

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW032323\
 Data File : VW030303.D
 Acq On : 23 Mar 2023 11:20
 Operator : SY/MD
 Sample : VSTD02032
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02032

Quant Time: Mar 24 02:23:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Mar 24 02:21:21 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.545	114	148963	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	151271	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	90791	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	193817	19.645	ug/L	0.00
7) Chloroethane-d5	1.535	69	180168	18.818	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.066	63	492392	21.032	ug/L	0.00
20) 2-Butanone-d5	3.828	46	577110	238.113	ug/L	-0.02
24) Chloroform-d	4.259	84	487087	20.398	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.953	65	230219	20.435	ug/L	0.00
32) Benzene-d6	4.969	84	881841	20.687	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.998	67	269854	20.221	ug/L	0.00
41) Toluene-d8	7.252	98	830543	21.217	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.558	79	104860	20.869	ug/L	0.00
46) 2-Hexanone-d5	8.034	63	499184	247.235	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.162	84	214100	20.355	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.570	152	330584	20.372	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	431368	22.779	ug/L	99
3) Chloromethane	1.217	50	524483	21.949	ug/L	98
5) Vinyl chloride	1.285	62	400745	23.004	ug/L	99
6) Bromomethane	1.490	94	105636	21.261	ug/L	98
8) Chloroethane	1.552	64	220746	22.121	ug/L	98
9) Trichlorofluoromethane	1.716	101	577036	22.722	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	311596	22.230	ug/L	98
12) 1,1-Dichloroethene	2.072	96	286139	22.989	ug/L	94
13) Acetone	2.172	43	541414	231.547	ug/L	84
14) Carbon disulfide	2.243	76	971181	23.688	ug/L	100
15) Methyl Acetate	2.394	43	139613	34.690	ug/L	# 82
16) Methylene chloride	2.452	84	303570	20.620	ug/L	98
17) Methyl tert-butyl Ether	2.716	73	681199	25.841	ug/L	98
18) trans-1,2-Dichloroethene	2.699	96	307813	23.475	ug/L	99
19) 1,1-Dichloroethane	3.117	63	593117	23.333	ug/L	98
21) 2-Butanone	3.912	43	788164	268.553	ug/L	99
22) cis-1,2-Dichloroethene	3.825	96	331102	25.160	ug/L	98
23) Bromochloromethane	4.159	128	144062	23.440	ug/L	98
25) Chloroform	4.285	83	596058	23.204	ug/L	96
27) 1,2-Dichloroethane	5.050	62	370258	23.839	ug/L	98
29) 1,1,1-Trichloroethane	4.523	97	552067	22.706	ug/L	100
30) Cyclohexane	4.593	56	570621	25.763	ug/L	100
31) Carbon tetrachloride	4.744	117	493381	22.364	ug/L	99
33) Benzene	5.018	78	1279302	23.810	ug/L	100
34) Trichloroethene	5.841	95	333835	23.038	ug/L	99
35) Methylcyclohexane	6.059	83	585285	25.733	ug/L	97
37) 1,2-Dichloropropane	6.101	63	331021	23.999	ug/L	99
38) Bromodichloromethane	6.439	83	420025	23.253	ug/L	98
39) cis-1,3-Dichloropropene	6.960	75	496967	25.622	ug/L	99
40) 4-Methyl-2-pentanone	7.169	43	1894724	260.679	ug/L	97
42) Toluene	7.323	91	1418309	24.784	ug/L	99
44) trans-1,3-Dichloropropene	7.587	75	412240	24.978	ug/L	97

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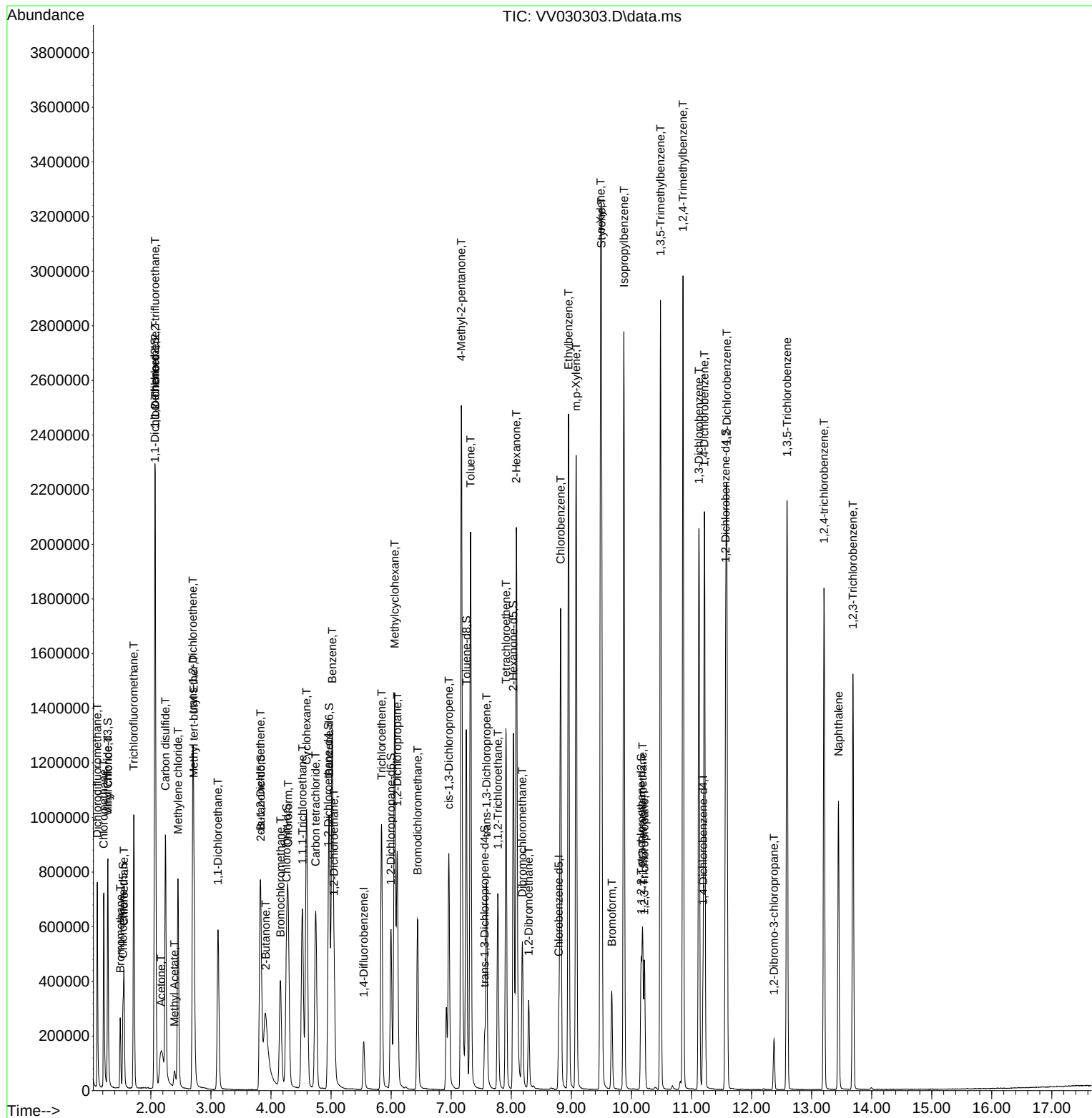
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.776	97	218810	22.530	ug/L	97
47) Tetrachloroethene	7.911	164	290828	22.741	ug/L	97
48) 2-Hexanone	8.085	43	1438758	264.141	ug/L	99
49) Dibromochloromethane	8.185	129	270463	23.395	ug/L	96
50) 1,2-Dibromoethane	8.291	107	207866	23.525	ug/L	96
51) Chlorobenzene	8.821	112	888912	24.259	ug/L	97
52) Ethylbenzene	8.953	91	1631584	26.059	ug/L	98
53) m,p-Xylene	9.082	106	626826	26.153	ug/L	98
54) o-Xylene	9.487	106	600179	26.170	ug/L	97
55) Styrene	9.503	104	1034726	26.564	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.188	83	267474	23.202	ug/L	100
59) Bromoform	9.673	173	159039	21.673	ug/L	100
60) Isopropylbenzene	9.876	105	1687115	25.198	ug/L	100
61) 1,2,3-Trichloropropane	10.217	75	180334	22.216	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	1432095	26.212	ug/L	100
63) 1,2,4-Trimethylbenzene	10.860	105	1489994	26.760	ug/L	99
64) 1,3-Dichlorobenzene	11.127	146	794639	23.800	ug/L	99
65) 1,4-Dichlorobenzene	11.217	146	798361	23.735	ug/L	99
67) 1,2-Dichlorobenzene	11.587	146	719239	23.906	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.374	75	43043	21.319	ug/L	95
69) 1,3,5-Trichlorobenzene	12.593	180	638790	24.848	ug/L	100
70) 1,2,4-trichlorobenzene	13.207	180	516165	26.005	ug/L	99
71) Naphthalene	13.448	128	763606	26.938	ug/L	99
72) 1,2,3-Trichlorobenzene	13.689	180	436215	25.368	ug/L	99

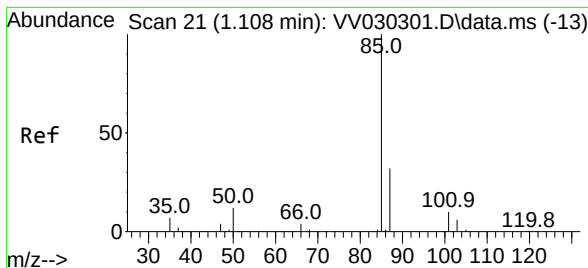
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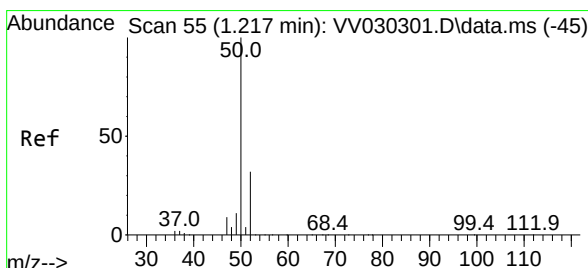
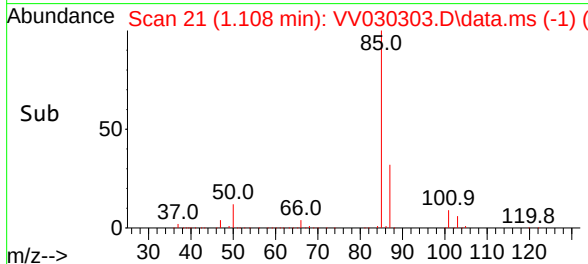
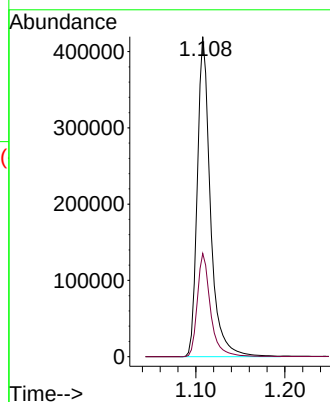
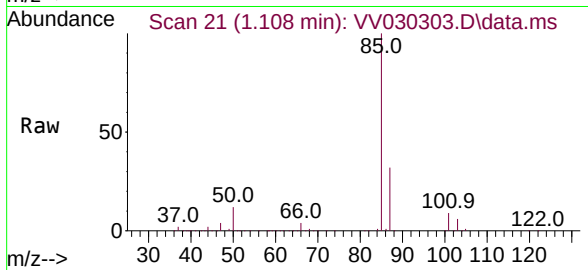




#2
 Dichlorodifluoromethane
 Concen: 22.779 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV030303.D
 Acq: 23 Mar 2023 11:20

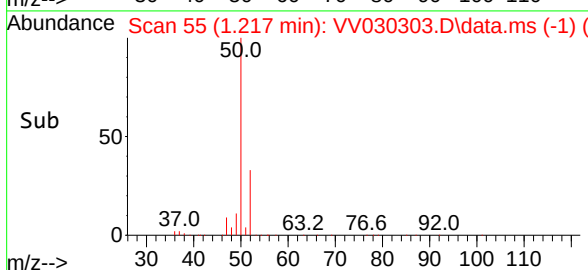
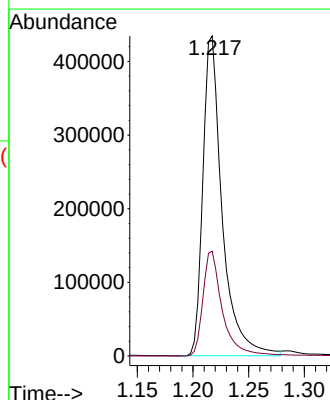
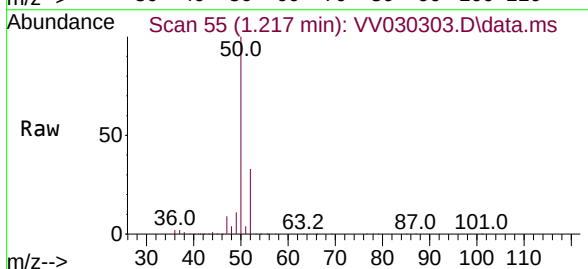
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD020232

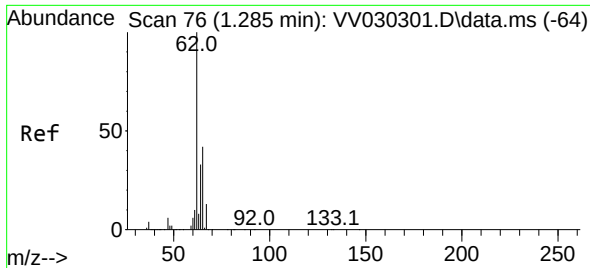
Tgt Ion: 85 Resp: 431368
 Ion Ratio Lower Upper
 85 100
 87 32.5 25.6 38.4



#3
 Chloromethane
 Concen: 21.949 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV030303.D
 Acq: 23 Mar 2023 11:20

Tgt Ion: 50 Resp: 524483
 Ion Ratio Lower Upper
 50 100
 52 32.8 22.3 41.5

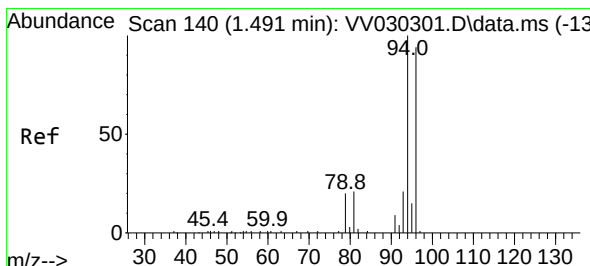
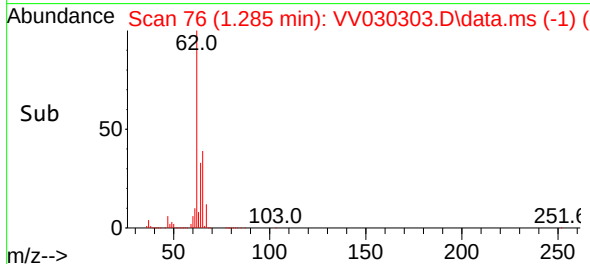
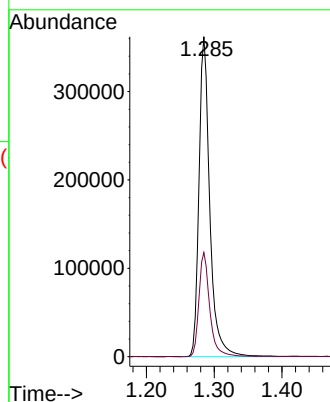
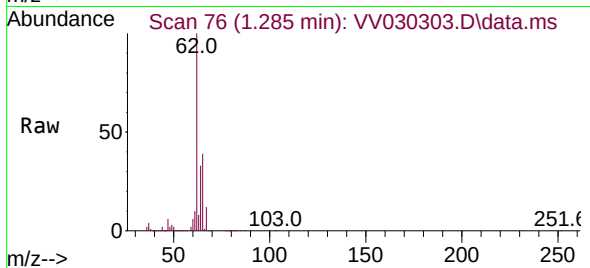




#5
 Vinyl chloride
 Concen: 23.004 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. -0.000 min
 Lab File: VV030303.D
 Acq: 23 Mar 2023 11:20

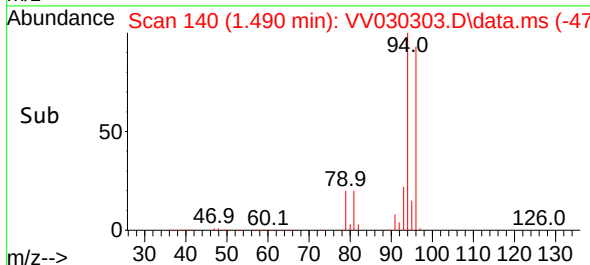
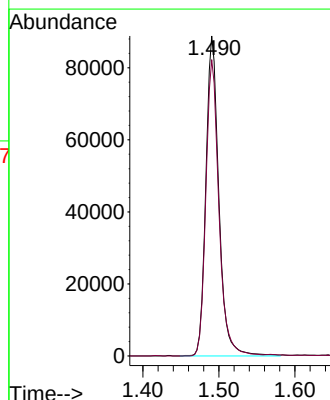
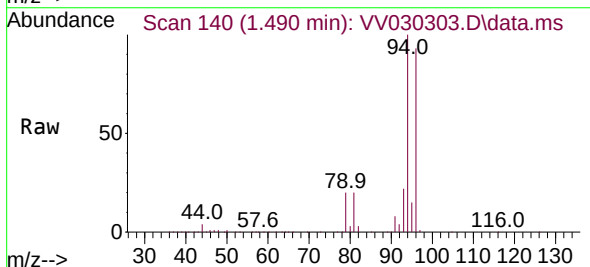
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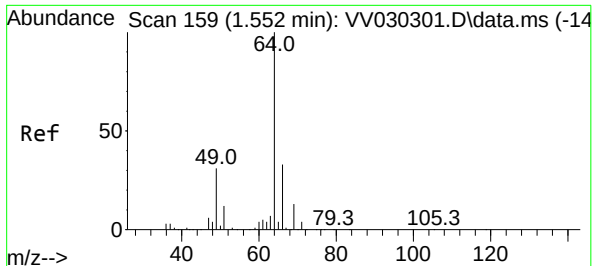
Tgt Ion: 62 Resp: 400745
 Ion Ratio Lower Upper
 62 100
 64 32.6 23.2 43.2



#6
 Bromomethane
 Concen: 21.261 ug/L
 RT: 1.490 min Scan# 140
 Delta R.T. -0.000 min
 Lab File: VV030303.D
 Acq: 23 Mar 2023 11:20

Tgt Ion: 94 Resp: 105636
 Ion Ratio Lower Upper
 94 100
 96 92.6 66.1 122.7

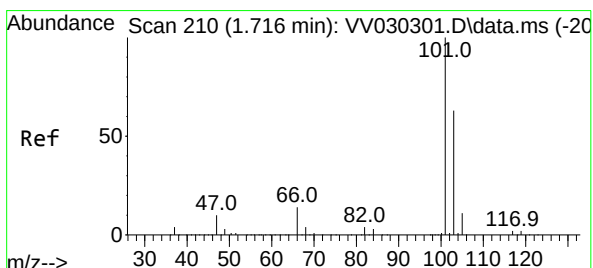
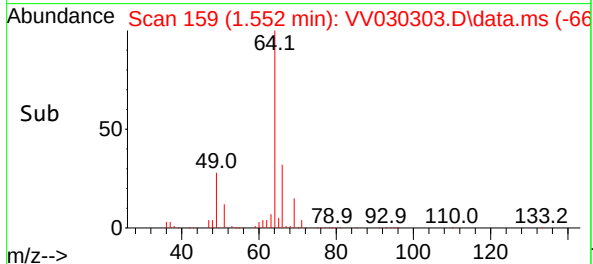
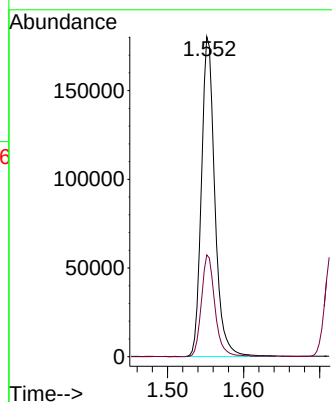
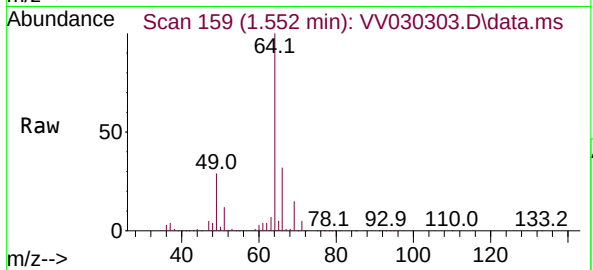




#8
Chloroethane
Concen: 22.121 ug/L
RT: 1.552 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV030303.D
Acq: 23 Mar 2023 11:20

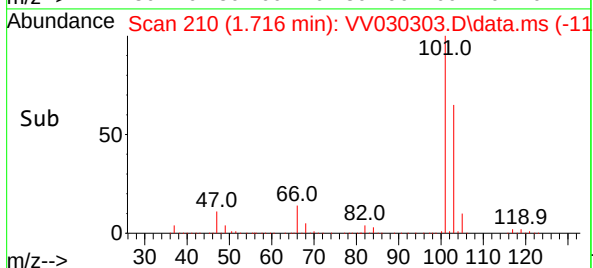
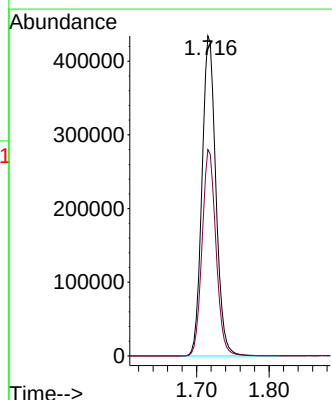
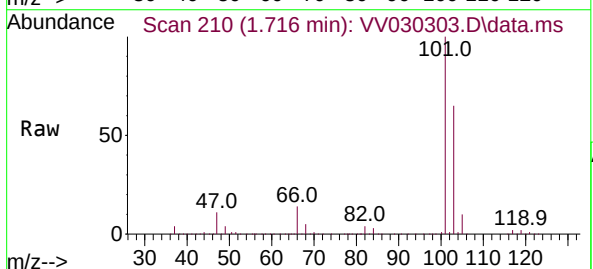
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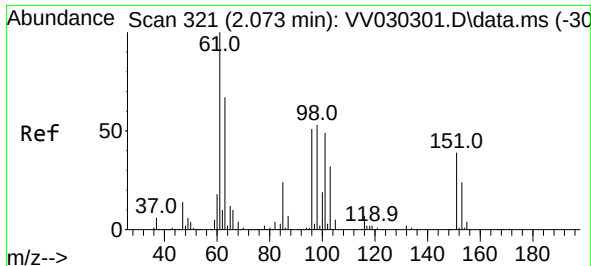
Tgt Ion: 64 Resp: 220746
Ion Ratio Lower Upper
64 100
66 31.8 23.0 42.8



#9
Trichlorofluoromethane
Concen: 22.722 ug/L
RT: 1.716 min Scan# 210
Delta R.T. -0.000 min
Lab File: VV030303.D
Acq: 23 Mar 2023 11:20

Tgt Ion:101 Resp: 577036
Ion Ratio Lower Upper
101 100
103 64.5 51.0 76.6





#10

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

Concen: 22.230 ug/L

RT: 2.072 min Scan# 321

Delta R.T. -0.000 min

Lab File: VV030303.D

Acq: 23 Mar 2023 11:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD020232

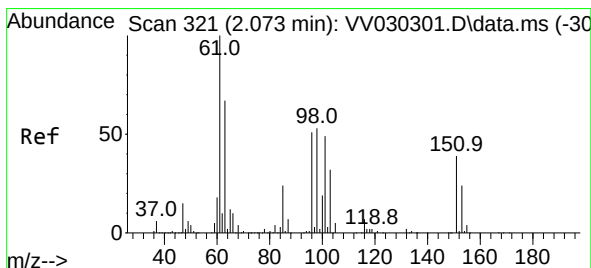
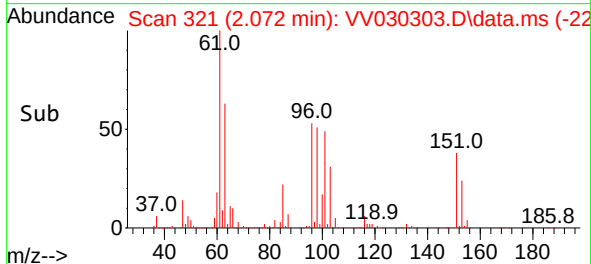
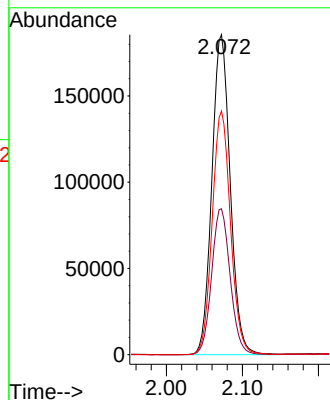
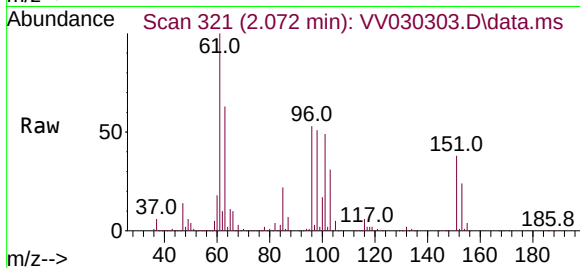
Tgt Ion:101 Resp: 311596

Ion Ratio Lower Upper

101 100

85 46.1 38.1 57.1

151 76.2 62.7 94.1



#12

1,1-Dichloroethene

Concen: 22.989 ug/L

RT: 2.072 min Scan# 321

Delta R.T. -0.000 min

Lab File: VV030303.D

Acq: 23 Mar 2023 11:20

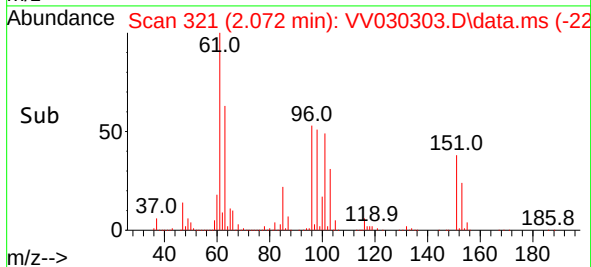
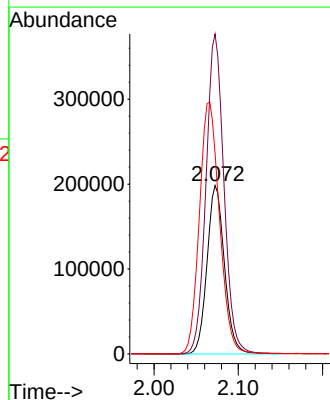
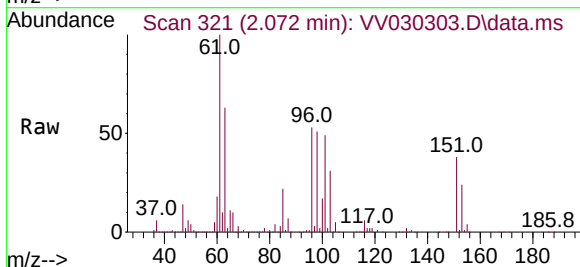
Tgt Ion: 96 Resp: 286139

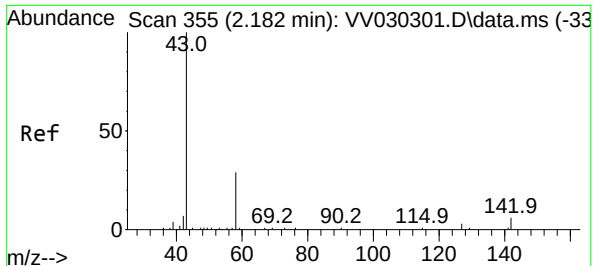
Ion Ratio Lower Upper

96 100

61 189.9 136.3 253.1

63 119.2 92.1 171.1





#13

Acetone

Concen: 231.547 ug/L

RT: 2.172 min Scan# 355

Delta R.T. -0.010 min

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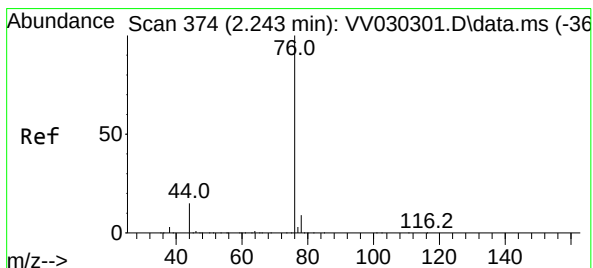
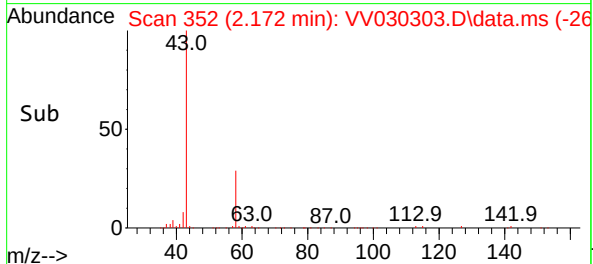
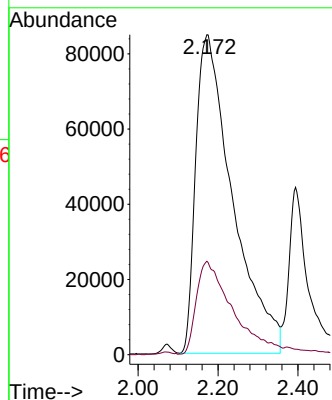
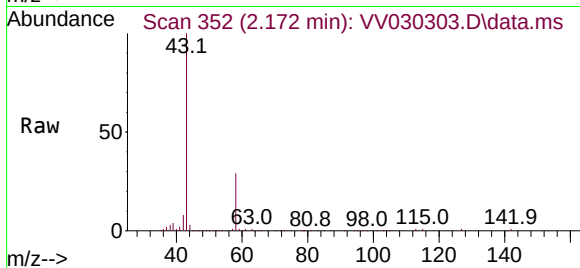
VSTD020232

Tgt Ion: 43 Resp: 541414

Ion Ratio Lower Upper

43 100

58 27.7 0.0 40.8



#14

Carbon disulfide

Concen: 23.688 ug/L

RT: 2.243 min Scan# 374

Delta R.T. -0.000 min

Lab File: VV030303.D

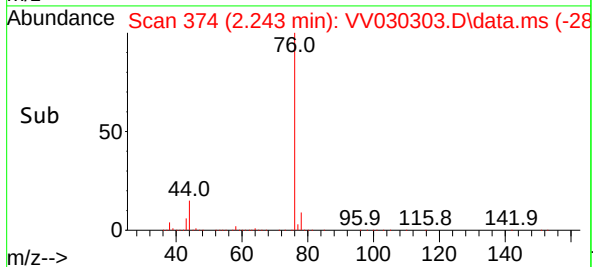
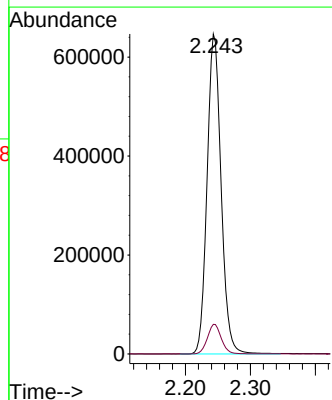
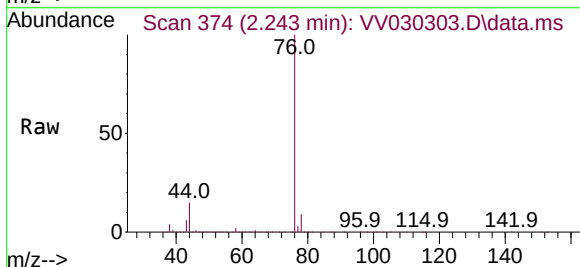
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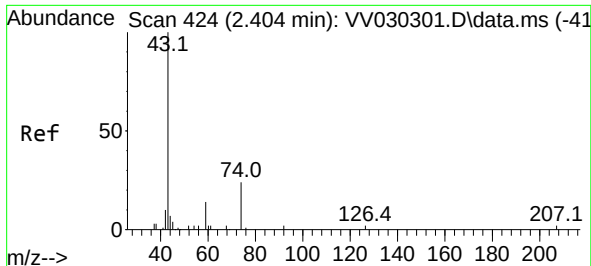
Tgt Ion: 76 Resp: 971181

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9

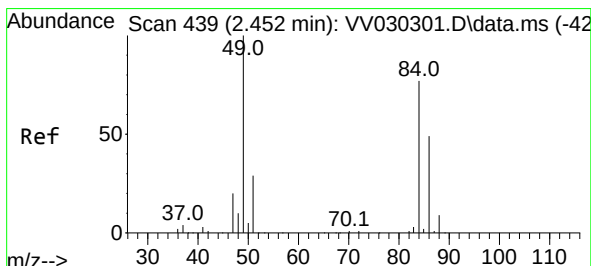
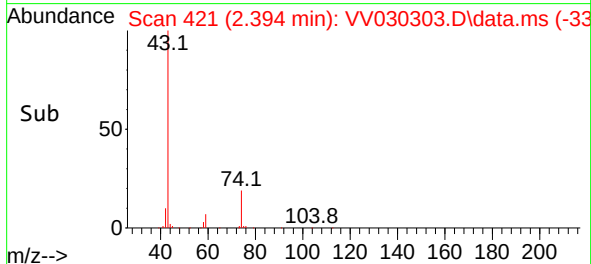
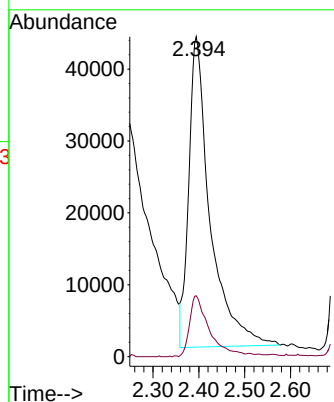
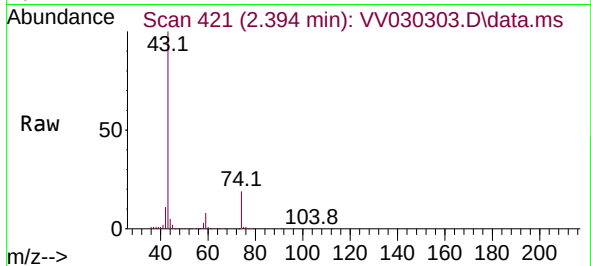




#15
Methyl Acetate
Concen: 34.690 ug/L
RT: 2.394 min Scan# 41
Delta R.T. -0.010 min
Lab File: VV030303.D
Acq: 23 Mar 2023 11:20

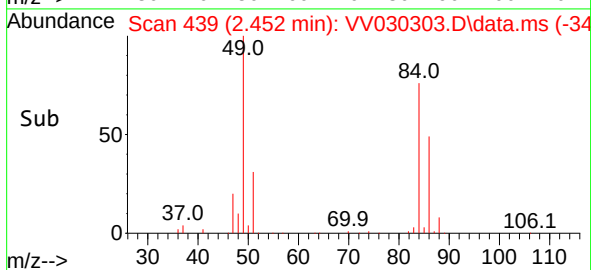
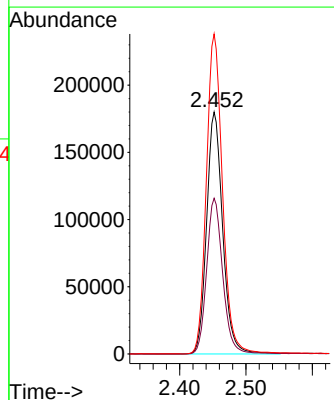
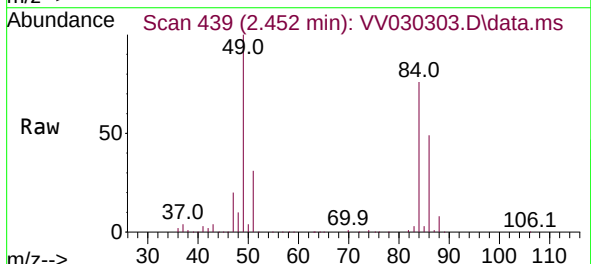
Instrument :
MSVOA_V
ClientSampleId :
VSTD020232

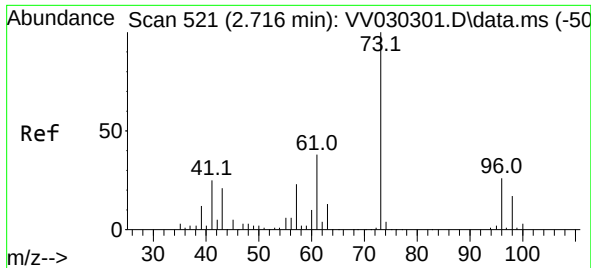
Tgt Ion: 43 Resp: 139613
Ion Ratio Lower Upper
43 100
74 18.1 22.1 33.1#



#16
Methylene chloride
Concen: 20.620 ug/L
RT: 2.452 min Scan# 439
Delta R.T. -0.000 min
Lab File: VV030303.D
Acq: 23 Mar 2023 11:20

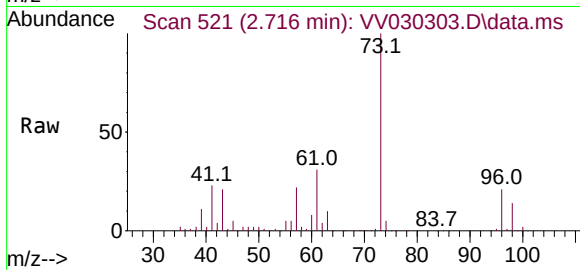
Tgt Ion: 84 Resp: 303570
Ion Ratio Lower Upper
84 100
86 64.3 44.0 81.6
49 132.2 90.6 168.3



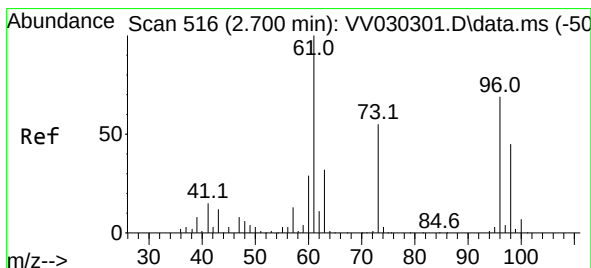
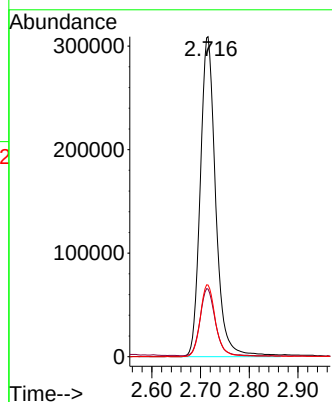
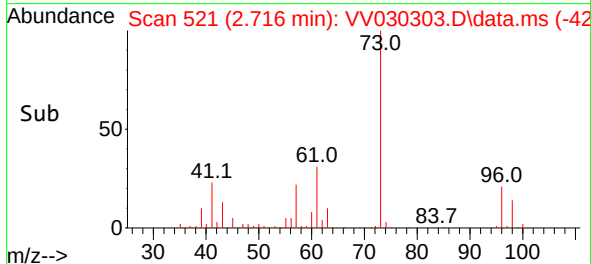


#17
Methyl tert-butyl Ether
Concen: 25.841 ug/L
RT: 2.716 min Scan# 516
Delta R.T. -0.000 min
Lab File: VV030303.D
Acq: 23 Mar 2023 11:20

Instrument :
MSVOA_V
ClientSampleId :
VSTD020232

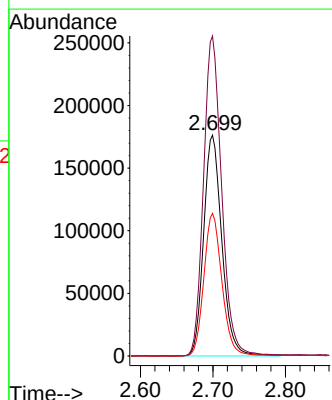
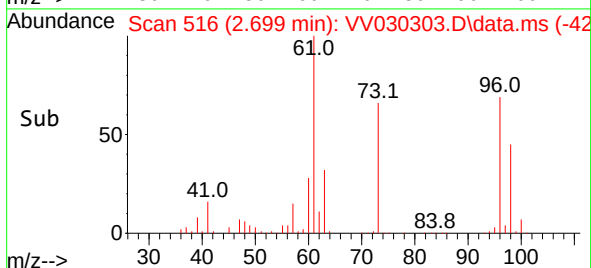
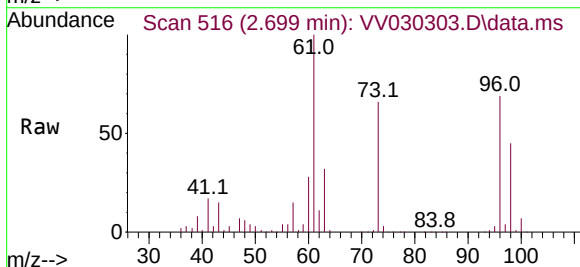


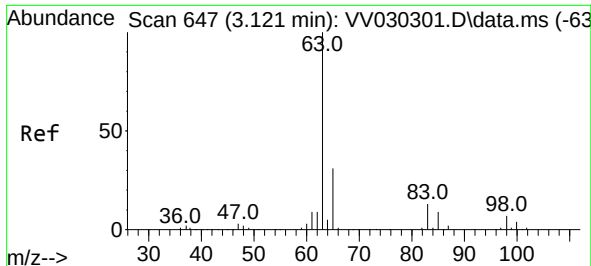
Tgt Ion: 73 Resp: 681199
Ion Ratio Lower Upper
73 100
43 20.7 17.4 26.2
57 22.4 18.3 27.5



#18
trans-1,2-Dichloroethene
Concen: 23.475 ug/L
RT: 2.699 min Scan# 516
Delta R.T. -0.000 min
Lab File: VV030303.D
Acq: 23 Mar 2023 11:20

Tgt Ion: 96 Resp: 307813
Ion Ratio Lower Upper
96 100
61 144.9 101.7 188.9
98 64.6 45.8 85.2

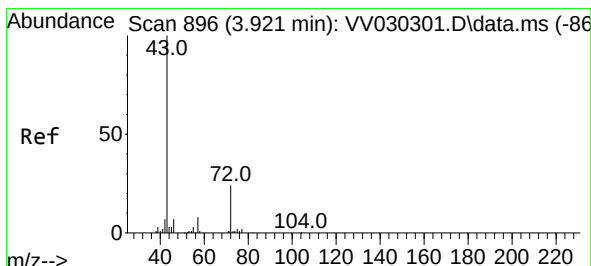
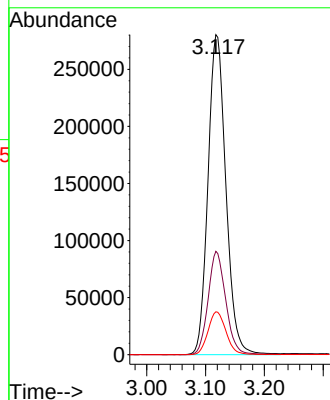
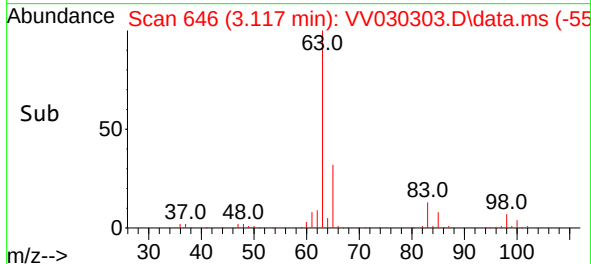
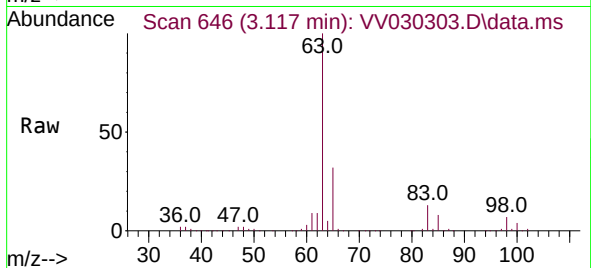




#19
1,1-Dichloroethane
Concen: 23.333 ug/L
RT: 3.117 min Scan# 64
Delta R.T. -0.003 min
Lab File: VV030303.D
Acq: 23 Mar 2023 11:20

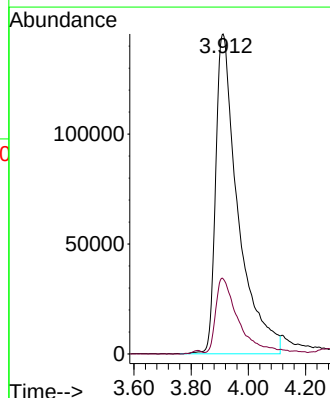
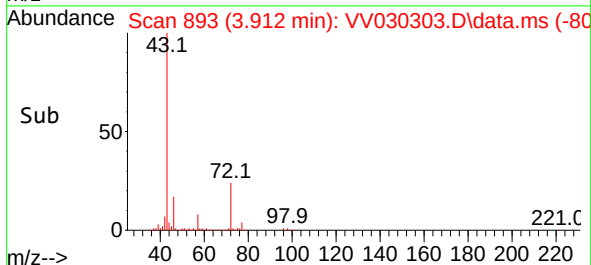
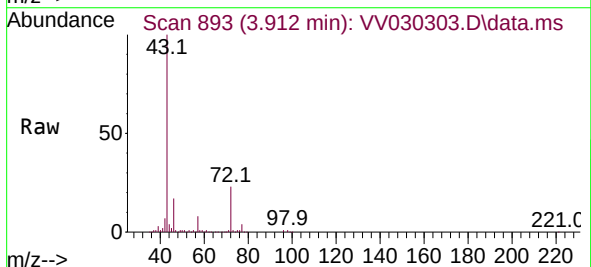
Instrument :
MSVOA_V
ClientSampleId :
VSTD020232

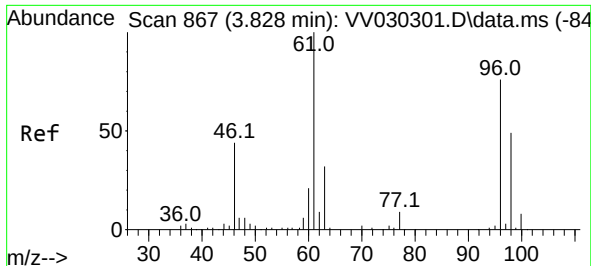
Tgt Ion: 63 Resp: 593117
Ion Ratio Lower Upper
63 100
65 32.3 21.7 40.3
83 13.4 9.1 16.9



#21
2-Butanone
Concen: 268.553 ug/L
RT: 3.912 min Scan# 893
Delta R.T. -0.010 min
Lab File: VV030303.D
Acq: 23 Mar 2023 11:20

Tgt Ion: 43 Resp: 788164
Ion Ratio Lower Upper
43 100
72 22.8 11.2 33.5

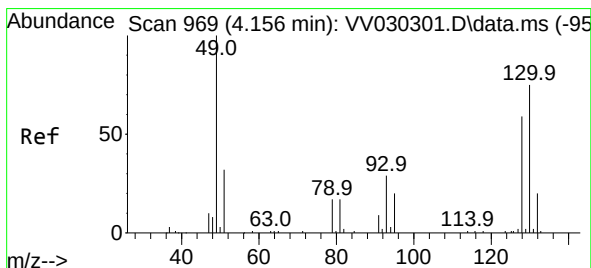
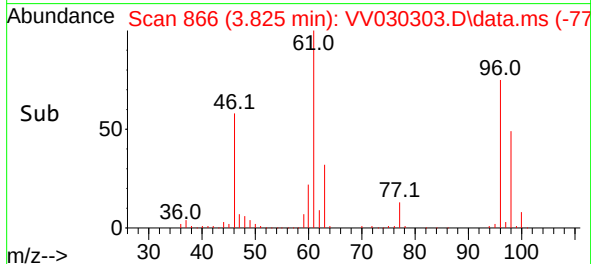
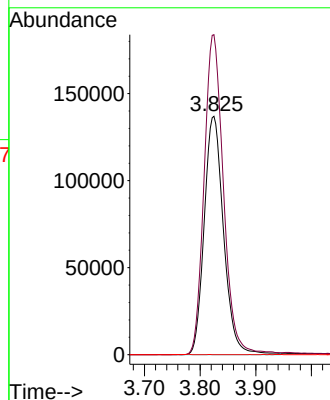
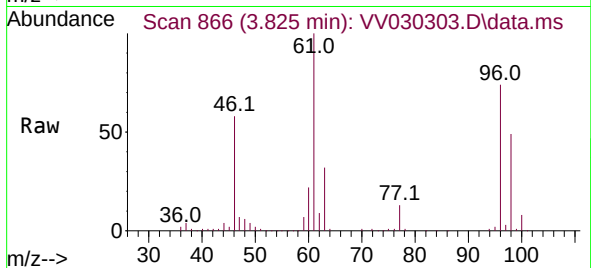




#22
 cis-1,2-Dichloroethene
 Concen: 25.160 ug/L
 RT: 3.825 min Scan# 80
 Delta R.T. -0.003 min
 Lab File: VV030303.D
 Acq: 23 Mar 2023 11:20

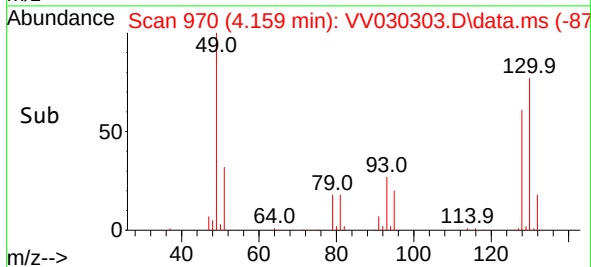
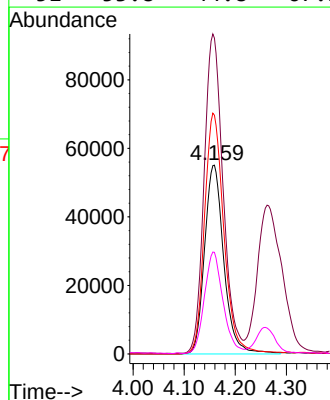
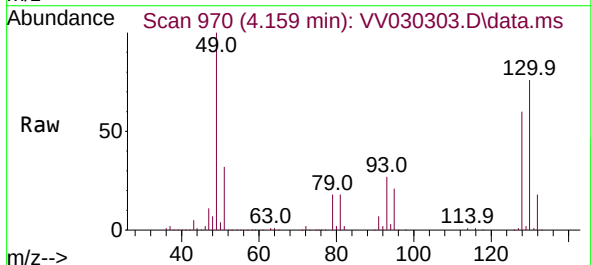
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD020232

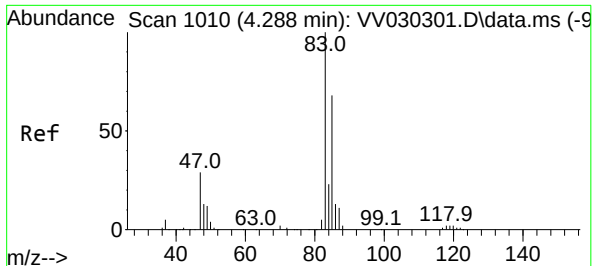
Tgt Ion: 96 Resp: 331102
 Ion Ratio Lower Upper
 96 100
 61 134.3 92.0 170.8
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 23.440 ug/L
 RT: 4.159 min Scan# 970
 Delta R.T. 0.003 min
 Lab File: VV030303.D
 Acq: 23 Mar 2023 11:20

Tgt Ion: 128 Resp: 144062
 Ion Ratio Lower Upper
 128 100
 49 167.3 119.4 221.8
 130 126.4 89.2 165.8
 51 53.8 44.8 67.2





#25

Chloroform

Concen: 23.204 ug/L

RT: 4.285 min Scan# 1010

Delta R.T. -0.003 min

Lab File: VV030303.D

Acq: 23 Mar 2023 11:20

Instrument :

MSVOA_V

ClientSampleId :

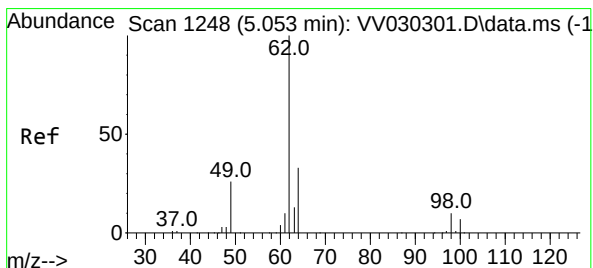
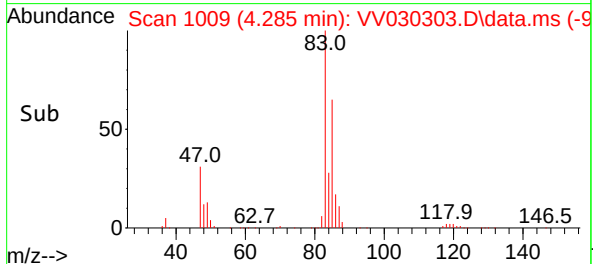
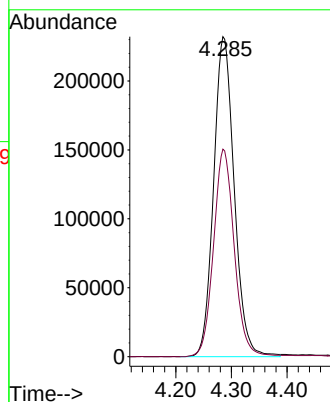
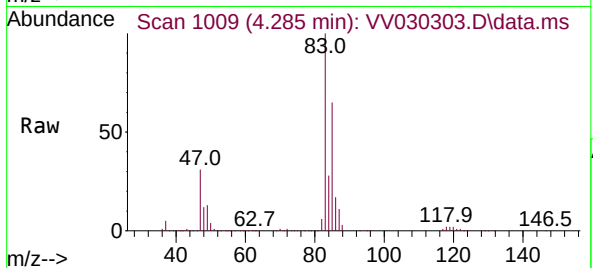
VSTD020232

Tgt Ion: 83 Resp: 596058

Ion Ratio Lower Upper

83 100

85 64.8 47.6 88.4



#27

1,2-Dichloroethane

Concen: 23.839 ug/L

RT: 5.050 min Scan# 1247

Delta R.T. -0.003 min

Lab File: VV030303.D

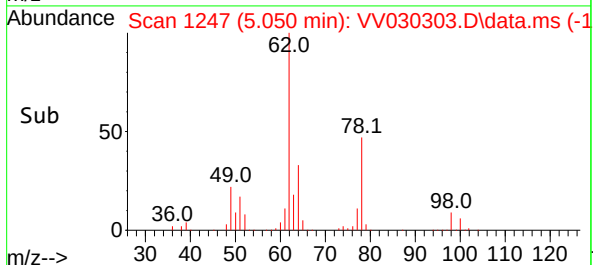
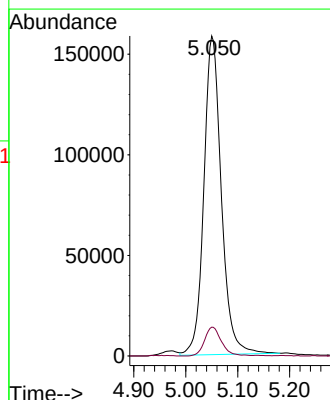
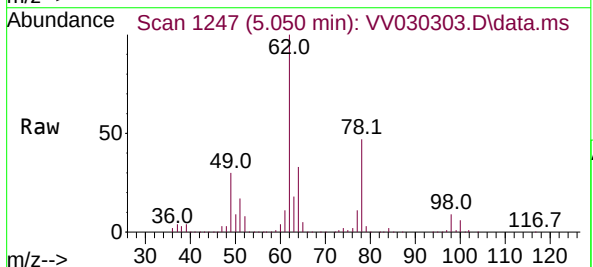
Acq: 23 Mar 2023 11:20

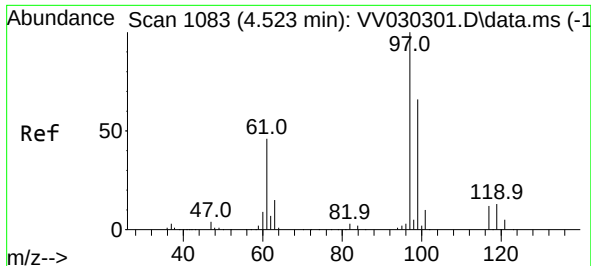
Tgt Ion: 62 Resp: 370258

Ion Ratio Lower Upper

62 100

98 9.0 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 22.706 ug/L

RT: 4.523 min Scan# 1105

Delta R.T. -0.000 min

Lab File: VV030303.D

Acq: 23 Mar 2023 11:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD020232

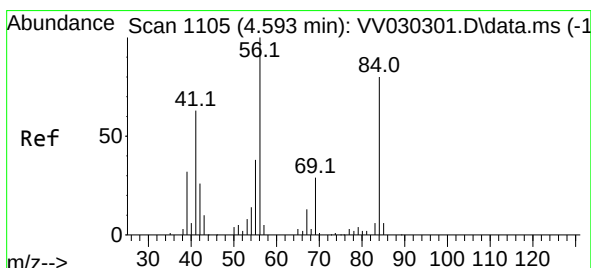
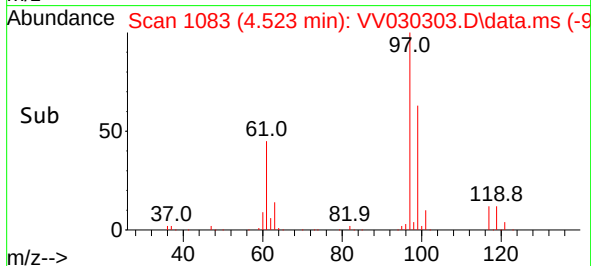
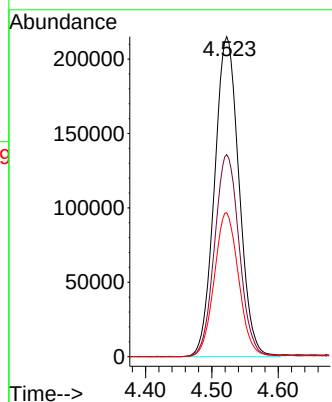
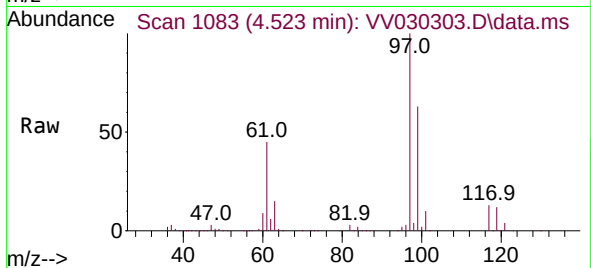
Tgt Ion: 97 Resp: 552067

Ion Ratio Lower Upper

97 100

99 63.7 50.9 76.3

61 44.6 35.9 53.9



#30

Cyclohexane

Concen: 25.763 ug/L

RT: 4.593 min Scan# 1105

Delta R.T. -0.000 min

Lab File: VV030303.D

Acq: 23 Mar 2023 11:20

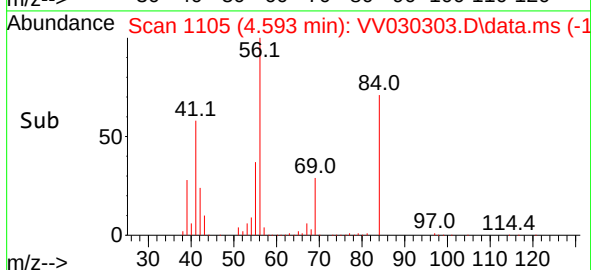
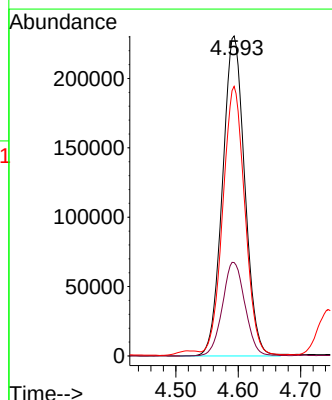
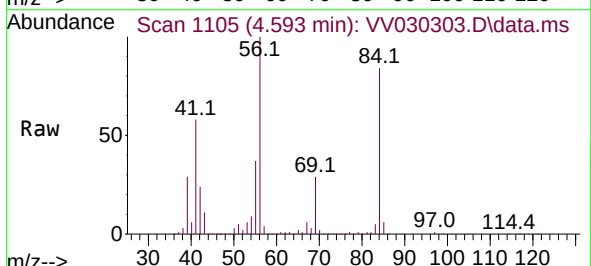
Tgt Ion: 56 Resp: 570621

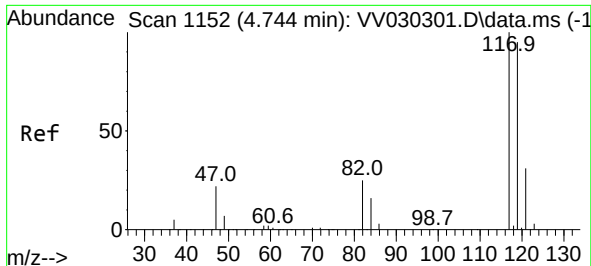
Ion Ratio Lower Upper

56 100

69 29.8 24.2 36.2

84 83.1 66.6 100.0

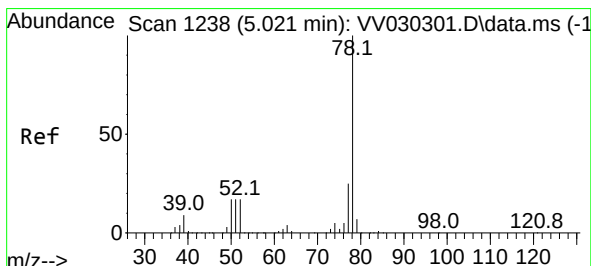
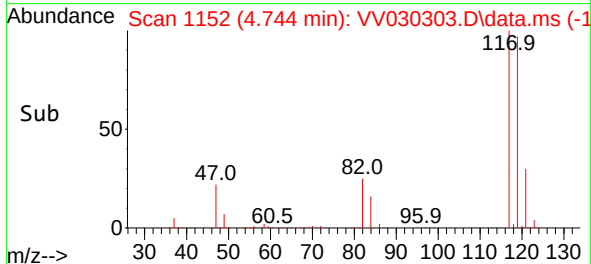
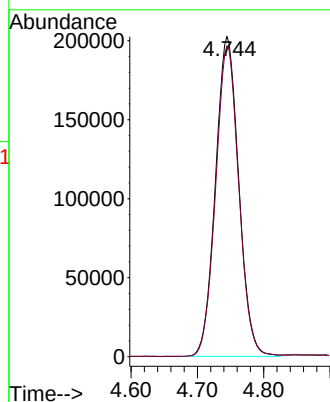
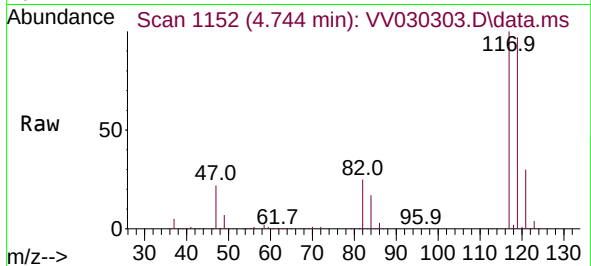




#31
Carbon tetrachloride
Concen: 22.364 ug/L
RT: 4.744 min Scan# 1152
Delta R.T. -0.000 min
Lab File: VV030303.D
Acq: 23 Mar 2023 11:20

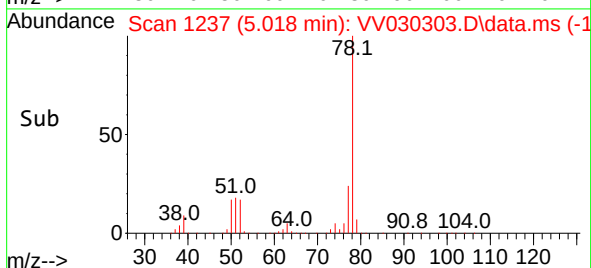
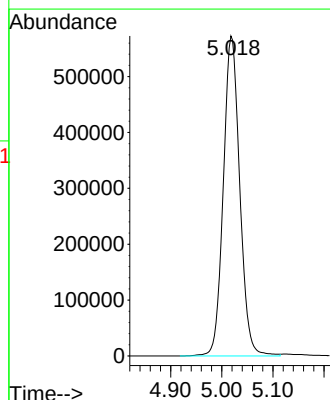
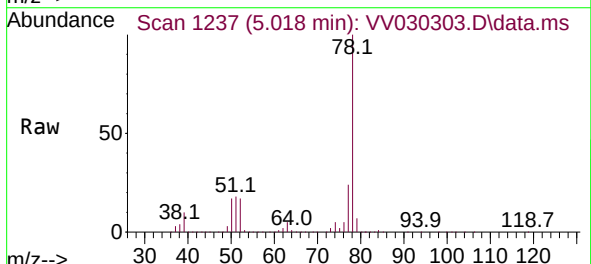
Instrument : MSVOA_V
ClientSampleId : VSTD020232

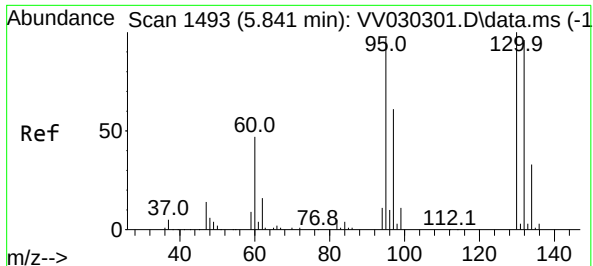
Tgt Ion:117 Resp: 493381
Ion Ratio Lower Upper
117 100
119 96.6 76.2 114.4



#33
Benzene
Concen: 23.810 ug/L
RT: 5.018 min Scan# 1237
Delta R.T. -0.003 min
Lab File: VV030303.D
Acq: 23 Mar 2023 11:20

Tgt Ion: 78 Resp: 1279302

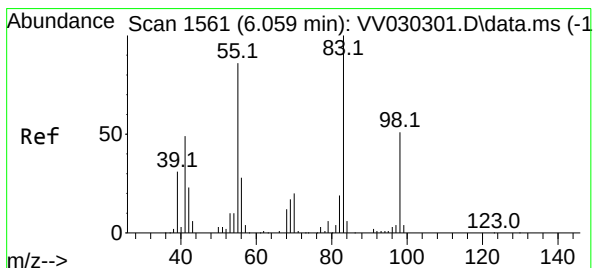
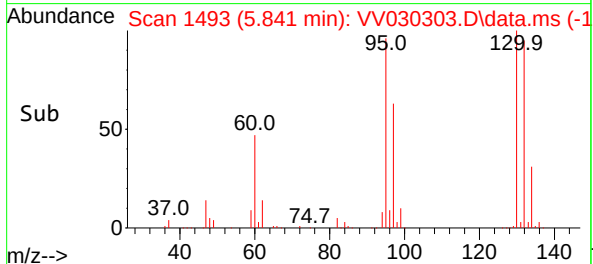
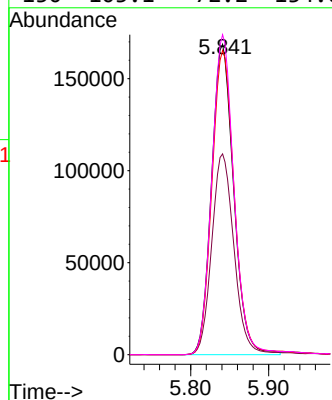
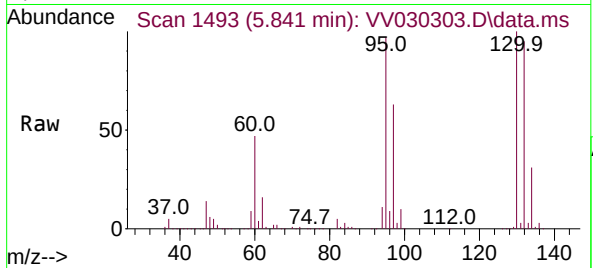




#34
Trichloroethene
Concen: 23.038 ug/L
RT: 5.841 min Scan# 1493
Delta R.T. -0.000 min
Lab File: VV030303.D
Acq: 23 Mar 2023 11:20

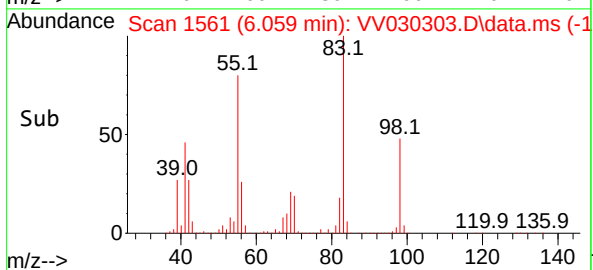
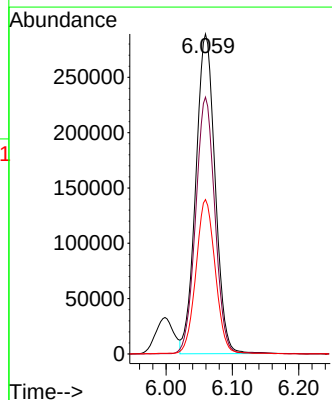
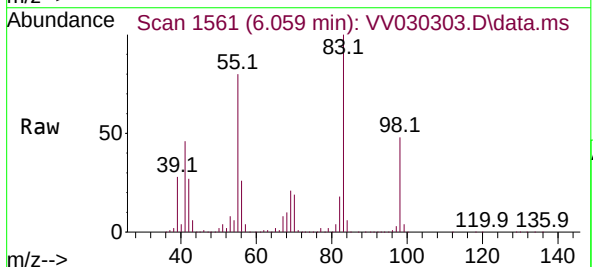
Instrument :
MSVOA_V
ClientSampleId :
VSTD020232

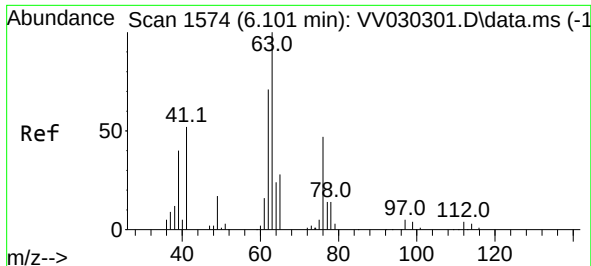
Tgt Ion: 95 Resp: 333835
Ion Ratio Lower Upper
95 100
97 64.7 44.2 82.2
132 98.0 69.5 129.1
130 103.1 72.2 134.0



#35
Methylcyclohexane
Concen: 25.733 ug/L
RT: 6.059 min Scan# 1561
Delta R.T. -0.000 min
Lab File: VV030303.D
Acq: 23 Mar 2023 11:20

Tgt Ion: 83 Resp: 585285
Ion Ratio Lower Upper
83 100
55 79.6 66.6 100.0
98 47.7 38.6 58.0





#37

1,2-Dichloropropane

Concen: 23.999 ug/L

RT: 6.101 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV030303.D

Acq: 23 Mar 2023 11:20

Instrument :

MSVOA_V

ClientSampleId :

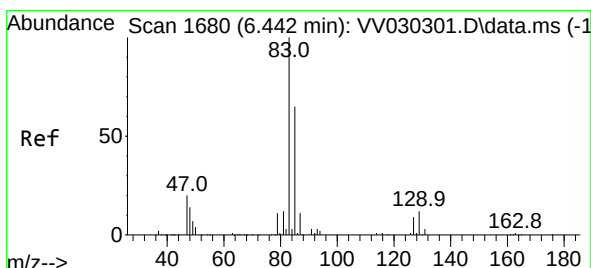
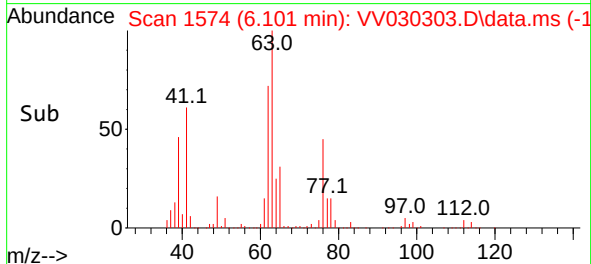
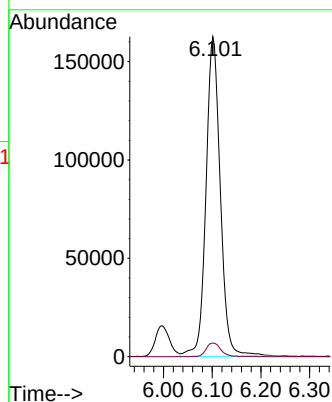
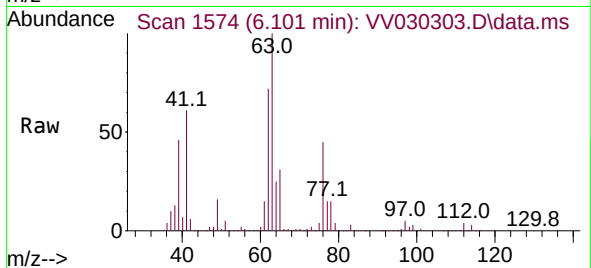
VSTD020232

Tgt Ion: 63 Resp: 331021

Ion Ratio Lower Upper

63 100

112 4.4 3.9 5.9



#38

Bromodichloromethane

Concen: 23.253 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. -0.003 min

Lab File: VV030303.D

Acq: 23 Mar 2023 11:20

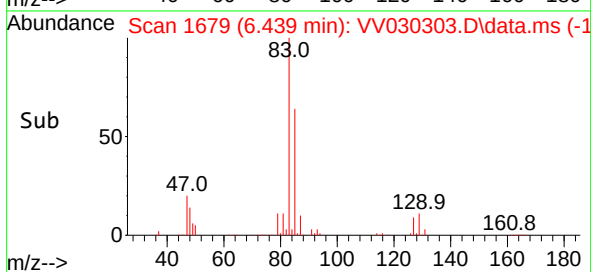
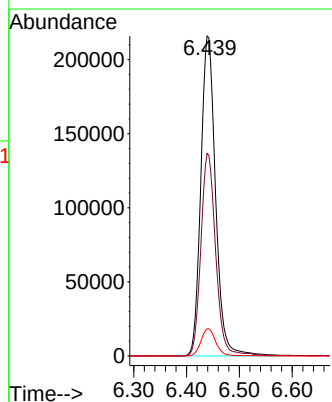
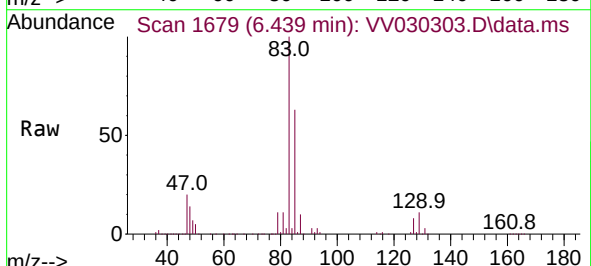
Tgt Ion: 83 Resp: 420025

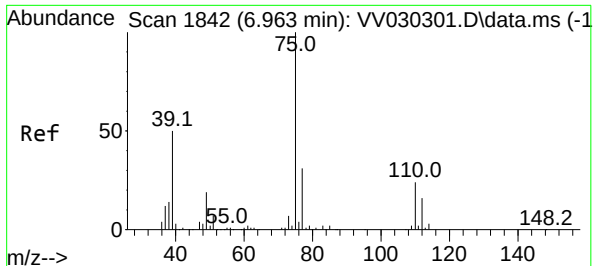
Ion Ratio Lower Upper

83 100

85 63.3 45.3 84.1

127 8.5 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 25.622 ug/L

RT: 6.960 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV030303.D

Acq: 23 Mar 2023 11:20

Instrument :

MSVOA_V

ClientSampleId :

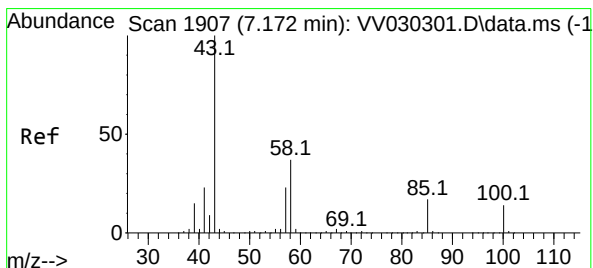
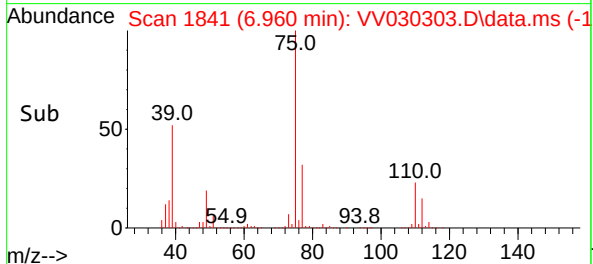
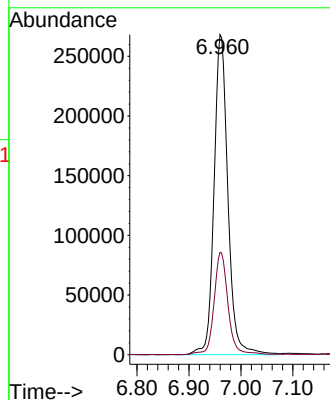
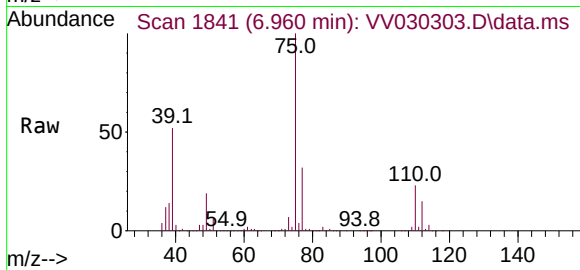
VSTD020232

Tgt Ion: 75 Resp: 496967

Ion Ratio Lower Upper

75 100

77 32.0 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 260.679 ug/L

RT: 7.169 min Scan# 1906

Delta R.T. -0.003 min

Lab File: VV030303.D

Acq: 23 Mar 2023 11:20

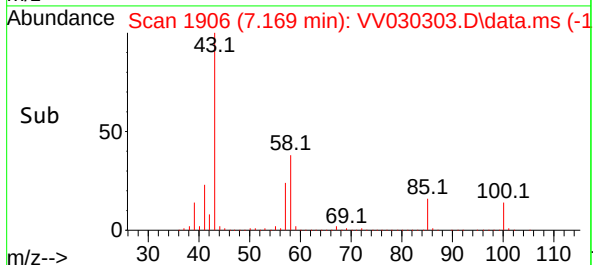
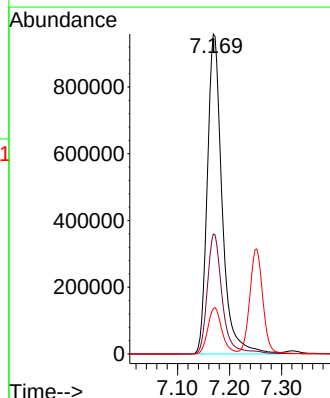
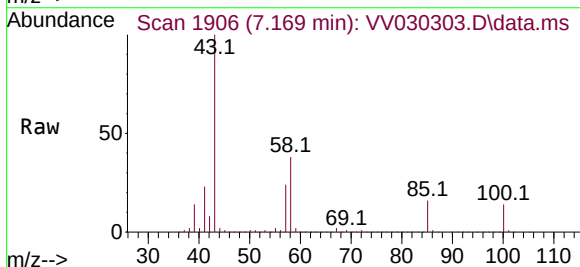
Tgt Ion: 43 Resp: 1894724

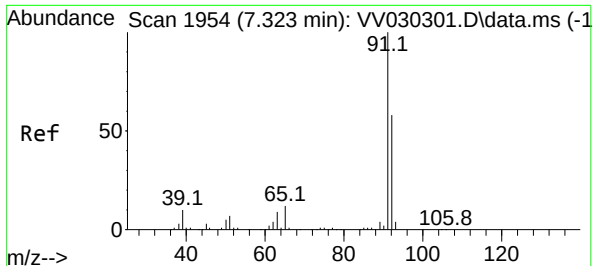
Ion Ratio Lower Upper

43 100

58 38.1 28.8 43.2

100 13.8 10.7 16.1





#42

Toluene

Concen: 24.784 ug/L

RT: 7.323 min Scan# 1954

Delta R.T. -0.000 min

Lab File: VV030303.D

Acq: 23 Mar 2023 11:20

Instrument :

MSVOA_V

ClientSampleId :

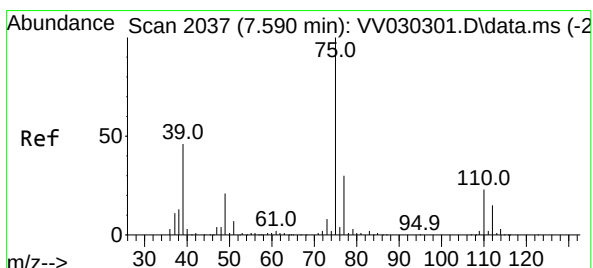
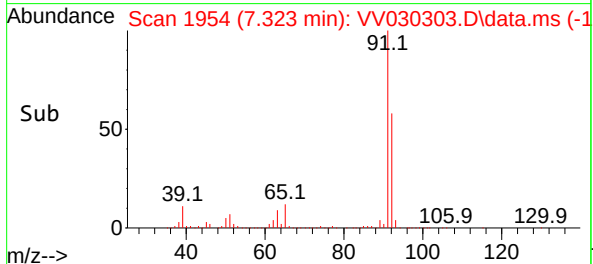
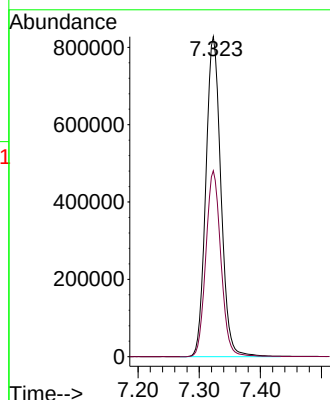
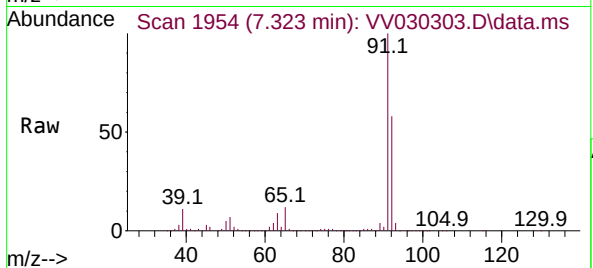
VSTD020232

Tgt Ion: 91 Resp: 1418309

Ion Ratio Lower Upper

91 100

92 58.1 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 24.978 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. -0.003 min

Lab File: VV030303.D

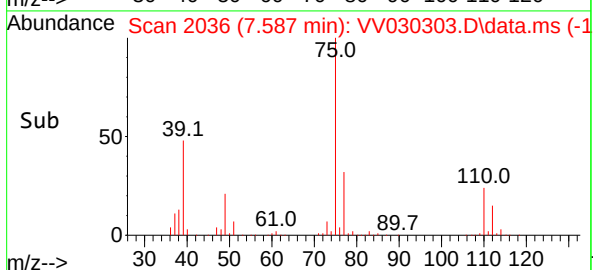
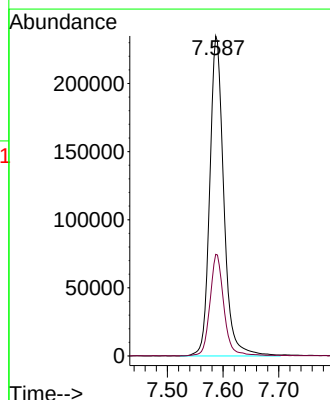
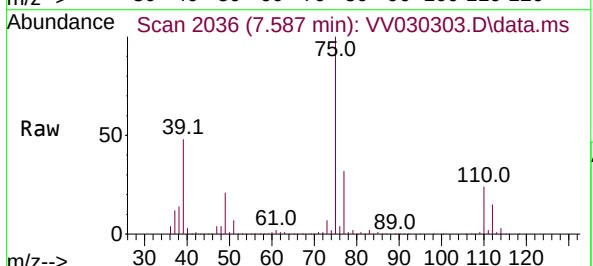
Acq: 23 Mar 2023 11:20

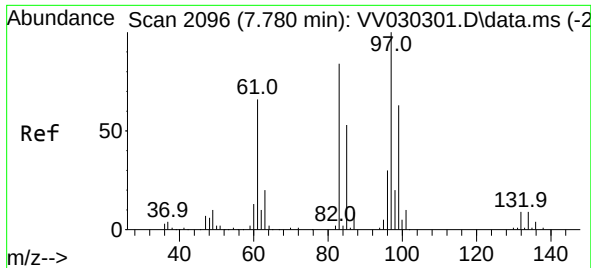
Tgt Ion: 75 Resp: 412240

Ion Ratio Lower Upper

75 100

77 31.8 21.2 39.4



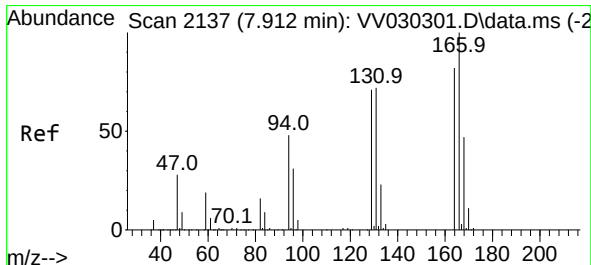
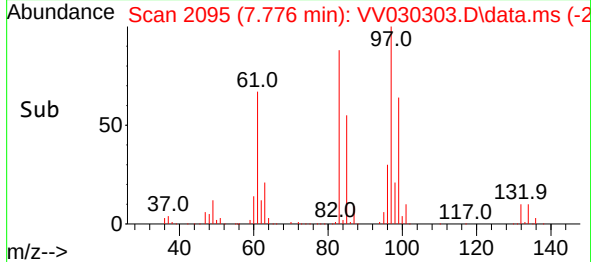
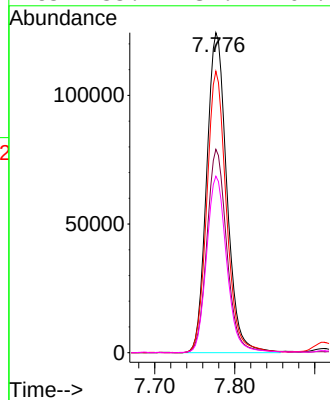
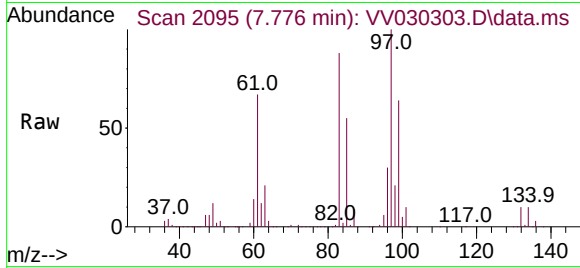


#45
1,1,2-Trichloroethane
Concen: 22.530 ug/L
RT: 7.776 min Scan# 2095
Delta R.T. -0.003 min
Lab File: VV030303.D
Acq: 23 Mar 2023 11:20

Instrument :
MSVOA_V
ClientSampleId :
VSTD020232

Tgt Ion: 97 Resp: 218810

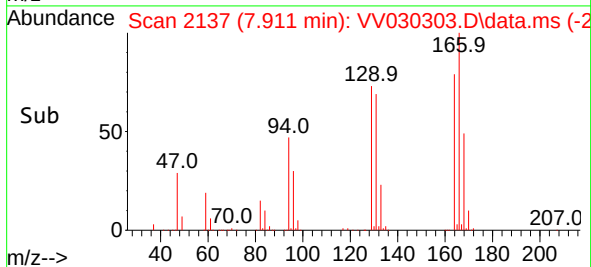
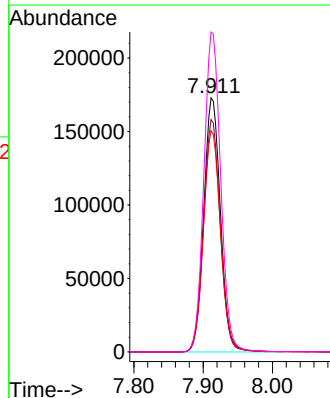
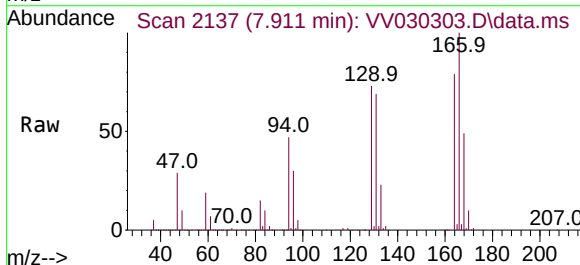
Ion	Ratio	Lower	Upper
97	100		
99	63.5	44.0	81.8
83	87.9	58.8	109.2
85	55.2	37.2	69.0

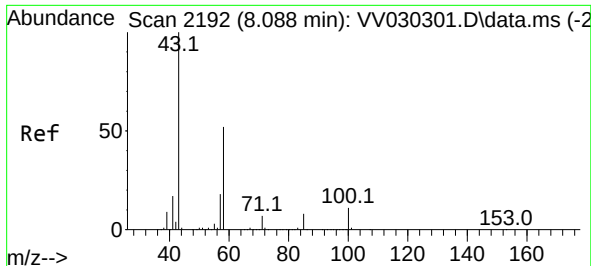


#47
Tetrachloroethene
Concen: 22.741 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. -0.000 min
Lab File: VV030303.D
Acq: 23 Mar 2023 11:20

Tgt Ion: 164 Resp: 290828

Ion	Ratio	Lower	Upper
164	100		
129	91.4	60.8	112.8
131	87.1	61.7	114.7
166	126.0	85.6	159.0



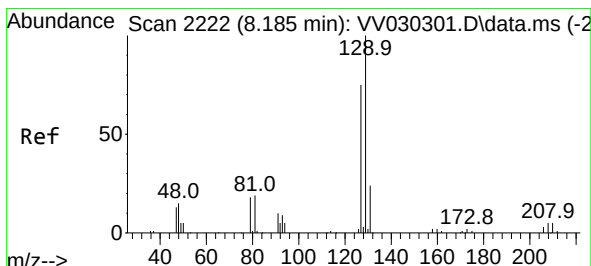
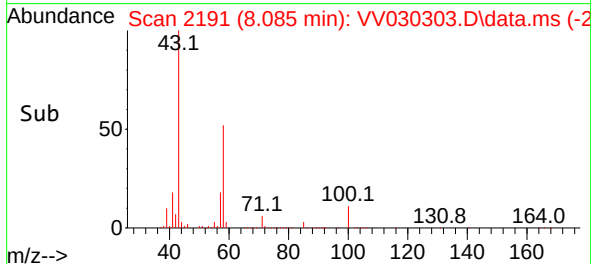
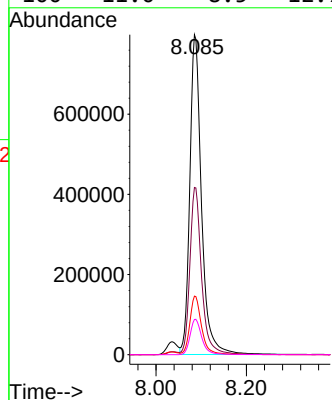
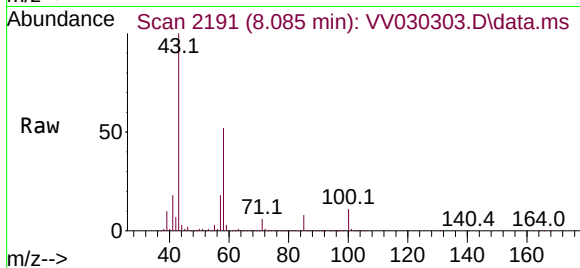


#48
2-Hexanone
Concen: 264.141 ug/L
RT: 8.085 min Scan# 2192
Delta R.T. -0.003 min
Lab File: VV030303.D
Acq: 23 Mar 2023 11:20

Instrument :
MSVOA_V
ClientSampleId :
VSTD020232

Tgt Ion: 43 Resp: 1438758

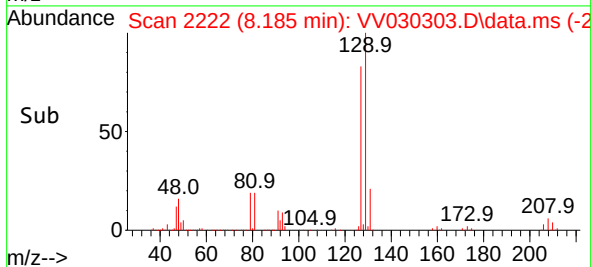
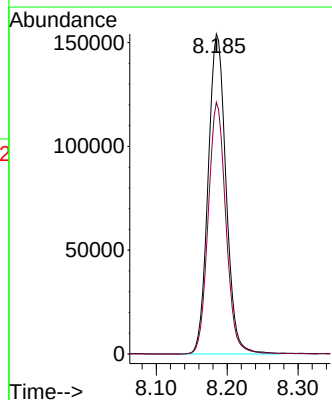
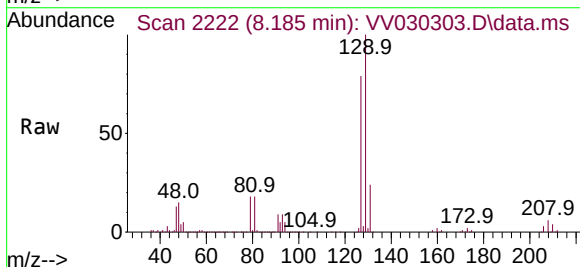
Ion	Ratio	Lower	Upper
43	100		
58	51.7	40.3	60.5
57	18.4	14.6	22.0
100	11.0	8.5	12.7

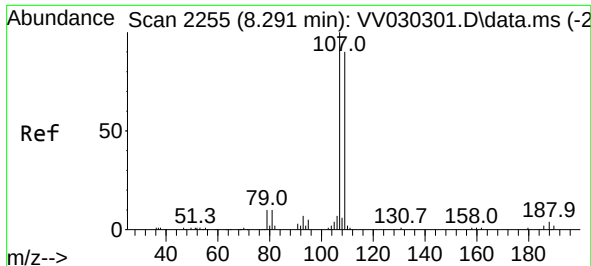


#49
Dibromochloromethane
Concen: 23.395 ug/L
RT: 8.185 min Scan# 2222
Delta R.T. -0.000 min
Lab File: VV030303.D
Acq: 23 Mar 2023 11:20

Tgt Ion: 129 Resp: 270463

Ion	Ratio	Lower	Upper
129	100		
127	78.6	52.7	97.9

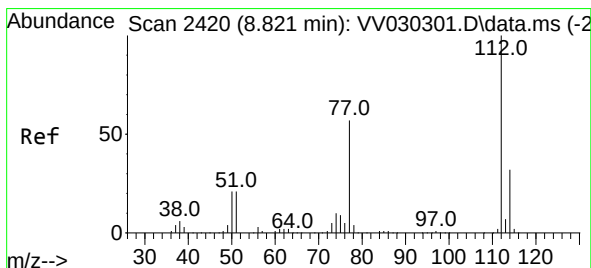
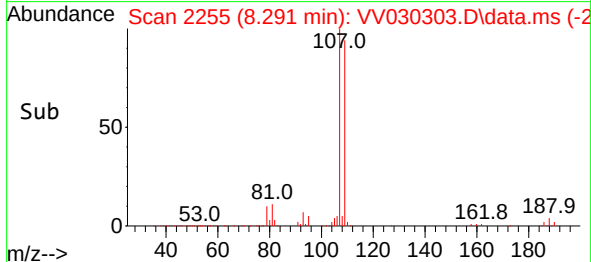
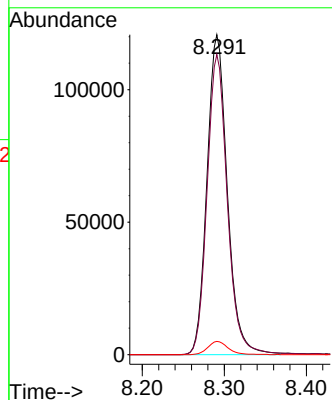
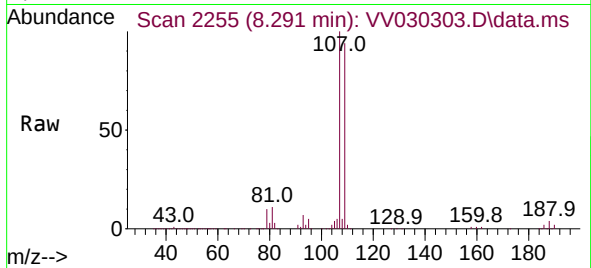




#50
1,2-Dibromoethane
Concen: 23.525 ug/L
RT: 8.291 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV030303.D
Acq: 23 Mar 2023 11:20

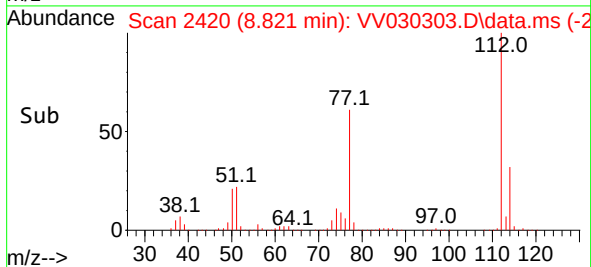
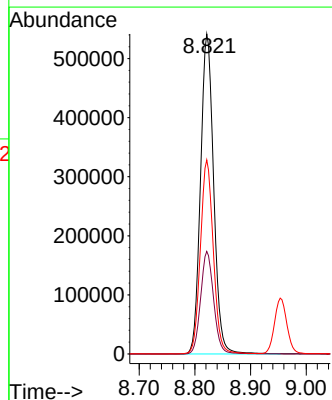
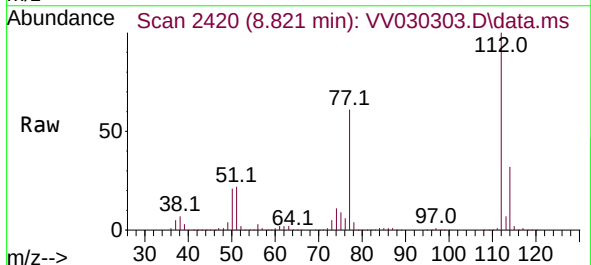
Instrument :
MSVOA_V
ClientSampleId :
VSTD020232

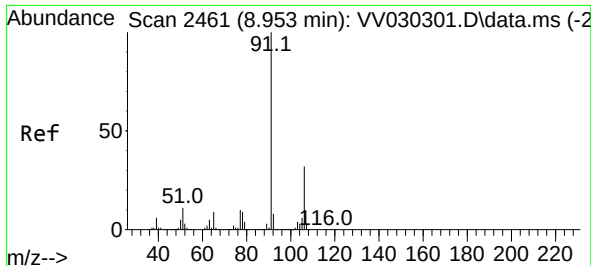
Tgt Ion:107 Resp: 207866
Ion Ratio Lower Upper
107 100
109 93.8 62.9 116.9
188 4.2 3.0 4.6



#51
Chlorobenzene
Concen: 24.259 ug/L
RT: 8.821 min Scan# 2420
Delta R.T. -0.000 min
Lab File: VV030303.D
Acq: 23 Mar 2023 11:20

Tgt Ion:112 Resp: 888912
Ion Ratio Lower Upper
112 100
114 32.1 22.4 41.6
77 60.6 45.9 68.9

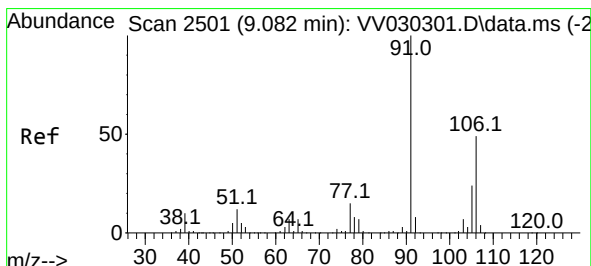
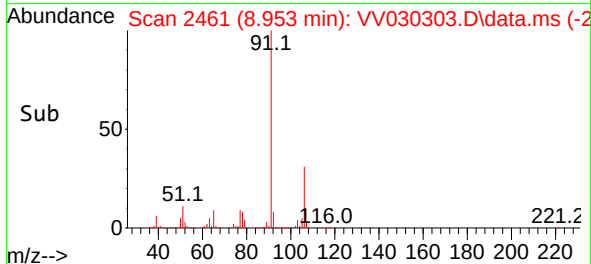
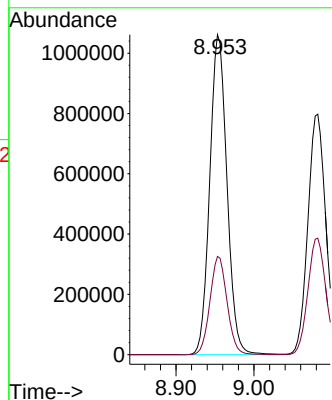
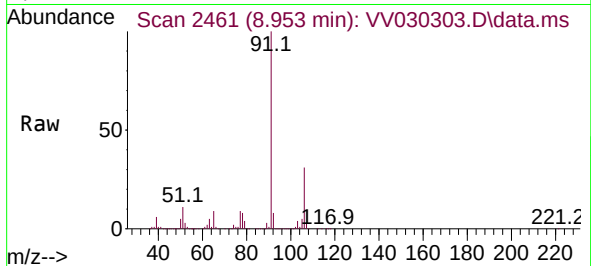




#52
Ethylbenzene
Concen: 26.059 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. -0.000 min
Lab File: VV030303.D
Acq: 23 Mar 2023 11:20

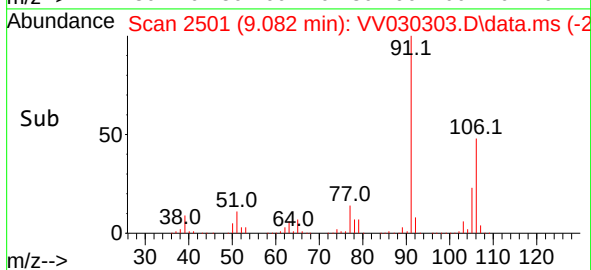
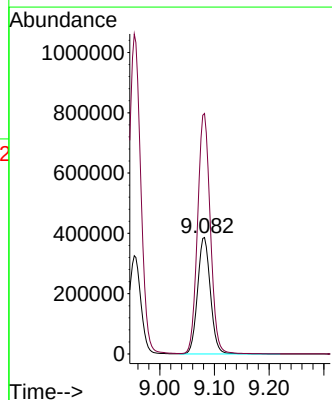
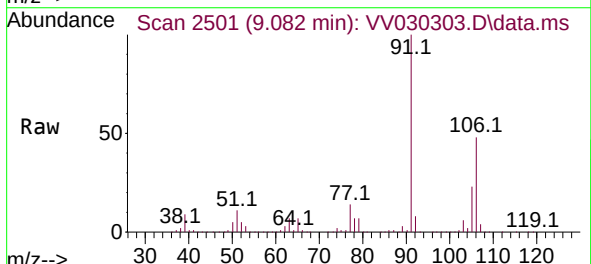
Instrument :
MSVOA_V
ClientSampleId :
VSTD020232

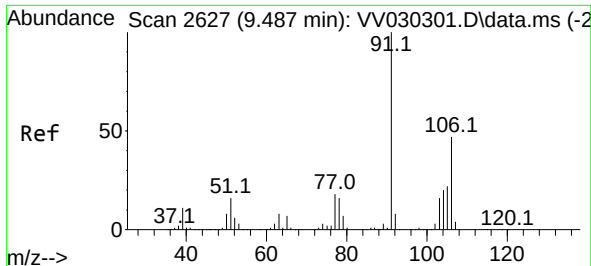
Tgt Ion: 91 Resp: 1631584
Ion Ratio Lower Upper
91 100
106 30.7 22.2 41.2



#53
m,p-Xylene
Concen: 26.153 ug/L
RT: 9.082 min Scan# 2501
Delta R.T. -0.000 min
Lab File: VV030303.D
Acq: 23 Mar 2023 11:20

Tgt Ion: 106 Resp: 626826
Ion Ratio Lower Upper
106 100
91 206.4 142.4 264.4

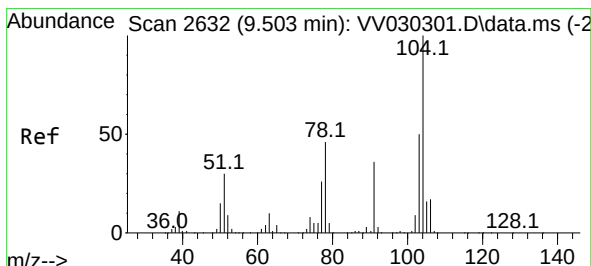
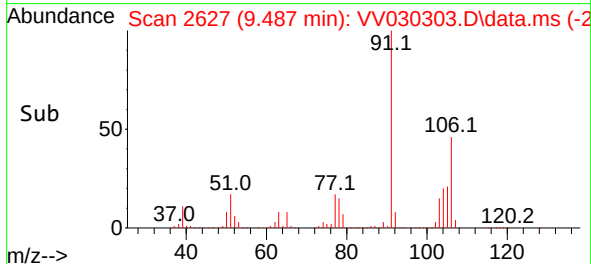
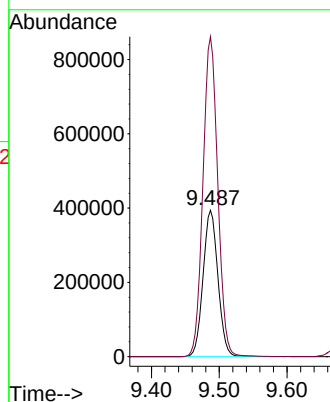
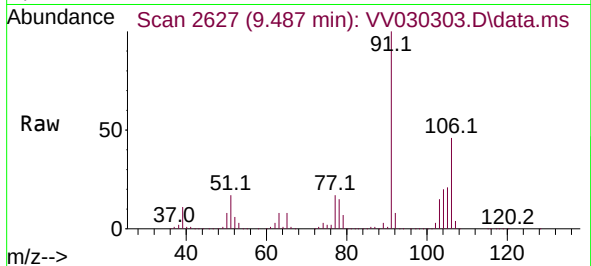




#54
o-Xylene
Concen: 26.170 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. -0.000 min
Lab File: VV030303.D
Acq: 23 Mar 2023 11:20

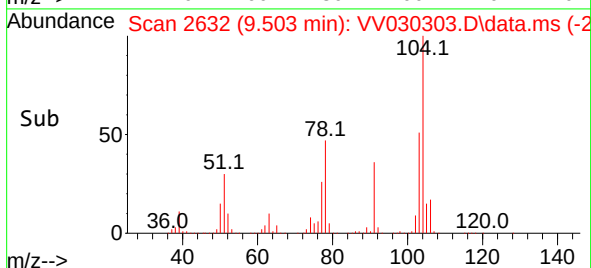
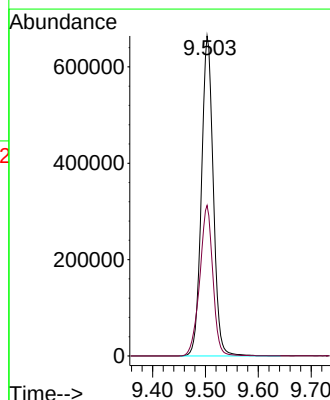
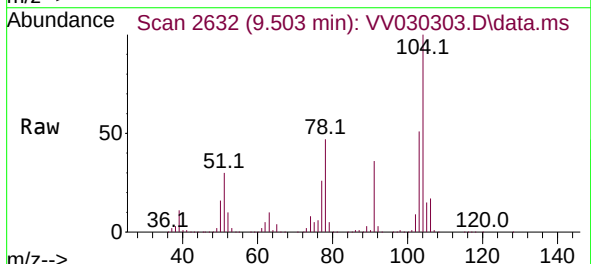
Instrument :
MSVOA_V
ClientSampleId :
VSTD020232

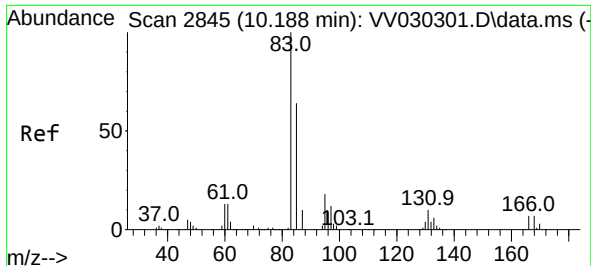
Tgt Ion:106 Resp: 600179
Ion Ratio Lower Upper
106 100
91 218.6 149.8 278.2



#55
Styrene
Concen: 26.564 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. -0.000 min
Lab File: VV030303.D
Acq: 23 Mar 2023 11:20

Tgt Ion:104 Resp: 1034726
Ion Ratio Lower Upper
104 100
78 47.0 31.9 59.2

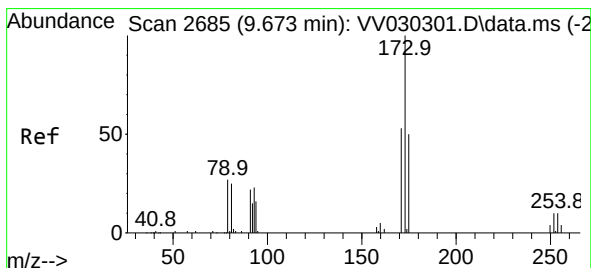
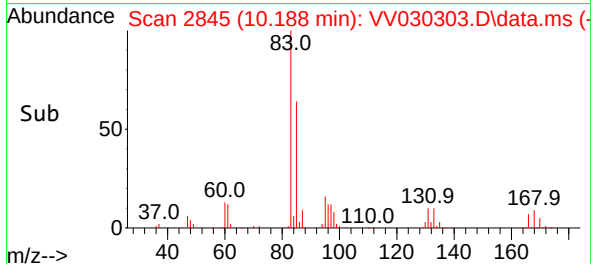
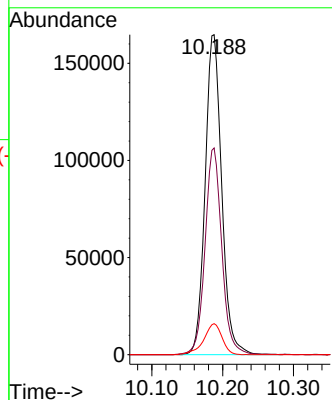
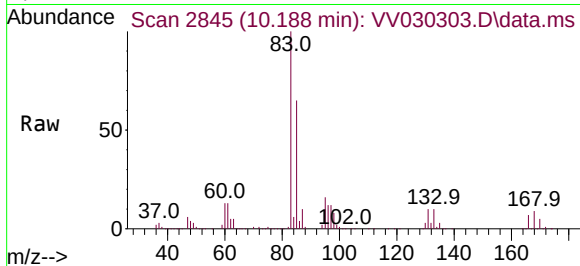




#57
1,1,2,2-Tetrachloroethane
Concen: 23.202 ug/L
RT: 10.188 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV030303.D
Acq: 23 Mar 2023 11:20

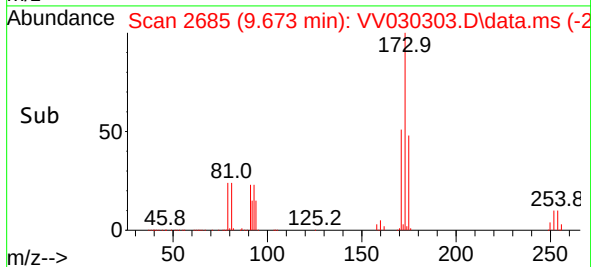
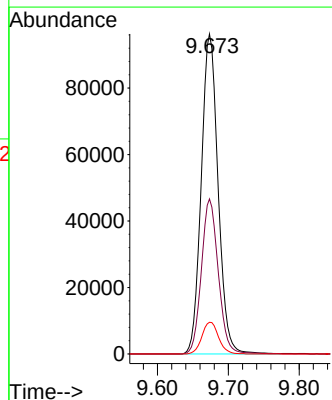
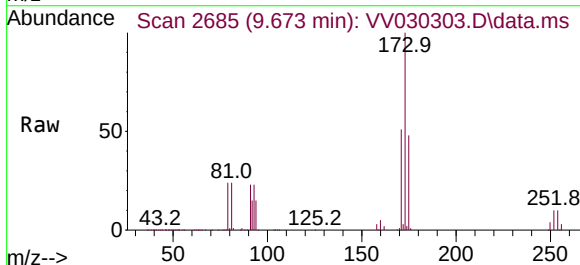
Instrument :
MSVOA_V
ClientSampleId :
VSTD020232

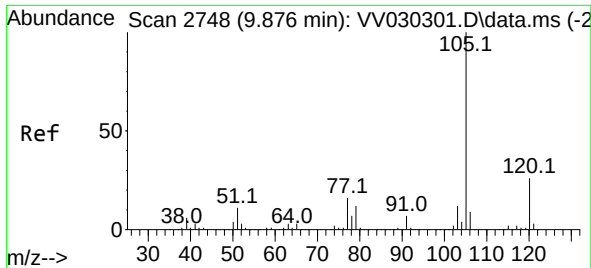
Tgt Ion: 83 Resp: 267474
Ion Ratio Lower Upper
83 100
85 64.6 45.3 84.1
131 9.7 8.2 12.4



#59
Bromoform
Concen: 21.673 ug/L
RT: 9.673 min Scan# 2685
Delta R.T. -0.000 min
Lab File: VV030303.D
Acq: 23 Mar 2023 11:20

Tgt Ion: 173 Resp: 159039
Ion Ratio Lower Upper
173 100
175 48.6 39.0 58.4
254 9.9 8.2 12.4

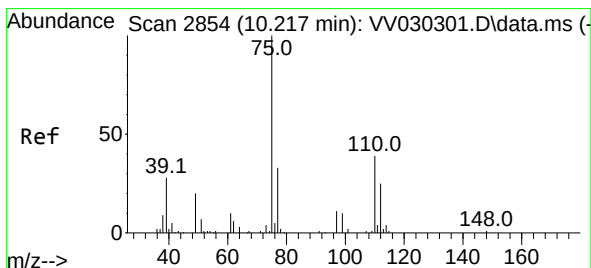
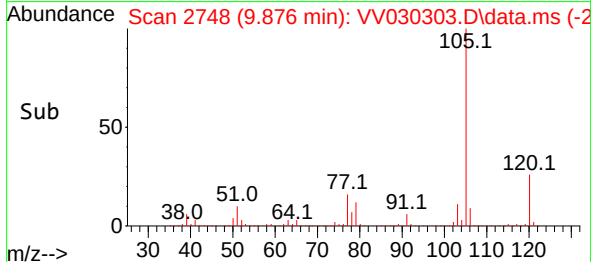
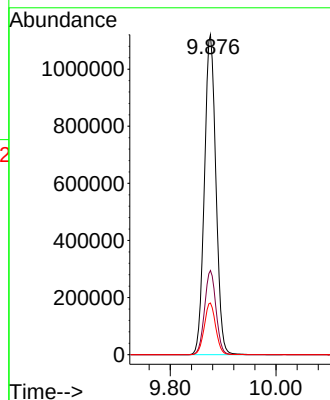
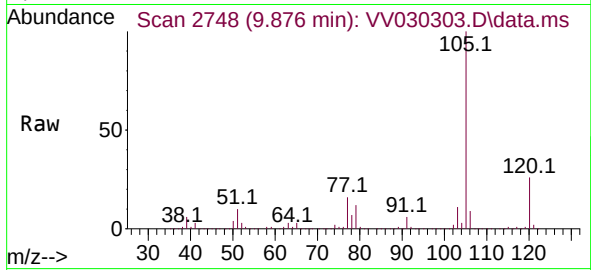




#60
Isopropylbenzene
Concen: 25.198 ug/L
RT: 9.876 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV030303.D
Acq: 23 Mar 2023 11:20

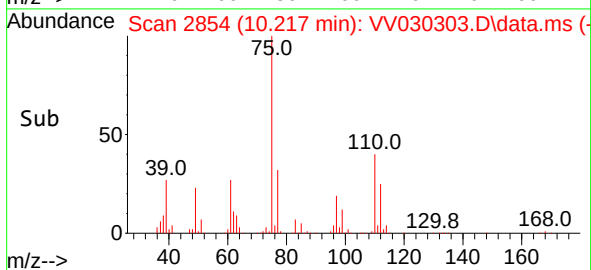
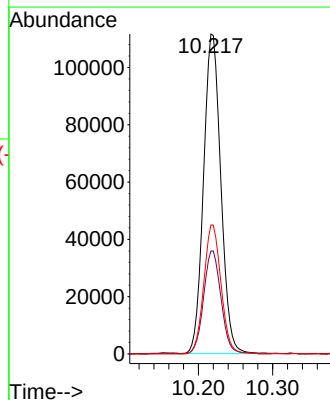
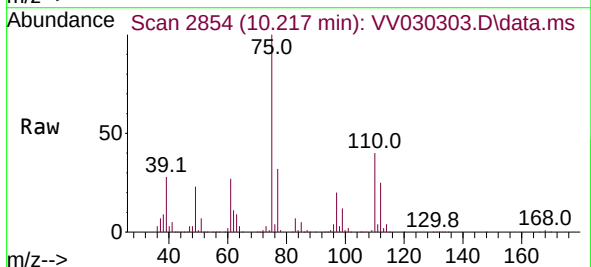
Instrument :
MSVOA_V
ClientSampleId :
VSTD020232

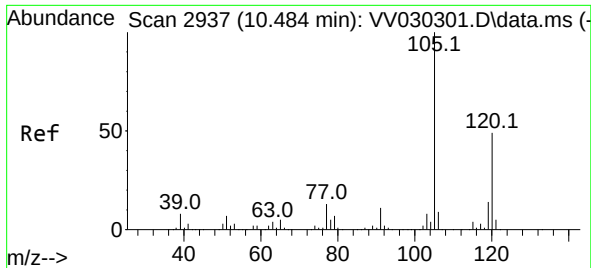
Tgt Ion:105 Resp: 1687115
Ion Ratio Lower Upper
105 100
120 26.3 21.1 31.7
77 16.1 12.9 19.3



#61
1,2,3-Trichloropropane
Concen: 22.216 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. -0.000 min
Lab File: VV030303.D
Acq: 23 Mar 2023 11:20

Tgt Ion: 75 Resp: 180334
Ion Ratio Lower Upper
75 100
77 32.1 26.0 39.0
110 40.2 31.6 47.4

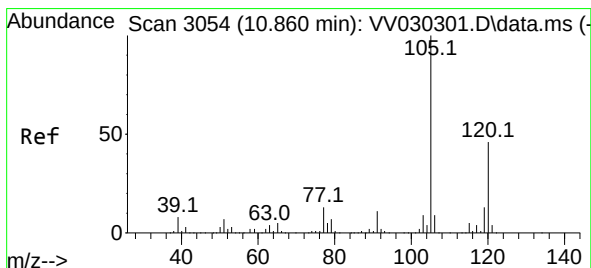
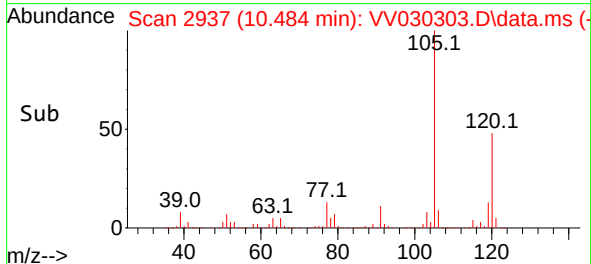
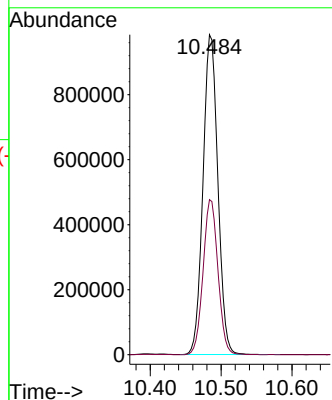
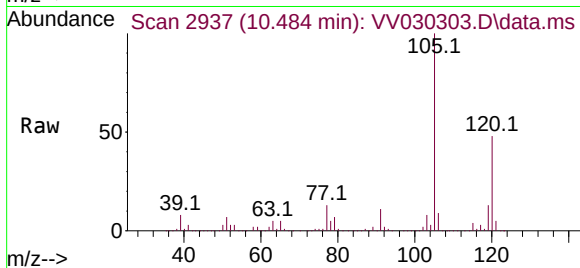




#62
1,3,5-Trimethylbenzene
Concen: 26.212 ug/L
RT: 10.484 min Scan# 2937
Delta R.T. -0.000 min
Lab File: VV030303.D
Acq: 23 Mar 2023 11:20

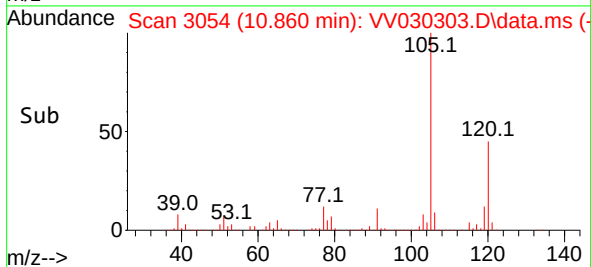
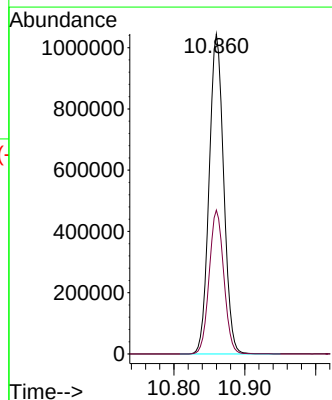
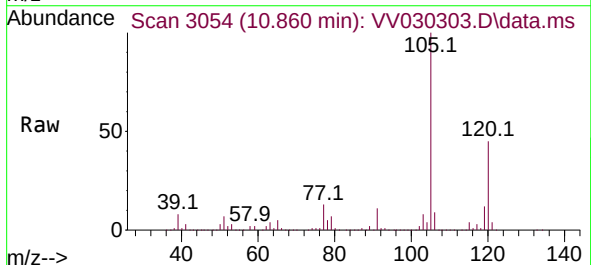
Instrument :
MSVOA_V
ClientSampleId :
VSTD020232

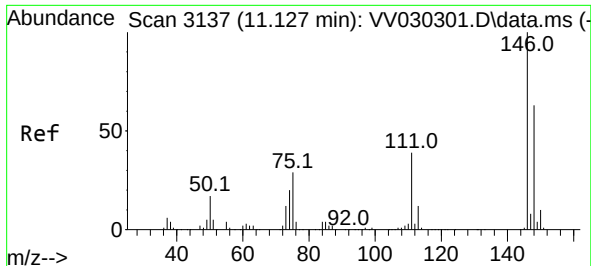
Tgt Ion:105 Resp: 1432095
Ion Ratio Lower Upper
105 100
120 48.4 38.9 58.3



#63
1,2,4-Trimethylbenzene
Concen: 26.760 ug/L
RT: 10.860 min Scan# 3054
Delta R.T. -0.000 min
Lab File: VV030303.D
Acq: 23 Mar 2023 11:20

Tgt Ion:105 Resp: 1489994
Ion Ratio Lower Upper
105 100
120 45.1 36.8 55.2

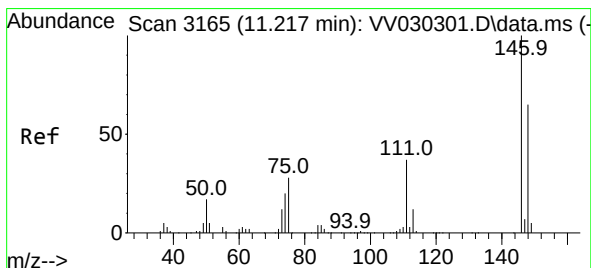
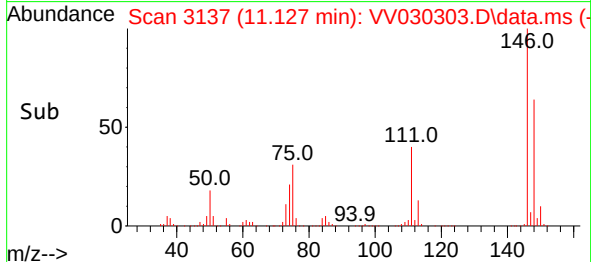
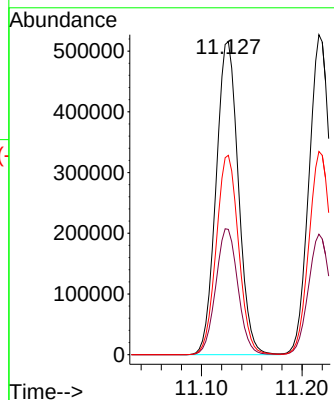
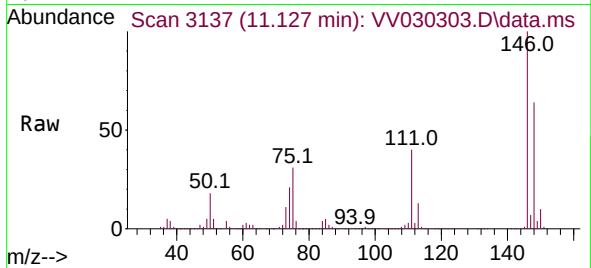




#64
 1,3-Dichlorobenzene
 Concen: 23.800 ug/L
 RT: 11.127 min Scan# 3137
 Delta R.T. -0.000 min
 Lab File: VV030303.D
 Acq: 23 Mar 2023 11:20

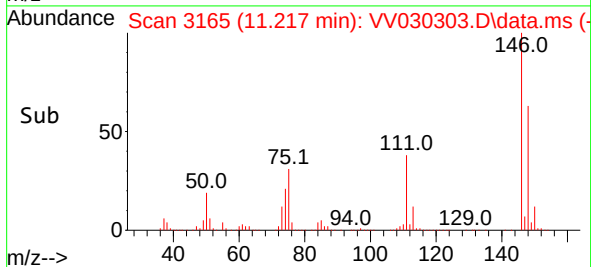
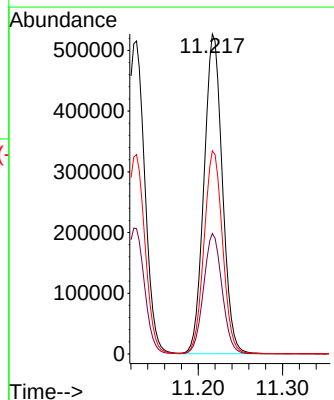
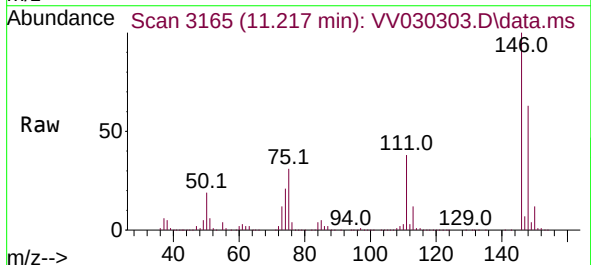
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD020232

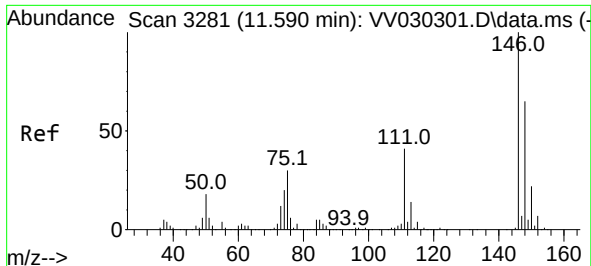
Tgt Ion:146 Resp: 794639
 Ion Ratio Lower Upper
 146 100
 111 40.0 27.0 50.2
 148 63.7 44.2 82.2



#65
 1,4-Dichlorobenzene
 Concen: 23.735 ug/L
 RT: 11.217 min Scan# 3165
 Delta R.T. -0.000 min
 Lab File: VV030303.D
 Acq: 23 Mar 2023 11:20

Tgt Ion:146 Resp: 798361
 Ion Ratio Lower Upper
 146 100
 111 37.7 26.0 48.4
 148 63.5 45.2 84.0





#67

1,2-Dichlorobenzene

Concen: 23.906 ug/L

RT: 11.587 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV030303.D

Acq: 23 Mar 2023 11:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD020232

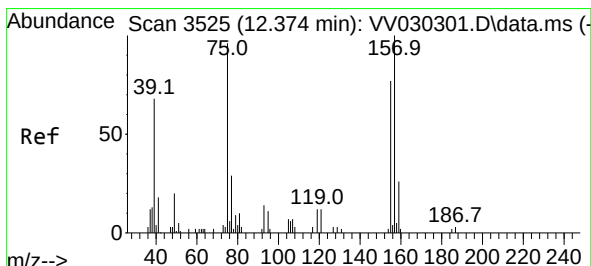
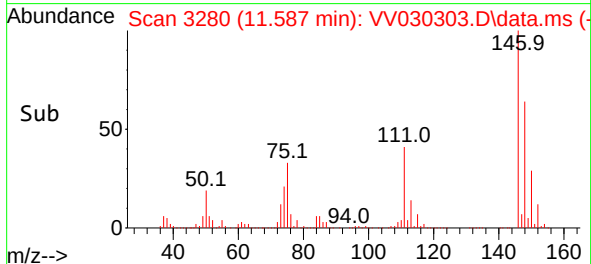
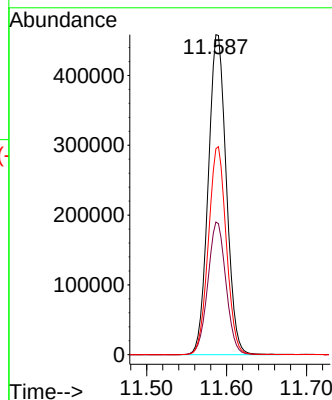
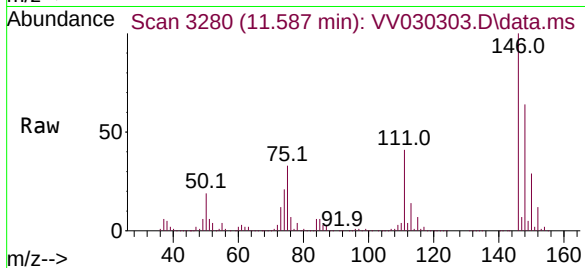
Tgt Ion:146 Resp: 719239

Ion Ratio Lower Upper

146 100

111 41.4 33.1 49.7

148 64.4 52.2 78.2



#68

1,2-Dibromo-3-chloropropane

Concen: 21.319 ug/L

RT: 12.374 min Scan# 3525

Delta R.T. -0.000 min

Lab File: VV030303.D

Acq: 23 Mar 2023 11:20

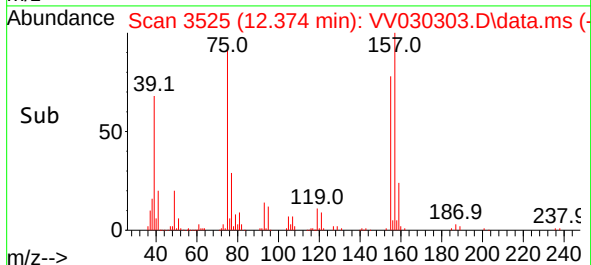
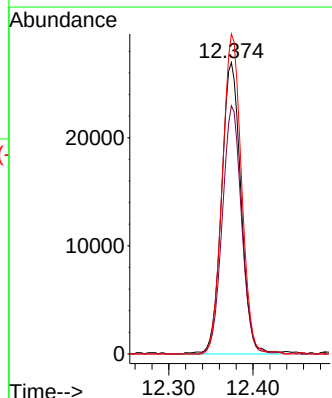
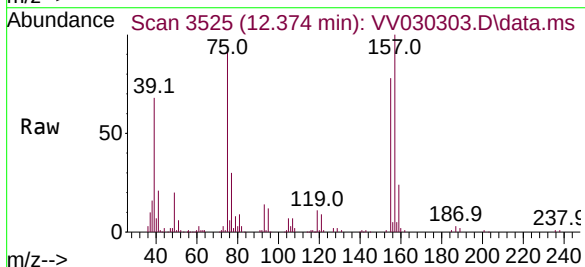
Tgt Ion: 75 Resp: 43043

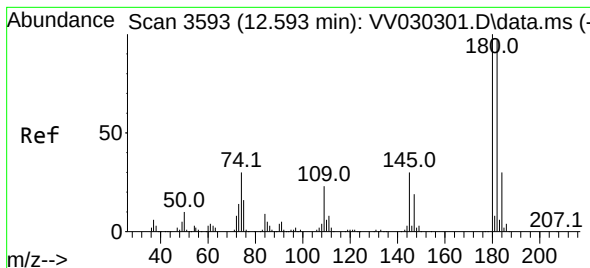
Ion Ratio Lower Upper

75 100

155 85.2 64.6 96.8

157 109.9 83.8 125.6





#69

1,3,5-Trichlorobenzene

Concen: 24.848 ug/L

RT: 12.593 min Scan# 3593

Delta R.T. -0.000 min

Lab File: VV030303.D

Acq: 23 Mar 2023 11:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD020232

Tgt Ion:180 Resp: 638790

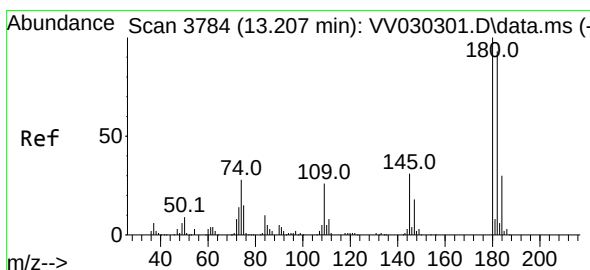
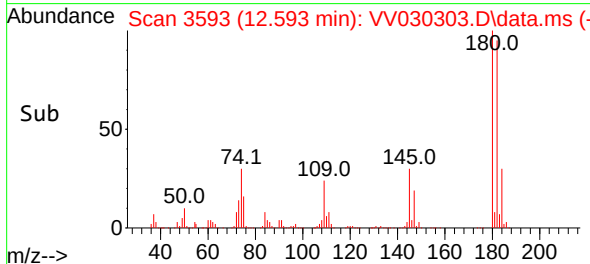
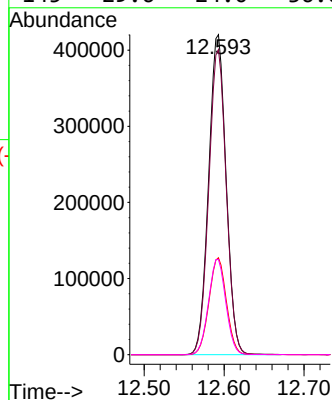
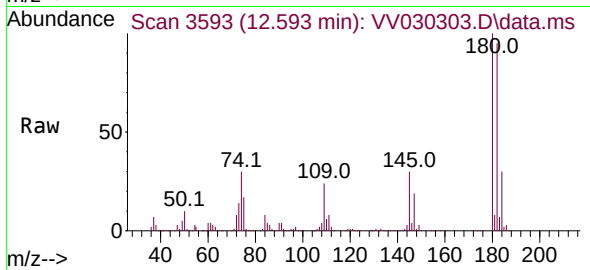
Ion Ratio Lower Upper

180 100

182 95.2 76.5 114.7

184 30.3 24.0 36.0

145 29.6 24.0 36.0



#70

1,2,4-trichlorobenzene

Concen: 26.005 ug/L

RT: 13.207 min Scan# 3784

Delta R.T. -0.000 min

Lab File: VV030303.D

Acq: 23 Mar 2023 11:20

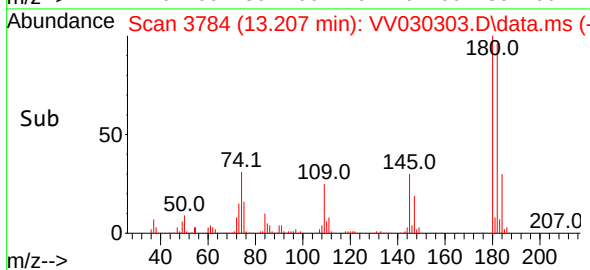
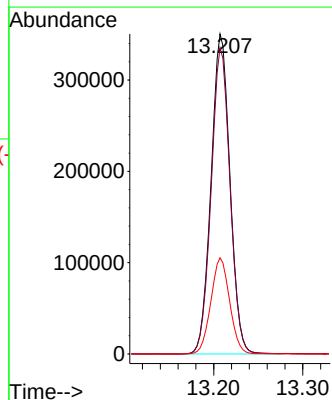
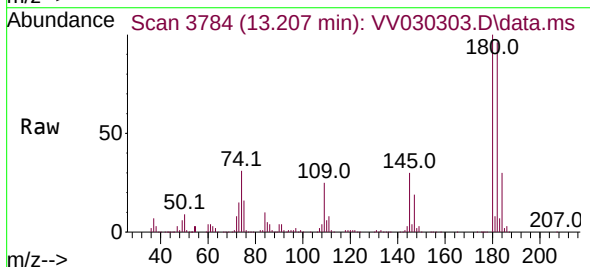
Tgt Ion:180 Resp: 516165

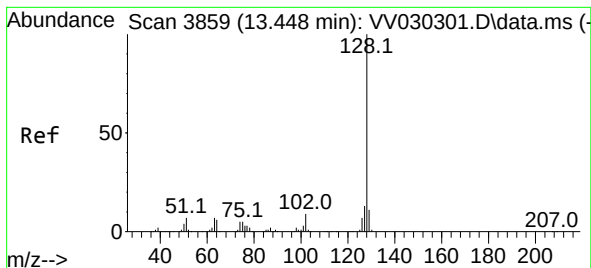
Ion Ratio Lower Upper

180 100

182 95.5 75.3 112.9

145 29.9 23.8 35.6





#71

Naphthalene

Concen: 26.938 ug/L

RT: 13.448 min Scan# 3859

Delta R.T. -0.000 min

Lab File: VV030303.D

Acq: 23 Mar 2023 11:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD020232

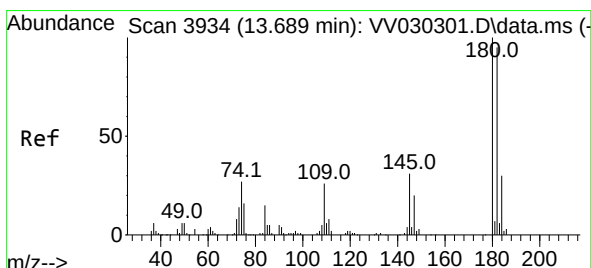
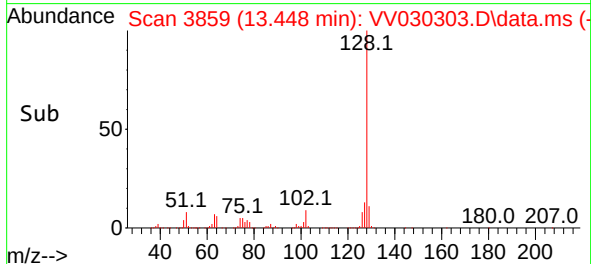
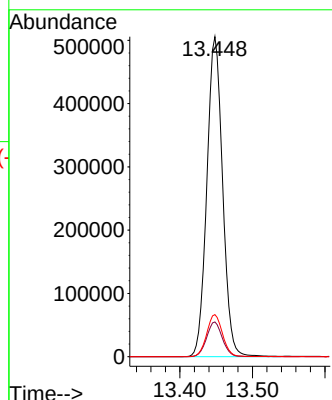
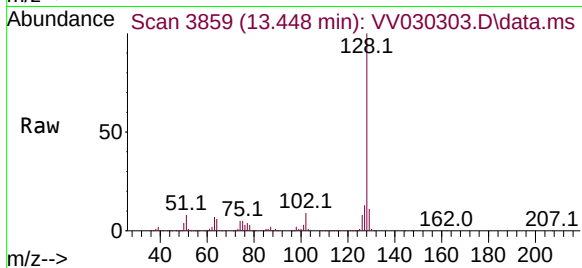
Tgt Ion:128 Resp: 763606

Ion Ratio Lower Upper

128 100

129 10.8 8.9 13.3

127 13.2 10.8 16.2



#72

1,2,3-Trichlorobenzene

Concen: 25.368 ug/L

RT: 13.689 min Scan# 3934

Delta R.T. -0.000 min

Lab File: VV030303.D

Acq: 23 Mar 2023 11:20

Tgt Ion:180 Resp: 436215

Ion Ratio Lower Upper

180 100

182 95.6 76.6 115.0

145 32.0 25.0 37.4

