

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW042023\
 Data File : VW030730.D
 Acq On : 20 Apr 2023 20:28
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050297

Quant Time: Apr 21 00:21:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM041723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 21 00:14:50 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	204639	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.793	117	202788	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	122109	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	78781	52.515	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 105.020%			
7) Chloroethane-d5	1.536	69	68534	54.516	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 109.040%			
11) 1,1-Dichloroethene-d2	2.066	65	36529	51.346	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 102.700%			
21) 2-Butanone-d5	3.802	46	89607	108.749	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 108.750%			
24) Chloroform-d	4.259	84	144031	52.979	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 105.960%			
26) 1,2-Dichloroethane-d4	4.953	65	96060	54.958	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 109.920%			
32) Benzene-d6	4.973	84	260298	54.291	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 108.580%			
36) 1,2-Dichloropropane-d6	5.998	67	76987	51.694	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 103.380%			
41) Toluene-d8	7.252	98	250088	55.556	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 111.120%			
43) trans-1,3-Dichloroprop...	7.558	79	40239	53.607	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 107.220%			
47) 2-Hexanone-d5	8.034	63	61357	104.582	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 104.580%			
56) 1,1,2,2-Tetrachloroeth...	10.159	84	117791	54.507	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 109.020%			
66) 1,2-Dichlorobenzene-d4	11.567	152	104827	54.010	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 108.020%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.108	85	87659	49.823	ug/L	97
3) Chloromethane	1.217	50	103959	45.044	ug/L	98
5) Vinyl chloride	1.288	62	92791	49.868	ug/L	99
6) Bromomethane	1.494	94	38634	52.362	ug/L	95
8) Chloroethane	1.555	64	64145	50.261	ug/L	97
9) Trichlorofluoromethane	1.719	101	160860	53.340	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.076	101	81016	51.118	ug/L	99
12) 1,1-Dichloroethene	2.076	96	75102	52.412	ug/L	99
13) Acetone	2.127	43	93566	73.384	ug/L	96
14) Carbon disulfide	2.249	76	196204	48.478	ug/L	99
15) Methyl Acetate	2.381	43	89874	52.820	ug/L	99
16) Methylene chloride	2.455	84	81435	49.663	ug/L	96
17) trans-1,2-Dichloroethene	2.703	96	72166	49.888	ug/L	97
18) Methyl tert-butyl Ether	2.712	73	253078	54.620	ug/L	97
19) 1,1-Dichloroethane	3.121	63	150257	50.947	ug/L	100
20) cis-1,2-Dichloroethene	3.825	96	82531	52.448	ug/L	100
22) 2-Butanone	3.883	43	118440	89.889	ug/L	98
23) Bromochloromethane	4.159	128	47590	54.150	ug/L	97
25) Chloroform	4.288	83	162613	53.270	ug/L	97

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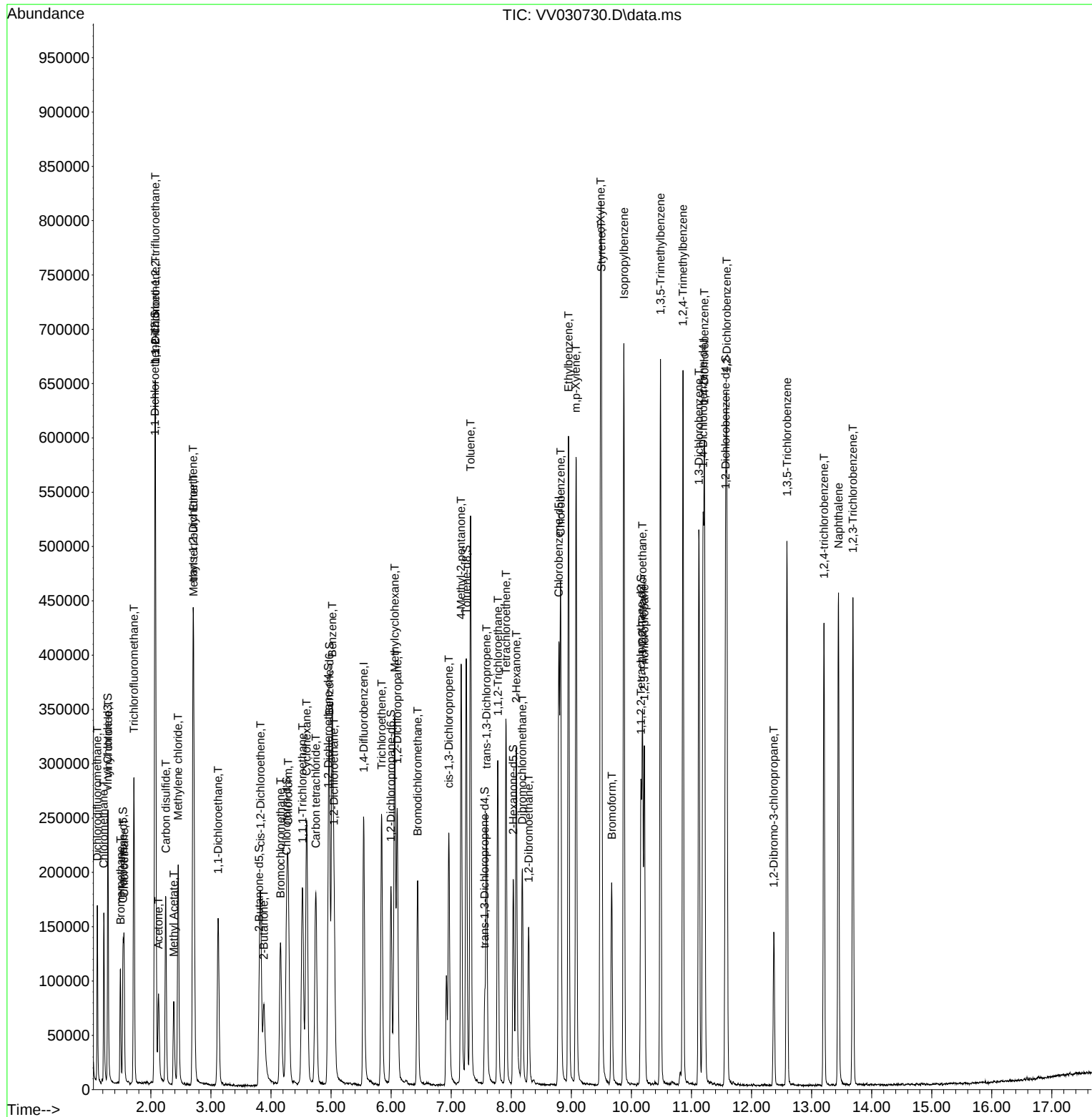
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.050	62	139790	54.097	ug/L	99
29) Cyclohexane	4.593	56	122665	50.406	ug/L	98
30) 1,1,1-Trichloroethane	4.523	97	150880	52.950	ug/L	100
31) Carbon tetrachloride	4.748	117	132258	51.914	ug/L	98
33) Benzene	5.021	78	327251	53.142	ug/L	100
34) Trichloroethene	5.841	95	82960	51.793	ug/L	97
35) Methylcyclohexane	6.059	83	127738	50.895	ug/L	99
37) 1,2-Dichloropropane	6.101	63	85538	51.608	ug/L	99
38) Bromodichloromethane	6.442	83	120424	51.721	ug/L	99
39) cis-1,3-Dichloropropene	6.960	75	127475	51.243	ug/L	98
40) 4-Methyl-2-pentanone	7.166	43	256725	110.882	ug/L	99
42) Toluene	7.323	91	363051	55.042	ug/L	98
44) trans-1,3-Dichloropropene	7.587	75	132133	54.064	ug/L	99
45) 1,1,2-Trichloroethane	7.776	97	86168	51.846	ug/L	98
46) Tetrachloroethene	7.912	164	73949	52.744	ug/L	97
48) 2-Hexanone	8.085	43	195003	102.075	ug/L	99
49) Dibromochloromethane	8.185	129	96096	52.418	ug/L	95
50) 1,2-Dibromoethane	8.291	107	90181	52.367	ug/L	100
51) Chlorobenzene	8.821	112	228887	52.397	ug/L	99
52) Ethylbenzene	8.953	91	391632	53.633	ug/L	99
53) m,p-Xylene	9.079	106	151455	54.912	ug/L	98
54) o-Xylene	9.487	106	148904	55.185	ug/L	97
55) Styrene	9.503	104	268921	56.738	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.185	83	141658	51.913	ug/L	97
59) Bromoform	9.674	173	80998	52.981	ug/L	99
60) Isopropylbenzene	9.876	105	403572	52.994	ug/L	100
61) 1,2,3-Trichloropropane	10.217	75	108933	49.808	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	330811	52.760	ug/L	100
63) 1,2,4-Trimethylbenzene	10.860	105	329368	52.611	ug/L	99
64) 1,3-Dichlorobenzene	11.124	146	200407	52.563	ug/L	99
65) 1,4-Dichlorobenzene	11.217	146	207613	51.639	ug/L	100
67) 1,2-Dichlorobenzene	11.587	146	202912	52.754	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.371	75	32041	49.449	ug/L	93
69) 1,3,5-Trichlorobenzene	12.590	180	151482	52.595	ug/L	99
70) 1,2,4-trichlorobenzene	13.207	180	124528	50.923	ug/L	100
71) Naphthalene	13.448	128	339534	50.757	ug/L	100
72) 1,2,3-Trichlorobenzene	13.689	180	129924	53.580	ug/L	99

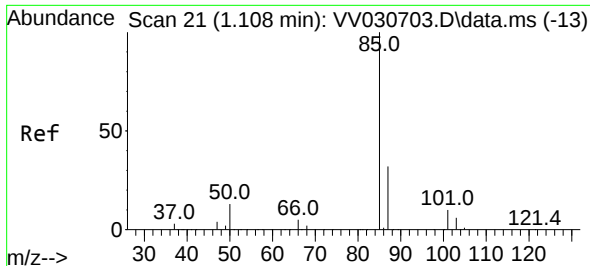
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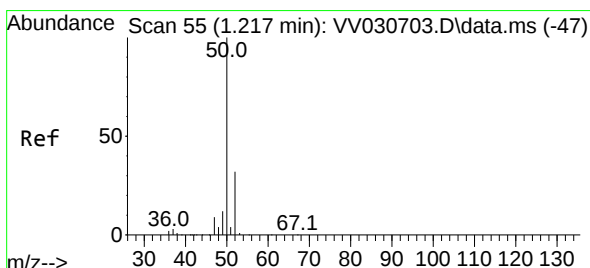
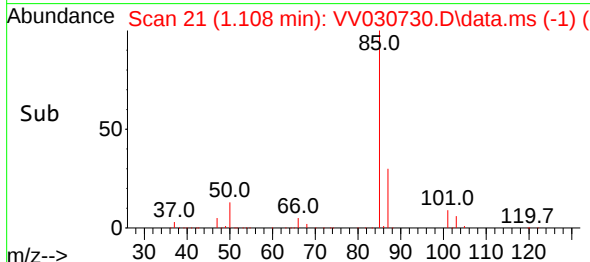
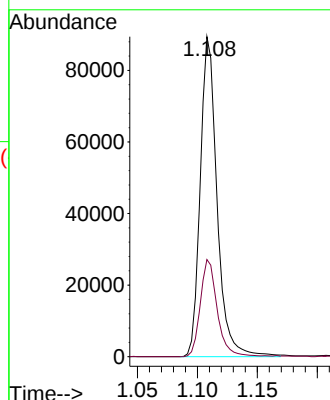
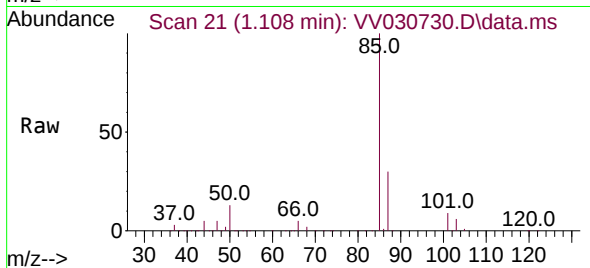




#2
 Dichlorodifluoromethane
 Concen: 49.823 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV030730.D
 Acq: 20 Apr 2023 20:28

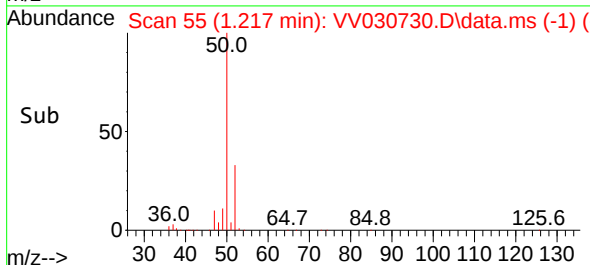
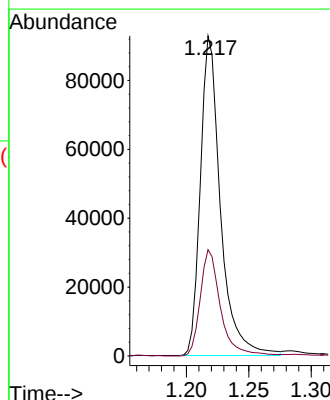
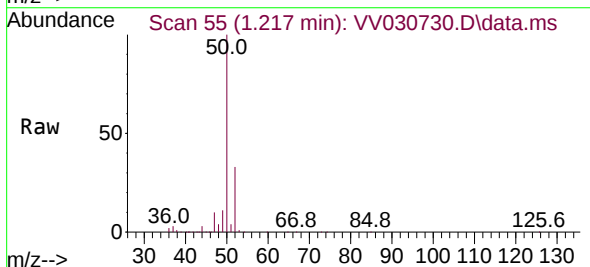
Instrument :
 MSVOA_V
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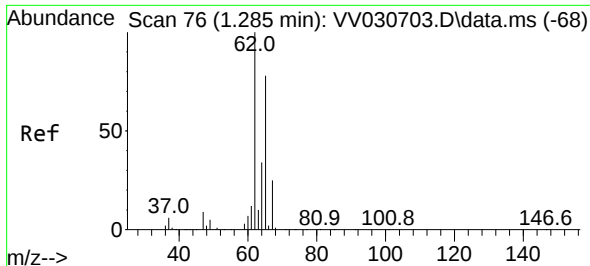
Tgt Ion: 85 Resp: 87659
 Ion Ratio Lower Upper
 85 100
 87 30.4 25.6 38.4



#3
 Chloromethane
 Concen: 45.044 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV030730.D
 Acq: 20 Apr 2023 20:28

Tgt Ion: 50 Resp: 103959
 Ion Ratio Lower Upper
 50 100
 52 33.2 22.5 41.9

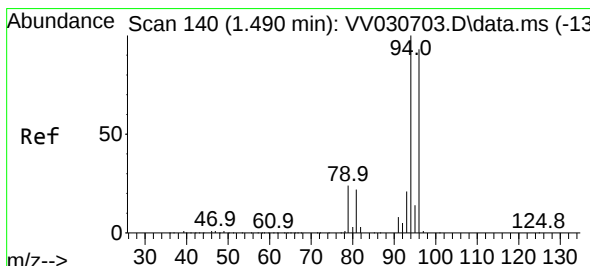
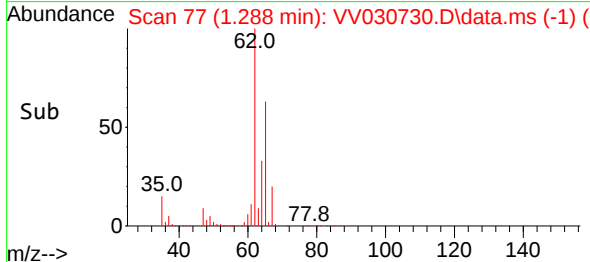
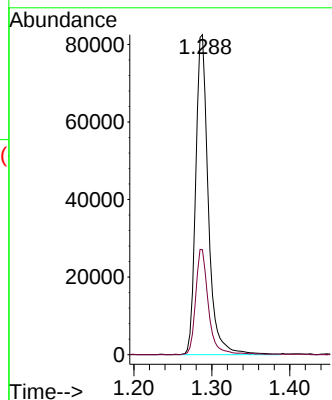
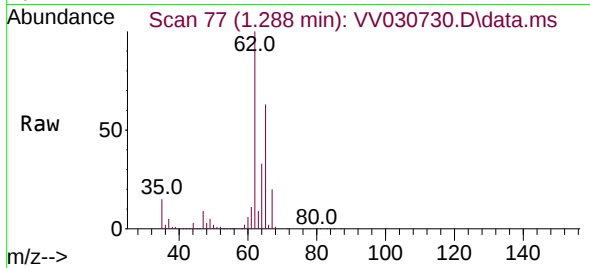




#5
 Vinyl chloride
 Concen: 49.868 ug/L
 RT: 1.288 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VV030730.D
 Acq: 20 Apr 2023 20:28

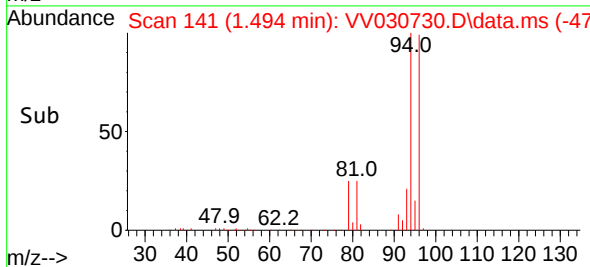
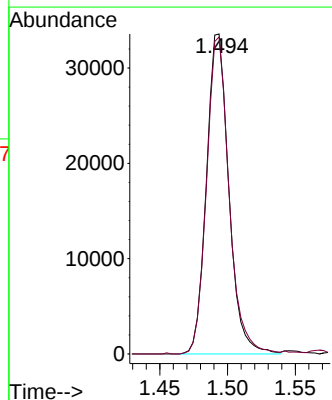
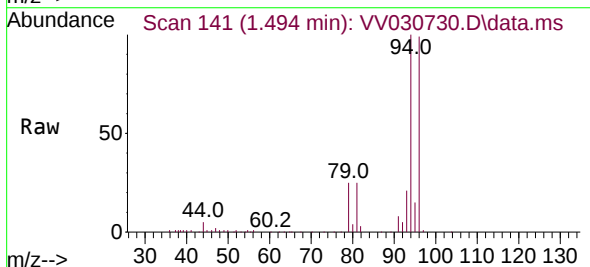
Instrument :
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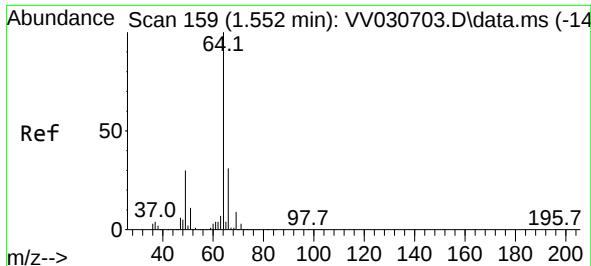
Tgt Ion: 62 Resp: 92791
 Ion Ratio Lower Upper
 62 100
 64 32.8 23.4 43.4



#6
 Bromomethane
 Concen: 52.362 ug/L
 RT: 1.494 min Scan# 141
 Delta R.T. 0.003 min
 Lab File: VV030730.D
 Acq: 20 Apr 2023 20:28

Tgt Ion: 94 Resp: 38634
 Ion Ratio Lower Upper
 94 100
 96 99.1 66.3 123.1

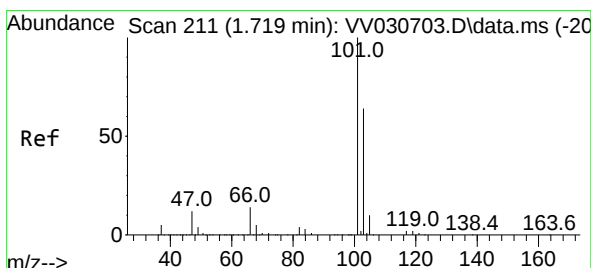
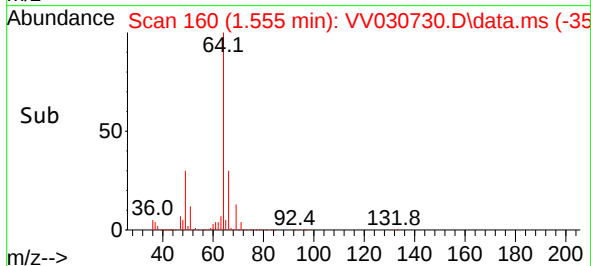
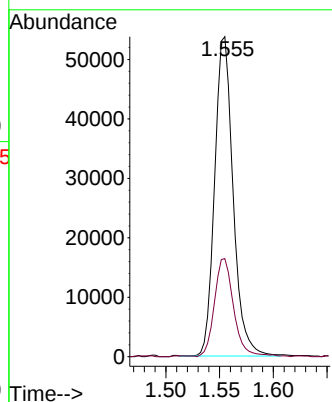
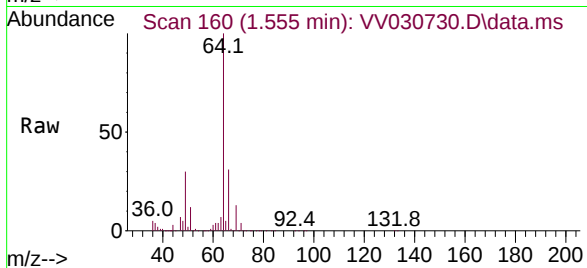




#8
Chloroethane
Concen: 50.261 ug/L
RT: 1.555 min Scan# 159
Delta R.T. 0.003 min
Lab File: VV030730.D
Acq: 20 Apr 2023 20:28

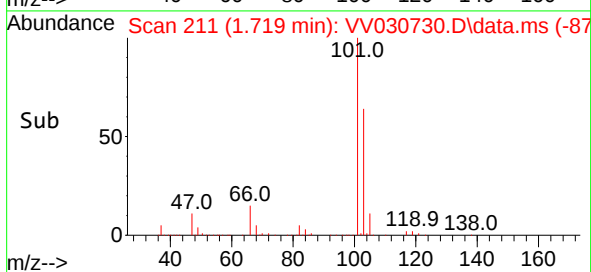
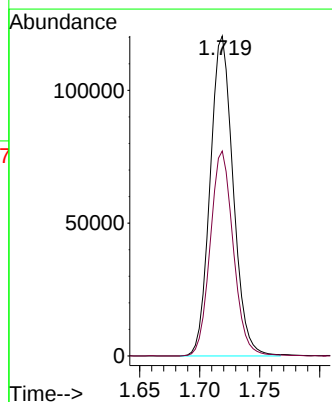
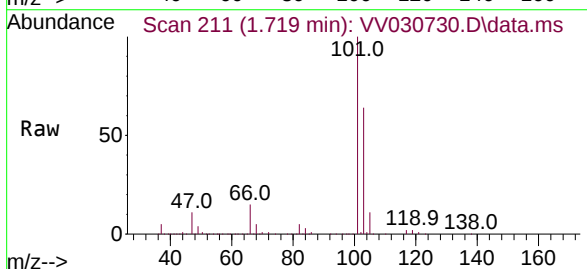
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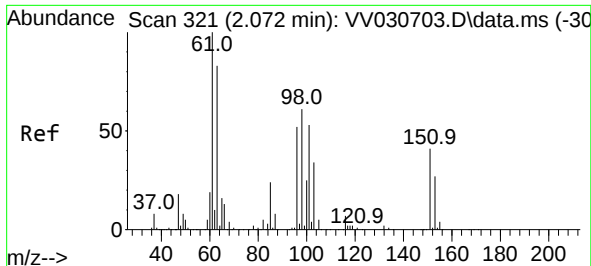
Tgt Ion: 64 Resp: 64145
Ion Ratio Lower Upper
64 100
66 30.6 22.7 42.3



#9
Trichlorofluoromethane
Concen: 53.340 ug/L
RT: 1.719 min Scan# 211
Delta R.T. 0.000 min
Lab File: VV030730.D
Acq: 20 Apr 2023 20:28

Tgt Ion: 101 Resp: 160860
Ion Ratio Lower Upper
101 100
103 64.2 51.4 77.0

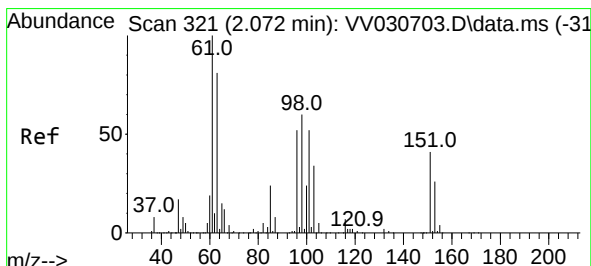
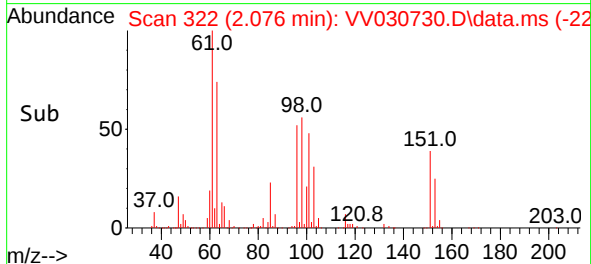
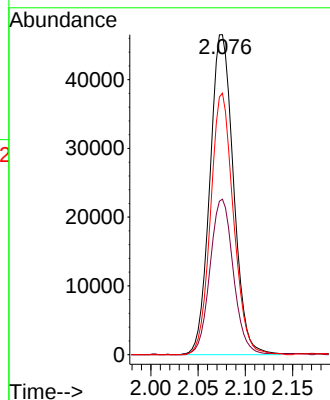
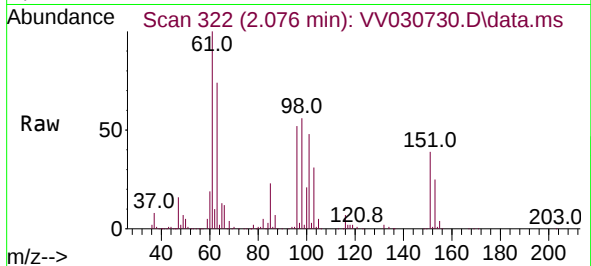




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 51.118 ug/L
RT: 2.076 min Scan# 311
Delta R.T. 0.003 min
Lab File: VV030730.D
Acq: 20 Apr 2023 20:28

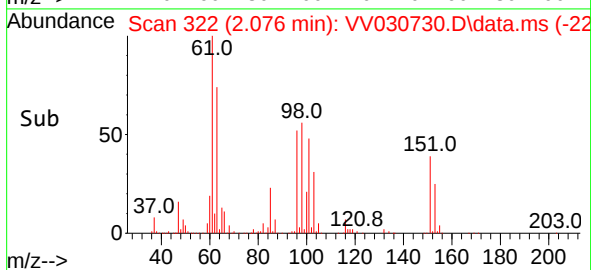
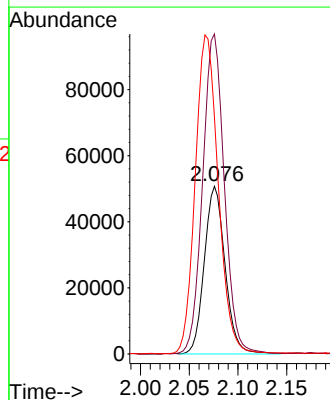
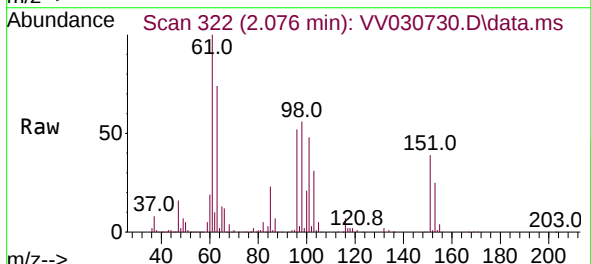
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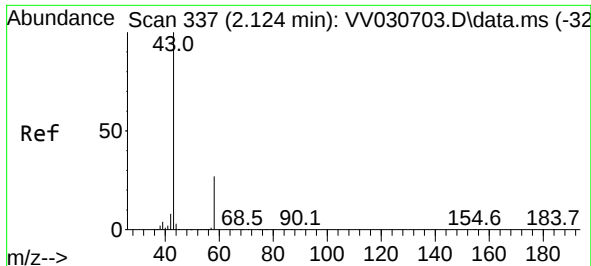
Tgt Ion:101 Resp: 81016
Ion Ratio Lower Upper
101 100
85 48.2 37.5 56.3
151 79.0 63.5 95.3



#12
1,1-Dichloroethene
Concen: 52.412 ug/L
RT: 2.076 min Scan# 322
Delta R.T. 0.003 min
Lab File: VV030730.D
Acq: 20 Apr 2023 20:28

Tgt Ion: 96 Resp: 75102
Ion Ratio Lower Upper
96 100
61 190.8 131.9 245.0
63 141.4 99.8 185.3





#13

Acetone

Concen: 73.384 ug/L

RT: 2.127 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV030730.D

Acq: 20 Apr 2023 20:28

Instrument :

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ClientSampleId :

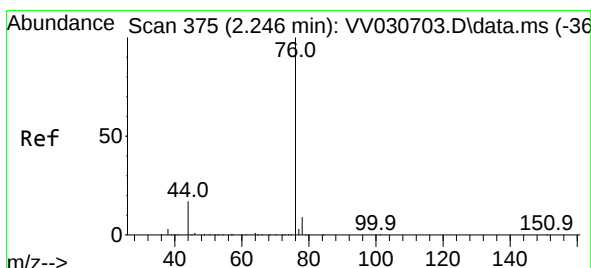
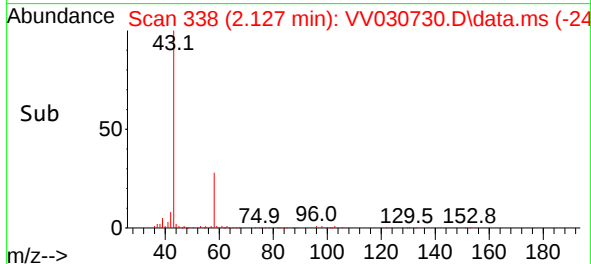
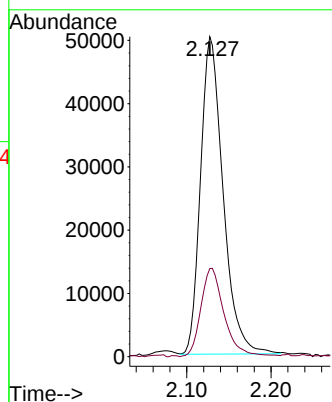
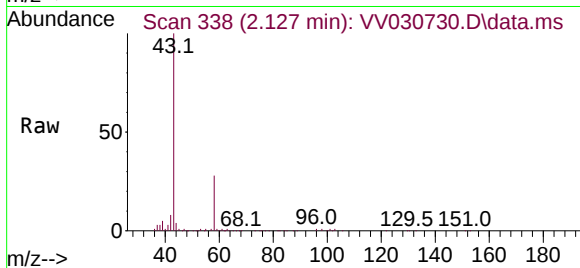
VSTD050297

Tgt Ion: 43 Resp: 93566

Ion Ratio Lower Upper

43 100

58 28.6 0.0 52.8



#14

Carbon disulfide

Concen: 48.478 ug/L

RT: 2.249 min Scan# 376

Delta R.T. 0.003 min

Lab File: VV030730.D

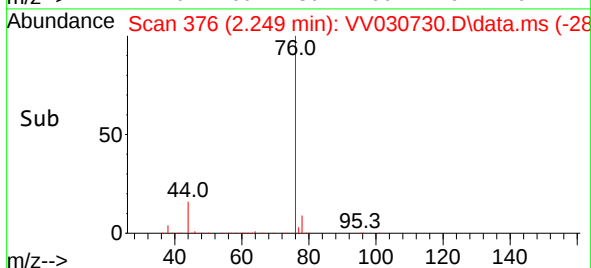
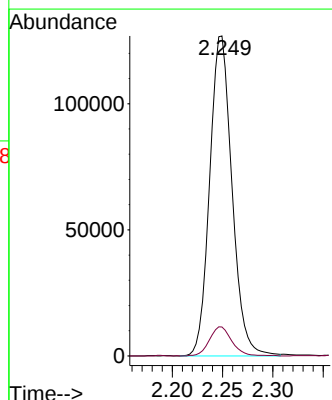
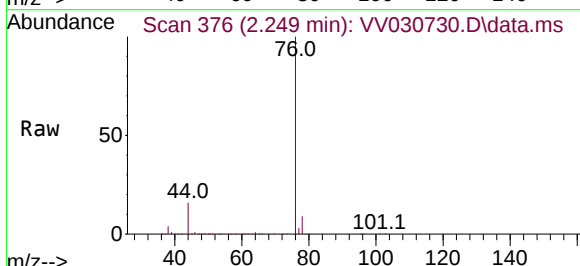
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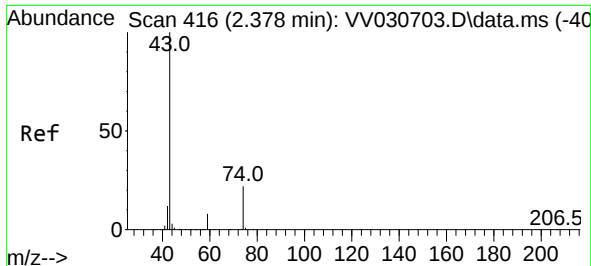
Tgt Ion: 76 Resp: 196204

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.4

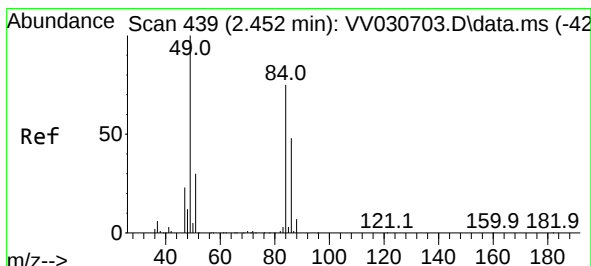
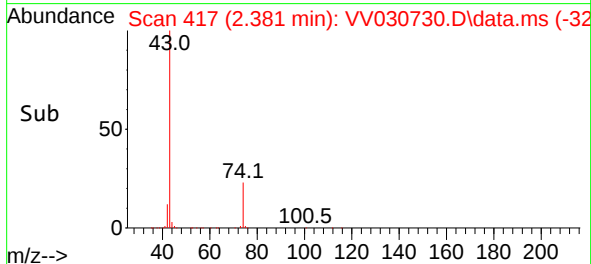
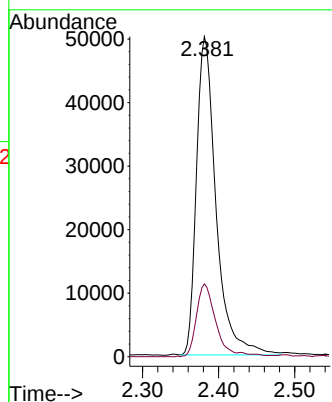
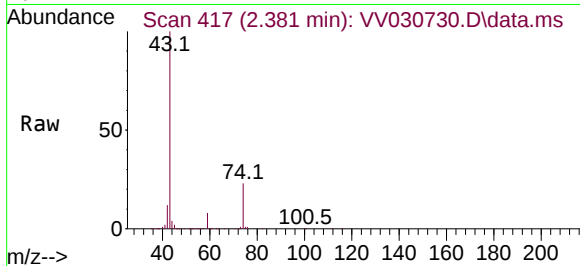




#15
Methyl Acetate
Concen: 52.820 ug/L
RT: 2.381 min Scan# 416
Delta R.T. 0.003 min
Lab File: VV030730.D
Acq: 20 Apr 2023 20:28

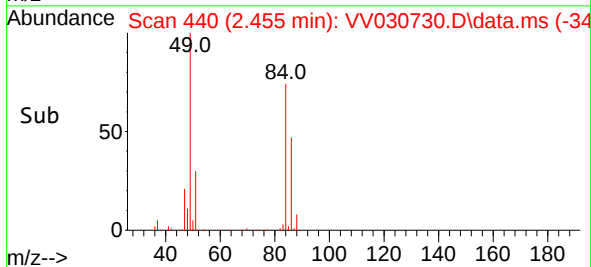
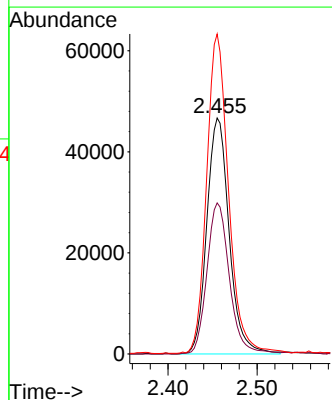
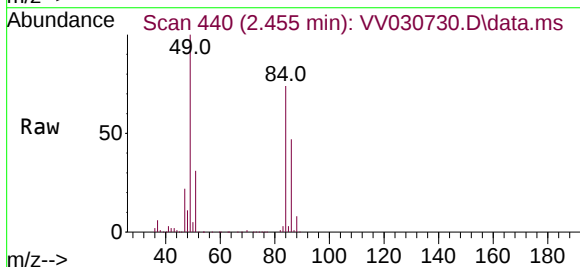
Instrument :
MSVOA_V
ClientSampleId :
VSTD050297

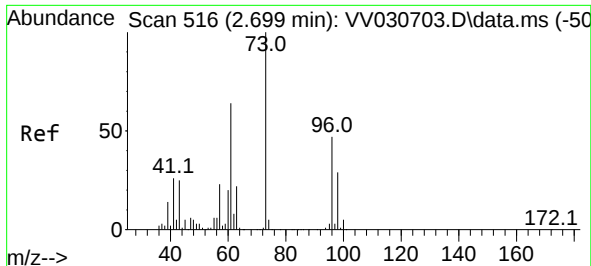
Tgt Ion: 43 Resp: 89874
Ion Ratio Lower Upper
43 100
74 21.7 17.7 26.5



#16
Methylene chloride
Concen: 49.663 ug/L
RT: 2.455 min Scan# 440
Delta R.T. 0.003 min
Lab File: VV030730.D
Acq: 20 Apr 2023 20:28

Tgt Ion: 84 Resp: 81435
Ion Ratio Lower Upper
84 100
86 64.0 45.4 84.2
49 135.6 90.4 168.0

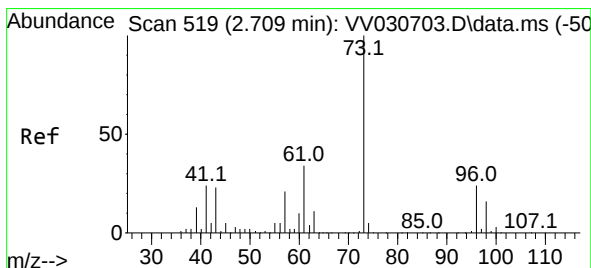
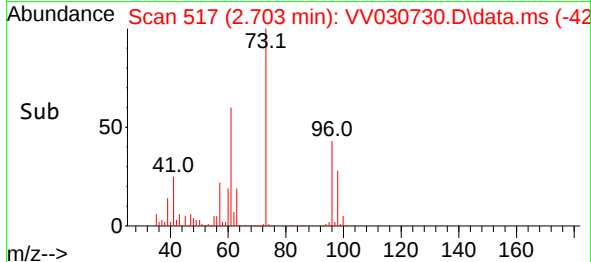
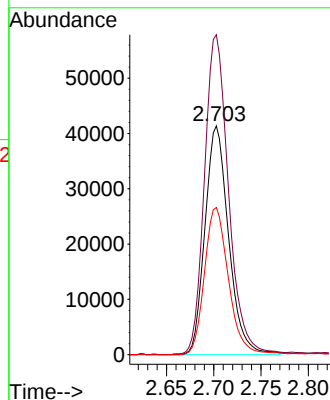
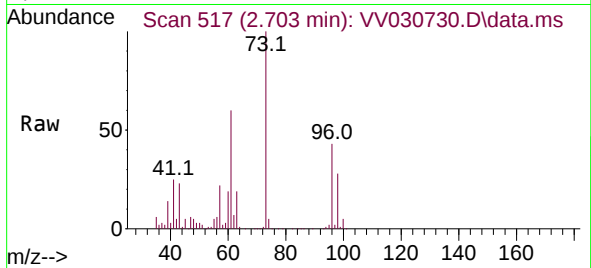




#17
trans-1,2-Dichloroethene
Concen: 49.888 ug/L
RT: 2.703 min Scan# 516
Delta R.T. 0.003 min
Lab File: VV030730.D
Acq: 20 Apr 2023 20:28

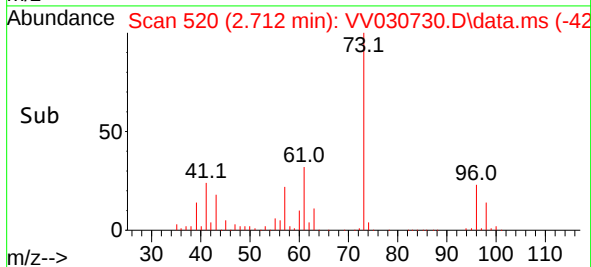
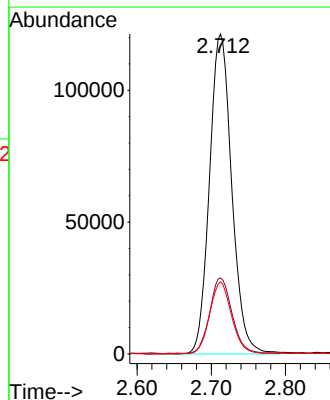
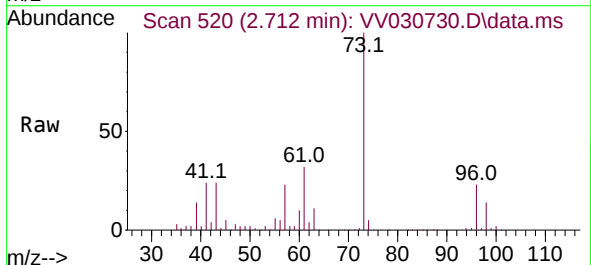
Instrument :
MSVOA_V
ClientSampleId :
VSTD050297

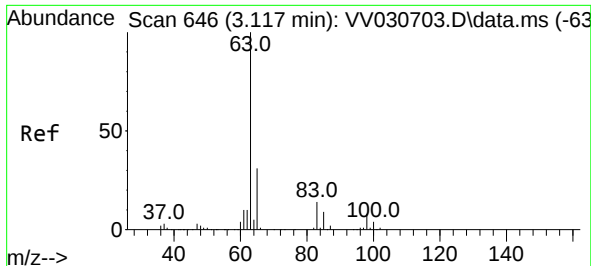
Tgt Ion: 96 Resp: 72166
Ion Ratio Lower Upper
96 100
61 139.8 101.0 187.6
98 64.4 45.4 84.2



#18
Methyl tert-butyl Ether
Concen: 54.620 ug/L
RT: 2.712 min Scan# 520
Delta R.T. 0.003 min
Lab File: VV030730.D
Acq: 20 Apr 2023 20:28

Tgt Ion: 73 Resp: 253078
Ion Ratio Lower Upper
73 100
43 23.5 17.6 26.4
57 21.8 18.2 27.2





#19

1,1-Dichloroethane

Concen: 50.947 ug/L

RT: 3.121 min Scan# 647

Delta R.T. 0.003 min

Lab File: VV030730.D

Acq: 20 Apr 2023 20:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD050297

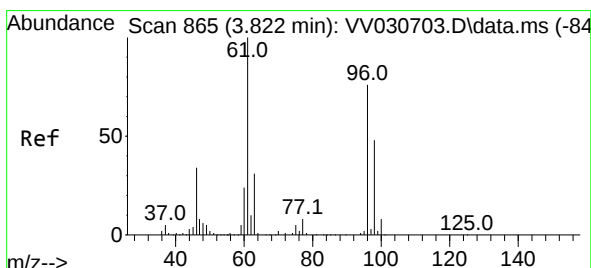
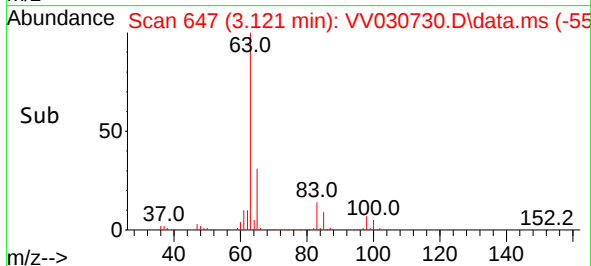
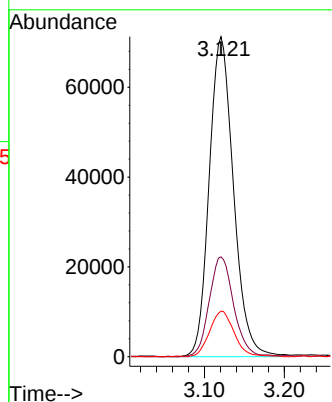
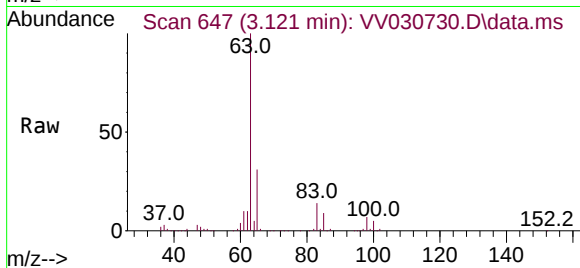
Tgt Ion: 63 Resp: 150257

Ion Ratio Lower Upper

63 100

65 31.2 21.8 40.6

83 14.3 10.2 19.0



#20

cis-1,2-Dichloroethene

Concen: 52.448 ug/L

RT: 3.825 min Scan# 866

Delta R.T. 0.003 min

Lab File: VV030730.D

Acq: 20 Apr 2023 20:28

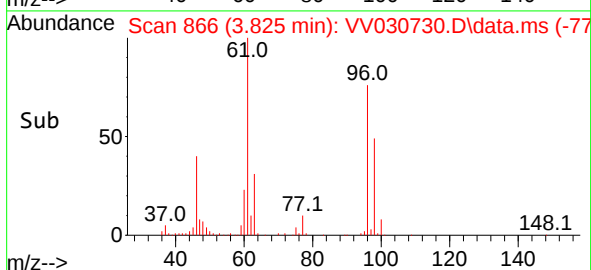
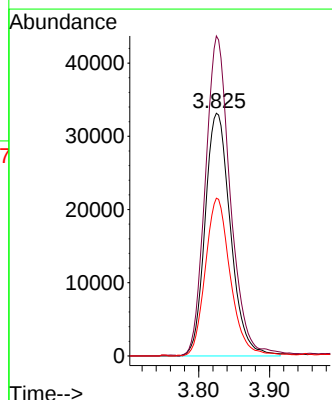
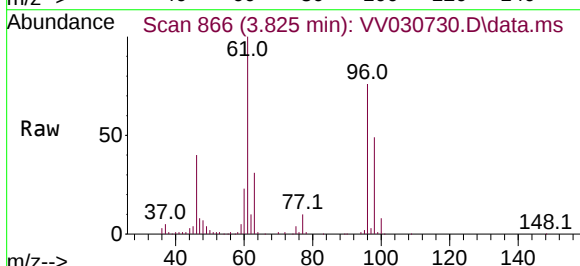
Tgt Ion: 96 Resp: 82531

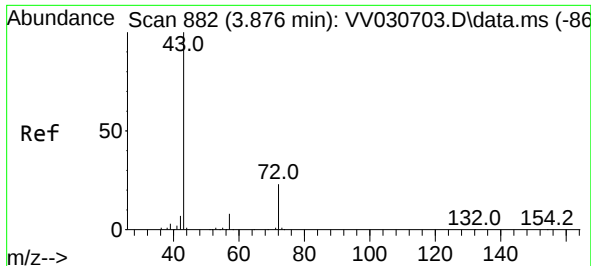
Ion Ratio Lower Upper

96 100

61 131.9 92.3 171.3

98 65.0 45.9 85.3

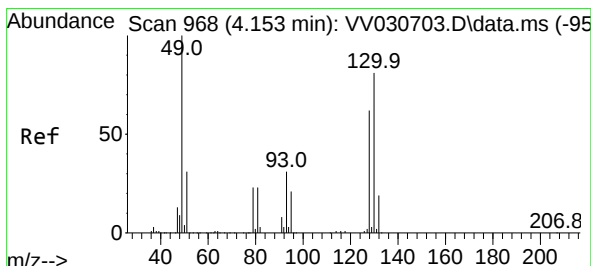
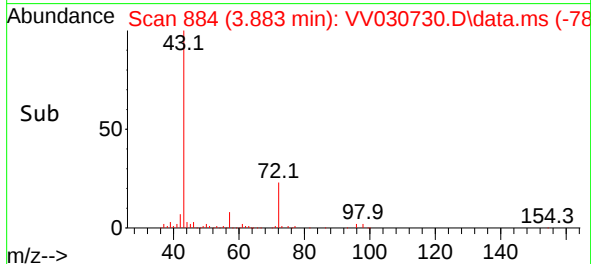
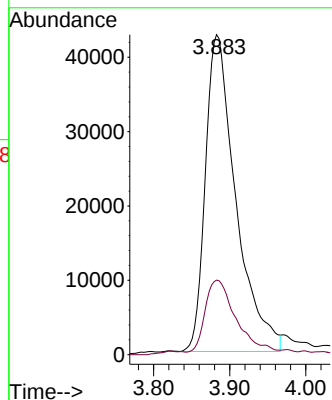
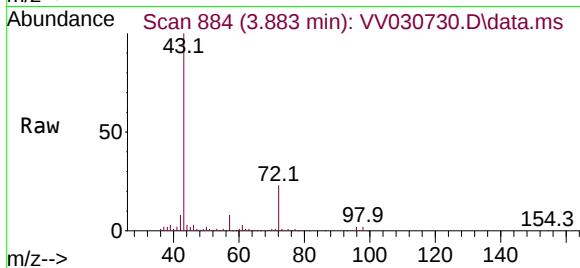




#22
2-Butanone
Concen: 89.889 ug/L
RT: 3.883 min Scan# 884
Delta R.T. 0.006 min
Lab File: VV030730.D
Acq: 20 Apr 2023 20:28

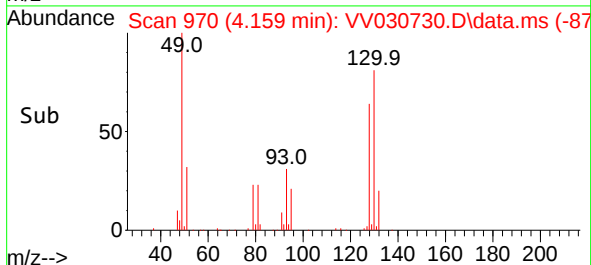
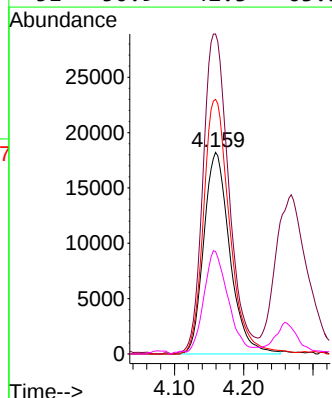
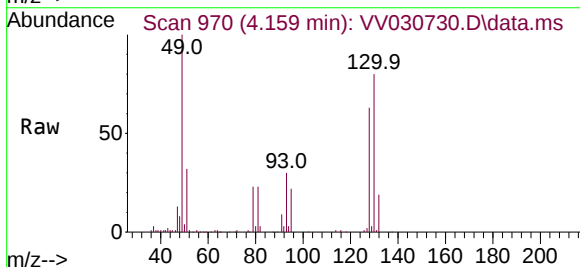
Instrument :
MSVOA_V
ClientSampleId :
VSTD050297

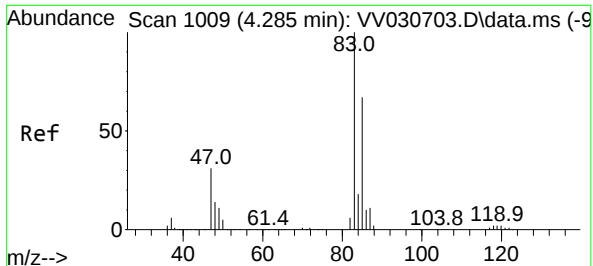
Tgt Ion: 43 Resp: 118440
Ion Ratio Lower Upper
43 100
72 21.8 11.5 34.4



#23
Bromochloromethane
Concen: 54.150 ug/L
RT: 4.159 min Scan# 970
Delta R.T. 0.006 min
Lab File: VV030730.D
Acq: 20 Apr 2023 20:28

Tgt Ion: 128 Resp: 47590
Ion Ratio Lower Upper
128 100
49 158.7 114.7 213.1
130 126.3 89.0 165.2
51 50.9 42.3 63.5





#25

Chloroform

Concen: 53.270 ug/L

RT: 4.288 min Scan# 1009

Delta R.T. 0.003 min

Lab File: VV030730.D

Acq: 20 Apr 2023 20:28

Instrument :

MSVOA_V

ClientSampleId :

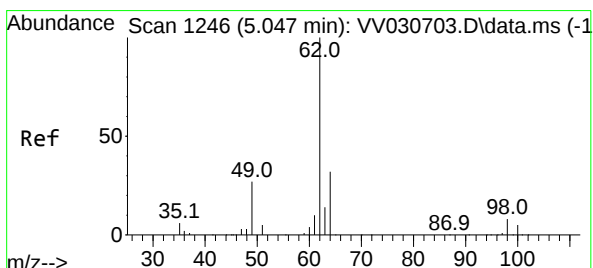
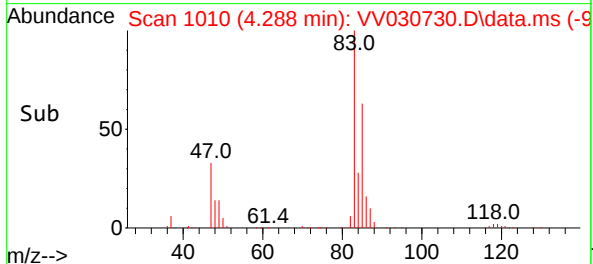
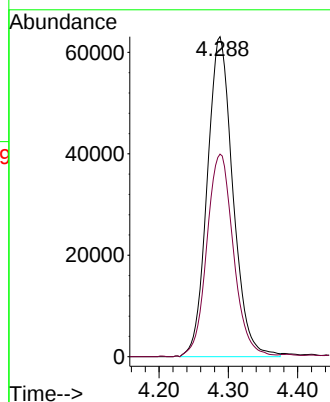
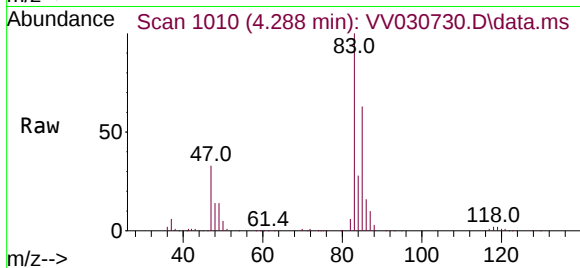
VSTD050297

Tgt Ion: 83 Resp: 162613

Ion Ratio Lower Upper

83 100

85 63.3 45.8 85.2



#27

1,2-Dichloroethane

Concen: 54.097 ug/L

RT: 5.050 min Scan# 1247

Delta R.T. 0.003 min

Lab File: VV030730.D

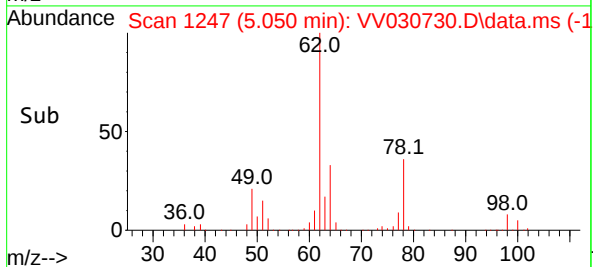
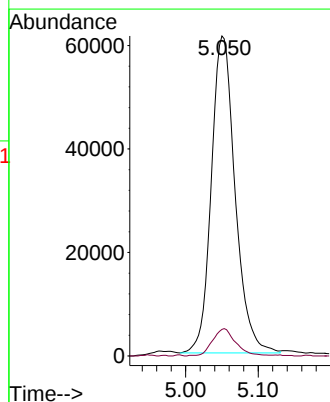
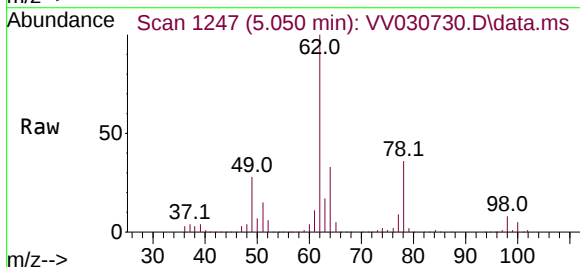
Acq: 20 Apr 2023 20:28

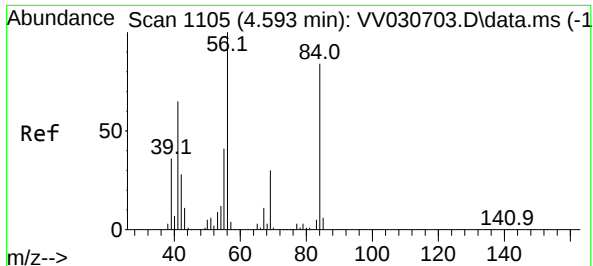
Tgt Ion: 62 Resp: 139790

Ion Ratio Lower Upper

62 100

98 8.3 6.4 9.6





#29

Cyclohexane

Concen: 50.406 ug/L

RT: 4.593 min Scan# 1105

Delta R.T. 0.000 min

Lab File: VV030730.D

Acq: 20 Apr 2023 20:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD050297

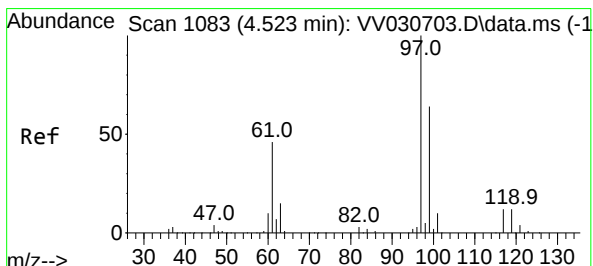
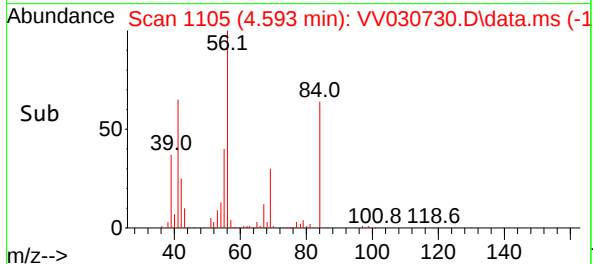
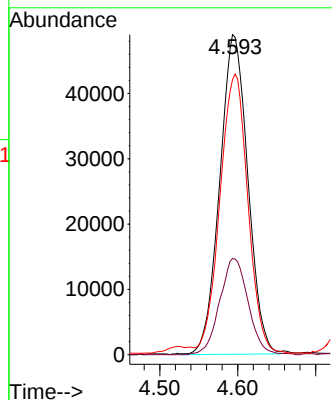
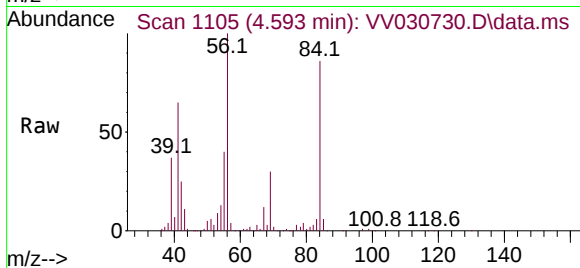
Tgt Ion: 56 Resp: 122665

Ion Ratio Lower Upper

56 100

69 30.5 24.0 36.0

84 86.8 68.2 102.2



#30

1,1,1-Trichloroethane

Concen: 52.950 ug/L

RT: 4.523 min Scan# 1083

Delta R.T. 0.000 min

Lab File: VV030730.D

Acq: 20 Apr 2023 20:28

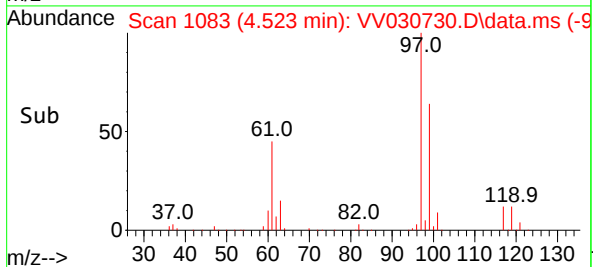
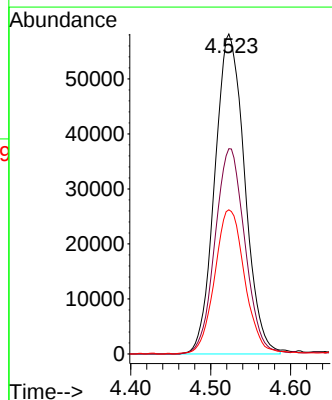
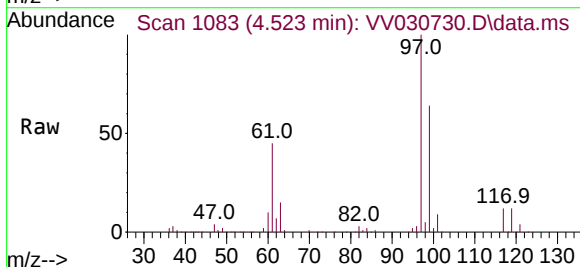
Tgt Ion: 97 Resp: 150880

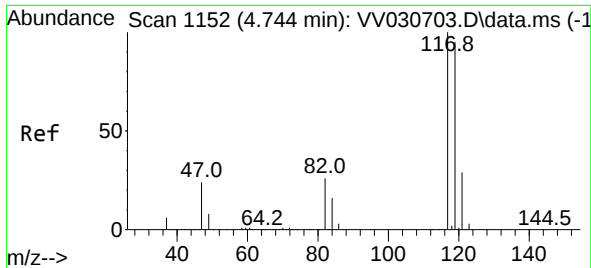
Ion Ratio Lower Upper

97 100

99 64.2 51.4 77.0

61 45.6 37.0 55.6

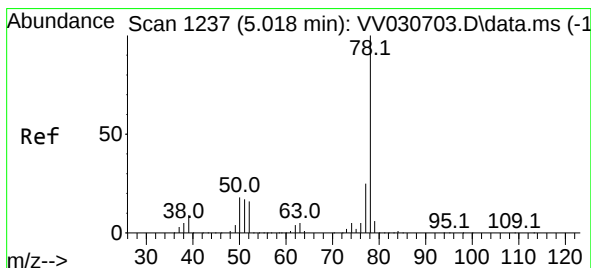
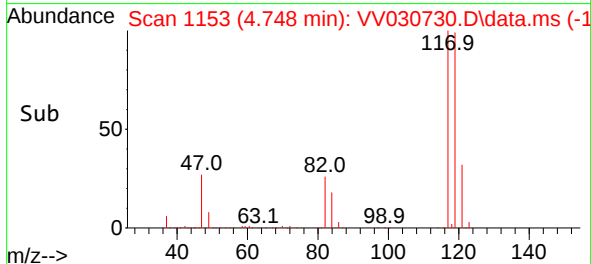
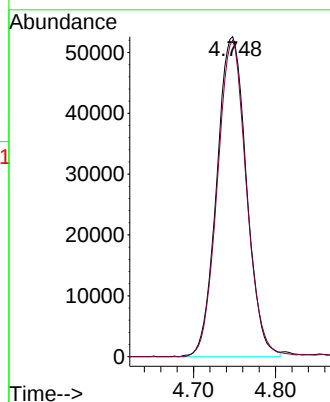
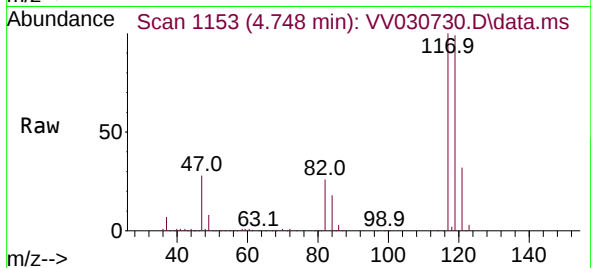




#31
Carbon tetrachloride
Concen: 51.914 ug/L
RT: 4.748 min Scan# 1152
Delta R.T. 0.003 min
Lab File: VV030730.D
Acq: 20 Apr 2023 20:28

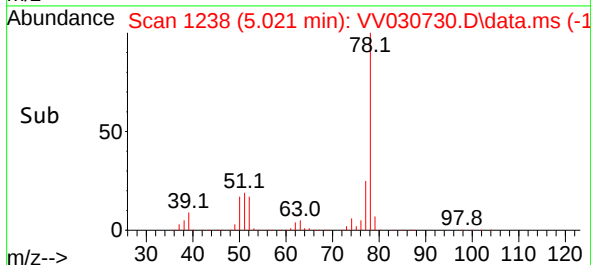
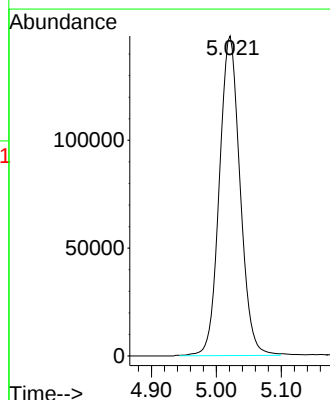
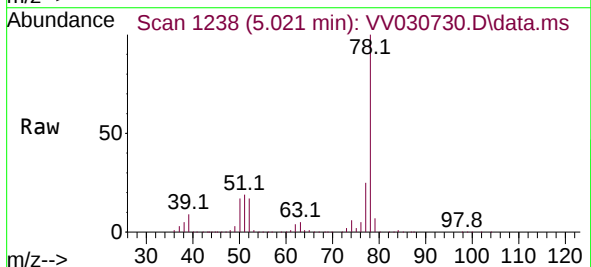
Instrument :
MSVOA_V
ClientSampleId :
VSTD050297

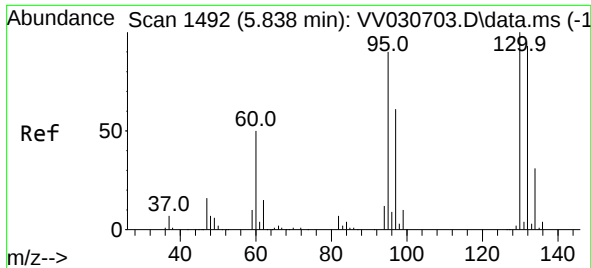
Tgt Ion:117 Resp: 132258
Ion Ratio Lower Upper
117 100
119 97.0 75.9 113.9



#33
Benzene
Concen: 53.142 ug/L
RT: 5.021 min Scan# 1238
Delta R.T. 0.003 min
Lab File: VV030730.D
Acq: 20 Apr 2023 20:28

Tgt Ion: 78 Resp: 327251



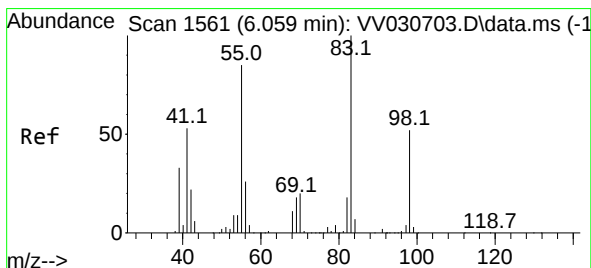
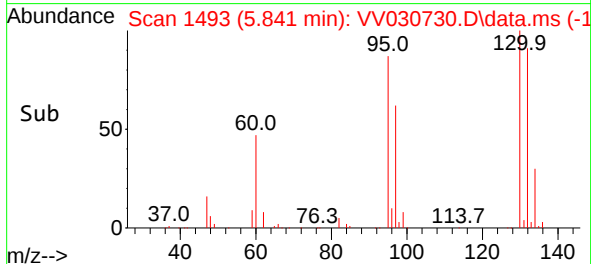
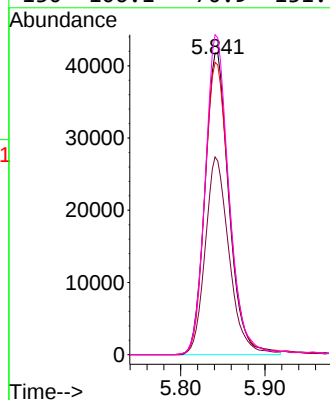
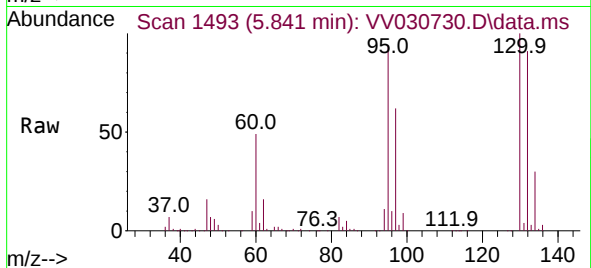


#34
Trichloroethene
Concen: 51.793 ug/L
RT: 5.841 min Scan# 1493
Delta R.T. 0.003 min
Lab File: VV030730.D
Acq: 20 Apr 2023 20:28

Instrument :
MSVOA_V
ClientSampleId :
VSTD050297

Tgt Ion: 95 Resp: 82960

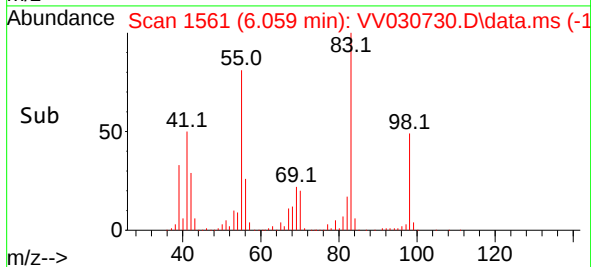
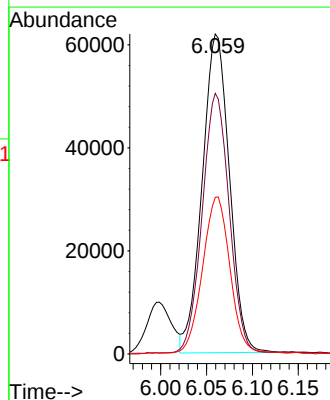
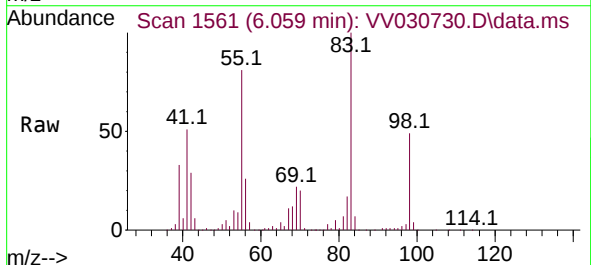
Ion	Ratio	Lower	Upper
95	100		
97	65.6	45.8	85.2
132	96.9	70.6	131.2
130	106.1	70.9	131.7

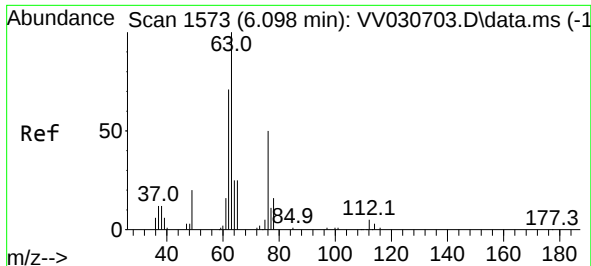


#35
Methylcyclohexane
Concen: 50.895 ug/L
RT: 6.059 min Scan# 1561
Delta R.T. 0.000 min
Lab File: VV030730.D
Acq: 20 Apr 2023 20:28

Tgt Ion: 83 Resp: 127738

Ion	Ratio	Lower	Upper
83	100		
55	81.4	65.5	98.3
98	49.3	38.7	58.1





#37

1,2-Dichloropropane

Concen: 51.608 ug/L

RT: 6.101 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV030730.D

Acq: 20 Apr 2023 20:28

Instrument :

MSVOA_V

ClientSampleId :

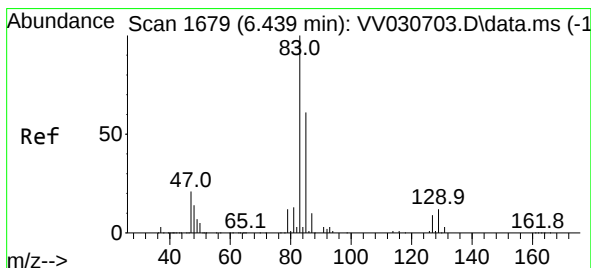
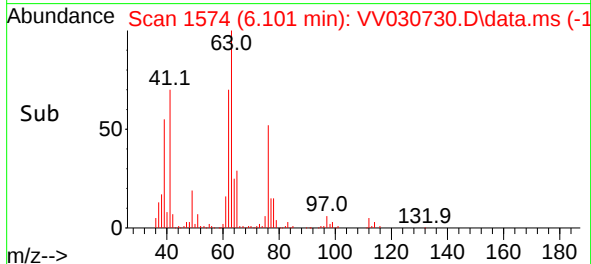
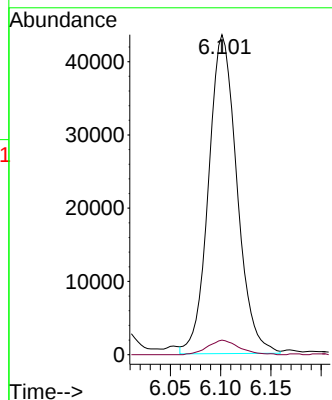
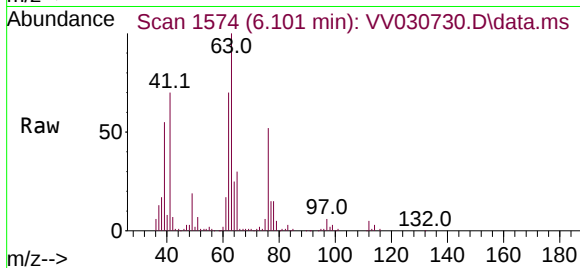
VSTD050297

Tgt Ion: 63 Resp: 85538

Ion Ratio Lower Upper

63 100

112 5.0 3.8 5.8



#38

Bromodichloromethane

Concen: 51.721 ug/L

RT: 6.442 min Scan# 1680

Delta R.T. 0.003 min

Lab File: VV030730.D

Acq: 20 Apr 2023 20:28

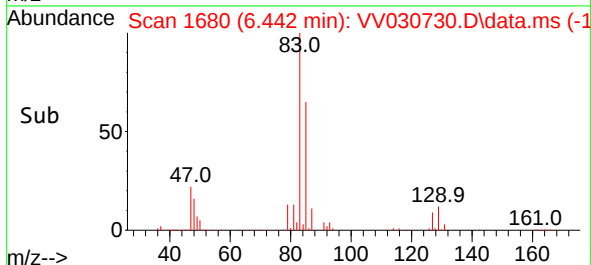
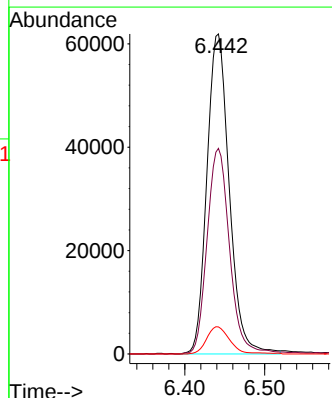
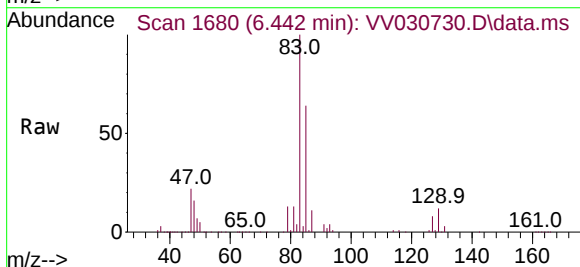
Tgt Ion: 83 Resp: 120424

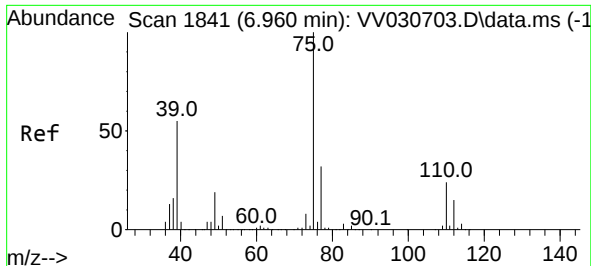
Ion Ratio Lower Upper

83 100

85 64.3 45.4 84.4

127 8.5 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 51.243 ug/L

RT: 6.960 min Scan# 1841

Delta R.T. 0.000 min

Lab File: VV030730.D

Acq: 20 Apr 2023 20:28

Instrument :

MSVOA_V

ClientSampleId :

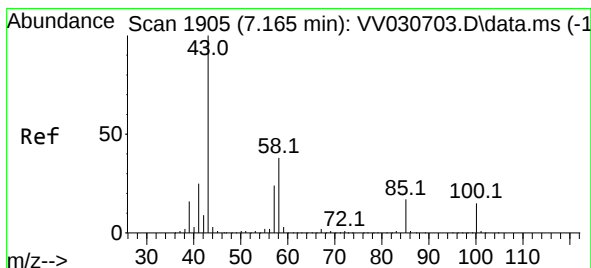
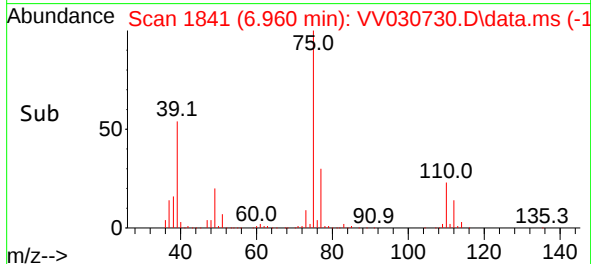
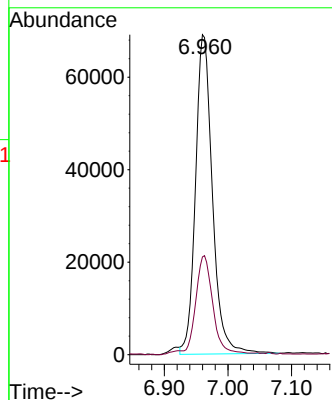
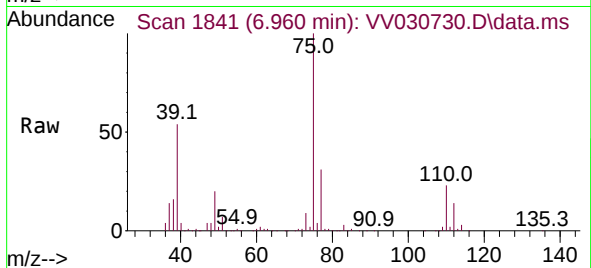
VSTD050297

Tgt Ion: 75 Resp: 127475

Ion Ratio Lower Upper

75 100

77 30.5 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 110.882 ug/L

RT: 7.166 min Scan# 1905

Delta R.T. 0.000 min

Lab File: VV030730.D

Acq: 20 Apr 2023 20:28

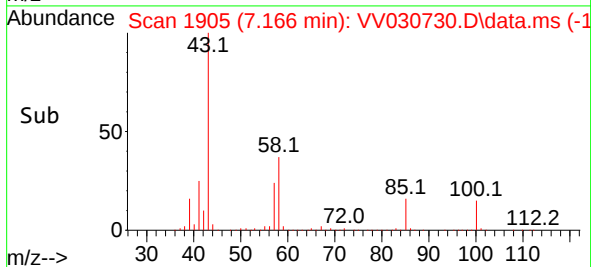
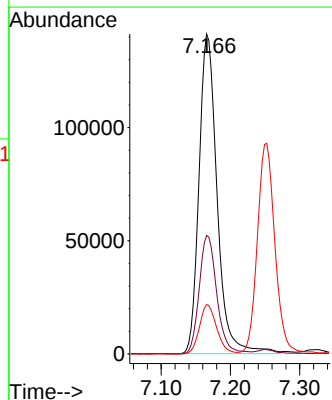
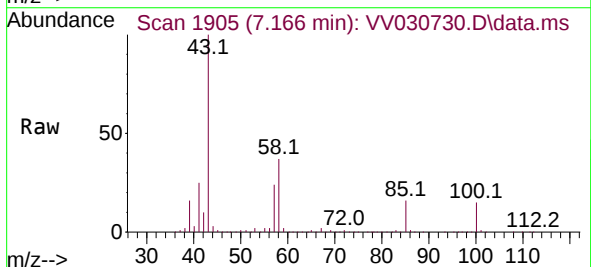
Tgt Ion: 43 Resp: 256725

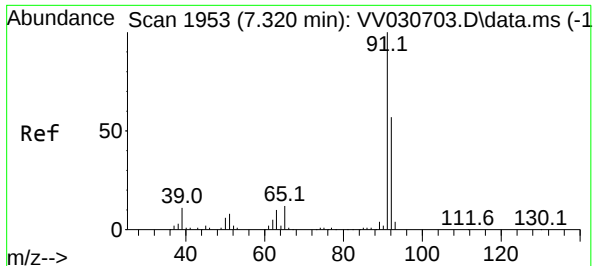
Ion Ratio Lower Upper

43 100

58 35.9 29.2 43.8

100 14.7 11.3 16.9





#42

Toluene

Concen: 55.042 ug/L

RT: 7.323 min Scan# 1953

Delta R.T. 0.003 min

Lab File: VV030730.D

Acq: 20 Apr 2023 20:28

Instrument :

MSVOA_V

ClientSampleId :

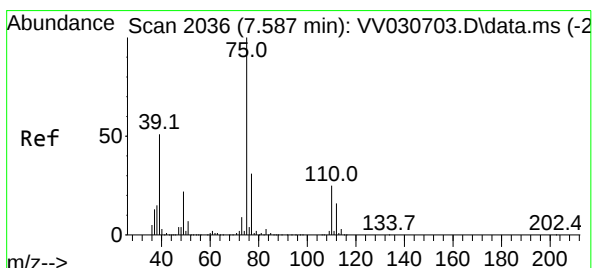
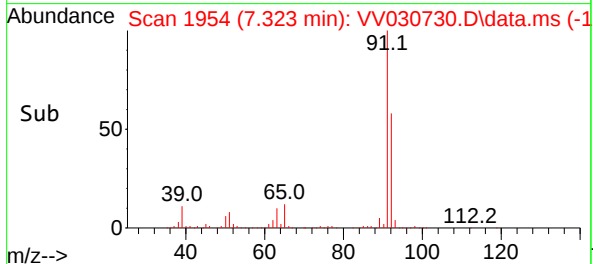
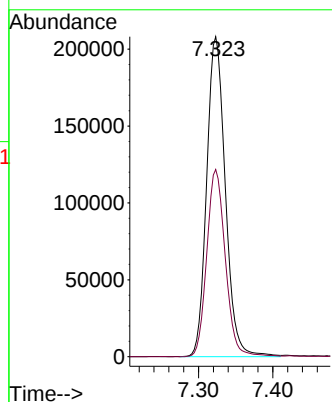
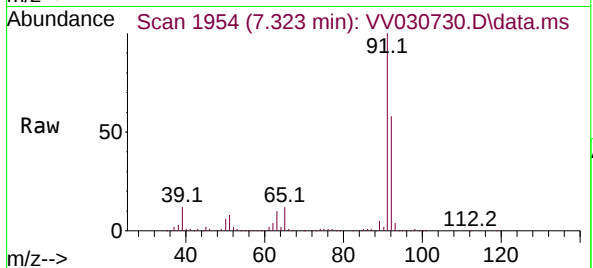
VSTD050297

Tgt Ion: 91 Resp: 363051

Ion Ratio Lower Upper

91 100

92 58.5 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 54.064 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. 0.000 min

Lab File: VV030730.D

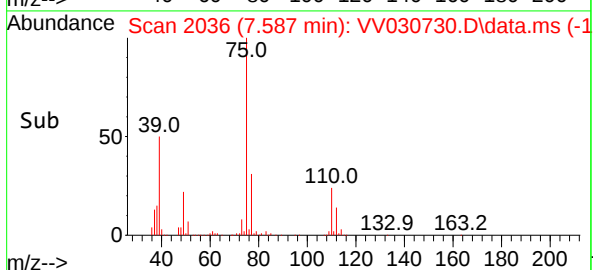
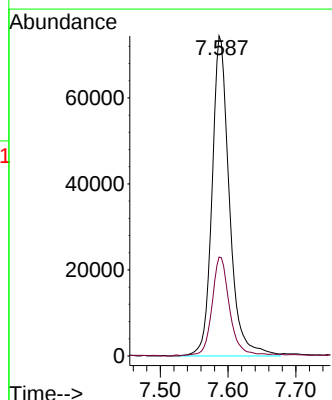
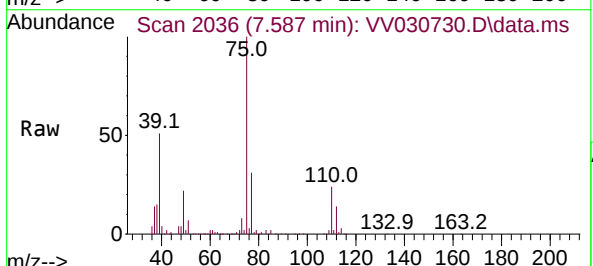
Acq: 20 Apr 2023 20:28

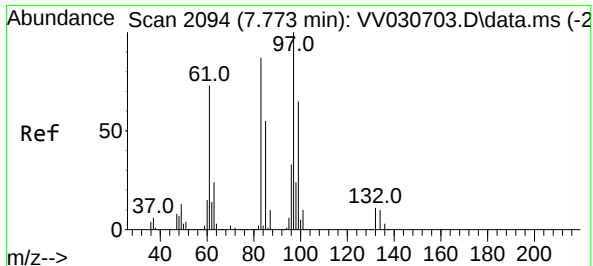
Tgt Ion: 75 Resp: 132133

Ion Ratio Lower Upper

75 100

77 30.9 22.1 41.1

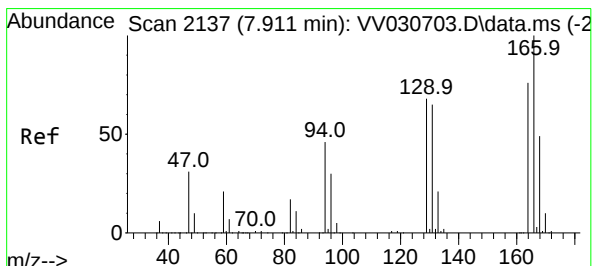
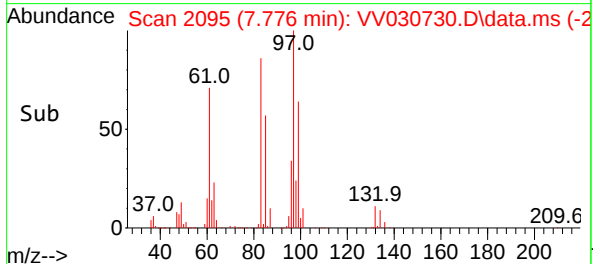
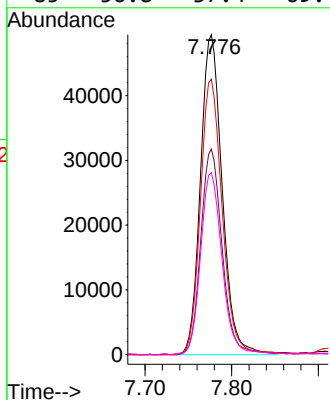
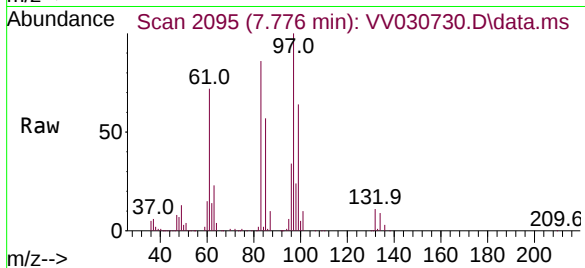




#45
1,1,2-Trichloroethane
Concen: 51.846 ug/L
RT: 7.776 min Scan# 2094
Delta R.T. 0.003 min
Lab File: VV030730.D
Acq: 20 Apr 2023 20:28

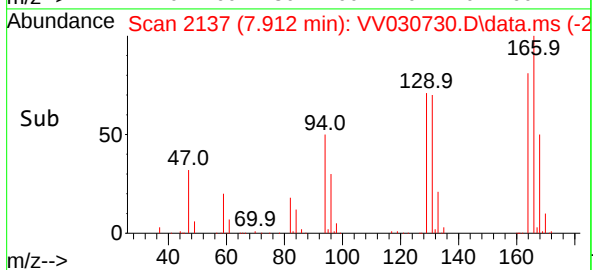
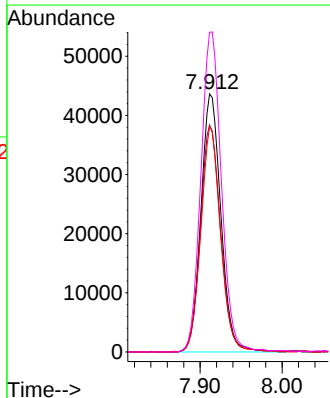
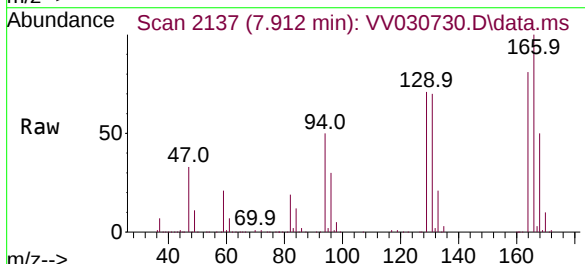
Instrument :
MSVOA_V
ClientSampleId :
VSTD050297

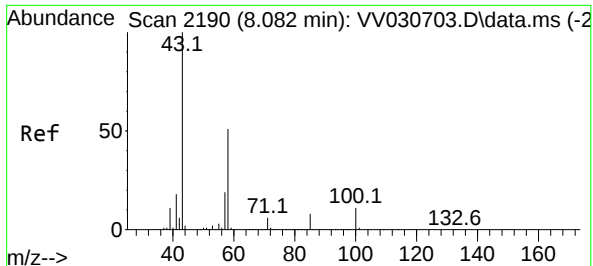
Tgt Ion: 97	Resp: 86168
Ion Ratio	Lower Upper
97 100	
99 64.2	43.8 81.4
83 86.1	59.6 110.6
85 56.8	37.4 69.4



#46
Tetrachloroethene
Concen: 52.744 ug/L
RT: 7.912 min Scan# 2137
Delta R.T. 0.000 min
Lab File: VV030730.D
Acq: 20 Apr 2023 20:28

Tgt	Ion:164	Resp:	73949
Ion	Ratio	Lower	Upper
164	100		
129	88.0	63.8	118.6
131	87.2	60.3	111.9
166	123.9	89.5	166.1



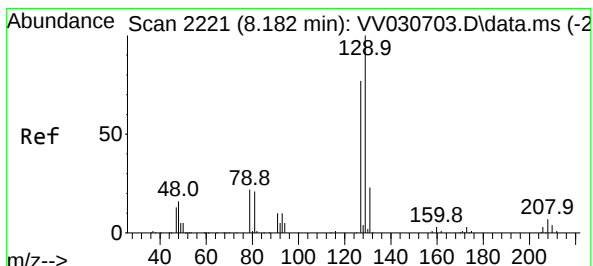
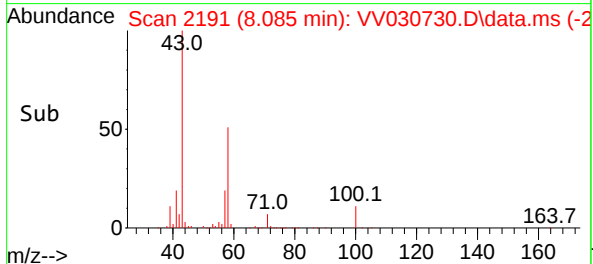
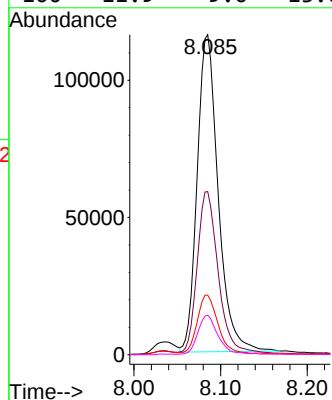
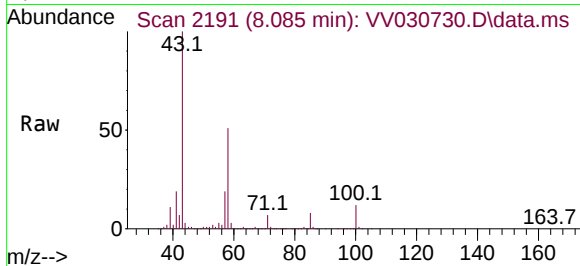


#48
2-Hexanone
Concen: 102.075 ug/L
RT: 8.085 min Scan# 2190
Delta R.T. 0.003 min
Lab File: VV030730.D
Acq: 20 Apr 2023 20:28

Instrument :
MSVOA_V
ClientSampleId :
VSTD050297

Tgt Ion: 43 Resp: 195003

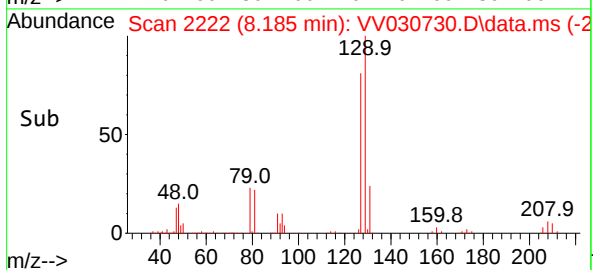
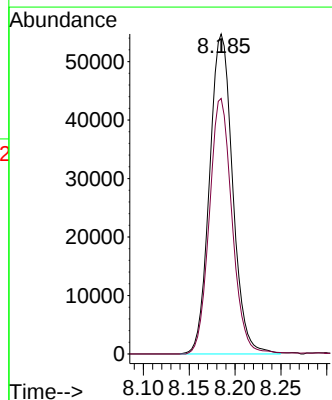
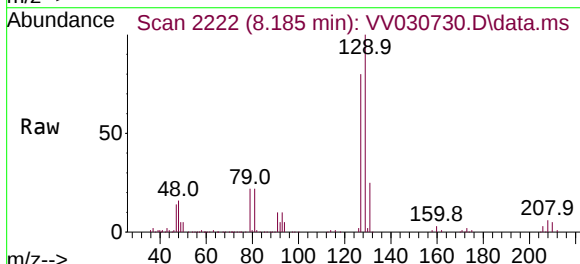
Ion	Ratio	Lower	Upper
43	100		
58	51.3	41.4	62.0
57	18.4	14.9	22.3
100	11.9	9.0	13.6

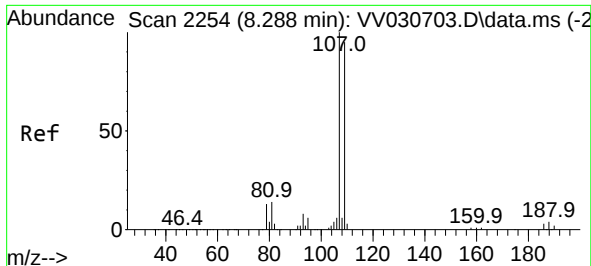


#49
Dibromochloromethane
Concen: 52.418 ug/L
RT: 8.185 min Scan# 2222
Delta R.T. 0.003 min
Lab File: VV030730.D
Acq: 20 Apr 2023 20:28

Tgt Ion: 129 Resp: 96096

Ion	Ratio	Lower	Upper
129	100		
127	79.9	52.8	98.2





#50

1,2-Dibromoethane

Concen: 52.367 ug/L

RT: 8.291 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV030730.D

Acq: 20 Apr 2023 20:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD050297

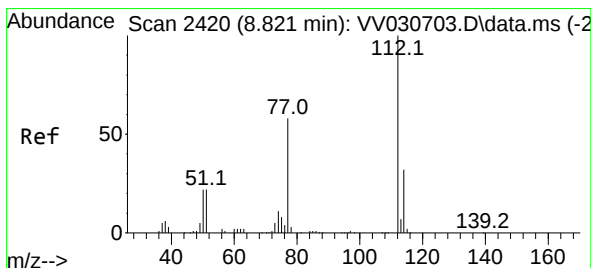
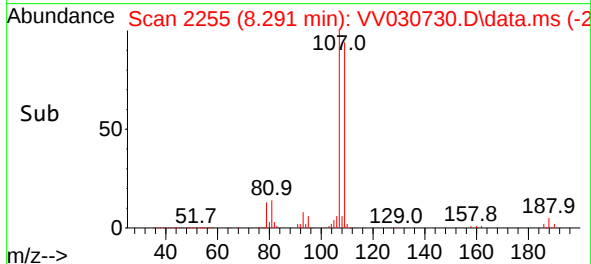
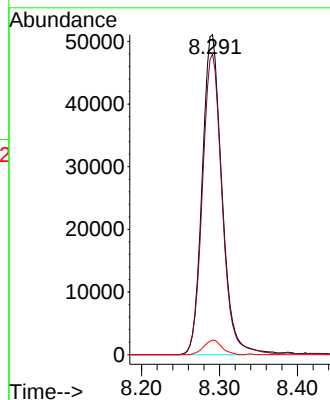
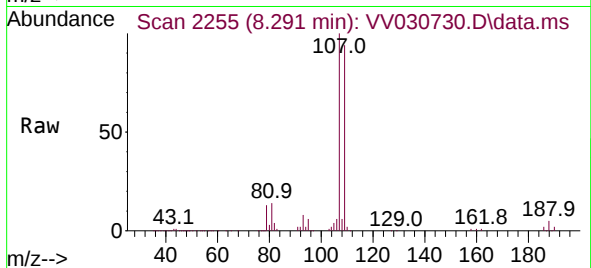
Tgt Ion:107 Resp: 90181

Ion Ratio Lower Upper

107 100

109 94.0 65.7 121.9

188 4.5 3.2 4.8



#51

Chlorobenzene

Concen: 52.397 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. 0.000 min

Lab File: VV030730.D

Acq: 20 Apr 2023 20:28

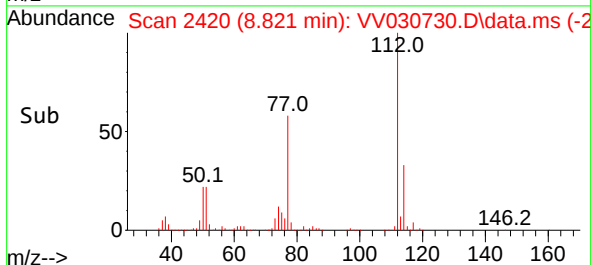
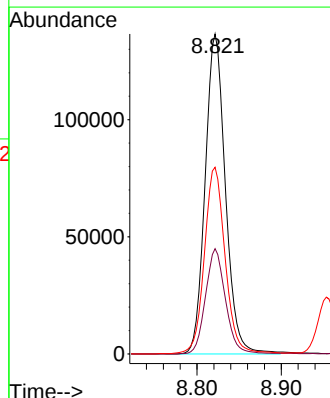
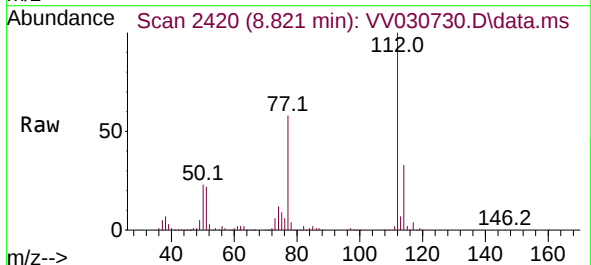
Tgt Ion:112 Resp: 228887

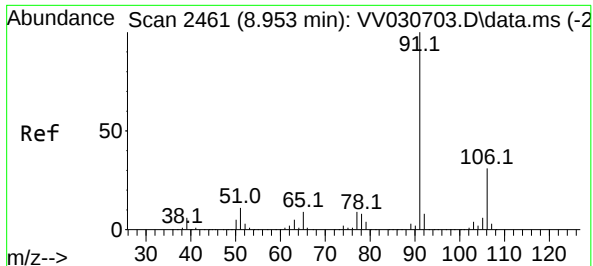
Ion Ratio Lower Upper

112 100

114 32.9 22.4 41.6

77 58.3 47.4 71.0

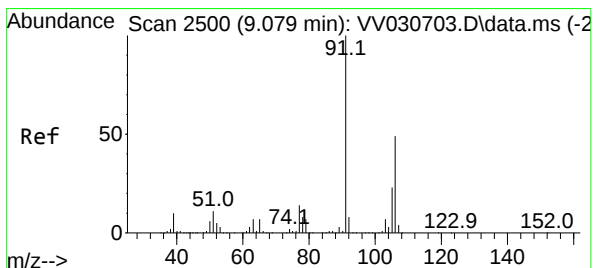
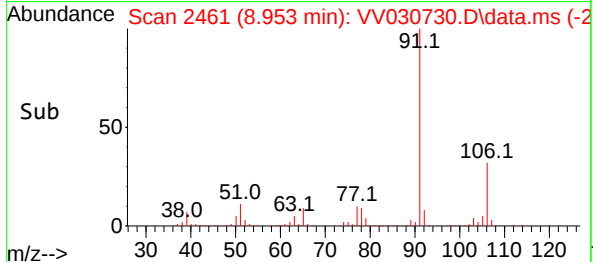
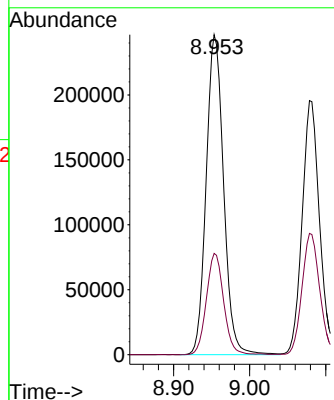
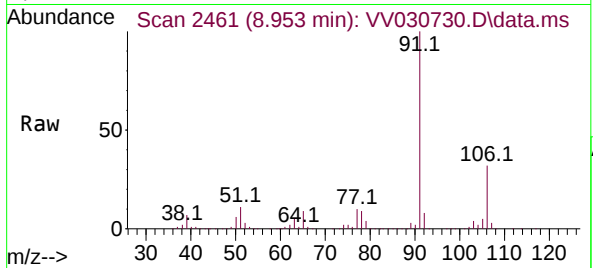




#52
Ethylbenzene
Concen: 53.633 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. 0.000 min
Lab File: VV030730.D
Acq: 20 Apr 2023 20:28

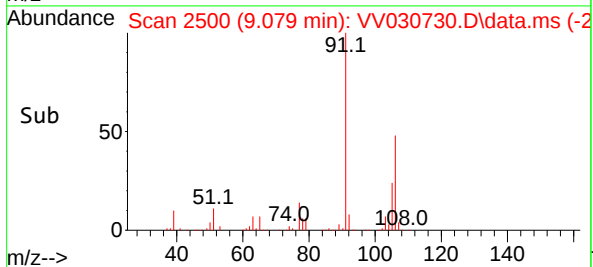
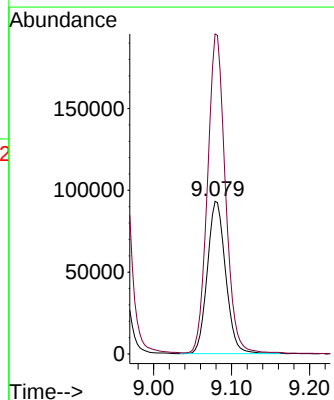
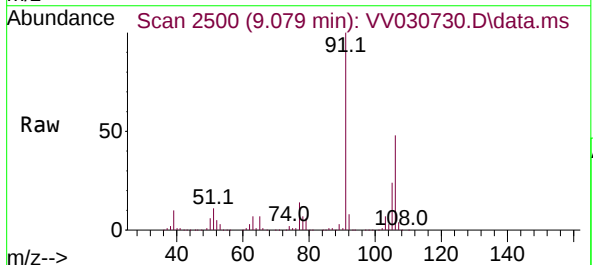
Instrument :
MSVOA_V
ClientSampleId :
VSTD050297

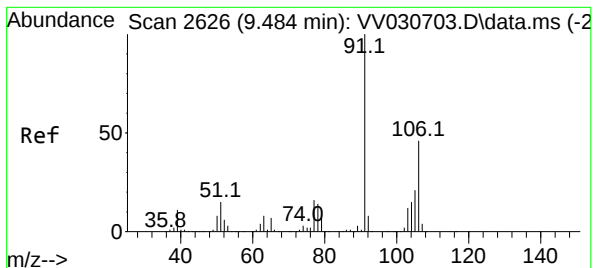
Tgt Ion: 91 Resp: 391632
Ion Ratio Lower Upper
91 100
106 31.6 21.8 40.4



#53
m,p-Xylene
Concen: 54.912 ug/L
RT: 9.079 min Scan# 2500
Delta R.T. 0.000 min
Lab File: VV030730.D
Acq: 20 Apr 2023 20:28

Tgt Ion: 106 Resp: 151455
Ion Ratio Lower Upper
106 100
91 209.5 144.7 268.7





#54

o-Xylene

Concen: 55.185 ug/L

RT: 9.487 min Scan# 2

Delta R.T. 0.003 min

Lab File: VV030730.D

Acq: 20 Apr 2023 20:28

Instrument :

MSVOA_V

ClientSampleId :

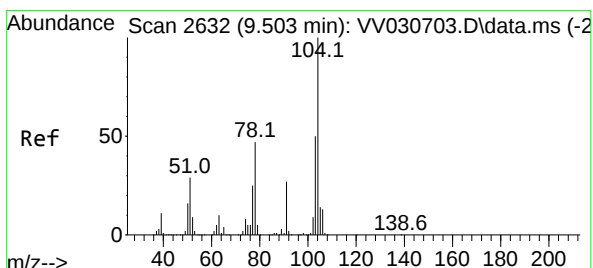
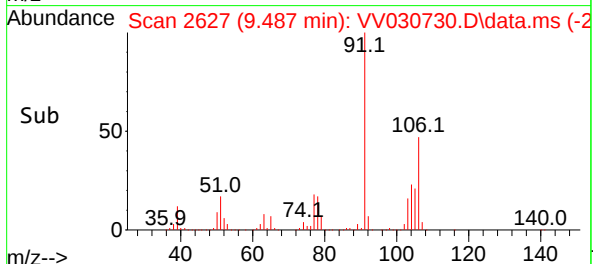
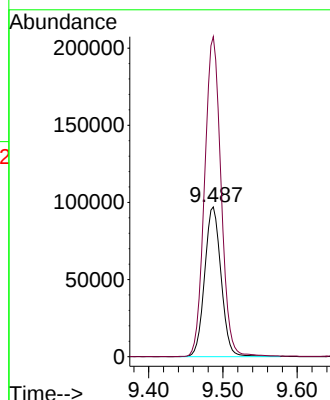
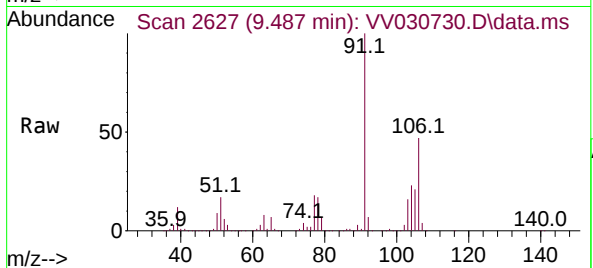
VSTD050297

Tgt Ion:106 Resp: 148904

Ion Ratio Lower Upper

106 100

91 213.7 152.6 283.4



#55

Styrene

Concen: 56.738 ug/L

RT: 9.503 min Scan# 2632

Delta R.T. 0.000 min

Lab File: VV030730.D

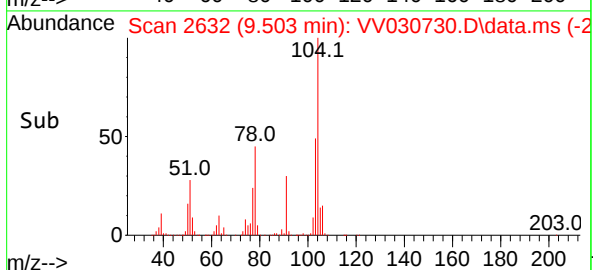
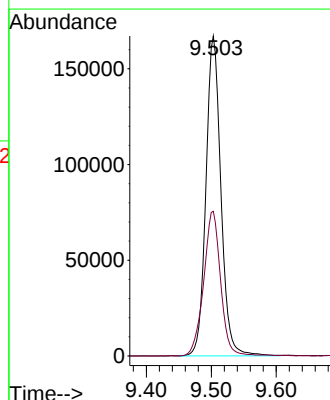
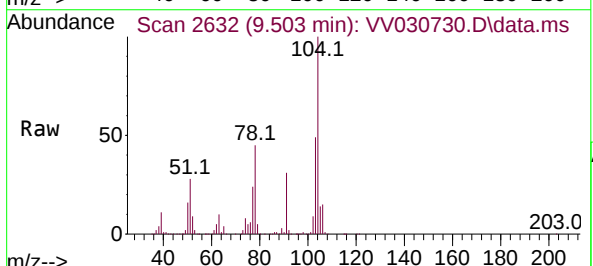
Acq: 20 Apr 2023 20:28

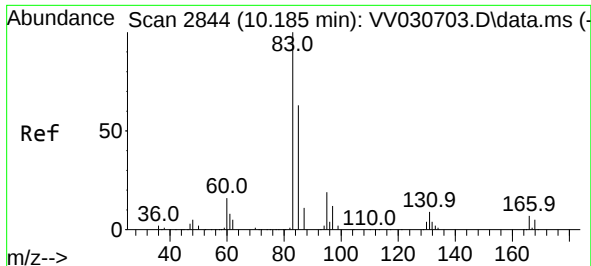
Tgt Ion:104 Resp: 268921

Ion Ratio Lower Upper

104 100

78 45.2 32.3 59.9





#57

1,1,2,2-Tetrachloroethane

Concen: 51.913 ug/L

RT: 10.185 min Scan# 2844

Delta R.T. 0.000 min

Lab File: VV030730.D

Acq: 20 Apr 2023 20:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD050297

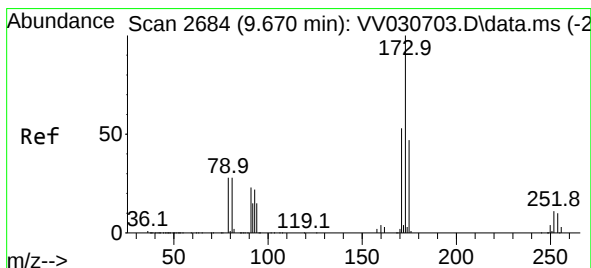
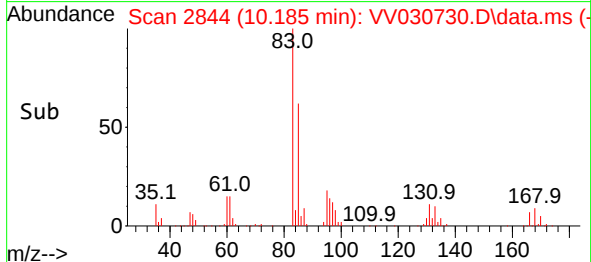
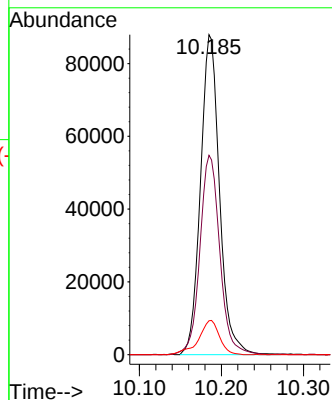
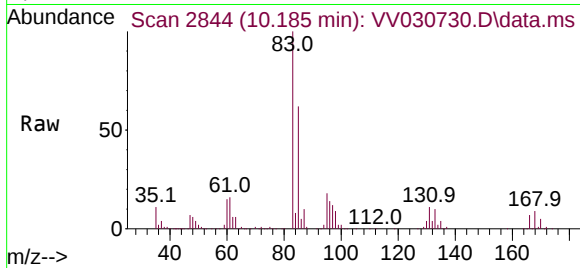
Tgt Ion: 83 Resp: 141658

Ion Ratio Lower Upper

83 100

85 62.3 45.1 83.7

131 10.6 8.0 12.0



#59

Bromoform

Concen: 52.981 ug/L

RT: 9.674 min Scan# 2685

Delta R.T. 0.003 min

Lab File: VV030730.D

Acq: 20 Apr 2023 20:28

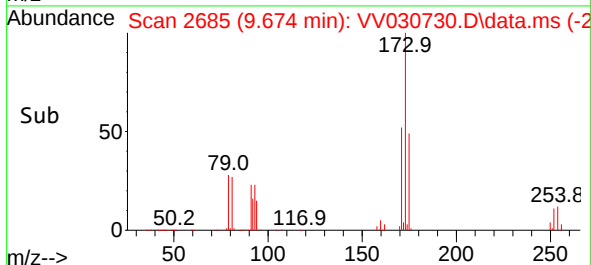
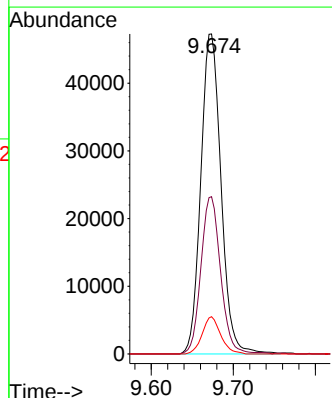
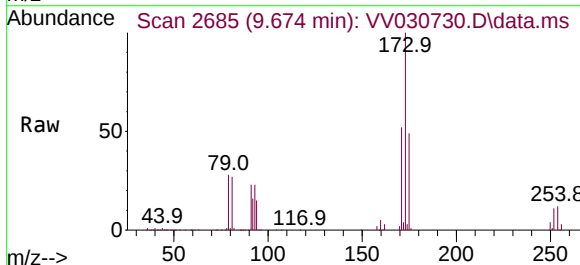
Tgt Ion: 173 Resp: 80998

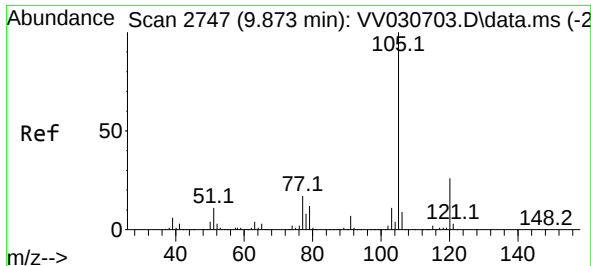
Ion Ratio Lower Upper

173 100

175 47.6 38.8 58.2

254 10.6 8.2 12.4

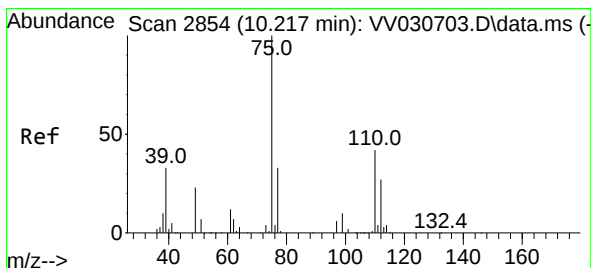
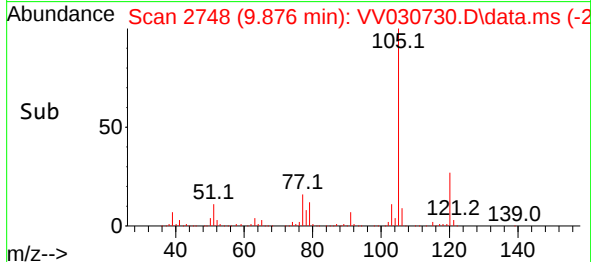
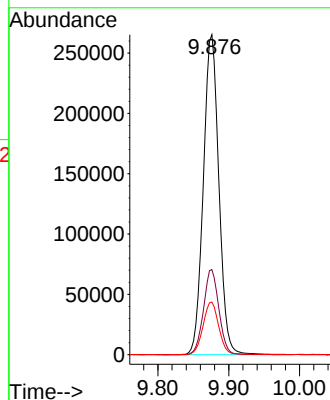
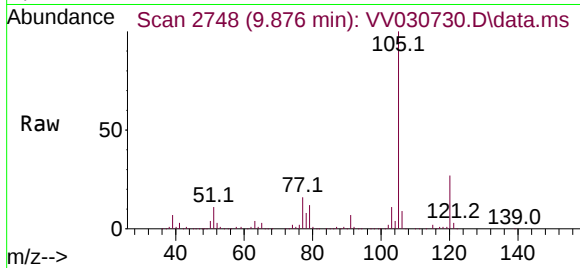




#60
Isopropylbenzene
Concen: 52.994 ug/L
RT: 9.876 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV030730.D
Acq: 20 Apr 2023 20:28

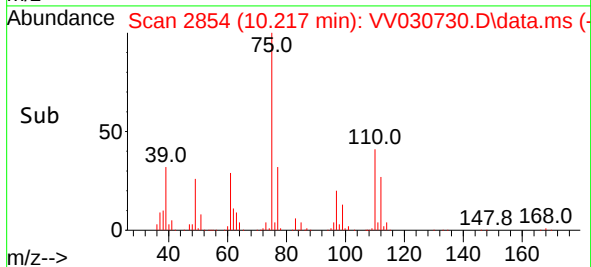
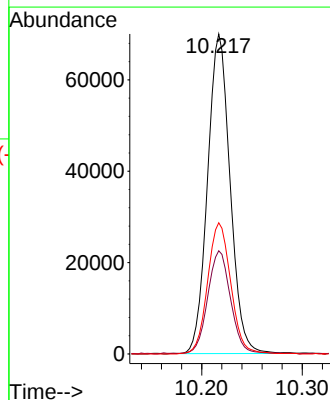
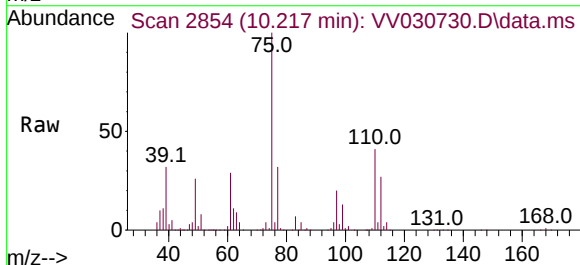
Instrument :
MSVOA_V
ClientSampleId :
VSTD050297

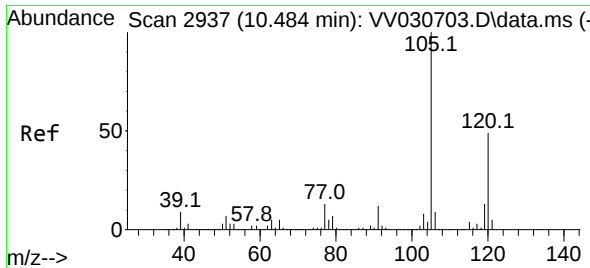
Tgt Ion:105 Resp: 403572
Ion Ratio Lower Upper
105 100
120 26.3 20.9 31.3
77 16.5 13.0 19.6



#61
1,2,3-Trichloropropane
Concen: 49.808 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. 0.000 min
Lab File: VV030730.D
Acq: 20 Apr 2023 20:28

Tgt Ion: 75 Resp: 108933
Ion Ratio Lower Upper
75 100
77 32.2 25.7 38.5
110 42.2 32.8 49.2

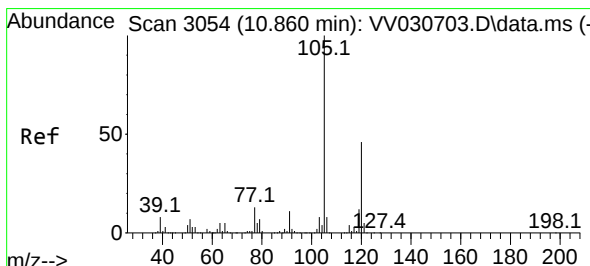
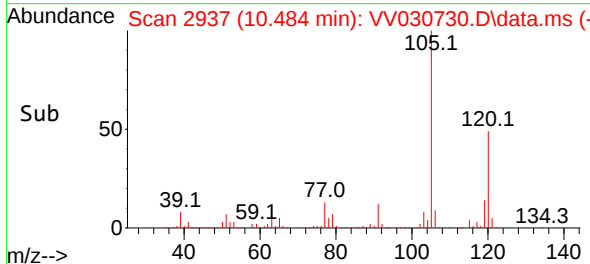
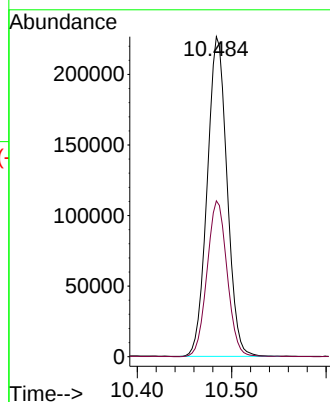
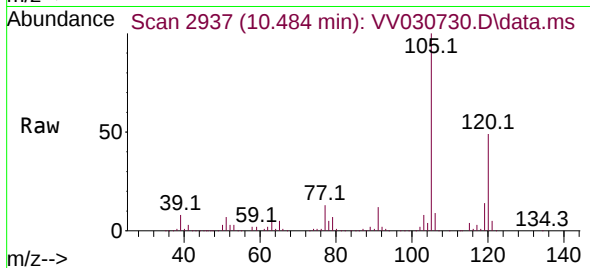




#62
1,3,5-Trimethylbenzene
Concen: 52.760 ug/L
RT: 10.484 min Scan# 2937
Delta R.T. 0.000 min
Lab File: VV030730.D
Acq: 20 Apr 2023 20:28

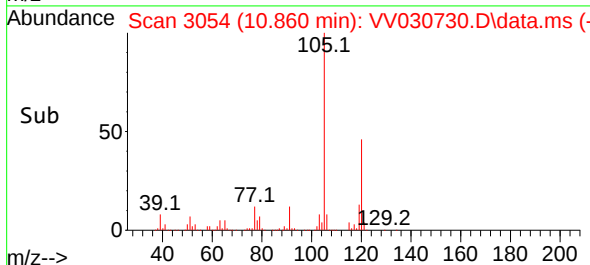
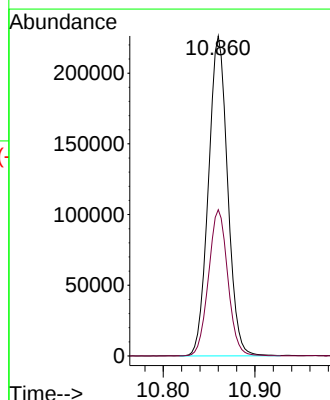
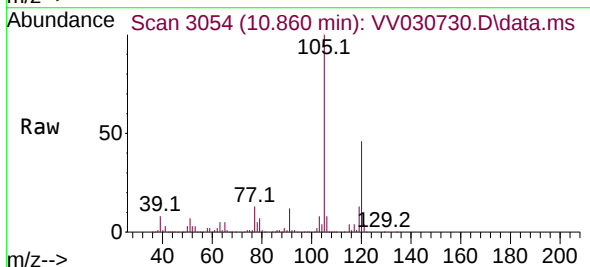
Instrument :
MSVOA_V
ClientSampleId :
VSTD050297

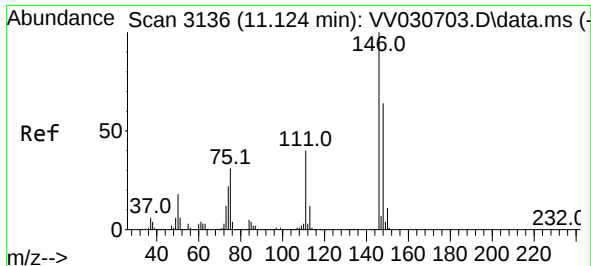
Tgt Ion:105 Resp: 330811
Ion Ratio Lower Upper
105 100
120 49.3 39.2 58.8



#63
1,2,4-Trimethylbenzene
Concen: 52.611 ug/L
RT: 10.860 min Scan# 3054
Delta R.T. 0.000 min
Lab File: VV030730.D
Acq: 20 Apr 2023 20:28

Tgt Ion:105 Resp: 329368
Ion Ratio Lower Upper
105 100
120 46.0 36.2 54.4

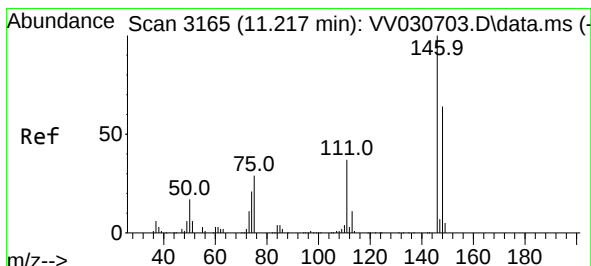
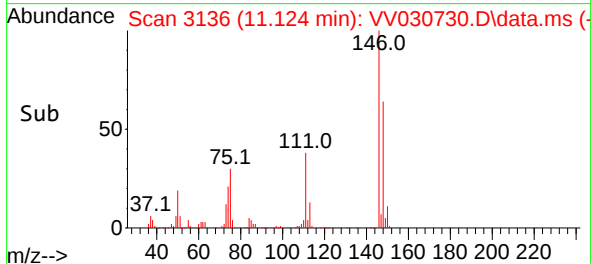
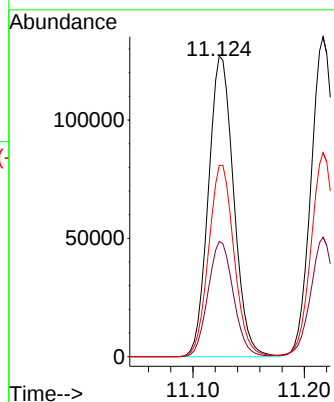
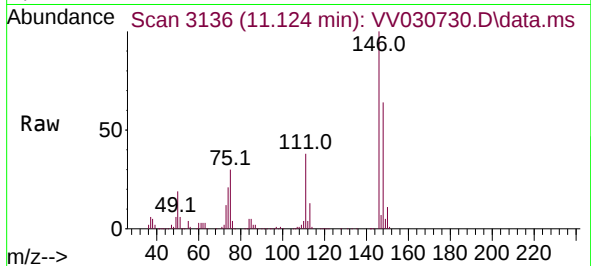




#64
1,3-Dichlorobenzene
Concen: 52.563 ug/L
RT: 11.124 min Scan# 3136
Delta R.T. 0.000 min
Lab File: VV030730.D
Acq: 20 Apr 2023 20:28

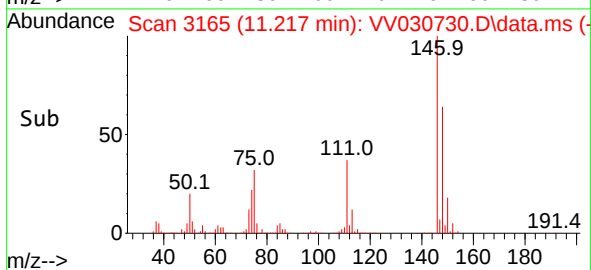
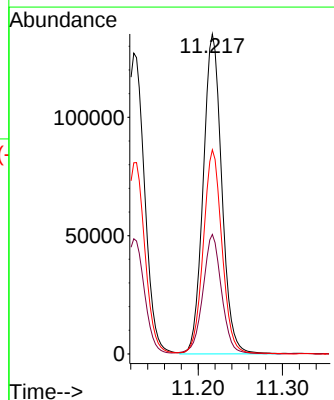
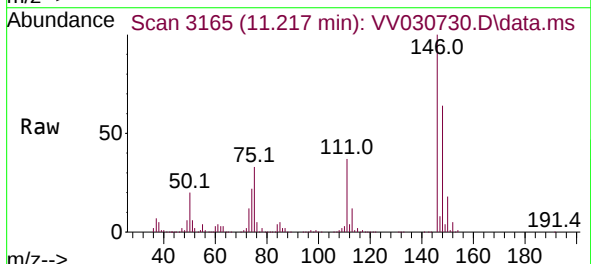
Instrument :
MSVOA_V
ClientSampleId :
VSTD050297

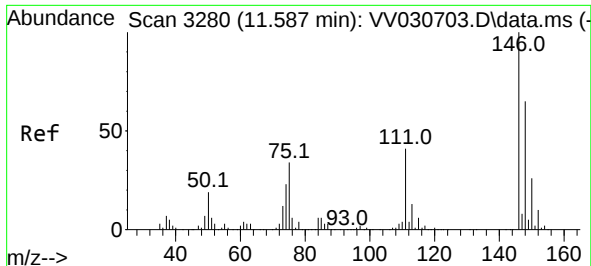
Tgt Ion:146 Resp: 200407
Ion Ratio Lower Upper
146 100
111 38.3 27.0 50.2
148 63.6 44.8 83.2



#65
1,4-Dichlorobenzene
Concen: 51.639 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. 0.000 min
Lab File: VV030730.D
Acq: 20 Apr 2023 20:28

Tgt Ion:146 Resp: 207613
Ion Ratio Lower Upper
146 100
111 37.3 26.5 49.1
148 63.8 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 52.754 ug/L

RT: 11.587 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV030730.D

Acq: 20 Apr 2023 20:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD050297

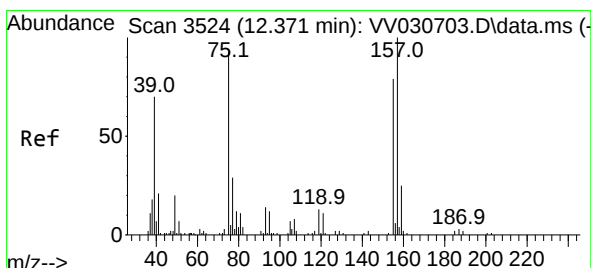
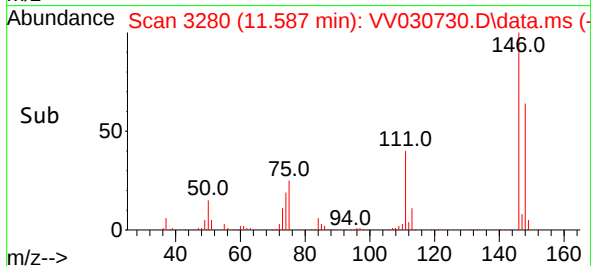
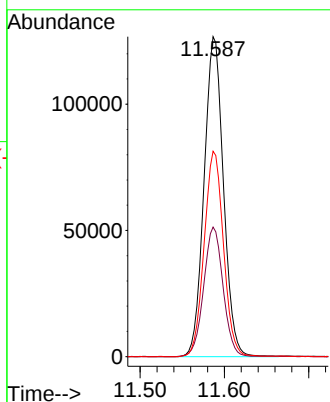
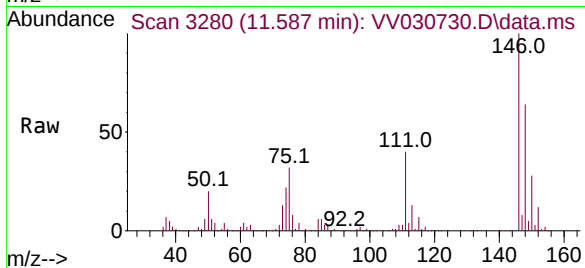
Tgt Ion:146 Resp: 202912

Ion Ratio Lower Upper

146 100

111 40.5 32.0 48.0

148 64.2 50.6 76.0



#68

1,2-Dibromo-3-chloropropane

Concen: 49.449 ug/L

RT: 12.371 min Scan# 3524

Delta R.T. 0.000 min

Lab File: VV030730.D

Acq: 20 Apr 2023 20:28

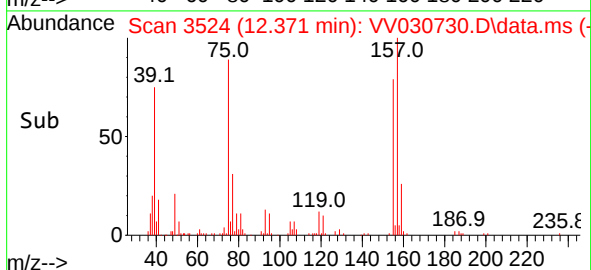
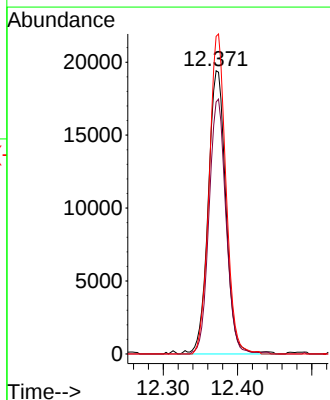
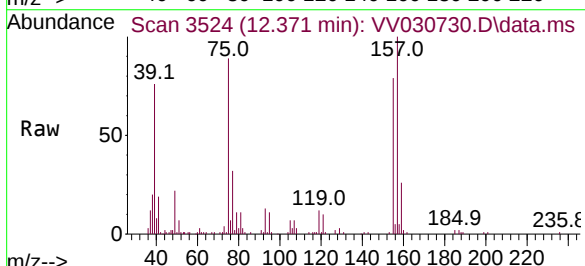
Tgt Ion: 75 Resp: 32041

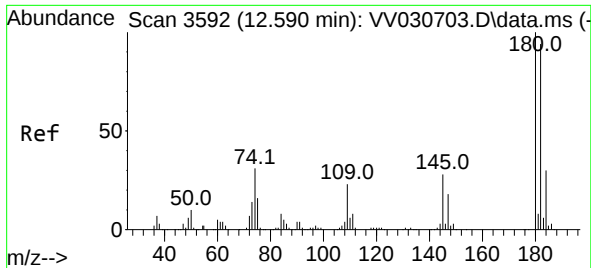
Ion Ratio Lower Upper

75 100

155 89.0 65.0 97.6

157 112.1 84.4 126.6

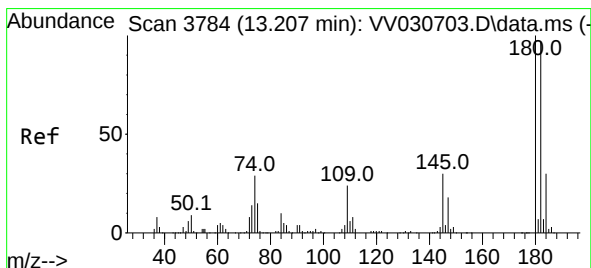
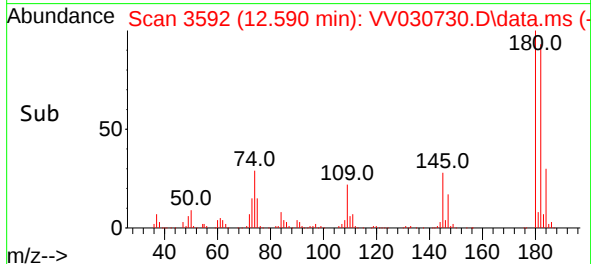
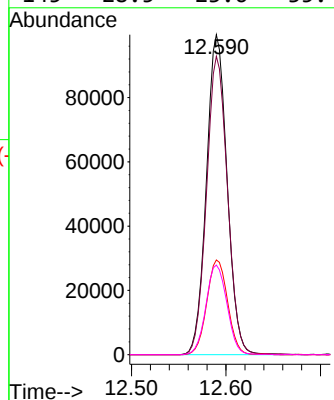
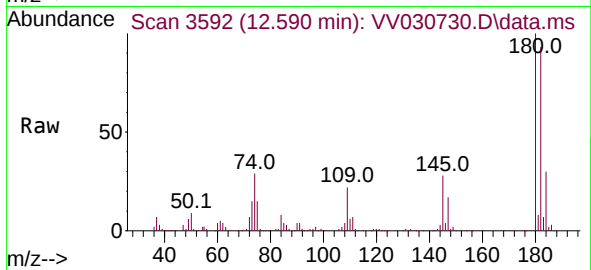




#69
 1,3,5-Trichlorobenzene
 Concen: 52.595 ug/L
 RT: 12.590 min Scan# 3592
 Delta R.T. 0.000 min
 Lab File: VV030730.D
 Acq: 20 Apr 2023 20:28

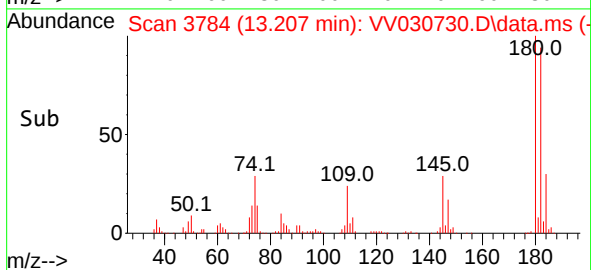
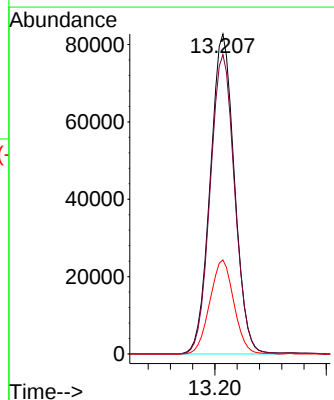
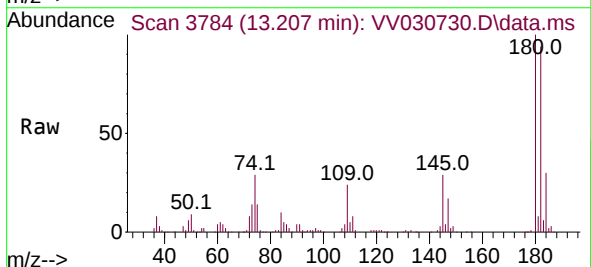
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050297

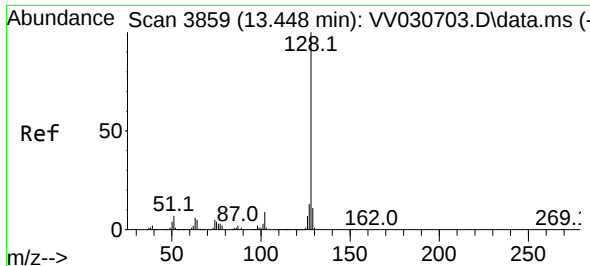
Tgt Ion:	180	Resp:	151482
Ion Ratio	Lower	Upper	
180	100		
182	94.2	76.4	114.6
184	29.8	24.1	36.1
145	28.5	23.6	35.4



#70
 1,2,4-trichlorobenzene
 Concen: 50.923 ug/L
 RT: 13.207 min Scan# 3784
 Delta R.T. 0.000 min
 Lab File: VV030730.D
 Acq: 20 Apr 2023 20:28

Tgt Ion:	180	Resp:	124528
Ion Ratio	Lower	Upper	
180	100		
182	94.8	75.9	113.9
145	29.3	23.4	35.2

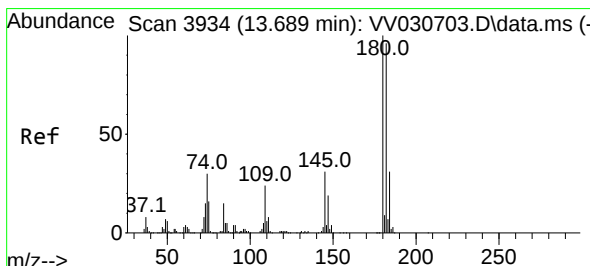
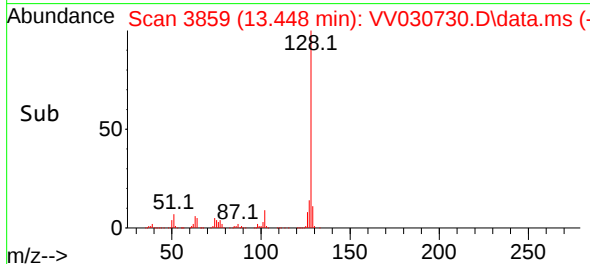
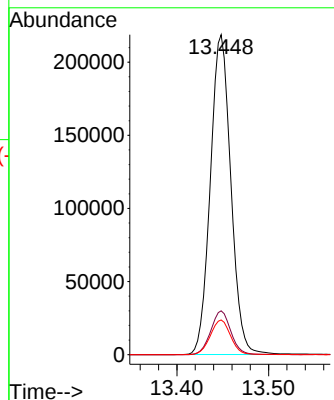
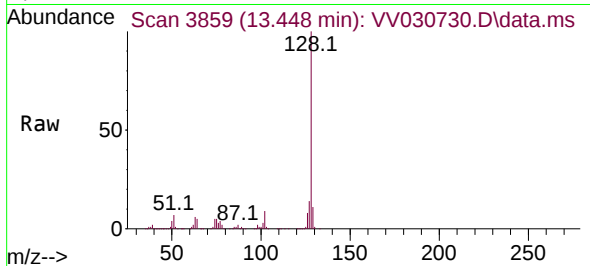




#71
Naphthalene
Concen: 50.757 ug/L
RT: 13.448 min Scan# 3859
Delta R.T. 0.000 min
Lab File: VV030730.D
Acq: 20 Apr 2023 20:28

Instrument :
MSVOA_V
ClientSampleId :
VSTD050297

Tgt Ion:128 Resp: 339534
Ion Ratio Lower Upper
128 100
127 13.4 10.7 16.1
129 10.8 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 53.580 ug/L
RT: 13.689 min Scan# 3934
Delta R.T. 0.000 min
Lab File: VV030730.D
Acq: 20 Apr 2023 20:28

Tgt Ion:180 Resp: 129924
Ion Ratio Lower Upper
180 100
182 94.5 76.2 114.4
145 30.7 25.1 37.7

