

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW051923\
 Data File : VW031096.D
 Acq On : 19 May 2023 09:53
 Operator : SY/MD
 Sample : VSTD01022
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010222

Quant Time: May 19 23:54:31 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	247441	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	239621	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	131444	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	20161	10.801	ug/L	0.00
7) Chloroethane-d5	1.535	69	15201	9.848	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.063	65	9259	10.442	ug/L	0.00
21) 2-Butanone-d5	3.812	46	19648	19.199	ug/L	0.02
24) Chloroform-d	4.262	84	35170	10.470	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.953	65	24230	11.041	ug/L	0.00
32) Benzene-d6	4.973	84	58345	10.044	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.001	67	17443	9.724	ug/L	0.00
41) Toluene-d8	7.252	98	51245	9.378	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.561	79	8234	9.139	ug/L	0.00
47) 2-Hexanone-d5	8.037	63	12155	17.135	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.159	84	26053	9.978	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.567	152	22022	10.354	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	15659	7.713	ug/L	96
3) Chloromethane	1.217	50	17491	6.717	ug/L	97
5) Vinyl chloride	1.285	62	14983	7.050	ug/L	99
6) Bromomethane	1.490	94	8022	9.102	ug/L	96
8) Chloroethane	1.555	64	10565	7.334	ug/L	95
9) Trichlorofluoromethane	1.719	101	31462	8.899	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	15727	8.425	ug/L	95
12) 1,1-Dichloroethene	2.076	96	13946	8.428	ug/L	96
13) Acetone	2.121	43	31904	20.792	ug/L	99
14) Carbon disulfide	2.246	76	23567	5.327	ug/L	97
15) Methyl Acetate	2.381	43	15114	7.613	ug/L	97
16) Methylene chloride	2.455	84	15258	8.067	ug/L	93
17) trans-1,2-Dichloroethene	2.703	96	12082	7.289	ug/L	95
18) Methyl tert-butyl Ether	2.712	73	43038	7.889	ug/L	98
19) 1,1-Dichloroethane	3.117	63	29119	8.464	ug/L	98
20) cis-1,2-Dichloroethene	3.828	96	14315	7.784	ug/L	92
22) 2-Butanone	3.892	43	21433	13.679	ug/L	82
23) Bromochloromethane	4.159	128	8715	8.516	ug/L	99
25) Chloroform	4.284	83	31995	8.916	ug/L	99
27) 1,2-Dichloroethane	5.053	62	25723	8.419	ug/L	97
29) Cyclohexane	4.596	56	16785	6.279	ug/L	96
30) 1,1,1-Trichloroethane	4.522	97	29384	8.934	ug/L	98
31) Carbon tetrachloride	4.744	117	25571	8.715	ug/L	99
33) Benzene	5.021	78	52937	7.588	ug/L	100
34) Trichloroethene	5.844	95	15217	8.369	ug/L	97
35) Methylcyclohexane	6.059	83	17399	6.253	ug/L	95
37) 1,2-Dichloropropane	6.098	63	6778	3.596	ug/L #	67
38) Bromodichloromethane	6.442	83	23810	8.828	ug/L	96
39) cis-1,3-Dichloropropene	6.963	75	20949	7.389	ug/L	91
40) 4-Methyl-2-pentanone	7.169	43	39510	14.783	ug/L	98
42) Toluene	7.323	91	56496	7.573	ug/L	98
44) trans-1,3-Dichloropropene	7.590	75	21333	7.596	ug/L	97

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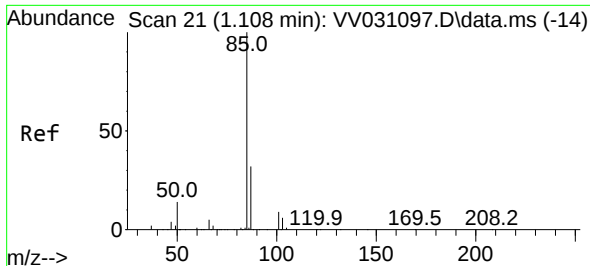
Instrument :
 MSVOA_V
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Quant Time: May 19 23:54:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM051923WMA.M
 Quant Title : VOC Analysis
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	7.776	97	16664	8.677	ug/L	95
46) Tetrachloroethene	7.911	164	12912	8.141	ug/L	86
48) 2-Hexanone	8.085	43	31932	14.373	ug/L	99
49) Dibromochloromethane	8.181	129	18380	8.668	ug/L	98
50) 1,2-Dibromoethane	8.291	107	15684	7.972	ug/L	95
51) Chlorobenzene	8.821	112	42205	8.422	ug/L	97
52) Ethylbenzene	8.953	91	60730	7.321	ug/L	97
53) m,p-Xylene	9.082	106	23764	7.570	ug/L	95
54) o-Xylene	9.487	106	23832	7.726	ug/L	93
55) Styrene	9.503	104	40032	7.408	ug/L	92
57) 1,1,2,2-Tetrachloroethane	10.185	83	26375	8.366	ug/L	97
59) Bromoform	9.673	173	15033	9.321	ug/L	99
60) Isopropylbenzene	9.873	105	64205	8.105	ug/L	96
61) 1,2,3-Trichloropropane	10.217	75	19293	8.386	ug/L	94
62) 1,3,5-Trimethylbenzene	10.484	105	50969	7.839	ug/L	100
63) 1,2,4-Trimethylbenzene	10.857	105	50071	7.741	ug/L	99
64) 1,3-Dichlorobenzene	11.123	146	34098	8.536	ug/L	97
65) 1,4-Dichlorobenzene	11.217	146	36370	8.647	ug/L	96
67) 1,2-Dichlorobenzene	11.586	146	35092	8.676	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.371	75	6140	9.036	ug/L	97
69) 1,3,5-Trichlorobenzene	12.590	180	25670	8.523	ug/L	99
70) 1,2,4-trichlorobenzene	13.207	180	21224	8.252	ug/L	100
71) Naphthalene	13.448	128	52007	7.482	ug/L	99
72) 1,2,3-Trichlorobenzene	13.689	180	21483	8.425	ug/L	97

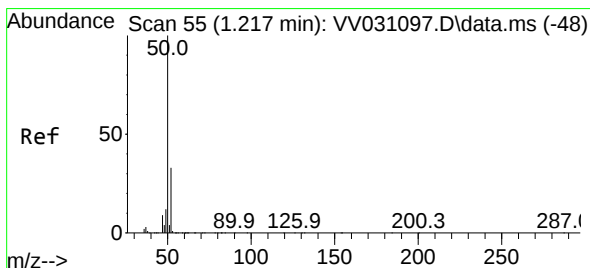
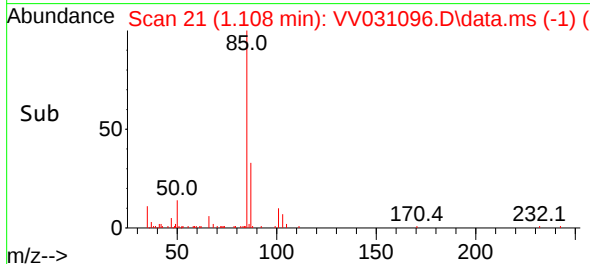
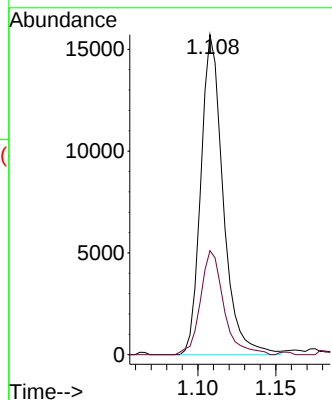
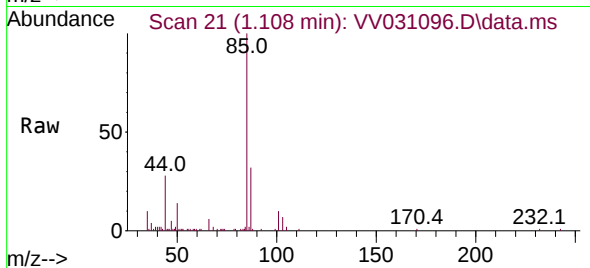
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 7.713 ug/L
RT: 1.108 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV031096.D
Acq: 19 May 2023 09:53

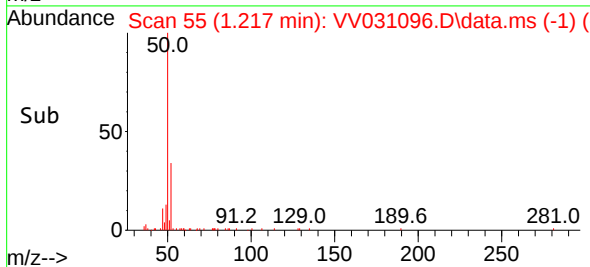
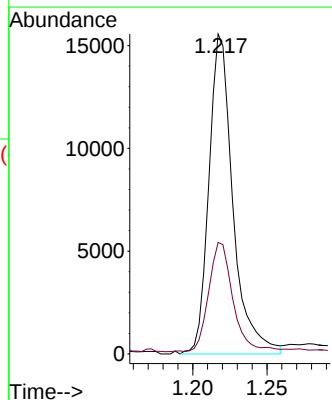
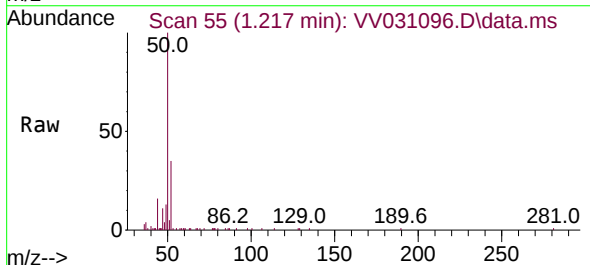
Instrument :
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ClientSampleId :
VSTD010222

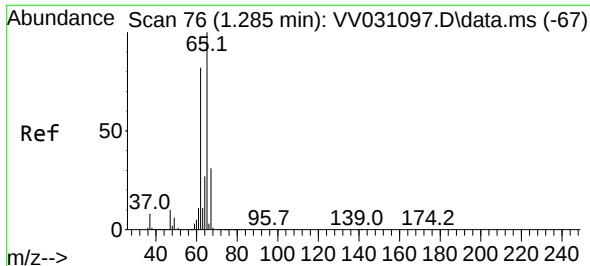
Tgt Ion: 85 Resp: 15659
Ion Ratio Lower Upper
85 100
87 33.8 25.2 37.8



#3
Chloromethane
Concen: 6.717 ug/L
RT: 1.217 min Scan# 55
Delta R.T. -0.000 min
Lab File: VV031096.D
Acq: 19 May 2023 09:53

Tgt Ion: 50 Resp: 17491
Ion Ratio Lower Upper
50 100
52 34.9 23.3 43.3

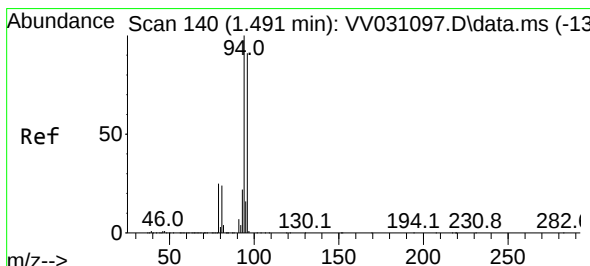
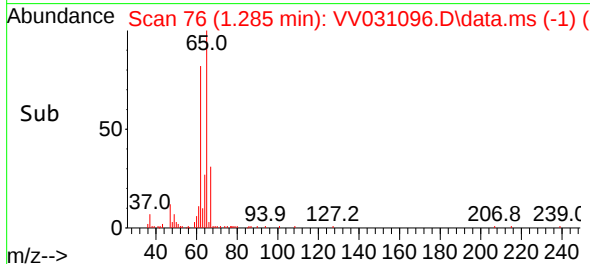
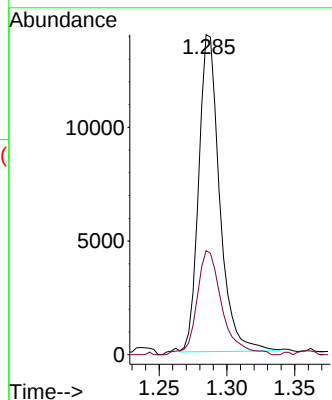
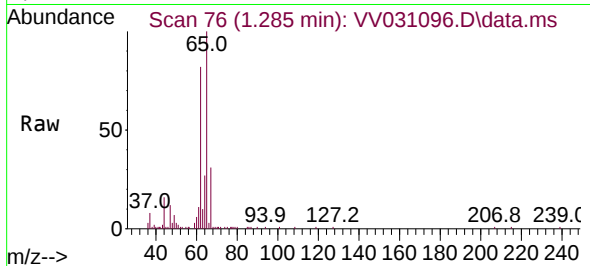




#5
 Vinyl chloride
 Concen: 7.050 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. -0.000 min
 Lab File: VV031096.D
 Acq: 19 May 2023 09:53

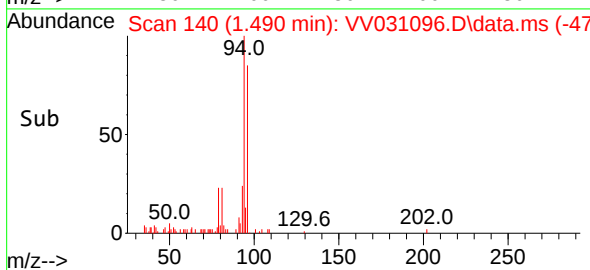
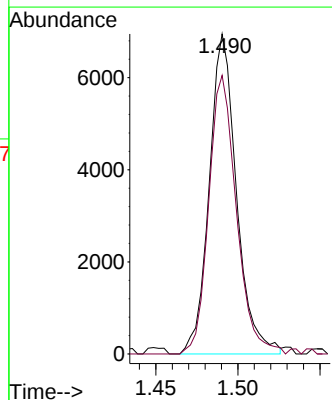
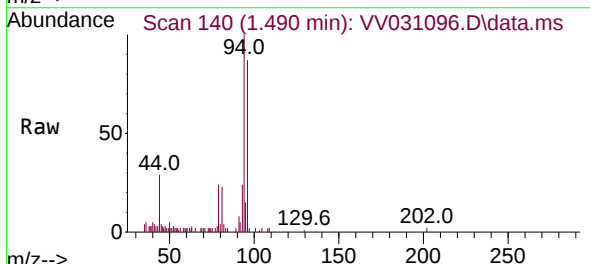
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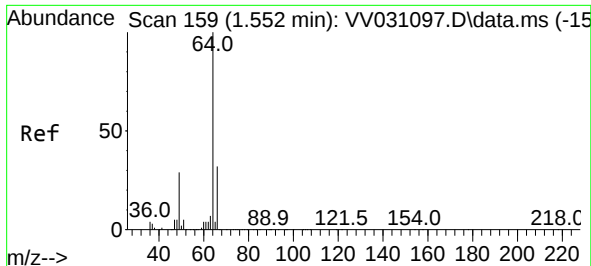
Tgt Ion: 62 Resp: 14983
 Ion Ratio Lower Upper
 62 100
 64 32.5 23.1 42.9



#6
 Bromomethane
 Concen: 9.102 ug/L
 RT: 1.490 min Scan# 140
 Delta R.T. -0.000 min
 Lab File: VV031096.D
 Acq: 19 May 2023 09:53

Tgt Ion: 94 Resp: 8022
 Ion Ratio Lower Upper
 94 100
 96 87.0 63.9 118.7

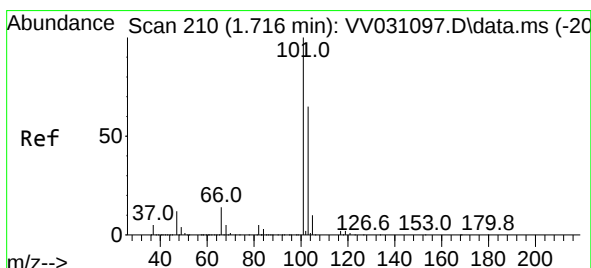
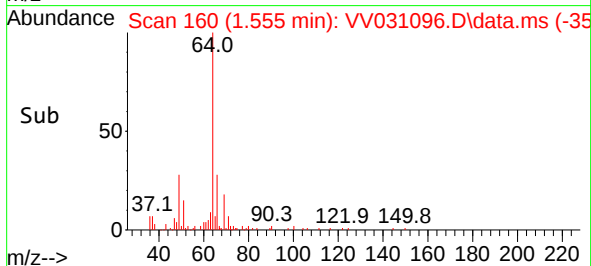
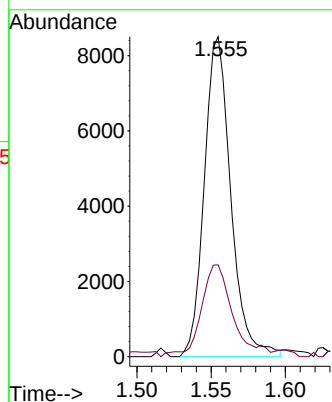
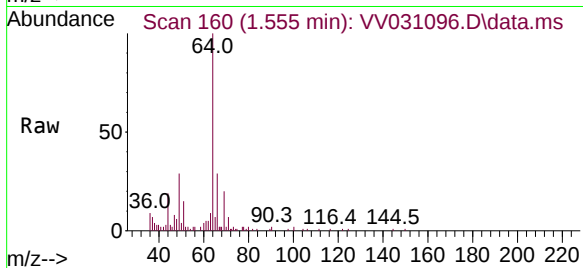




#8
Chloroethane
Concen: 7.334 ug/L
RT: 1.555 min Scan# 1
Delta R.T. 0.003 min
Lab File: VV031096.D
Acq: 19 May 2023 09:53

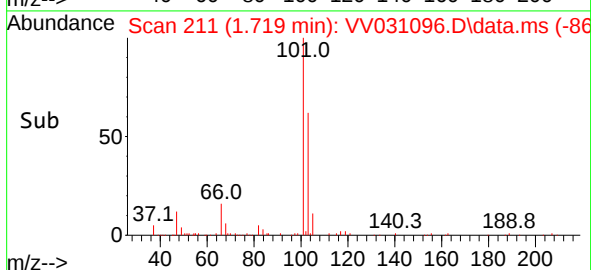
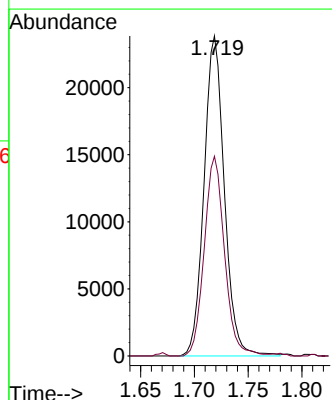
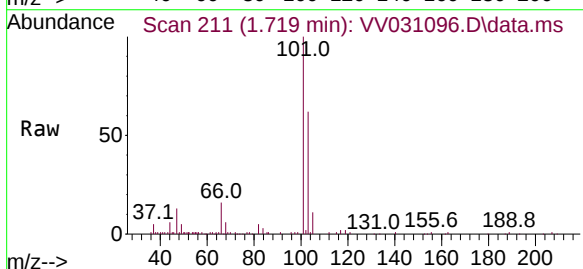
Instrument :
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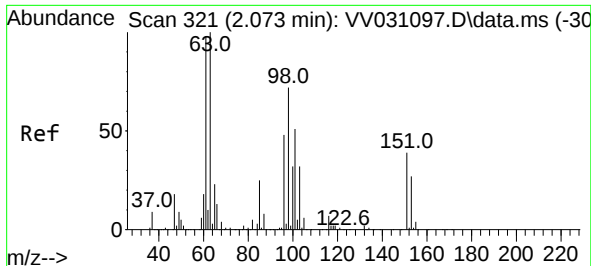
Tgt Ion: 64 Resp: 10565
Ion Ratio Lower Upper
64 100
66 28.7 22.1 41.1



#9
Trichlorofluoromethane
Concen: 8.899 ug/L
RT: 1.719 min Scan# 211
Delta R.T. 0.003 min
Lab File: VV031096.D
Acq: 19 May 2023 09:53

Tgt Ion: 101 Resp: 31462
Ion Ratio Lower Upper
101 100
103 62.1 51.4 77.2





#10

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

Concen: 8.425 ug/L

RT: 2.072 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV031096.D

Acq: 19 May 2023 09:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD010222

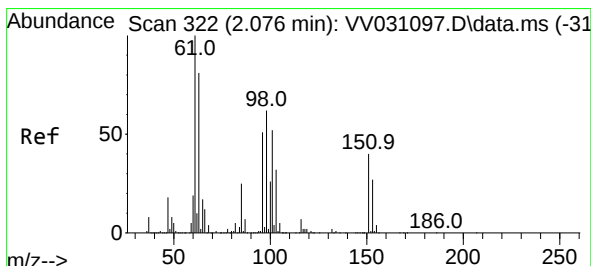
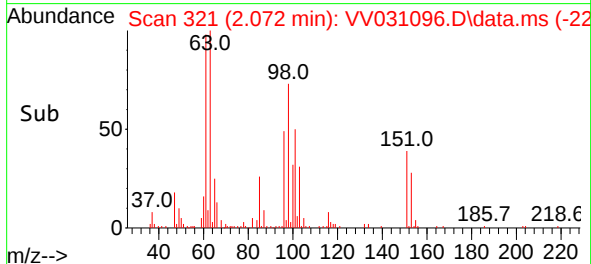
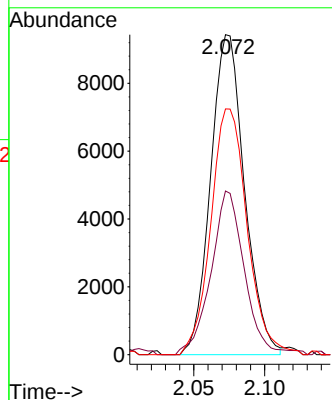
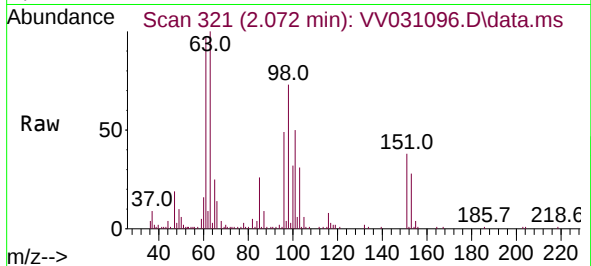
Tgt Ion:101 Resp: 15727

Ion Ratio Lower Upper

101 100

85 50.4 38.0 57.0

151 82.3 61.7 92.5



#12

1,1-Dichloroethene

Concen: 8.428 ug/L

RT: 2.076 min Scan# 322

Delta R.T. -0.000 min

Lab File: VV031096.D

Acq: 19 May 2023 09:53

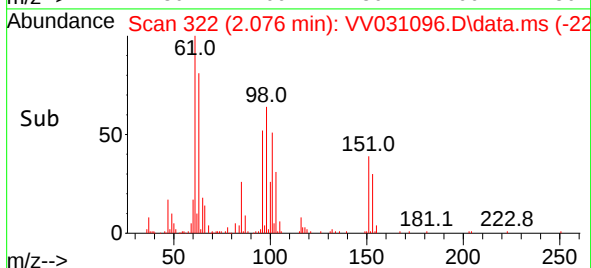
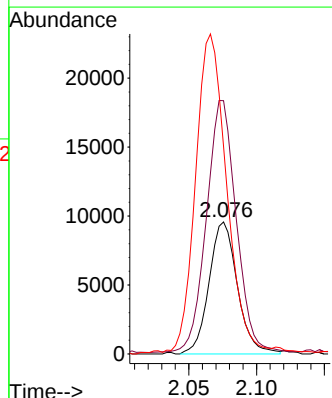
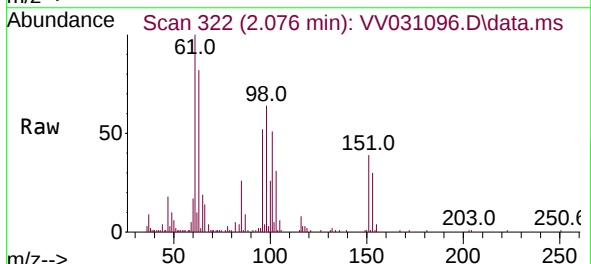
Tgt Ion: 96 Resp: 13946

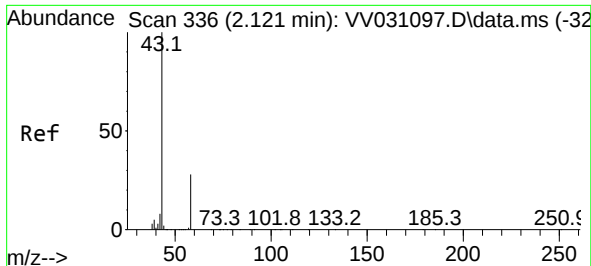
Ion Ratio Lower Upper

96 100

61 191.9 137.9 256.1

63 157.2 114.2 212.0





#13

Acetone

Concen: 20.792 ug/L

RT: 2.121 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV031096.D

Acq: 19 May 2023 09:53

Instrument :

MSVOA_V

ClientSampleId :

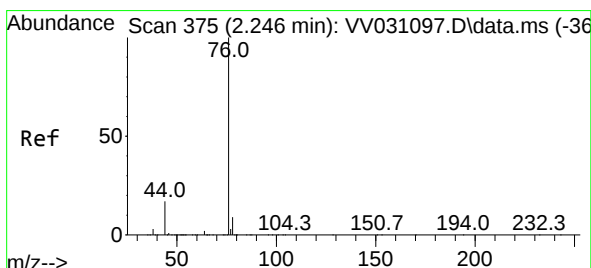
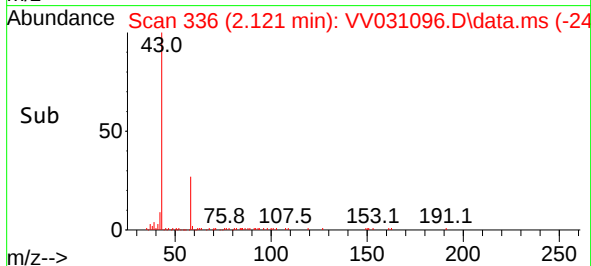
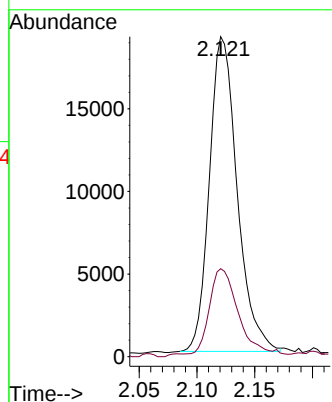
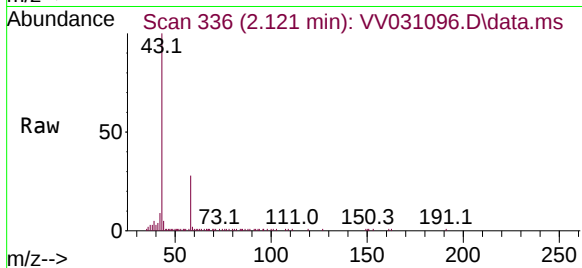
VSTD010222

Tgt Ion: 43 Resp: 31904

Ion Ratio Lower Upper

43 100

58 27.7 0.0 54.0



#14

Carbon disulfide

Concen: 5.327 ug/L

RT: 2.246 min Scan# 375

Delta R.T. -0.000 min

Lab File: VV031096.D

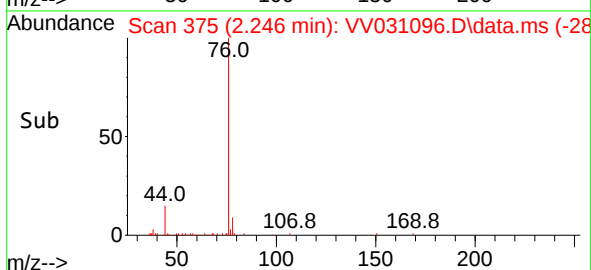
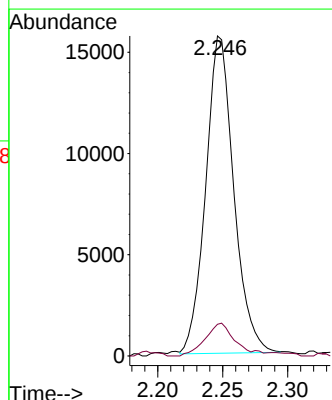
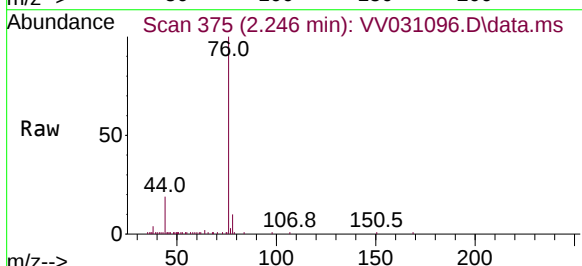
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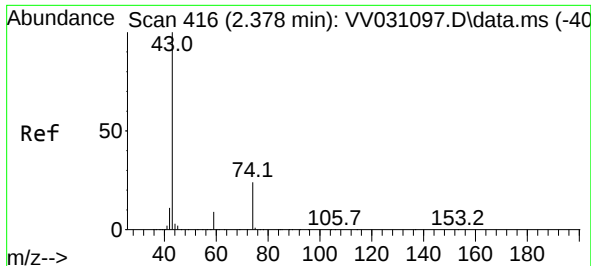
Tgt Ion: 76 Resp: 23567

Ion Ratio Lower Upper

76 100

78 9.9 7.0 10.4

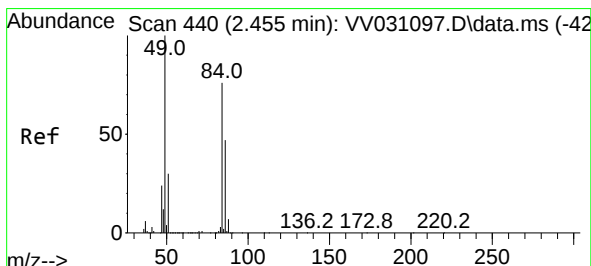
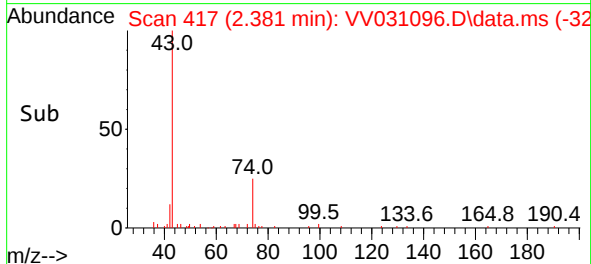
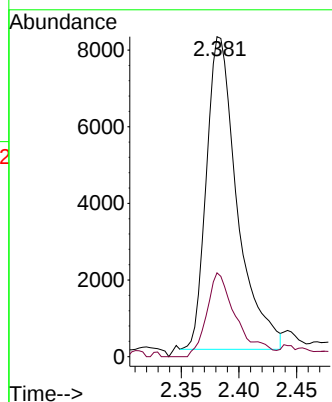
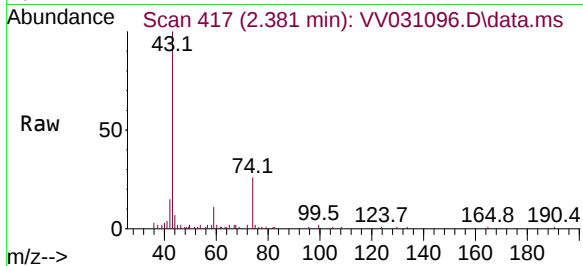




#15
Methyl Acetate
Concen: 7.613 ug/L
RT: 2.381 min Scan# 416
Delta R.T. 0.003 min
Lab File: VV031096.D
Acq: 19 May 2023 09:53

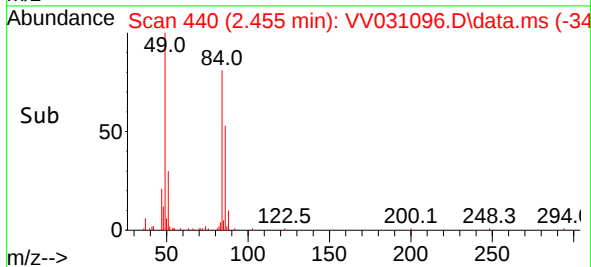
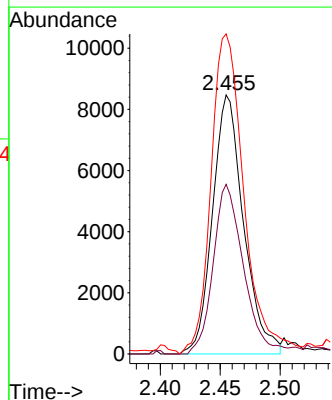
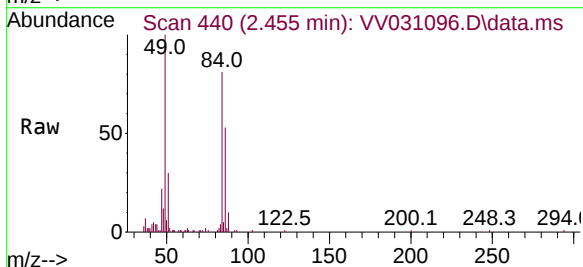
Instrument :
MSVOA_V
ClientSampleId :
VSTD010222

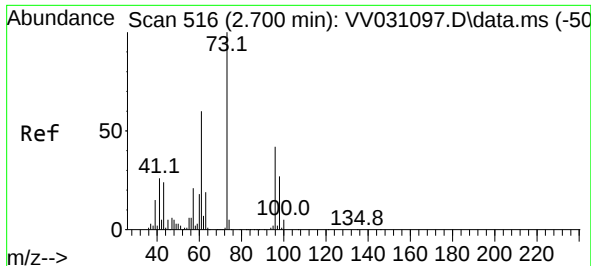
Tgt Ion: 43 Resp: 15114
Ion Ratio Lower Upper
43 100
74 23.8 18.1 27.1



#16
Methylene chloride
Concen: 8.067 ug/L
RT: 2.455 min Scan# 440
Delta R.T. -0.000 min
Lab File: VV031096.D
Acq: 19 May 2023 09:53

Tgt Ion: 84 Resp: 15258
Ion Ratio Lower Upper
84 100
86 65.5 43.3 80.3
49 123.5 92.6 172.0

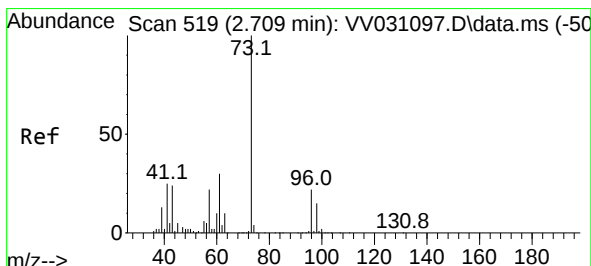
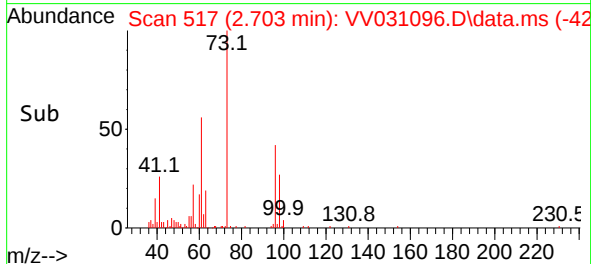
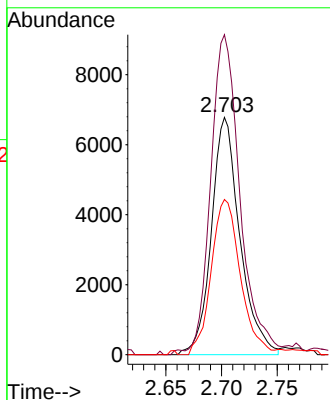
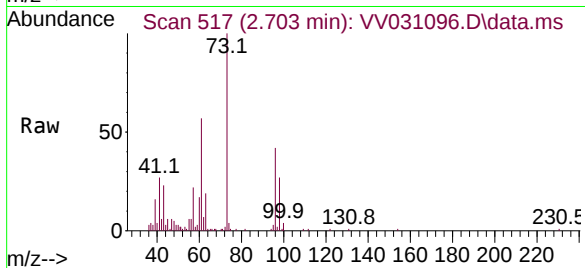




#17
trans-1,2-Dichloroethene
Concen: 7.289 ug/L
RT: 2.703 min Scan# 516
Delta R.T. 0.003 min
Lab File: VV031096.D
Acq: 19 May 2023 09:53

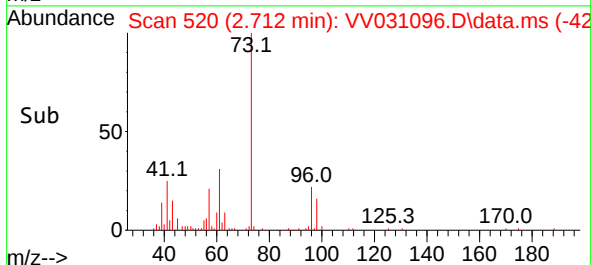
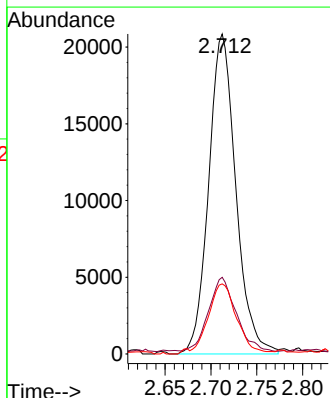
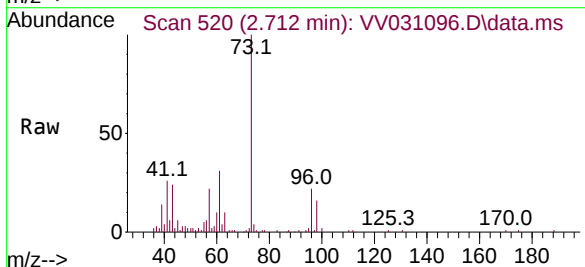
Instrument :
MSVOA_V
ClientSampleId :
VSTD010222

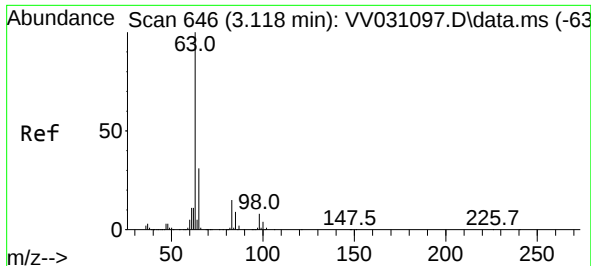
Tgt Ion: 96 Resp: 12082
Ion Ratio Lower Upper
96 100
61 134.8 100.0 185.6
98 65.4 45.4 84.2



#18
Methyl tert-butyl Ether
Concen: 7.889 ug/L
RT: 2.712 min Scan# 520
Delta R.T. 0.003 min
Lab File: VV031096.D
Acq: 19 May 2023 09:53

Tgt Ion: 73 Resp: 43038
Ion Ratio Lower Upper
73 100
43 23.5 19.4 29.2
57 22.6 17.1 25.7





#19

1,1-Dichloroethane

Concen: 8.464 ug/L

RT: 3.117 min Scan# 64

Delta R.T. -0.000 min

Lab File: VV031096.D

Acq: 19 May 2023 09:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD010222

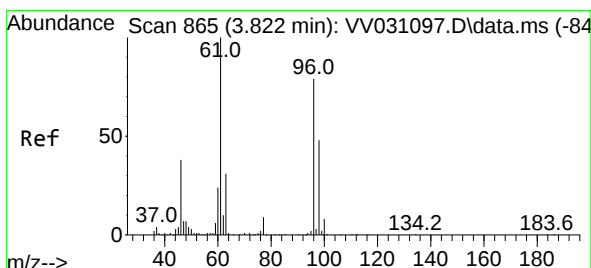
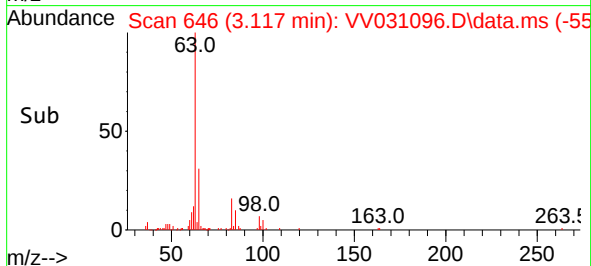
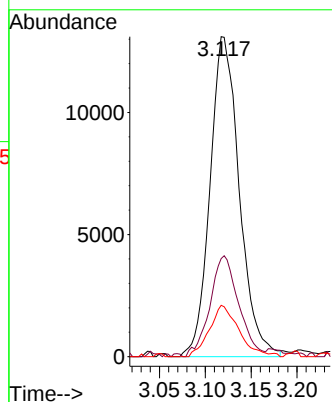
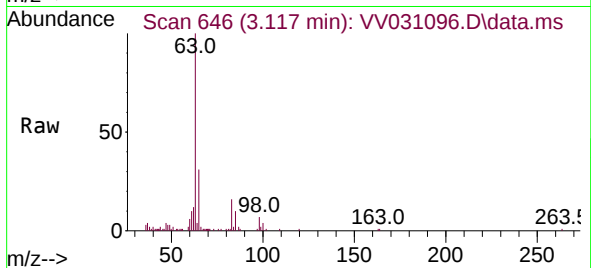
Tgt Ion: 63 Resp: 29119

Ion Ratio Lower Upper

63 100

65 30.7 21.9 40.7

83 16.1 10.4 19.2



#20

cis-1,2-Dichloroethene

Concen: 7.784 ug/L

RT: 3.828 min Scan# 867

Delta R.T. 0.006 min

Lab File: VV031096.D

Acq: 19 May 2023 09:53

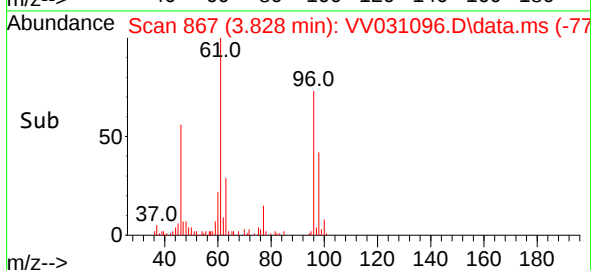
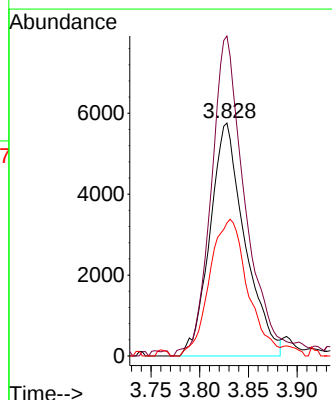
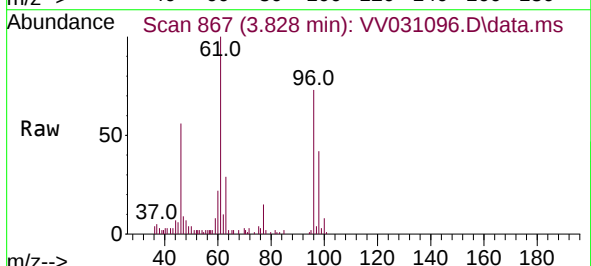
Tgt Ion: 96 Resp: 14315

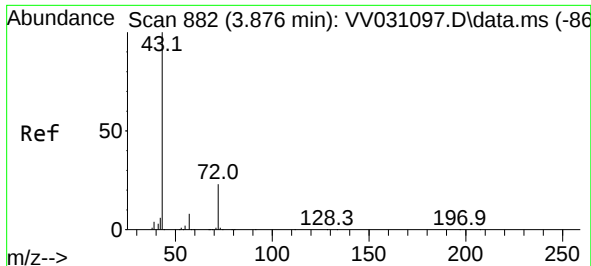
Ion Ratio Lower Upper

96 100

61 137.4 89.2 165.6

98 57.1 43.0 80.0

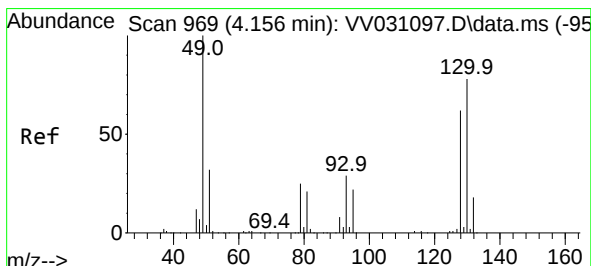
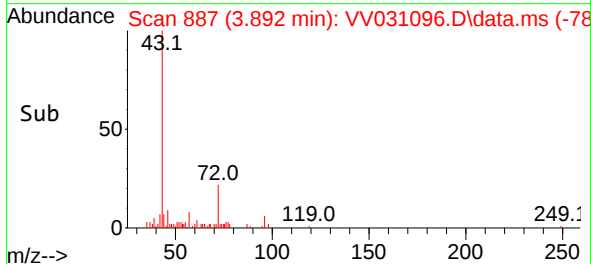
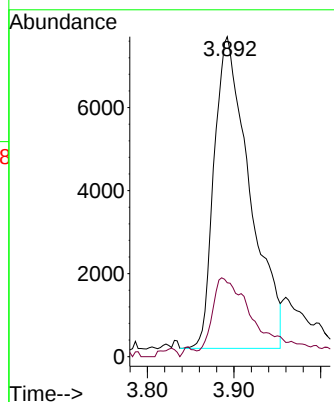
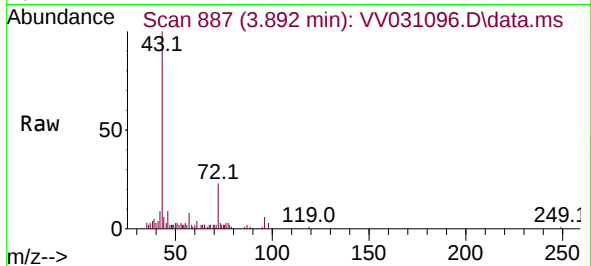




#22
2-Butanone
Concen: 13.679 ug/L
RT: 3.892 min Scan# 81
Delta R.T. 0.016 min
Lab File: VV031096.D
Acq: 19 May 2023 09:53

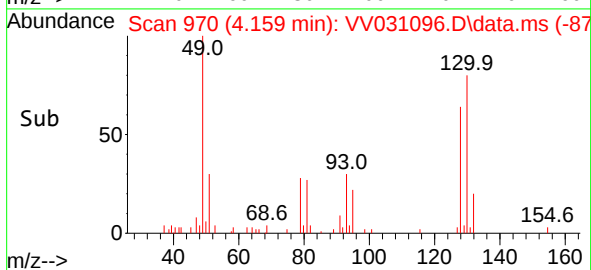
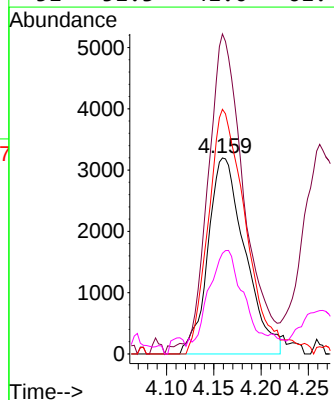
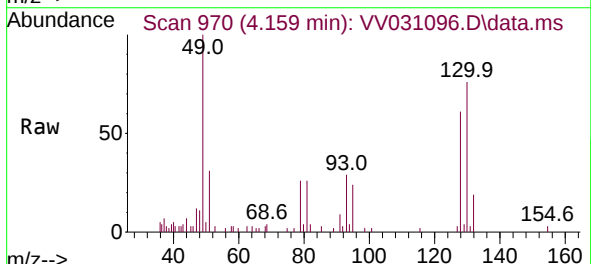
Instrument :
MSVOA_V
ClientSampleId :
VSTD010222

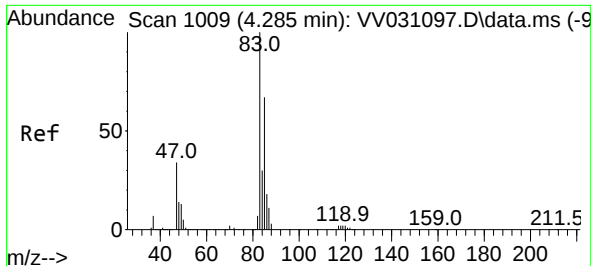
Tgt Ion: 43 Resp: 21433
Ion Ratio Lower Upper
43 100
72 15.0 11.9 35.7



#23
Bromochloromethane
Concen: 8.516 ug/L
RT: 4.159 min Scan# 970
Delta R.T. 0.003 min
Lab File: VV031096.D
Acq: 19 May 2023 09:53

Tgt Ion: 128 Resp: 8715
Ion Ratio Lower Upper
128 100
49 163.2 113.2 210.2
130 124.8 87.5 162.5
51 51.3 41.0 61.4

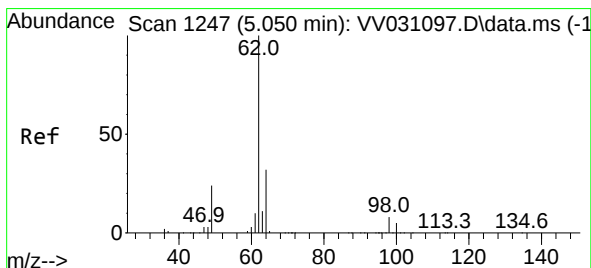
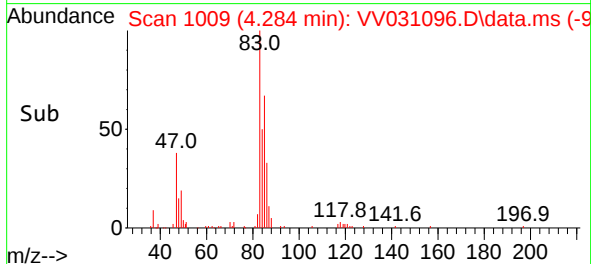
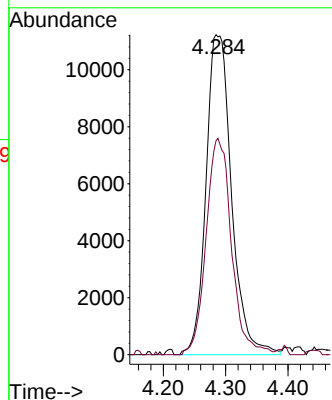
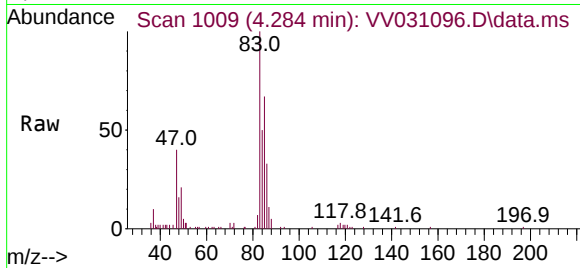




#25
Chloroform
Concen: 8.916 ug/L
RT: 4.284 min Scan# 1009
Delta R.T. -0.000 min
Lab File: VV031096.D
Acq: 19 May 2023 09:53

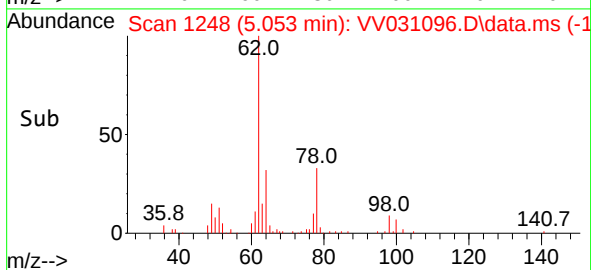
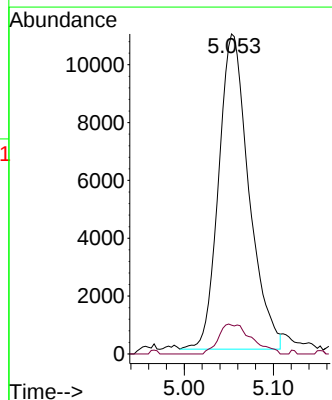
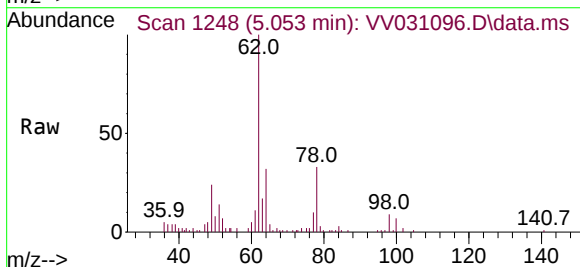
Instrument :
MSVOA_V
ClientSampleId :
VSTD010222

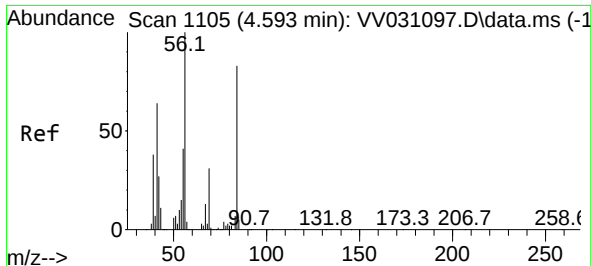
Tgt Ion: 83 Resp: 31995
Ion Ratio Lower Upper
83 100
85 66.9 47.3 87.9



#27
1,2-Dichloroethane
Concen: 8.419 ug/L
RT: 5.053 min Scan# 1248
Delta R.T. 0.003 min
Lab File: VV031096.D
Acq: 19 May 2023 09:53

Tgt Ion: 62 Resp: 25723
Ion Ratio Lower Upper
62 100
98 9.0 6.3 9.5





#29

Cyclohexane

Concen: 6.279 ug/L

RT: 4.596 min Scan# 1106

Delta R.T. 0.003 min

Lab File: VV031096.D

Acq: 19 May 2023 09:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD010222

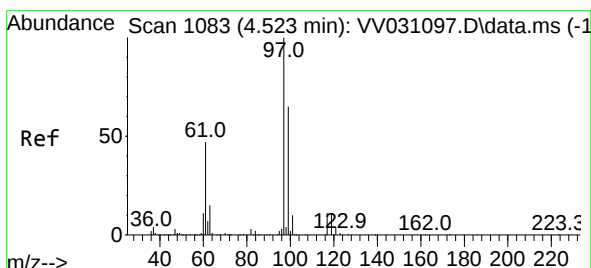
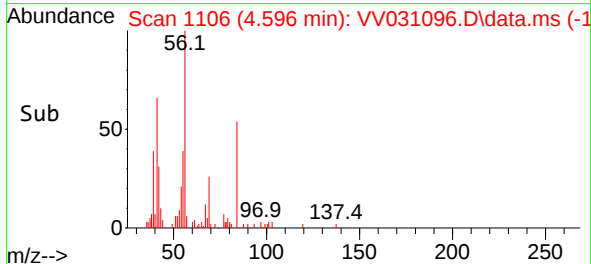
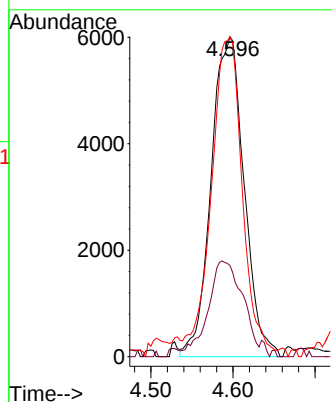
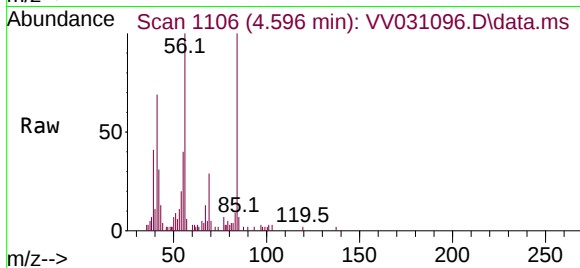
Tgt Ion: 56 Resp: 16785

Ion Ratio Lower Upper

56 100

69 31.3 25.1 37.7

84 94.1 71.5 107.3



#30

1,1,1-Trichloroethane

Concen: 8.934 ug/L

RT: 4.522 min Scan# 1083

Delta R.T. -0.000 min

Lab File: VV031096.D

Acq: 19 May 2023 09:53

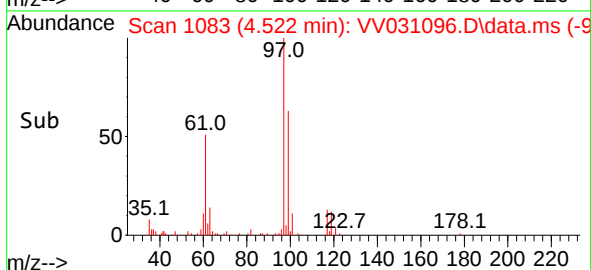
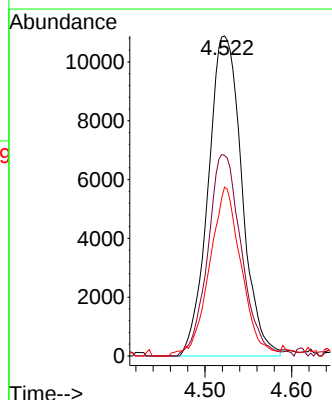
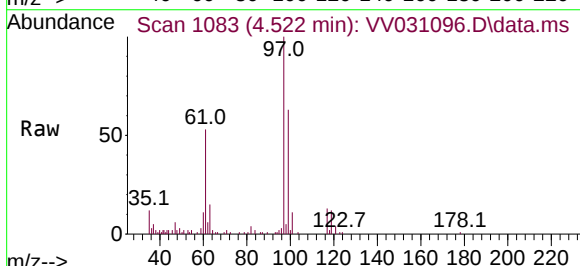
Tgt Ion: 97 Resp: 29384

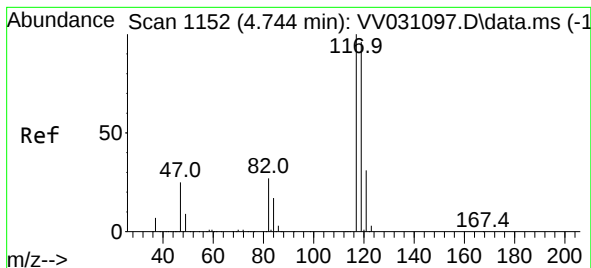
Ion Ratio Lower Upper

97 100

99 62.5 51.9 77.9

61 48.6 38.2 57.2





#31

Carbon tetrachloride

Concen: 8.715 ug/L

RT: 4.744 min Scan# 1152

Delta R.T. -0.000 min

Lab File: VV031096.D

Acq: 19 May 2023 09:53

Instrument :

MSVOA_V

ClientSampleId :

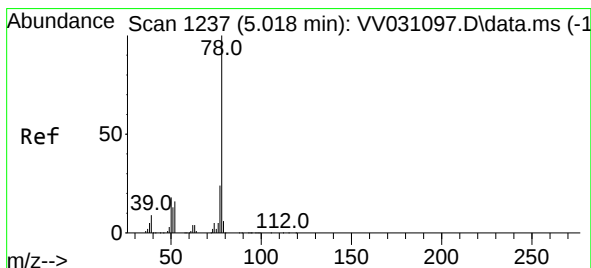
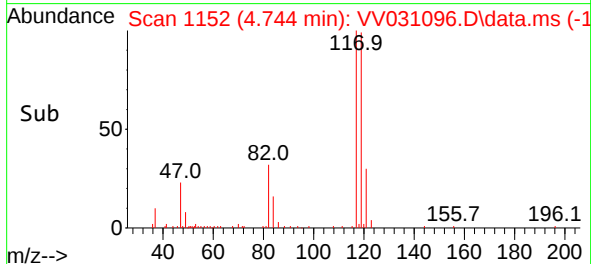
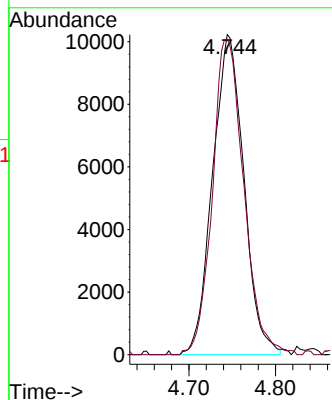
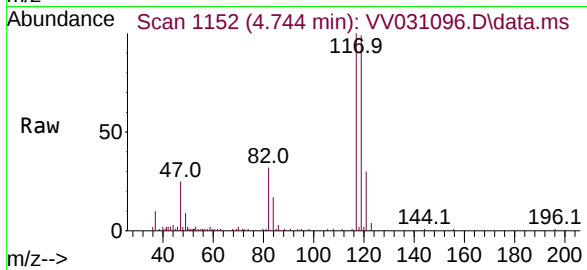
VSTD010222

Tgt Ion:117 Resp: 25571

Ion Ratio Lower Upper

117 100

119 95.1 76.9 115.3



#33

Benzene

Concen: 7.588 ug/L

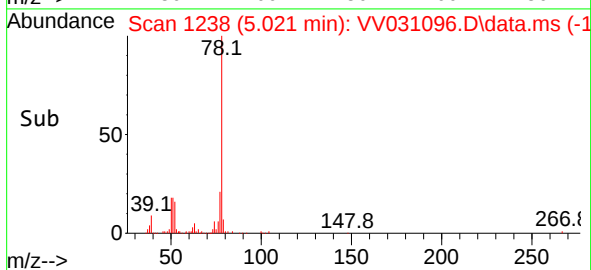
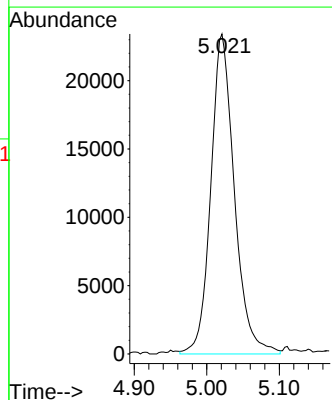
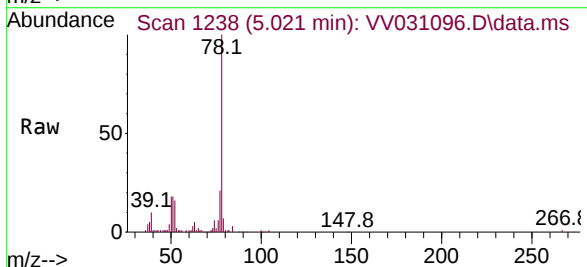
RT: 5.021 min Scan# 1238

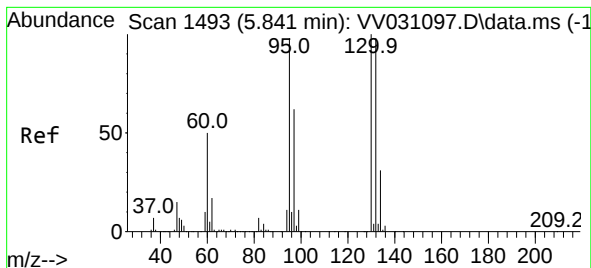
Delta R.T. 0.003 min

Lab File: VV031096.D

Acq: 19 May 2023 09:53

Tgt Ion: 78 Resp: 52937





#34

Trichloroethene

Concen: 8.369 ug/L

RT: 5.844 min Scan# 1493

Delta R.T. 0.003 min

Lab File: VV031096.D

Acq: 19 May 2023 09:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD010222

Tgt Ion: 95 Resp: 15217

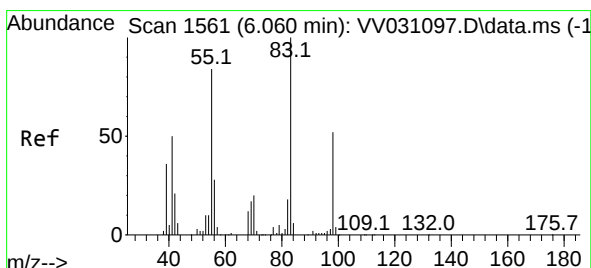
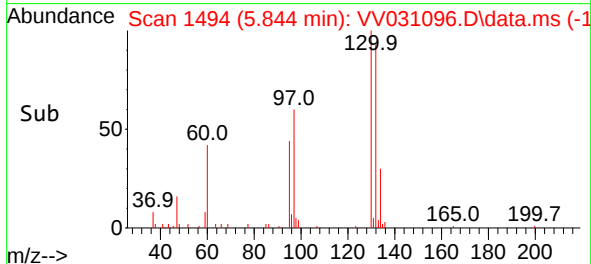
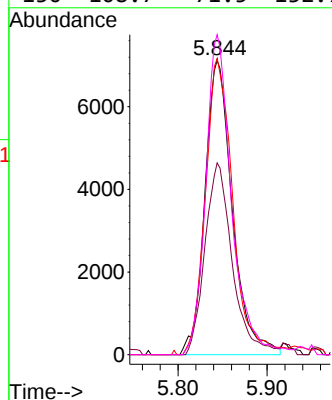
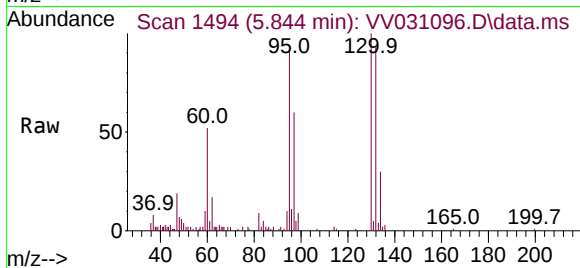
Ion Ratio Lower Upper

95 100

97 65.1 44.4 82.5

132 100.6 70.2 130.4

130 108.7 71.5 132.7



#35

Methylcyclohexane

Concen: 6.253 ug/L

RT: 6.059 min Scan# 1561

Delta R.T. -0.000 min

Lab File: VV031096.D

Acq: 19 May 2023 09:53

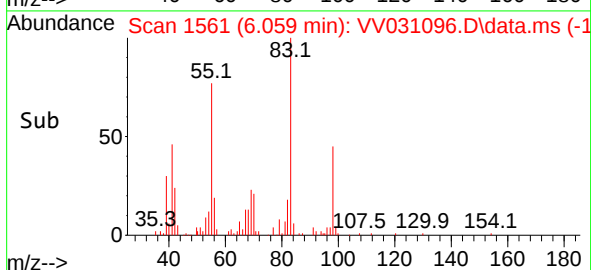
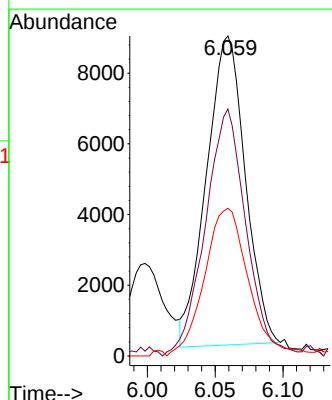
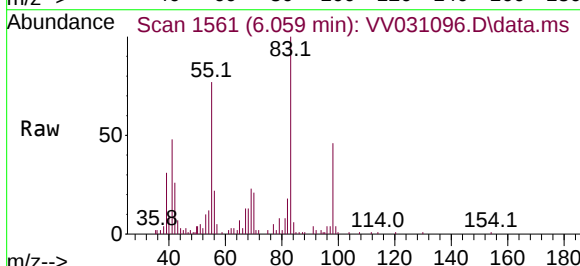
Tgt Ion: 83 Resp: 17399

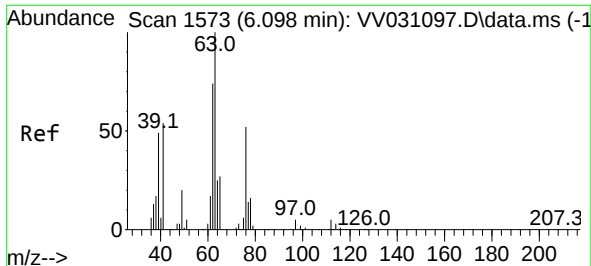
Ion Ratio Lower Upper

83 100

55 83.7 64.2 96.2

98 54.5 40.0 60.0





#37

1,2-Dichloropropane

Concen: 3.596 ug/L

RT: 6.098 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV031096.D

Acq: 19 May 2023 09:53

Instrument :

MSVOA_V

ClientSampleId :

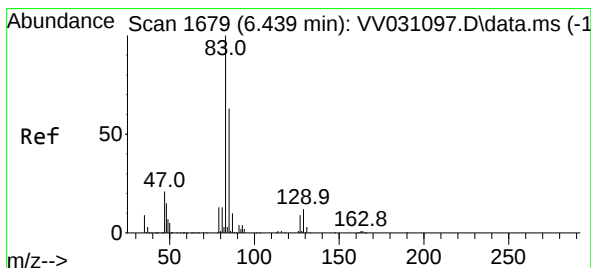
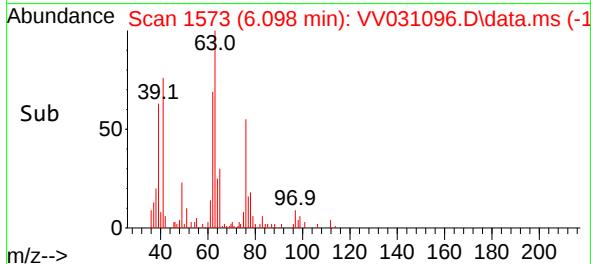
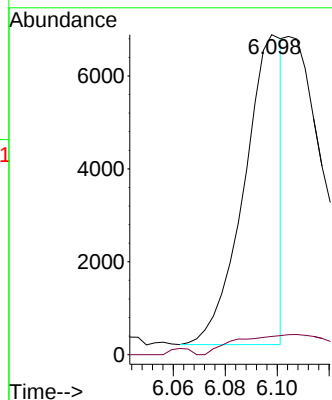
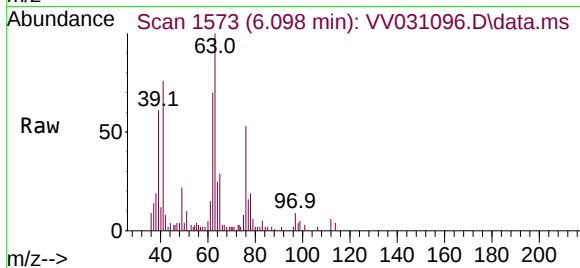
VSTD010222

Tgt Ion: 63 Resp: 6778

Ion Ratio Lower Upper

63 100

112 16.4 4.3 6.5#



#38

Bromodichloromethane

Concen: 8.828 ug/L

RT: 6.442 min Scan# 1680

Delta R.T. 0.003 min

Lab File: VV031096.D

Acq: 19 May 2023 09:53

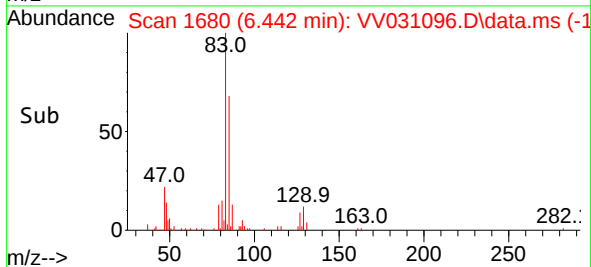
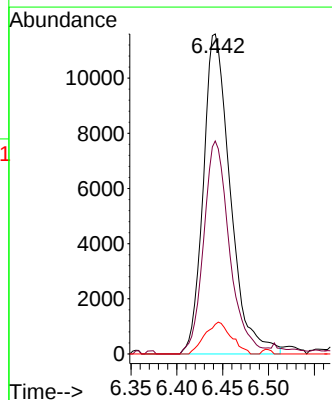
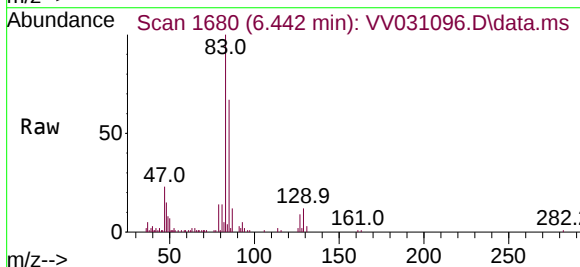
Tgt Ion: 83 Resp: 23810

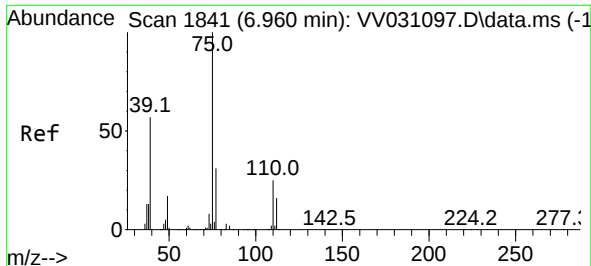
Ion Ratio Lower Upper

83 100

85 66.6 44.0 81.6

127 9.2 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 7.389 ug/L

RT: 6.963 min Scan# 1841

Delta R.T. 0.003 min

Lab File: VV031096.D

Acq: 19 May 2023 09:53

Instrument :

MSVOA_V

ClientSampleId :

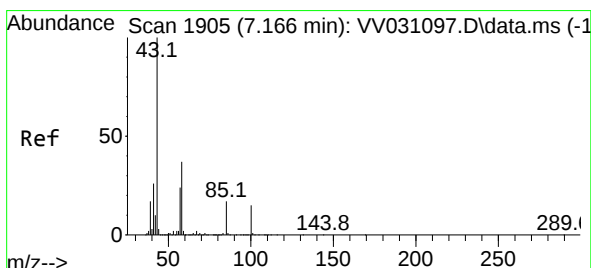
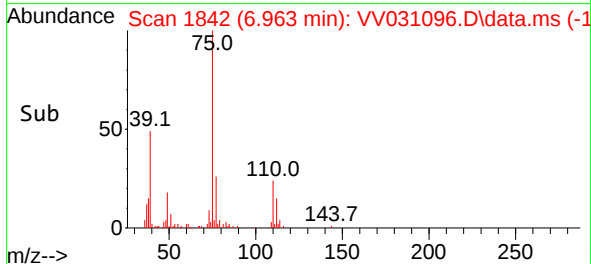
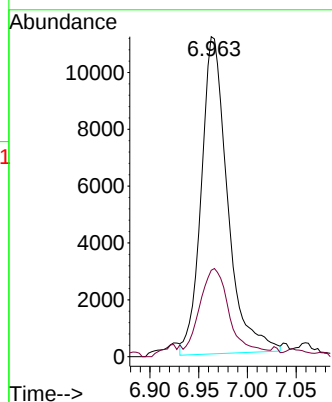
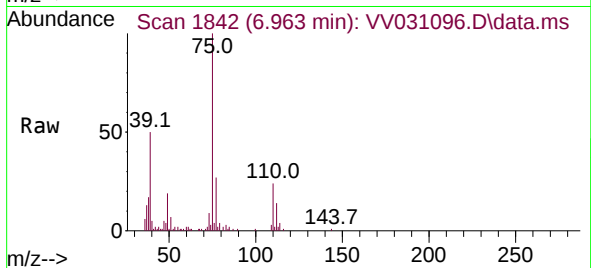
VSTD010222

Tgt Ion: 75 Resp: 20949

Ion Ratio Lower Upper

75 100

77 27.0 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 14.783 ug/L

RT: 7.169 min Scan# 1906

Delta R.T. 0.003 min

Lab File: VV031096.D

Acq: 19 May 2023 09:53

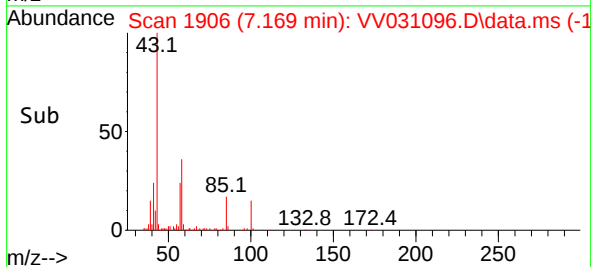
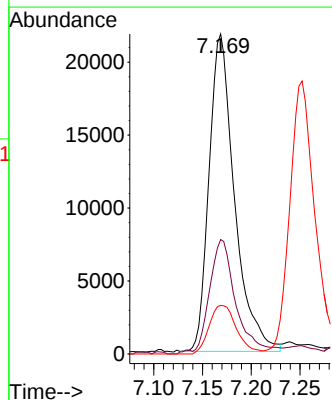
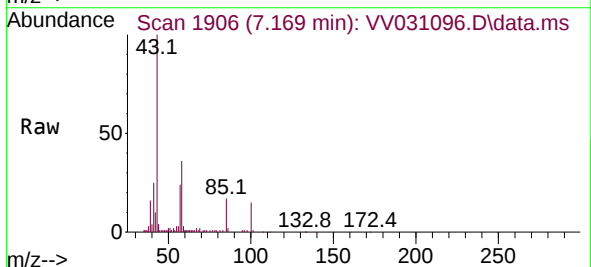
Tgt Ion: 43 Resp: 39510

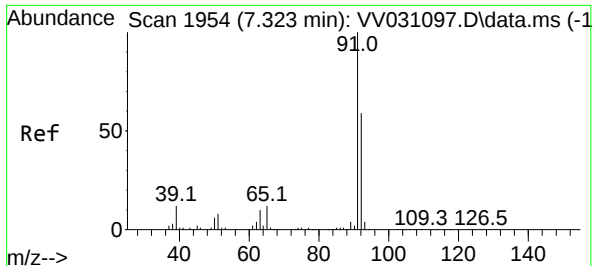
Ion Ratio Lower Upper

43 100

58 35.0 29.0 43.4

100 16.5 12.2 18.4

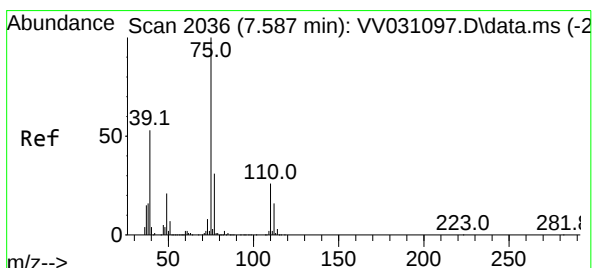
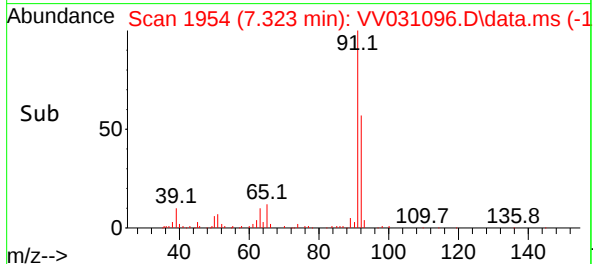
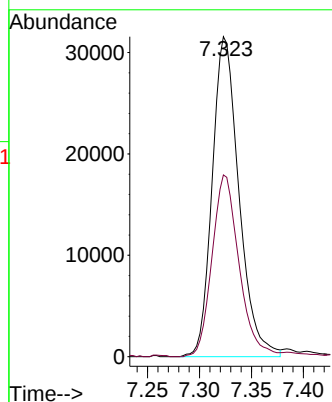
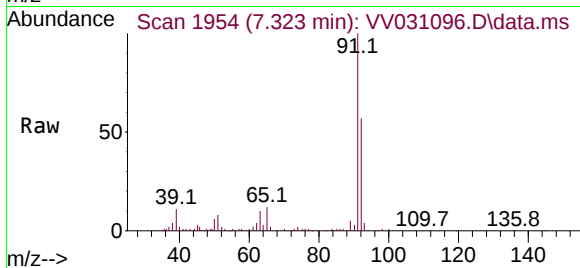




#42
Toluene
Concen: 7.573 ug/L
RT: 7.323 min Scan# 1954
Delta R.T. -0.000 min
Lab File: VV031096.D
Acq: 19 May 2023 09:53

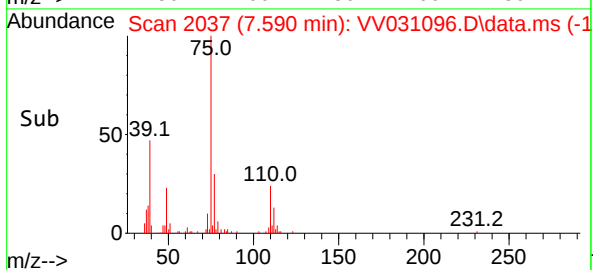
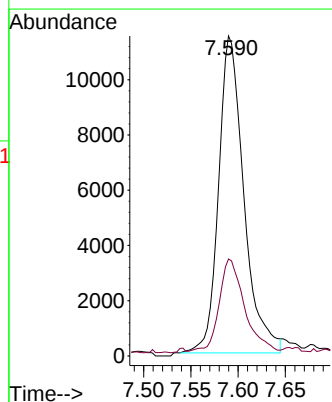
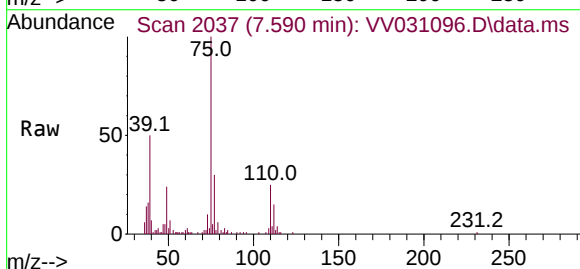
Instrument : MSVOA_V
ClientSampleId : VSTD010222

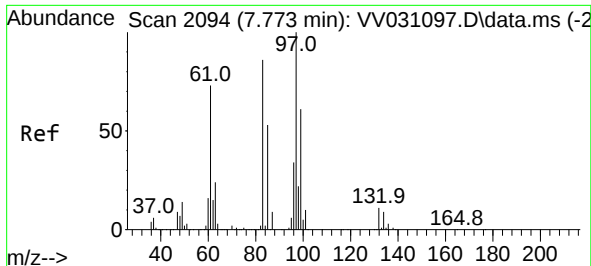
Tgt Ion: 91 Resp: 56496
Ion Ratio Lower Upper
91 100
92 56.8 40.9 76.0



#44
trans-1,3-Dichloropropene
Concen: 7.596 ug/L
RT: 7.590 min Scan# 2037
Delta R.T. 0.003 min
Lab File: VV031096.D
Acq: 19 May 2023 09:53

Tgt Ion: 75 Resp: 21333
Ion Ratio Lower Upper
75 100
77 30.3 22.2 41.2

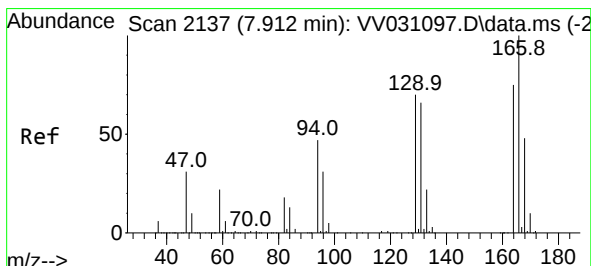
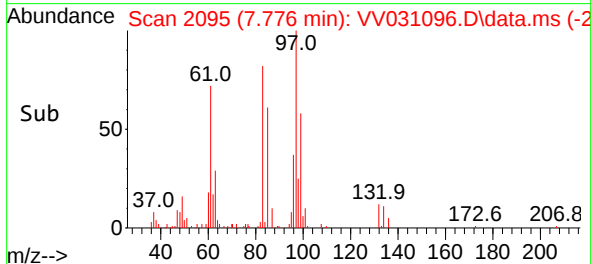
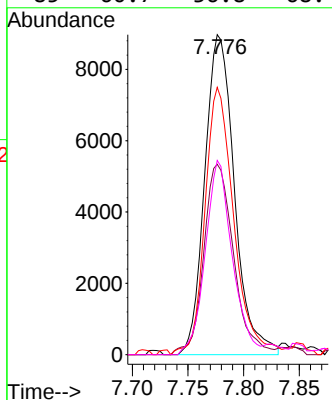
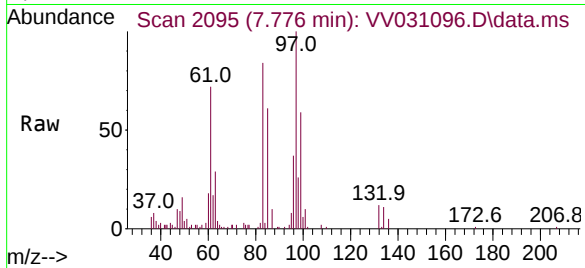




#45
1,1,2-Trichloroethane
Concen: 8.677 ug/L
RT: 7.776 min Scan# 2094
Delta R.T. 0.003 min
Lab File: VV031096.D
Acq: 19 May 2023 09:53

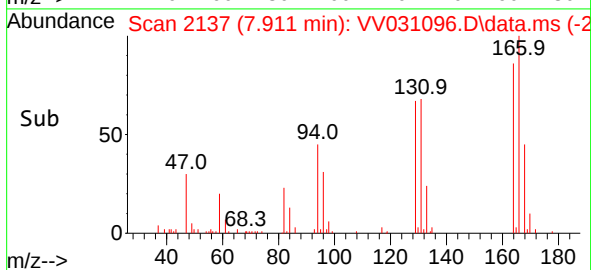
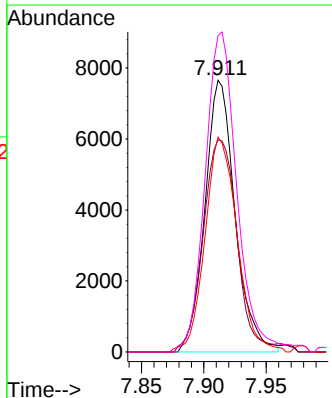
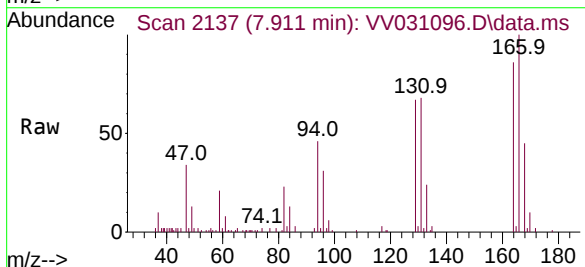
Instrument :
MSVOA_V
ClientSampleId :
VSTD010222

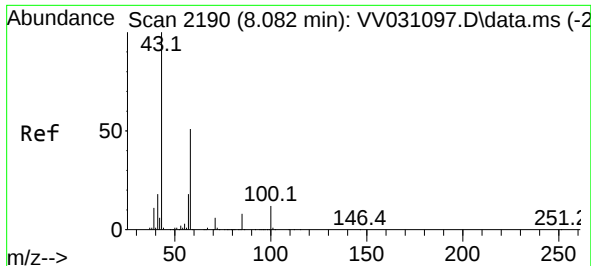
Tgt Ion: 97	Resp: 16664
Ion Ratio	Lower Upper
97 100	
99 59.5	43.2 80.2
83 83.6	60.5 112.3
85 60.7	36.8 68.4



#46
Tetrachloroethene
Concen: 8.141 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. -0.000 min
Lab File: VV031096.D
Acq: 19 May 2023 09:53

Tgt	Ion:164	Resp:	12912
Ion	Ratio	Lower	Upper
164	100		
129	78.1	65.5	121.7
131	79.0	62.1	115.3
166	116.4	93.4	173.4

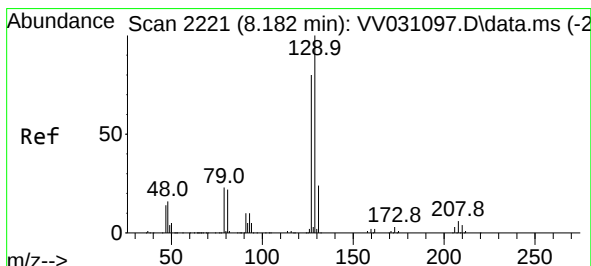
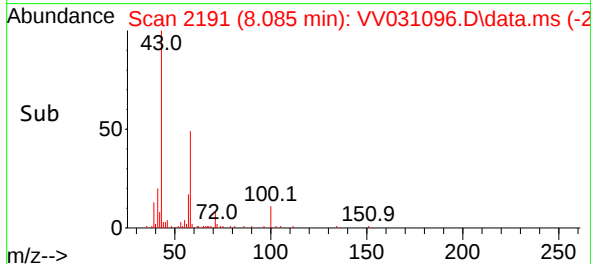
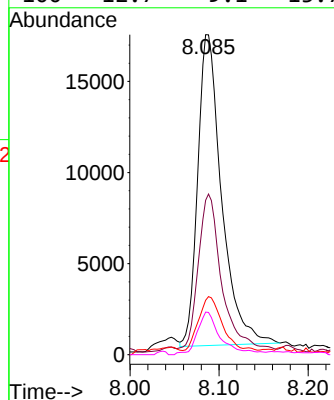
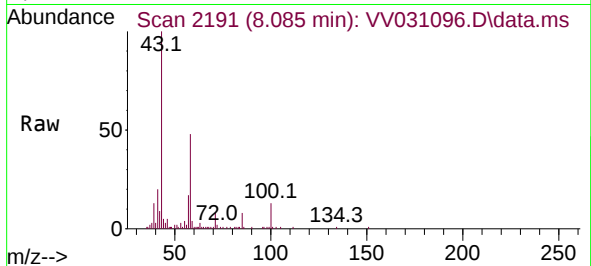




#48
2-Hexanone
Concen: 14.373 ug/L
RT: 8.085 min Scan# 2190
Delta R.T. 0.003 min
Lab File: VV031096.D
Acq: 19 May 2023 09:53

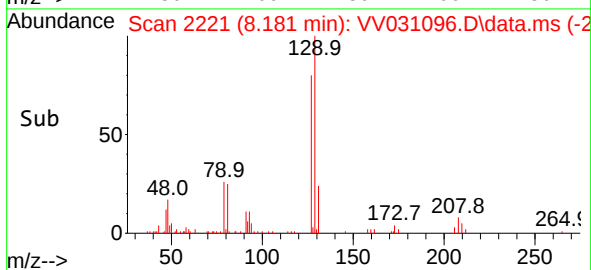
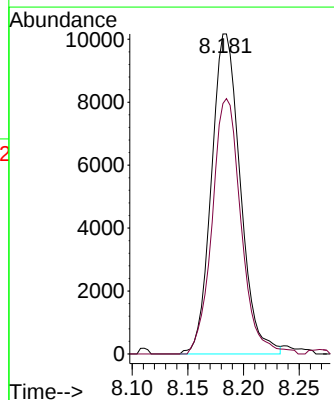
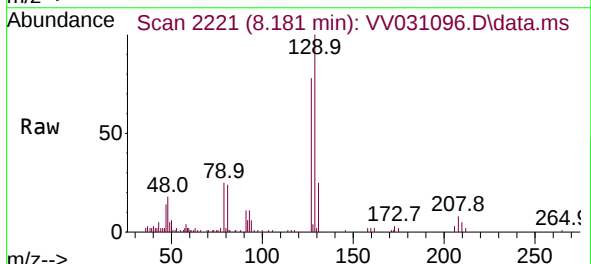
Instrument :
MSVOA_V
ClientSampleId :
VSTD010222

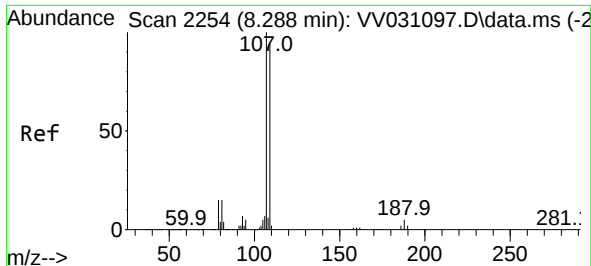
Tgt Ion:	43	Resp:	31932
Ion	Ratio	Lower	Upper
43	100		
58	50.1	39.8	59.6
57	17.0	14.4	21.6
100	12.7	9.1	13.7



#49
Dibromochloromethane
Concen: 8.668 ug/L
RT: 8.181 min Scan# 2221
Delta R.T. -0.000 min
Lab File: VV031096.D
Acq: 19 May 2023 09:53

Tgt Ion:	129	Resp:	18380
Ion	Ratio	Lower	Upper
129	100		
127	78.3	56.1	104.1





#50

1,2-Dibromoethane

Concen: 7.972 ug/L

RT: 8.291 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV031096.D

Acq: 19 May 2023 09:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD010222

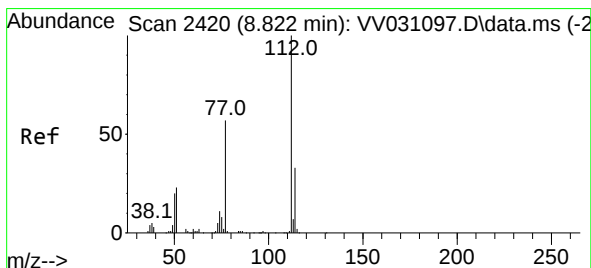
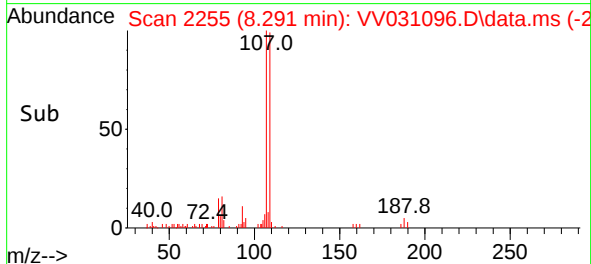
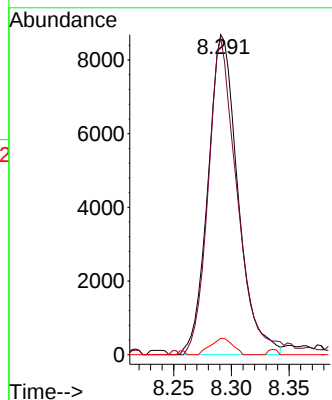
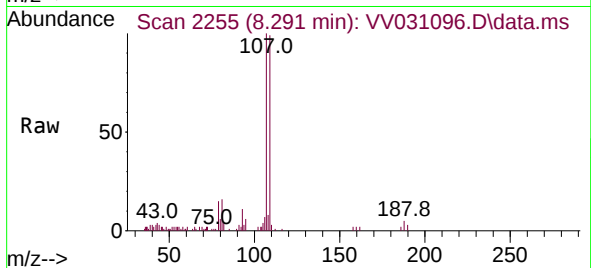
Tgt Ion:107 Resp: 15684

Ion Ratio Lower Upper

107 100

109 98.9 65.6 121.8

188 5.1 3.8 5.6



#51

Chlorobenzene

Concen: 8.422 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. -0.000 min

Lab File: VV031096.D

Acq: 19 May 2023 09:53

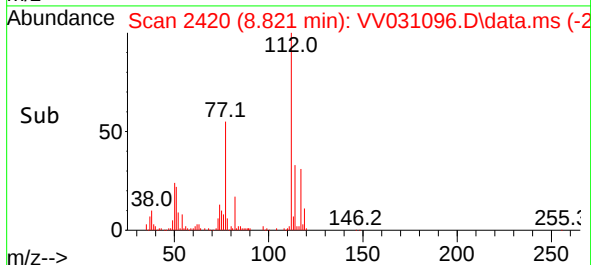
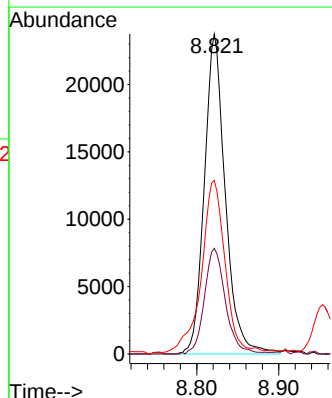
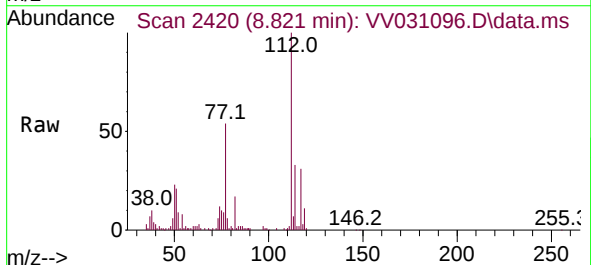
Tgt Ion:112 Resp: 42205

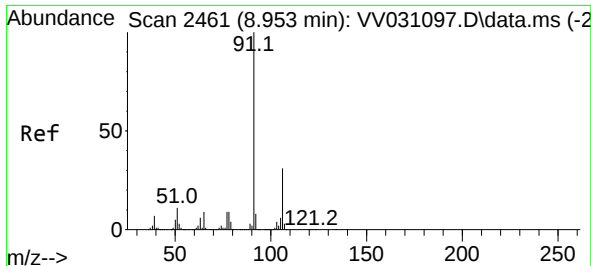
Ion Ratio Lower Upper

112 100

114 33.0 23.0 42.8

77 54.3 46.2 69.4





#52

Ethylbenzene

Concen: 7.321 ug/L

RT: 8.953 min Scan# 2461

Delta R.T. -0.000 min

Lab File: VV031096.D

Acq: 19 May 2023 09:53

Instrument :

MSVOA_V

ClientSampleId :

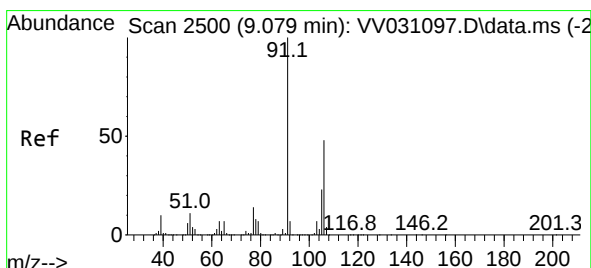
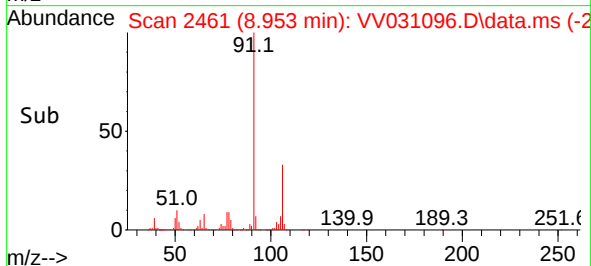
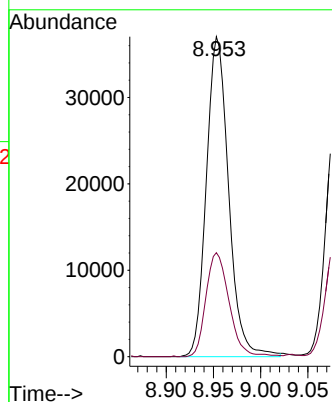
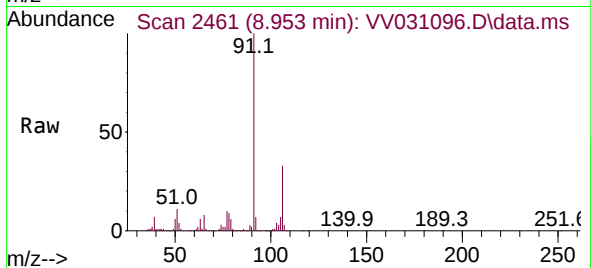
VSTD010222

Tgt Ion: 91 Resp: 60730

Ion Ratio Lower Upper

91 100

106 32.5 21.5 39.9



#53

m,p-Xylene

Concen: 7.570 ug/L

RT: 9.082 min Scan# 2501

Delta R.T. 0.003 min

Lab File: VV031096.D

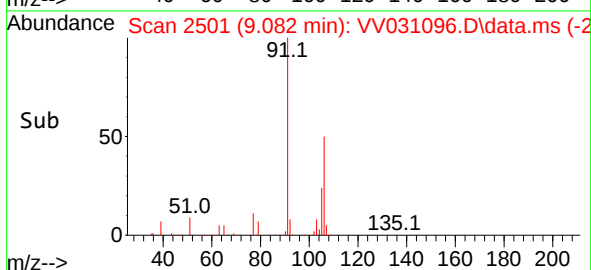
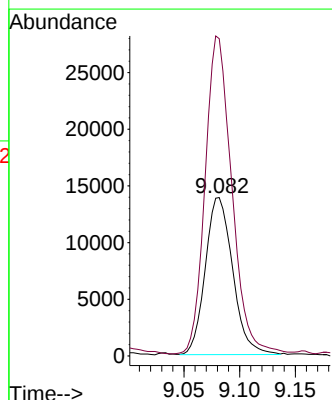
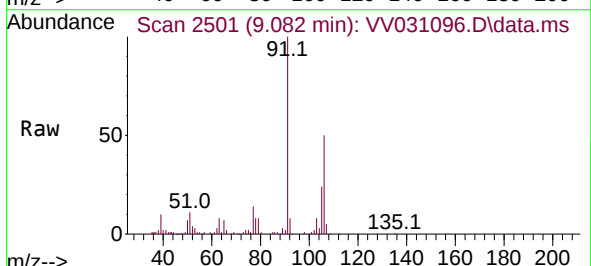
Acq: 19 May 2023 09:53

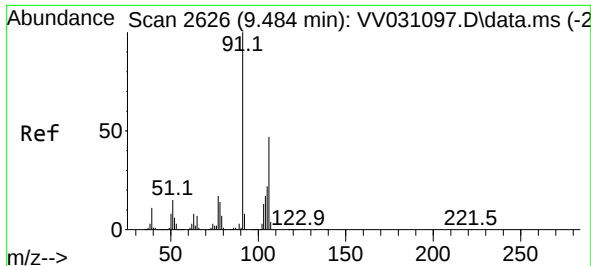
Tgt Ion: 106 Resp: 23764

Ion Ratio Lower Upper

106 100

91 200.4 145.3 269.8

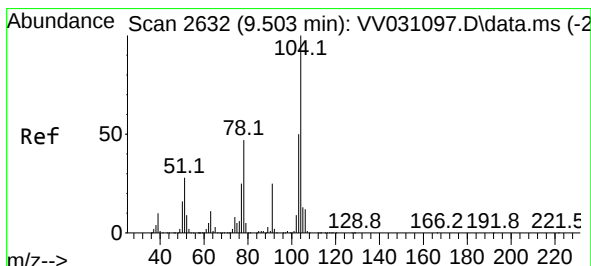
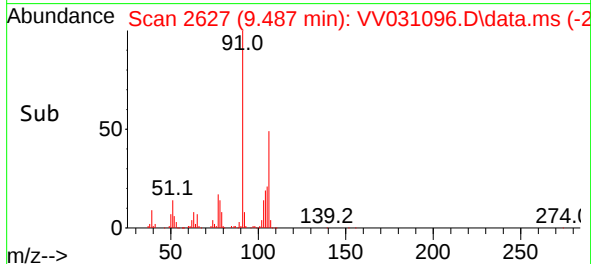
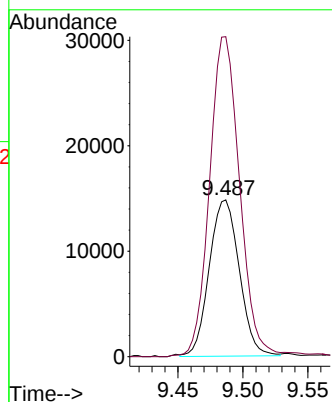
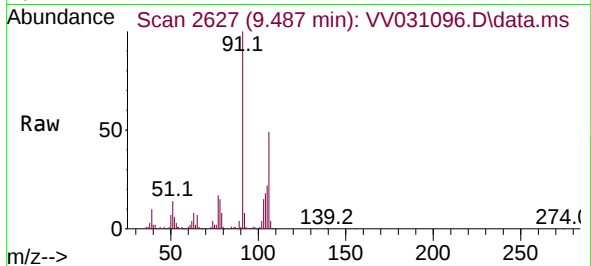




#54
o-Xylene
Concen: 7.726 ug/L
RT: 9.487 min Scan# 2626
Delta R.T. 0.003 min
Lab File: VV031096.D
Acq: 19 May 2023 09:53

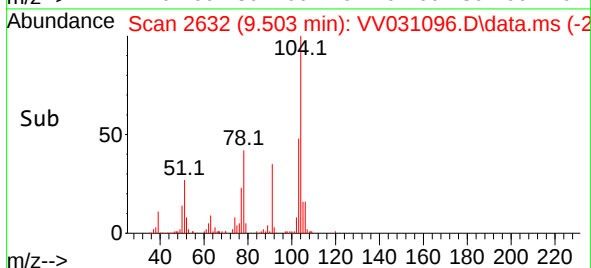
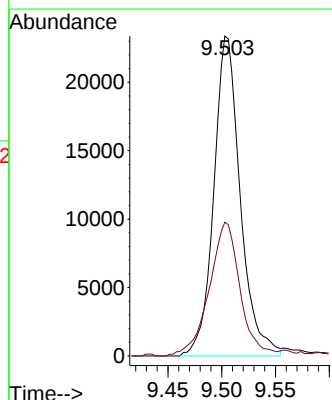
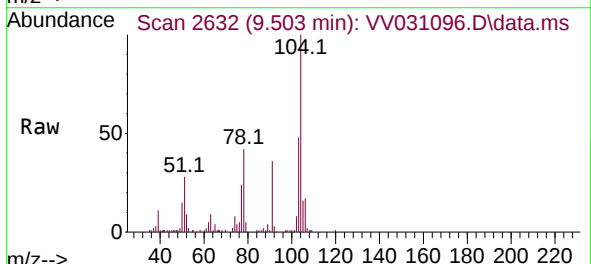
Instrument :
MSVOA_V
ClientSampleId :
VSTD010222

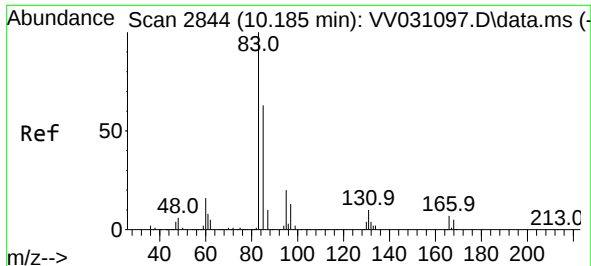
Tgt Ion:106 Resp: 23832
Ion Ratio Lower Upper
106 100
91 204.1 150.4 279.2



#55
Styrene
Concen: 7.408 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. -0.000 min
Lab File: VV031096.D
Acq: 19 May 2023 09:53

Tgt Ion:104 Resp: 40032
Ion Ratio Lower Upper
104 100
78 41.8 33.2 61.6

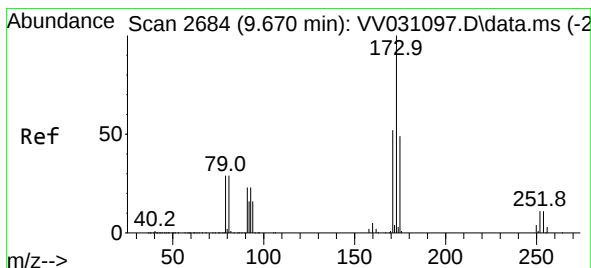
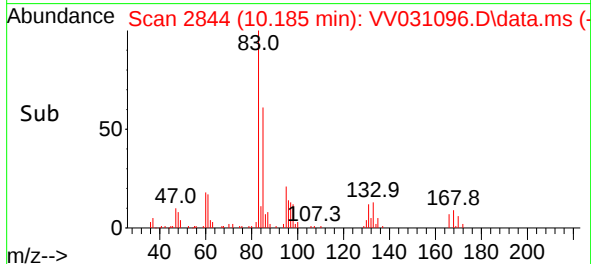
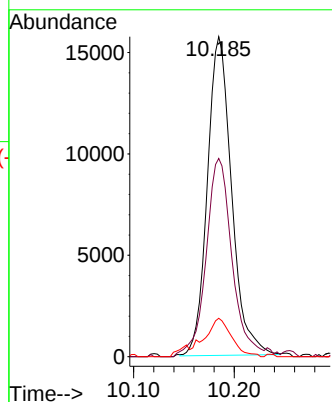
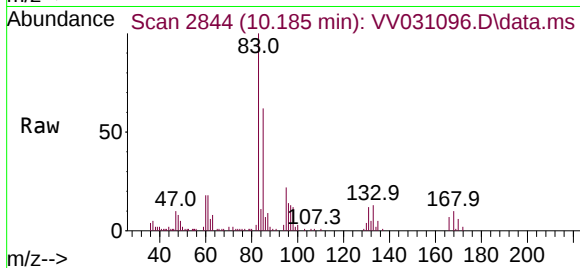




#57
1,1,2,2-Tetrachloroethane
Concen: 8.366 ug/L
RT: 10.185 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV031096.D
Acq: 19 May 2023 09:53

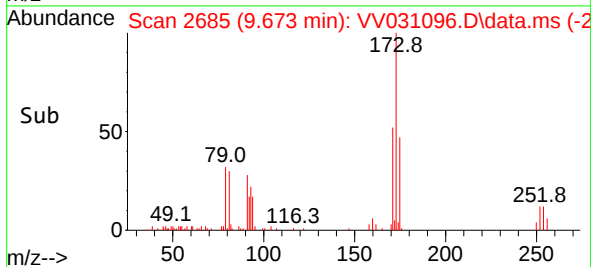
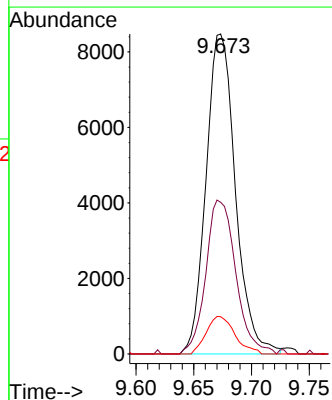
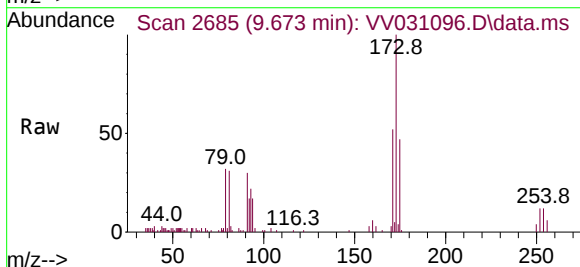
Instrument :
MSVOA_V
ClientSampleId :
VSTD010222

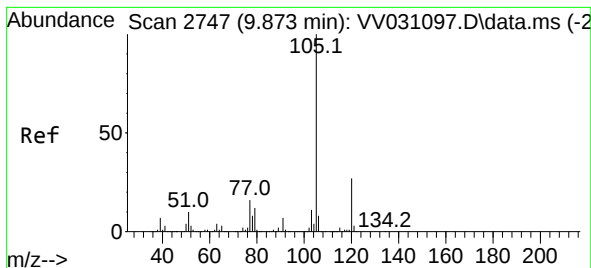
Tgt Ion:	83	Resp:	26375
Ion	Ratio	Lower	Upper
83	100		
85	61.9	45.0	83.6
131	12.0	9.2	13.8



#59
Bromoform
Concen: 9.321 ug/L
RT: 9.673 min Scan# 2685
Delta R.T. 0.003 min
Lab File: VV031096.D
Acq: 19 May 2023 09:53

Tgt Ion:	173	Resp:	15033
Ion	Ratio	Lower	Upper
173	100		
175	49.0	38.8	58.2
254	11.4	8.8	13.2





#60

Isopropylbenzene

Concen: 8.105 ug/L

RT: 9.873 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV031096.D

Acq: 19 May 2023 09:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD010222

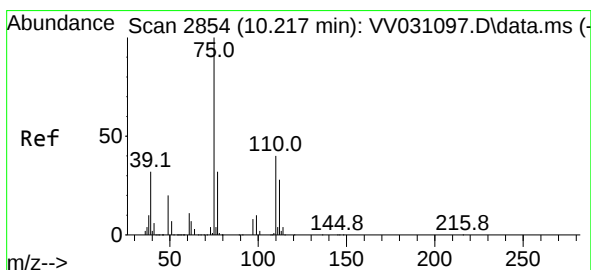
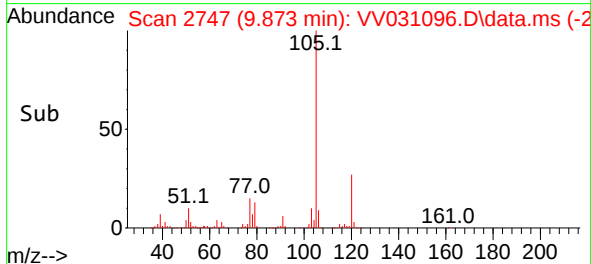
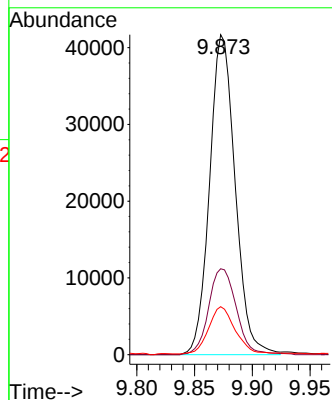
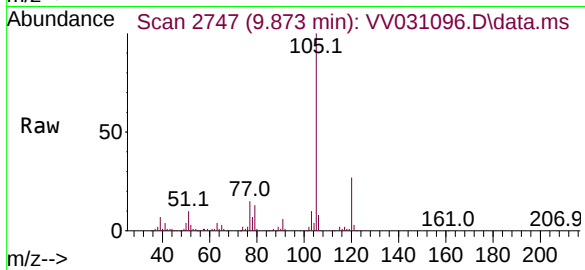
Tgt Ion:105 Resp: 64205

Ion Ratio Lower Upper

105 100

120 29.1 21.4 32.0

77 15.1 13.0 19.6



#61

1,2,3-Trichloropropane

Concen: 8.386 ug/L

RT: 10.217 min Scan# 2854

Delta R.T. -0.000 min

Lab File: VV031096.D

Acq: 19 May 2023 09:53

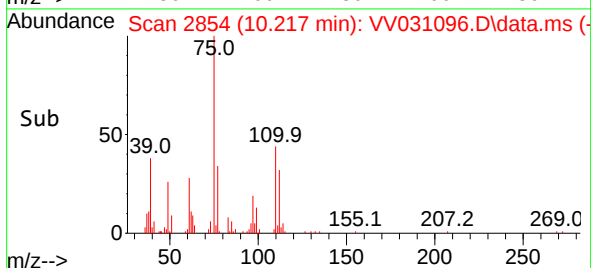
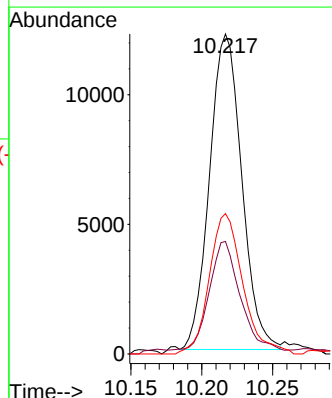
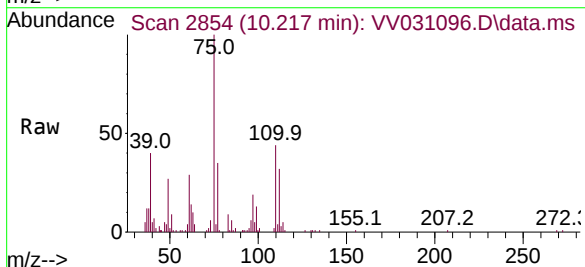
Tgt Ion: 75 Resp: 19293

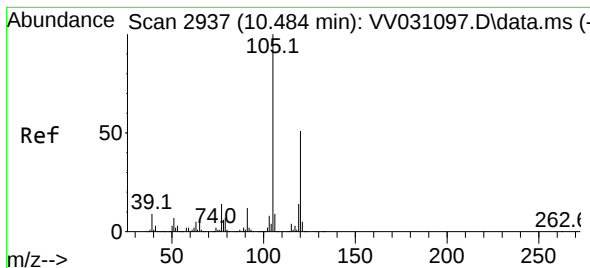
Ion Ratio Lower Upper

75 100

77 32.6 25.5 38.3

110 46.1 32.5 48.7

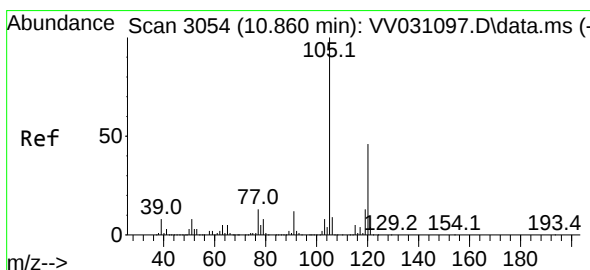
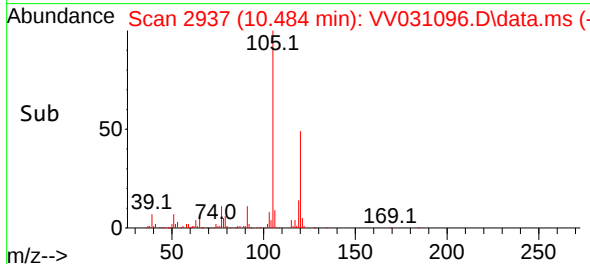
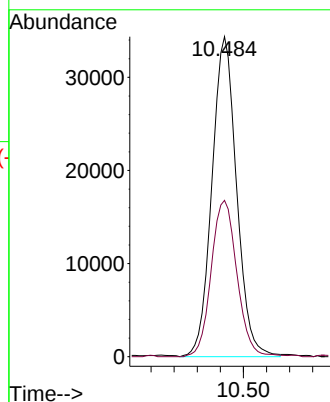
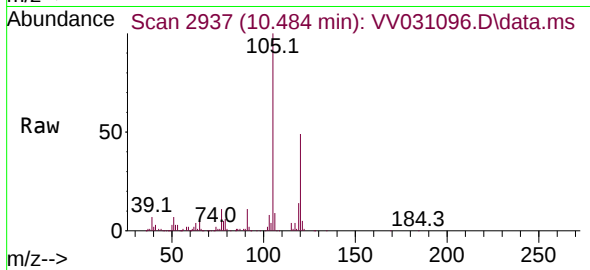




#62
 1,3,5-Trimethylbenzene
 Concen: 7.839 ug/L
 RT: 10.484 min Scan# 2937
 Delta R.T. -0.000 min
 Lab File: VV031096.D
 Acq: 19 May 2023 09:53

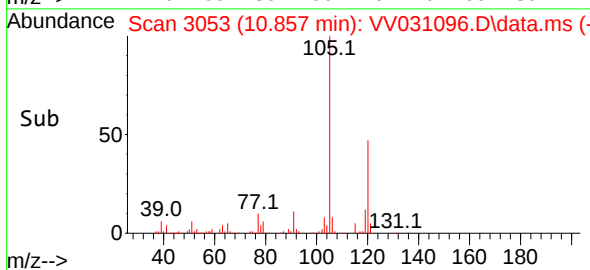
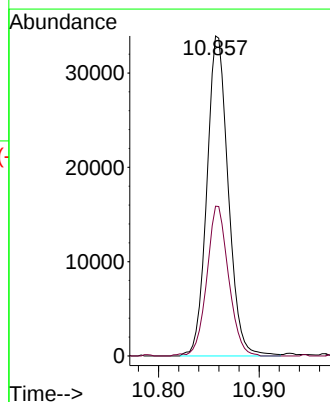
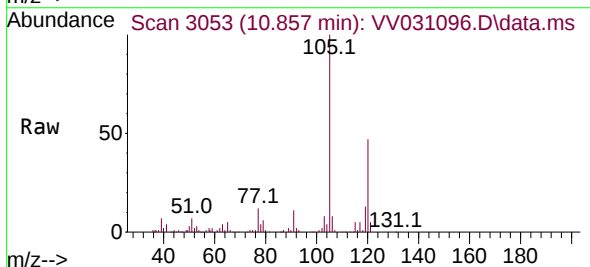
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010222

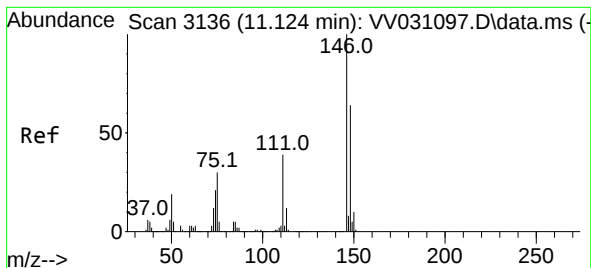
Tgt Ion:105 Resp: 50969
 Ion Ratio Lower Upper
 105 100
 120 50.9 40.5 60.7



#63
 1,2,4-Trimethylbenzene
 Concen: 7.741 ug/L
 RT: 10.857 min Scan# 3053
 Delta R.T. -0.003 min
 Lab File: VV031096.D
 Acq: 19 May 2023 09:53

Tgt Ion:105 Resp: 50071
 Ion Ratio Lower Upper
 105 100
 120 47.4 37.5 56.3





#64

1,3-Dichlorobenzene

Concen: 8.536 ug/L

RT: 11.123 min Scan# 3136

Delta R.T. -0.000 min

Lab File: VV031096.D

Acq: 19 May 2023 09:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD010222

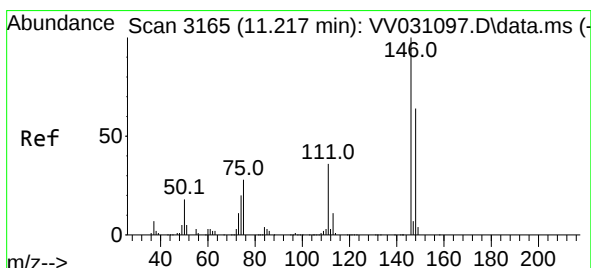
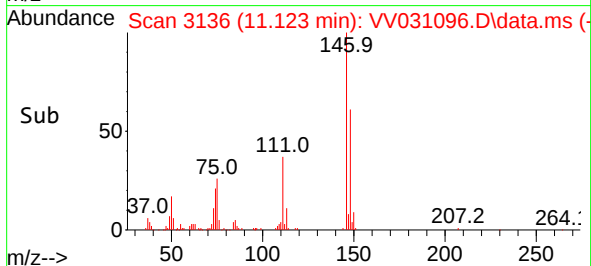
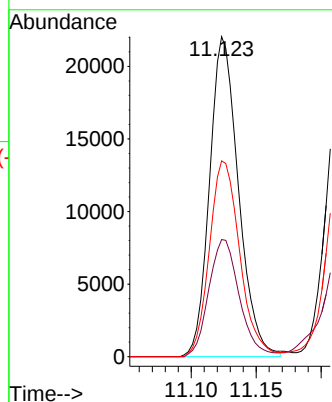
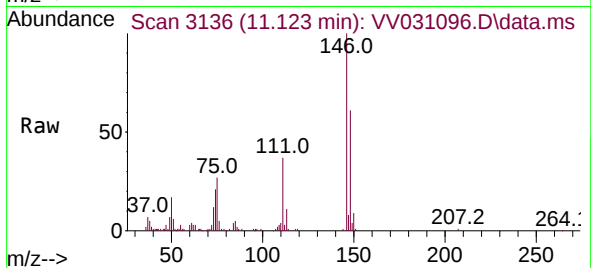
Tgt Ion:146 Resp: 34098

Ion Ratio Lower Upper

146 100

111 36.6 27.2 50.4

148 61.2 44.4 82.5



#65

1,4-Dichlorobenzene

Concen: 8.647 ug/L

RT: 11.217 min Scan# 3165

Delta R.T. -0.000 min

Lab File: VV031096.D

Acq: 19 May 2023 09:53

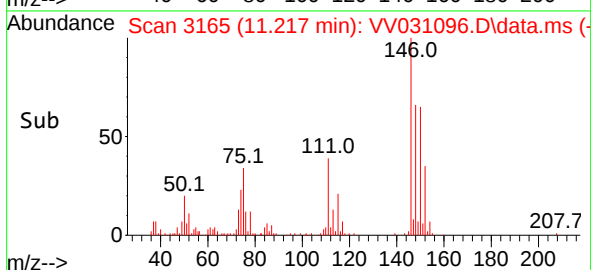
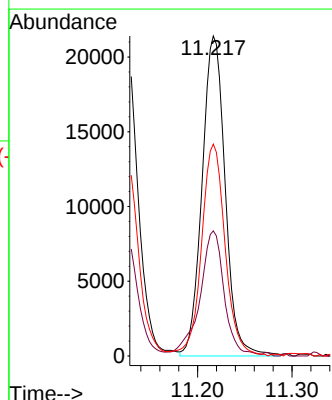
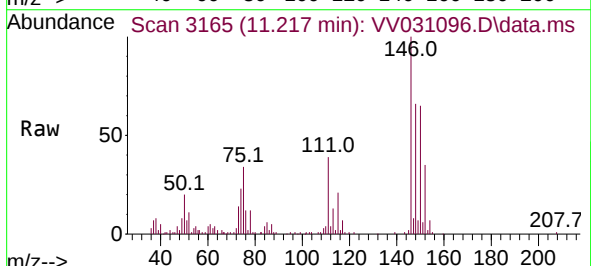
Tgt Ion:146 Resp: 36370

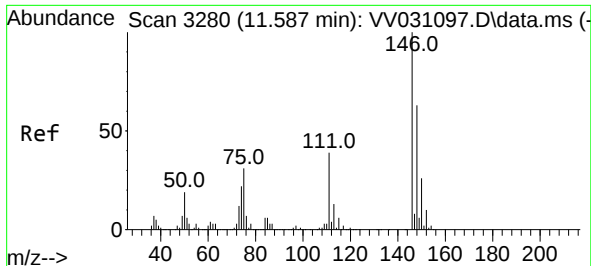
Ion Ratio Lower Upper

146 100

111 39.1 25.5 47.3

148 66.2 44.5 82.7

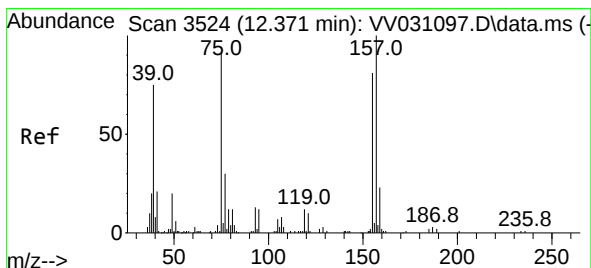
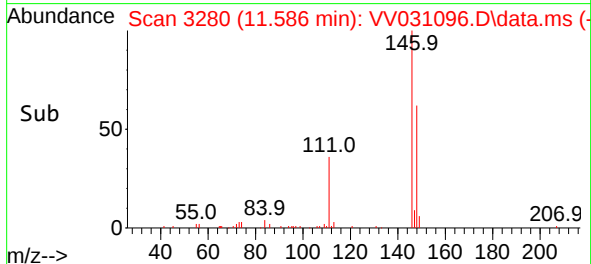
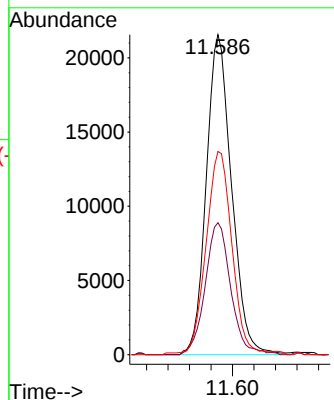
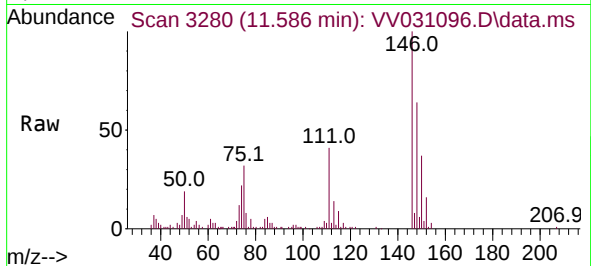




#67
1,2-Dichlorobenzene
Concen: 8.676 ug/L
RT: 11.586 min Scan# 311
Delta R.T. -0.000 min
Lab File: VV031096.D
Acq: 19 May 2023 09:53

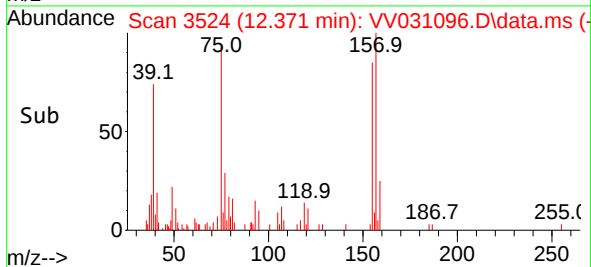
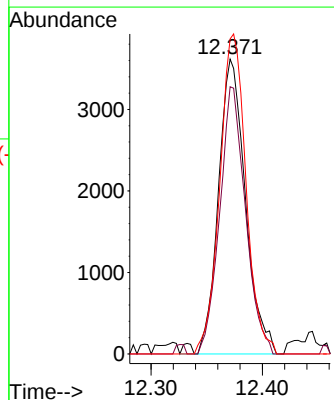
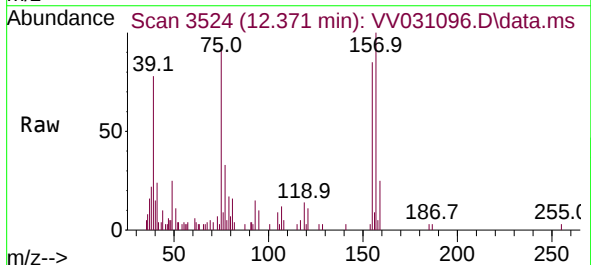
Instrument :
MSVOA_V
ClientSampleId :
VSTD010222

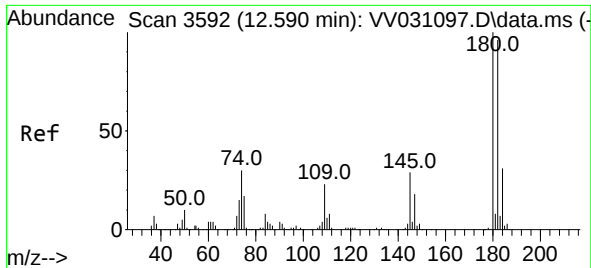
Tgt Ion:146 Resp: 35092
Ion Ratio Lower Upper
146 100
111 41.3 31.4 47.2
148 63.5 50.2 75.4



#68
1,2-Dibromo-3-chloropropane
Concen: 9.036 ug/L
RT: 12.371 min Scan# 3524
Delta R.T. -0.000 min
Lab File: VV031096.D
Acq: 19 May 2023 09:53

Tgt Ion: 75 Resp: 6140
Ion Ratio Lower Upper
75 100
155 90.7 70.9 106.3
157 106.9 88.1 132.1

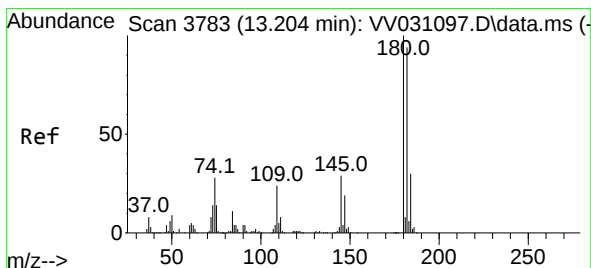
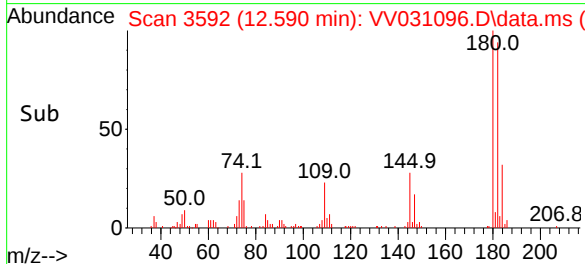
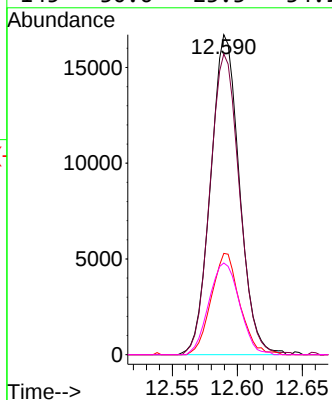
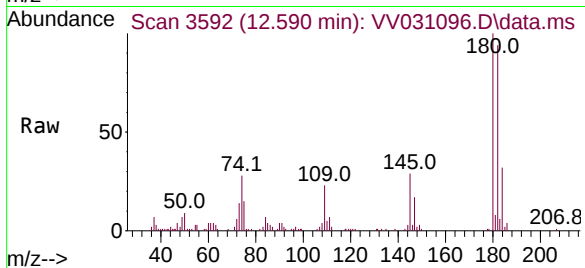




#69
 1,3,5-Trichlorobenzene
 Concen: 8.523 ug/L
 RT: 12.590 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VV031096.D
 Acq: 19 May 2023 09:53

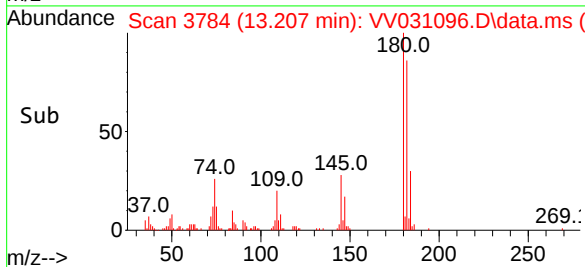
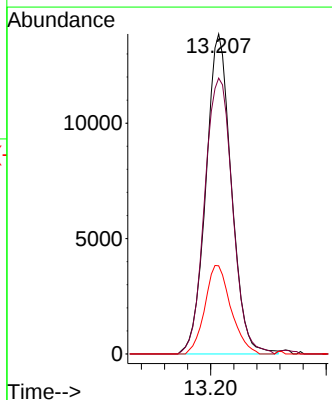
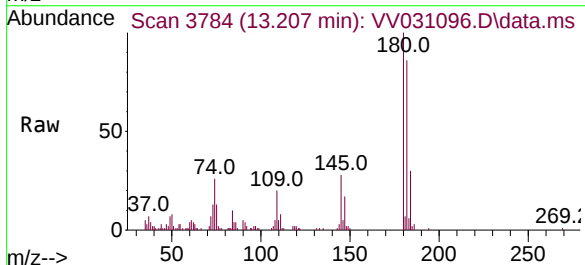
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010222

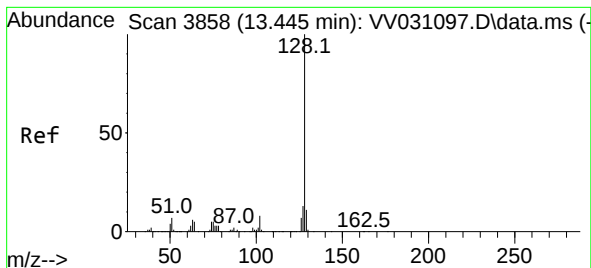
Tgt Ion:180	Resp:	25670
Ion Ratio	Lower	Upper
180	100	
182	96.3	76.6 115.0
184	31.2	24.6 37.0
145	30.6	23.3 34.9



#70
 1,2,4-trichlorobenzene
 Concen: 8.252 ug/L
 RT: 13.207 min Scan# 3784
 Delta R.T. 0.003 min
 Lab File: VV031096.D
 Acq: 19 May 2023 09:53

Tgt Ion:180	Resp:	21224
Ion Ratio	Lower	Upper
180	100	
182	94.3	75.4 113.2
145	28.3	23.1 34.7





#71

Naphthalene

Concen: 7.482 ug/L

RT: 13.448 min Scan# 3858

Delta R.T. 0.003 min

Lab File: VV031096.D

Acq: 19 May 2023 09:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD010222

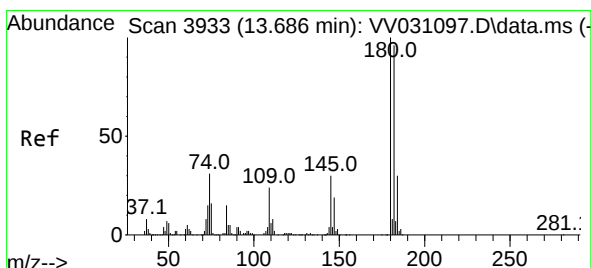
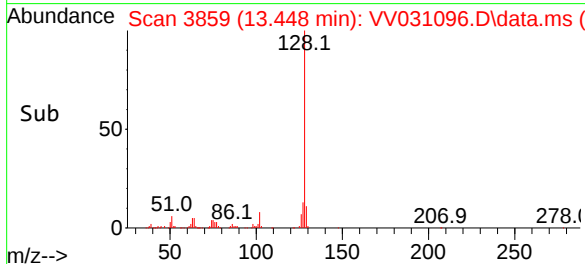
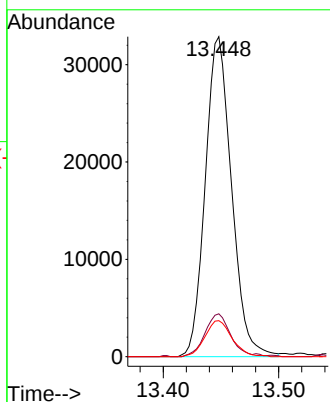
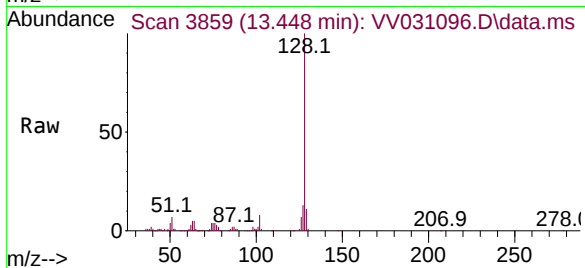
Tgt Ion:128 Resp: 52007

Ion Ratio Lower Upper

128 100

127 12.9 10.6 16.0

129 11.6 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 8.425 ug/L

RT: 13.689 min Scan# 3934

Delta R.T. 0.003 min

Lab File: VV031096.D

Acq: 19 May 2023 09:53

Tgt Ion:180 Resp: 21483

Ion Ratio Lower Upper

180 100

182 90.4 75.4 113.0

145 29.2 24.2 36.4

