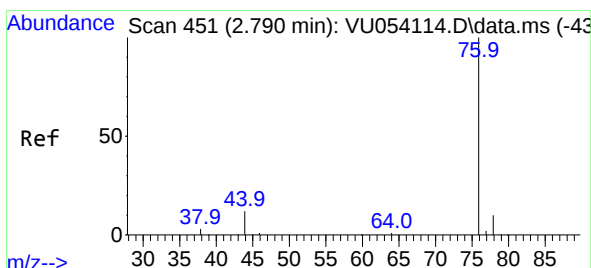
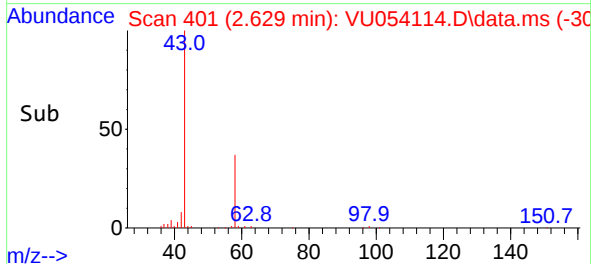
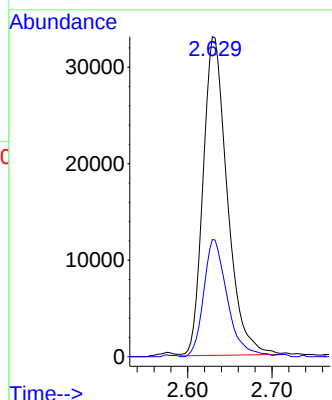
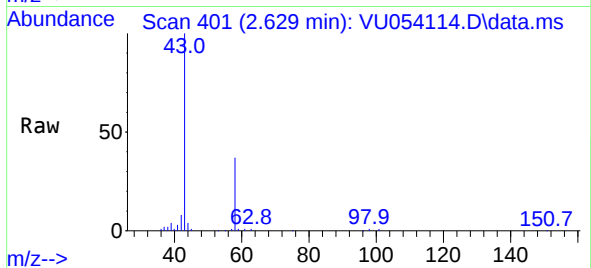
VSTD050096

Tgt Ion: 43 Resp: 65921

Ion Ratio Lower Upper

43 100

58 36.0 0.0 67.4



#14

Carbon disulfide

Concen: 47.586 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.000 min

Lab File: VU054114.D

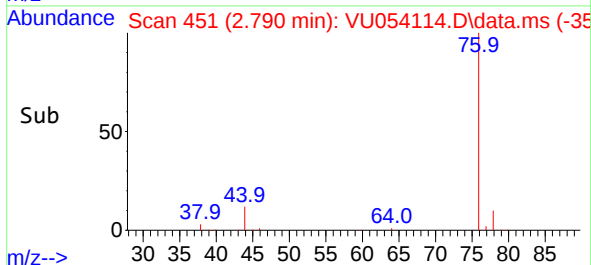
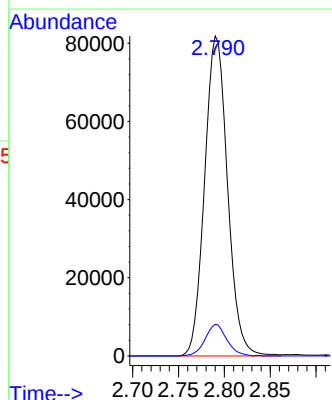
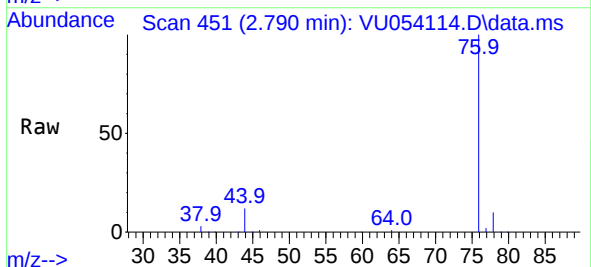
Acq: 09 May 2023 09:36

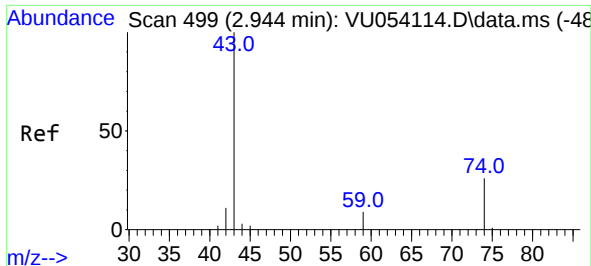
Tgt Ion: 76 Resp: 142222

Ion Ratio Lower Upper

76 100

78 9.9 7.0 10.4

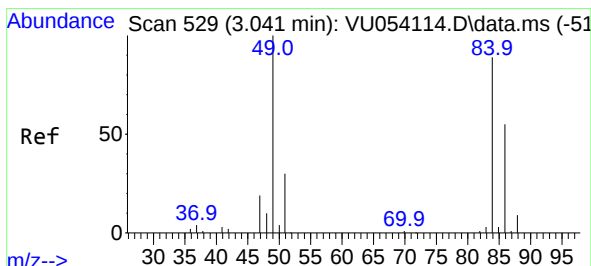
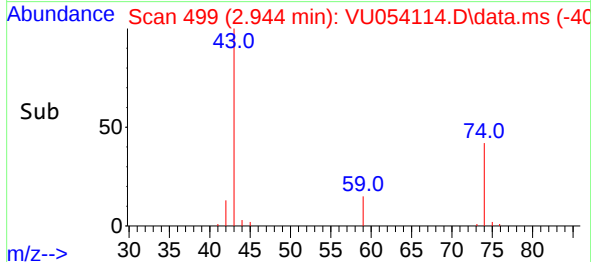
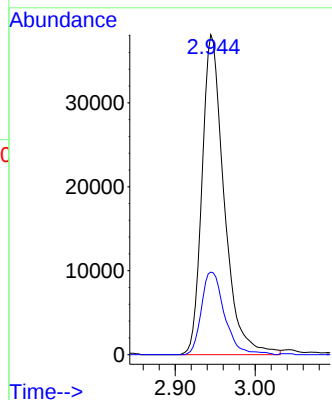
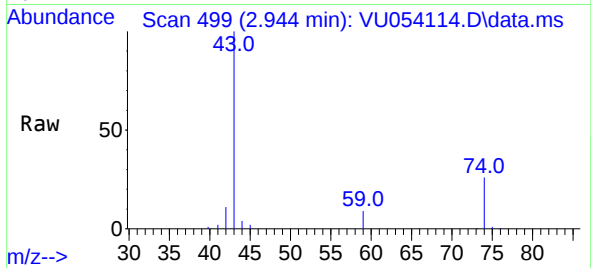




#15
Methyl Acetate
Concen: 47.581 ug/L
RT: 2.944 min Scan# 499
Delta R.T. -0.003 min
Lab File: VU054114.D
Acq: 09 May 2023 09:36

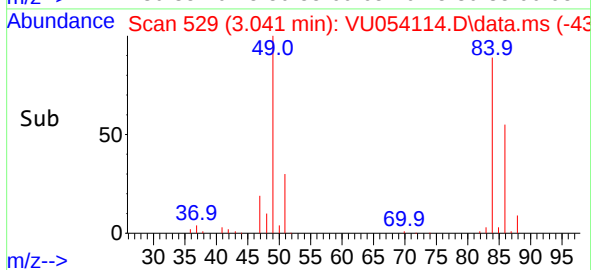
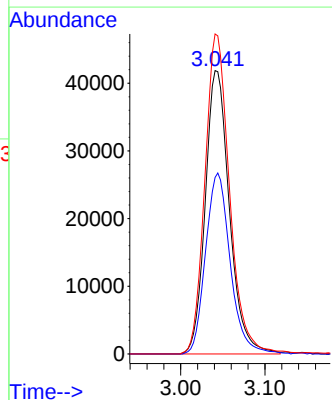
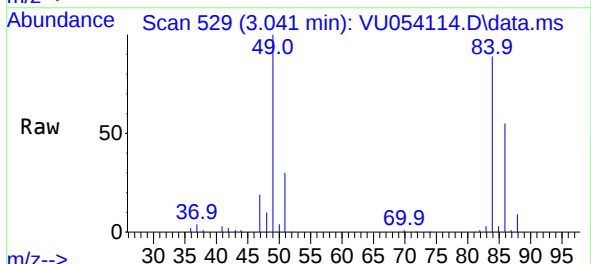
Instrument :
MSVOA_U
ClientSampleId :
VSTD050096

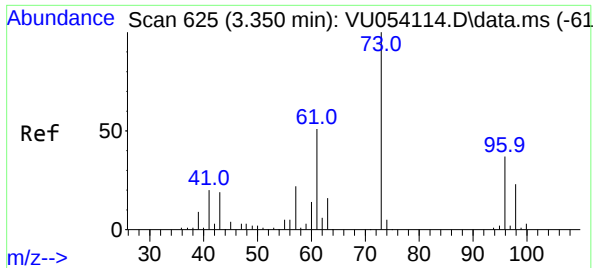
Tgt Ion: 43 Resp: 73238
Ion Ratio Lower Upper
43 100
74 26.5 21.2 31.8



#16
Methylene chloride
Concen: 49.273 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.003 min
Lab File: VU054114.D
Acq: 09 May 2023 09:36

Tgt Ion: 84 Resp: 83681
Ion Ratio Lower Upper
84 100
86 62.3 45.8 85.2
49 112.9 83.0 154.2

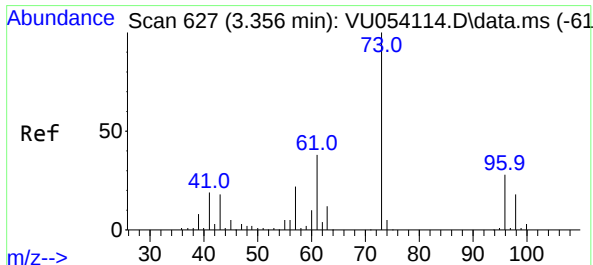
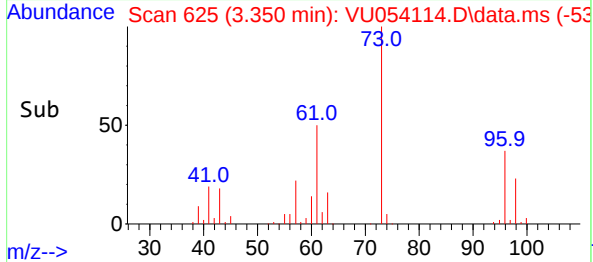
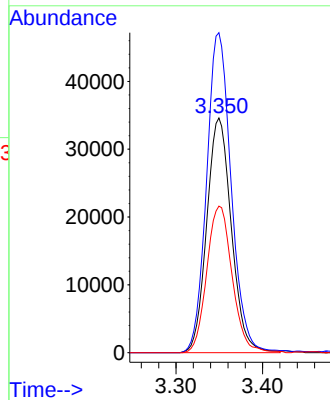
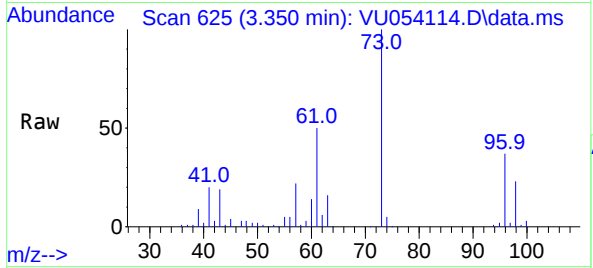




#17
trans-1,2-Dichloroethene
Concen: 49.761 ug/L
RT: 3.350 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU054114.D
Acq: 09 May 2023 09:36

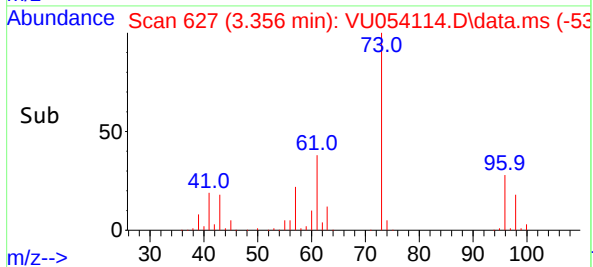
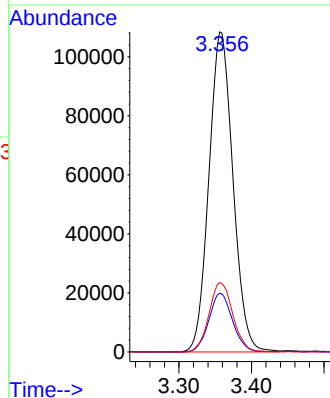
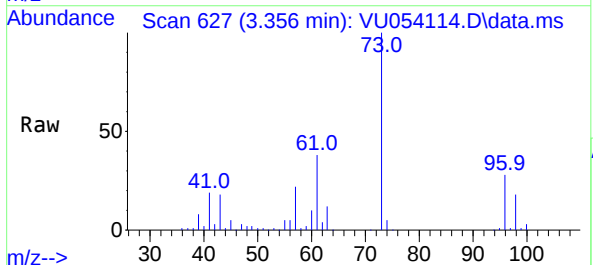
Instrument :
MSVOA_U
ClientSampleId :
VSTD050096

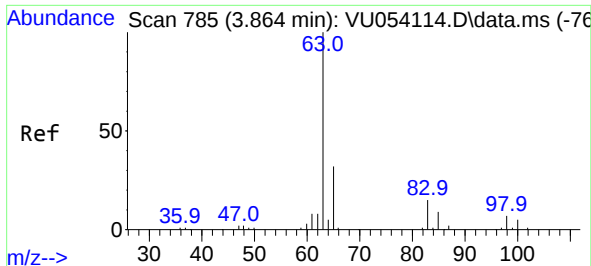
Tgt Ion: 96 Resp: 68518
Ion Ratio Lower Upper
96 100
61 136.4 97.5 181.1
98 62.4 44.8 83.2



#18
Methyl tert-butyl Ether
Concen: 49.358 ug/L
RT: 3.356 min Scan# 627
Delta R.T. -0.003 min
Lab File: VU054114.D
Acq: 09 May 2023 09:36

Tgt Ion: 73 Resp: 249854
Ion Ratio Lower Upper
73 100
43 18.1 15.4 23.0
57 21.5 18.0 27.0

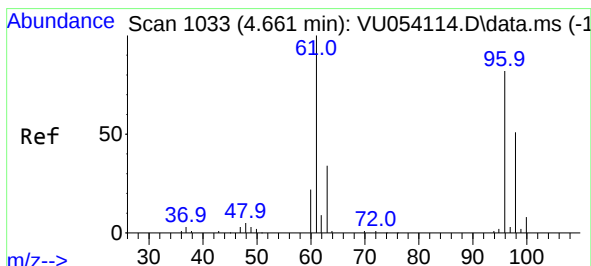
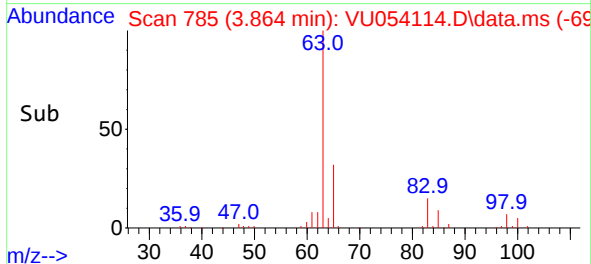
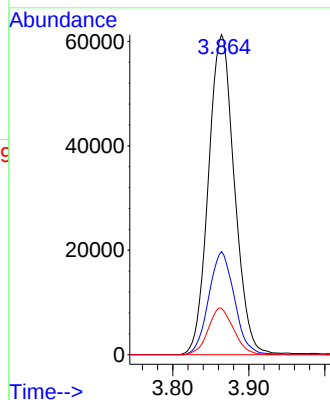
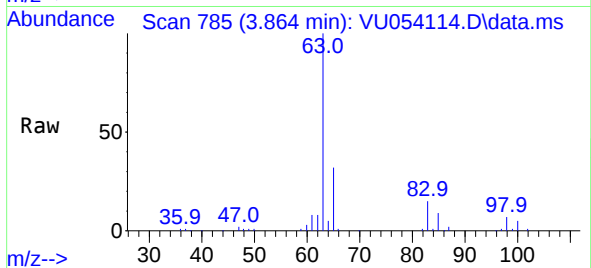




#19
1,1-Dichloroethane
Concen: 49.242 ug/L
RT: 3.864 min Scan# 785
Delta R.T. -0.000 min
Lab File: VU054114.D
Acq: 09 May 2023 09:36

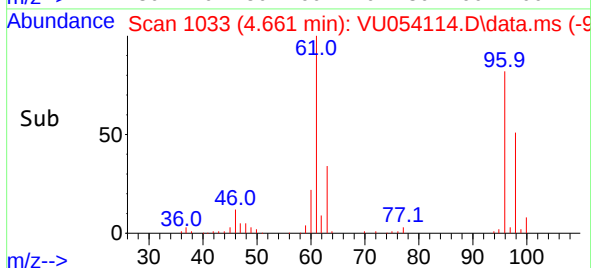
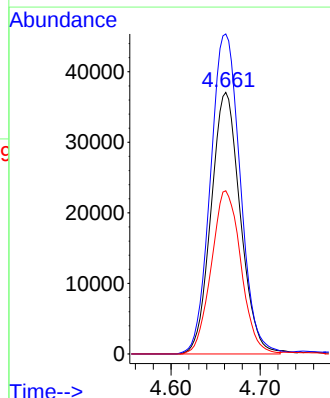
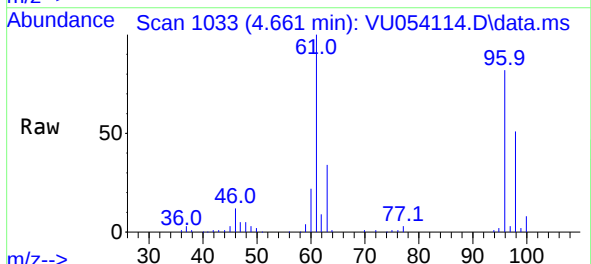
Instrument :
MSVOA_U
ClientSampleId :
VSTD050096

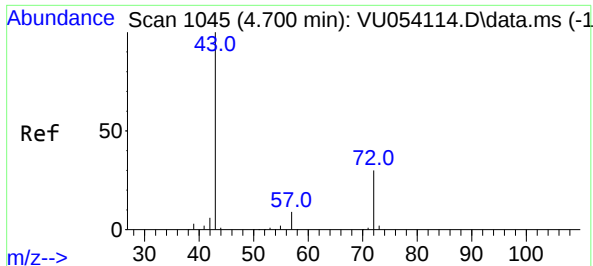
Tgt Ion: 63 Resp: 145579
Ion Ratio Lower Upper
63 100
65 32.2 22.0 40.8
83 14.5 9.9 18.3



#20
cis-1,2-Dichloroethene
Concen: 49.842 ug/L
RT: 4.661 min Scan# 1033
Delta R.T. -0.000 min
Lab File: VU054114.D
Acq: 09 May 2023 09:36

Tgt Ion: 96 Resp: 84336
Ion Ratio Lower Upper
96 100
61 122.3 90.9 168.9
98 62.4 45.7 84.9

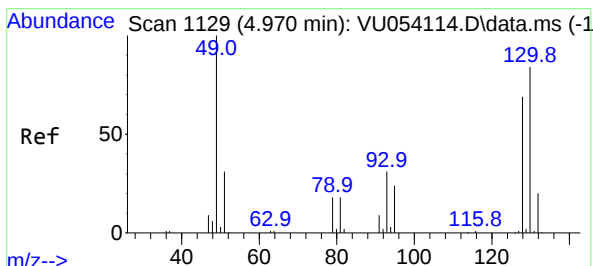
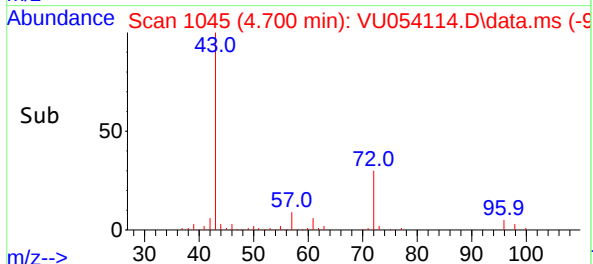
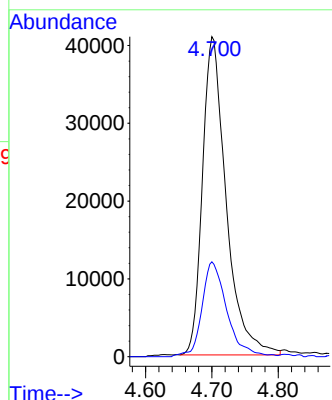
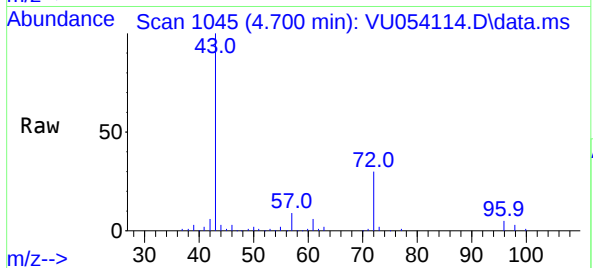




#22
2-Butanone
Concen: 87.815 ug/L
RT: 4.700 min Scan# 1045
Delta R.T. -0.003 min
Lab File: VU054114.D
Acq: 09 May 2023 09:36

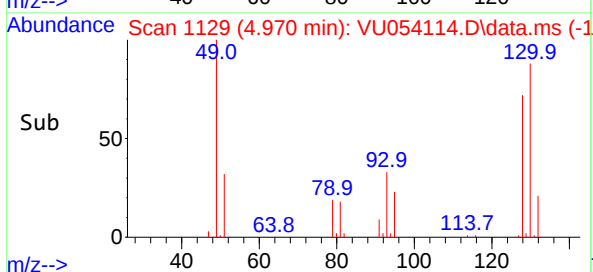
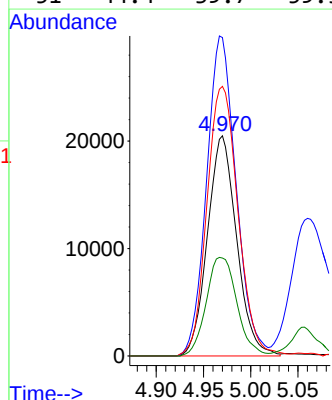
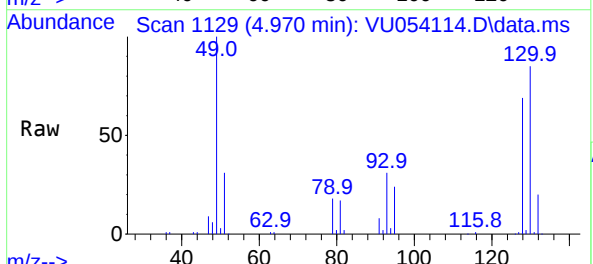
Instrument :
MSVOA_U
ClientSampleId :
VSTD050096

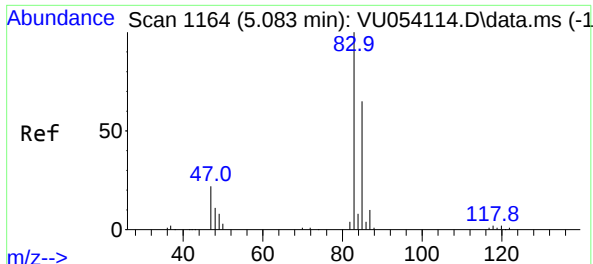
Tgt Ion: 43 Resp: 101900
Ion Ratio Lower Upper
43 100
72 31.0 14.0 41.9



#23
Bromochloromethane
Concen: 50.237 ug/L
RT: 4.970 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VU054114.D
Acq: 09 May 2023 09:36

Tgt Ion:128 Resp: 44070
Ion Ratio Lower Upper
128 100
49 144.6 107.5 199.7
130 122.4 91.0 169.0
51 44.4 39.7 59.5





#25

Chloroform

Concen: 50.453 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. -0.000 min

Lab File: VU054114.D

Acq: 09 May 2023 09:36

Instrument :

MSVOA_U

ClientSampleId :

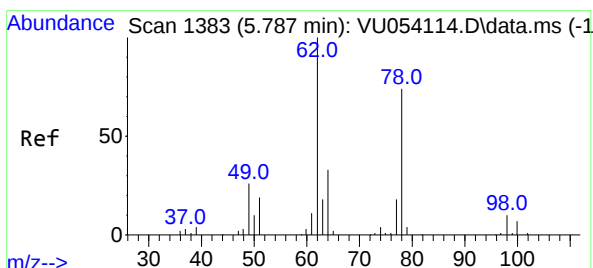
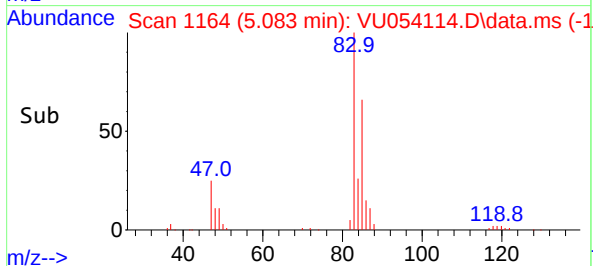
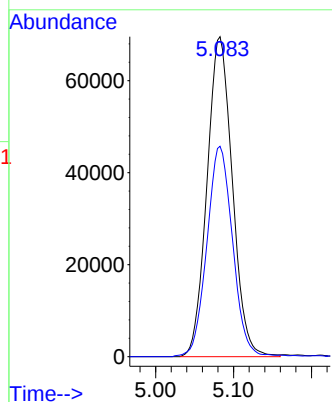
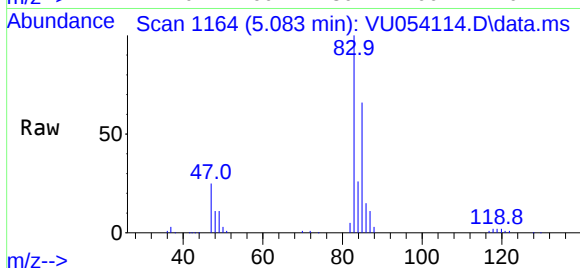
VSTD050096

Tgt Ion: 83 Resp: 157401

Ion Ratio Lower Upper

83 100

85 65.8 45.2 84.0



#27

1,2-Dichloroethane

Concen: 50.347 ug/L

RT: 5.787 min Scan# 1383

Delta R.T. -0.003 min

Lab File: VU054114.D

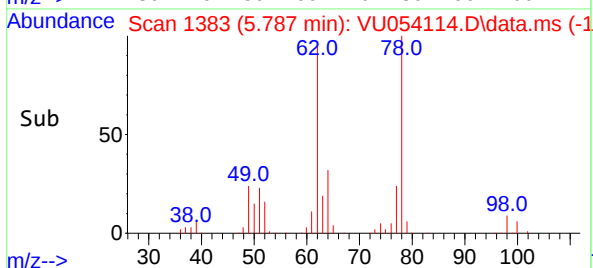
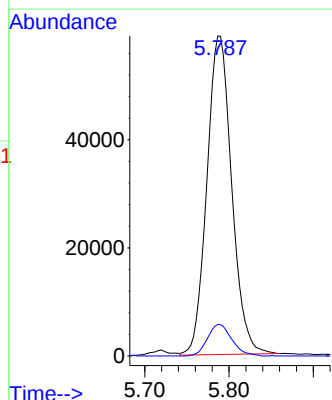
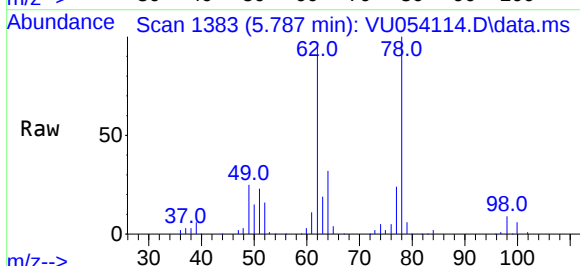
Acq: 09 May 2023 09:36

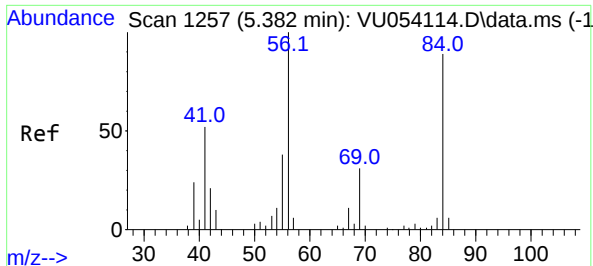
Tgt Ion: 62 Resp: 120815

Ion Ratio Lower Upper

62 100

98 9.8 8.0 12.0





#29

Cyclohexane

Concen: 45.230 ug/L

RT: 5.382 min Scan# 1257

Delta R.T. -0.003 min

Lab File: VU054114.D

Acq: 09 May 2023 09:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD050096

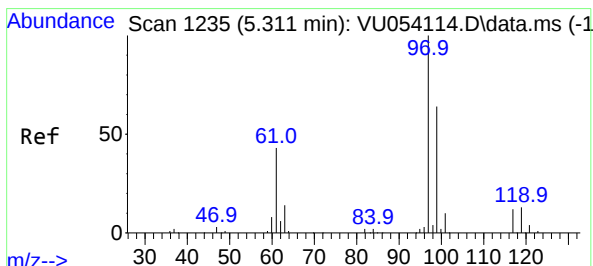
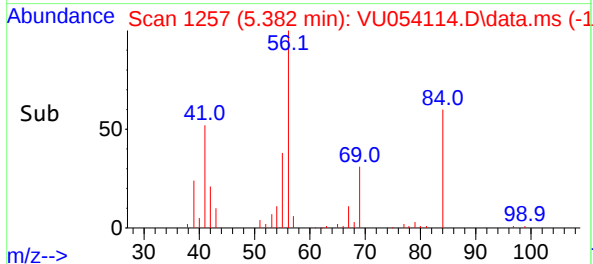
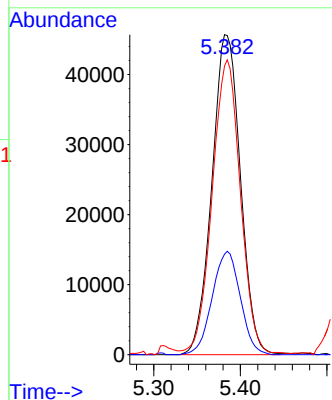
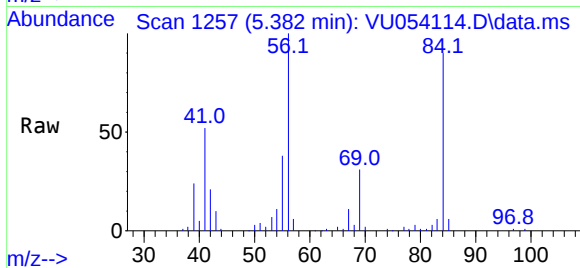
Tgt Ion: 56 Resp: 104533

Ion Ratio Lower Upper

56 100

69 31.8 25.8 38.6

84 89.9 73.6 110.4



#30

1,1,1-Trichloroethane

Concen: 49.161 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. -0.000 min

Lab File: VU054114.D

Acq: 09 May 2023 09:36

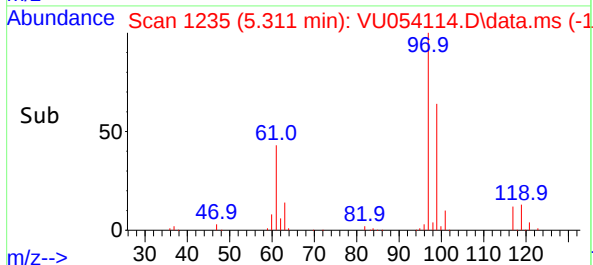
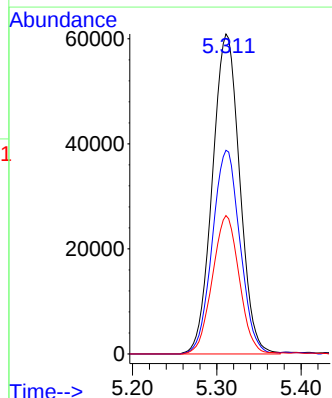
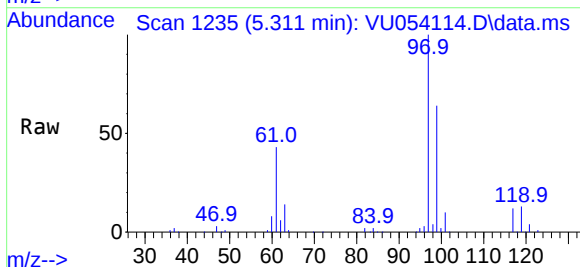
Tgt Ion: 97 Resp: 137030

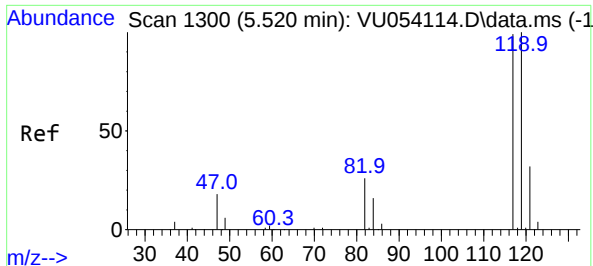
Ion Ratio Lower Upper

97 100

99 64.7 51.2 76.8

61 42.7 34.2 51.4

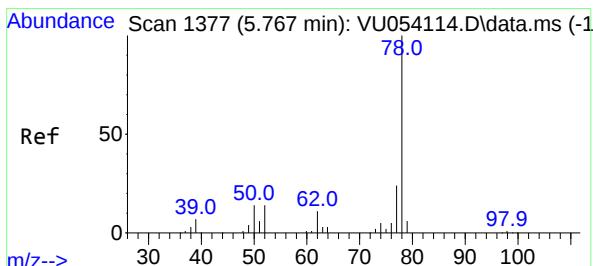
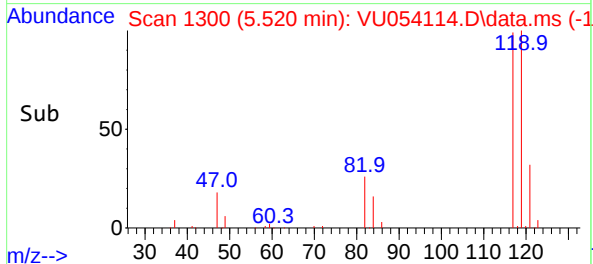
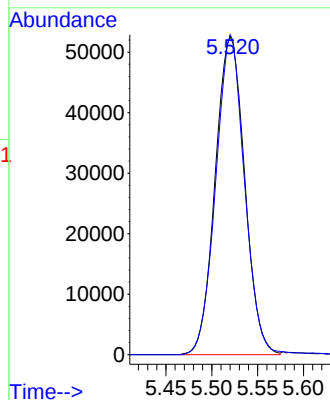
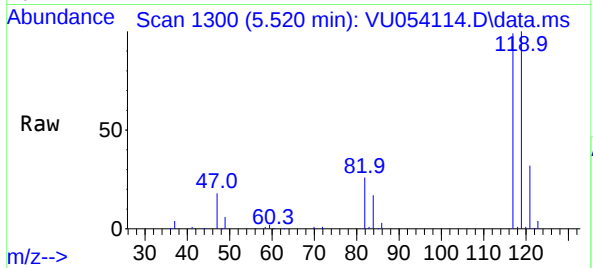




#31
Carbon tetrachloride
Concen: 49.274 ug/L
RT: 5.520 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU054114.D
Acq: 09 May 2023 09:36

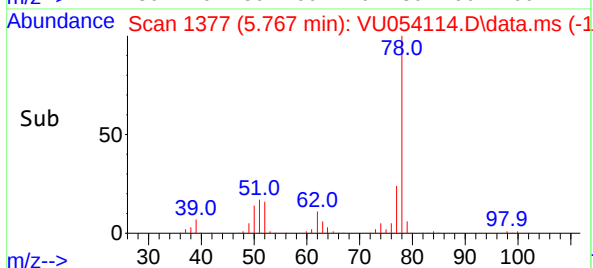
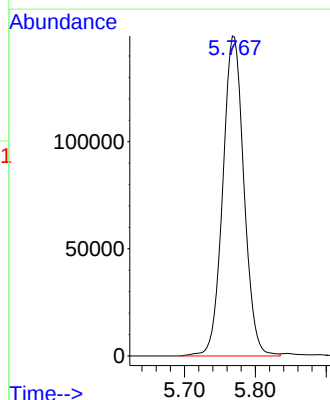
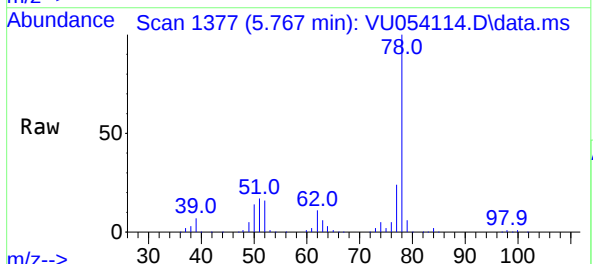
Instrument :
MSVOA_U
ClientSampleId :
VSTD050096

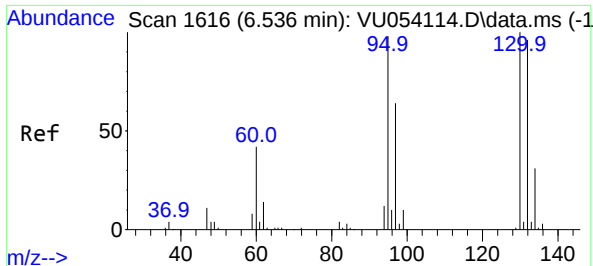
Tgt Ion:117 Resp: 117172
Ion Ratio Lower Upper
117 100
119 97.9 77.8 116.6



#33
Benzene
Concen: 47.583 ug/L
RT: 5.767 min Scan# 1377
Delta R.T. -0.003 min
Lab File: VU054114.D
Acq: 09 May 2023 09:36

Tgt Ion: 78 Resp: 309720

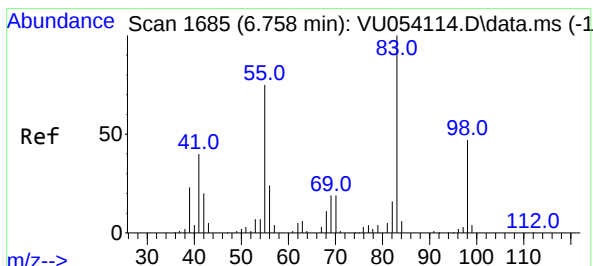
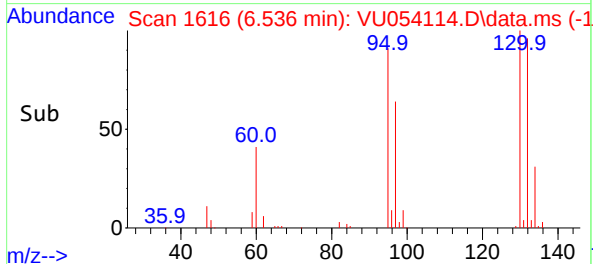
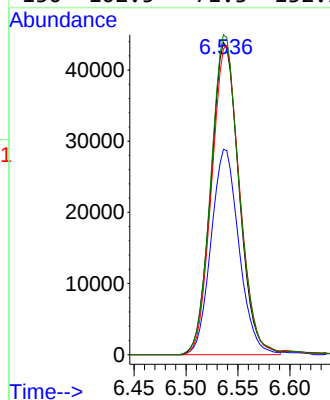
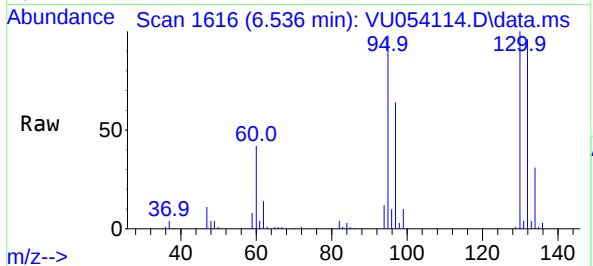




#34
Trichloroethene
Concen: 47.745 ug/L
RT: 6.536 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU054114.D
Acq: 09 May 2023 09:36

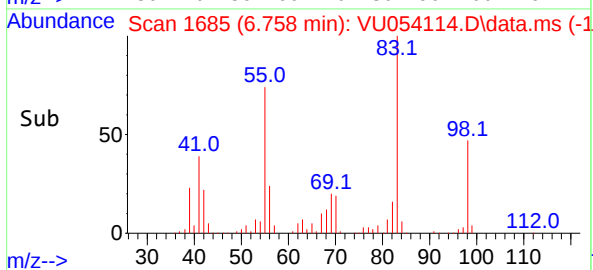
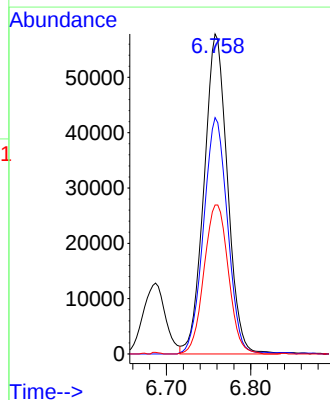
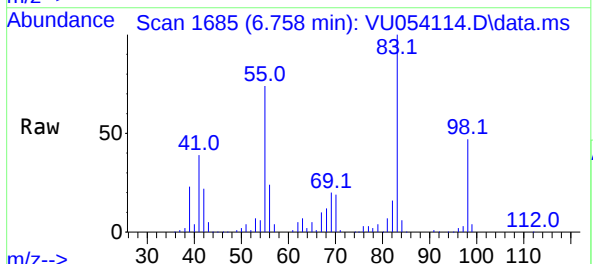
Instrument :
MSVOA_U
ClientSampleId :
VSTD050096

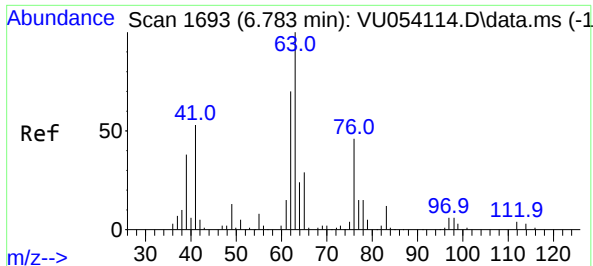
Tgt Ion: 95 Resp: 82482
Ion Ratio Lower Upper
95 100
97 65.7 46.5 86.3
132 97.9 67.8 126.0
130 102.5 71.3 132.3



#35
Methylcyclohexane
Concen: 46.258 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.003 min
Lab File: VU054114.D
Acq: 09 May 2023 09:36

Tgt Ion: 83 Resp: 112078
Ion Ratio Lower Upper
83 100
55 75.1 61.8 92.6
98 48.5 38.4 57.6

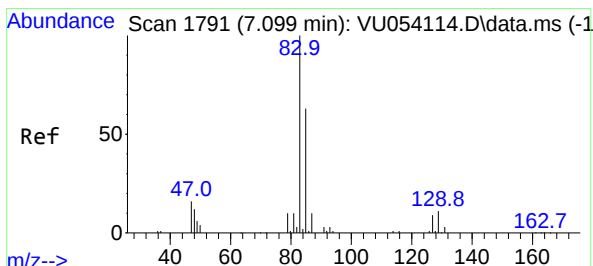
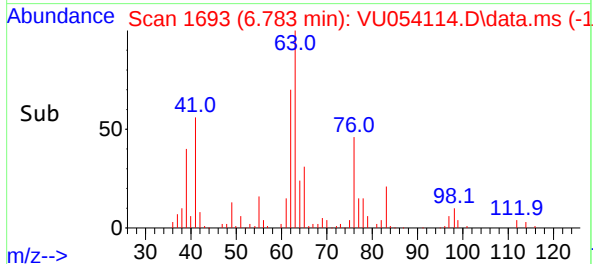
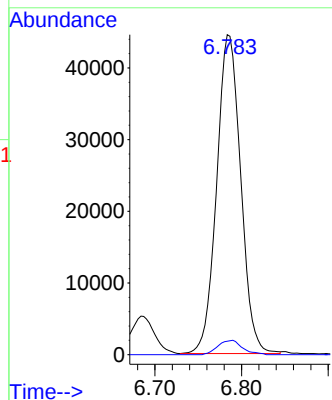
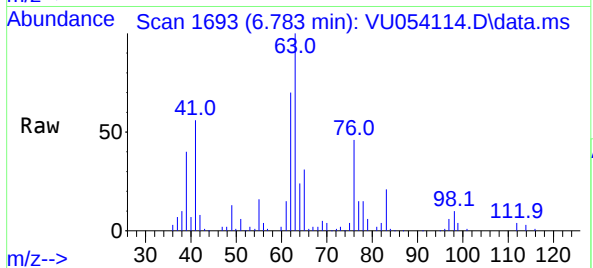




#37
1,2-Dichloropropane
Concen: 46.589 ug/L
RT: 6.783 min Scan# 1693
Delta R.T. -0.003 min
Lab File: VU054114.D
Acq: 09 May 2023 09:36

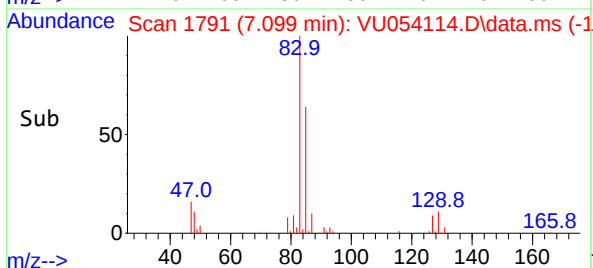
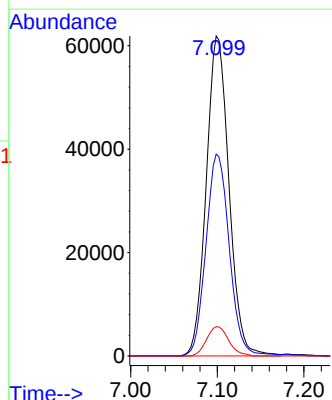
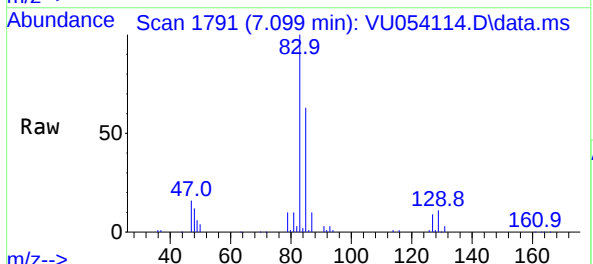
Instrument :
MSVOA_U
ClientSampleId :
VSTD050096

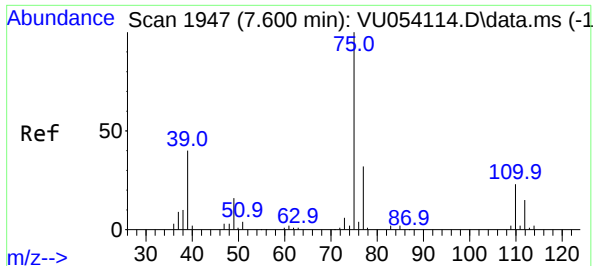
Tgt Ion: 63 Resp: 85794
Ion Ratio Lower Upper
63 100
112 4.6 3.4 5.0



#38
Bromodichloromethane
Concen: 48.674 ug/L
RT: 7.099 min Scan# 1791
Delta R.T. -0.003 min
Lab File: VU054114.D
Acq: 09 May 2023 09:36

Tgt Ion: 83 Resp: 112926
Ion Ratio Lower Upper
83 100
85 63.1 45.0 83.6
127 9.1 7.1 10.7

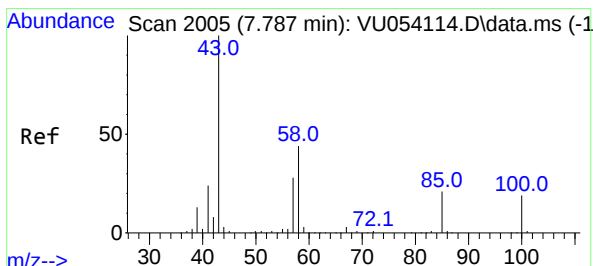
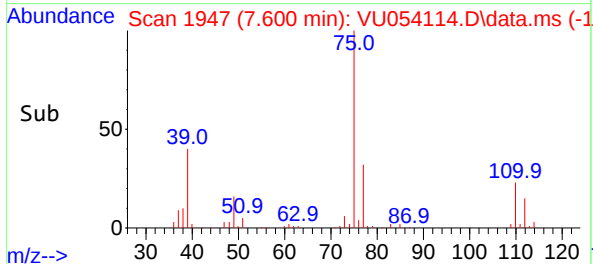
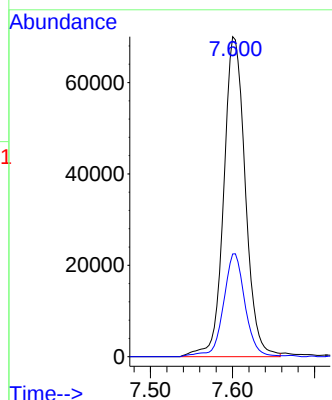
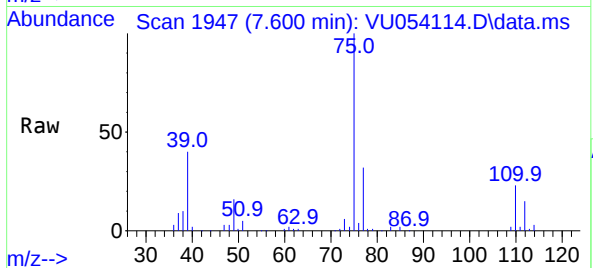




#39
 cis-1,3-Dichloropropene
 Concen: 44.470 ug/L
 RT: 7.600 min Scan# 1947
 Delta R.T. -0.003 min
 Lab File: VU054114.D
 Acq: 09 May 2023 09:36

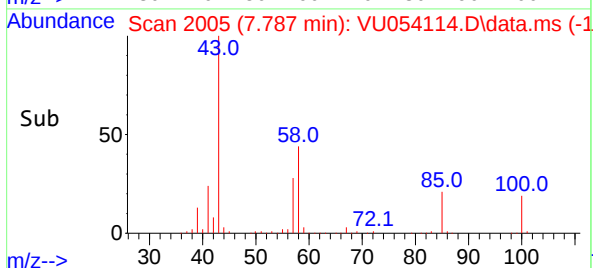
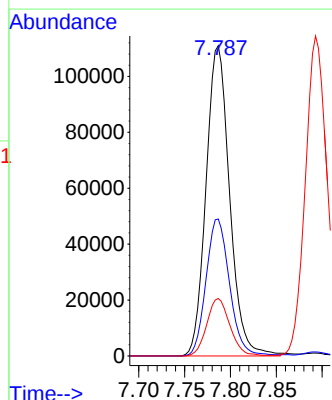
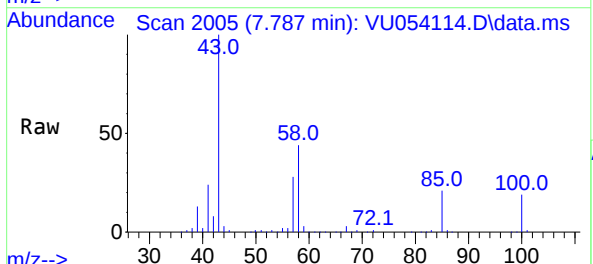
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050096

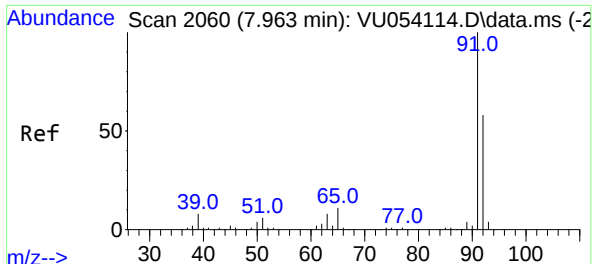
Tgt Ion: 75 Resp: 128107
 Ion Ratio Lower Upper
 75 100
 77 32.1 21.1 39.1



#40
 4-Methyl-2-pentanone
 Concen: 92.607 ug/L
 RT: 7.787 min Scan# 2005
 Delta R.T. -0.000 min
 Lab File: VU054114.D
 Acq: 09 May 2023 09:36

Tgt Ion: 43 Resp: 198739
 Ion Ratio Lower Upper
 43 100
 58 44.1 34.5 51.7
 100 18.2 13.8 20.6

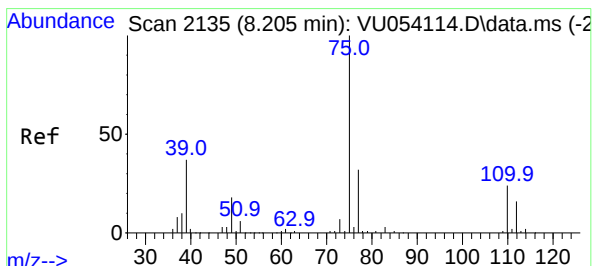
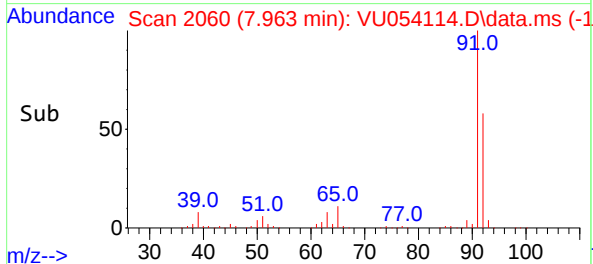
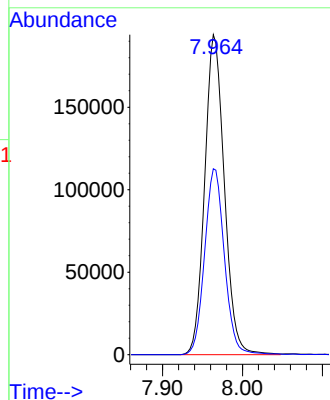
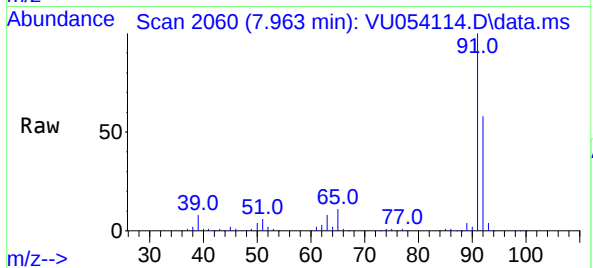




#42
Toluene
Concen: 49.019 ug/L
RT: 7.963 min Scan# 2060
Delta R.T. -0.003 min
Lab File: VU054114.D
Acq: 09 May 2023 09:36

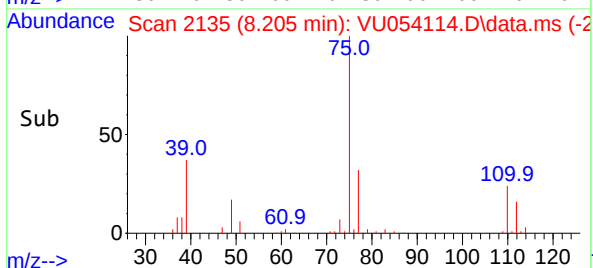
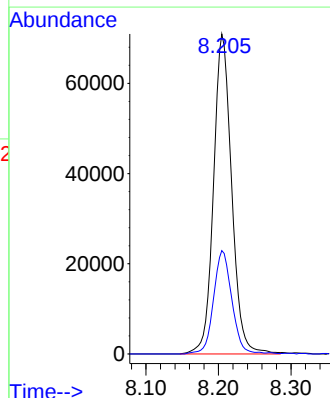
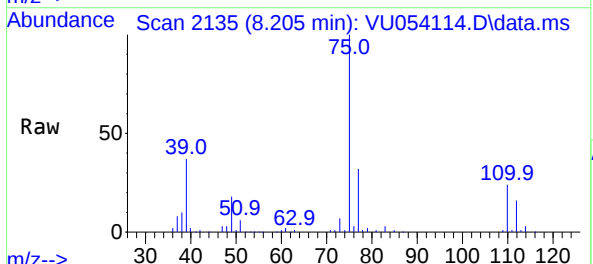
Instrument :
MSVOA_U
ClientSampleId :
VSTD050096

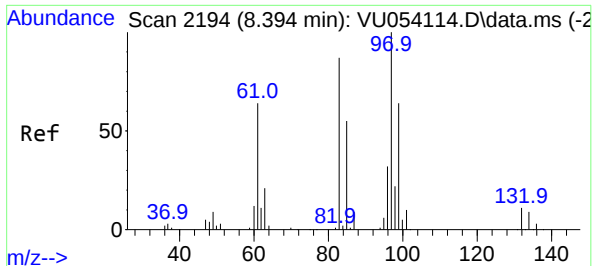
Tgt Ion: 91 Resp: 332159
Ion Ratio Lower Upper
91 100
92 58.1 40.5 75.3



#44
trans-1,3-Dichloropropene
Concen: 45.009 ug/L
RT: 8.205 min Scan# 2135
Delta R.T. -0.000 min
Lab File: VU054114.D
Acq: 09 May 2023 09:36

Tgt Ion: 75 Resp: 123225
Ion Ratio Lower Upper
75 100
77 32.3 22.5 41.7



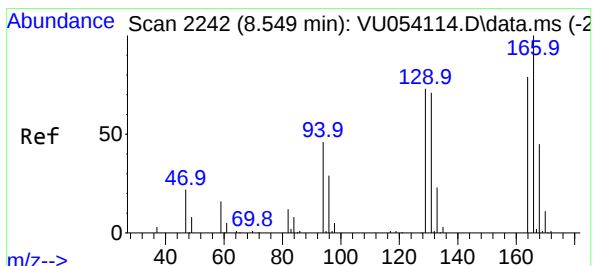
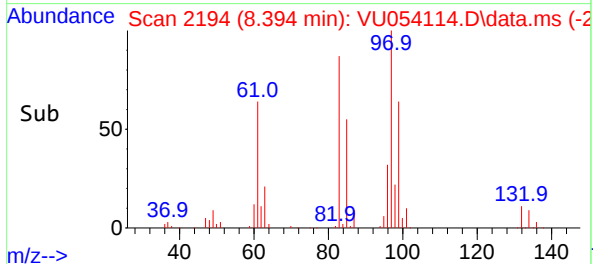
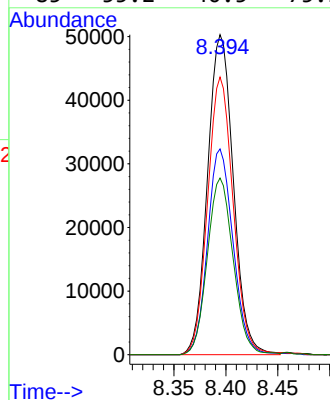
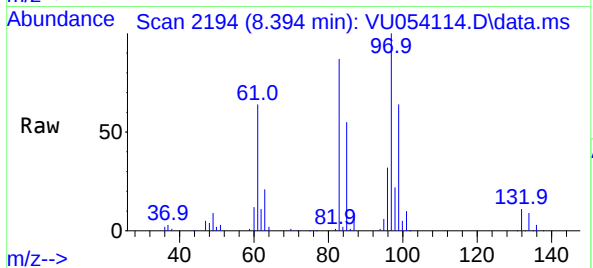


#45
1,1,2-Trichloroethane
Concen: 48.839 ug/L
RT: 8.394 min Scan# 2194
Delta R.T. -0.000 min
Lab File: VU054114.D
Acq: 09 May 2023 09:36

Instrument :
MSVOA_U
ClientSampleId :
VSTD050096

Tgt Ion: 97 Resp: 87053

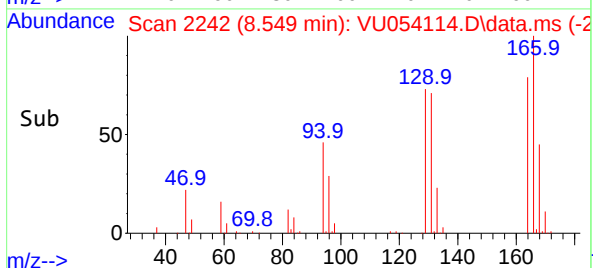
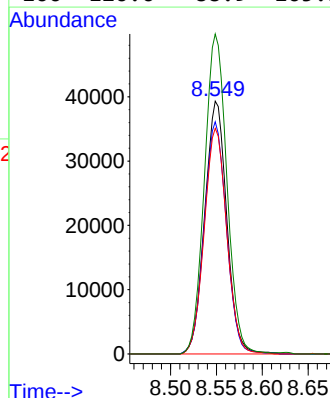
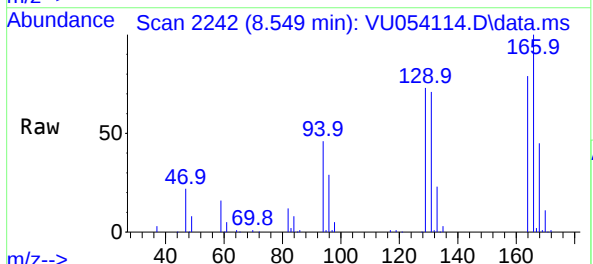
Ion	Ratio	Lower	Upper
97	100		
99	64.3	46.2	85.8
83	86.7	62.7	116.5
85	55.2	40.5	75.1

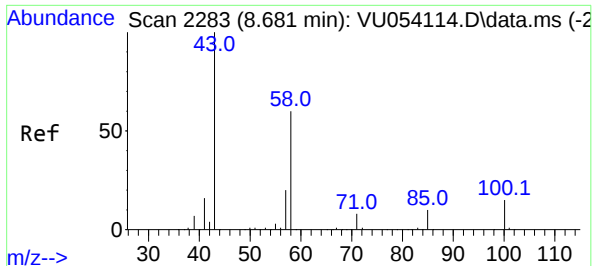


#46
Tetrachloroethene
Concen: 48.047 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.000 min
Lab File: VU054114.D
Acq: 09 May 2023 09:36

Tgt Ion: 164 Resp: 65851

Ion	Ratio	Lower	Upper
164	100		
129	91.9	65.6	121.8
131	89.3	63.8	118.4
166	126.6	88.9	165.1



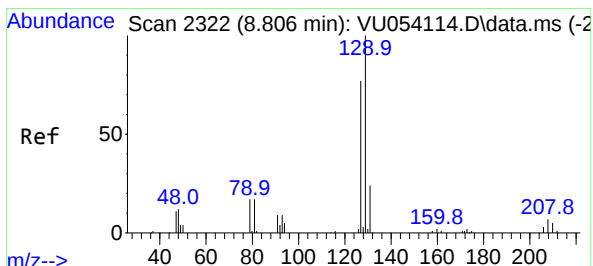
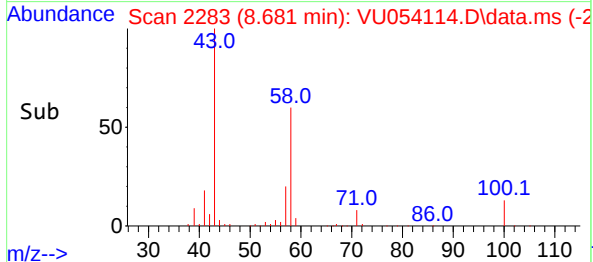
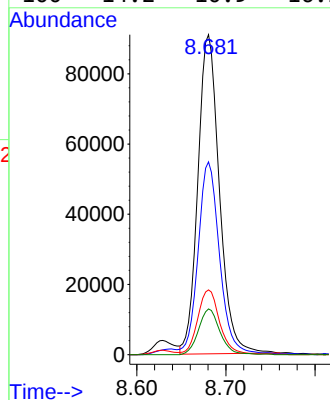
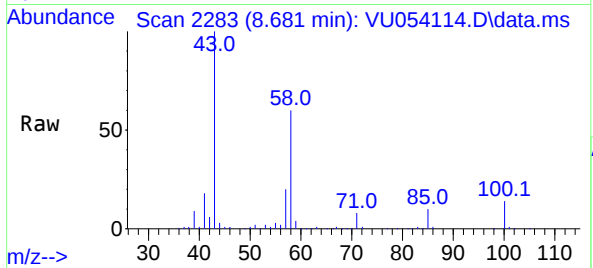


#48
2-Hexanone
Concen: 89.788 ug/L
RT: 8.681 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054114.D
Acq: 09 May 2023 09:36

Instrument :
MSVOA_U
ClientSampleId :
VSTD050096

Tgt Ion: 43 Resp: 152706

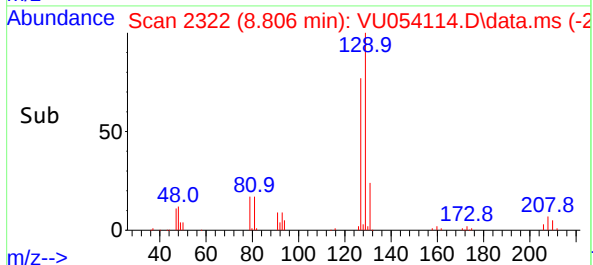
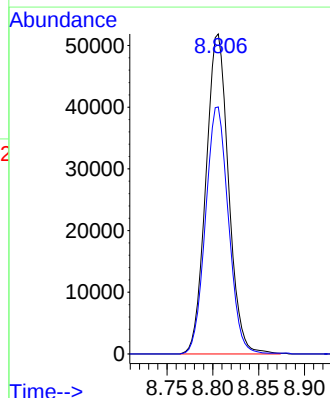
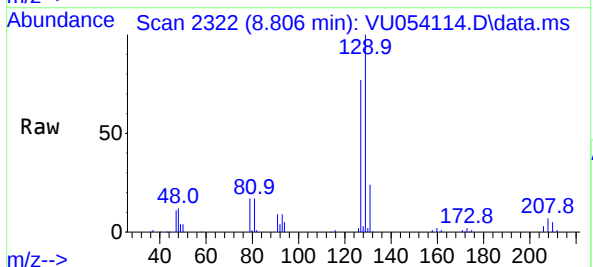
Ion	Ratio	Lower	Upper
43	100		
58	59.1	48.5	72.7
57	20.9	16.5	24.7
100	14.2	10.9	16.3

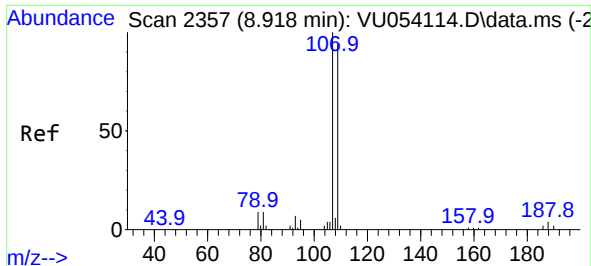


#49
Dibromochloromethane
Concen: 50.762 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VU054114.D
Acq: 09 May 2023 09:36

Tgt Ion: 129 Resp: 89159

Ion	Ratio	Lower	Upper
129	100		
127	77.2	52.9	98.3

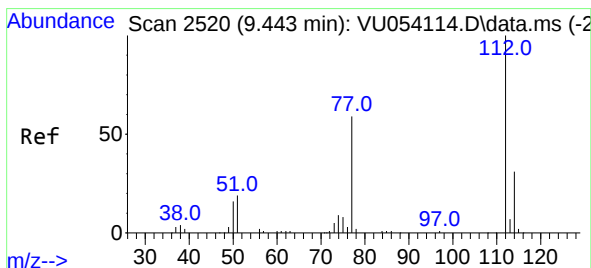
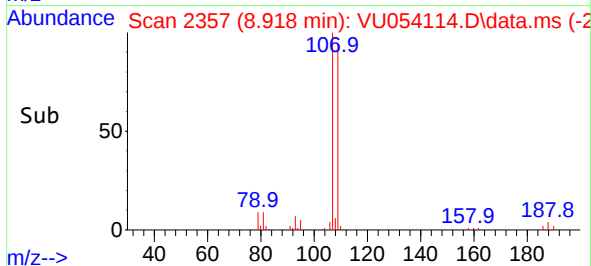
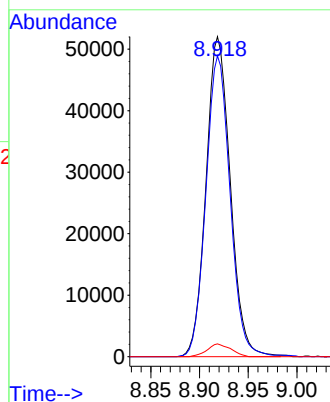
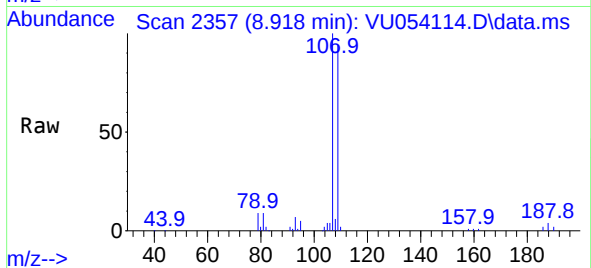




#50
1,2-Dibromoethane
Concen: 49.868 ug/L
RT: 8.918 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054114.D
Acq: 09 May 2023 09:36

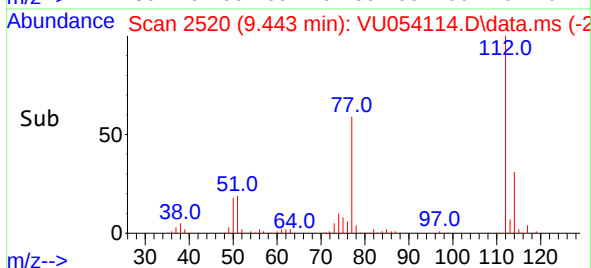
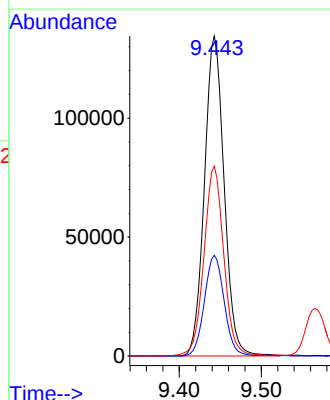
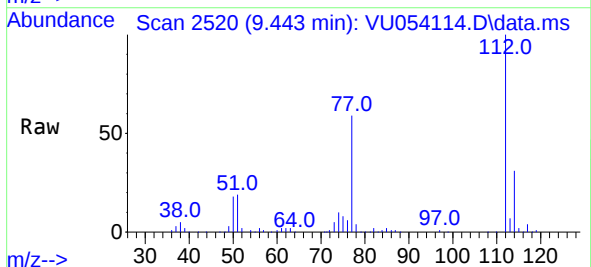
Instrument :
MSVOA_U
ClientSampleId :
VSTD050096

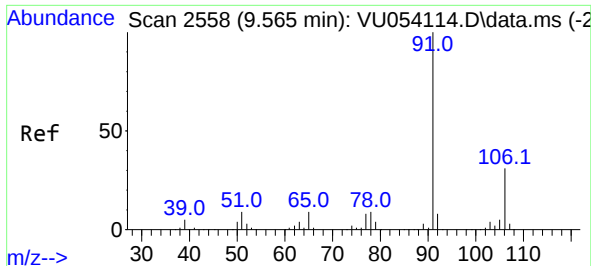
Tgt Ion:107 Resp: 90220
Ion Ratio Lower Upper
107 100
109 94.0 66.1 122.8
188 4.0 3.1 4.7



#51
Chlorobenzene
Concen: 49.633 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. -0.000 min
Lab File: VU054114.D
Acq: 09 May 2023 09:36

Tgt Ion:112 Resp: 224949
Ion Ratio Lower Upper
112 100
114 31.5 22.3 41.3
77 59.3 47.0 70.4

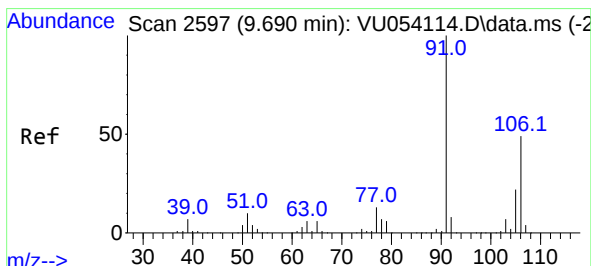
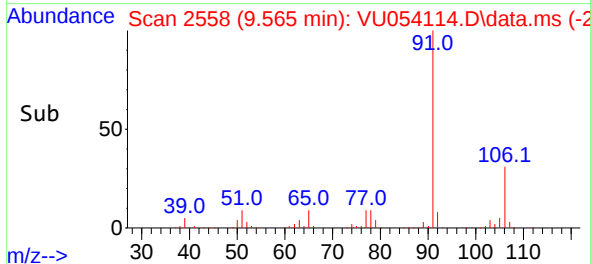
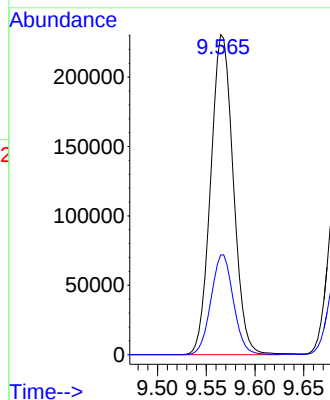
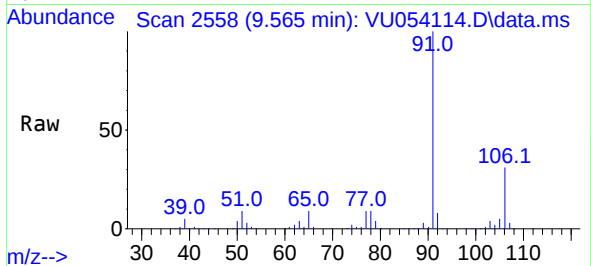




#52
Ethylbenzene
Concen: 48.704 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. -0.000 min
Lab File: VU054114.D
Acq: 09 May 2023 09:36

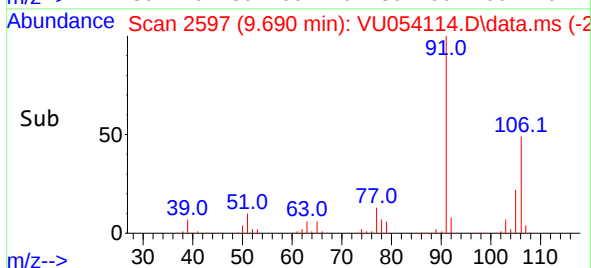
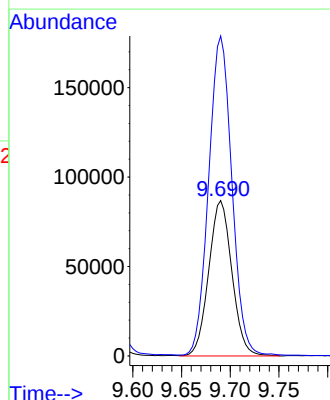
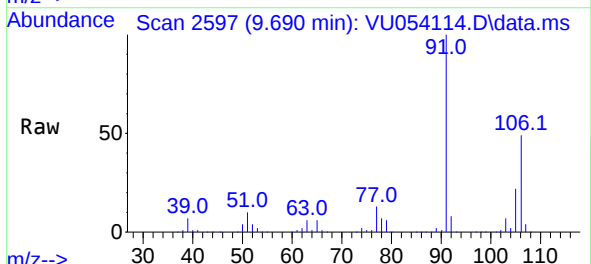
Instrument :
MSVOA_U
ClientSampleId :
VSTD050096

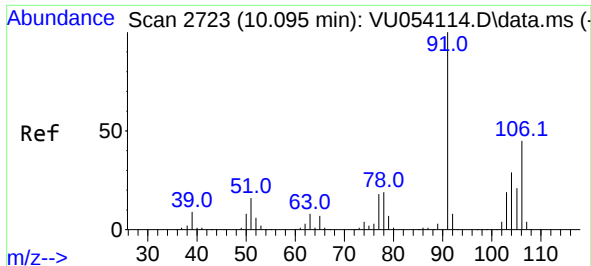
Tgt Ion: 91 Resp: 371440
Ion Ratio Lower Upper
91 100
106 31.2 21.3 39.6



#53
m,p-Xylene
Concen: 50.256 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.000 min
Lab File: VU054114.D
Acq: 09 May 2023 09:36

Tgt Ion: 106 Resp: 143923
Ion Ratio Lower Upper
106 100
91 206.0 140.5 260.9

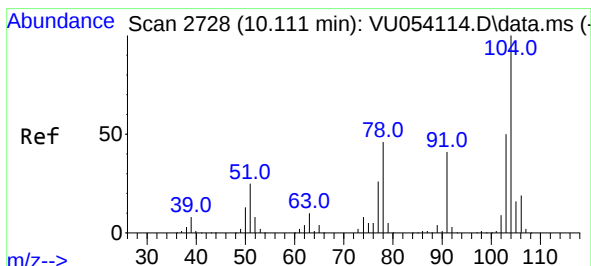
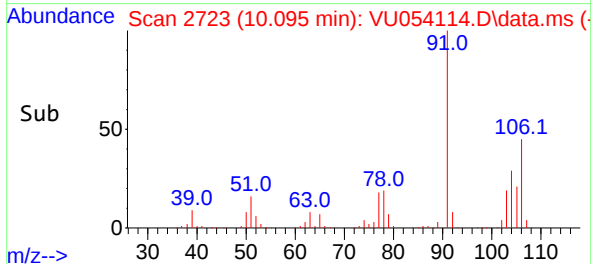
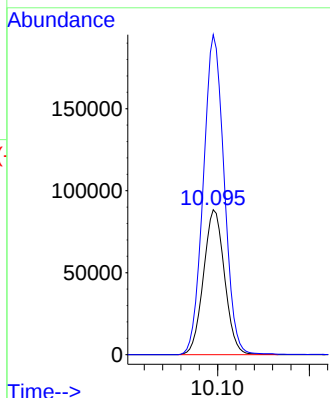
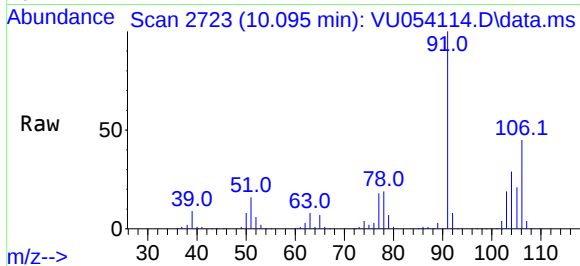




#54
o-Xylene
Concen: 50.412 ug/L
RT: 10.095 min Scan# 2723
Delta R.T. -0.000 min
Lab File: VU054114.D
Acq: 09 May 2023 09:36

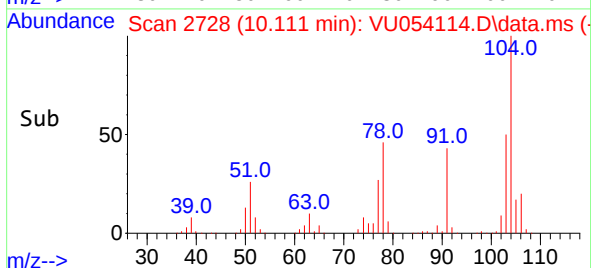
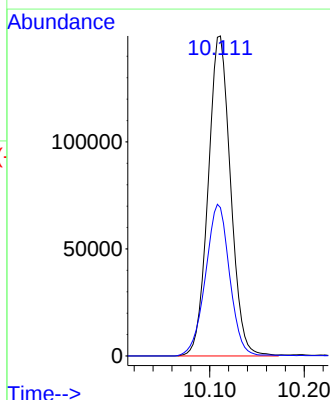
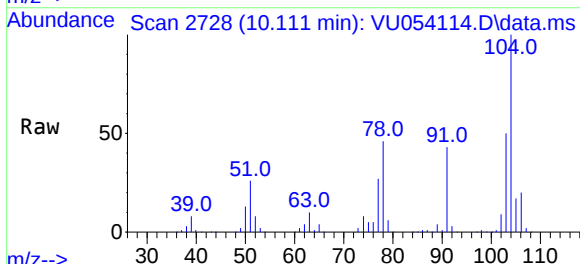
Instrument :
MSVOA_U
ClientSampleId :
VSTD050096

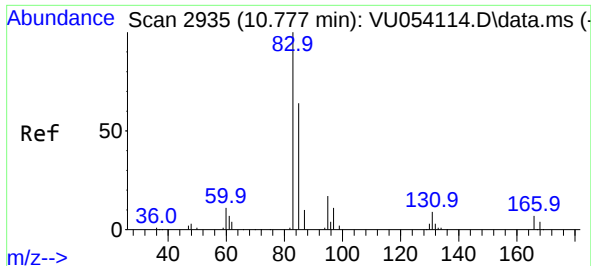
Tgt Ion:106 Resp: 141240
Ion Ratio Lower Upper
106 100
91 220.7 154.9 287.7



#55
Styrene
Concen: 51.264 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. -0.000 min
Lab File: VU054114.D
Acq: 09 May 2023 09:36

Tgt Ion:104 Resp: 246349
Ion Ratio Lower Upper
104 100
78 46.4 33.2 61.7

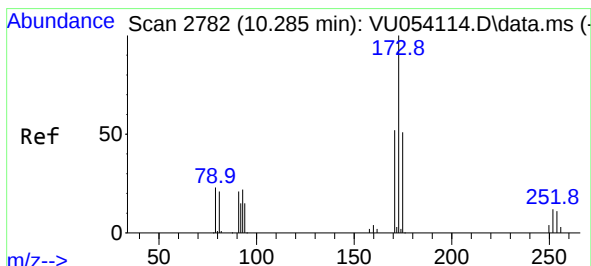
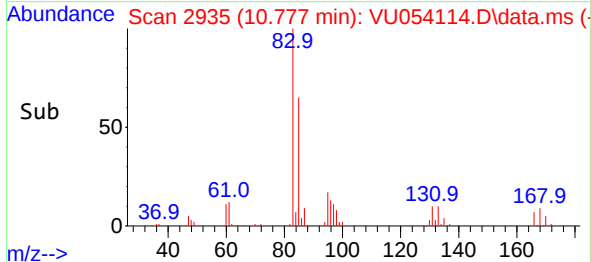
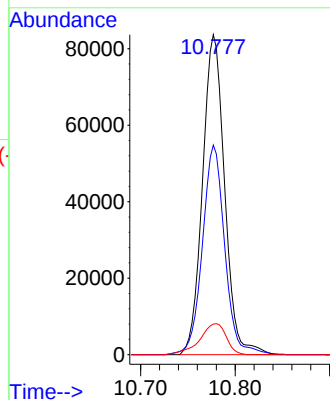
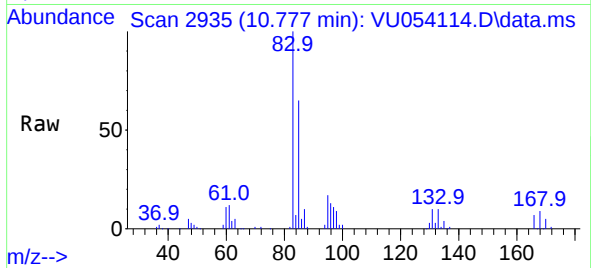




#57
1,1,2,2-Tetrachloroethane
Concen: 48.445 ug/L
RT: 10.777 min Scan# 2935
Delta R.T. -0.000 min
Lab File: VU054114.D
Acq: 09 May 2023 09:36

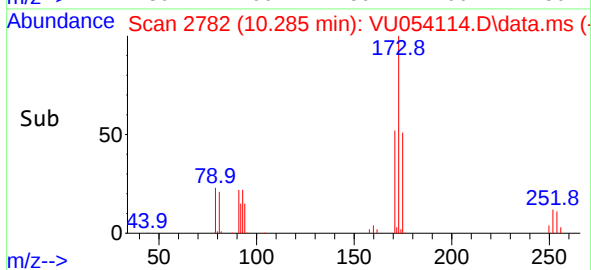
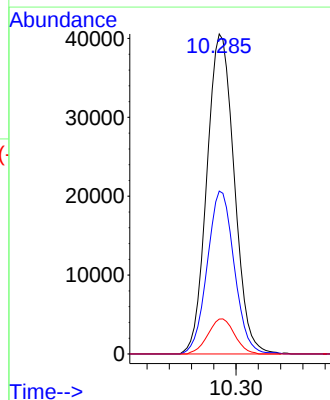
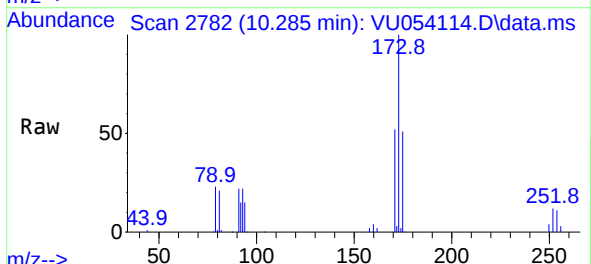
Instrument :
MSVOA_U
ClientSampleId :
VSTD050096

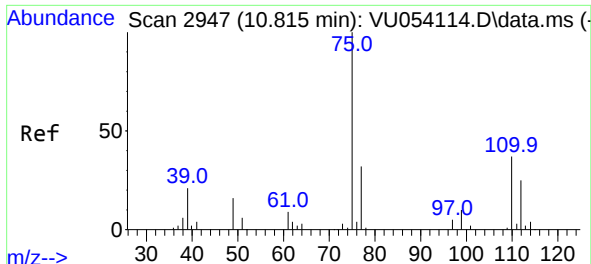
Tgt Ion: 83 Resp: 136026
Ion Ratio Lower Upper
83 100
85 65.5 45.1 83.9
131 9.6 8.2 12.2



#59
Bromoform
Concen: 49.780 ug/L
RT: 10.285 min Scan# 2782
Delta R.T. -0.000 min
Lab File: VU054114.D
Acq: 09 May 2023 09:36

Tgt Ion:173 Resp: 69169
Ion Ratio Lower Upper
173 100
175 50.3 38.9 58.3
254 10.7 8.5 12.7

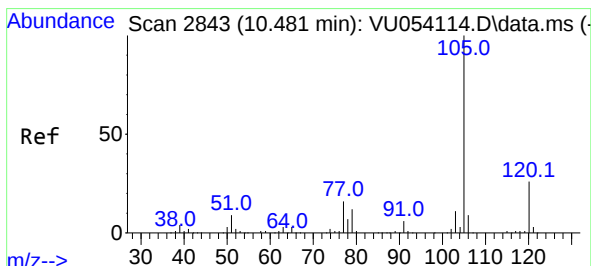
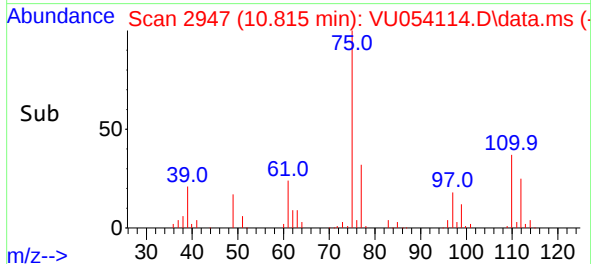
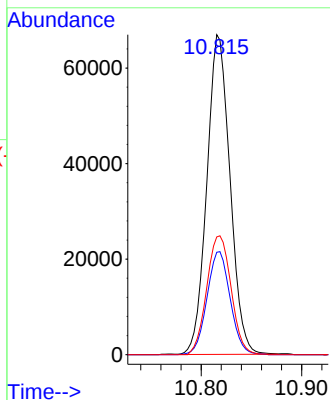
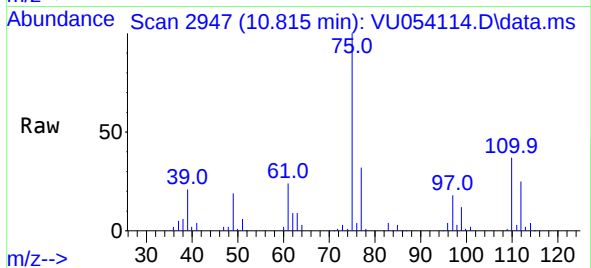




#60
1,2,3-Trichloropropane
Concen: 46.524 ug/L
RT: 10.815 min Scan# 2947
Delta R.T. -0.000 min
Lab File: VU054114.D
Acq: 09 May 2023 09:36

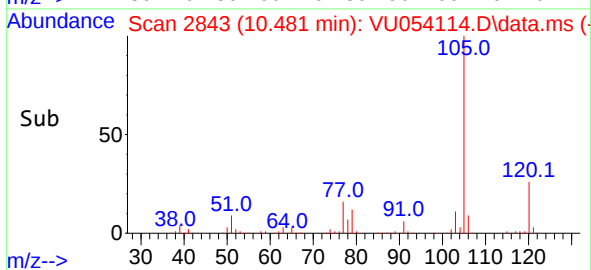
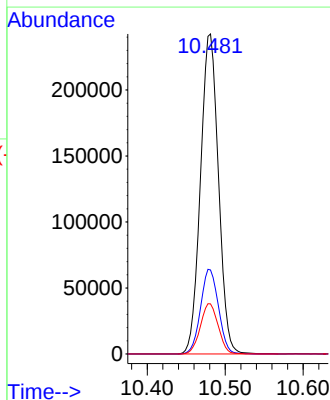
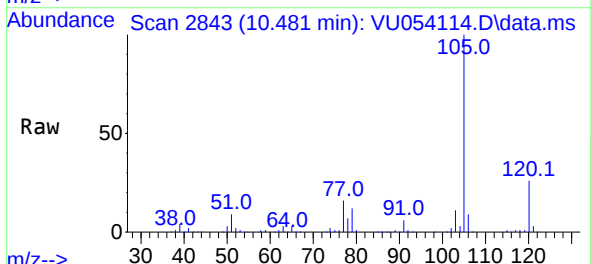
Instrument :
MSVOA_U
ClientSampleId :
VSTD050096

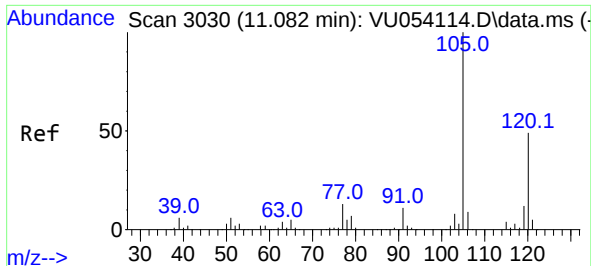
Tgt Ion: 75 Resp: 107253
Ion Ratio Lower Upper
75 100
77 32.4 26.0 39.0
110 39.1 31.8 47.8



#61
Isopropylbenzene
Concen: 49.546 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. -0.000 min
Lab File: VU054114.D
Acq: 09 May 2023 09:36

Tgt Ion: 105 Resp: 388168
Ion Ratio Lower Upper
105 100
120 26.3 21.3 31.9
77 15.6 12.7 19.1

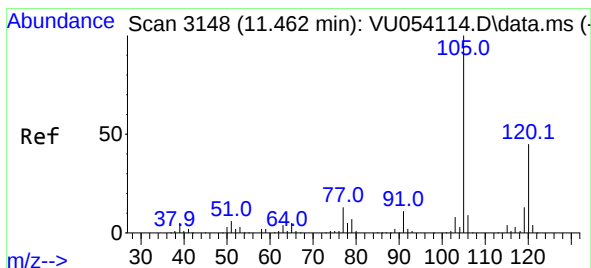
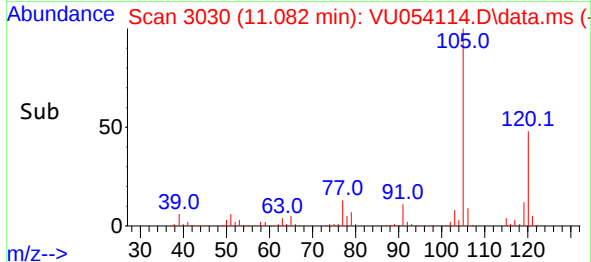
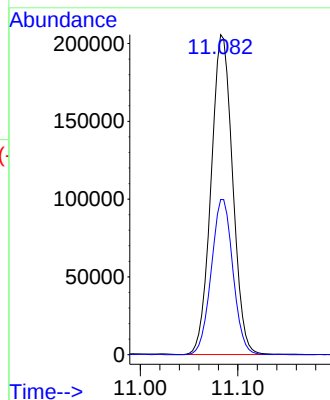
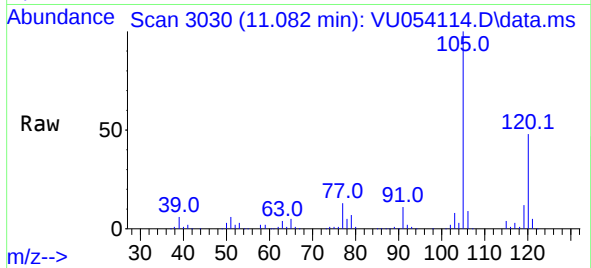




#62
1,3,5-Trimethylbenzene
Concen: 49.235 ug/L
RT: 11.082 min Scan# 3030
Delta R.T. -0.000 min
Lab File: VU054114.D
Acq: 09 May 2023 09:36

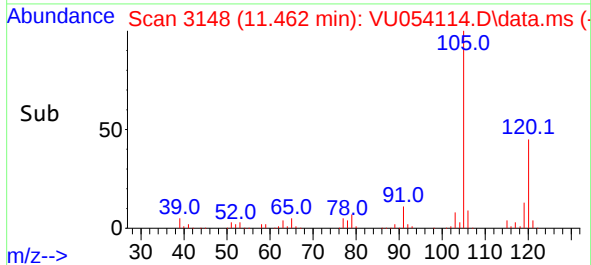
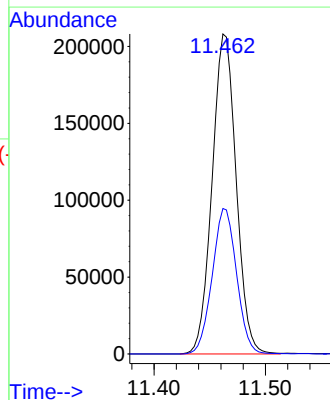
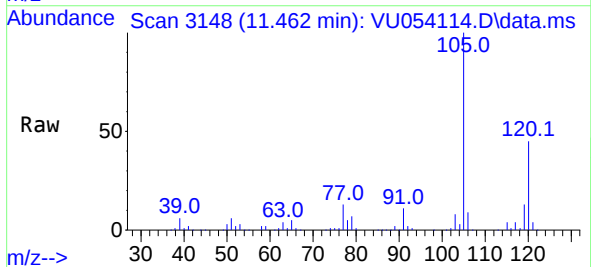
Instrument :
MSVOA_U
ClientSampleId :
VSTD050096

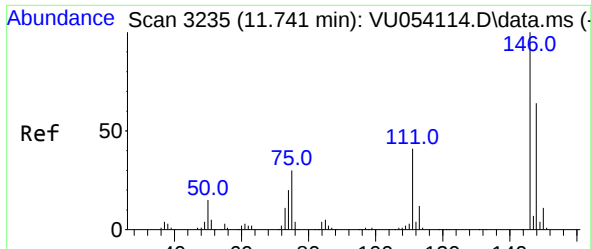
Tgt Ion:105 Resp: 316089
Ion Ratio Lower Upper
105 100
120 48.7 39.4 59.2



#63
1,2,4-Trimethylbenzene
Concen: 49.346 ug/L
RT: 11.462 min Scan# 3148
Delta R.T. -0.000 min
Lab File: VU054114.D
Acq: 09 May 2023 09:36

Tgt Ion:105 Resp: 312259
Ion Ratio Lower Upper
105 100
120 46.0 36.5 54.7

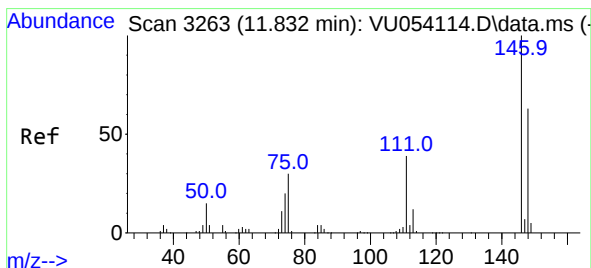
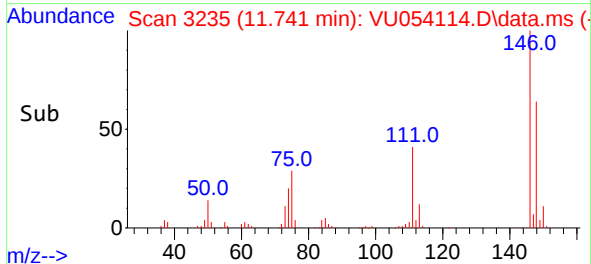
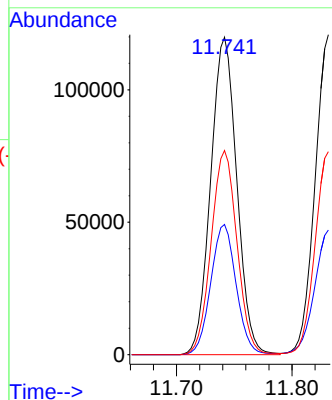
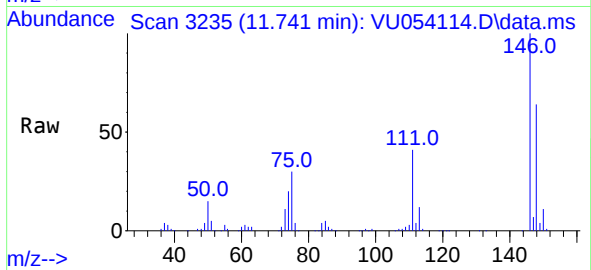




#64
1,3-Dichlorobenzene
Concen: 49.115 ug/L
RT: 11.741 min Scan# 3235
Delta R.T. -0.000 min
Lab File: VU054114.D
Acq: 09 May 2023 09:36

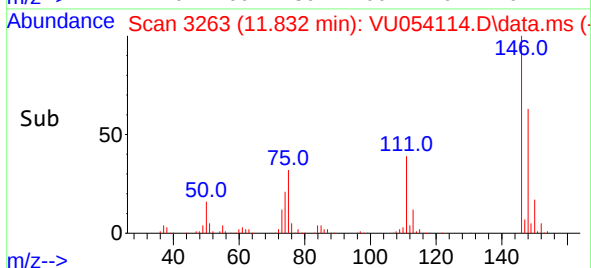
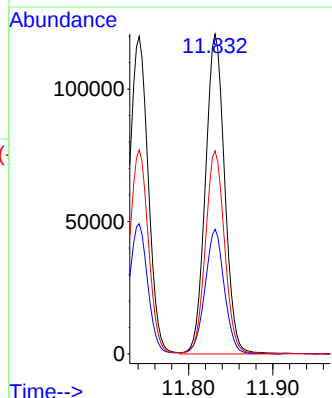
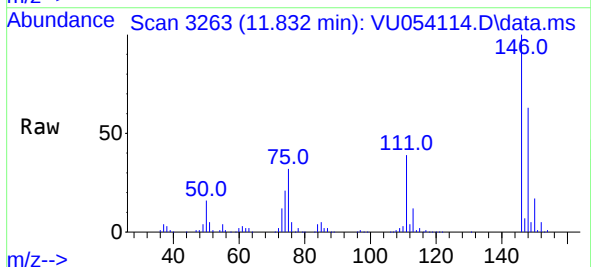
Instrument :
MSVOA_U
ClientSampleId :
VSTD050096

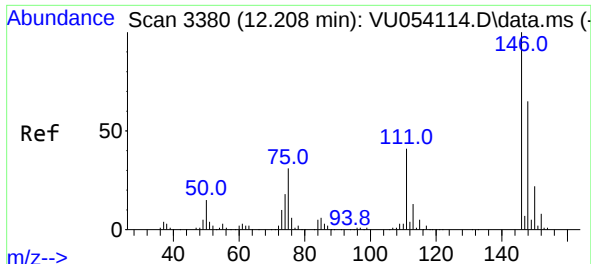
Tgt Ion:146 Resp: 188191
Ion Ratio Lower Upper
146 100
111 41.0 27.9 51.7
148 64.3 43.8 81.4



#65
1,4-Dichlorobenzene
Concen: 49.249 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU054114.D
Acq: 09 May 2023 09:36

Tgt Ion:146 Resp: 192186
Ion Ratio Lower Upper
146 100
111 39.0 27.9 51.7
148 63.5 44.9 83.3





#67

1,2-Dichlorobenzene

Concen: 49.408 ug/L

RT: 12.208 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU054114.D

Acq: 09 May 2023 09:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD050096

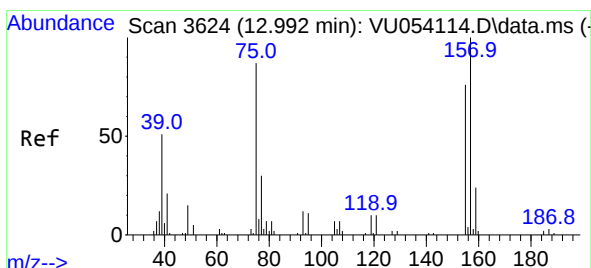
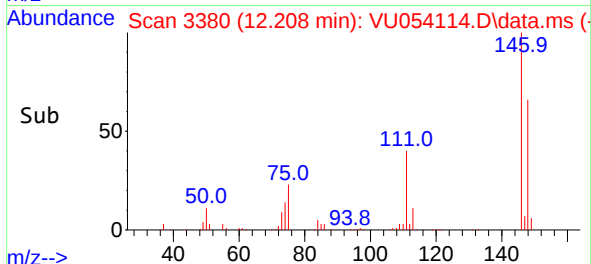
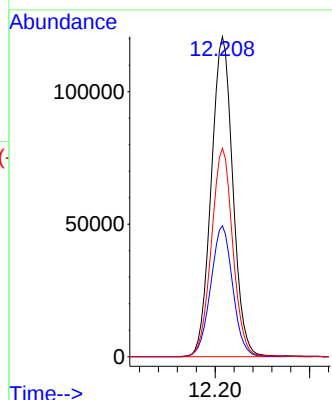
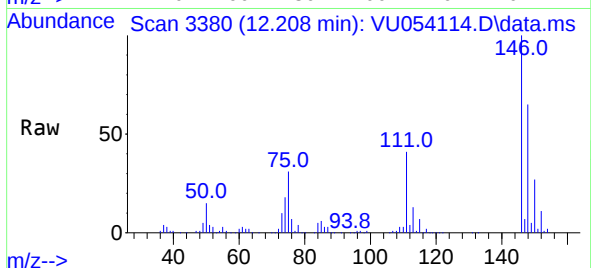
Tgt Ion:146 Resp: 191064

Ion Ratio Lower Upper

146 100

111 40.9 33.4 50.0

148 65.1 50.8 76.2



#68

1,2-Dibromo-3-chloropropane

Concen: 47.861 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. -0.000 min

Lab File: VU054114.D

Acq: 09 May 2023 09:36

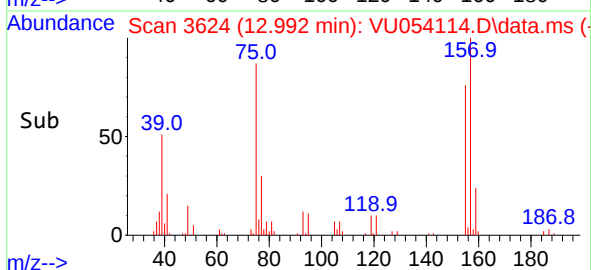
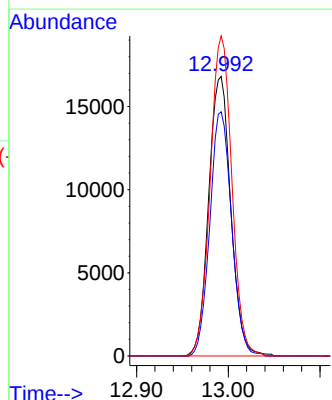
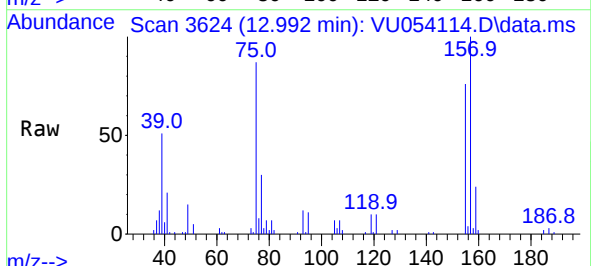
Tgt Ion: 75 Resp: 28149

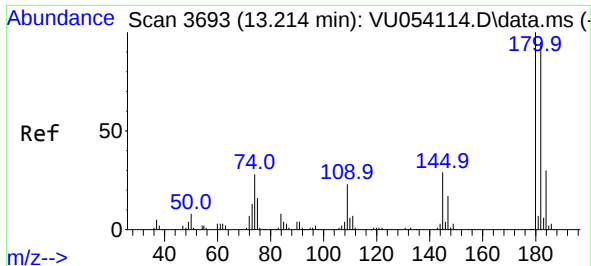
Ion Ratio Lower Upper

75 100

155 87.4 67.8 101.6

157 114.5 88.3 132.5





#69

1,3,5-Trichlorobenzene

Concen: 48.476 ug/L

RT: 13.214 min Scan# 3693

Delta R.T. -0.000 min

Lab File: VU054114.D

Acq: 09 May 2023 09:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD050096

Tgt Ion:180 Resp: 134596

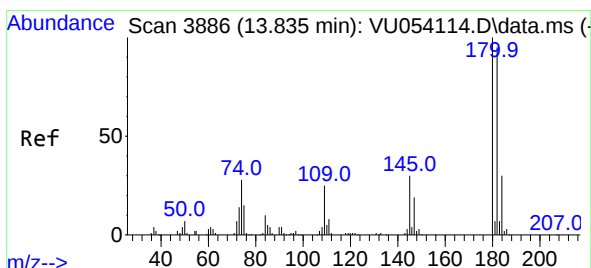
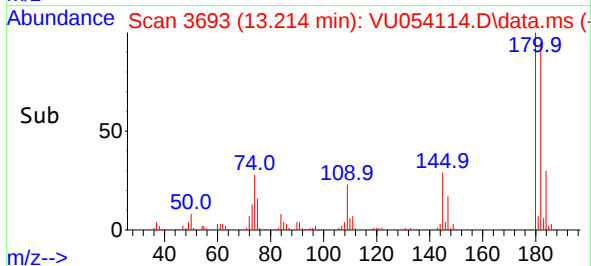
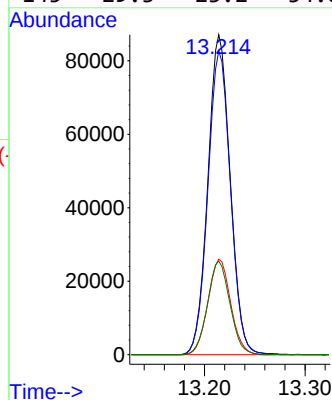
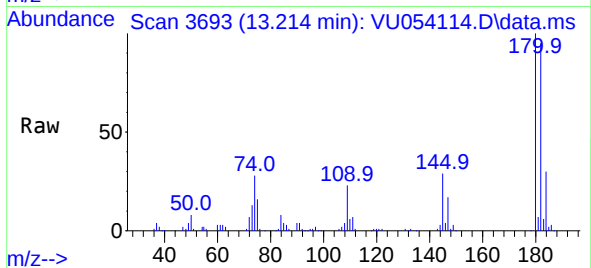
Ion Ratio Lower Upper

180 100

182 95.8 76.0 114.0

184 30.4 24.2 36.2

145 29.3 23.2 34.8



#70

1,2,4-trichlorobenzene

Concen: 46.782 ug/L

RT: 13.835 min Scan# 3886

Delta R.T. -0.000 min

Lab File: VU054114.D

Acq: 09 May 2023 09:36

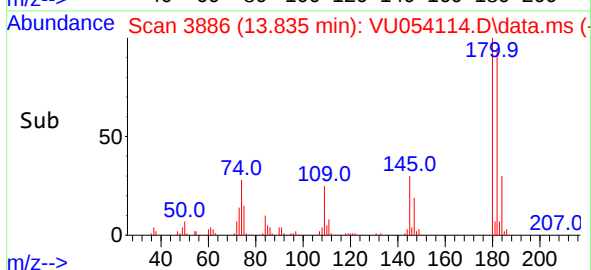
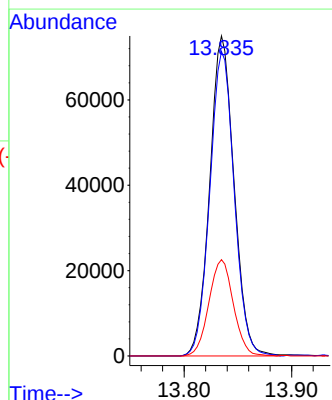
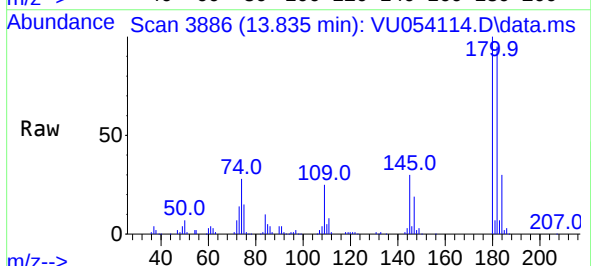
Tgt Ion:180 Resp: 117757

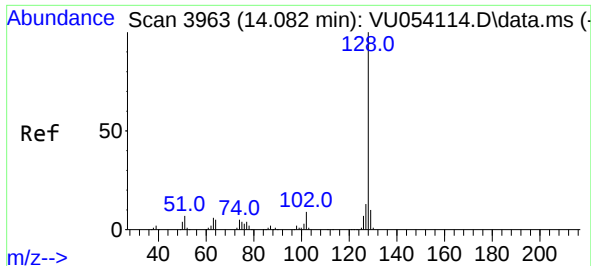
Ion Ratio Lower Upper

180 100

182 95.2 77.4 116.2

145 30.3 23.8 35.8



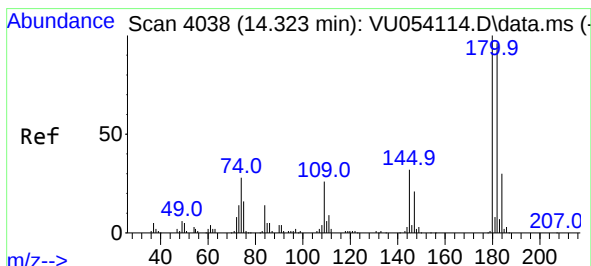
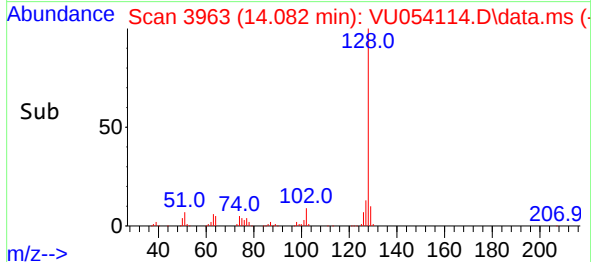
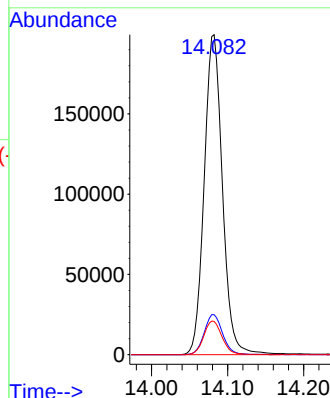
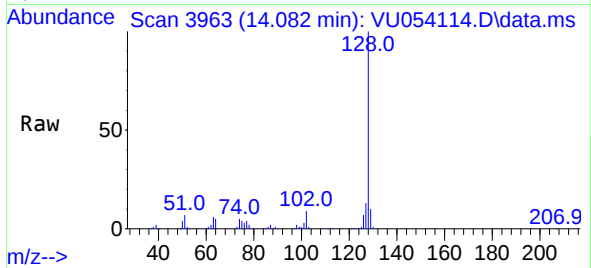


#71
Naphthalene
Concen: 45.553 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. -0.000 min
Lab File: VU054114.D
Acq: 09 May 2023 09:36

Instrument :
MSVOA_U
ClientSampleId :
VSTD050096

Tgt Ion:128 Resp: 332589

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.0	15.0
129	10.5	8.4	12.6



#72
1,2,3-Trichlorobenzene
Concen: 47.632 ug/L
RT: 14.323 min Scan# 4038
Delta R.T. -0.000 min
Lab File: VU054114.D
Acq: 09 May 2023 09:36

Tgt Ion:180 Resp: 119269

Ion	Ratio	Lower	Upper
180	100		
182	96.4	76.6	114.8
145	31.2	24.9	37.3

