

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW051923\
 Data File : VW031098.D
 Acq On : 19 May 2023 10:41
 Operator : SY/MD
 Sample : VSTD10024
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD100224

Quant Time: May 19 23:55:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM051923WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 19 23:53:31 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	275272	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	271874	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	167914	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	249815	120.306	ug/L	0.00
7) Chloroethane-d5	1.532	69	191669	111.618	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.063	65	116056	117.652	ug/L	0.00
21) 2-Butanone-d5	3.789	46	288532	253.430	ug/L	0.00
24) Chloroform-d	4.256	84	440218	117.805	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.947	65	304942	124.903	ug/L	0.00
32) Benzene-d6	4.966	84	806894	122.425	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.995	67	231806	113.900	ug/L	0.00
41) Toluene-d8	7.249	98	780905	125.959	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.555	79	129449	126.633	ug/L	0.00
47) 2-Hexanone-d5	8.030	63	203976	253.437	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.159	84	354943	119.816	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.567	152	322916	118.852	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	183868	81.413	ug/L	98
3) Chloromethane	1.217	50	198618	68.563	ug/L	98
5) Vinyl chloride	1.285	62	185550	78.481	ug/L	99
6) Bromomethane	1.484	94	107400	109.536	ug/L	96
8) Chloroethane	1.548	64	115429	72.029	ug/L	98
9) Trichlorofluoromethane	1.716	101	352735	89.688	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	191172	92.057	ug/L	99
12) 1,1-Dichloroethene	2.072	96	159341	86.557	ug/L	87
13) Acetone	2.117	43	293438	171.897	ug/L	99
14) Carbon disulfide	2.246	76	294948	59.927	ug/L	98
15) Methyl Acetate	2.375	43	205706	93.138	ug/L	99
16) Methylene chloride	2.452	84	175716	83.512	ug/L	98
17) trans-1,2-Dichloroethene	2.699	96	154687	83.884	ug/L	99
18) Methyl tert-butyl Ether	2.709	73	625211	103.013	ug/L	99
19) 1,1-Dichloroethane	3.117	63	340036	88.849	ug/L	98
20) cis-1,2-Dichloroethene	3.822	96	192411	94.051	ug/L	94
22) 2-Butanone	3.873	43	336630	193.120	ug/L	99
23) Bromochloromethane	4.156	128	97615	85.745	ug/L	98
25) Chloroform	4.285	83	380737	95.371	ug/L	95
27) 1,2-Dichloroethane	5.047	62	339378	99.842	ug/L	99
29) Cyclohexane	4.590	56	241646	79.666	ug/L	98
30) 1,1,1-Trichloroethane	4.519	97	347906	93.234	ug/L	99
31) Carbon tetrachloride	4.744	117	309170	92.874	ug/L	99
33) Benzene	5.018	78	715676	90.419	ug/L	100
34) Trichloroethene	5.838	95	181786	88.121	ug/L	99
35) Methylcyclohexane	6.059	83	262450	83.126	ug/L	99
37) 1,2-Dichloropropane	6.098	63	197806	92.495	ug/L	99
38) Bromodichloromethane	6.439	83	292519	95.586	ug/L	98
39) cis-1,3-Dichloropropene	6.960	75	320552	99.651	ug/L	100
40) 4-Methyl-2-pentanone	7.162	43	642419	211.854	ug/L	99
42) Toluene	7.320	91	807958	95.452	ug/L	100
44) trans-1,3-Dichloropropene	7.587	75	325941	102.290	ug/L	100

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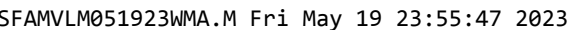
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 ClientSampleId :
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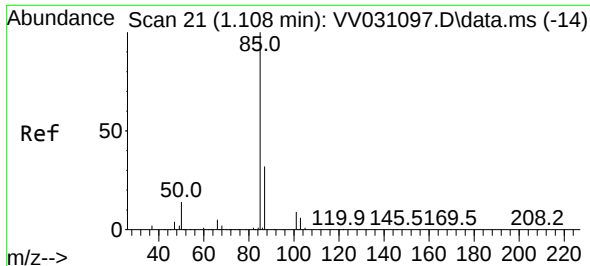
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 Quant Title : VOC Analysis
 QLast Update : Fri May 19 23:53:31 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.773	97	209055	95.945	ug/L	98
46) Tetrachloroethene	7.911	164	160248	89.055	ug/L	96
48) 2-Hexanone	8.082	43	507236	201.235	ug/L	98
49) Dibromochloromethane	8.182	129	236728	98.392	ug/L	97
50) 1,2-Dibromoethane	8.288	107	210929	94.495	ug/L	100
51) Chlorobenzene	8.818	112	536707	94.399	ug/L	98
52) Ethylbenzene	8.953	91	934429	99.281	ug/L	100
53) m,p-Xylene	9.079	106	359975	101.070	ug/L	97
54) o-Xylene	9.484	106	352976	100.852	ug/L	98
55) Styrene	9.500	104	645204	105.237	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.185	83	347849	97.247	ug/L	99
59) Bromoform	9.670	173	199619	96.891	ug/L	99
60) Isopropylbenzene	9.873	105	1000059	98.828	ug/L	99
61) 1,2,3-Trichloropropane	10.214	75	271126	92.258	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	837168	100.797	ug/L	98
63) 1,2,4-Trimethylbenzene	10.857	105	828607	100.274	ug/L	98
64) 1,3-Dichlorobenzene	11.124	146	498689	97.720	ug/L	99
65) 1,4-Dichlorobenzene	11.214	146	510086	94.929	ug/L	98
67) 1,2-Dichlorobenzene	11.587	146	501874	97.136	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.371	75	84076	96.854	ug/L	94
69) 1,3,5-Trichlorobenzene	12.590	180	373141	96.986	ug/L	99
70) 1,2,4-trichlorobenzene	13.204	180	334174	101.706	ug/L	99
71) Naphthalene	13.445	128	944355	106.349	ug/L	100
72) 1,2,3-Trichlorobenzene	13.686	180	338583	103.941	ug/L	99

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

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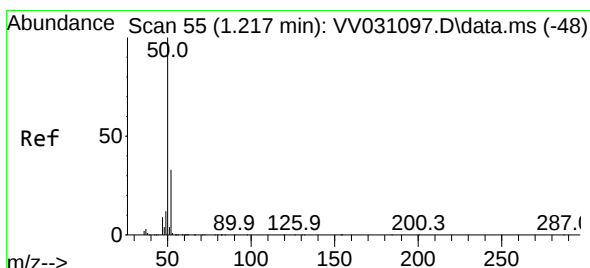
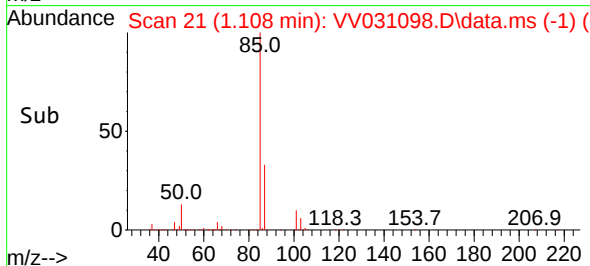
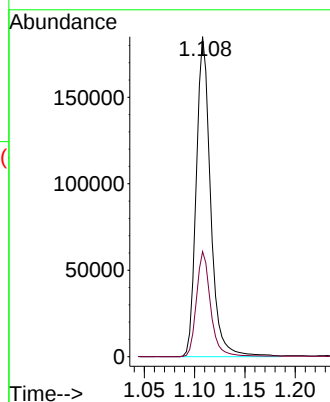
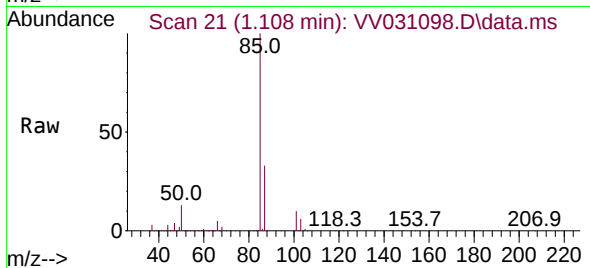




#2
 Dichlorodifluoromethane
 Concen: 81.413 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV031098.D
 Acq: 19 May 2023 10:41

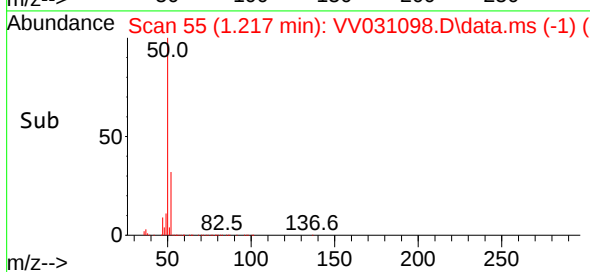
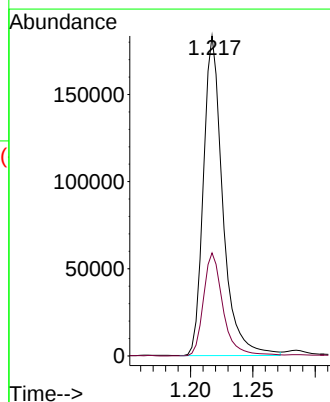
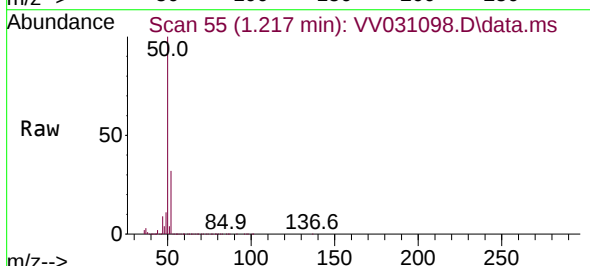
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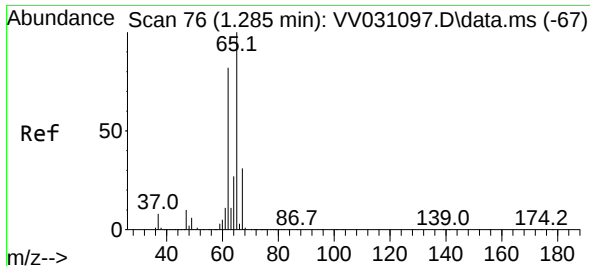
Tgt Ion: 85 Resp: 183868
 Ion Ratio Lower Upper
 85 100
 87 32.5 25.2 37.8



#3
 Chloromethane
 Concen: 68.563 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV031098.D
 Acq: 19 May 2023 10:41

Tgt Ion: 50 Resp: 198618
 Ion Ratio Lower Upper
 50 100
 52 32.2 23.3 43.3

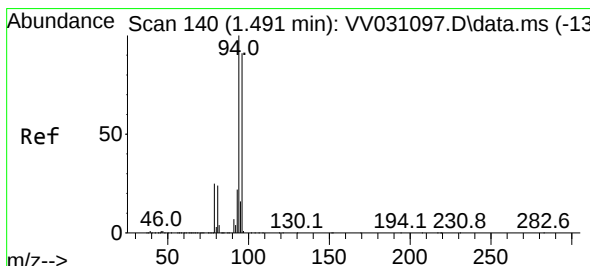
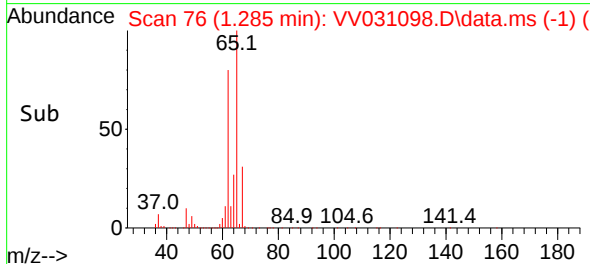
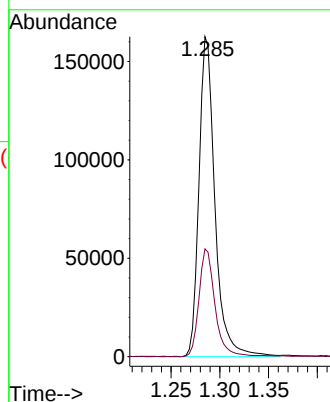
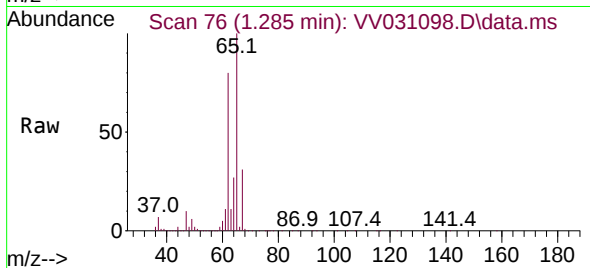




#5
 Vinyl chloride
 Concen: 78.481 ug/L
 RT: 1.285 min Scan# 70
 Delta R.T. -0.000 min
 Lab File: VV031098.D
 Acq: 19 May 2023 10:41

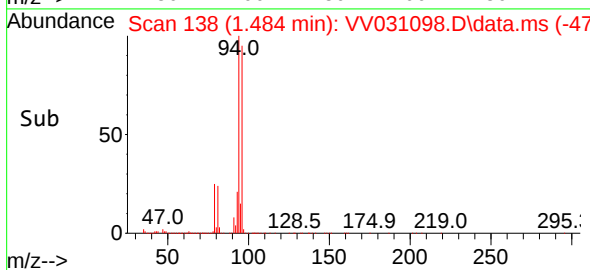
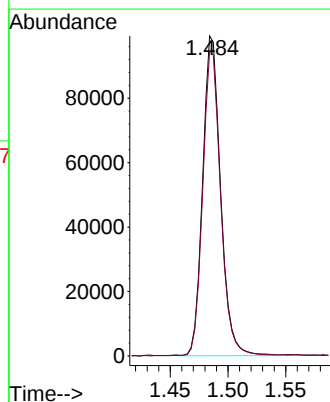
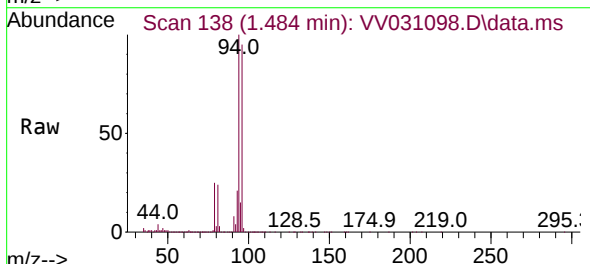
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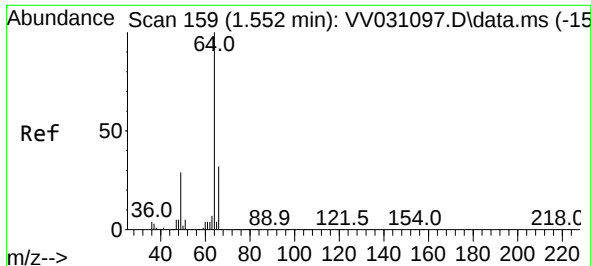
Tgt Ion: 62 Resp: 185550
 Ion Ratio Lower Upper
 62 100
 64 33.7 23.1 42.9



#6
 Bromomethane
 Concen: 109.536 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. -0.007 min
 Lab File: VV031098.D
 Acq: 19 May 2023 10:41

Tgt Ion: 94 Resp: 107400
 Ion Ratio Lower Upper
 94 100
 96 95.4 63.9 118.7

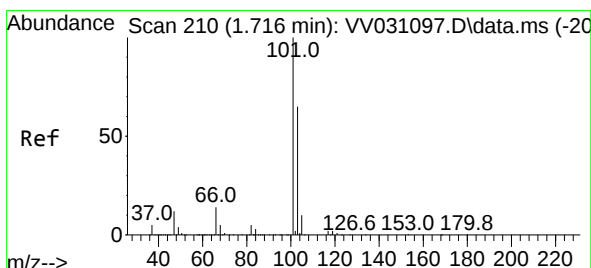
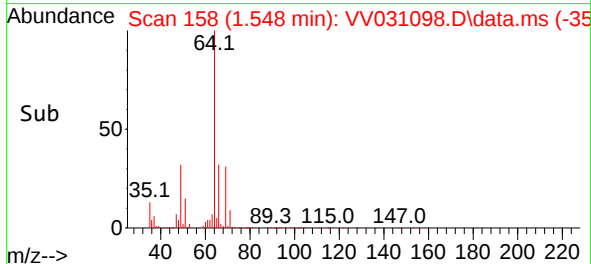
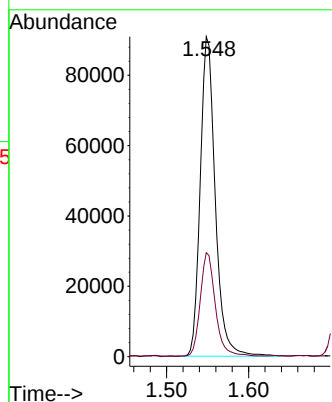
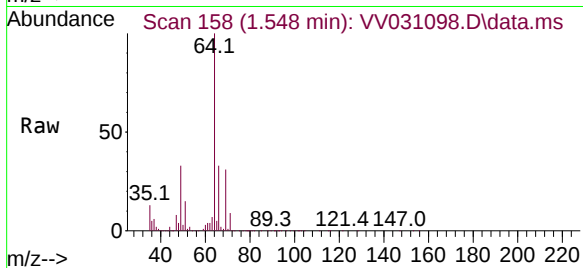




#8
Chloroethane
Concen: 72.029 ug/L
RT: 1.548 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV031098.D
Acq: 19 May 2023 10:41

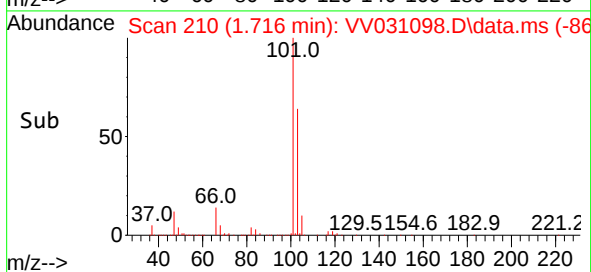
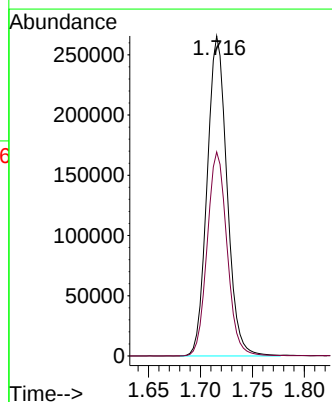
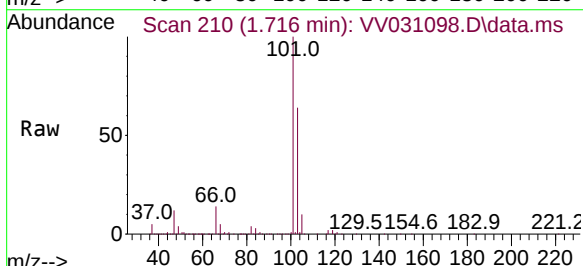
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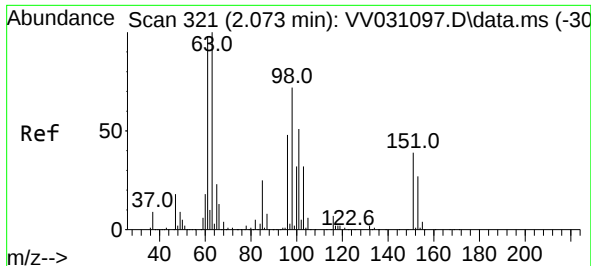
Tgt Ion: 64 Resp: 115429
Ion Ratio Lower Upper
64 100
66 32.5 22.1 41.1



#9
Trichlorofluoromethane
Concen: 89.688 ug/L
RT: 1.716 min Scan# 210
Delta R.T. -0.000 min
Lab File: VV031098.D
Acq: 19 May 2023 10:41

Tgt Ion: 101 Resp: 352735
Ion Ratio Lower Upper
101 100
103 63.6 51.4 77.2

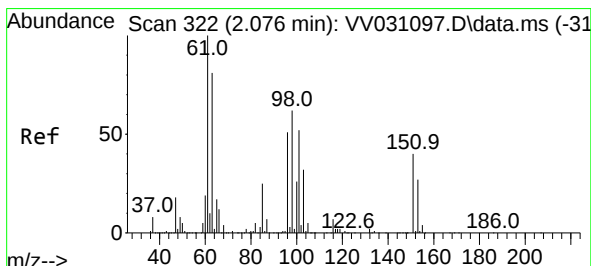
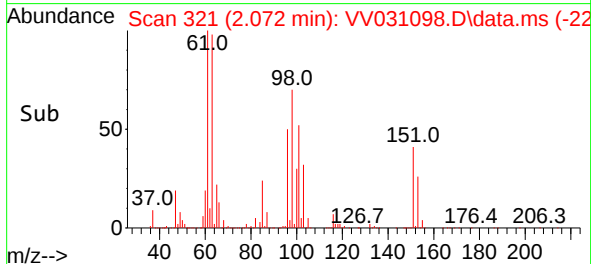
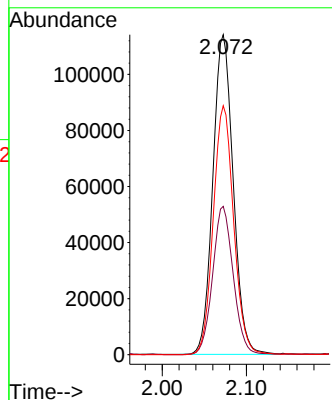
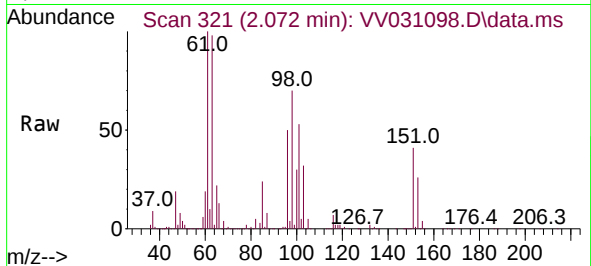




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 92.057 ug/L
 RT: 2.072 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VV031098.D
 Acq: 19 May 2023 10:41

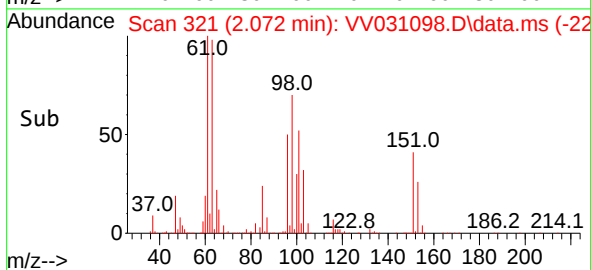
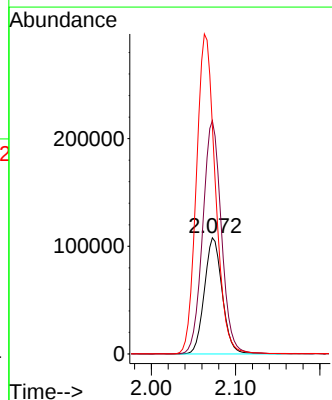
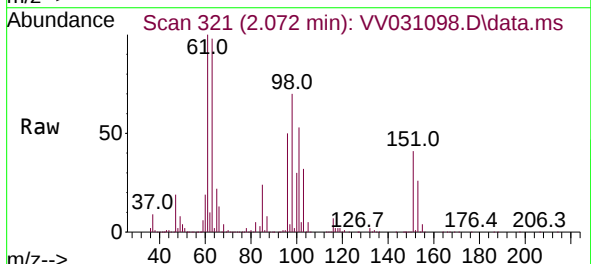
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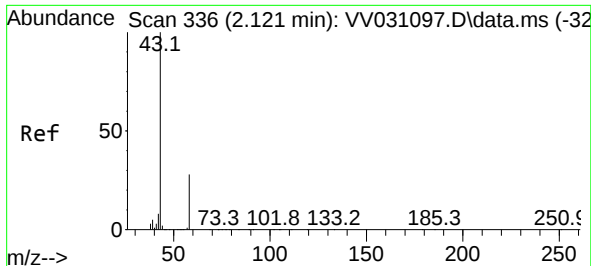
Tgt Ion:101 Resp: 191172
 Ion Ratio Lower Upper
 101 100
 85 47.0 38.0 57.0
 151 78.3 61.7 92.5



#12
 1,1-Dichloroethene
 Concen: 86.557 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. -0.003 min
 Lab File: VV031098.D
 Acq: 19 May 2023 10:41

Tgt Ion: 96 Resp: 159341
 Ion Ratio Lower Upper
 96 100
 61 200.9 137.9 256.1
 63 196.5 114.2 212.0

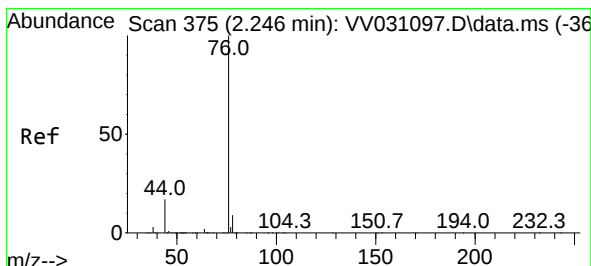
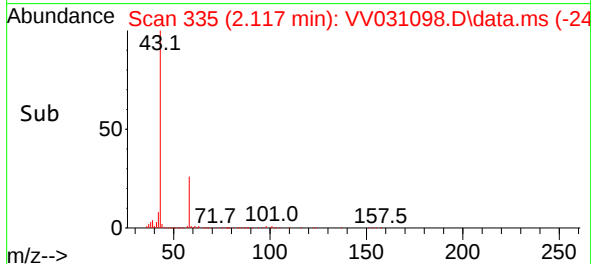
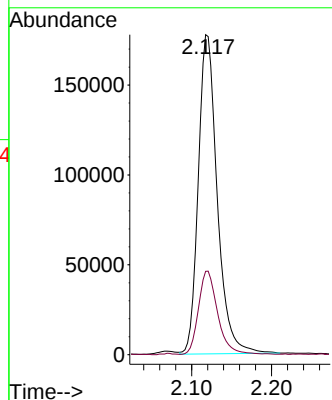
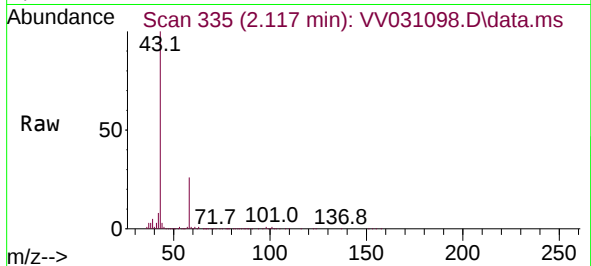




#13
Acetone
Concen: 171.897 ug/L
RT: 2.117 min Scan# 311
Delta R.T. -0.003 min
Lab File: VV031098.D
Acq: 19 May 2023 10:41

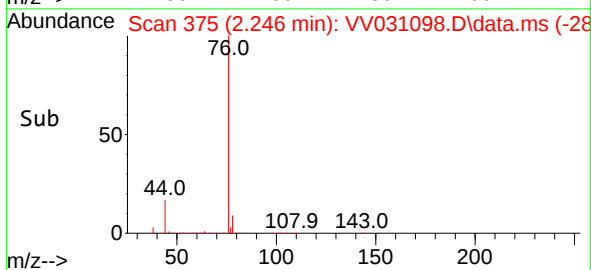
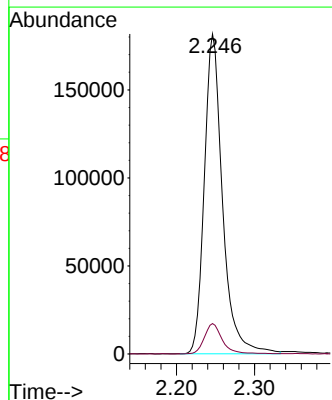
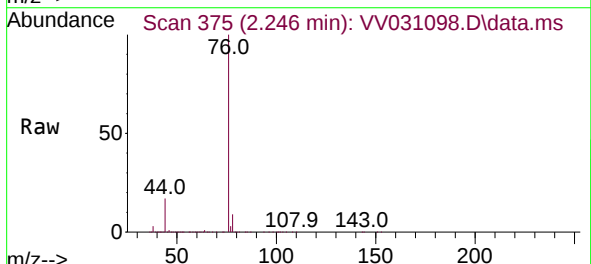
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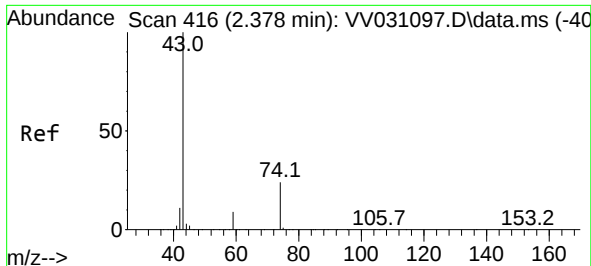
Tgt Ion: 43 Resp: 293438
Ion Ratio Lower Upper
43 100
58 26.7 0.0 54.0



#14
Carbon disulfide
Concen: 59.927 ug/L
RT: 2.246 min Scan# 375
Delta R.T. -0.000 min
Lab File: VV031098.D
Acq: 19 May 2023 10:41

Tgt Ion: 76 Resp: 294948
Ion Ratio Lower Upper
76 100
78 9.5 7.0 10.4

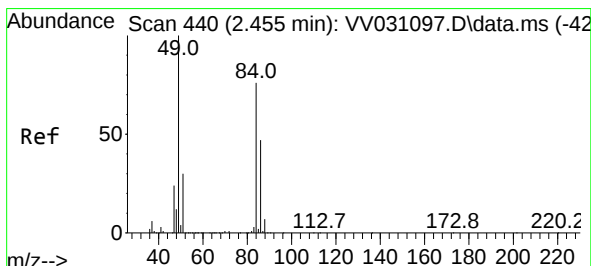
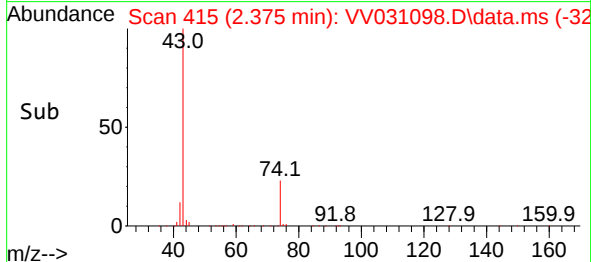
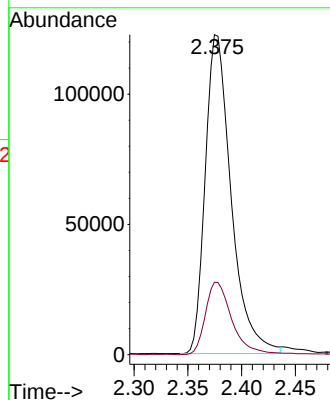
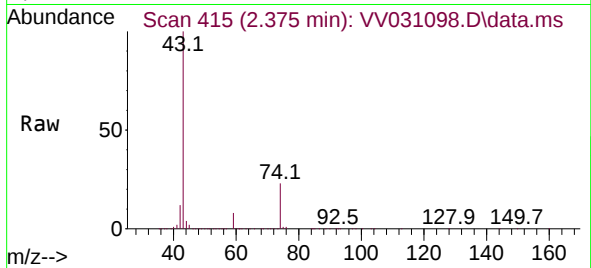




#15
Methyl Acetate
Concen: 93.138 ug/L
RT: 2.375 min Scan# 416
Delta R.T. -0.003 min
Lab File: VV031098.D
Acq: 19 May 2023 10:41

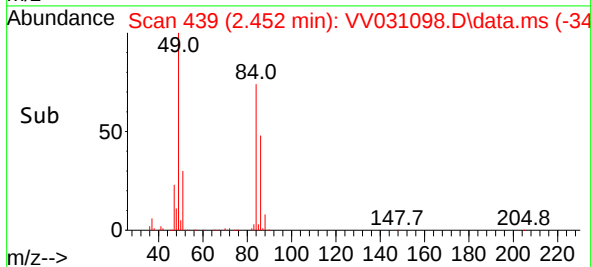
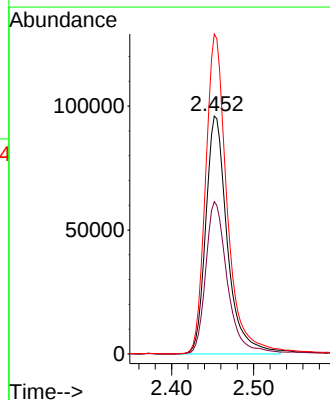
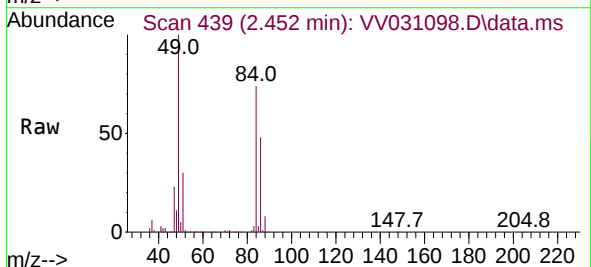
Instrument :
MSVOA_V
ClientSampleId :
VSTD100224

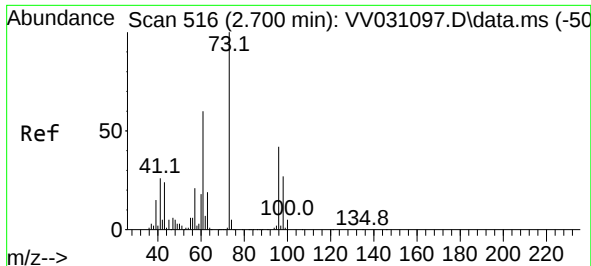
Tgt Ion: 43 Resp: 205706
Ion Ratio Lower Upper
43 100
74 23.2 18.1 27.1



#16
Methylene chloride
Concen: 83.512 ug/L
RT: 2.452 min Scan# 439
Delta R.T. -0.003 min
Lab File: VV031098.D
Acq: 19 May 2023 10:41

Tgt Ion: 84 Resp: 175716
Ion Ratio Lower Upper
84 100
86 64.1 43.3 80.3
49 134.5 92.6 172.0





#17

trans-1,2-Dichloroethene

Concen: 83.884 ug/L

RT: 2.699 min Scan# 516

Delta R.T. -0.000 min

Lab File: VV031098.D

Acq: 19 May 2023 10:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD100224

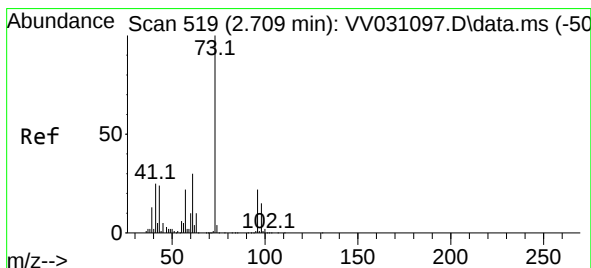
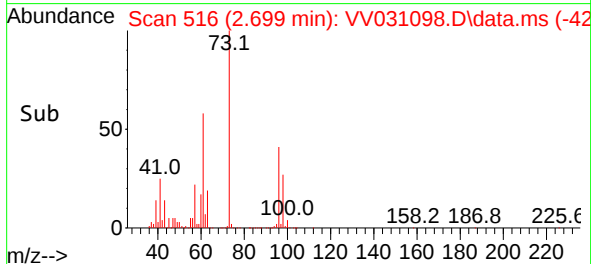
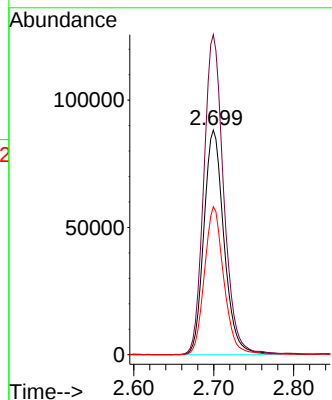
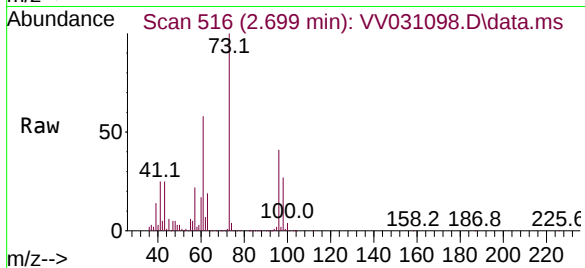
Tgt Ion: 96 Resp: 154687

Ion Ratio Lower Upper

96 100

61 142.4 100.0 185.6

98 65.8 45.4 84.2



#18

Methyl tert-butyl Ether

Concen: 103.013 ug/L

RT: 2.709 min Scan# 519

Delta R.T. -0.000 min

Lab File: VV031098.D

Acq: 19 May 2023 10:41

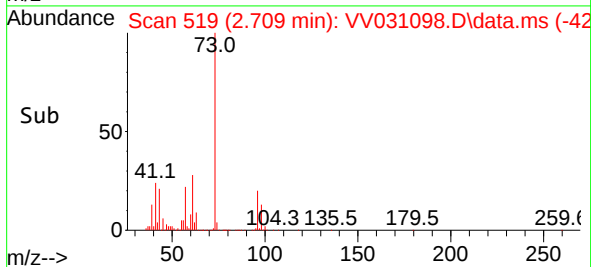
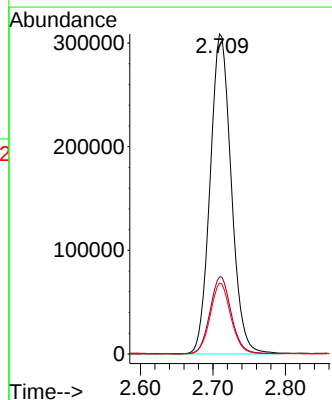
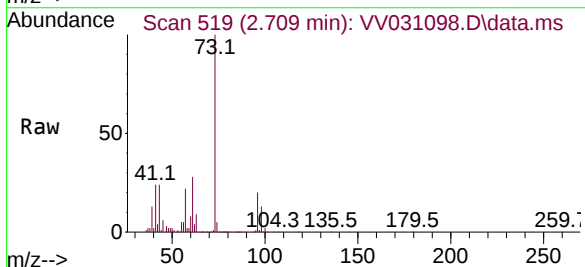
Tgt Ion: 73 Resp: 625211

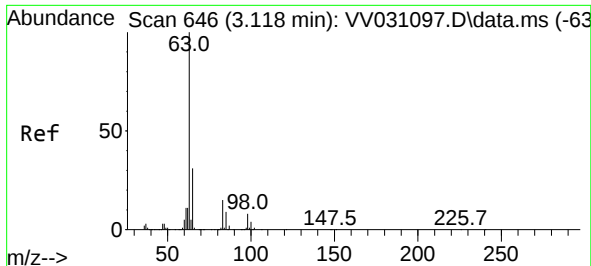
Ion Ratio Lower Upper

73 100

43 23.9 19.4 29.2

57 21.6 17.1 25.7





#19

1,1-Dichloroethane

Concen: 88.849 ug/L

RT: 3.117 min Scan# 64

Delta R.T. -0.000 min

Lab File: VV031098.D

Acq: 19 May 2023 10:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD100224

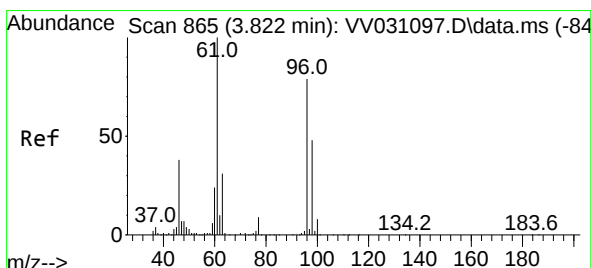
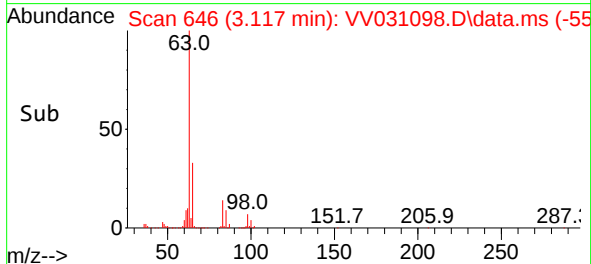
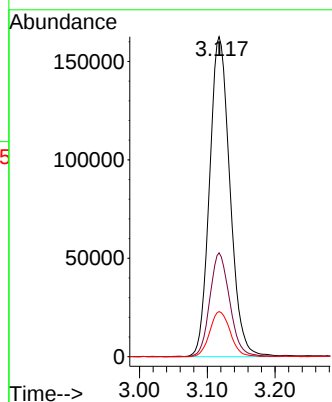
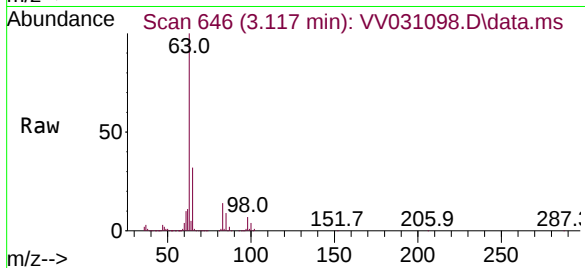
Tgt Ion: 63 Resp: 340036

Ion Ratio Lower Upper

63 100

65 32.5 21.9 40.7

83 14.1 10.4 19.2



#20

cis-1,2-Dichloroethene

Concen: 94.051 ug/L

RT: 3.822 min Scan# 865

Delta R.T. -0.000 min

Lab File: VV031098.D

Acq: 19 May 2023 10:41

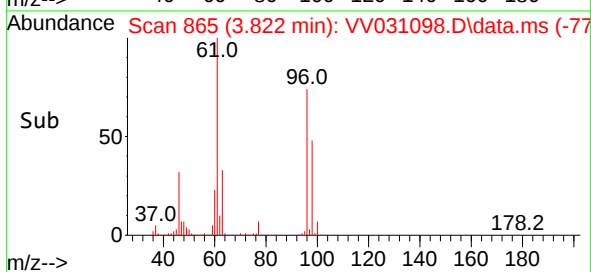
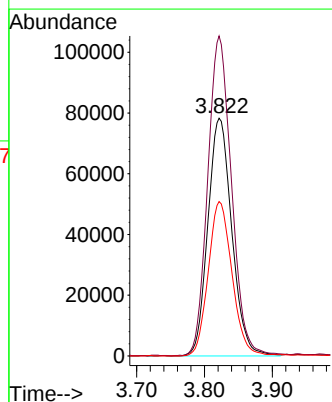
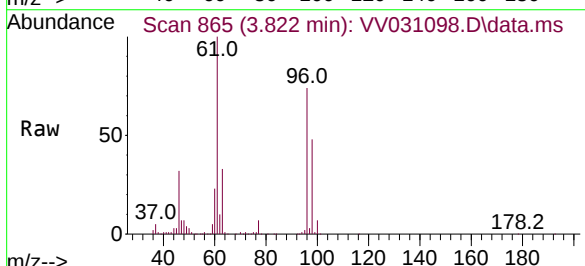
Tgt Ion: 96 Resp: 192411

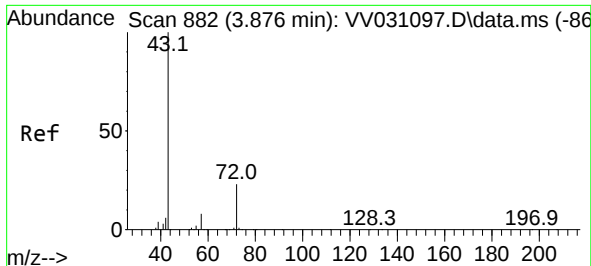
Ion Ratio Lower Upper

96 100

61 134.6 89.2 165.6

98 64.9 43.0 80.0

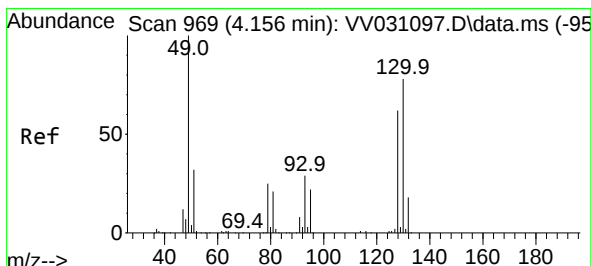
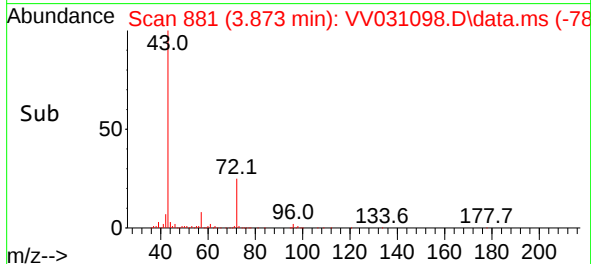
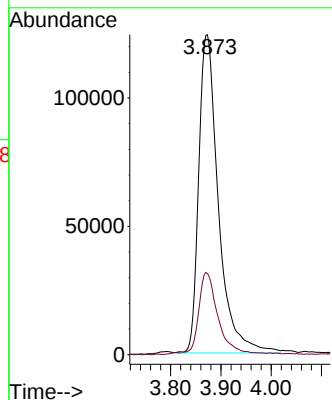
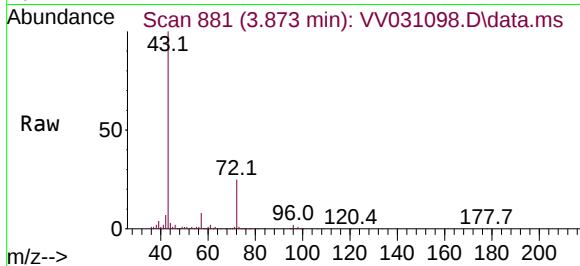




#22
2-Butanone
Concen: 193.120 ug/L
RT: 3.873 min Scan# 881
Delta R.T. -0.003 min
Lab File: VV031098.D
Acq: 19 May 2023 10:41

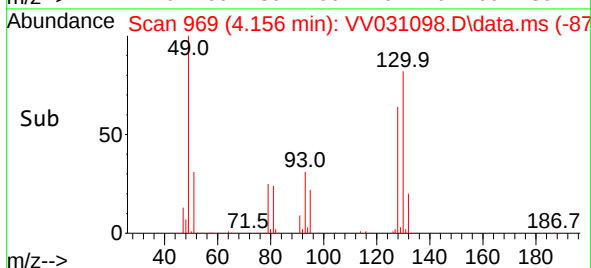
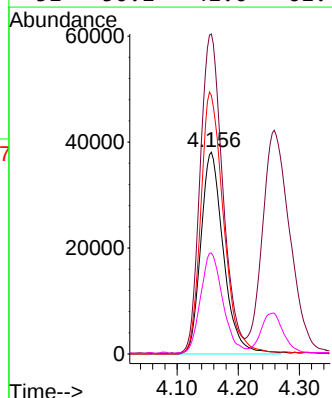
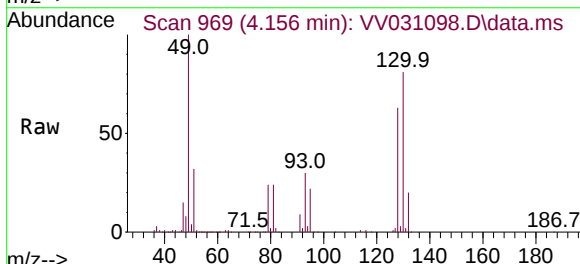
Instrument :
MSVOA_V
ClientSampleId :
VSTD100224

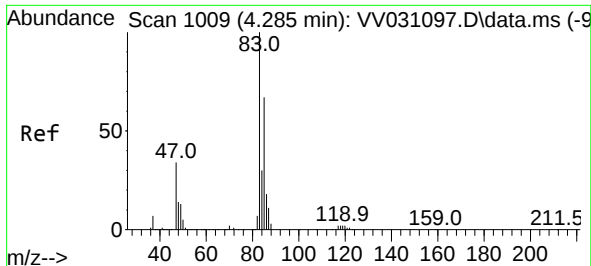
Tgt Ion: 43 Resp: 336630
Ion Ratio Lower Upper
43 100
72 24.5 11.9 35.7



#23
Bromochloromethane
Concen: 85.745 ug/L
RT: 4.156 min Scan# 969
Delta R.T. -0.000 min
Lab File: VV031098.D
Acq: 19 May 2023 10:41

Tgt Ion:128 Resp: 97615
Ion Ratio Lower Upper
128 100
49 158.6 113.2 210.2
130 128.1 87.5 162.5
51 50.1 41.0 61.4

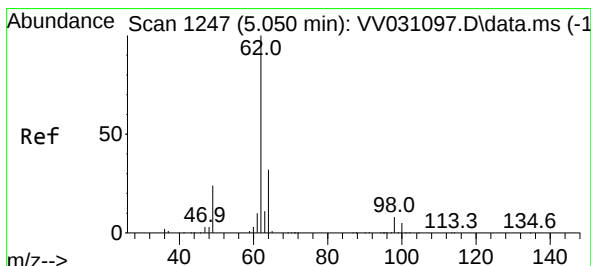
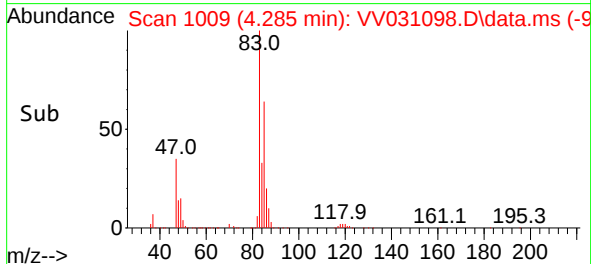
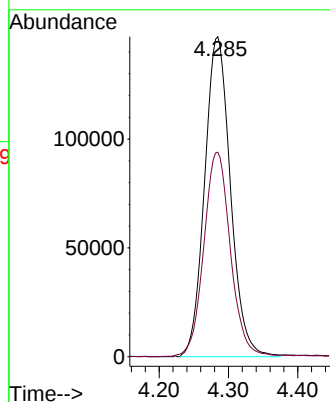
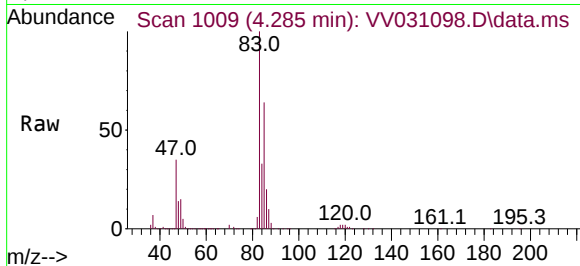




#25
Chloroform
Concen: 95.371 ug/L
RT: 4.285 min Scan# 1009
Delta R.T. -0.000 min
Lab File: VV031098.D
Acq: 19 May 2023 10:41

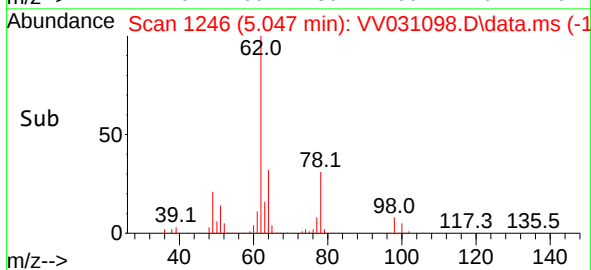
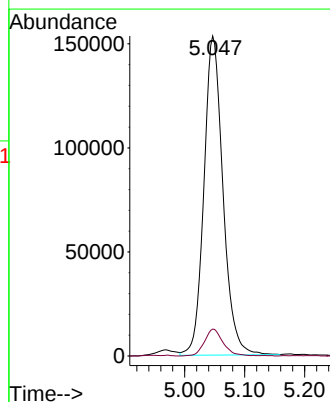
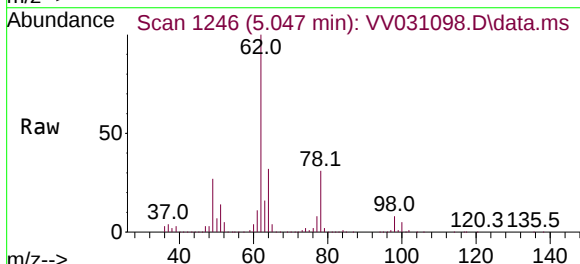
Instrument :
MSVOA_V
ClientSampleId :
VSTD100224

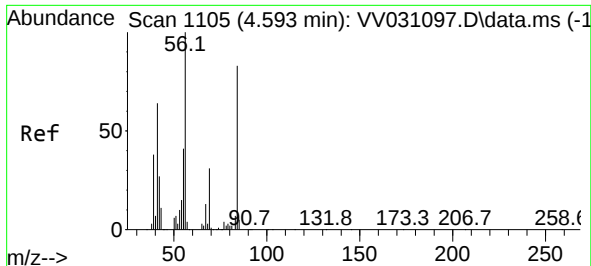
Tgt Ion: 83 Resp: 380737
Ion Ratio Lower Upper
83 100
85 63.9 47.3 87.9



#27
1,2-Dichloroethane
Concen: 99.842 ug/L
RT: 5.047 min Scan# 1246
Delta R.T. -0.003 min
Lab File: VV031098.D
Acq: 19 May 2023 10:41

Tgt Ion: 62 Resp: 339378
Ion Ratio Lower Upper
62 100
98 8.4 6.3 9.5





#29

Cyclohexane

Concen: 79.666 ug/L

RT: 4.590 min Scan# 1105

Delta R.T. -0.003 min

Lab File: VV031098.D

Acq: 19 May 2023 10:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD100224

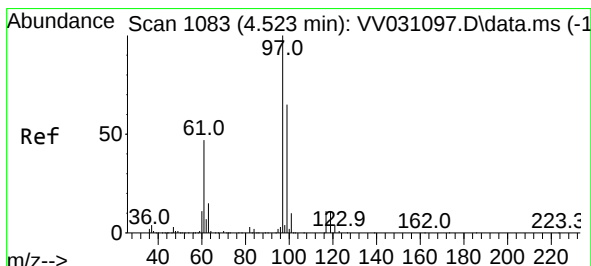
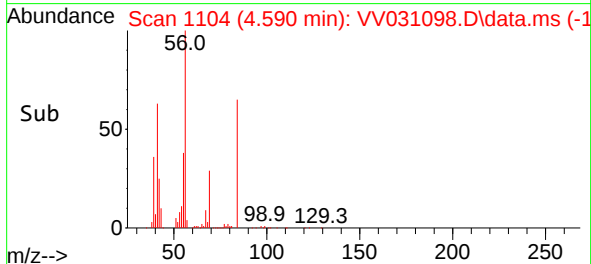
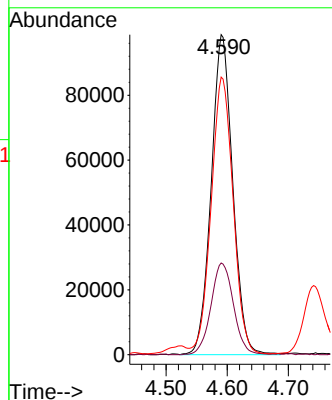
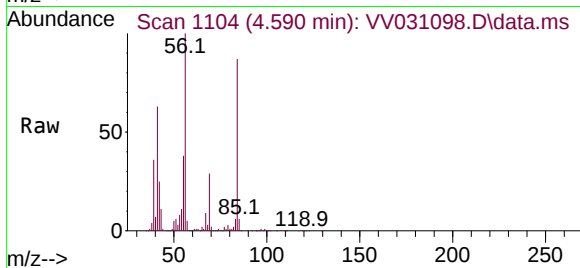
Tgt Ion: 56 Resp: 241646

Ion Ratio Lower Upper

56 100

69 29.9 25.1 37.7

84 88.2 71.5 107.3



#30

1,1,1-Trichloroethane

Concen: 93.234 ug/L

RT: 4.519 min Scan# 1082

Delta R.T. -0.003 min

Lab File: VV031098.D

Acq: 19 May 2023 10:41

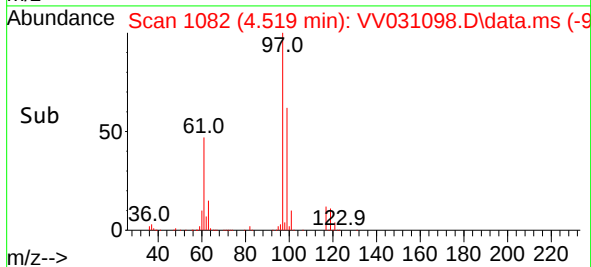
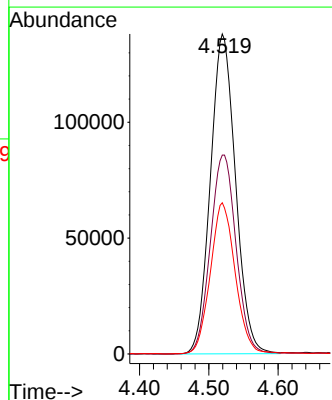
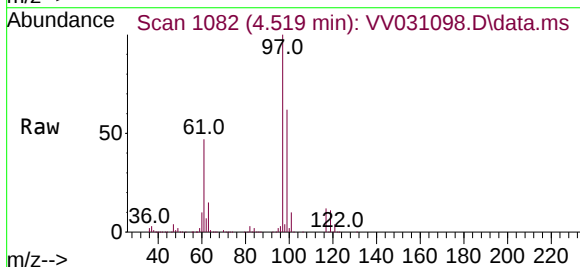
Tgt Ion: 97 Resp: 347906

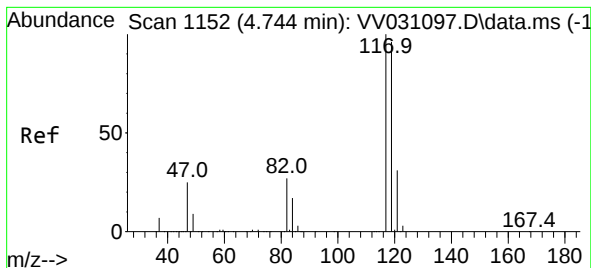
Ion Ratio Lower Upper

97 100

99 63.9 51.9 77.9

61 47.0 38.2 57.2





#31

Carbon tetrachloride

Concen: 92.874 ug/L

RT: 4.744 min Scan# 1152

Delta R.T. -0.000 min

Lab File: VV031098.D

Acq: 19 May 2023 10:41

Instrument :

MSVOA_V

ClientSampleId :

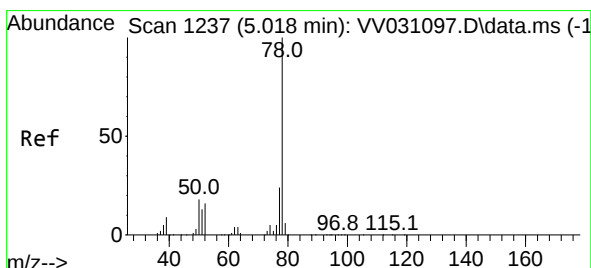
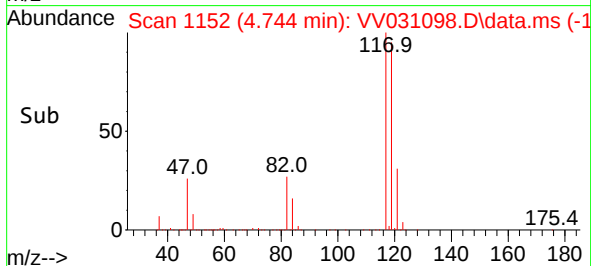
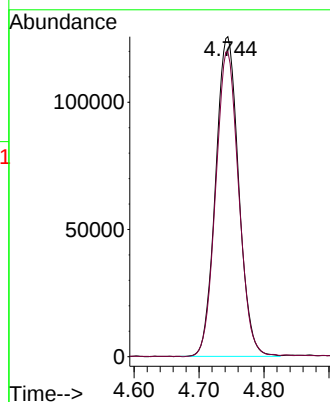
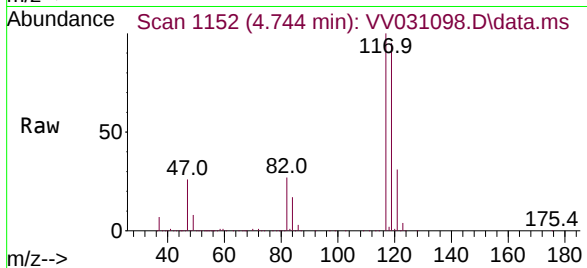
VSTD100224

Tgt Ion:117 Resp: 309170

Ion Ratio Lower Upper

117 100

119 95.2 76.9 115.3



#33

Benzene

Concen: 90.419 ug/L

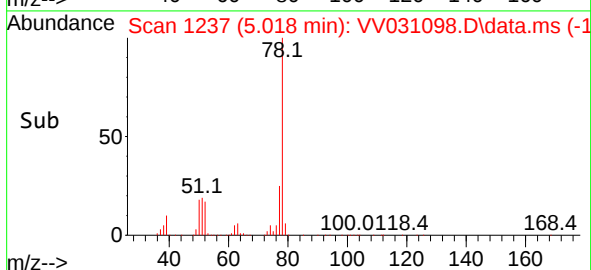
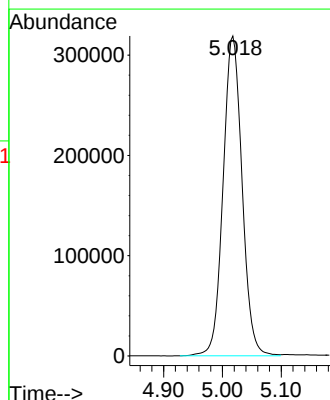
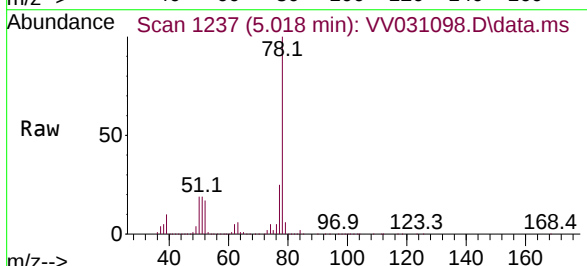
RT: 5.018 min Scan# 1237

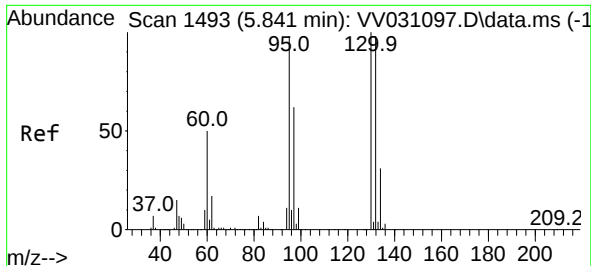
Delta R.T. -0.000 min

Lab File: VV031098.D

Acq: 19 May 2023 10:41

Tgt Ion: 78 Resp: 715676



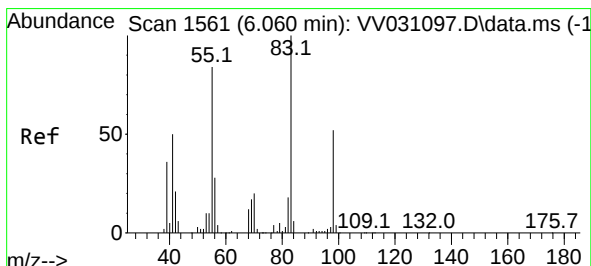
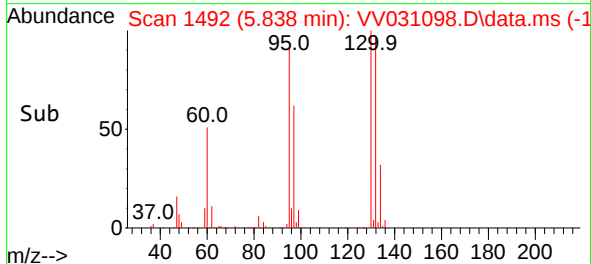
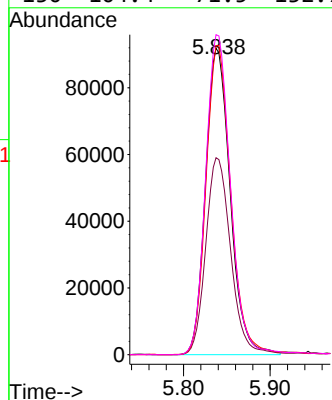
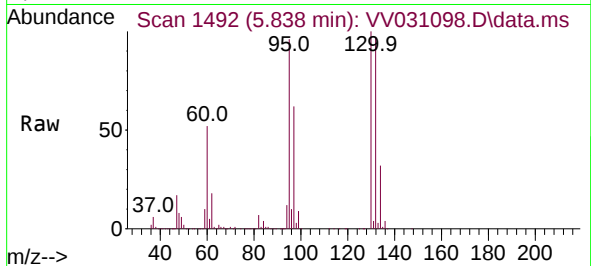


#34
 Trichloroethene
 Concen: 88.121 ug/L
 RT: 5.838 min Scan# 1492
 Delta R.T. -0.003 min
 Lab File: VV031098.D
 Acq: 19 May 2023 10:41

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD100224

Tgt Ion: 95 Resp: 181786

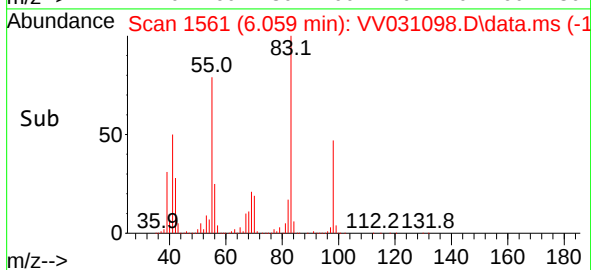
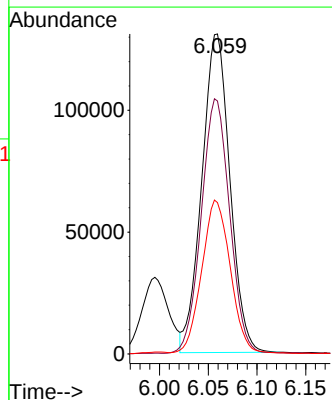
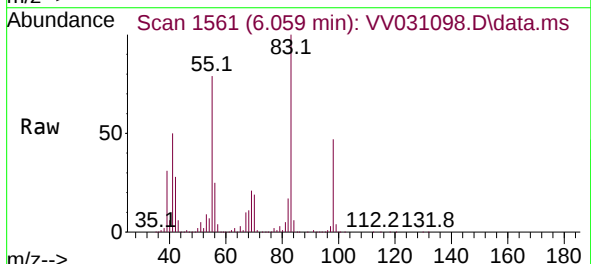
Ion	Ratio	Lower	Upper
95	100		
97	64.3	44.4	82.5
132	100.8	70.2	130.4
130	104.4	71.5	132.7

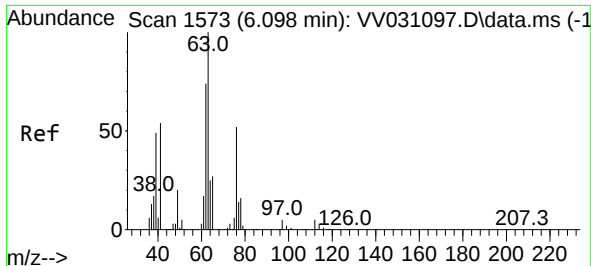


#35
 Methylcyclohexane
 Concen: 83.126 ug/L
 RT: 6.059 min Scan# 1561
 Delta R.T. -0.000 min
 Lab File: VV031098.D
 Acq: 19 May 2023 10:41

Tgt Ion: 83 Resp: 262450

Ion	Ratio	Lower	Upper
83	100		
55	80.8	64.2	96.2
98	49.5	40.0	60.0





#37

1,2-Dichloropropane

Concen: 92.495 ug/L

RT: 6.098 min Scan# 11

Delta R.T. -0.000 min

Lab File: VV031098.D

Acq: 19 May 2023 10:41

Instrument :

MSVOA_V

ClientSampleId :

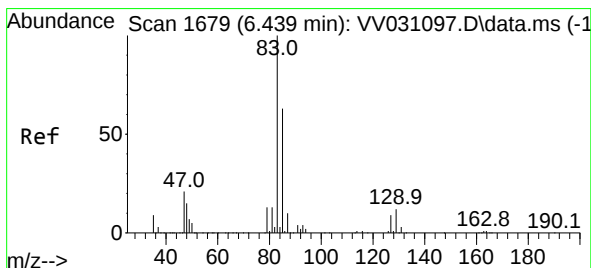
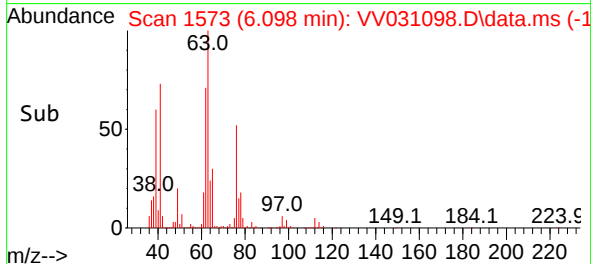
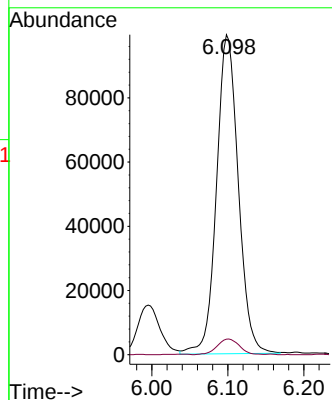
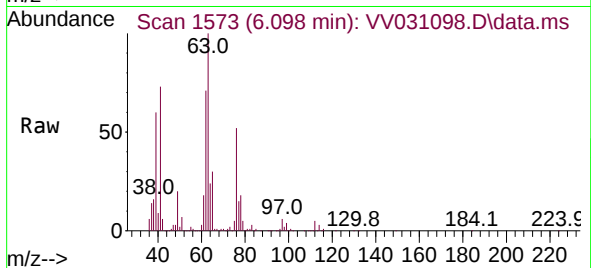
VSTD100224

Tgt Ion: 63 Resp: 197806

Ion Ratio Lower Upper

63 100

112 5.1 4.3 6.5



#38

Bromodichloromethane

Concen: 95.586 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. -0.000 min

Lab File: VV031098.D

Acq: 19 May 2023 10:41

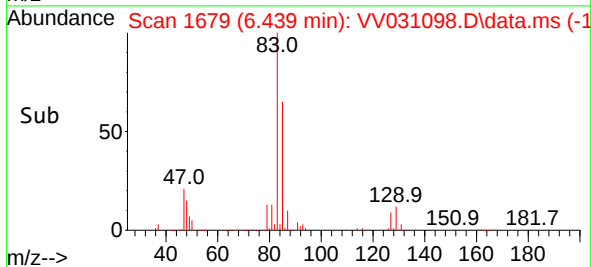
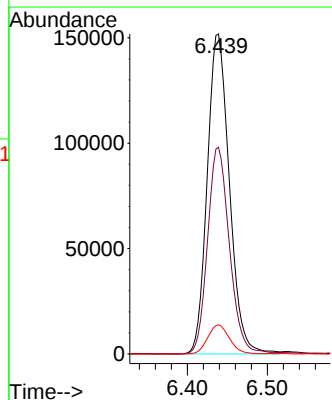
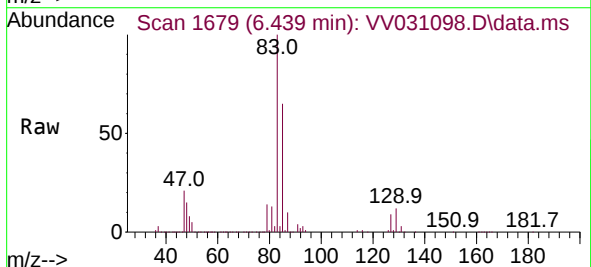
Tgt Ion: 83 Resp: 292519

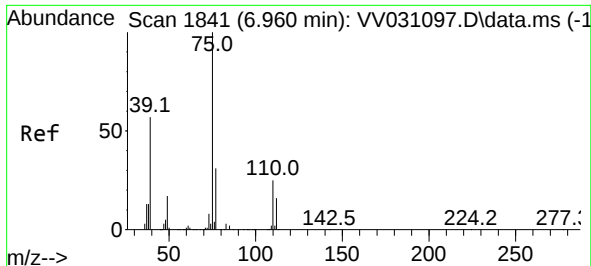
Ion Ratio Lower Upper

83 100

85 64.6 44.0 81.6

127 9.1 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 99.651 ug/L

RT: 6.960 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV031098.D

Acq: 19 May 2023 10:41

Instrument :

MSVOA_V

ClientSampleId :

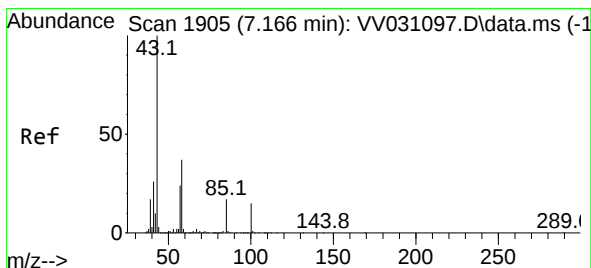
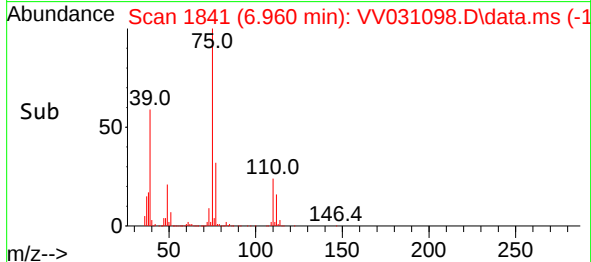
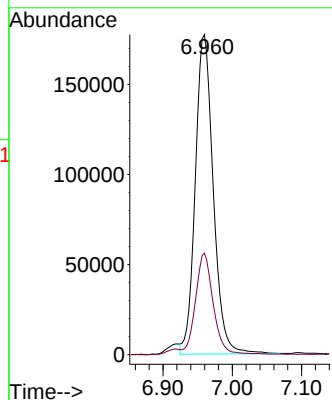
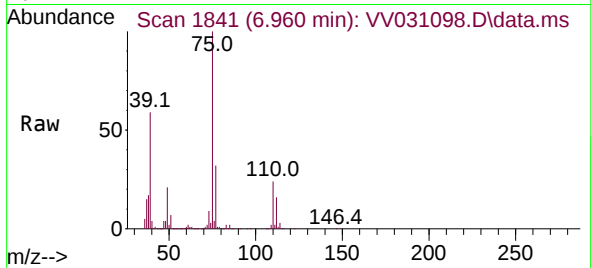
VSTD100224

Tgt Ion: 75 Resp: 320552

Ion Ratio Lower Upper

75 100

77 31.7 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 211.854 ug/L

RT: 7.162 min Scan# 1904

Delta R.T. -0.003 min

Lab File: VV031098.D

Acq: 19 May 2023 10:41

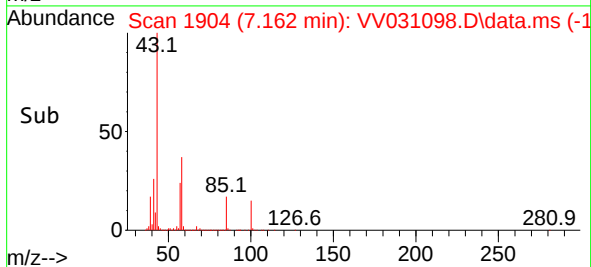
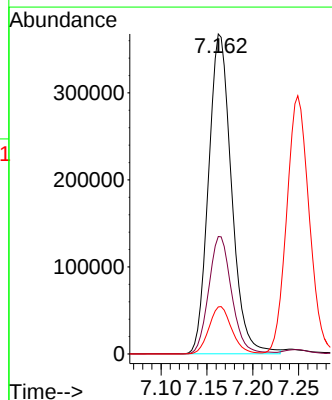
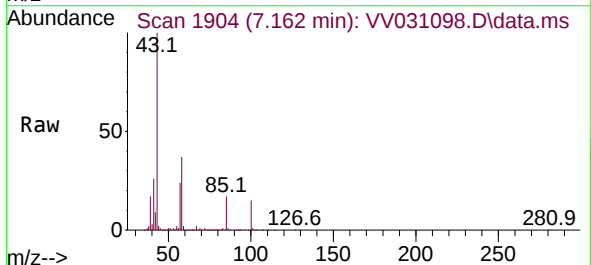
Tgt Ion: 43 Resp: 642419

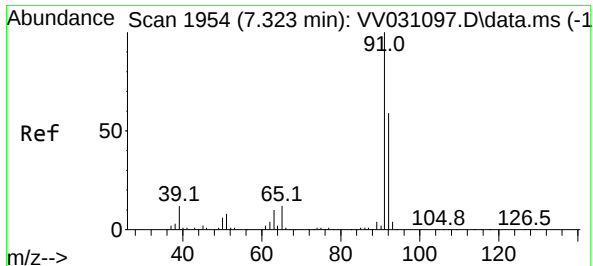
Ion Ratio Lower Upper

43 100

58 36.6 29.0 43.4

100 14.6 12.2 18.4





#42

Toluene

Concen: 95.452 ug/L

RT: 7.320 min Scan# 1954

Delta R.T. -0.003 min

Lab File: VV031098.D

Acq: 19 May 2023 10:41

Instrument :

MSVOA_V

ClientSampleId :

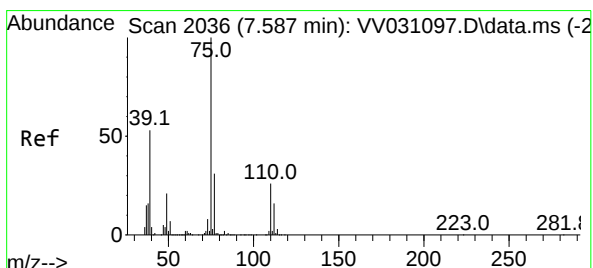
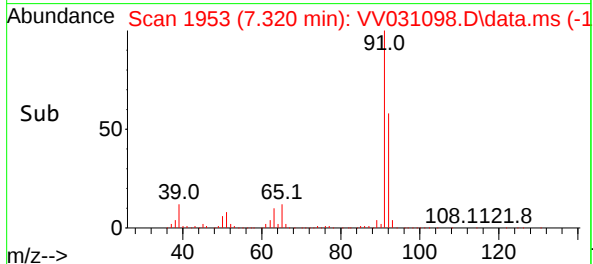
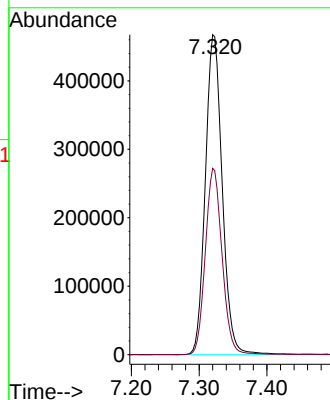
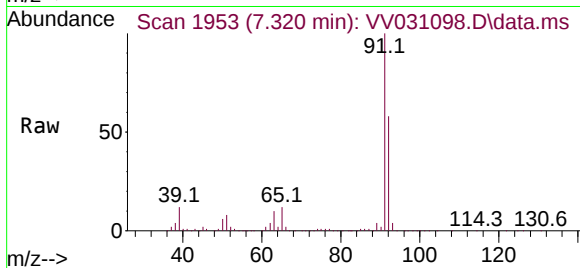
VSTD100224

Tgt Ion: 91 Resp: 807958

Ion Ratio Lower Upper

91 100

92 58.2 40.9 76.0



#44

trans-1,3-Dichloropropene

Concen: 102.290 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. -0.000 min

Lab File: VV031098.D

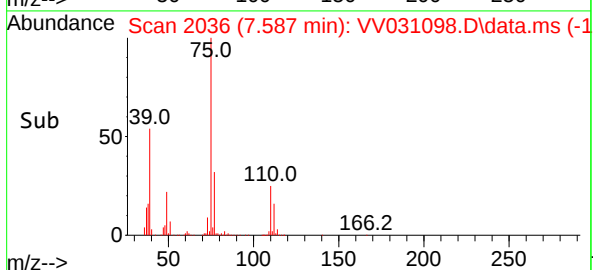
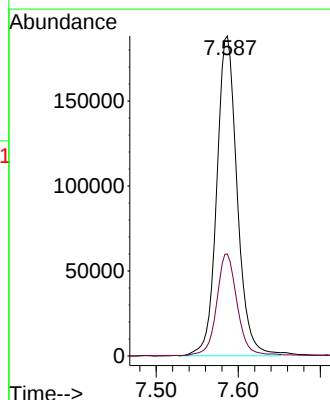
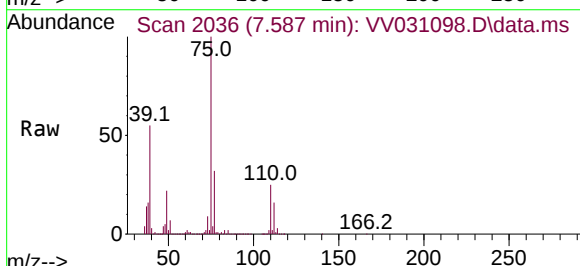
Acq: 19 May 2023 10:41

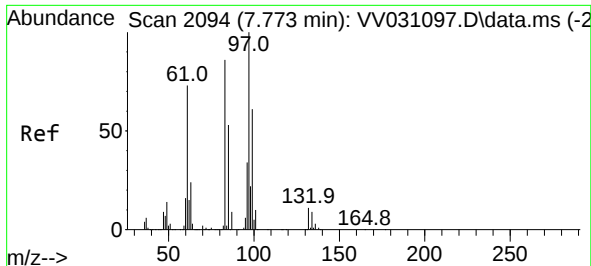
Tgt Ion: 75 Resp: 325941

Ion Ratio Lower Upper

75 100

77 31.9 22.2 41.2





#45

1,1,2-Trichloroethane

Concen: 95.945 ug/L

RT: 7.773 min Scan# 2094

Delta R.T. -0.000 min

Lab File: VV031098.D

Acq: 19 May 2023 10:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD100224

Tgt Ion: 97 Resp: 209055

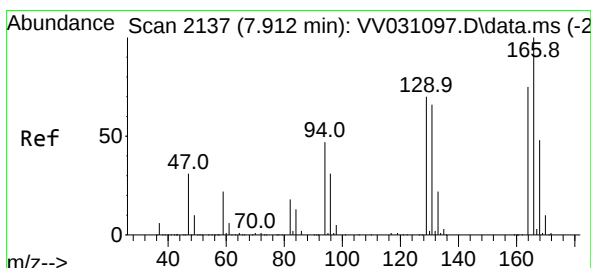
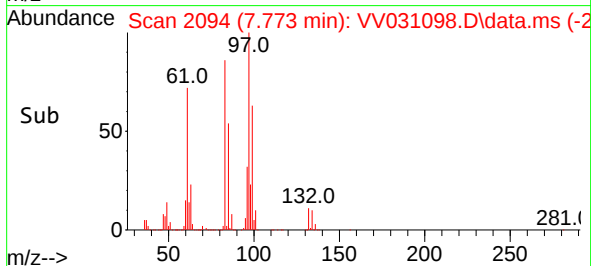
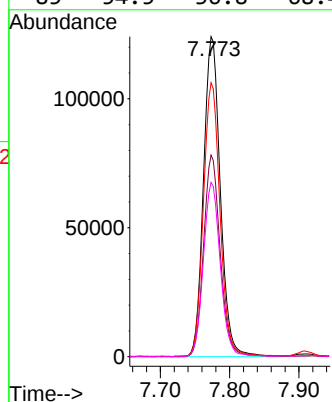
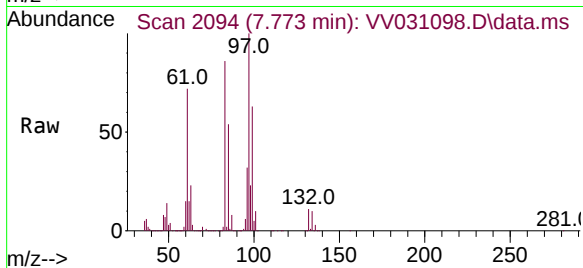
Ion Ratio Lower Upper

97 100

99 63.0 43.2 80.2

83 85.6 60.5 112.3

85 54.5 36.8 68.4



#46

Tetrachloroethene

Concen: 89.055 ug/L

RT: 7.911 min Scan# 2137

Delta R.T. -0.000 min

Lab File: VV031098.D

Acq: 19 May 2023 10:41

Tgt Ion:164 Resp: 160248

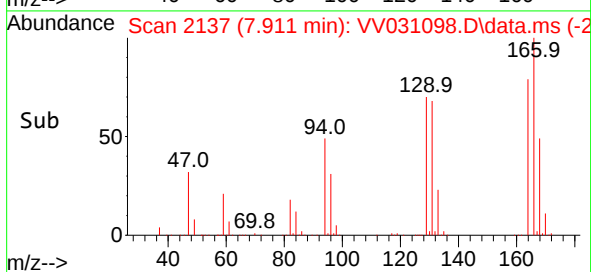
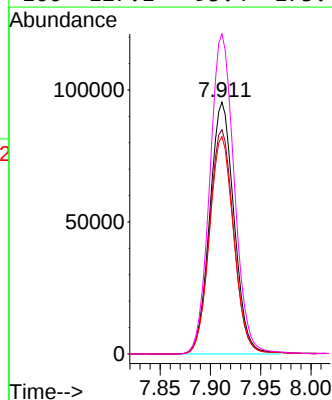
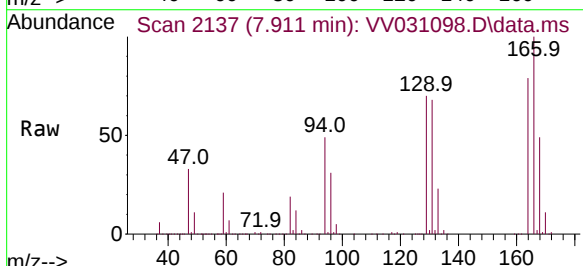
Ion Ratio Lower Upper

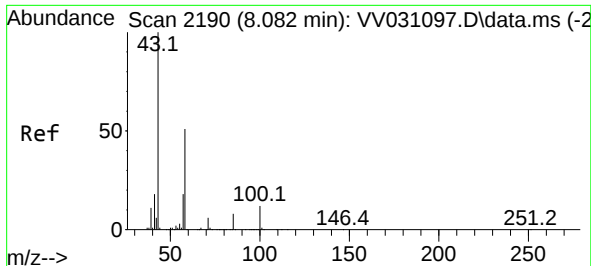
164 100

129 89.1 65.5 121.7

131 86.3 62.1 115.3

166 127.1 93.4 173.4

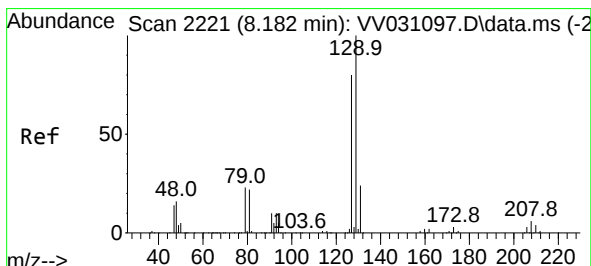
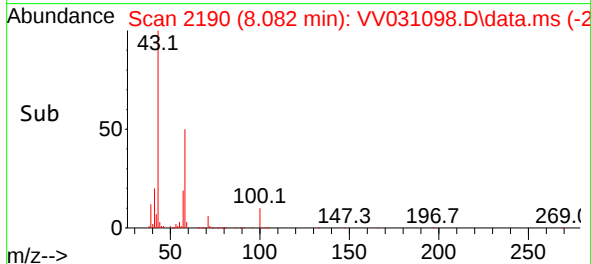
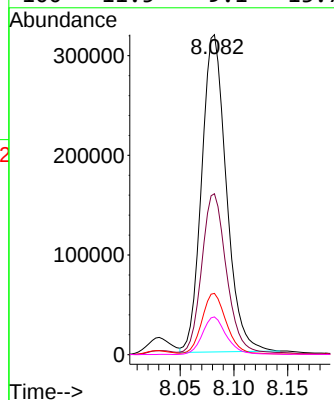
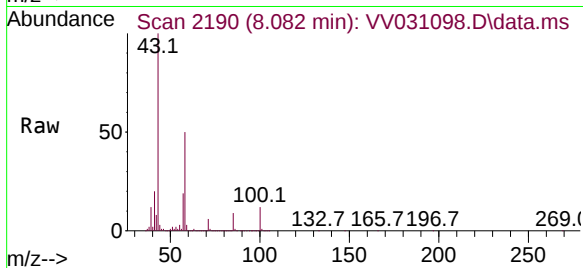




#48
2-Hexanone
Concen: 201.235 ug/L
RT: 8.082 min Scan# 2190
Delta R.T. -0.000 min
Lab File: VV031098.D
Acq: 19 May 2023 10:41

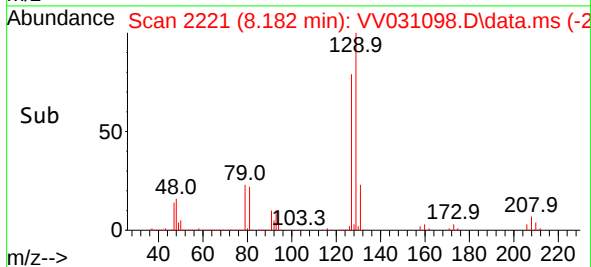
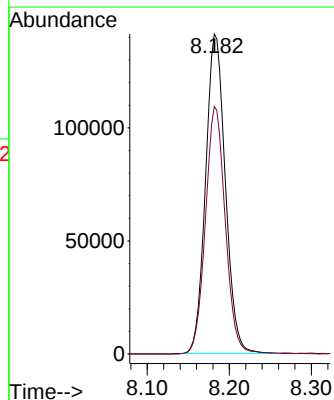
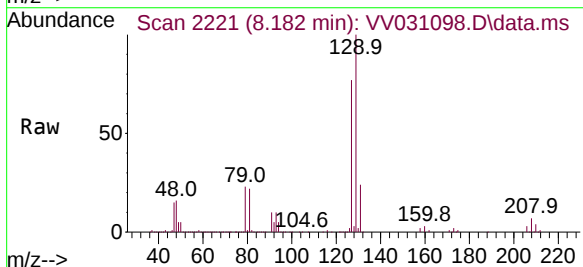
Instrument :
MSVOA_V
ClientSampleId :
VSTD100224

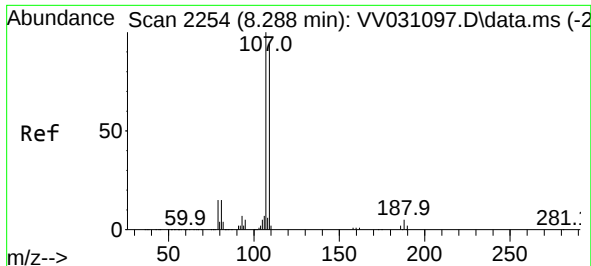
Tgt Ion:	43	Resp:	507236
Ion	Ratio	Lower	Upper
43	100		
58	51.4	39.8	59.6
57	19.2	14.4	21.6
100	11.5	9.1	13.7



#49
Dibromochloromethane
Concen: 98.392 ug/L
RT: 8.182 min Scan# 2221
Delta R.T. -0.000 min
Lab File: VV031098.D
Acq: 19 May 2023 10:41

Tgt Ion:	129	Resp:	236728
Ion	Ratio	Lower	Upper
129	100		
127	77.3	56.1	104.1





#50

1,2-Dibromoethane

Concen: 94.495 ug/L

RT: 8.288 min Scan# 2109

Delta R.T. -0.000 min

Lab File: VV031098.D

Acq: 19 May 2023 10:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD100224

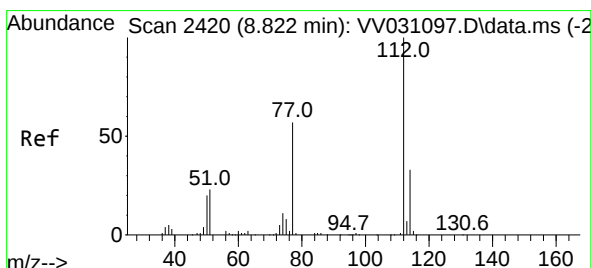
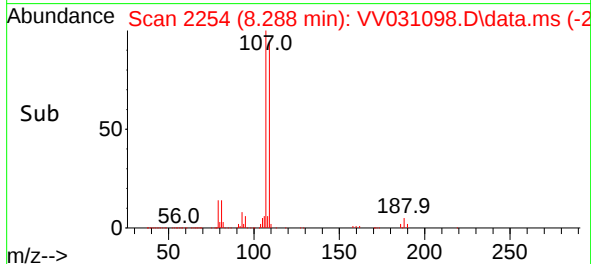
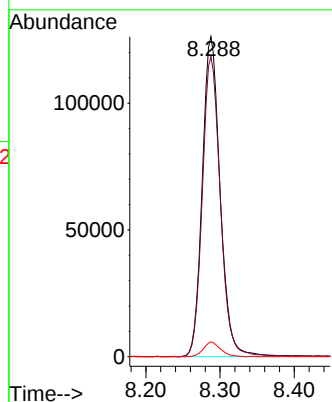
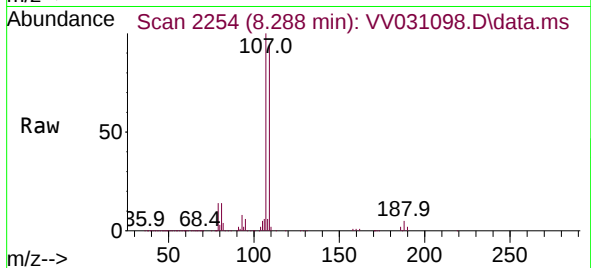
Tgt Ion:107 Resp: 210929

Ion Ratio Lower Upper

107 100

109 93.8 65.6 121.8

188 4.6 3.8 5.6



#51

Chlorobenzene

Concen: 94.399 ug/L

RT: 8.818 min Scan# 2419

Delta R.T. -0.003 min

Lab File: VV031098.D

Acq: 19 May 2023 10:41

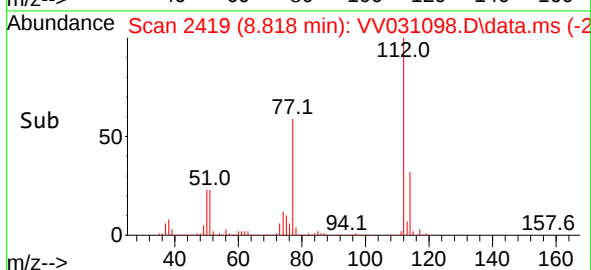
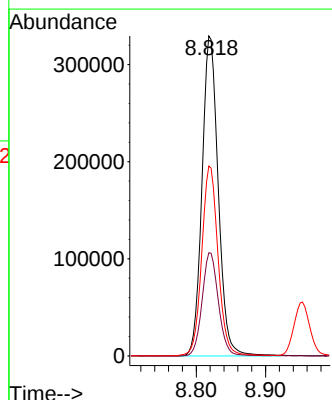
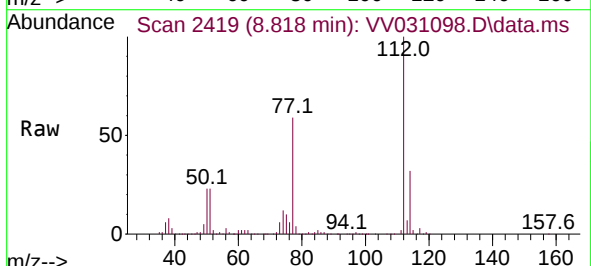
Tgt Ion:112 Resp: 536707

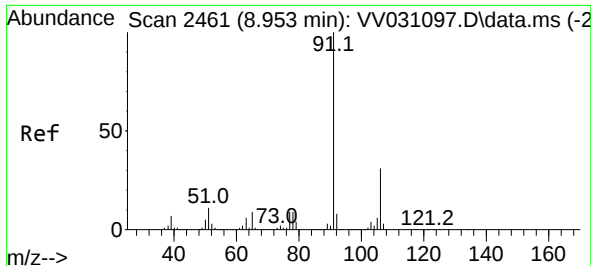
Ion Ratio Lower Upper

112 100

114 32.3 23.0 42.8

77 59.3 46.2 69.4





#52

Ethylbenzene

Concen: 99.281 ug/L

RT: 8.953 min Scan# 2461

Delta R.T. -0.000 min

Lab File: VV031098.D

Acq: 19 May 2023 10:41

Instrument :

MSVOA_V

ClientSampleId :

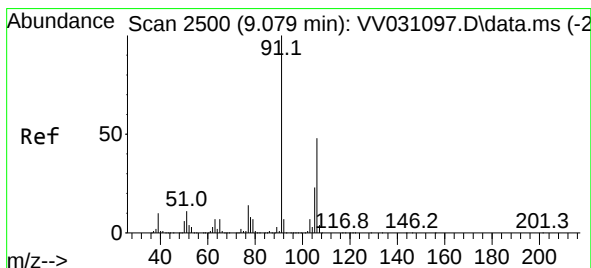
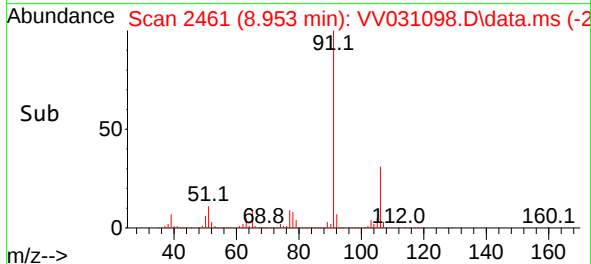
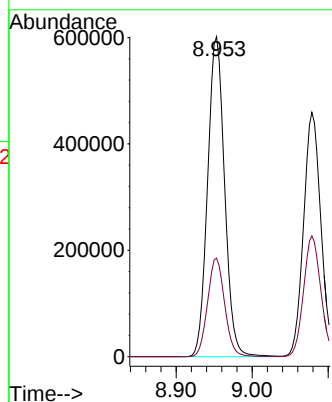
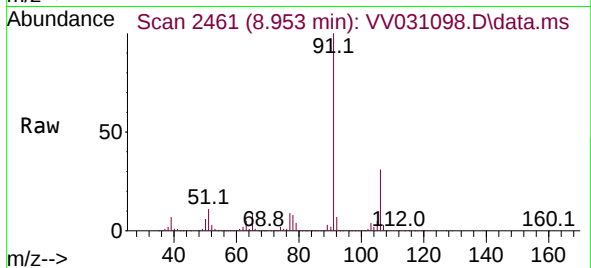
VSTD100224

Tgt Ion: 91 Resp: 934429

Ion Ratio Lower Upper

91 100

106 30.8 21.5 39.9



#53

m,p-Xylene

Concen: 101.070 ug/L

RT: 9.079 min Scan# 2500

Delta R.T. -0.000 min

Lab File: VV031098.D

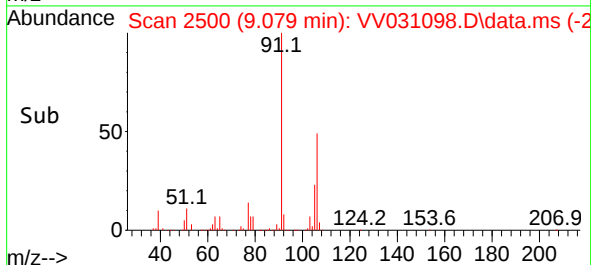
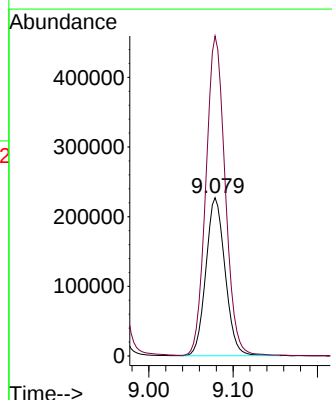
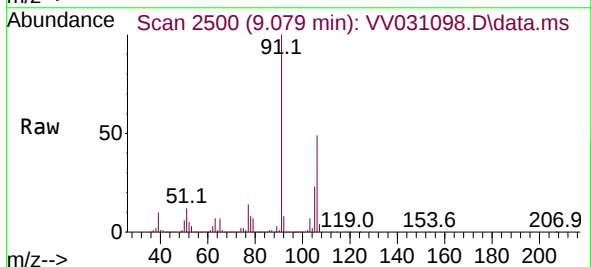
Acq: 19 May 2023 10:41

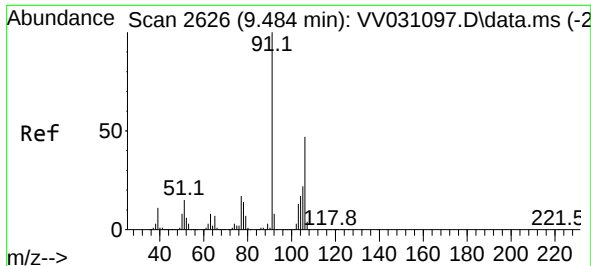
Tgt Ion:106 Resp: 359975

Ion Ratio Lower Upper

106 100

91 202.3 145.3 269.8

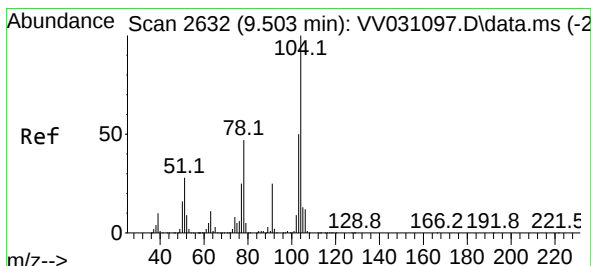
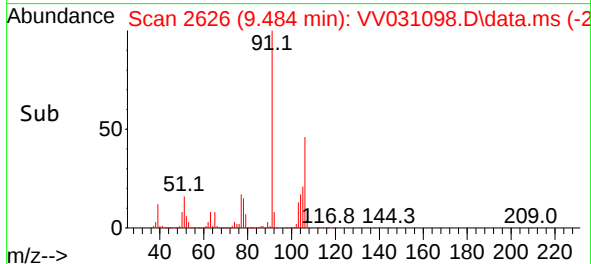
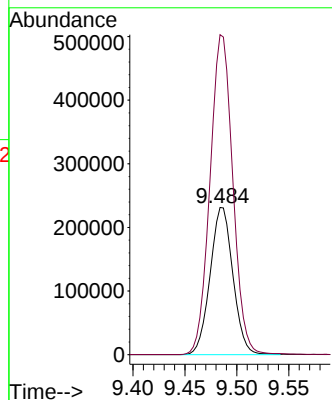
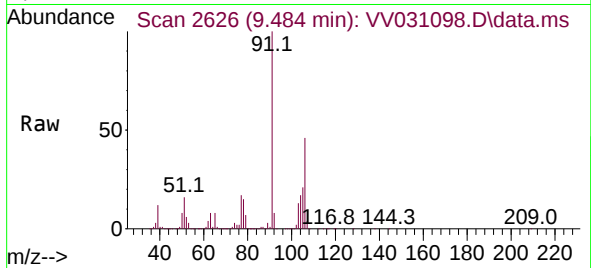




#54
o-Xylene
Concen: 100.852 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. -0.000 min
Lab File: VV031098.D
Acq: 19 May 2023 10:41

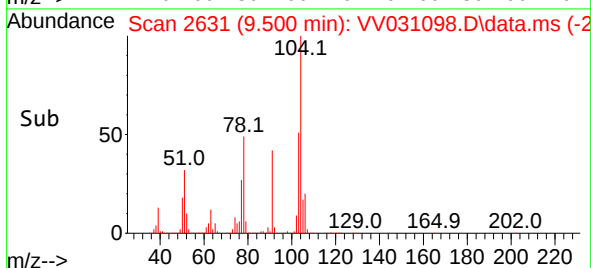
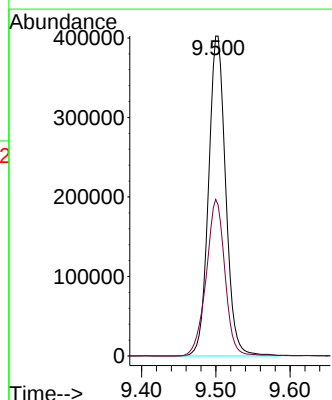
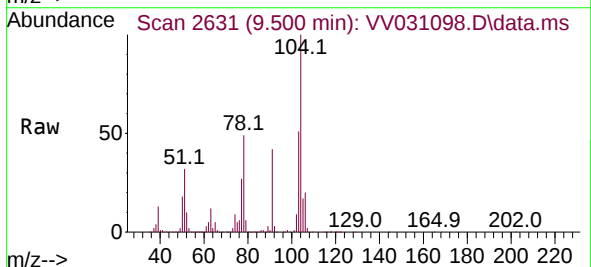
Instrument :
MSVOA_V
ClientSampleId :
VSTD100224

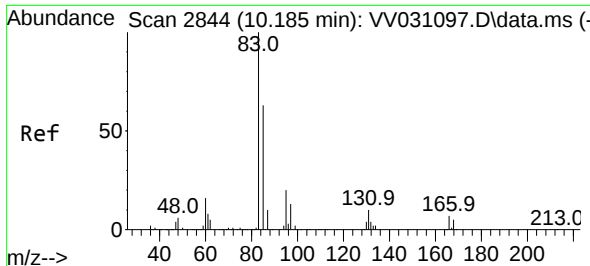
Tgt Ion:106 Resp: 352976
Ion Ratio Lower Upper
106 100
91 217.3 150.4 279.2



#55
Styrene
Concen: 105.237 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. -0.003 min
Lab File: VV031098.D
Acq: 19 May 2023 10:41

Tgt Ion:104 Resp: 645204
Ion Ratio Lower Upper
104 100
78 49.0 33.2 61.6





#57

1,1,2-Tetrachloroethane

Concen: 97.247 ug/L

RT: 10.185 min Scan# 2844

Delta R.T. -0.000 min

Lab File: VV031098.D

Acq: 19 May 2023 10:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD100224

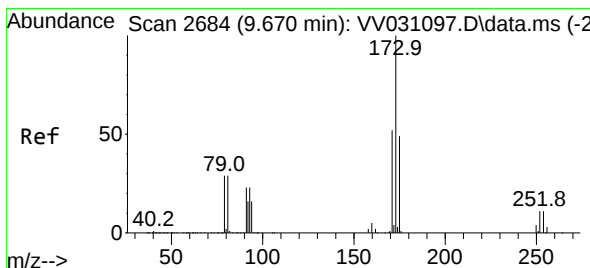
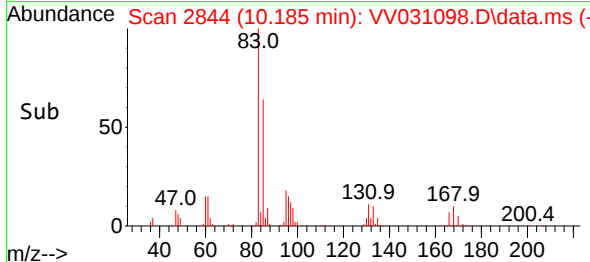
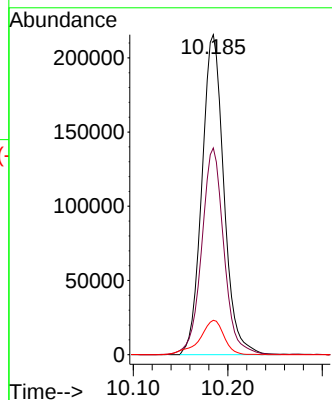
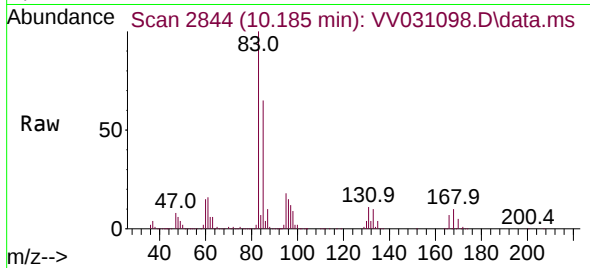
Tgt Ion: 83 Resp: 347849

Ion Ratio Lower Upper

83 100

85 64.6 45.0 83.6

131 10.7 9.2 13.8



#59

Bromoform

Concen: 96.891 ug/L

RT: 9.670 min Scan# 2684

Delta R.T. -0.000 min

Lab File: VV031098.D

Acq: 19 May 2023 10:41

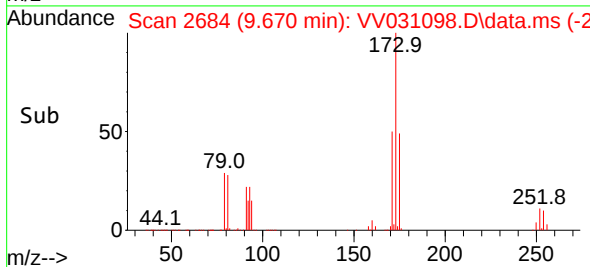
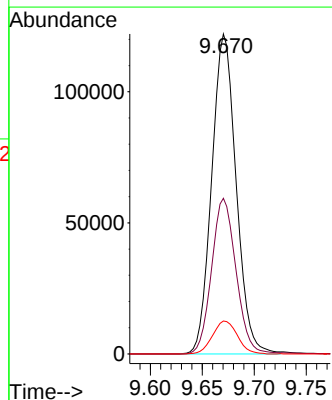
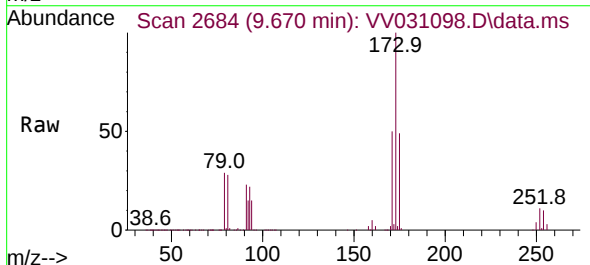
Tgt Ion: 173 Resp: 199619

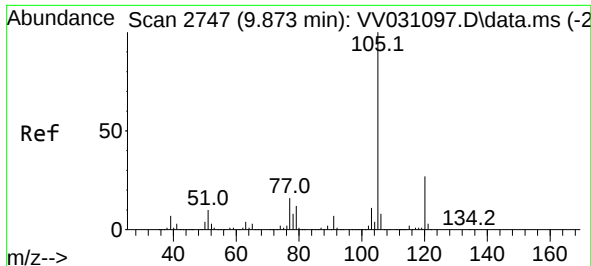
Ion Ratio Lower Upper

173 100

175 48.7 38.8 58.2

254 10.5 8.8 13.2

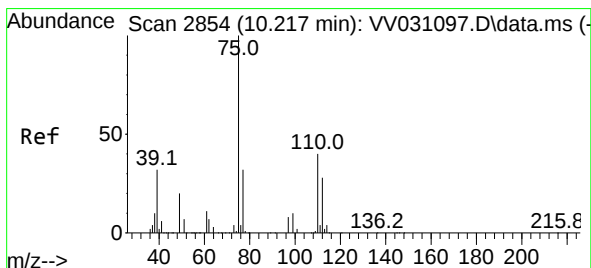
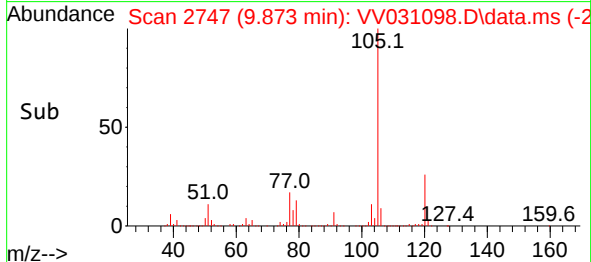
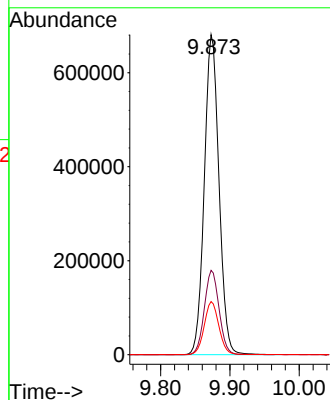
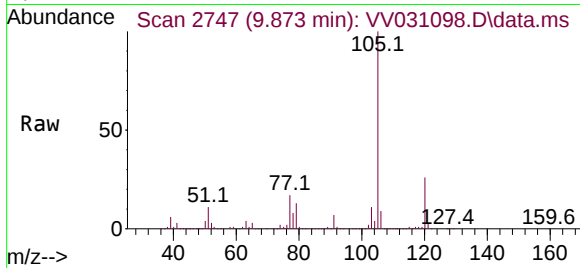




#60
Isopropylbenzene
Concen: 98.828 ug/L
RT: 9.873 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV031098.D
Acq: 19 May 2023 10:41

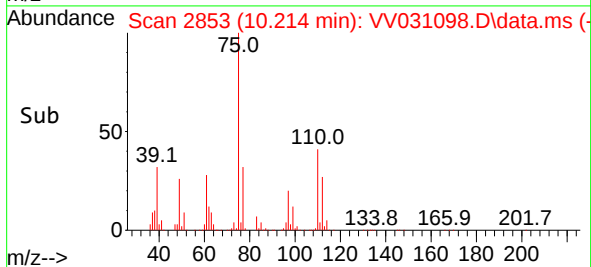
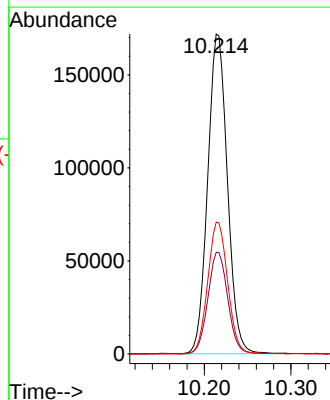
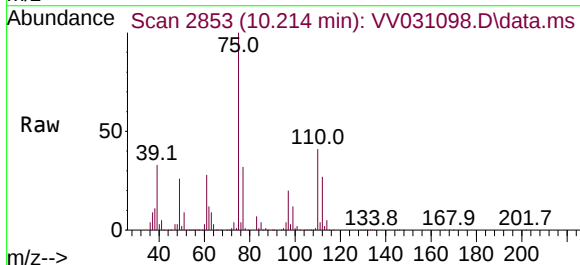
Instrument :
MSVOA_V
ClientSampleId :
VSTD100224

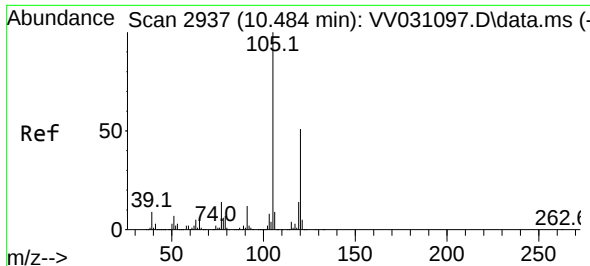
Tgt Ion:105 Resp: 1000059
Ion Ratio Lower Upper
105 100
120 26.4 21.4 32.0
77 16.5 13.0 19.6



#61
1,2,3-Trichloropropane
Concen: 92.258 ug/L
RT: 10.214 min Scan# 2853
Delta R.T. -0.003 min
Lab File: VV031098.D
Acq: 19 May 2023 10:41

Tgt Ion: 75 Resp: 271126
Ion Ratio Lower Upper
75 100
77 32.0 25.5 38.3
110 41.7 32.5 48.7

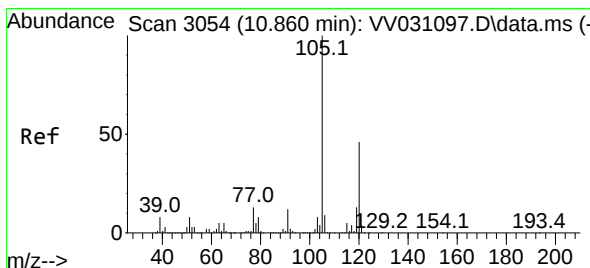
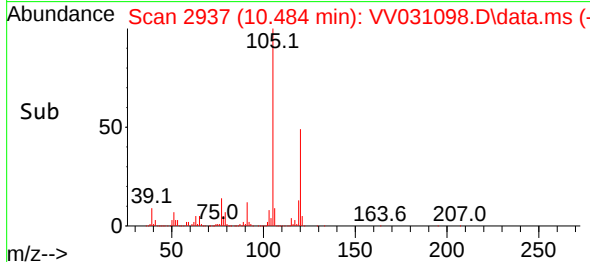
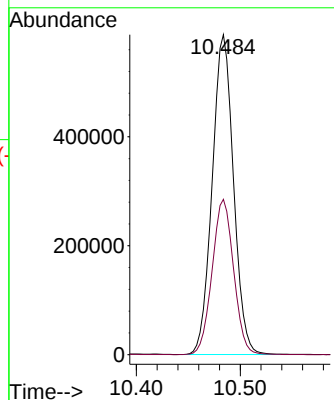
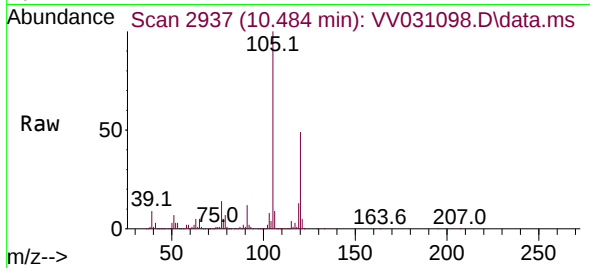




#62
 1,3,5-Trimethylbenzene
 Concen: 100.797 ug/L
 RT: 10.484 min Scan# 2937
 Delta R.T. -0.000 min
 Lab File: VV031098.D
 Acq: 19 May 2023 10:41

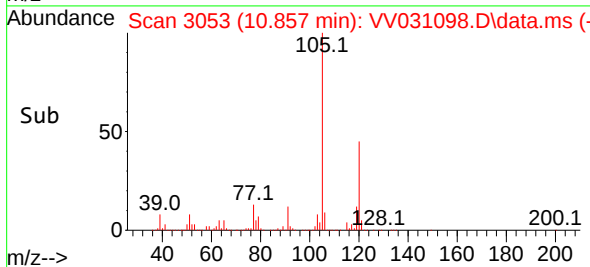
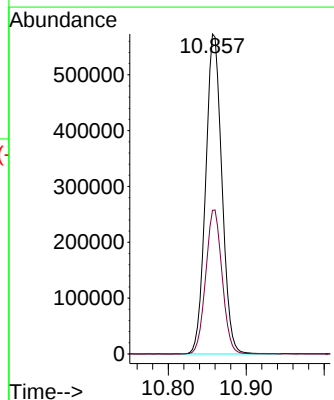
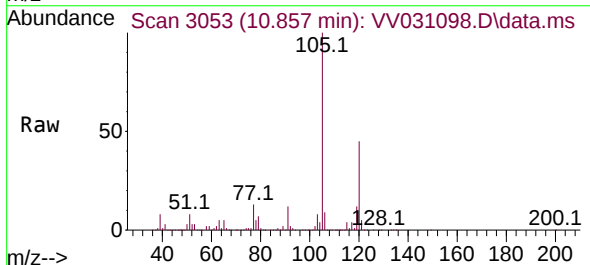
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD100224

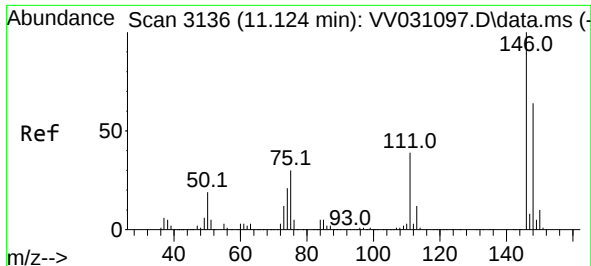
Tgt Ion:105 Resp: 837168
 Ion Ratio Lower Upper
 105 100
 120 48.9 40.5 60.7



#63
 1,2,4-Trimethylbenzene
 Concen: 100.274 ug/L
 RT: 10.857 min Scan# 3053
 Delta R.T. -0.003 min
 Lab File: VV031098.D
 Acq: 19 May 2023 10:41

Tgt Ion:105 Resp: 828607
 Ion Ratio Lower Upper
 105 100
 120 45.5 37.5 56.3

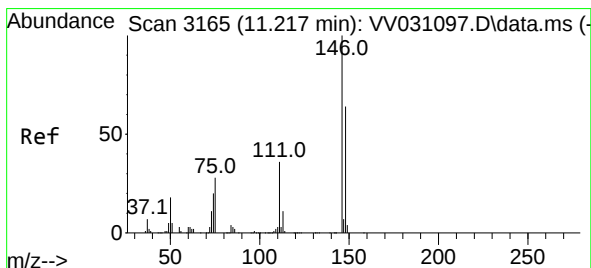
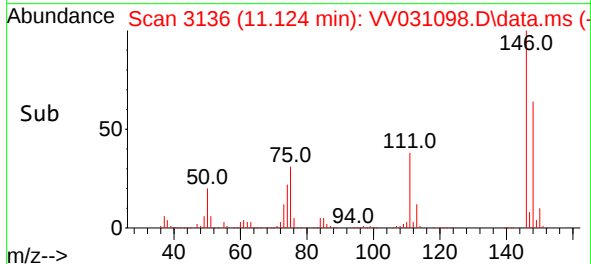
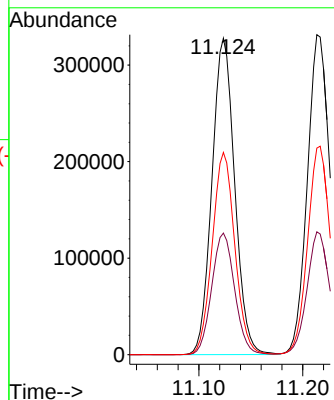
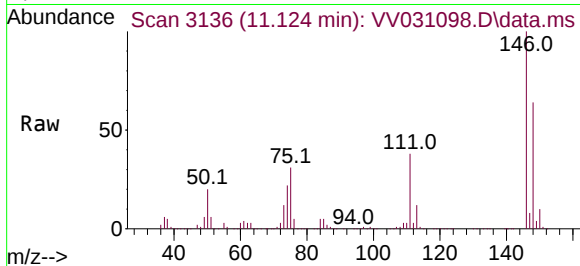




#64
1,3-Dichlorobenzene
Concen: 97.720 ug/L
RT: 11.124 min Scan# 3136
Delta R.T. -0.000 min
Lab File: VV031098.D
Acq: 19 May 2023 10:41

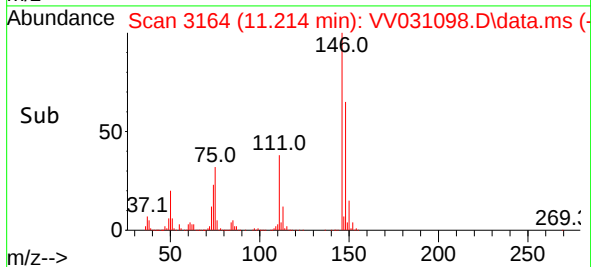
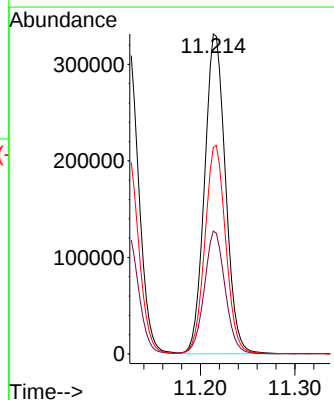
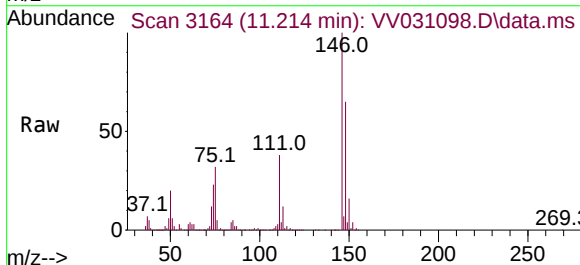
Instrument :
MSVOA_V
ClientSampleId :
VSTD100224

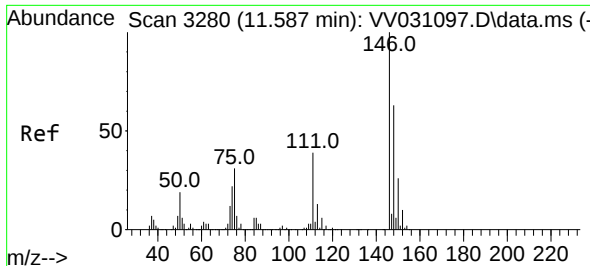
Tgt Ion:146 Resp: 498689
Ion Ratio Lower Upper
146 100
111 38.4 27.2 50.4
148 63.9 44.4 82.5



#65
1,4-Dichlorobenzene
Concen: 94.929 ug/L
RT: 11.214 min Scan# 3164
Delta R.T. -0.003 min
Lab File: VV031098.D
Acq: 19 May 2023 10:41

Tgt Ion:146 Resp: 510086
Ion Ratio Lower Upper
146 100
111 38.4 25.5 47.3
148 64.6 44.5 82.7

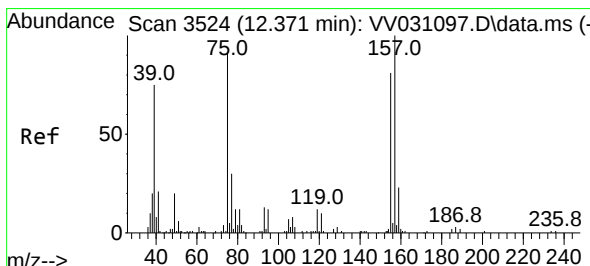
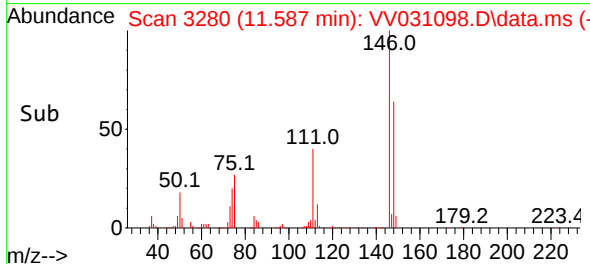
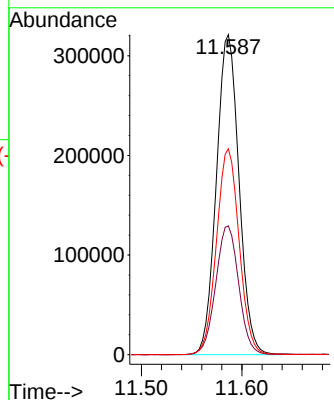
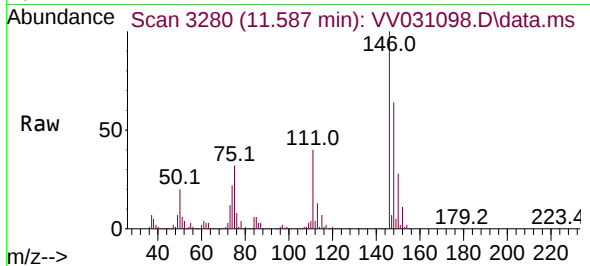




#67
1,2-Dichlorobenzene
Concen: 97.136 ug/L
RT: 11.587 min Scan# 311
Delta R.T. -0.000 min
Lab File: VV031098.D
Acq: 19 May 2023 10:41

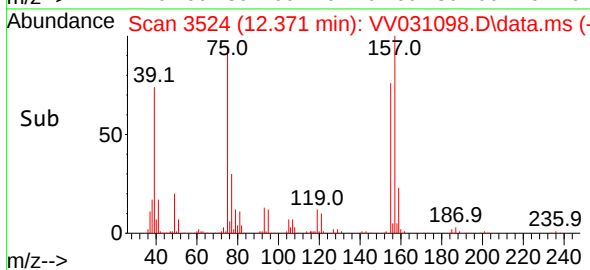
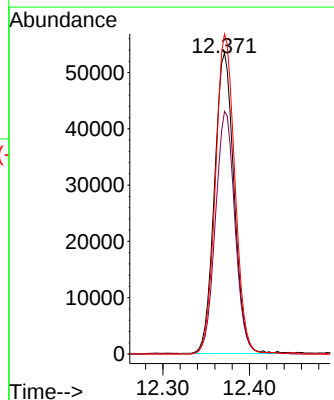
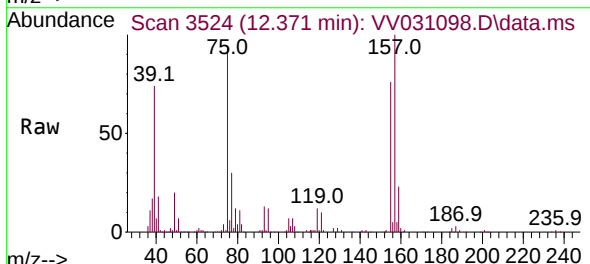
Instrument :
MSVOA_V
ClientSampleId :
VSTD100224

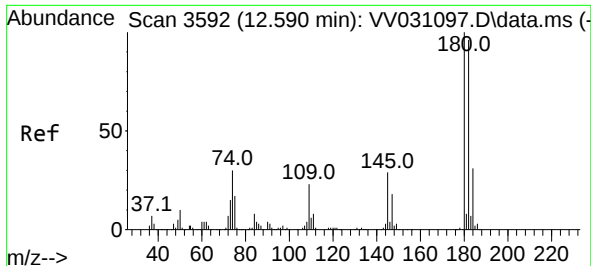
Tgt Ion:146 Resp: 501874
Ion Ratio Lower Upper
146 100
111 40.3 31.4 47.2
148 64.3 50.2 75.4



#68
1,2-Dibromo-3-chloropropane
Concen: 96.854 ug/L
RT: 12.371 min Scan# 3524
Delta R.T. -0.000 min
Lab File: VV031098.D
Acq: 19 May 2023 10:41

Tgt Ion: 75 Resp: 84076
Ion Ratio Lower Upper
75 100
155 80.5 70.9 106.3
157 106.3 88.1 132.1





#69

1,3,5-Trichlorobenzene

Concen: 96.986 ug/L

RT: 12.590 min Scan# 3592

Delta R.T. -0.000 min

Lab File: VV031098.D

Acq: 19 May 2023 10:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD100224

Tgt Ion:180 Resp: 373141

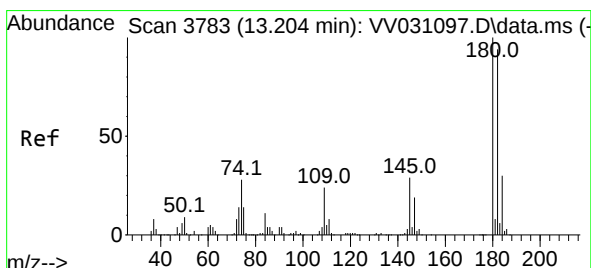
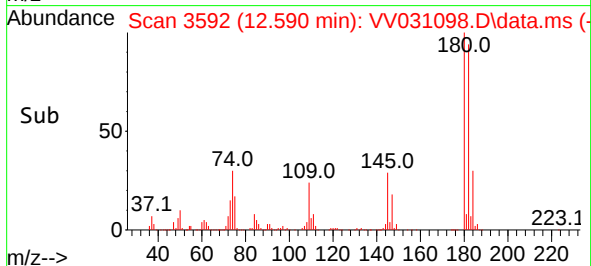
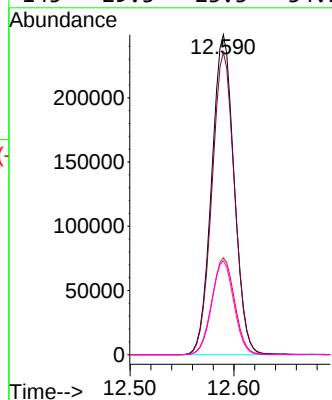
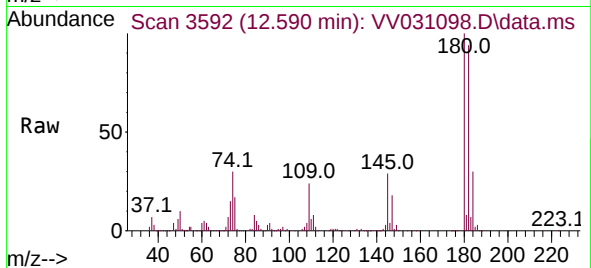
Ion Ratio Lower Upper

180 100

182 95.2 76.6 115.0

184 30.4 24.6 37.0

145 29.3 23.3 34.9



#70

1,2,4-trichlorobenzene

Concen: 101.706 ug/L

RT: 13.204 min Scan# 3783

Delta R.T. -0.000 min

Lab File: VV031098.D

Acq: 19 May 2023 10:41

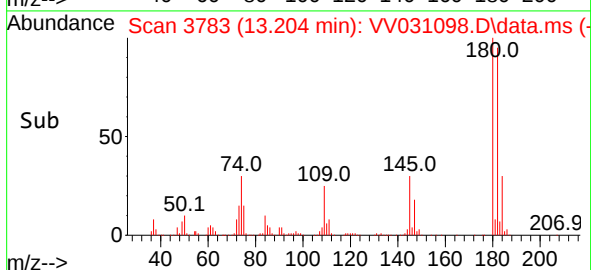
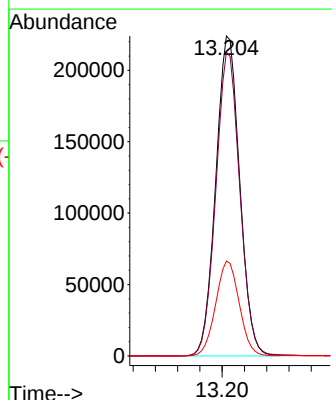
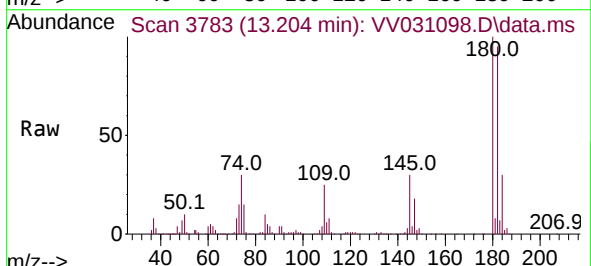
Tgt Ion:180 Resp: 334174

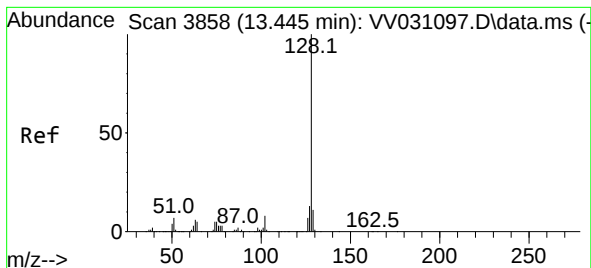
Ion Ratio Lower Upper

180 100

182 95.2 75.4 113.2

145 29.3 23.1 34.7





#71

Naphthalene

Concen: 106.349 ug/L

RT: 13.445 min Scan# 3858

Delta R.T. -0.000 min

Lab File: VV031098.D

Acq: 19 May 2023 10:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD100224

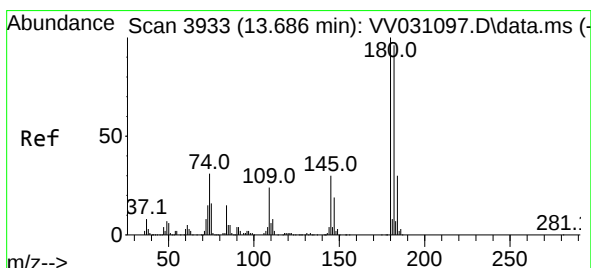
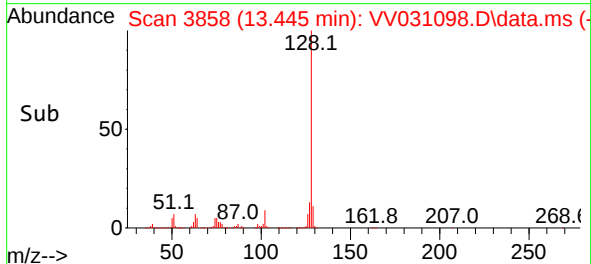
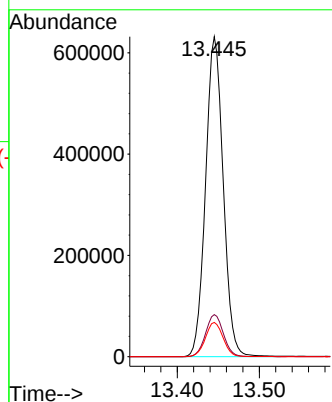
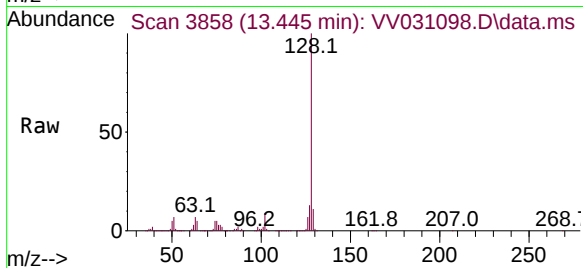
Tgt Ion:128 Resp: 944355

Ion Ratio Lower Upper

128 100

127 13.3 10.6 16.0

129 10.8 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 103.941 ug/L

RT: 13.686 min Scan# 3933

Delta R.T. -0.000 min

Lab File: VV031098.D

Acq: 19 May 2023 10:41

Tgt Ion:180 Resp: 338583

Ion Ratio Lower Upper

180 100

182 95.0 75.4 113.0

145 30.8 24.2 36.4

