

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW042023\
 Data File : VW030703.D
 Acq On : 20 Apr 2023 09:36
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050296

Quant Time: Apr 21 00:12:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM041723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 20 02:25:10 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	222118	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	217946	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	129991	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	82691	50.784	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	101.560%
7) Chloroethane-d5	1.536	69	70952	51.998	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.000%
11) 1,1-Dichloroethene-d2	2.063	65	38201	49.471	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.940%
21) 2-Butanone-d5	3.799	46	86335	96.533	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.530%
24) Chloroform-d	4.259	84	147266	49.906	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.820%
26) 1,2-Dichloroethane-d4	4.950	65	98204	51.764	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.520%
32) Benzene-d6	4.966	84	265110	51.449	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.900%
36) 1,2-Dichloropropane-d6	5.995	67	77799	48.606	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.220%
41) Toluene-d8	7.249	98	258207	53.370	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.740%
43) trans-1,3-Dichloroprop...	7.558	79	42137	52.231	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.460%
47) 2-Hexanone-d5	8.030	63	56601	89.765	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.770%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	113981	49.075	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.160%
66) 1,2-Dichlorobenzene-d4	11.567	152	106399	51.496	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	97650	51.134	ug/L	99
3) Chloromethane	1.217	50	112579	44.940	ug/L	100
5) Vinyl chloride	1.285	62	98910	48.973	ug/L	100
6) Bromomethane	1.490	94	44139	55.115	ug/L	99
8) Chloroethane	1.552	64	66383	47.921	ug/L	98
9) Trichlorofluoromethane	1.719	101	171006	52.242	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	90466	52.588	ug/L	99
12) 1,1-Dichloroethene	2.072	96	79192	50.917	ug/L	92
13) Acetone	2.124	43	180407	130.359	ug/L	100
14) Carbon disulfide	2.246	76	210488	47.915	ug/L	98
15) Methyl Acetate	2.378	43	87691	47.481	ug/L	100
16) Methylene chloride	2.452	84	84965	47.738	ug/L	97
17) trans-1,2-Dichloroethene	2.699	96	76856	48.949	ug/L	96
18) Methyl tert-butyl Ether	2.709	73	266451	52.981	ug/L	98
19) 1,1-Dichloroethane	3.117	63	157259	49.125	ug/L	99
20) cis-1,2-Dichloroethene	3.822	96	86873	50.863	ug/L	99
22) 2-Butanone	3.876	43	159274	111.367	ug/L	99
23) Bromochloromethane	4.153	128	48189	50.516	ug/L	98
25) Chloroform	4.285	83	165859	50.058	ug/L	98

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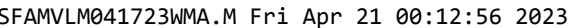
Instrument :
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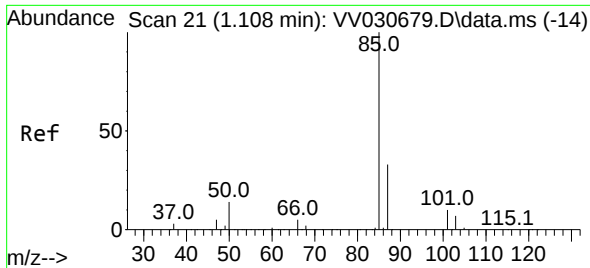
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 Quant Title : VOC Analysis
 QLast Update : Thu Apr 20 02:25:10 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	147223	52.490	ug/L	99
29) Cyclohexane	4.593	56	133786	51.152	ug/L	99
30) 1,1,1-Trichloroethane	4.523	97	155149	50.661	ug/L	100
31) Carbon tetrachloride	4.744	117	139964	51.118	ug/L	98
33) Benzene	5.018	78	340503	51.449	ug/L	100
34) Trichloroethene	5.838	95	86043	49.982	ug/L	95
35) Methylcyclohexane	6.059	83	144155	53.441	ug/L	98
37) 1,2-Dichloropropane	6.098	63	87374	49.049	ug/L	98
38) Bromodichloromethane	6.439	83	127627	51.002	ug/L	96
39) cis-1,3-Dichloropropene	6.960	75	140184	52.433	ug/L	100
40) 4-Methyl-2-pentanone	7.165	43	247766	99.570	ug/L	99
42) Toluene	7.320	91	377669	53.276	ug/L	99
44) trans-1,3-Dichloropropene	7.587	75	140955	53.662	ug/L	100
45) 1,1,2-Trichloroethane	7.773	97	87344	48.898	ug/L	97
46) Tetrachloroethene	7.911	164	79176	52.544	ug/L	98
48) 2-Hexanone	8.082	43	228913	111.491	ug/L	98
49) Dibromochloromethane	8.182	129	100201	50.856	ug/L	98
50) 1,2-Dibromoethane	8.288	107	90309	48.794	ug/L	98
51) Chlorobenzene	8.821	112	242832	51.723	ug/L	99
52) Ethylbenzene	8.953	91	416024	53.011	ug/L	99
53) m,p-Xylene	9.079	106	161133	54.358	ug/L	99
54) o-Xylene	9.484	106	155811	53.729	ug/L	99
55) Styrene	9.503	104	280160	54.998	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.185	83	141862	48.372	ug/L	100
59) Bromoform	9.670	173	81846	50.290	ug/L	100
60) Isopropylbenzene	9.873	105	431810	53.264	ug/L	100
61) 1,2,3-Trichloropropane	10.217	75	107588	46.211	ug/L	98
62) 1,3,5-Trimethylbenzene	10.484	105	355069	53.195	ug/L	100
63) 1,2,4-Trimethylbenzene	10.860	105	355019	53.270	ug/L	100
64) 1,3-Dichlorobenzene	11.124	146	213302	52.553	ug/L	99
65) 1,4-Dichlorobenzene	11.217	146	221571	51.769	ug/L	99
67) 1,2-Dichlorobenzene	11.587	146	213411	52.120	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.371	75	30455	44.152	ug/L	98
69) 1,3,5-Trichlorobenzene	12.590	180	165489	53.975	ug/L	99
70) 1,2,4-trichlorobenzene	13.207	180	136613	52.478	ug/L	99
71) Naphthalene	13.448	128	350979	49.286	ug/L	99
72) 1,2,3-Trichlorobenzene	13.689	180	137712	53.348	ug/L	100

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

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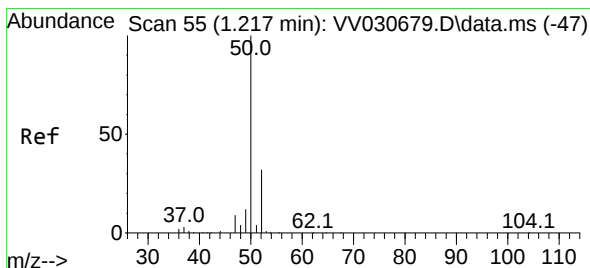
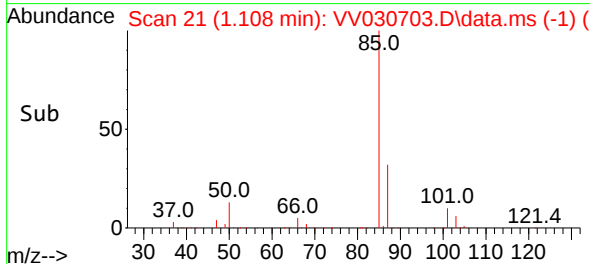
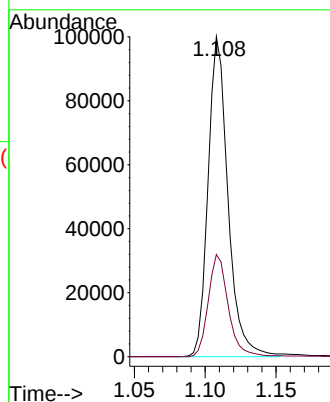
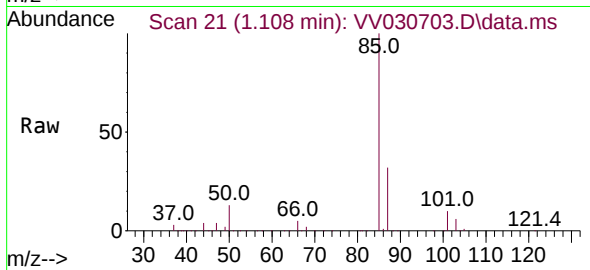




#2
 Dichlorodifluoromethane
 Concen: 51.134 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV030703.D
 Acq: 20 Apr 2023 09:36

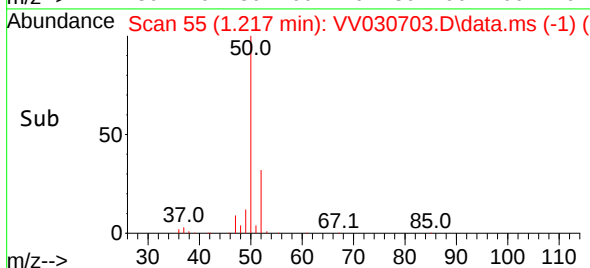
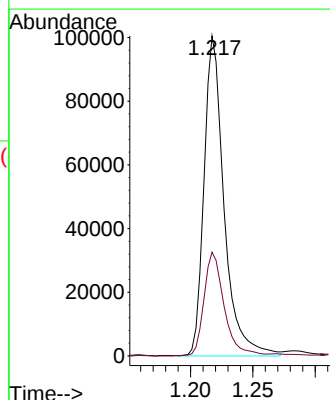
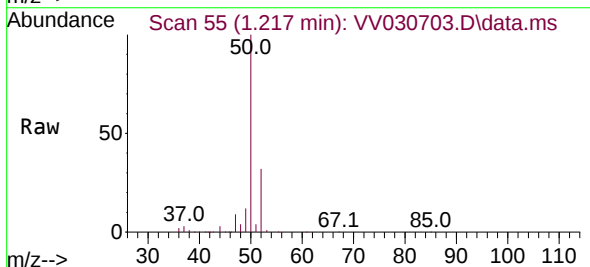
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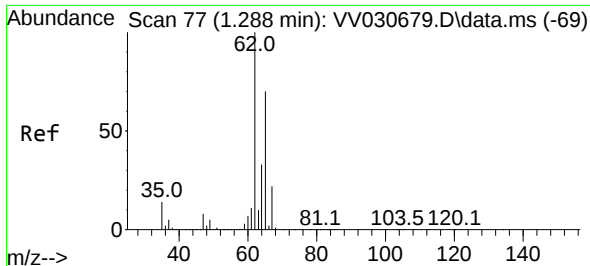
Tgt Ion: 85 Resp: 97650
 Ion Ratio Lower Upper
 85 100
 87 32.3 25.6 38.4



#3
 Chloromethane
 Concen: 44.940 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV030703.D
 Acq: 20 Apr 2023 09:36

Tgt Ion: 50 Resp: 112579
 Ion Ratio Lower Upper
 50 100
 52 32.4 22.5 41.9

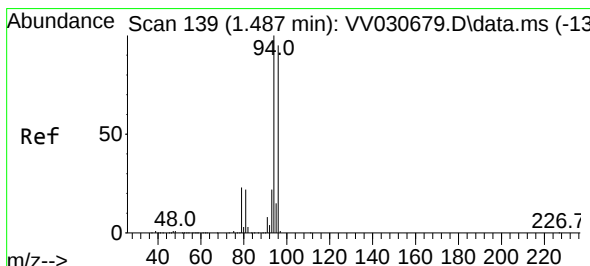
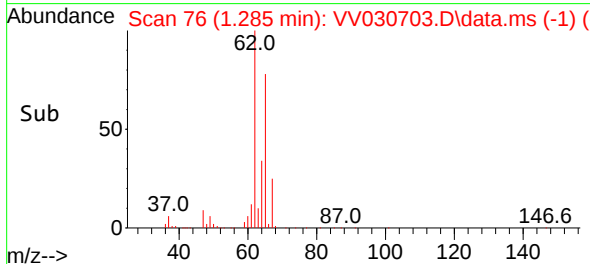
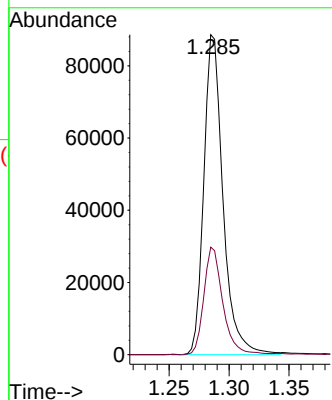
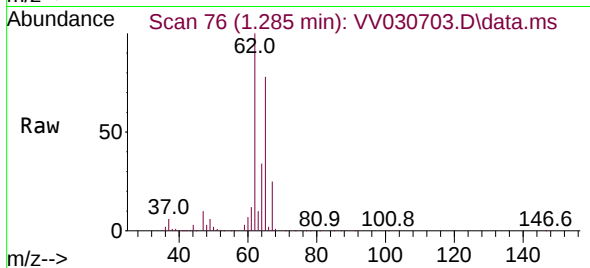




#5
 Vinyl chloride
 Concen: 48.973 ug/L
 RT: 1.285 min Scan# 77
 Delta R.T. -0.003 min
 Lab File: VV030703.D
 Acq: 20 Apr 2023 09:36

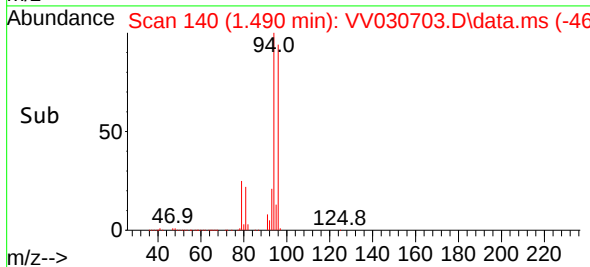
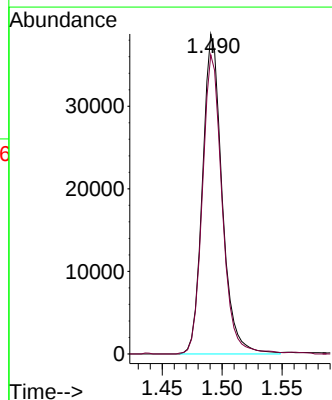
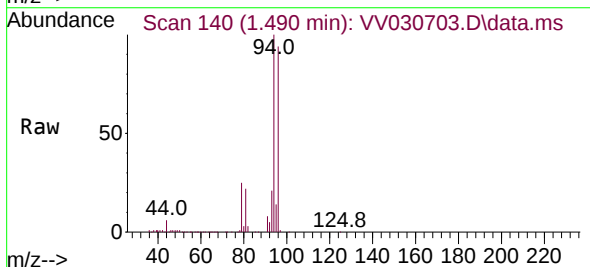
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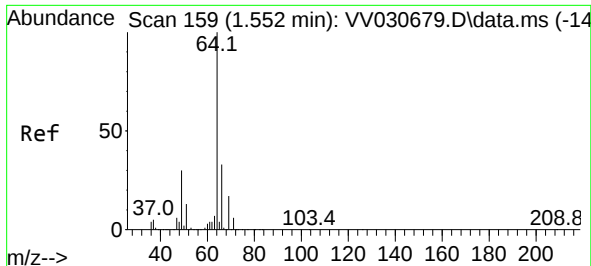
Tgt Ion: 62 Resp: 98910
 Ion Ratio Lower Upper
 62 100
 64 33.6 23.4 43.4



#6
 Bromomethane
 Concen: 55.115 ug/L
 RT: 1.490 min Scan# 140
 Delta R.T. 0.003 min
 Lab File: VV030703.D
 Acq: 20 Apr 2023 09:36

Tgt Ion: 94 Resp: 44139
 Ion Ratio Lower Upper
 94 100
 96 93.5 66.3 123.1

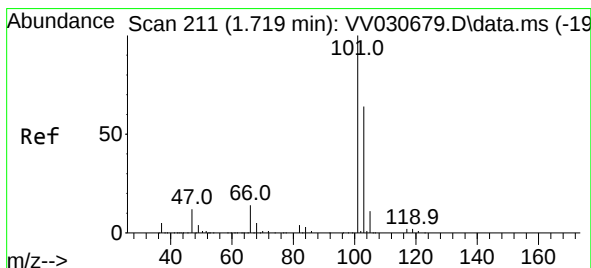
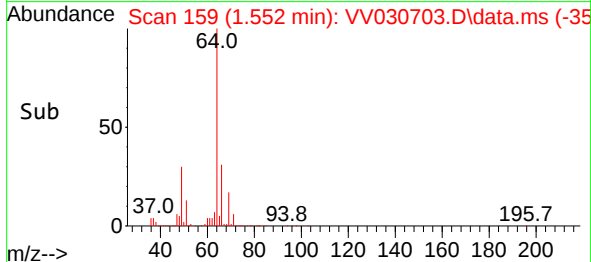
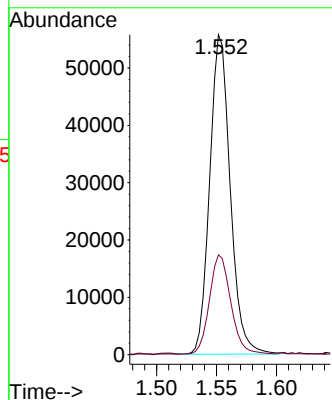
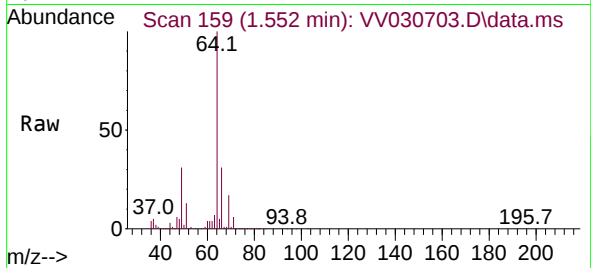




#8
Chloroethane
Concen: 47.921 ug/L
RT: 1.552 min Scan# 159
Delta R.T. 0.000 min
Lab File: VV030703.D
Acq: 20 Apr 2023 09:36

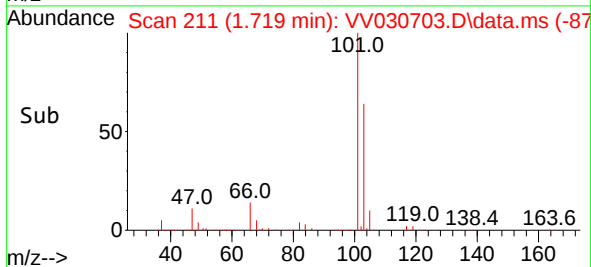
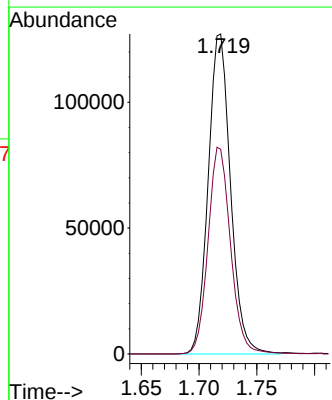
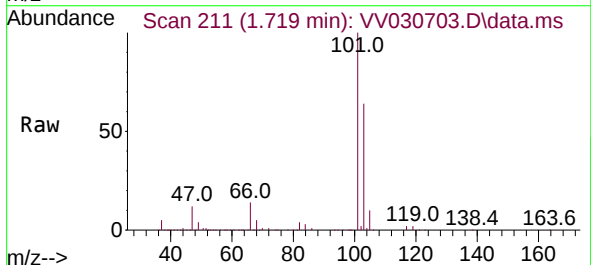
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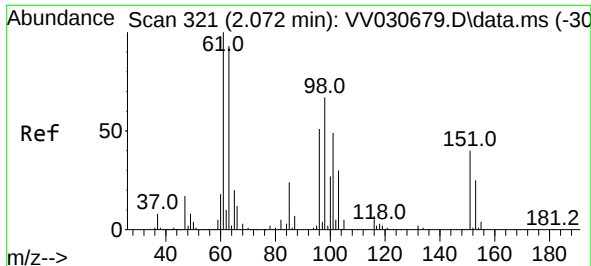
Tgt Ion: 64 Resp: 66383
Ion Ratio Lower Upper
64 100
66 31.2 22.7 42.3



#9
Trichlorofluoromethane
Concen: 52.242 ug/L
RT: 1.719 min Scan# 211
Delta R.T. 0.000 min
Lab File: VV030703.D
Acq: 20 Apr 2023 09:36

Tgt Ion:101 Resp: 171006
Ion Ratio Lower Upper
101 100
103 65.1 51.4 77.0

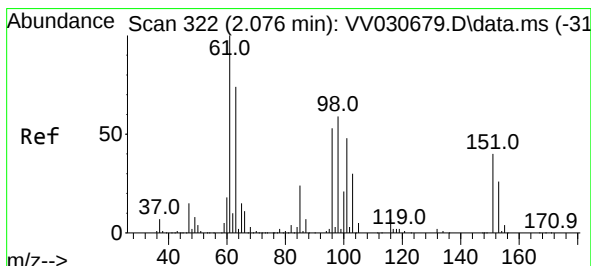
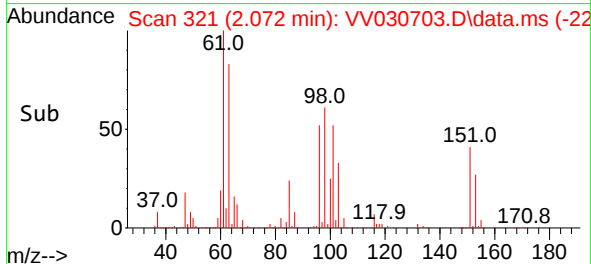
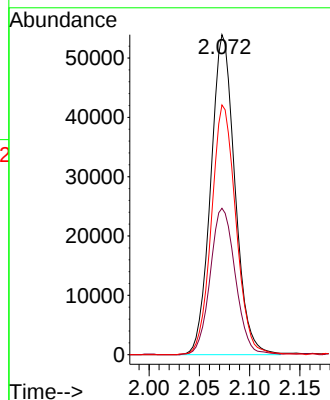
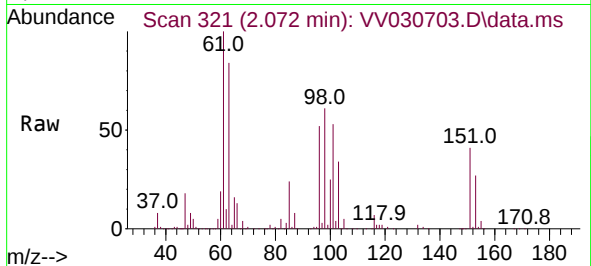




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 52.588 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. 0.000 min
 Lab File: VV030703.D
 Acq: 20 Apr 2023 09:36

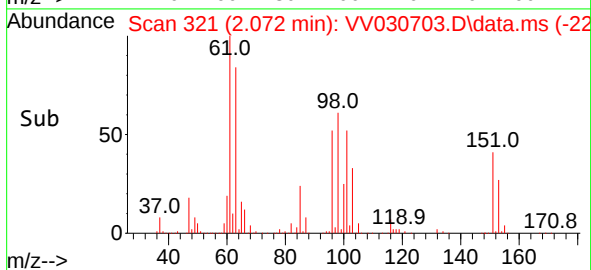
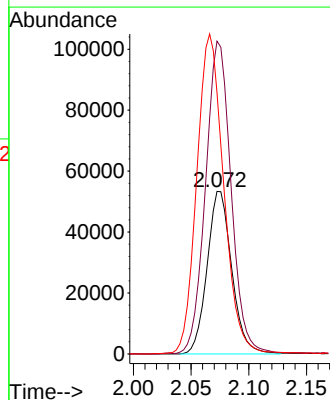
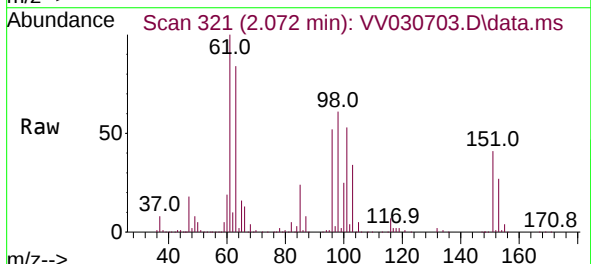
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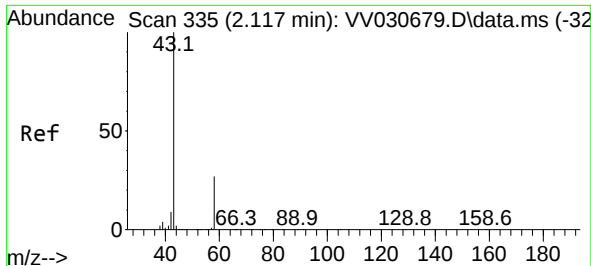
Tgt Ion:101 Resp: 90466
 Ion Ratio Lower Upper
 101 100
 85 47.3 37.5 56.3
 151 78.3 63.5 95.3



#12
 1,1-Dichloroethene
 Concen: 50.917 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. -0.003 min
 Lab File: VV030703.D
 Acq: 20 Apr 2023 09:36

Tgt Ion: 96 Resp: 79192
 Ion Ratio Lower Upper
 96 100
 61 192.5 131.9 245.0
 63 160.8 99.8 185.3





#13

Acetone

Concen: 130.359 ug/L

RT: 2.124 min Scan# 31

Delta R.T. 0.006 min

Lab File: VV030703.D

Acq: 20 Apr 2023 09:36

Instrument :

MSVOA_V

ClientSampleId :

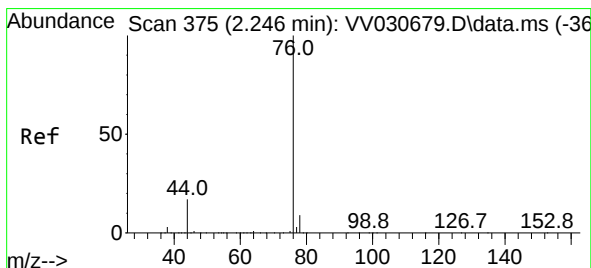
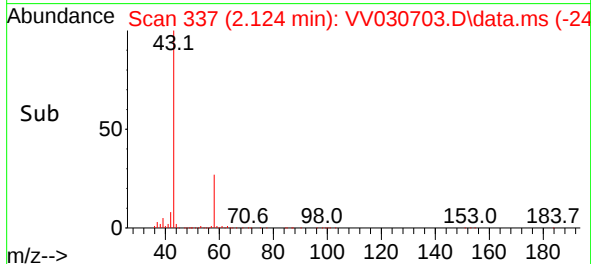
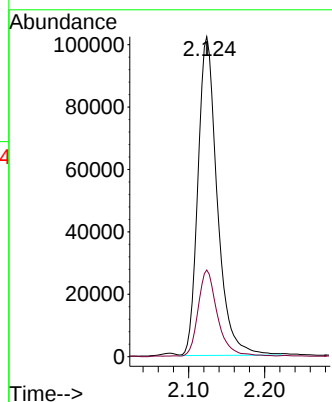
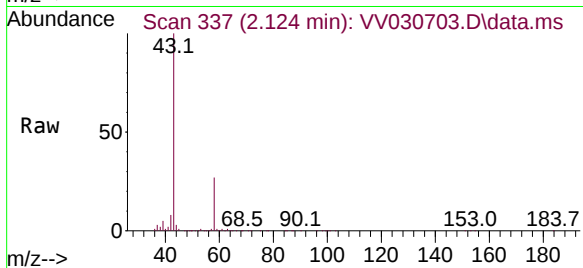
VSTD050296

Tgt Ion: 43 Resp: 180407

Ion Ratio Lower Upper

43 100

58 26.6 0.0 52.8



#14

Carbon disulfide

Concen: 47.915 ug/L

RT: 2.246 min Scan# 375

Delta R.T. 0.000 min

Lab File: VV030703.D

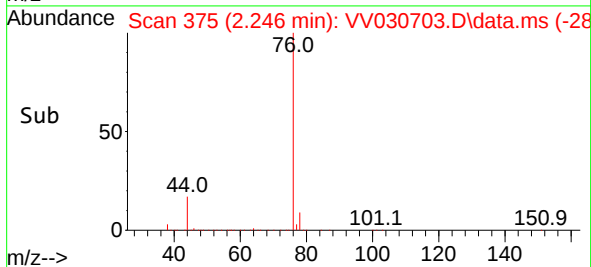
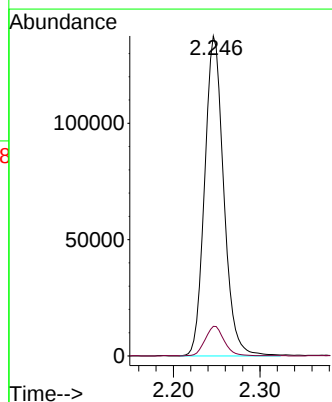
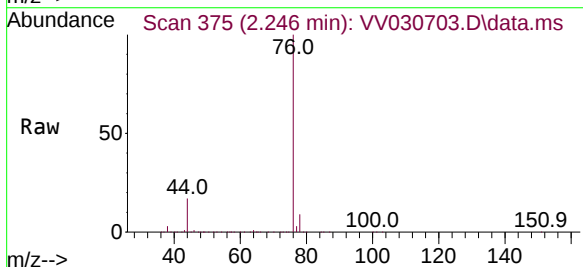
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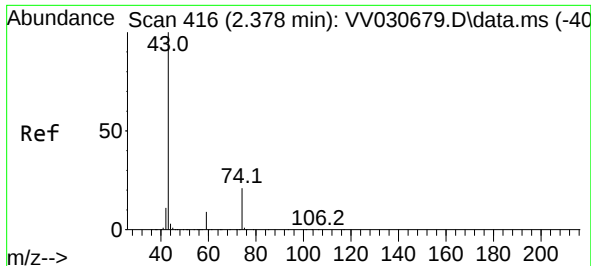
Tgt Ion: 76 Resp: 210488

Ion Ratio Lower Upper

76 100

78 9.3 7.0 10.4

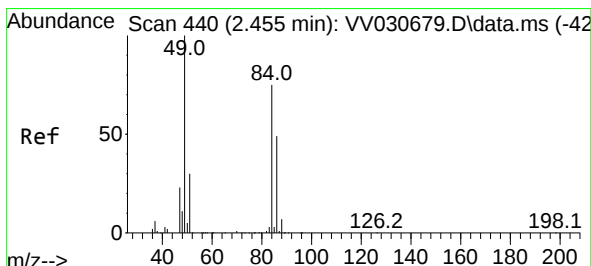
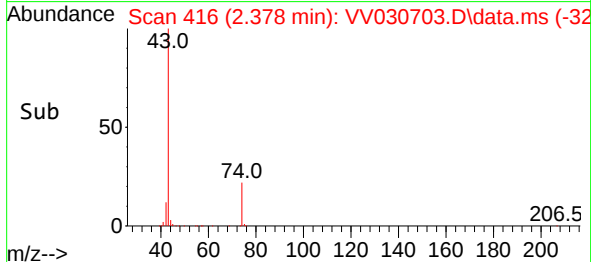
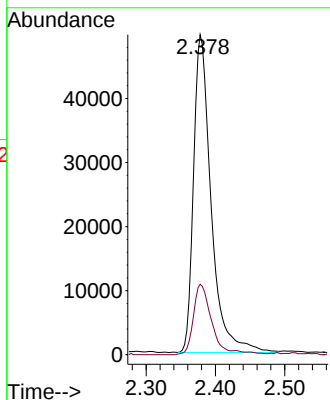
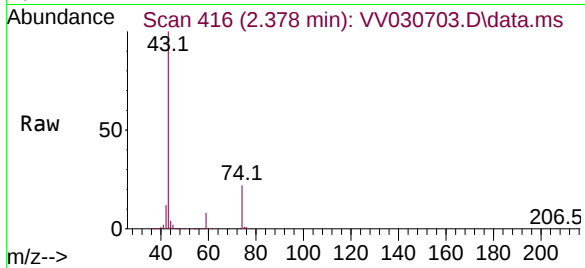




#15
Methyl Acetate
Concen: 47.481 ug/L
RT: 2.378 min Scan# 416
Delta R.T. 0.000 min
Lab File: VV030703.D
Acq: 20 Apr 2023 09:36

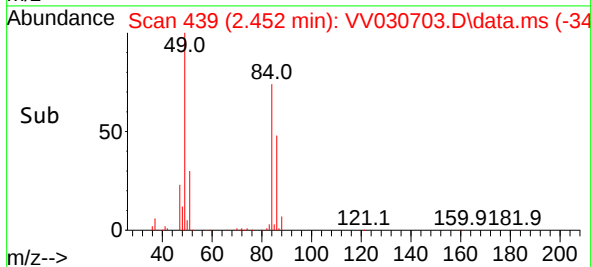
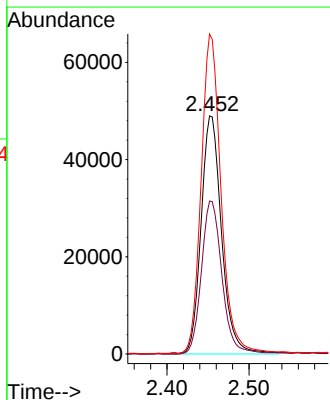
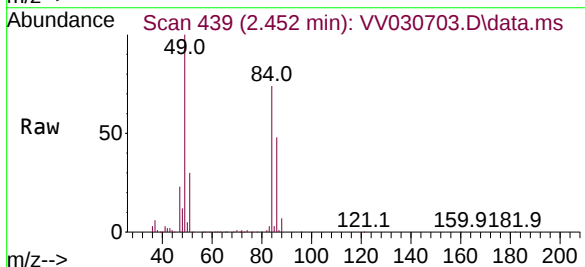
Instrument :
MSVOA_V
ClientSampleId :
VSTD050296

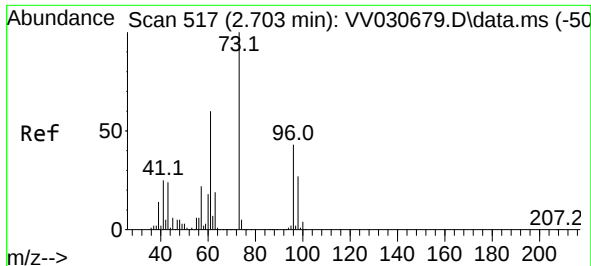
Tgt Ion: 43 Resp: 87691
Ion Ratio Lower Upper
43 100
74 22.0 17.7 26.5



#16
Methylene chloride
Concen: 47.738 ug/L
RT: 2.452 min Scan# 439
Delta R.T. -0.003 min
Lab File: VV030703.D
Acq: 20 Apr 2023 09:36

Tgt Ion: 84 Resp: 84965
Ion Ratio Lower Upper
84 100
86 64.3 45.4 84.2
49 134.4 90.4 168.0

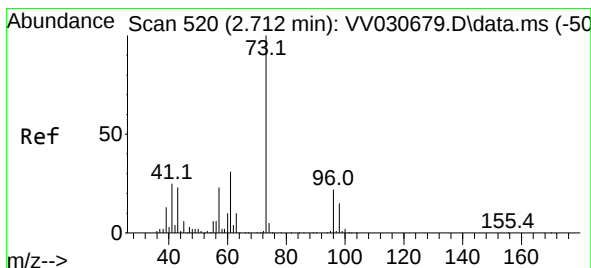
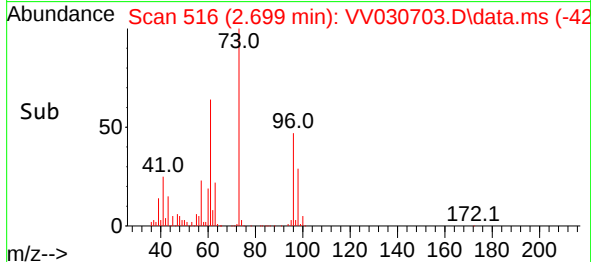
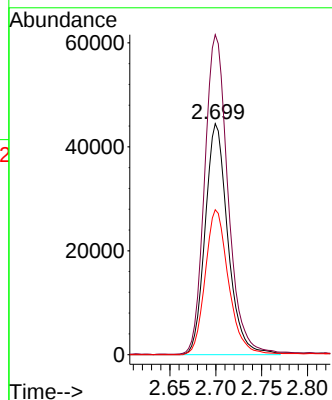
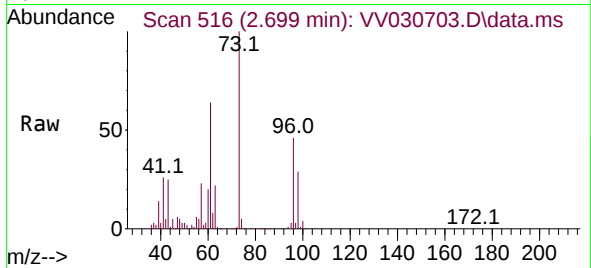




#17
trans-1,2-Dichloroethene
Concen: 48.949 ug/L
RT: 2.699 min Scan# 517
Delta R.T. -0.003 min
Lab File: VV030703.D
Acq: 20 Apr 2023 09:36

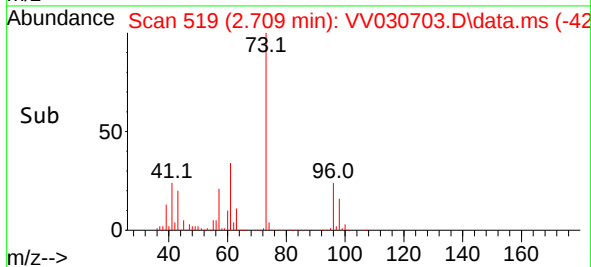
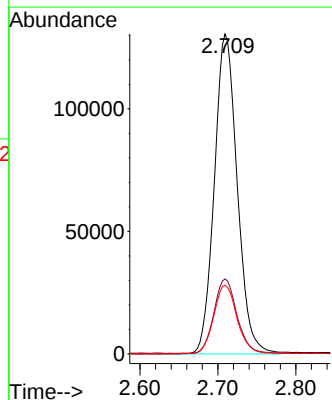
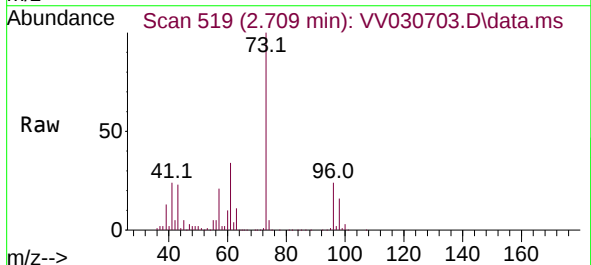
Instrument :
MSVOA_V
ClientSampleId :
VSTD050296

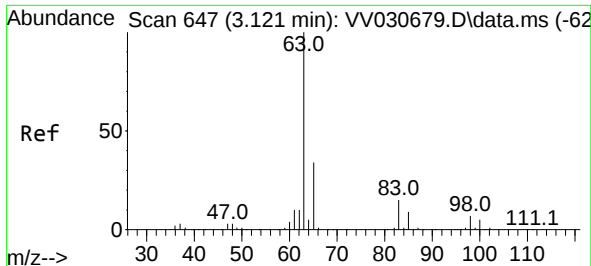
Tgt Ion: 96 Resp: 76856
Ion Ratio Lower Upper
96 100
61 138.5 101.0 187.6
98 62.8 45.4 84.2



#18
Methyl tert-butyl Ether
Concen: 52.981 ug/L
RT: 2.709 min Scan# 519
Delta R.T. -0.003 min
Lab File: VV030703.D
Acq: 20 Apr 2023 09:36

Tgt Ion: 73 Resp: 266451
Ion Ratio Lower Upper
73 100
43 23.3 17.6 26.4
57 22.2 18.2 27.2





#19

1,1-Dichloroethane

Concen: 49.125 ug/L

RT: 3.117 min Scan# 64

Delta R.T. -0.003 min

Lab File: VV030703.D

Acq: 20 Apr 2023 09:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD050296

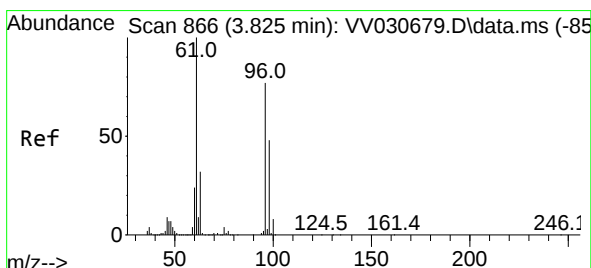
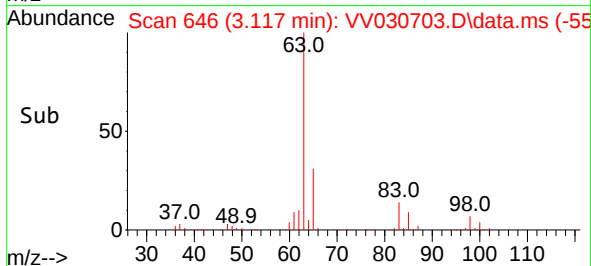
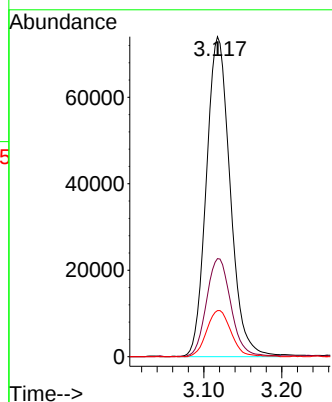
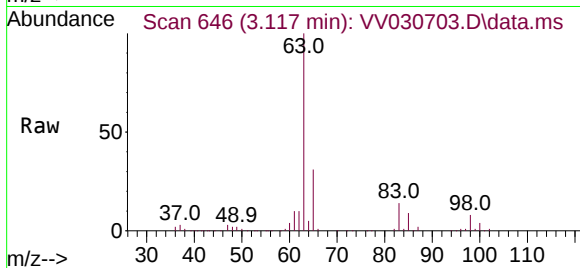
Tgt Ion: 63 Resp: 157259

Ion Ratio Lower Upper

63 100

65 30.6 21.8 40.6

83 14.4 10.2 19.0



#20

cis-1,2-Dichloroethene

Concen: 50.863 ug/L

RT: 3.822 min Scan# 865

Delta R.T. -0.003 min

Lab File: VV030703.D

Acq: 20 Apr 2023 09:36

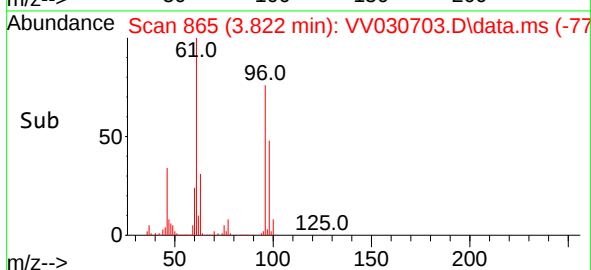
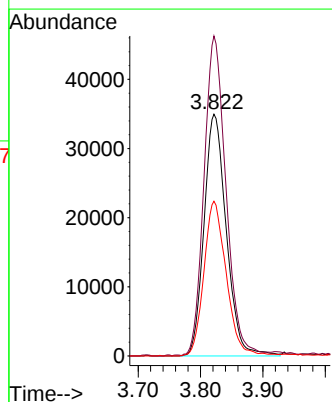
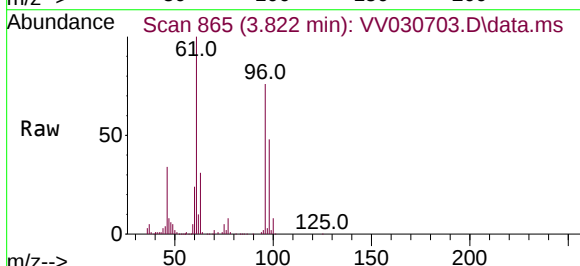
Tgt Ion: 96 Resp: 86873

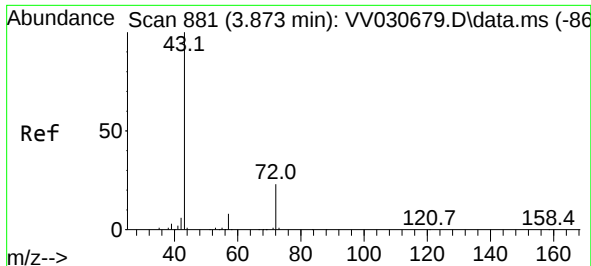
Ion Ratio Lower Upper

96 100

61 132.4 92.3 171.3

98 64.0 45.9 85.3

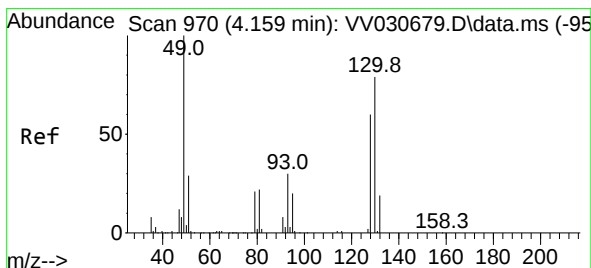
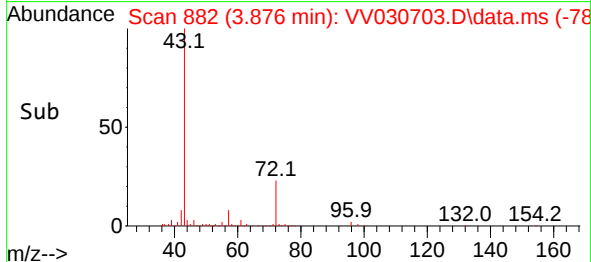
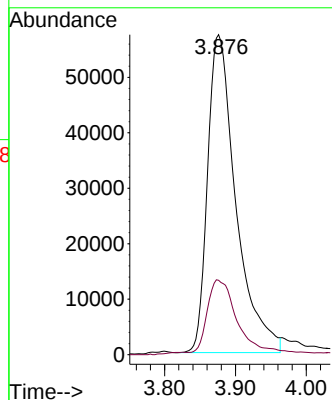
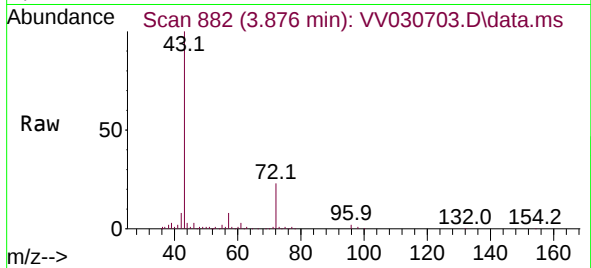




#22
2-Butanone
Concen: 111.367 ug/L
RT: 3.876 min Scan# 881
Delta R.T. 0.003 min
Lab File: VV030703.D
Acq: 20 Apr 2023 09:36

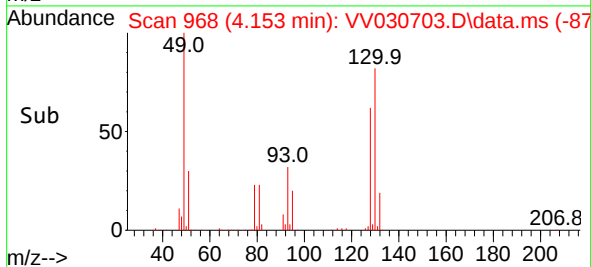
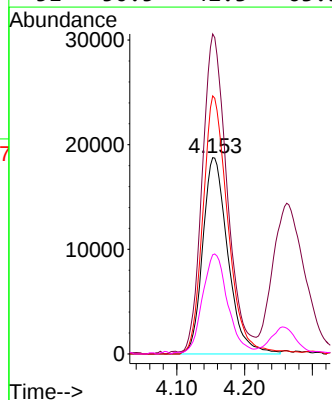
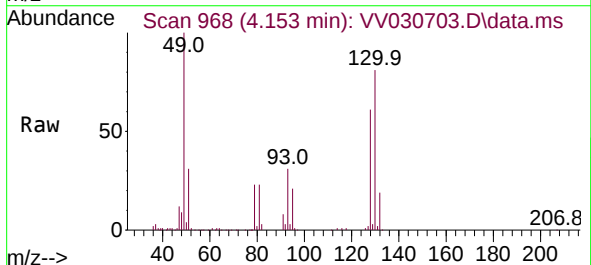
Instrument :
MSVOA_V
ClientSampleId :
VSTD050296

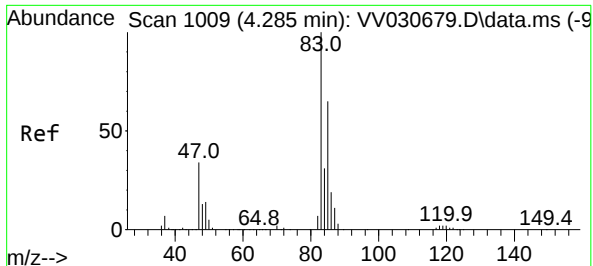
Tgt Ion: 43 Resp: 159274
Ion Ratio Lower Upper
43 100
72 23.5 11.5 34.4



#23
Bromochloromethane
Concen: 50.516 ug/L
RT: 4.153 min Scan# 968
Delta R.T. -0.006 min
Lab File: VV030703.D
Acq: 20 Apr 2023 09:36

Tgt Ion:128 Resp: 48189
Ion Ratio Lower Upper
128 100
49 163.0 114.7 213.1
130 131.5 89.0 165.2
51 50.5 42.3 63.5

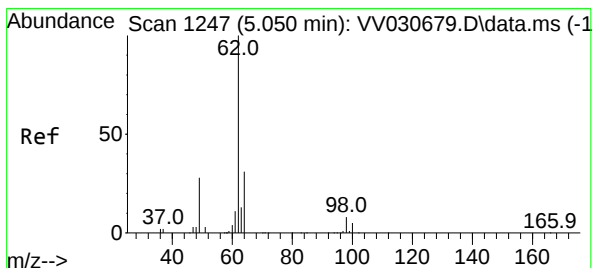
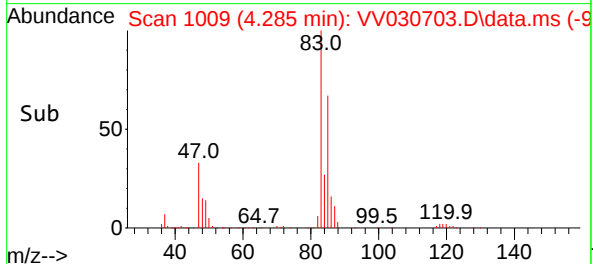
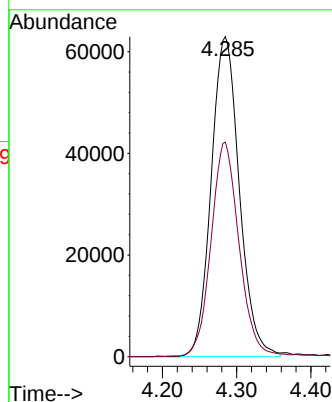
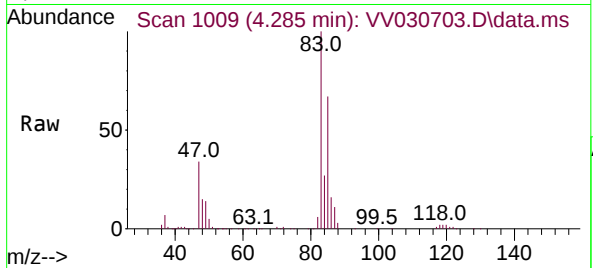




#25
Chloroform
Concen: 50.058 ug/L
RT: 4.285 min Scan# 1009
Delta R.T. 0.000 min
Lab File: VV030703.D
Acq: 20 Apr 2023 09:36

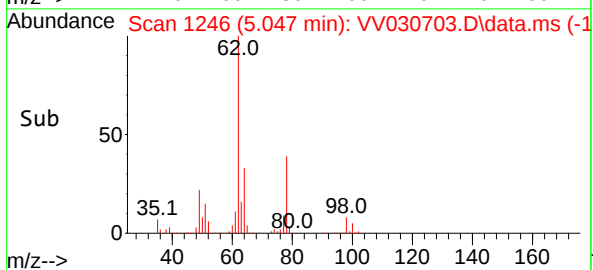
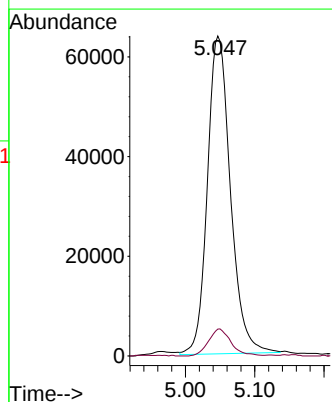
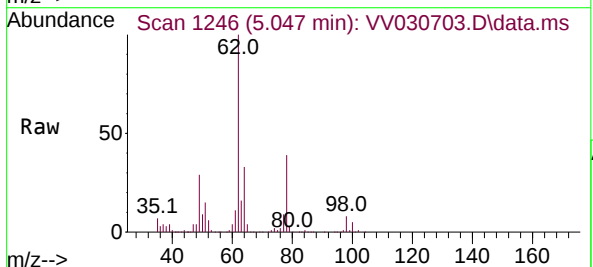
Instrument :
MSVOA_V
ClientSampleId :
VSTD050296

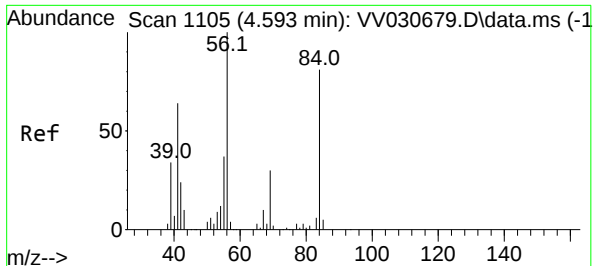
Tgt Ion: 83 Resp: 165859
Ion Ratio Lower Upper
83 100
85 67.1 45.8 85.2



#27
1,2-Dichloroethane
Concen: 52.490 ug/L
RT: 5.047 min Scan# 1246
Delta R.T. -0.003 min
Lab File: VV030703.D
Acq: 20 Apr 2023 09:36

Tgt Ion: 62 Resp: 147223
Ion Ratio Lower Upper
62 100
98 8.4 6.4 9.6





#29

Cyclohexane

Concen: 51.152 ug/L

RT: 4.593 min Scan# 1105

Delta R.T. 0.000 min

Lab File: VV030703.D

Acq: 20 Apr 2023 09:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD050296

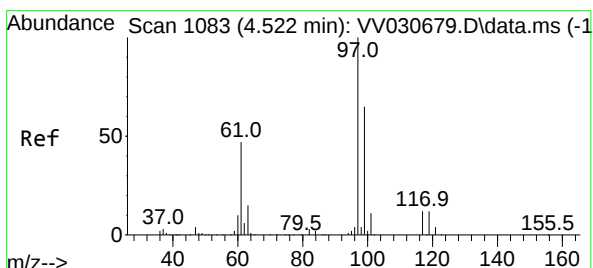
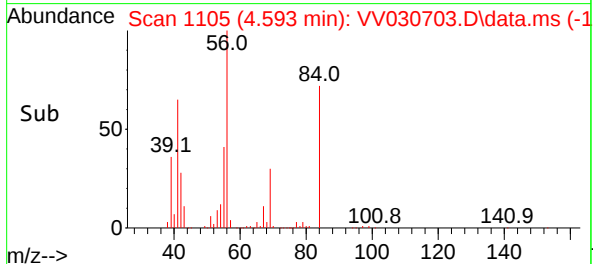
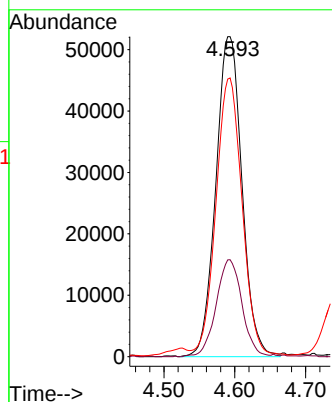
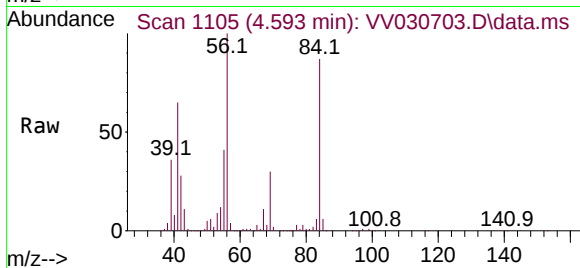
Tgt Ion: 56 Resp: 133786

Ion Ratio Lower Upper

56 100

69 29.8 24.0 36.0

84 86.3 68.2 102.2



#30

1,1,1-Trichloroethane

Concen: 50.661 ug/L

RT: 4.523 min Scan# 1083

Delta R.T. 0.000 min

Lab File: VV030703.D

Acq: 20 Apr 2023 09:36

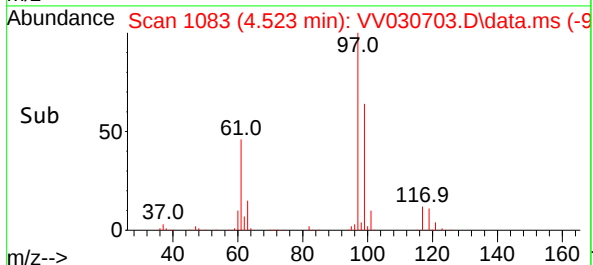
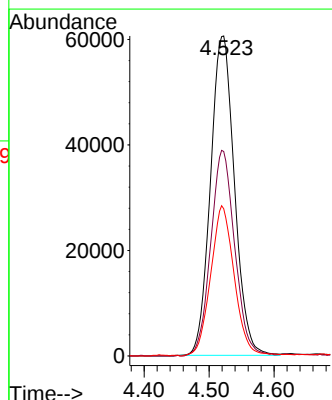
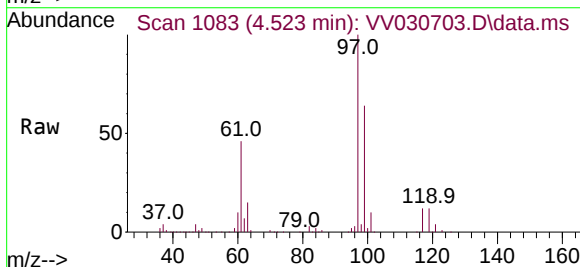
Tgt Ion: 97 Resp: 155149

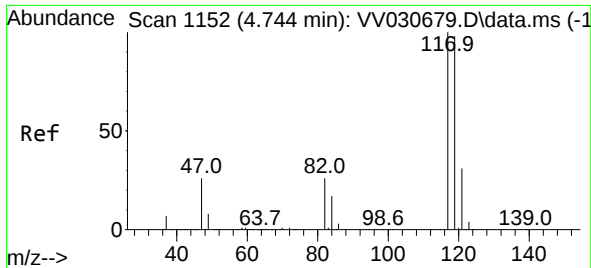
Ion Ratio Lower Upper

97 100

99 64.4 51.4 77.0

61 46.3 37.0 55.6

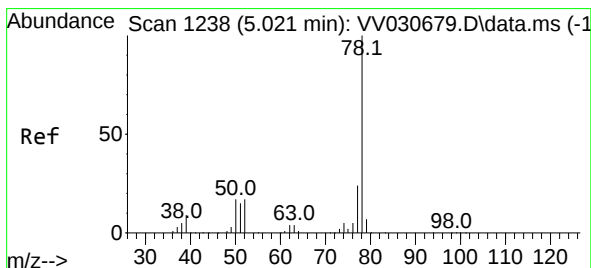
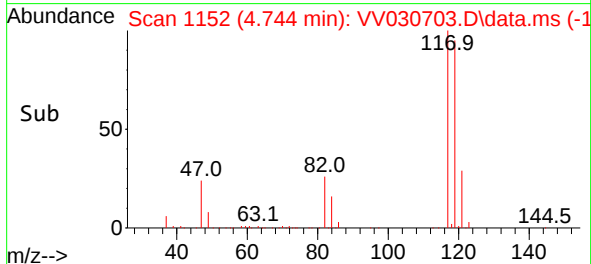
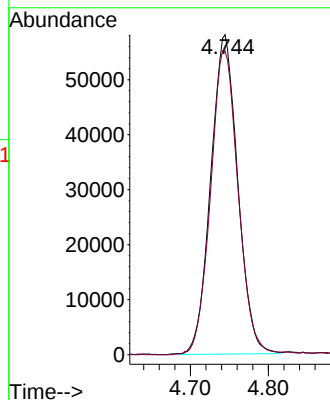
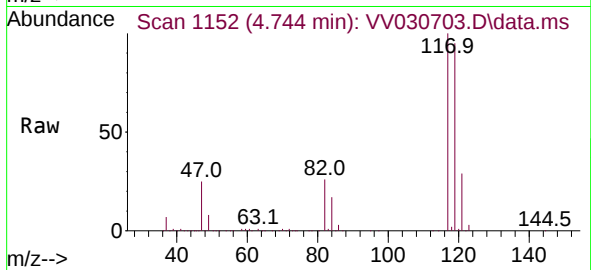




#31
Carbon tetrachloride
Concen: 51.118 ug/L
RT: 4.744 min Scan# 1152
Delta R.T. 0.000 min
Lab File: VV030703.D
Acq: 20 Apr 2023 09:36

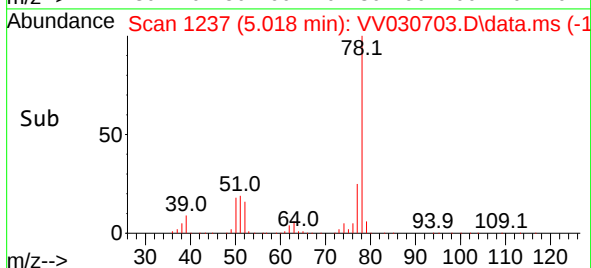
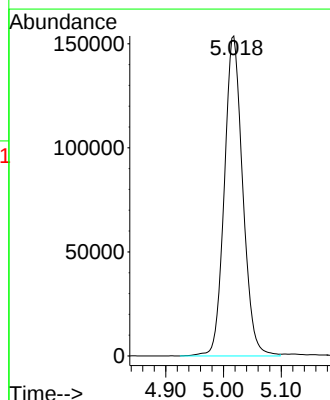
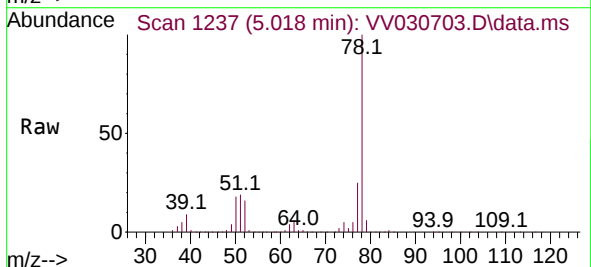
Instrument :
MSVOA_V
ClientSampleId :
VSTD050296

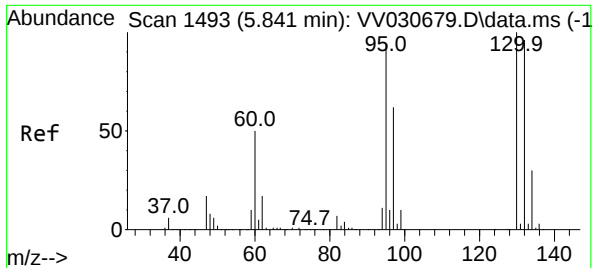
Tgt Ion:117 Resp: 139964
Ion Ratio Lower Upper
117 100
119 97.2 75.9 113.9



#33
Benzene
Concen: 51.449 ug/L
RT: 5.018 min Scan# 1237
Delta R.T. -0.003 min
Lab File: VV030703.D
Acq: 20 Apr 2023 09:36

Tgt Ion: 78 Resp: 340503





#34

Trichloroethene

Concen: 49.982 ug/L

RT: 5.838 min Scan# 1492

Delta R.T. -0.003 min

Lab File: VV030703.D

Acq: 20 Apr 2023 09:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD050296

Tgt Ion: 95 Resp: 86043

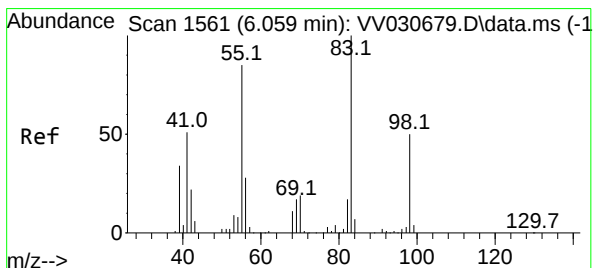
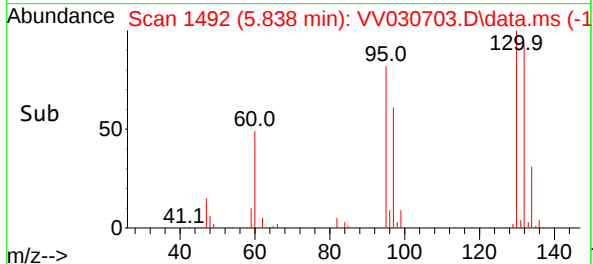
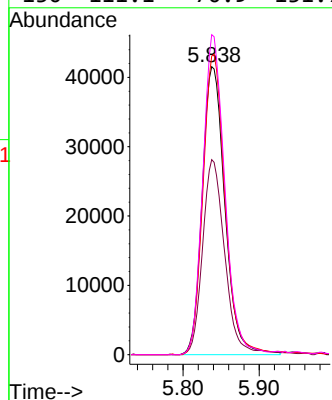
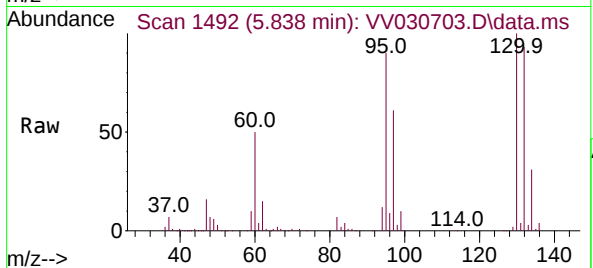
Ion Ratio Lower Upper

95 100

97 67.7 45.8 85.2

132 103.7 70.6 131.2

130 111.1 70.9 131.7



#35

Methylcyclohexane

Concen: 53.441 ug/L

RT: 6.059 min Scan# 1561

Delta R.T. 0.000 min

Lab File: VV030703.D

Acq: 20 Apr 2023 09:36

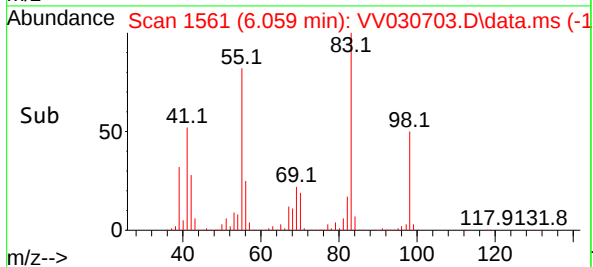
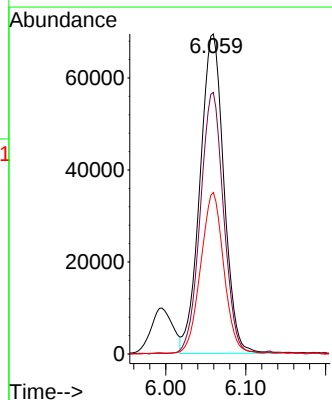
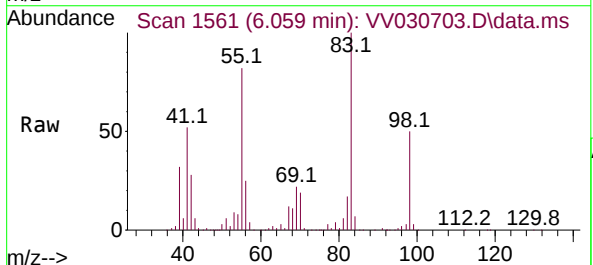
Tgt Ion: 83 Resp: 144155

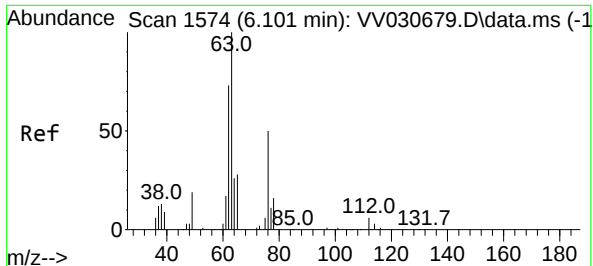
Ion Ratio Lower Upper

83 100

55 79.6 65.5 98.3

98 49.3 38.7 58.1

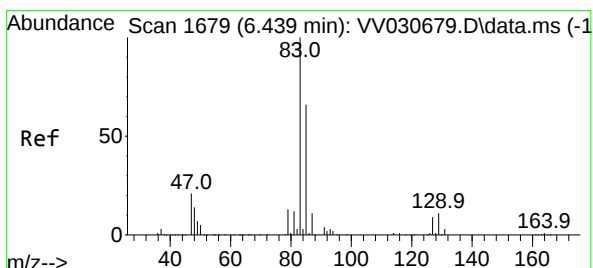
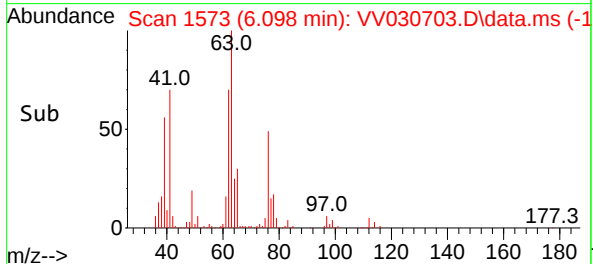
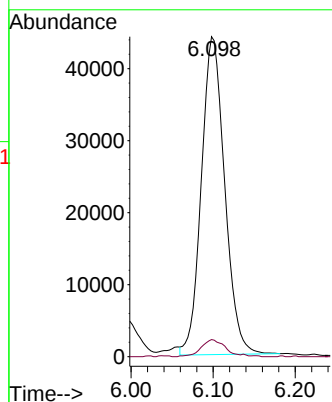
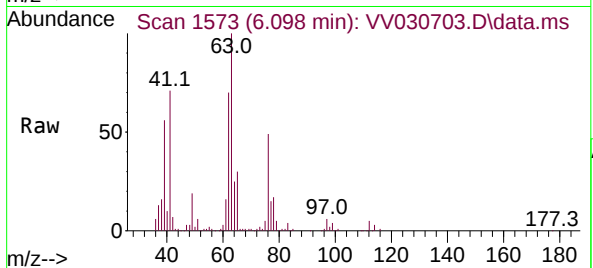




#37
1,2-Dichloropropane
Concen: 49.049 ug/L
RT: 6.098 min Scan# 1
Delta R.T. -0.003 min
Lab File: VV030703.D
Acq: 20 Apr 2023 09:36

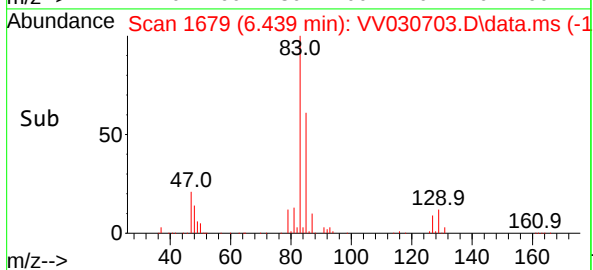
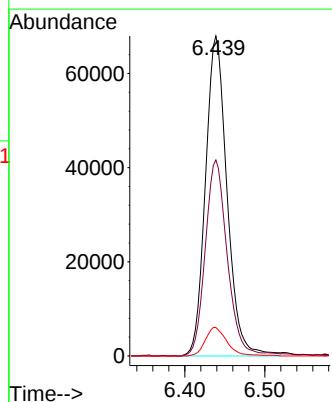
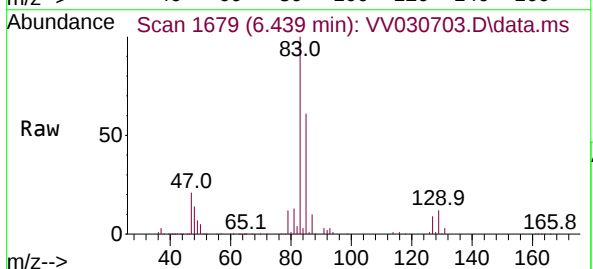
Instrument :
MSVOA_V
ClientSampleId :
VSTD050296

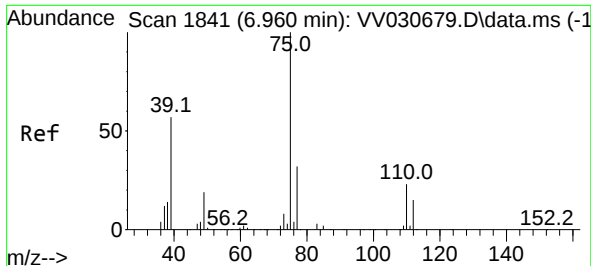
Tgt Ion: 63 Resp: 87374
Ion Ratio Lower Upper
63 100
112 5.4 3.8 5.8



#38
Bromodichloromethane
Concen: 51.002 ug/L
RT: 6.439 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VV030703.D
Acq: 20 Apr 2023 09:36

Tgt Ion: 83 Resp: 127627
Ion Ratio Lower Upper
83 100
85 61.2 45.4 84.4
127 8.9 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 52.433 ug/L

RT: 6.960 min Scan# 1841

Delta R.T. 0.000 min

Lab File: VV030703.D

Acq: 20 Apr 2023 09:36

Instrument :

MSVOA_V

ClientSampleId :

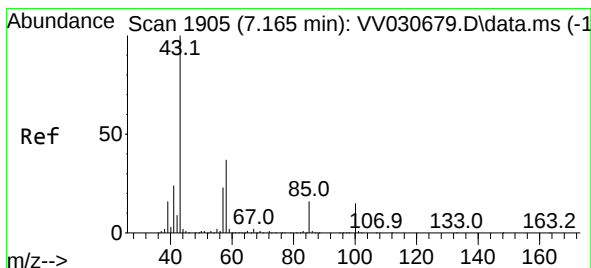
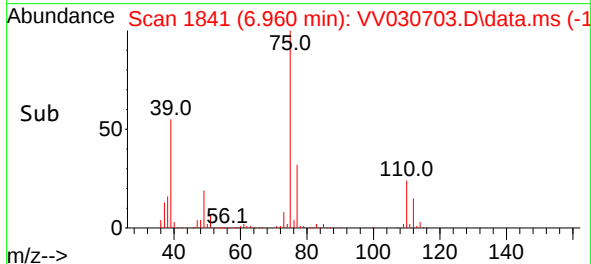
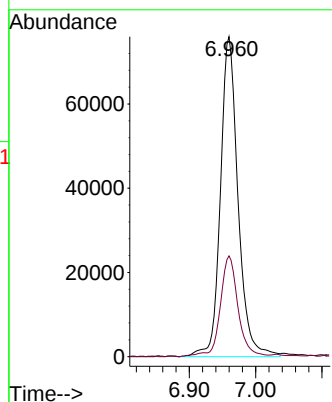
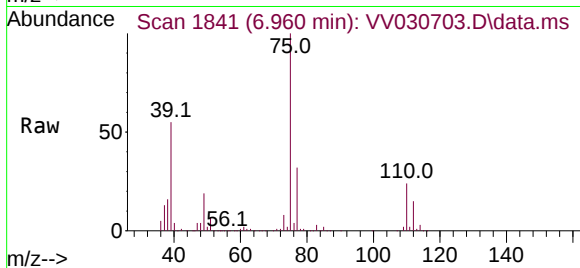
VSTD050296

Tgt Ion: 75 Resp: 140184

Ion Ratio Lower Upper

75 100

77 31.5 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 99.570 ug/L

RT: 7.165 min Scan# 1905

Delta R.T. 0.000 min

Lab File: VV030703.D

Acq: 20 Apr 2023 09:36

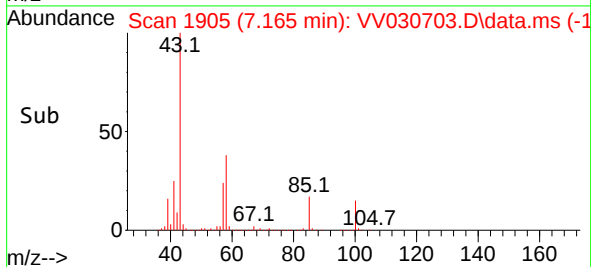
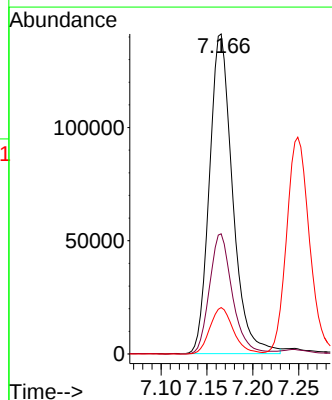
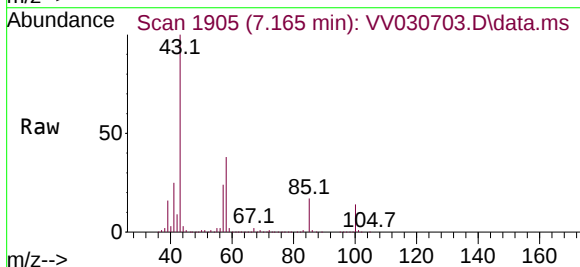
Tgt Ion: 43 Resp: 247766

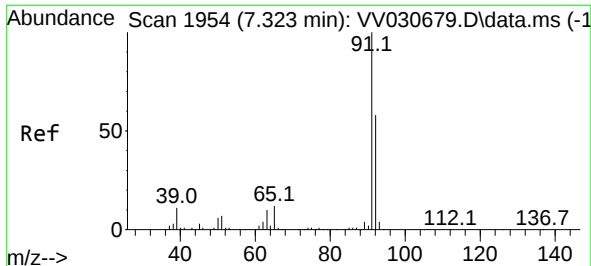
Ion Ratio Lower Upper

43 100

58 37.3 29.2 43.8

100 14.7 11.3 16.9





#42

Toluene

Concen: 53.276 ug/L

RT: 7.320 min Scan# 1954

Delta R.T. -0.003 min

Lab File: VV030703.D

Acq: 20 Apr 2023 09:36

Instrument :

MSVOA_V

ClientSampleId :

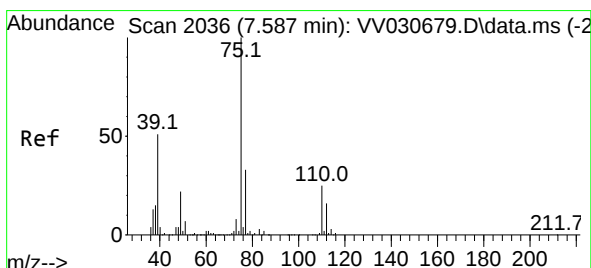
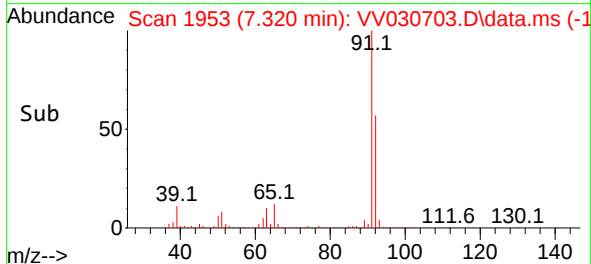
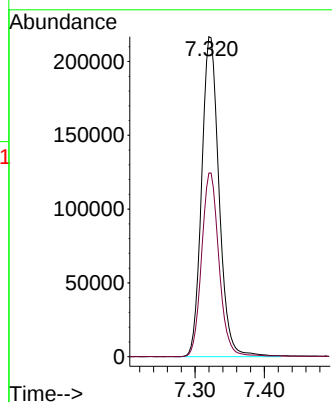
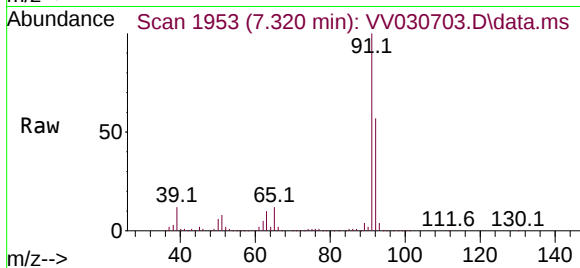
VSTD050296

Tgt Ion: 91 Resp: 377669

Ion Ratio Lower Upper

91 100

92 57.3 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 53.662 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. 0.000 min

Lab File: VV030703.D

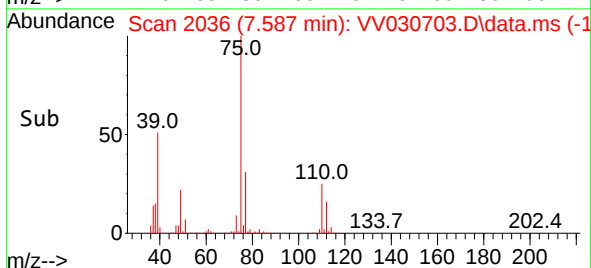
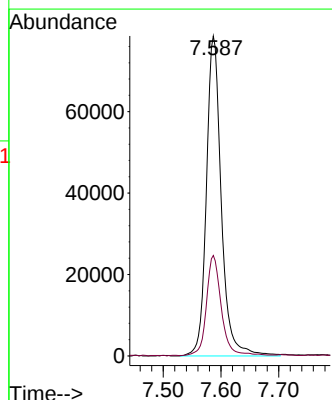
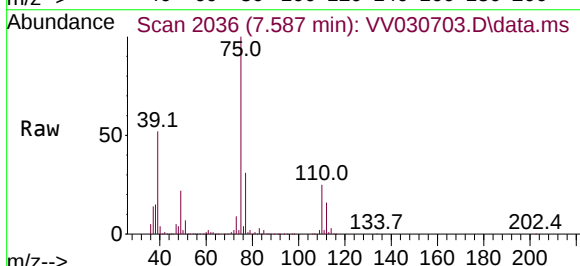
Acq: 20 Apr 2023 09:36

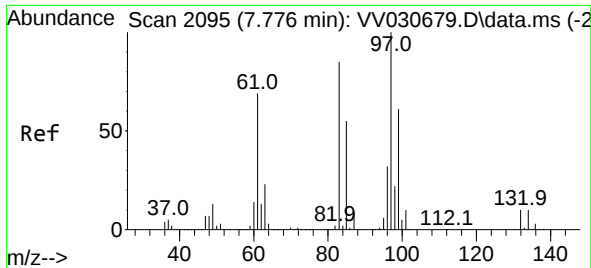
Tgt Ion: 75 Resp: 140955

Ion Ratio Lower Upper

75 100

77 31.4 22.1 41.1

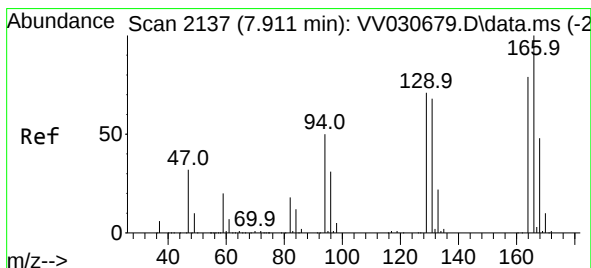
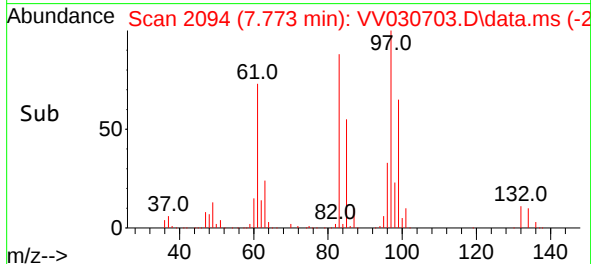
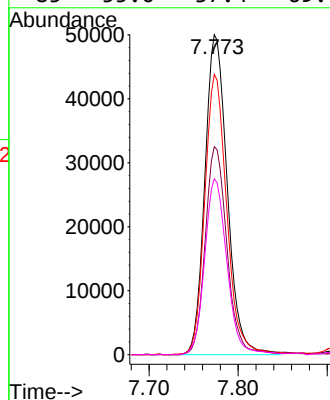
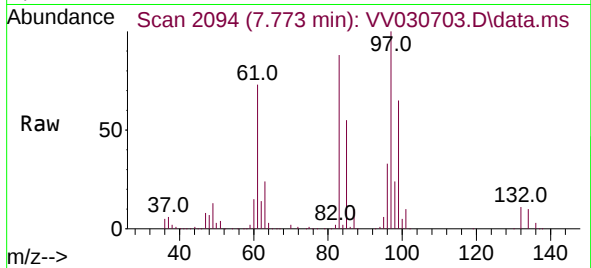




#45
1,1,2-Trichloroethane
Concen: 48.898 ug/L
RT: 7.773 min Scan# 2094
Delta R.T. -0.003 min
Lab File: VV030703.D
Acq: 20 Apr 2023 09:36

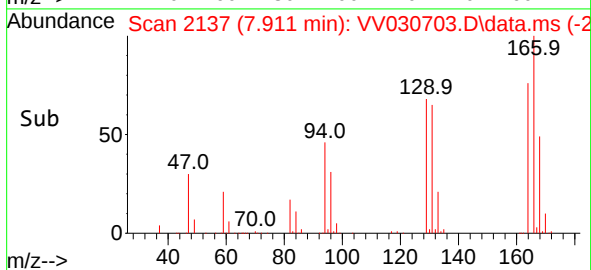
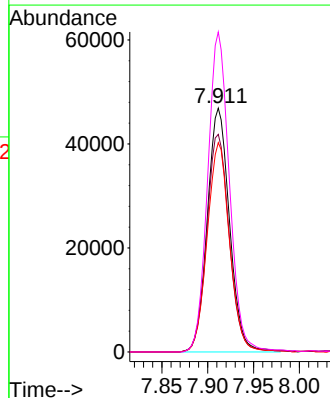
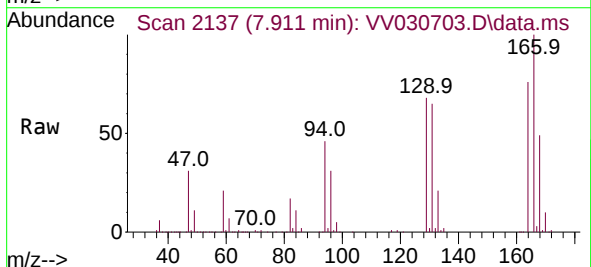
Instrument :
MSVOA_V
ClientSampleId :
VSTD050296

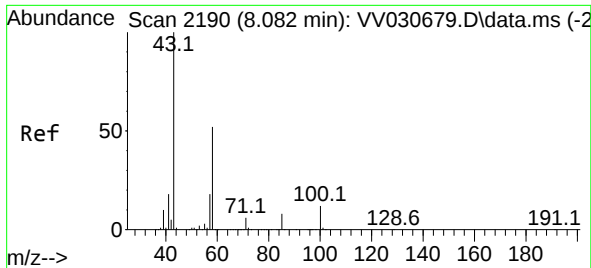
Tgt Ion: 97	Resp: 87344
Ion Ratio	Lower Upper
97 100	
99 65.0	43.8 81.4
83 87.6	59.6 110.6
85 55.0	37.4 69.4



#46
Tetrachloroethene
Concen: 52.544 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. 0.000 min
Lab File: VV030703.D
Acq: 20 Apr 2023 09:36

Tgt	Ion:164	Resp:	79176
Ion	Ratio	Lower	Upper
164	100		
129	89.2	63.8	118.6
131	85.8	60.3	111.9
166	131.2	89.5	166.1



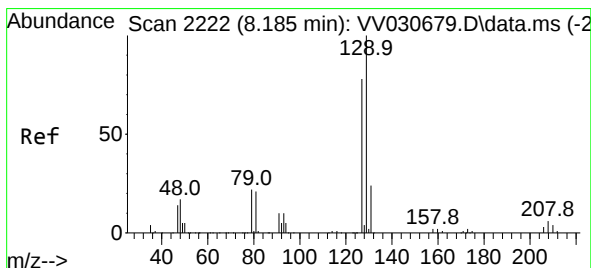
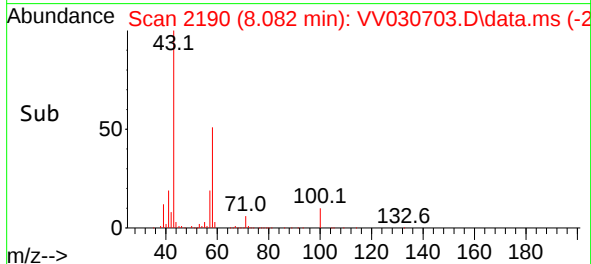
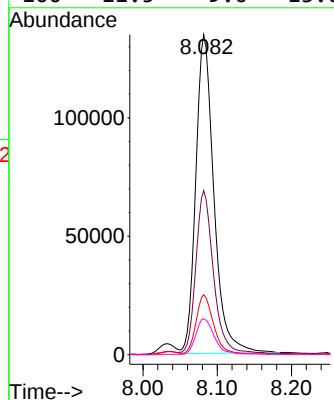
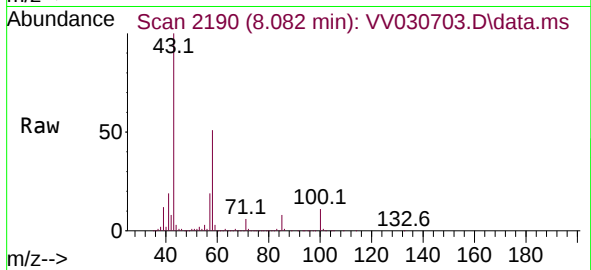


#48
2-Hexanone
Concen: 111.491 ug/L
RT: 8.082 min Scan# 2190
Delta R.T. 0.000 min
Lab File: VV030703.D
Acq: 20 Apr 2023 09:36

Instrument :
MSVOA_V
ClientSampleId :
VSTD050296

Tgt Ion: 43 Resp: 228913

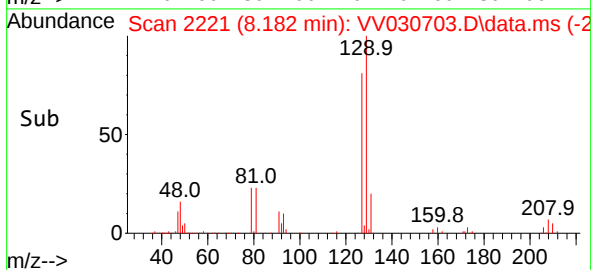
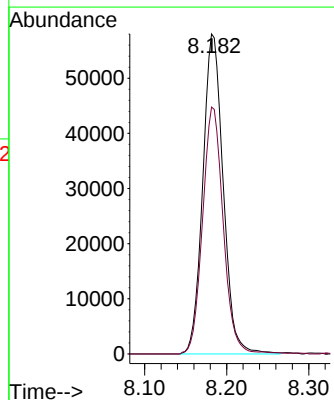
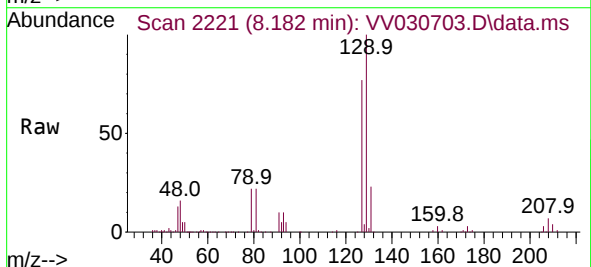
Ion	Ratio	Lower	Upper
43	100		
58	49.8	41.4	62.0
57	17.6	14.9	22.3
100	11.5	9.0	13.6

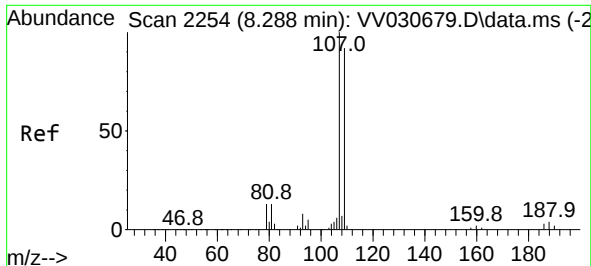


#49
Dibromochloromethane
Concen: 50.856 ug/L
RT: 8.182 min Scan# 2221
Delta R.T. -0.003 min
Lab File: VV030703.D
Acq: 20 Apr 2023 09:36

Tgt Ion: 129 Resp: 100201

Ion	Ratio	Lower	Upper
129	100		
127	77.2	52.8	98.2





#50

1,2-Dibromoethane

Concen: 48.794 ug/L

RT: 8.288 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV030703.D

Acq: 20 Apr 2023 09:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD050296

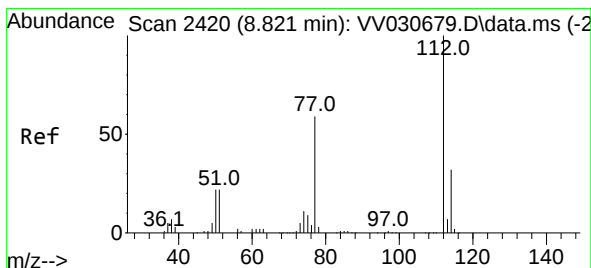
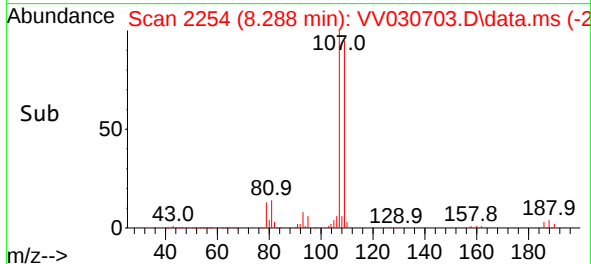
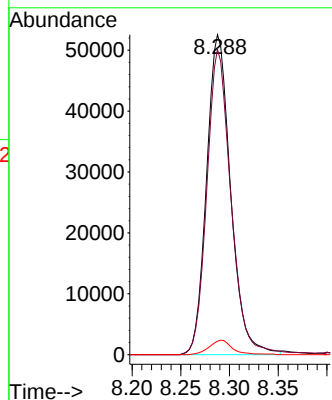
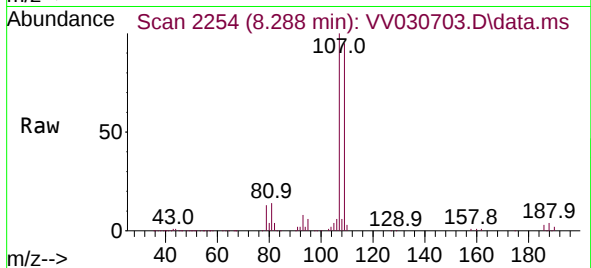
Tgt Ion:107 Resp: 90309

Ion Ratio Lower Upper

107 100

109 95.4 65.7 121.9

188 4.2 3.2 4.8



#51

Chlorobenzene

Concen: 51.723 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. 0.000 min

Lab File: VV030703.D

Acq: 20 Apr 2023 09:36

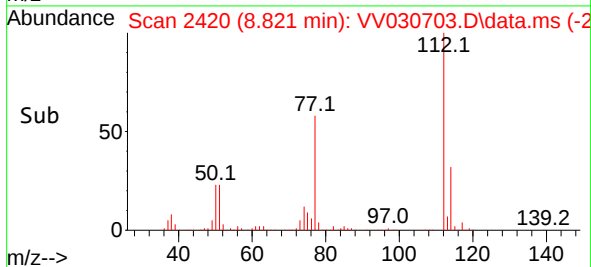
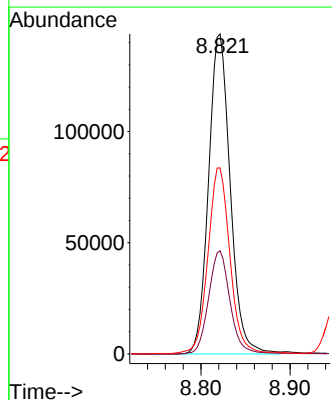
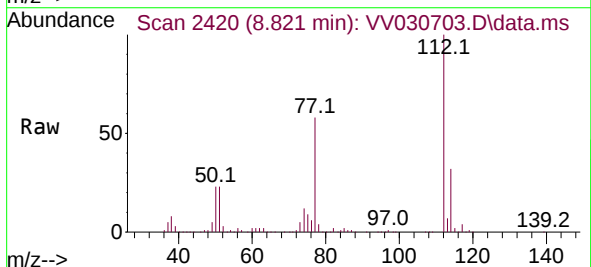
Tgt Ion:112 Resp: 242832

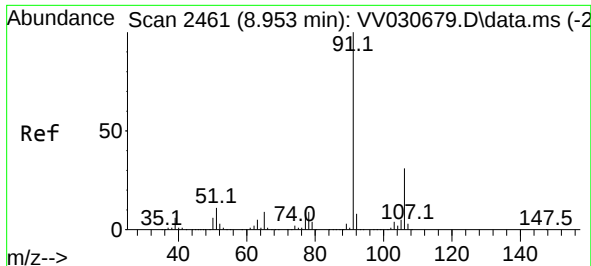
Ion Ratio Lower Upper

112 100

114 32.3 22.4 41.6

77 58.1 47.4 71.0





#52

Ethylbenzene

Concen: 53.011 ug/L

RT: 8.953 min Scan# 2461

Delta R.T. 0.000 min

Lab File: VV030703.D

Acq: 20 Apr 2023 09:36

Instrument :

MSVOA_V

ClientSampleId :

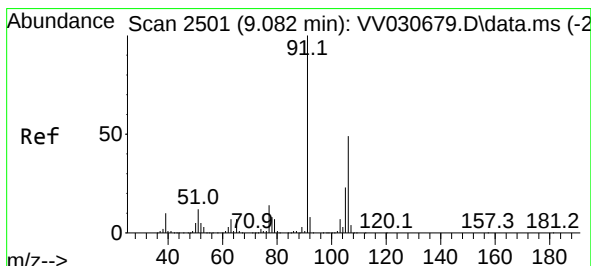
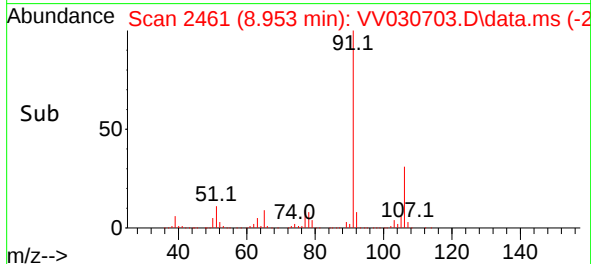
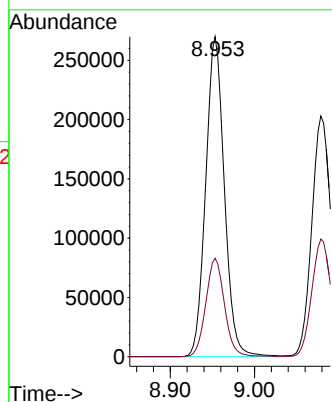
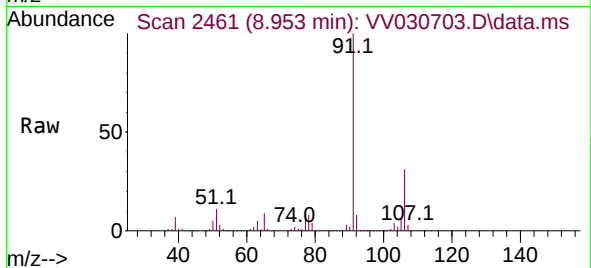
VSTD050296

Tgt Ion: 91 Resp: 416024

Ion Ratio Lower Upper

91 100

106 30.8 21.8 40.4



#53

m,p-Xylene

Concen: 54.358 ug/L

RT: 9.079 min Scan# 2500

Delta R.T. -0.003 min

Lab File: VV030703.D

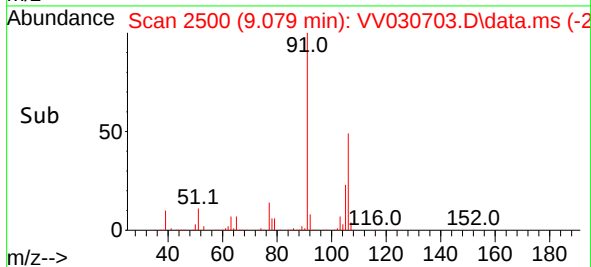
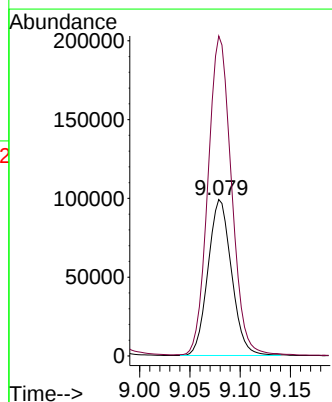
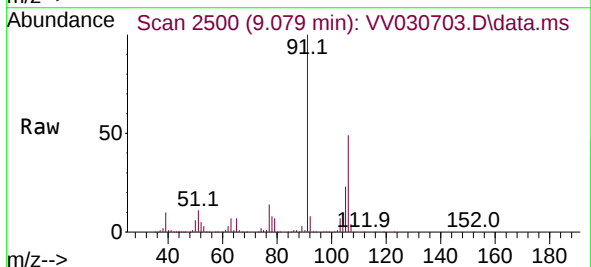
Acq: 20 Apr 2023 09:36

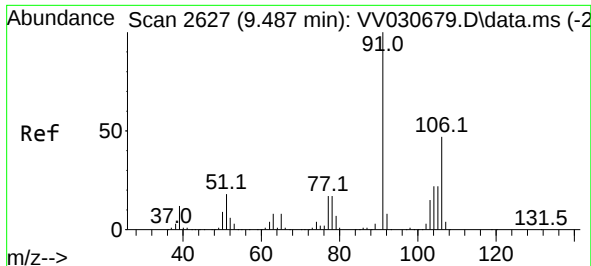
Tgt Ion: 106 Resp: 161133

Ion Ratio Lower Upper

106 100

91 204.5 144.7 268.7

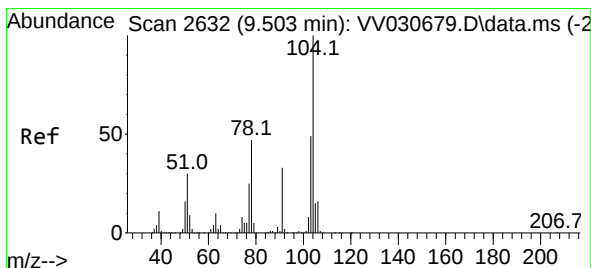
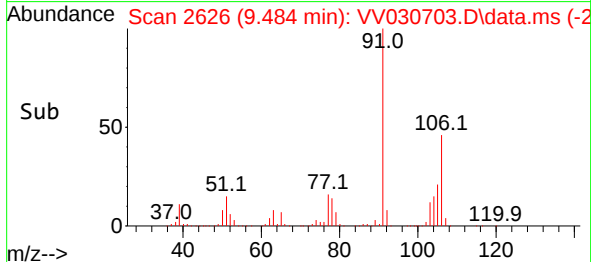
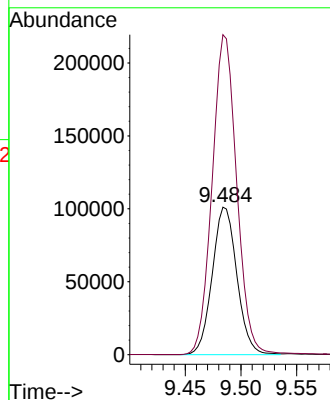
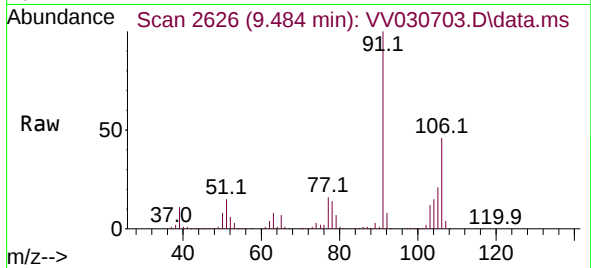




#54
o-Xylene
Concen: 53.729 ug/L
RT: 9.484 min Scan# 2627
Delta R.T. -0.003 min
Lab File: VV030703.D
Acq: 20 Apr 2023 09:36

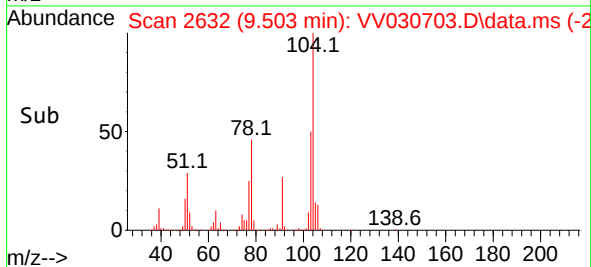
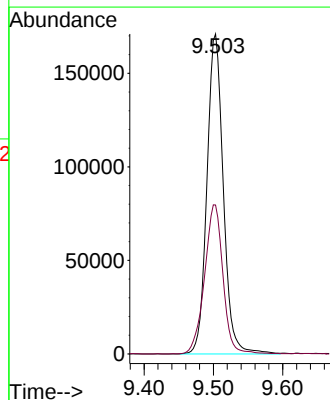
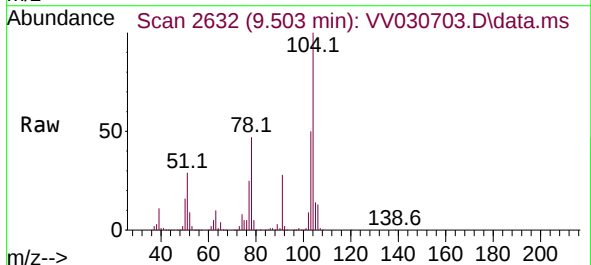
Instrument :
MSVOA_V
ClientSampleId :
VSTD050296

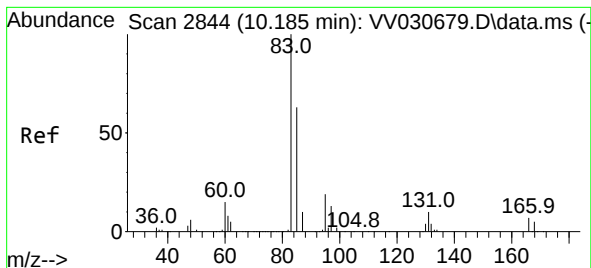
Tgt Ion:106 Resp: 155811
Ion Ratio Lower Upper
106 100
91 216.8 152.6 283.4



#55
Styrene
Concen: 54.998 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. 0.000 min
Lab File: VV030703.D
Acq: 20 Apr 2023 09:36

Tgt Ion:104 Resp: 280160
Ion Ratio Lower Upper
104 100
78 46.5 32.3 59.9

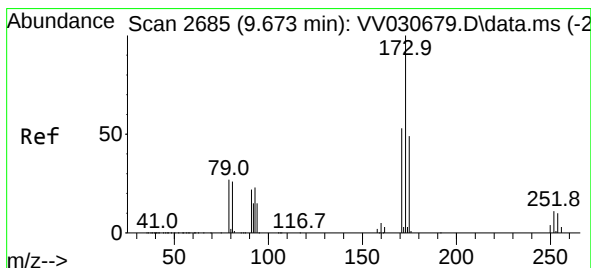
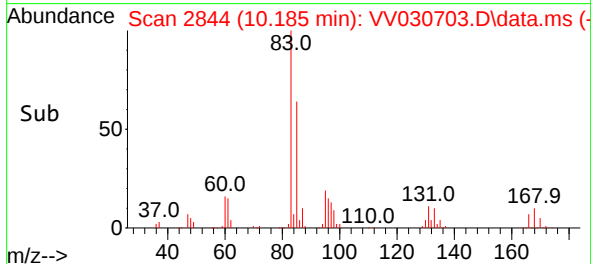
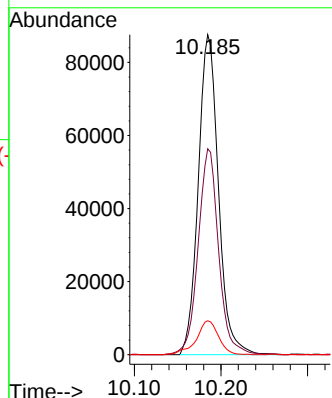
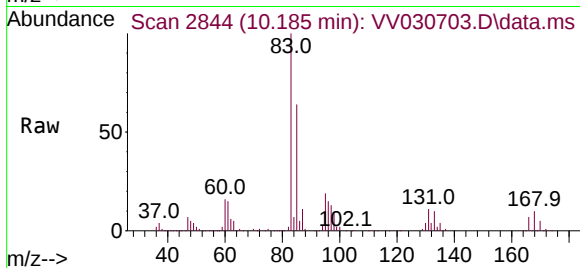




#57
1,1,2,2-Tetrachloroethane
Concen: 48.372 ug/L
RT: 10.185 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VV030703.D
Acq: 20 Apr 2023 09:36

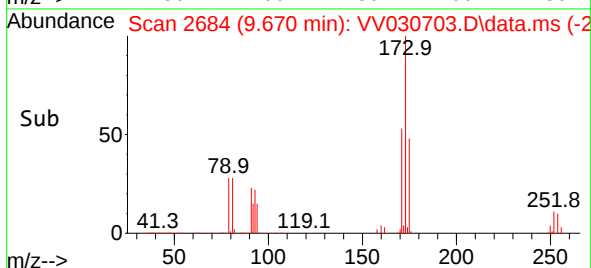
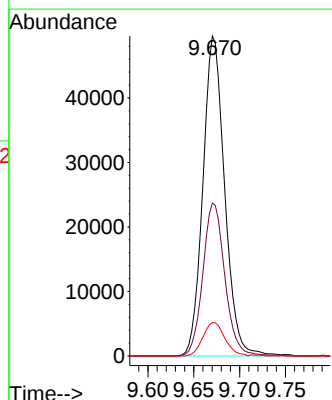
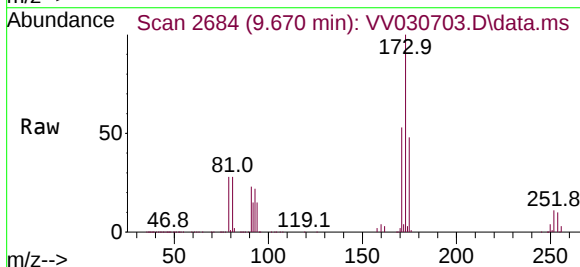
Instrument :
MSVOA_V
ClientSampleId :
VSTD050296

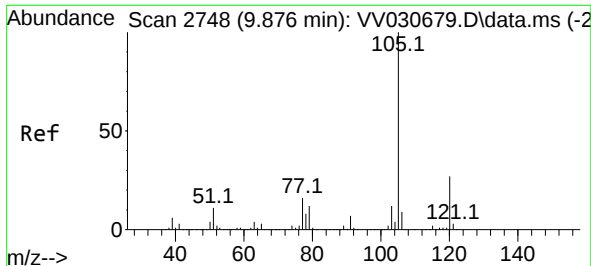
Tgt Ion: 83 Resp: 141862
Ion Ratio Lower Upper
83 100
85 64.4 45.1 83.7
131 10.6 8.0 12.0



#59
Bromoform
Concen: 50.290 ug/L
RT: 9.670 min Scan# 2684
Delta R.T. -0.003 min
Lab File: VV030703.D
Acq: 20 Apr 2023 09:36

Tgt Ion: 173 Resp: 81846
Ion Ratio Lower Upper
173 100
175 48.3 38.8 58.2
254 10.5 8.2 12.4

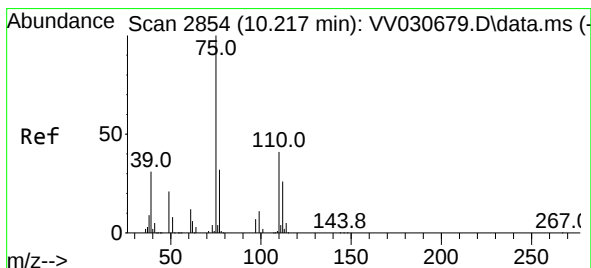
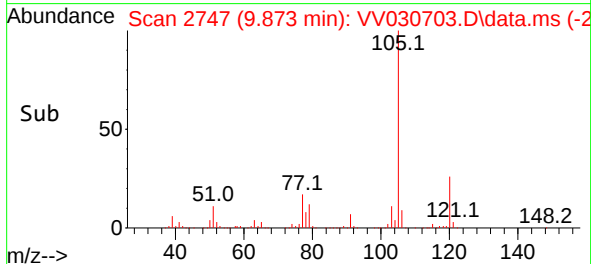
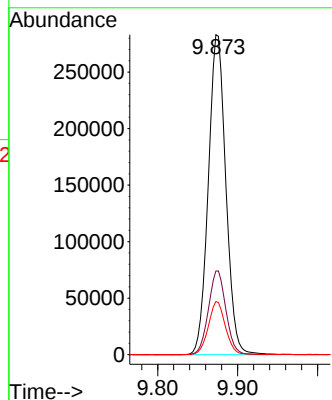
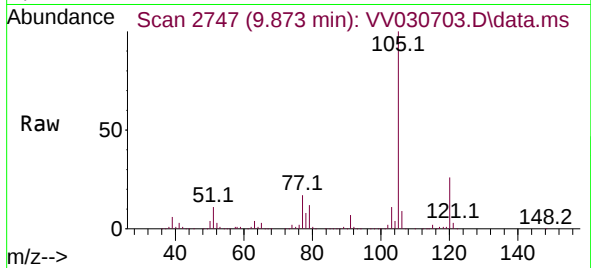




#60
Isopropylbenzene
Concen: 53.264 ug/L
RT: 9.873 min Scan# 21
Delta R.T. -0.003 min
Lab File: VV030703.D
Acq: 20 Apr 2023 09:36

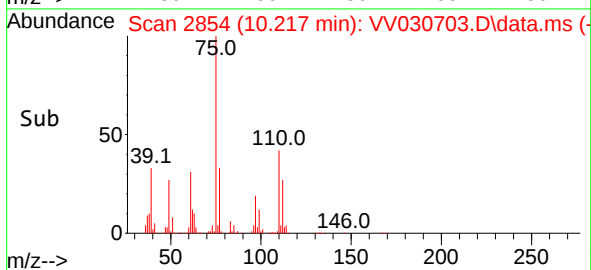
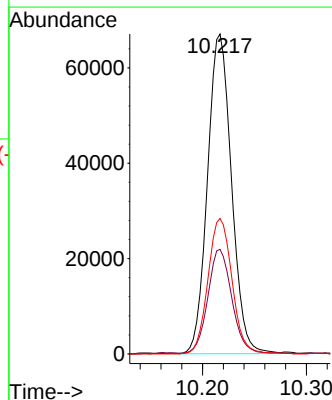
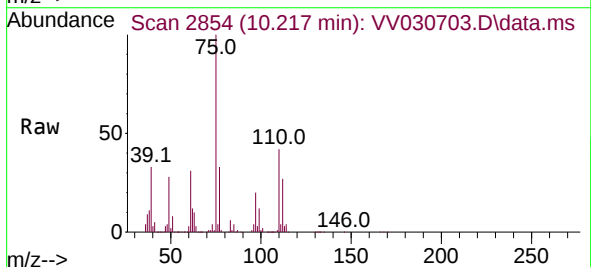
Instrument :
MSVOA_V
ClientSampleId :
VSTD050296

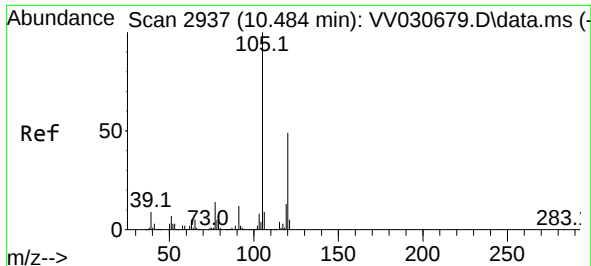
Tgt Ion:105 Resp: 431810
Ion Ratio Lower Upper
105 100
120 26.1 20.9 31.3
77 16.3 13.0 19.6



#61
1,2,3-Trichloropropane
Concen: 46.211 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. 0.000 min
Lab File: VV030703.D
Acq: 20 Apr 2023 09:36

Tgt Ion: 75 Resp: 107588
Ion Ratio Lower Upper
75 100
77 32.2 25.7 38.5
110 42.6 32.8 49.2

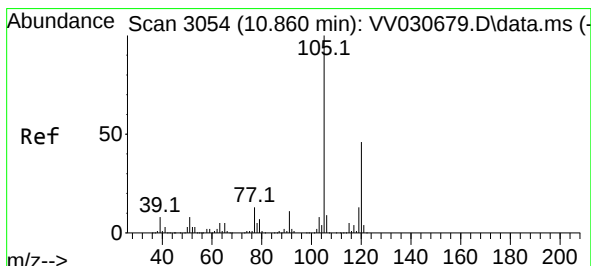
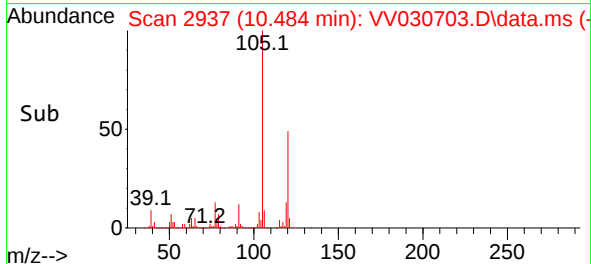
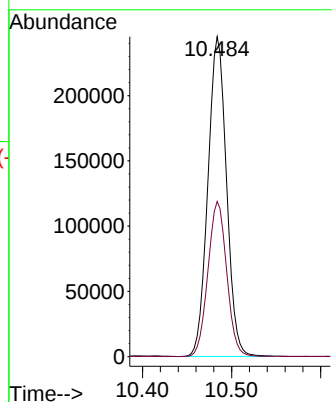
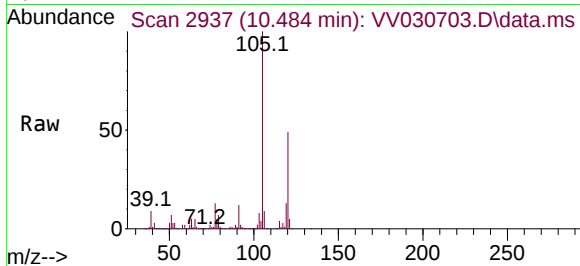




#62
 1,3,5-Trimethylbenzene
 Concen: 53.195 ug/L
 RT: 10.484 min Scan# 2937
 Delta R.T. 0.000 min
 Lab File: VV030703.D
 Acq: 20 Apr 2023 09:36

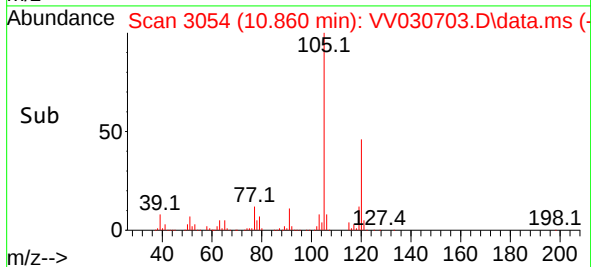
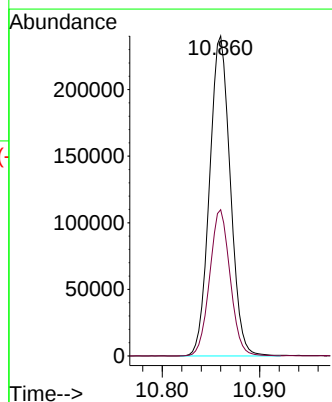
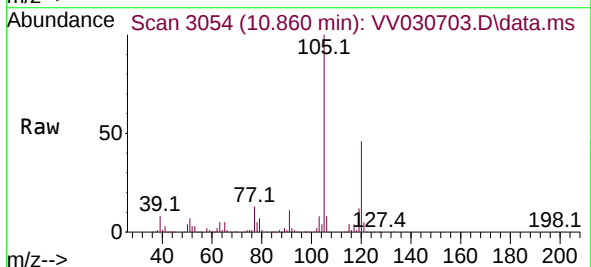
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050296

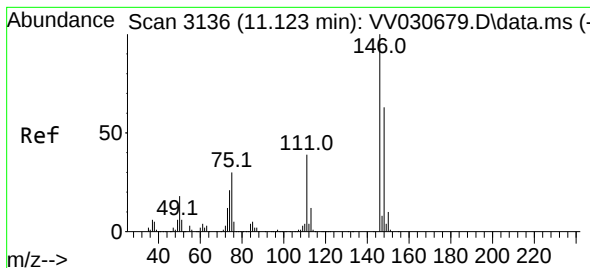
Tgt Ion:105 Resp: 355069
 Ion Ratio Lower Upper
 105 100
 120 48.9 39.2 58.8



#63
 1,2,4-Trimethylbenzene
 Concen: 53.270 ug/L
 RT: 10.860 min Scan# 3054
 Delta R.T. 0.000 min
 Lab File: VV030703.D
 Acq: 20 Apr 2023 09:36

Tgt Ion:105 Resp: 355019
 Ion Ratio Lower Upper
 105 100
 120 45.2 36.2 54.4





#64

1,3-Dichlorobenzene

Concen: 52.553 ug/L

RT: 11.124 min Scan# 3136

Delta R.T. 0.000 min

Lab File: VV030703.D

Acq: 20 Apr 2023 09:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD050296

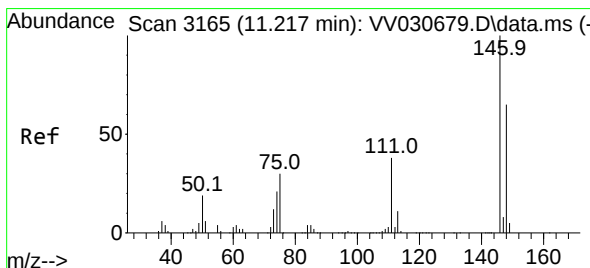
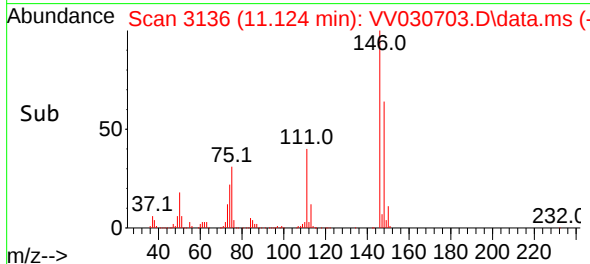
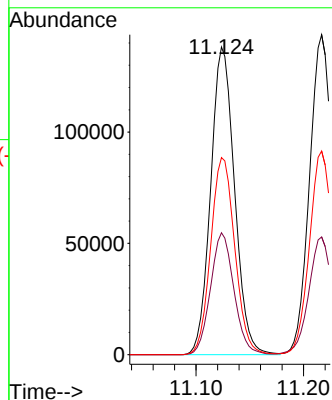
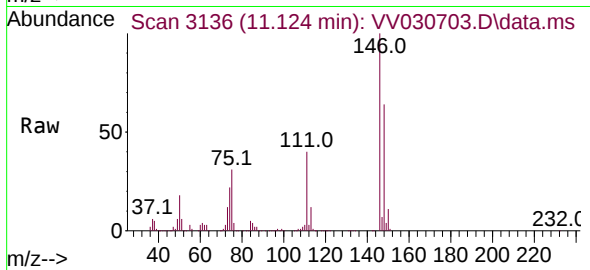
Tgt Ion:146 Resp: 213302

Ion Ratio Lower Upper

146 100

111 39.6 27.0 50.2

148 64.1 44.8 83.2



#65

1,4-Dichlorobenzene

Concen: 51.769 ug/L

RT: 11.217 min Scan# 3165

Delta R.T. 0.000 min

Lab File: VV030703.D

Acq: 20 Apr 2023 09:36

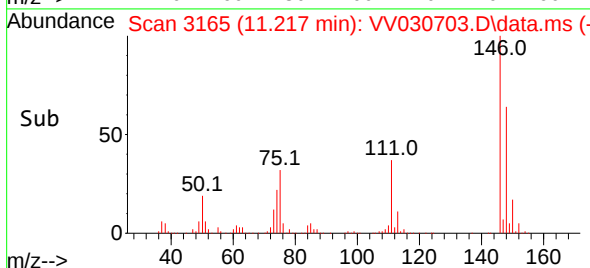
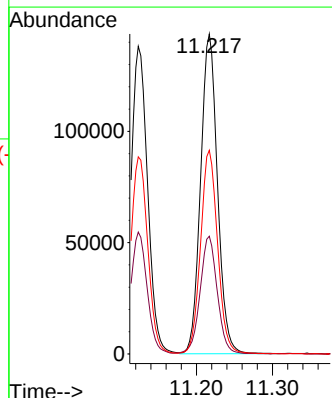
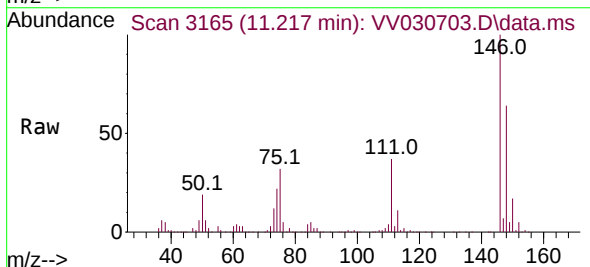
Tgt Ion:146 Resp: 221571

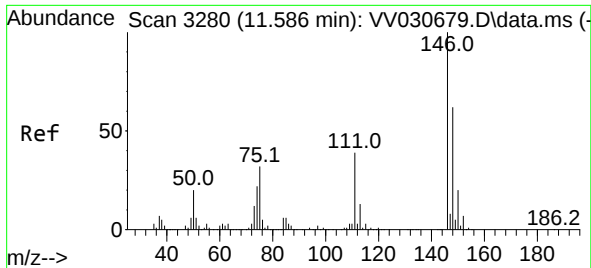
Ion Ratio Lower Upper

146 100

111 36.8 26.5 49.1

148 63.7 44.7 83.1

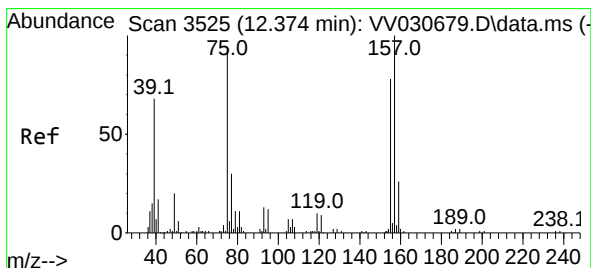
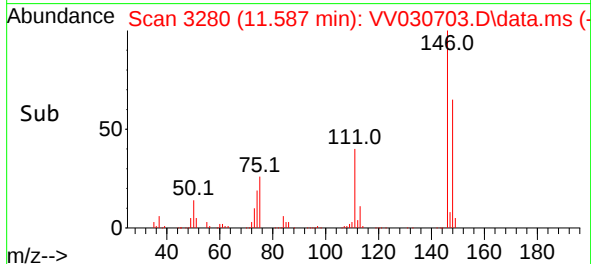
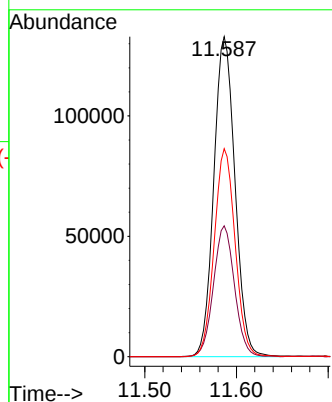
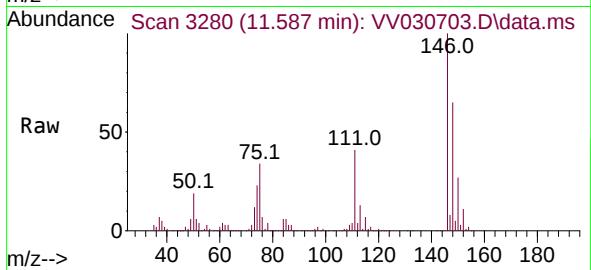




#67
1,2-Dichlorobenzene
Concen: 52.120 ug/L
RT: 11.587 min Scan# 311
Delta R.T. 0.000 min
Lab File: VV030703.D
Acq: 20 Apr 2023 09:36

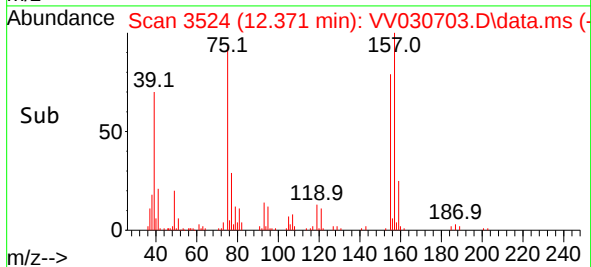
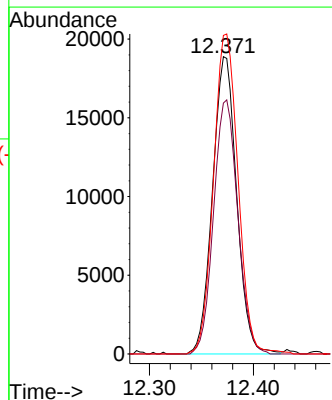
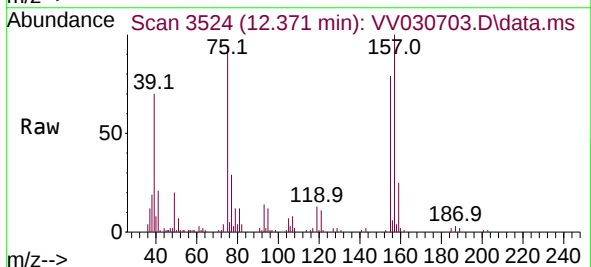
Instrument :
MSVOA_V
ClientSampleId :
VSTD050296

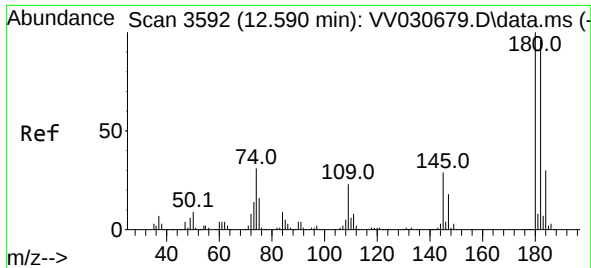
Tgt Ion:146 Resp: 213411
Ion Ratio Lower Upper
146 100
111 40.9 32.0 48.0
148 65.0 50.6 76.0



#68
1,2-Dibromo-3-chloropropane
Concen: 44.152 ug/L
RT: 12.371 min Scan# 3524
Delta R.T. -0.003 min
Lab File: VV030703.D
Acq: 20 Apr 2023 09:36

Tgt Ion: 75 Resp: 30455
Ion Ratio Lower Upper
75 100
155 84.4 65.0 97.6
157 107.1 84.4 126.6





#69

1,3,5-Trichlorobenzene

Concen: 53.975 ug/L

RT: 12.590 min Scan# 3592

Delta R.T. 0.000 min

Lab File: VV030703.D

Acq: 20 Apr 2023 09:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD050296

Tgt Ion:180 Resp: 165489

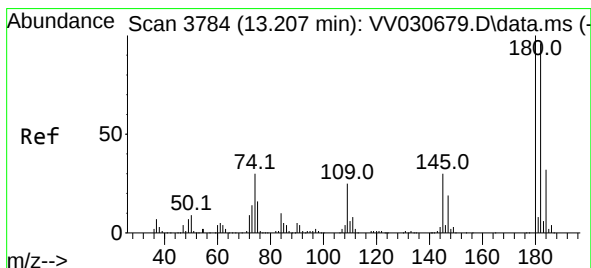
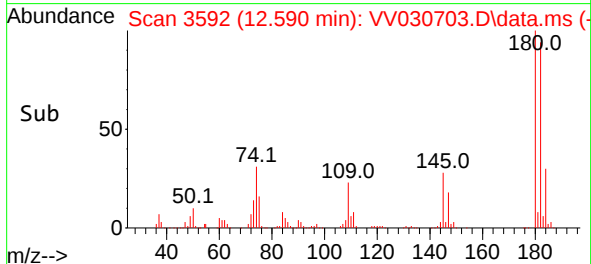
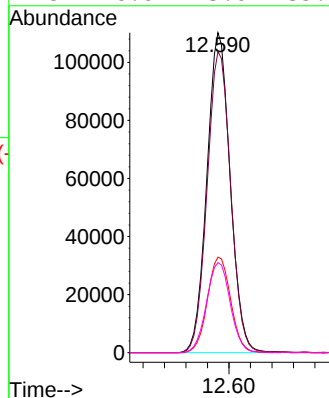
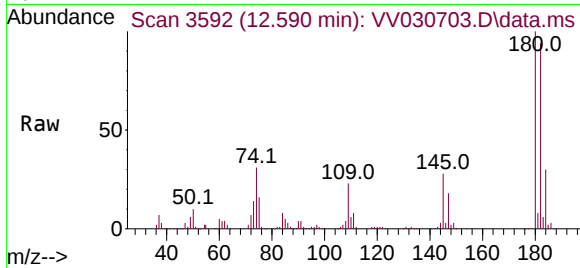
Ion Ratio Lower Upper

180 100

182 95.1 76.4 114.6

184 29.8 24.1 36.1

145 28.8 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 52.478 ug/L

RT: 13.207 min Scan# 3784

Delta R.T. 0.000 min

Lab File: VV030703.D

Acq: 20 Apr 2023 09:36

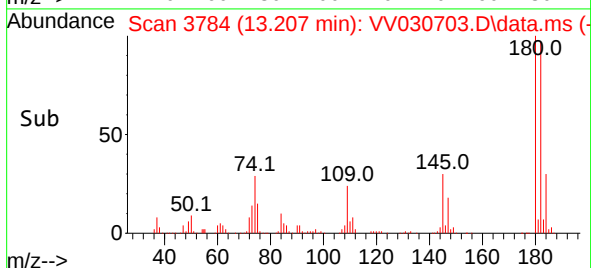
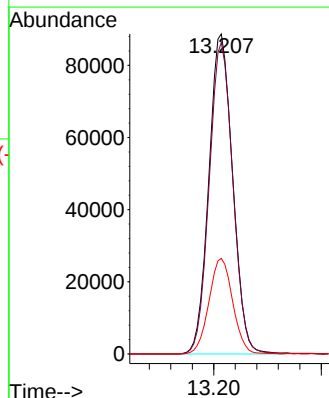
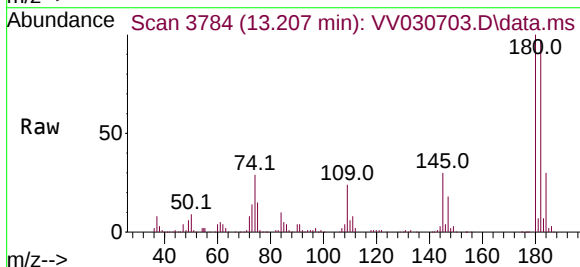
Tgt Ion:180 Resp: 136613

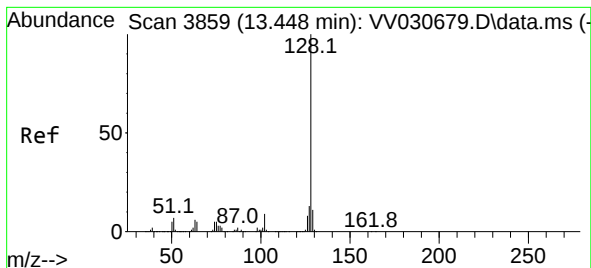
Ion Ratio Lower Upper

180 100

182 96.5 75.9 113.9

145 29.7 23.4 35.2





#71

Naphthalene

Concen: 49.286 ug/L

RT: 13.448 min Scan# 3859

Delta R.T. 0.000 min

Lab File: VV030703.D

Acq: 20 Apr 2023 09:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD050296

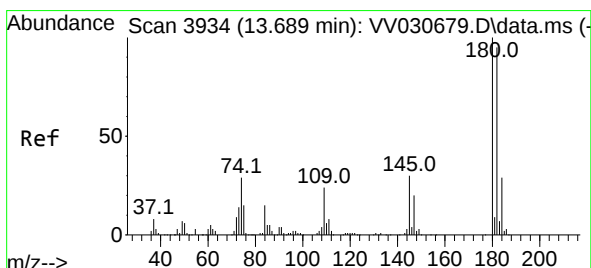
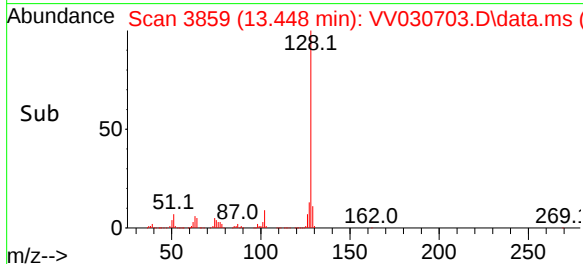
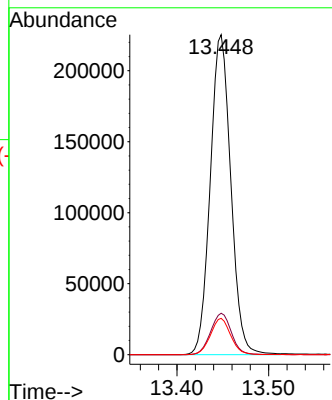
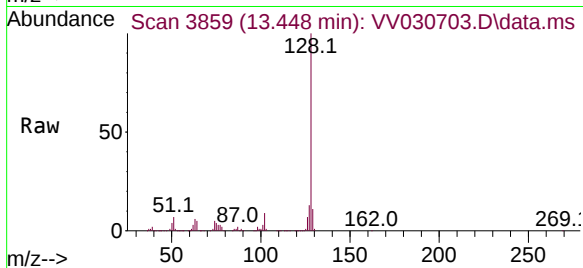
Tgt Ion:128 Resp: 350979

Ion Ratio Lower Upper

128 100

127 13.1 10.7 16.1

129 11.2 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 53.348 ug/L

RT: 13.689 min Scan# 3934

Delta R.T. 0.000 min

Lab File: VV030703.D

Acq: 20 Apr 2023 09:36

Tgt Ion:180 Resp: 137712

Ion Ratio Lower Upper

180 100

182 95.4 76.2 114.4

145 30.6 25.1 37.7

