

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW031022\
 Data File : VW024903.D
 Acq On : 10 Mar 2022 10:07
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050284

Quant Time: Mar 11 02:43:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM022822WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 10 05:49:38 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	292006	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	290713	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	150455	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	132483	44.620	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	89.240%		
7) Chloroethane-d5	1.568	69	99745	42.818	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	85.640%		
11) 1,1-Dichloroethene-d2	2.108	63	222078	44.563	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	89.120%		
21) 2-Butanone-d5	3.886	46	147043	87.021	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	87.020%		
24) Chloroform-d	4.343	84	218794	42.213	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	84.420%		
26) 1,2-Dichloroethane-d4	5.027	65	125529	41.047	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	82.100%		
32) Benzene-d6	5.043	84	450171	41.778	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	83.560%		
36) 1,2-Dichloropropane-d6	6.066	67	136836	40.759	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	81.520%		
41) Toluene-d8	7.310	98	407394	42.676	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	85.360%		
43) trans-1,3-Dichloroprop...	7.619	79	63037	43.213	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	86.420%		
47) 2-Hexanone-d5	8.085	63	100703	79.026	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	79.030%		
56) 1,1,2,2-Tetrachloroeth...	10.214	84	157854	39.642	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	79.280%		
66) 1,2-Dichlorobenzene-d4	11.622	152	142415	41.092	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	82.180%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.130	85	138485	50.231	ug/L	99
3) Chloromethane	1.240	50	135680	47.570	ug/L	99
5) Vinyl chloride	1.311	62	144846	49.495	ug/L	99
6) Bromomethane	1.523	94	85749	49.050	ug/L	97
8) Chloroethane	1.584	64	88531	51.620	ug/L	100
9) Trichlorofluoromethane	1.751	101	194793	52.049	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	116035	52.282	ug/L	99
12) 1,1-Dichloroethene	2.118	96	107435	49.706	ug/L	88
13) Acetone	2.182	43	162930	126.273	ug/L	97
14) Carbon disulfide	2.291	76	329618	49.919	ug/L	100
15) Methyl Acetate	2.433	43	121346	54.746	ug/L	100
16) Methylene chloride	2.503	84	130455	51.536	ug/L	98
17) trans-1,2-Dichloroethene	2.757	96	121129	51.818	ug/L	98
18) Methyl tert-butyl Ether	2.767	73	369387	51.827	ug/L	100
19) 1,1-Dichloroethane	3.185	63	218642	51.876	ug/L	99
20) cis-1,2-Dichloroethene	3.905	96	130565	51.600	ug/L	100
22) 2-Butanone	3.970	43	189274	127.928	ug/L	100
23) Bromochloromethane	4.243	128	65541	51.792	ug/L	98
25) Chloroform	4.371	83	225247	51.447	ug/L	99

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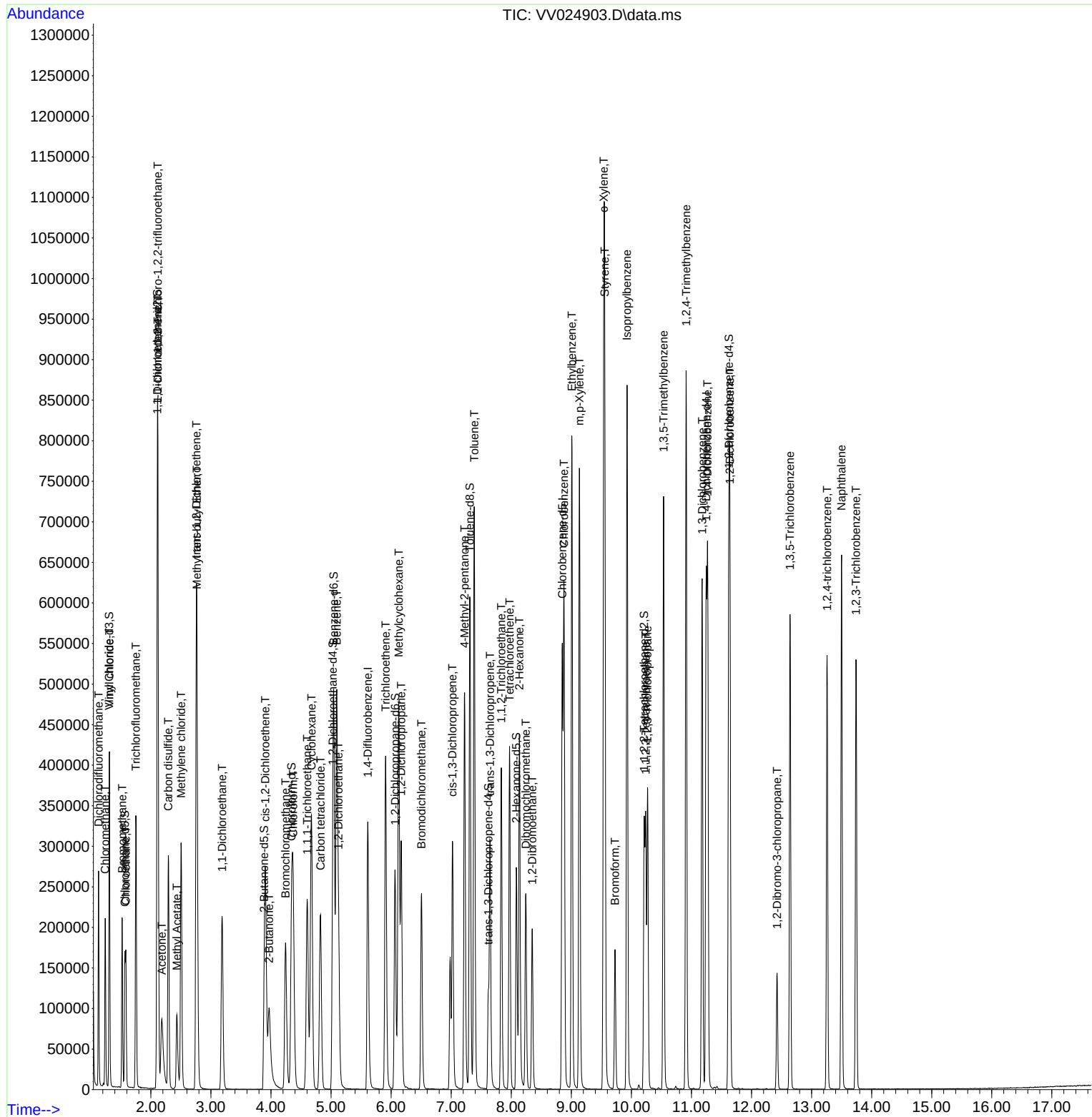
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.124	62	159350	52.156	ug/L	98
29) Cyclohexane	4.674	56	191337	50.316	ug/L	98
30) 1,1,1-Trichloroethane	4.603	97	193481	50.543	ug/L	99
31) Carbon tetrachloride	4.825	117	164696	50.601	ug/L	98
33) Benzene	5.095	78	502239	51.190	ug/L	100
34) Trichloroethene	5.908	95	142455	52.965	ug/L	99
35) Methylcyclohexane	6.127	83	212155	51.991	ug/L	99
37) 1,2-Dichloropropane	6.169	63	127598	51.828	ug/L	100
38) Bromodichloromethane	6.506	83	165924	51.430	ug/L	99
39) cis-1,3-Dichloropropene	7.021	75	190130	51.311	ug/L	100
40) 4-Methyl-2-pentanone	7.223	43	313235	106.714	ug/L	99
42) Toluene	7.384	91	536021	52.357	ug/L	100
44) trans-1,3-Dichloropropene	7.648	75	182631	53.649	ug/L	100
45) 1,1,2-Trichloroethane	7.834	97	123918	51.803	ug/L	99
46) Tetrachloroethene	7.973	164	90244	51.954	ug/L	97
48) 2-Hexanone	8.137	43	257910	111.644	ug/L	98
49) Dibromochloromethane	8.243	129	124672	53.932	ug/L	97
50) 1,2-Dibromoethane	8.349	107	129505	52.496	ug/L	99
51) Chlorobenzene	8.879	112	333669	51.664	ug/L	100
52) Ethylbenzene	9.008	91	572454	53.015	ug/L	100
53) m,p-Xylene	9.137	106	219464	52.894	ug/L	100
54) o-Xylene	9.542	106	215910	53.855	ug/L	99
55) Styrene	9.558	104	372757	54.798	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.239	83	166027	49.621	ug/L	99
59) Bromoform	9.728	173	73268	53.458	ug/L	99
60) Isopropylbenzene	9.928	105	570624	52.224	ug/L	100
61) 1,2,3-Trichloropropane	10.268	75	149667	49.715	ug/L	98
62) 1,3,5-Trimethylbenzene	10.535	105	388186	52.656	ug/L	100
63) 1,2,4-Trimethylbenzene	10.911	105	480101	53.133	ug/L	100
64) 1,3-Dichlorobenzene	11.178	146	249957	52.132	ug/L	99
65) 1,4-Dichlorobenzene	11.268	146	252808	51.502	ug/L	99
67) 1,2-Dichlorobenzene	11.641	146	245861	50.951	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.426	75	35656	51.882	ug/L	92
69) 1,3,5-Trichlorobenzene	12.641	180	168069	51.929	ug/L	99
70) 1,2,4-trichlorobenzene	13.259	180	147226	52.209	ug/L	99
71) Naphthalene	13.500	128	499311	54.650	ug/L	100
72) 1,2,3-Trichlorobenzene	13.741	180	150315	54.057	ug/L	99

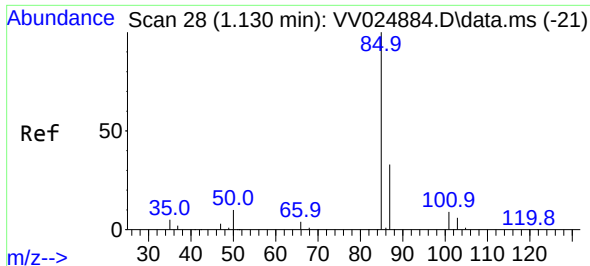
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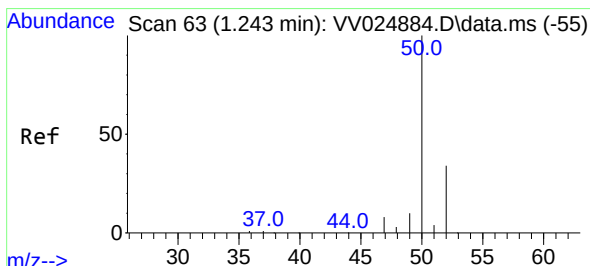
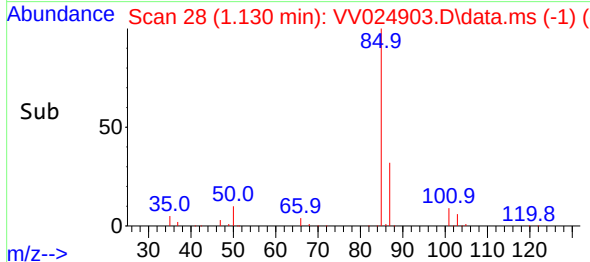
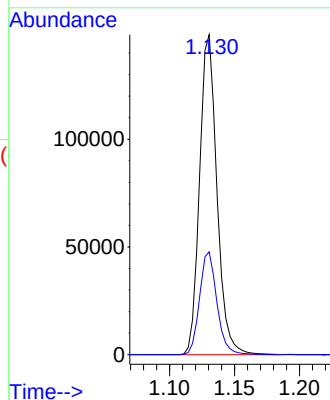
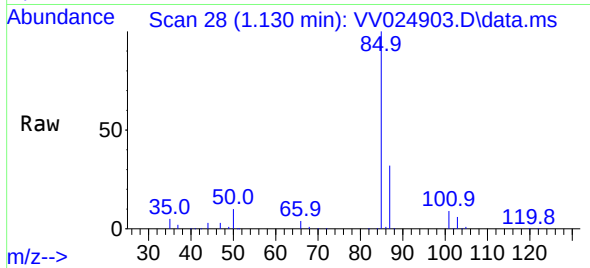




#2
 Dichlorodifluoromethane
 Concen: 50.231 ug/L
 RT: 1.130 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV024903.D
 Acq: 10 Mar 2022 10:07

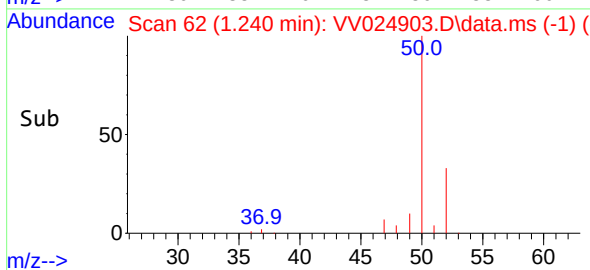
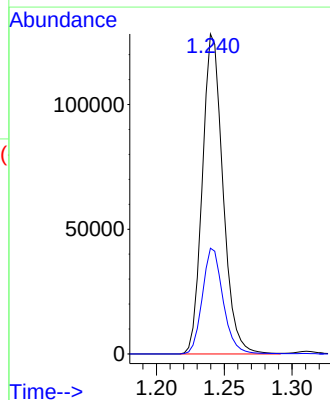
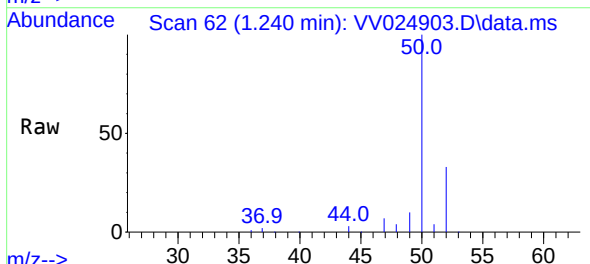
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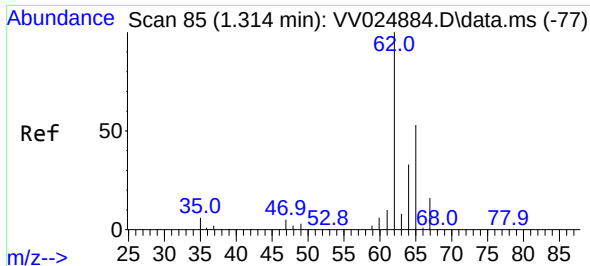
Tgt Ion: 85 Resp: 138485
 Ion Ratio Lower Upper
 85 100
 87 32.0 25.8 38.8



#3
 Chloromethane
 Concen: 47.570 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. -0.003 min
 Lab File: VV024903.D
 Acq: 10 Mar 2022 10:07

Tgt Ion: 50 Resp: 135680
 Ion Ratio Lower Upper
 50 100
 52 33.1 22.8 42.4

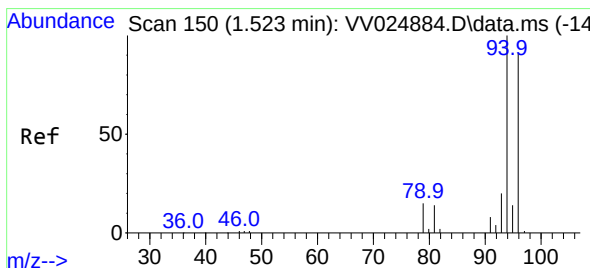
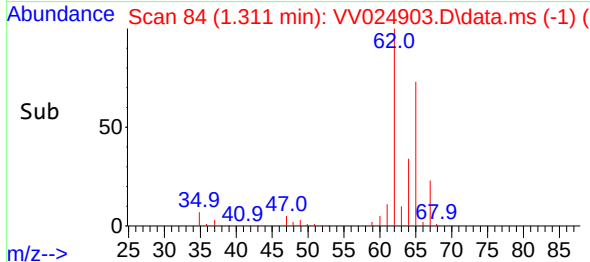
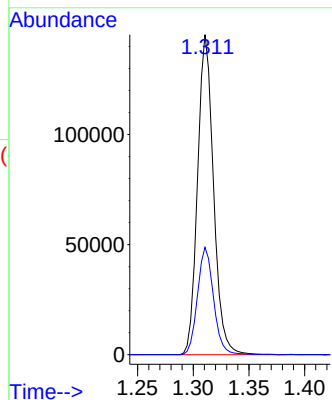
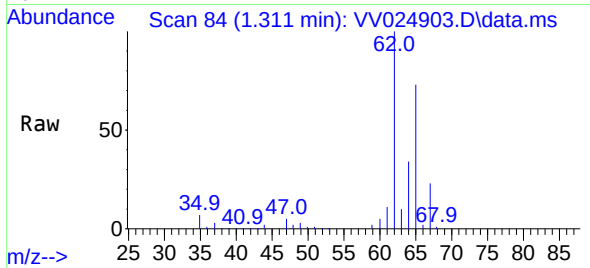




#5
 Vinyl chloride
 Concen: 49.495 ug/L
 RT: 1.311 min Scan# 84
 Delta R.T. -0.003 min
 Lab File: VV024903.D
 Acq: 10 Mar 2022 10:07

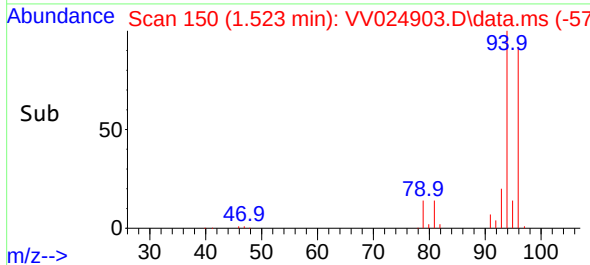
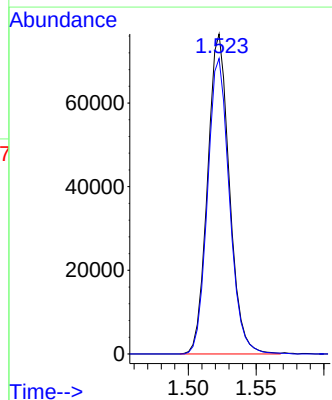
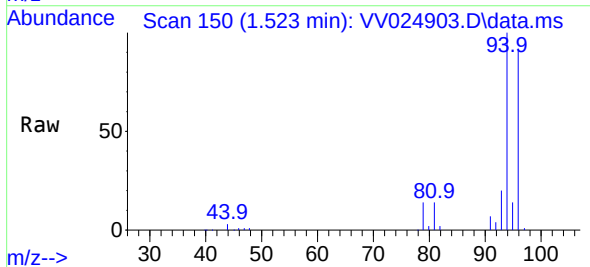
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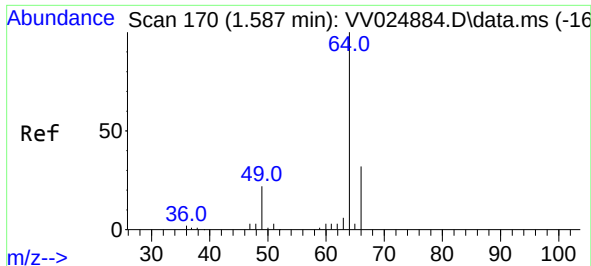
Tgt Ion: 62 Resp: 144846
 Ion Ratio Lower Upper
 62 100
 64 33.5 23.2 43.0



#6
 Bromomethane
 Concen: 49.050 ug/L
 RT: 1.523 min Scan# 150
 Delta R.T. 0.000 min
 Lab File: VV024903.D
 Acq: 10 Mar 2022 10:07

Tgt Ion: 94 Resp: 85749
 Ion Ratio Lower Upper
 94 100
 96 92.3 66.7 123.9

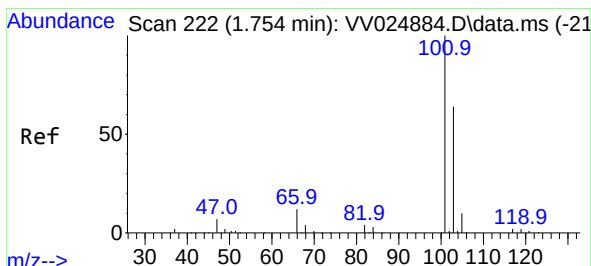
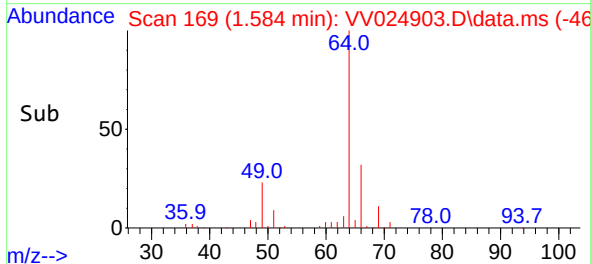
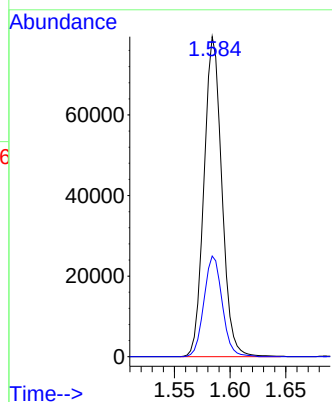
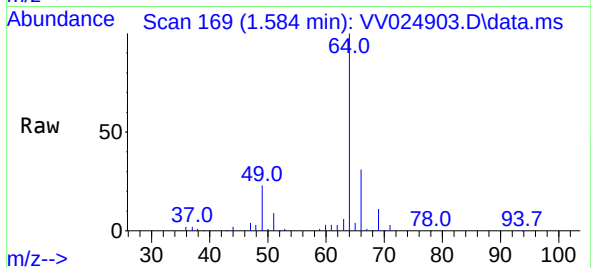




#8
Chloroethane
Concen: 51.620 ug/L
RT: 1.584 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV024903.D
Acq: 10 Mar 2022 10:07

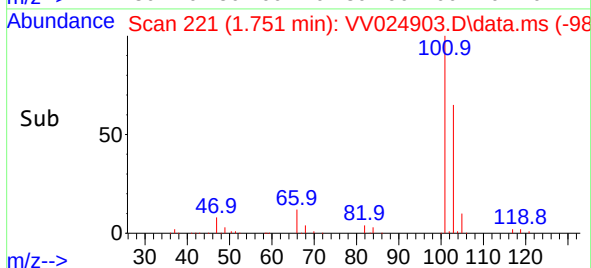
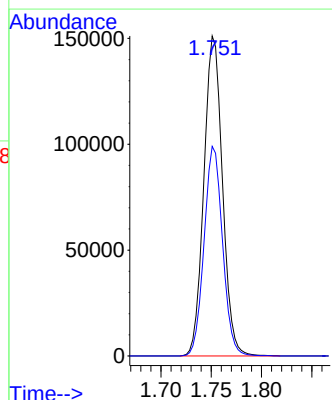
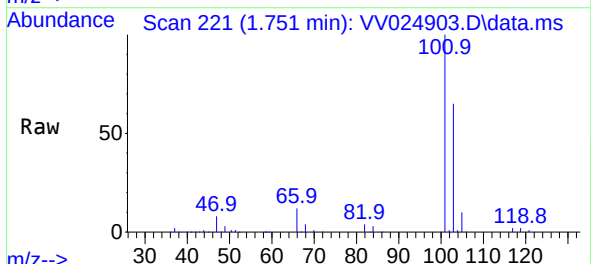
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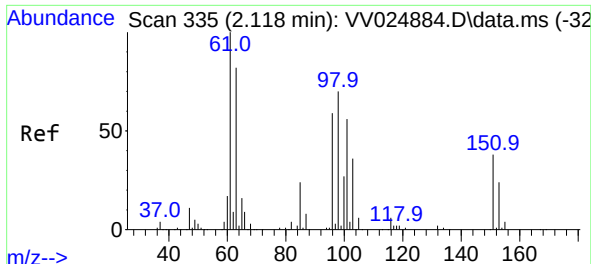
Tgt Ion: 64 Resp: 88531
Ion Ratio Lower Upper
64 100
66 31.5 22.2 41.2



#9
Trichlorofluoromethane
Concen: 52.049 ug/L
RT: 1.751 min Scan# 221
Delta R.T. -0.003 min
Lab File: VV024903.D
Acq: 10 Mar 2022 10:07

Tgt Ion:101 Resp: 194793
Ion Ratio Lower Upper
101 100
103 65.0 52.1 78.1

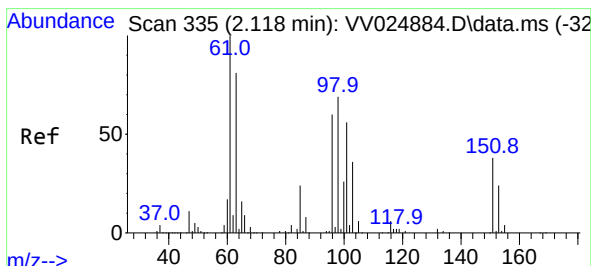
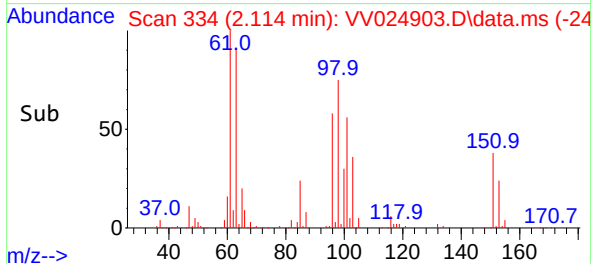
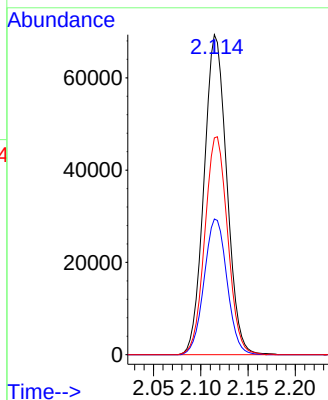
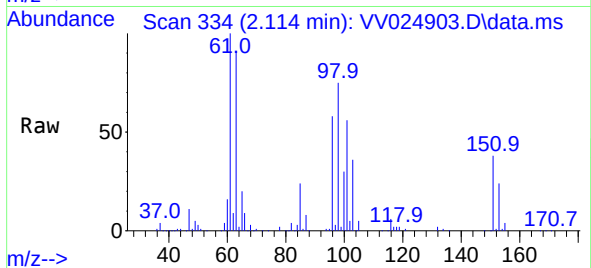




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 52.282 ug/L
RT: 2.114 min Scan# 311
Delta R.T. -0.003 min
Lab File: VV024903.D
Acq: 10 Mar 2022 10:07

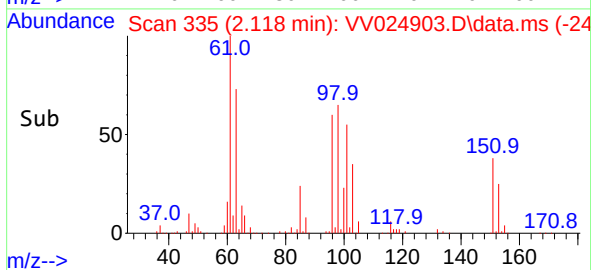
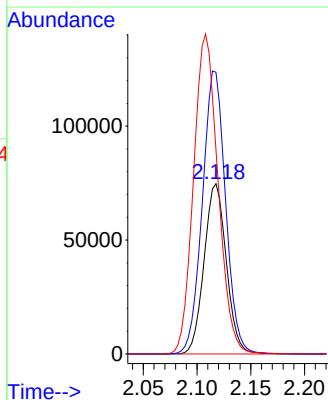
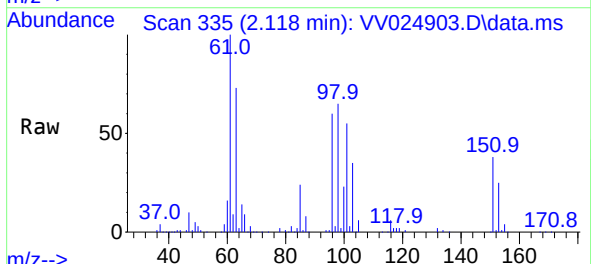
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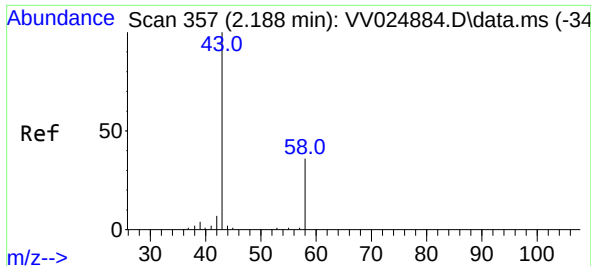
Tgt Ion:101 Resp: 116035
Ion Ratio Lower Upper
101 100
85 42.8 33.8 50.8
151 68.5 54.1 81.1



#12
1,1-Dichloroethene
Concen: 49.706 ug/L
RT: 2.118 min Scan# 335
Delta R.T. 0.000 min
Lab File: VV024903.D
Acq: 10 Mar 2022 10:07

Tgt Ion: 96 Resp: 107435
Ion Ratio Lower Upper
96 100
61 165.5 117.6 218.4
63 120.1 105.3 195.5

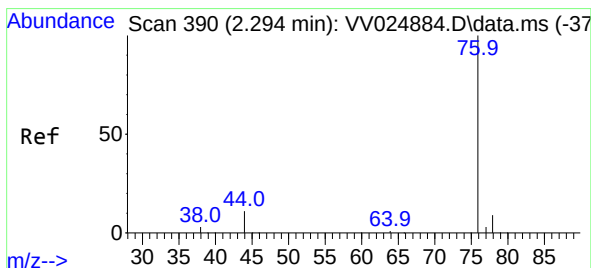
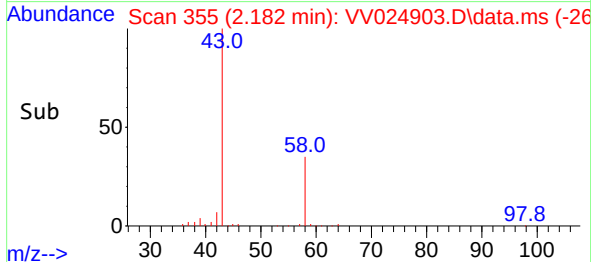
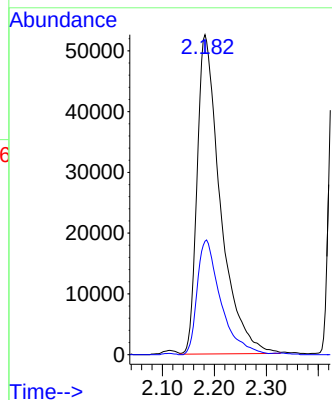
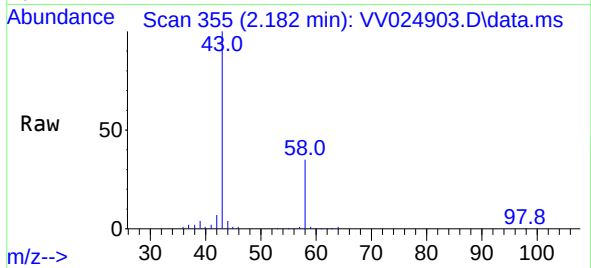




#13
Acetone
Concen: 126.273 ug/L
RT: 2.182 min Scan# 31
Delta R.T. -0.006 min
Lab File: VV024903.D
Acq: 10 Mar 2022 10:07

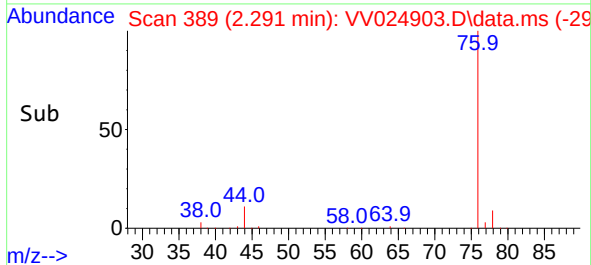
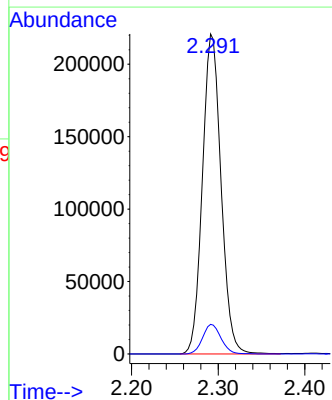
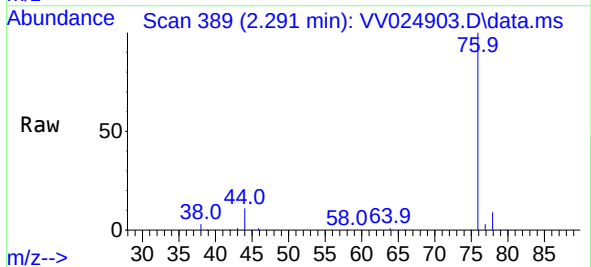
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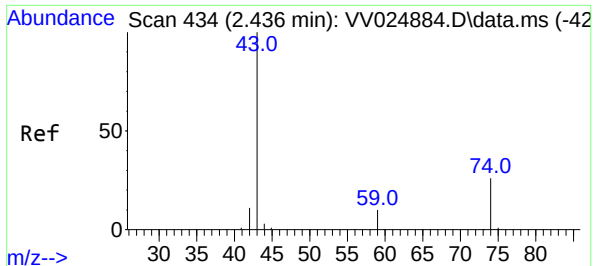
Tgt Ion: 43 Resp: 162930
Ion Ratio Lower Upper
43 100
58 36.5 0.0 70.0



#14
Carbon disulfide
Concen: 49.919 ug/L
RT: 2.291 min Scan# 389
Delta R.T. -0.003 min
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Tgt Ion: 76 Resp: 329618
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.0

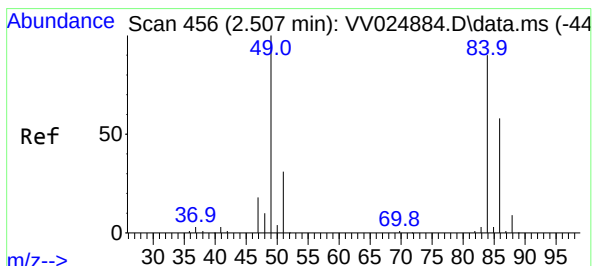
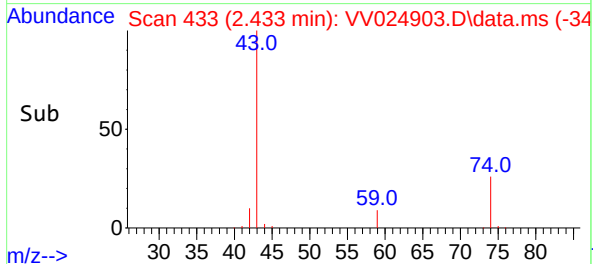
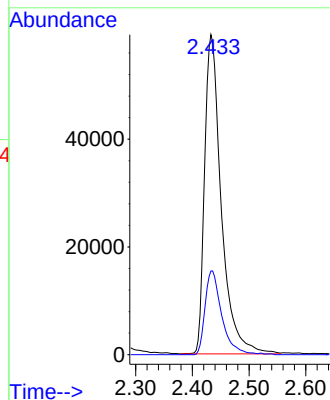
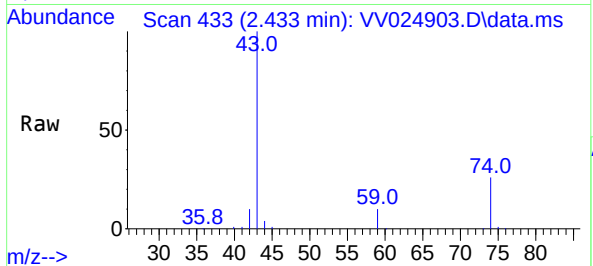




#15
Methyl Acetate
Concen: 54.746 ug/L
RT: 2.433 min Scan# 41
Delta R.T. -0.003 min
Lab File: VV024903.D
Acq: 10 Mar 2022 10:07

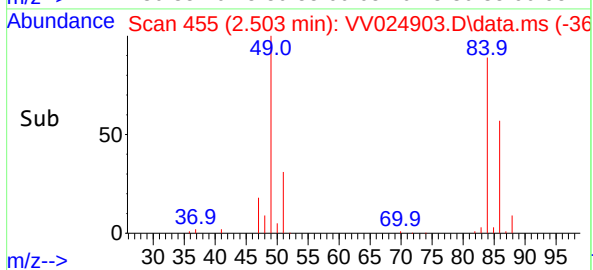
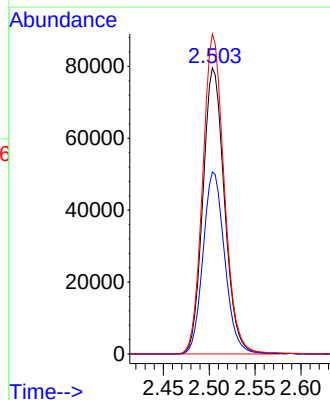
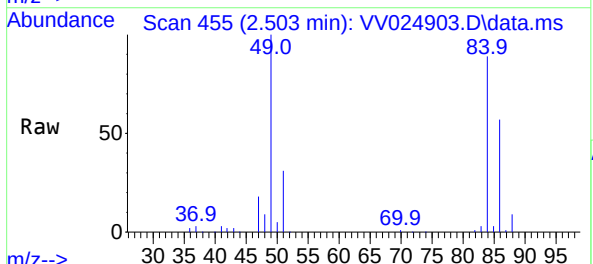
Instrument :
MSVOA_V
ClientSampleId :
VSTD050284

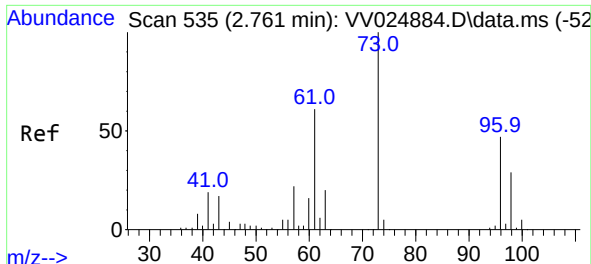
Tgt Ion: 43 Resp: 121346
Ion Ratio Lower Upper
43 100
74 26.2 21.0 31.4



#16
Methylene chloride
Concen: 51.536 ug/L
RT: 2.503 min Scan# 455
Delta R.T. -0.003 min
Lab File: VV024903.D
Acq: 10 Mar 2022 10:07

Tgt Ion: 84 Resp: 130455
Ion Ratio Lower Upper
84 100
86 63.6 44.3 82.3
49 111.9 80.7 149.9

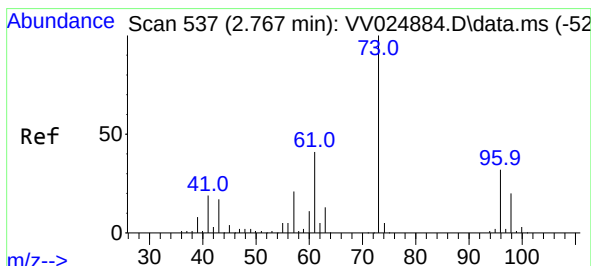
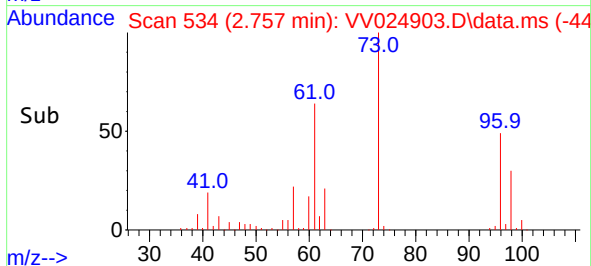
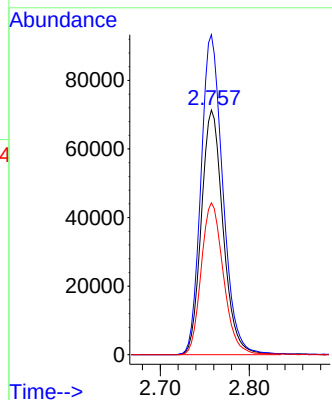
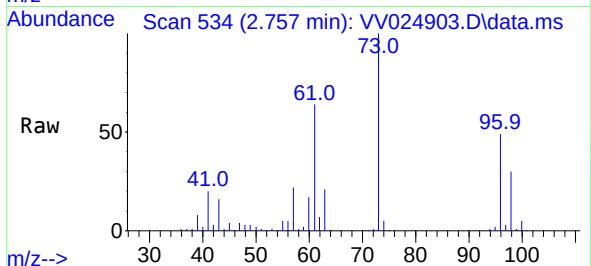




#17
trans-1,2-Dichloroethene
Concen: 51.818 ug/L
RT: 2.757 min Scan# 51
Delta R.T. -0.003 min
Lab File: VV024903.D
Acq: 10 Mar 2022 10:07

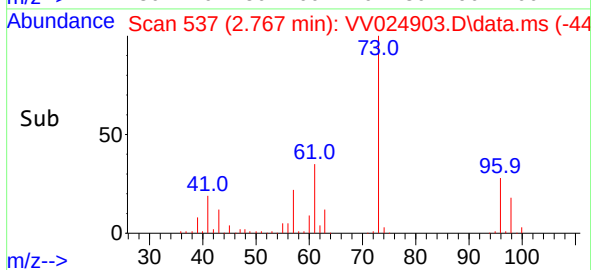
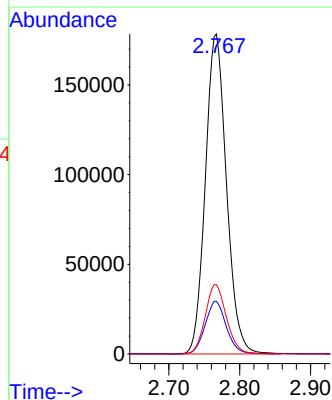
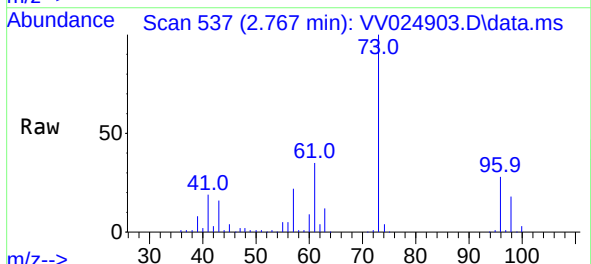
Instrument :
MSVOA_V
ClientSampleId :
VSTD050284

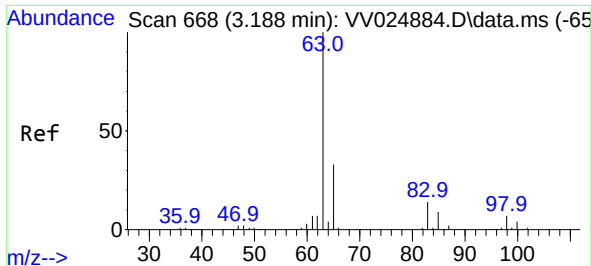
Tgt Ion: 96 Resp: 121129
Ion Ratio Lower Upper
96 100
61 130.8 93.7 173.9
98 62.1 43.7 81.1



#18
Methyl tert-butyl Ether
Concen: 51.827 ug/L
RT: 2.767 min Scan# 537
Delta R.T. 0.000 min
Lab File: VV024903.D
Acq: 10 Mar 2022 10:07

Tgt Ion: 73 Resp: 369387
Ion Ratio Lower Upper
73 100
43 16.6 13.6 20.4
57 21.8 17.4 26.2

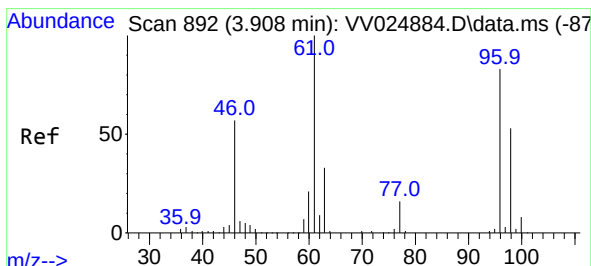
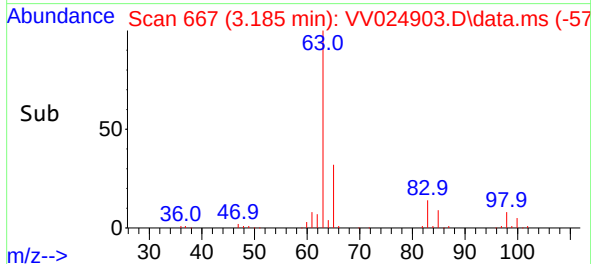
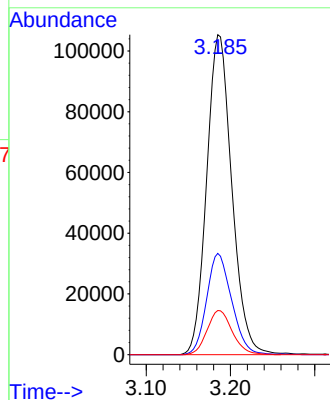
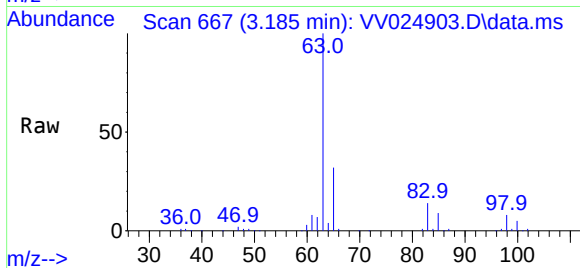




#19
1,1-Dichloroethane
Concen: 51.876 ug/L
RT: 3.185 min Scan# 60
Delta R.T. -0.003 min
Lab File: VV024903.D
Acq: 10 Mar 2022 10:07

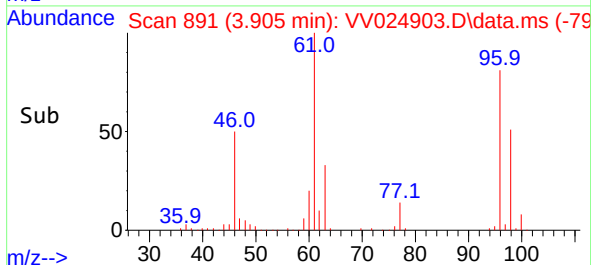
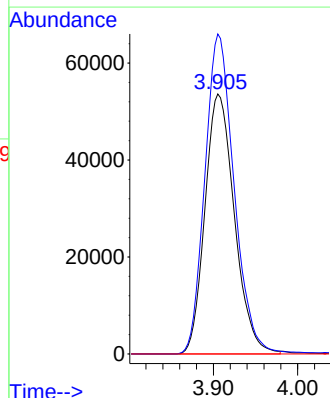
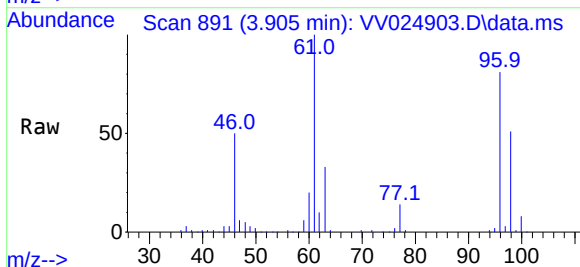
Instrument :
MSVOA_V
ClientSampleId :
VSTD050284

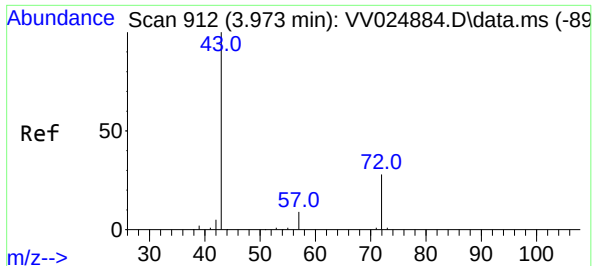
Tgt Ion: 63 Resp: 218642
Ion Ratio Lower Upper
63 100
65 31.7 22.0 40.8
83 13.8 9.2 17.0



#20
cis-1,2-Dichloroethene
Concen: 51.600 ug/L
RT: 3.905 min Scan# 891
Delta R.T. -0.003 min
Lab File: VV024903.D
Acq: 10 Mar 2022 10:07

Tgt Ion: 96 Resp: 130565
Ion Ratio Lower Upper
96 100
61 123.1 86.1 159.9
68 0.0 0.0 0.0

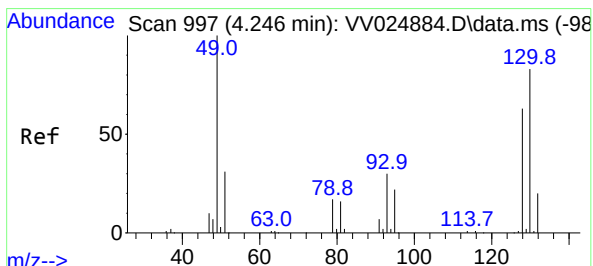
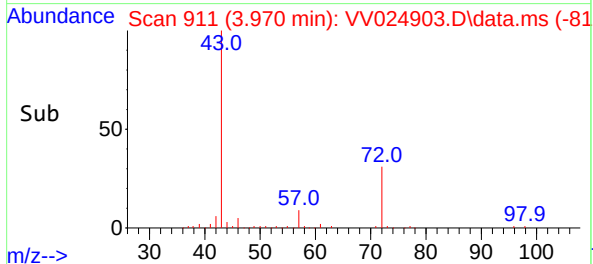
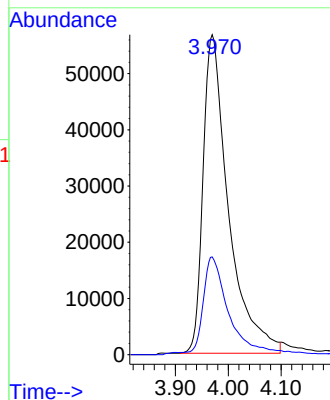
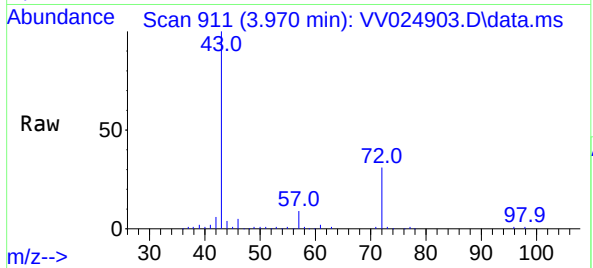




#22
2-Butanone
Concen: 127.928 ug/L
RT: 3.970 min Scan# 911
Delta R.T. -0.003 min
Lab File: VV024903.D
Acq: 10 Mar 2022 10:07

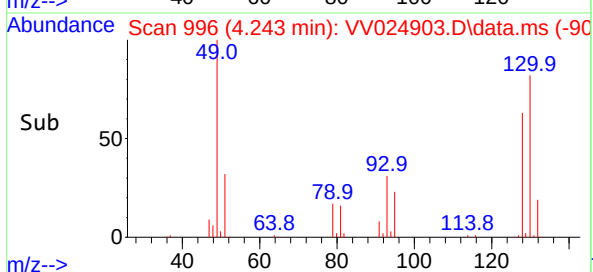
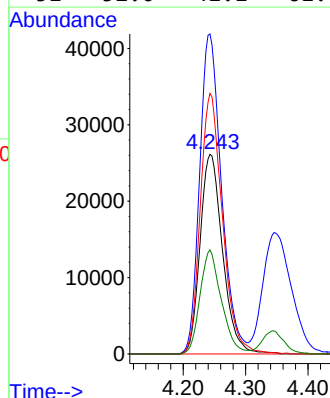
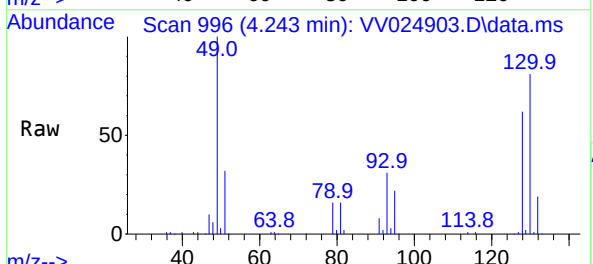
Instrument :
MSVOA_V
ClientSampleId :
VSTD050284

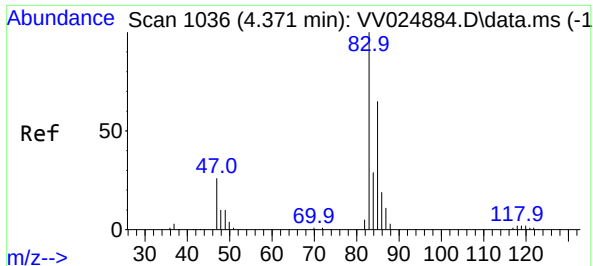
Tgt Ion: 43 Resp: 189274
Ion Ratio Lower Upper
43 100
72 27.6 13.9 41.6



#23
Bromochloromethane
Concen: 51.792 ug/L
RT: 4.243 min Scan# 996
Delta R.T. -0.003 min
Lab File: VV024903.D
Acq: 10 Mar 2022 10:07

Tgt Ion: 128 Resp: 65541
Ion Ratio Lower Upper
128 100
49 160.2 110.9 205.9
130 130.4 88.5 164.3
51 52.0 41.1 61.7

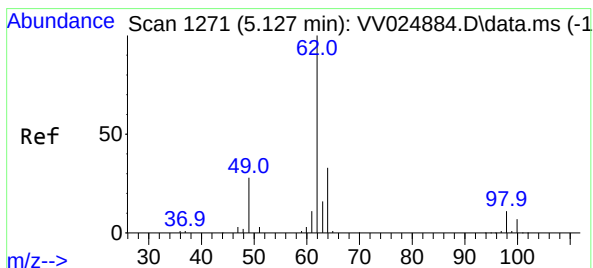
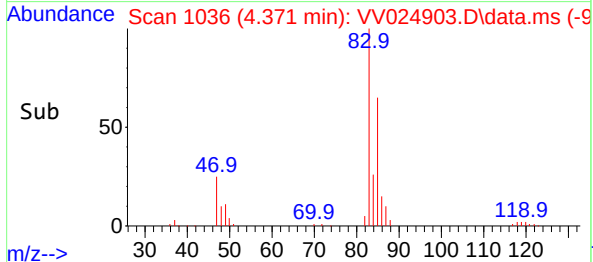
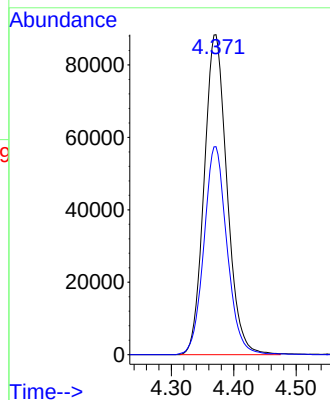
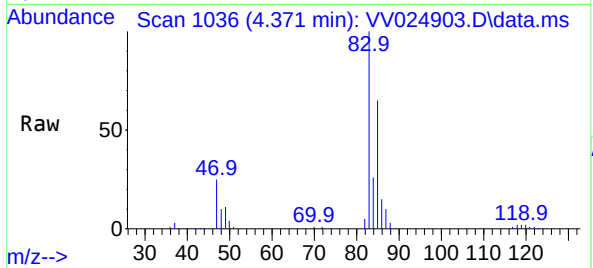




#25
Chloroform
Concen: 51.447 ug/L
RT: 4.371 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VV024903.D
Acq: 10 Mar 2022 10:07

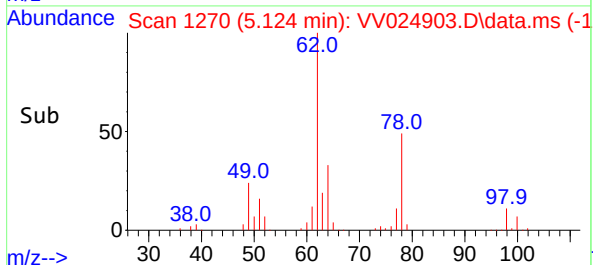
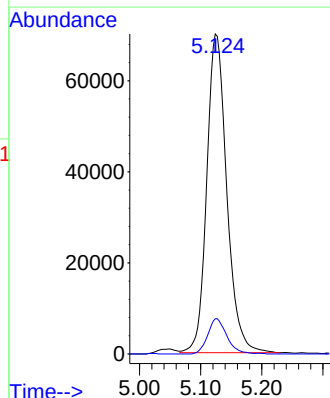
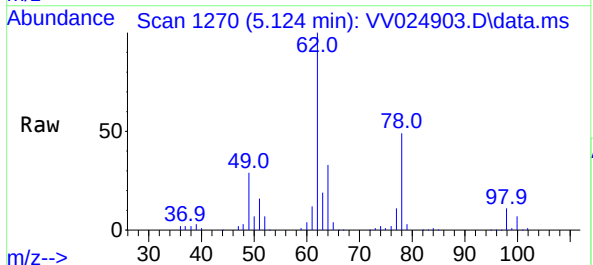
Instrument :
MSVOA_V
ClientSampleId :
VSTD050284

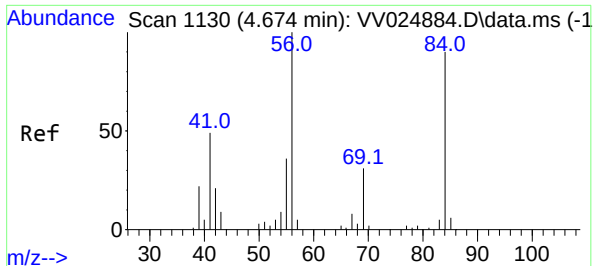
Tgt Ion: 83 Resp: 225247
Ion Ratio Lower Upper
83 100
85 65.0 46.0 85.4



#27
1,2-Dichloroethane
Concen: 52.156 ug/L
RT: 5.124 min Scan# 1270
Delta R.T. -0.003 min
Lab File: VV024903.D
Acq: 10 Mar 2022 10:07

Tgt Ion: 62 Resp: 159350
Ion Ratio Lower Upper
62 100
98 11.0 8.2 12.4





#29

Cyclohexane

Concen: 50.316 ug/L

RT: 4.674 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VV024903.D

Acq: 10 Mar 2022 10:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD050284

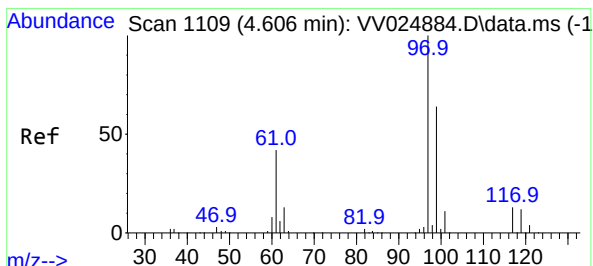
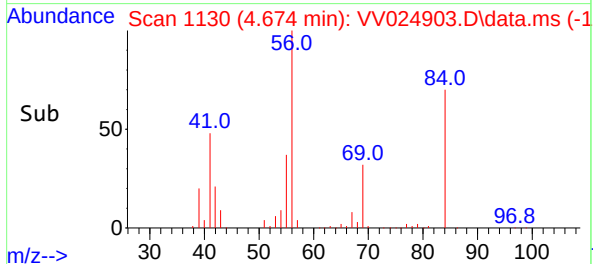
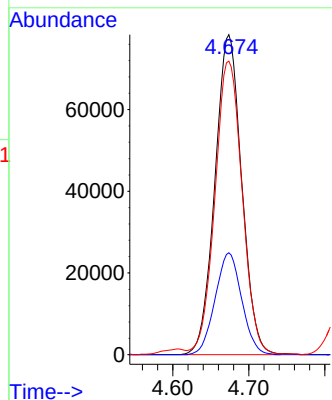
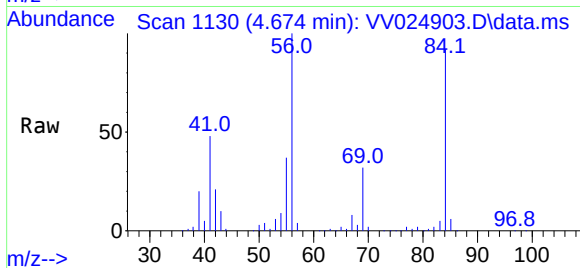
Tgt Ion: 56 Resp: 191337

Ion Ratio Lower Upper

56 100

69 31.6 25.0 37.6

84 93.6 73.4 110.2



#30

1,1,1-Trichloroethane

Concen: 50.543 ug/L

RT: 4.603 min Scan# 1108

Delta R.T. -0.003 min

Lab File: VV024903.D

Acq: 10 Mar 2022 10:07

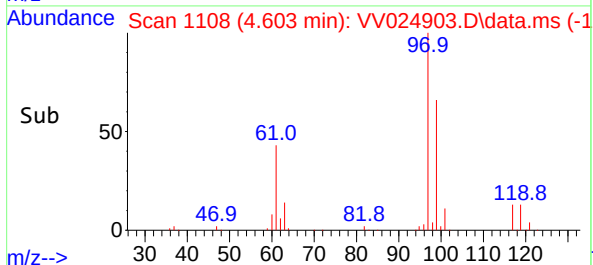
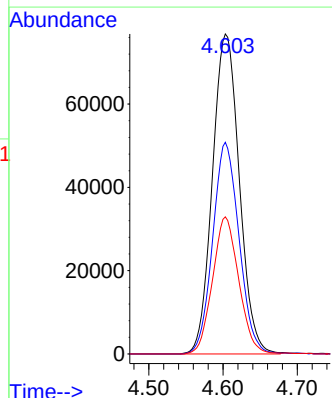
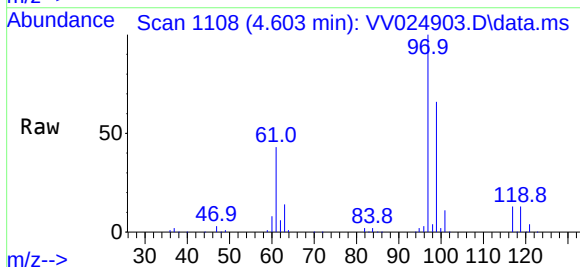
Tgt Ion: 97 Resp: 193481

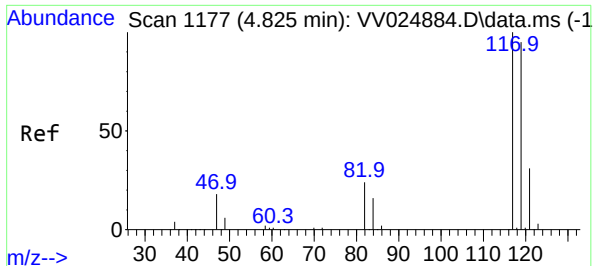
Ion Ratio Lower Upper

97 100

99 64.7 51.5 77.3

61 41.7 33.8 50.8

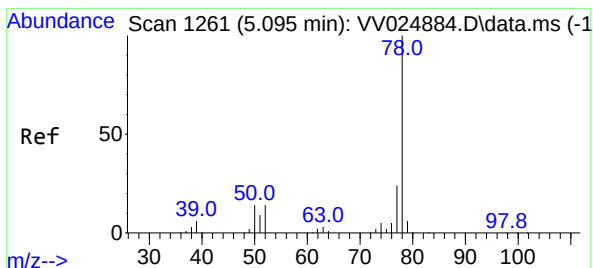
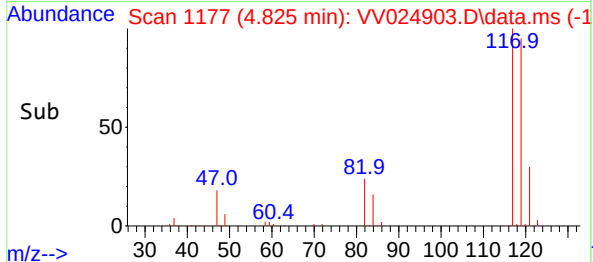
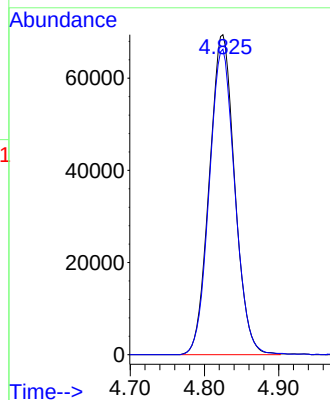
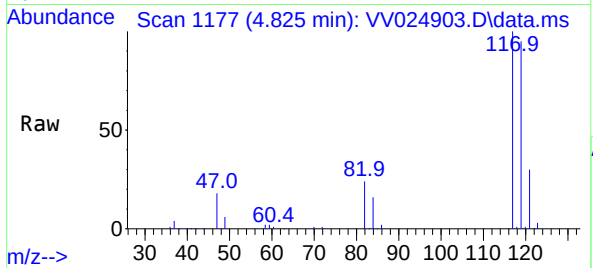




#31
Carbon tetrachloride
Concen: 50.601 ug/L
RT: 4.825 min Scan# 1177
Delta R.T. 0.000 min
Lab File: VV024903.D
Acq: 10 Mar 2022 10:07

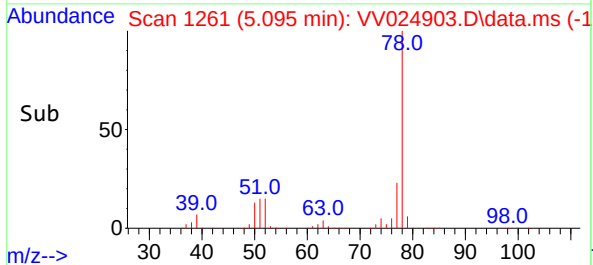
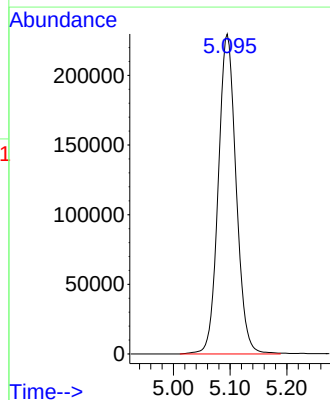
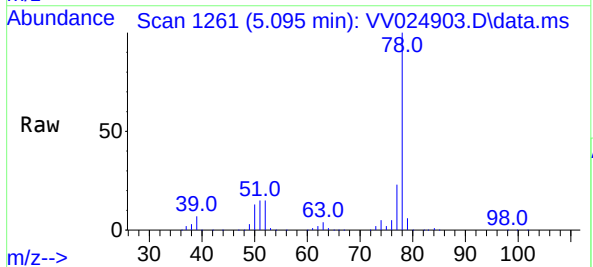
Instrument :
MSVOA_V
ClientSampleId :
VSTD050284

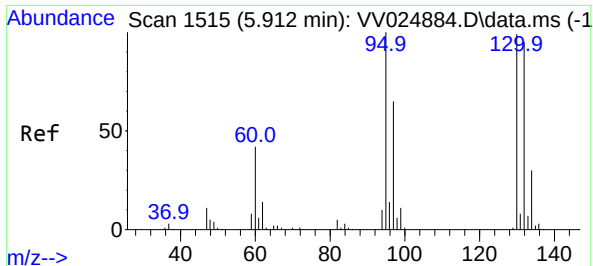
Tgt Ion:117 Resp: 164696
Ion Ratio Lower Upper
117 100
119 96.3 75.8 113.8



#33
Benzene
Concen: 51.190 ug/L
RT: 5.095 min Scan# 1261
Delta R.T. 0.000 min
Lab File: VV024903.D
Acq: 10 Mar 2022 10:07

Tgt Ion: 78 Resp: 502239

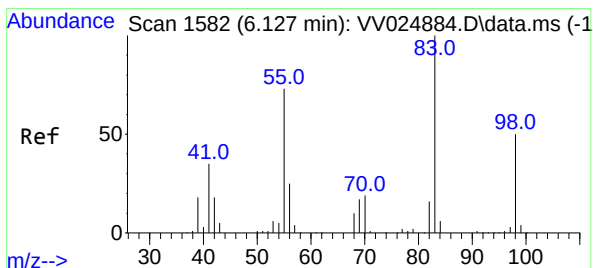
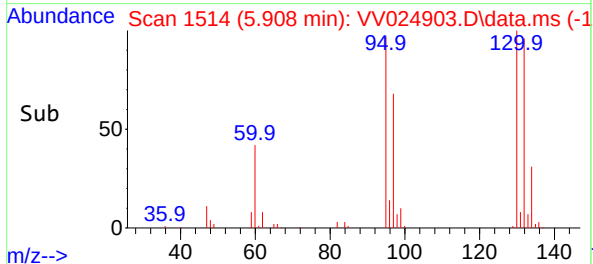
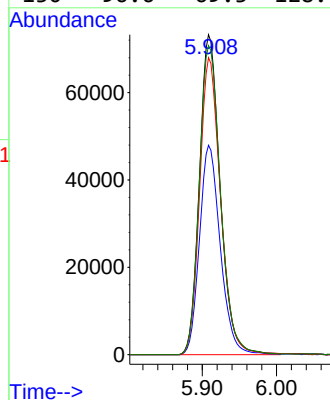
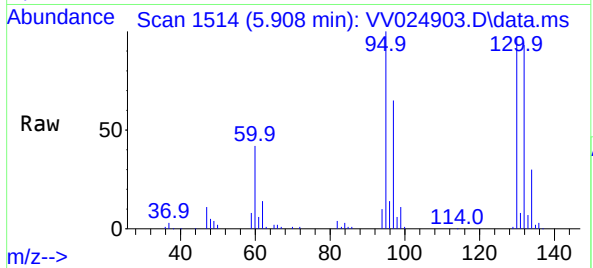




#34
Trichloroethene
Concen: 52.965 ug/L
RT: 5.908 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV024903.D
Acq: 10 Mar 2022 10:07

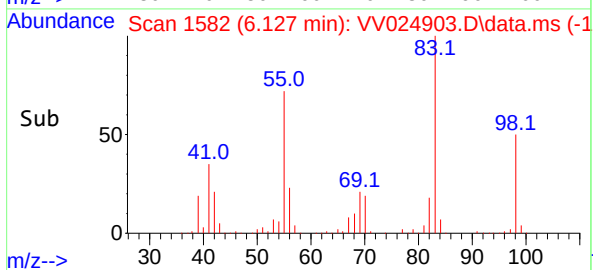
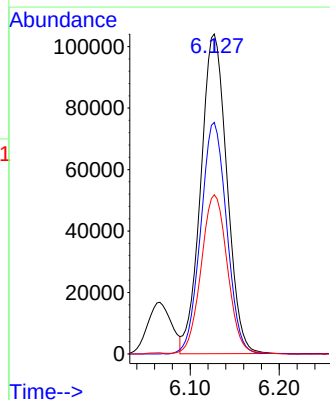
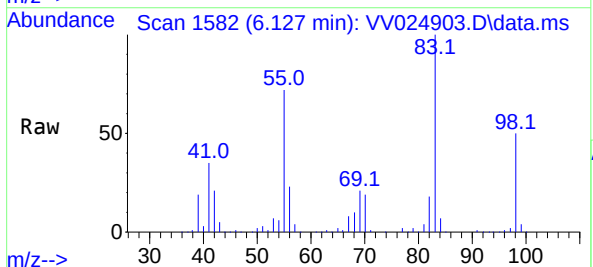
Instrument :
MSVOA_V
ClientSampleId :
VSTD050284

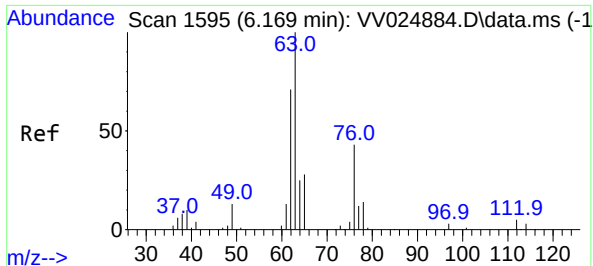
Tgt Ion: 95 Resp: 142455
Ion Ratio Lower Upper
95 100
97 65.4 45.3 84.1
132 92.8 65.0 120.6
130 96.6 69.3 128.7



#35
Methylcyclohexane
Concen: 51.991 ug/L
RT: 6.127 min Scan# 1582
Delta R.T. 0.000 min
Lab File: VV024903.D
Acq: 10 Mar 2022 10:07

Tgt Ion: 83 Resp: 212155
Ion Ratio Lower Upper
83 100
55 71.8 57.7 86.5
98 50.2 38.9 58.3

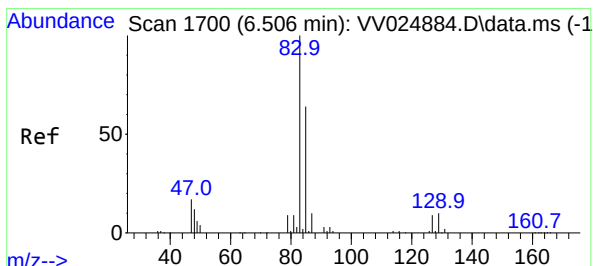
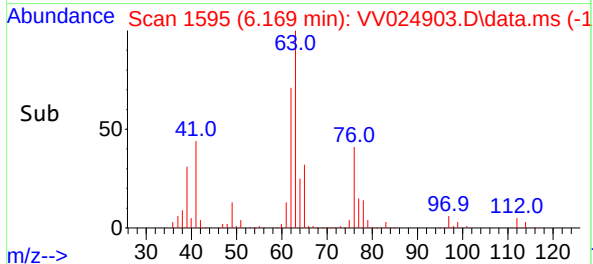
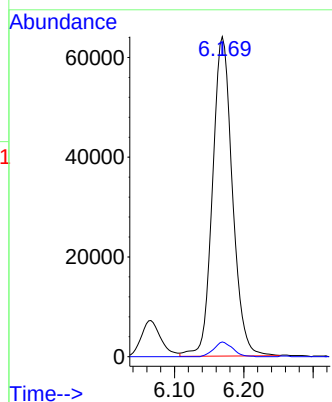
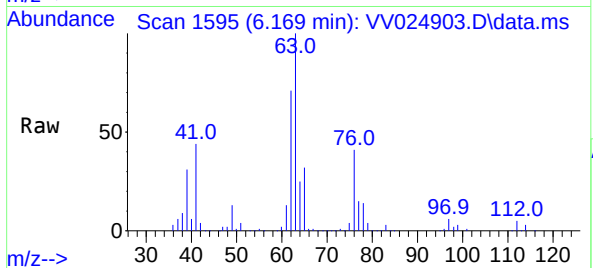




#37
1,2-Dichloropropane
Concen: 51.828 ug/L
RT: 6.169 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV024903.D
Acq: 10 Mar 2022 10:07

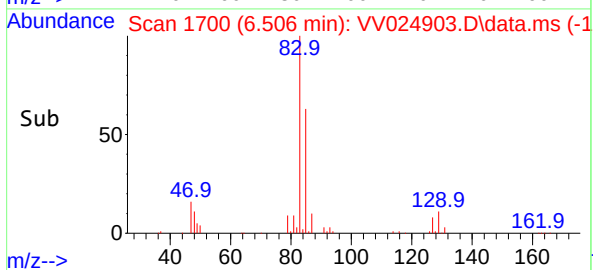
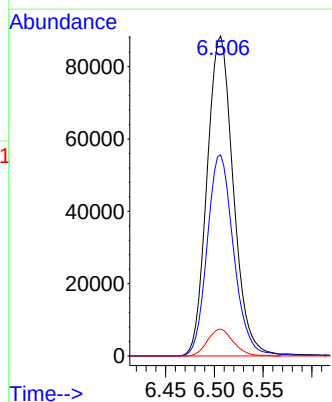
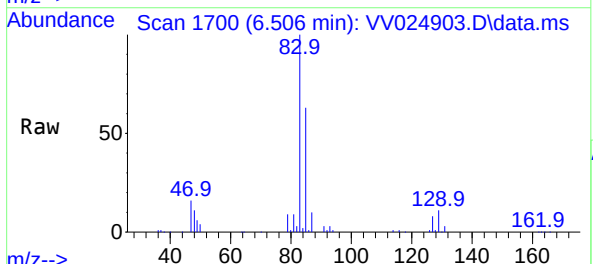
Instrument :
MSVOA_V
ClientSampleId :
VSTD050284

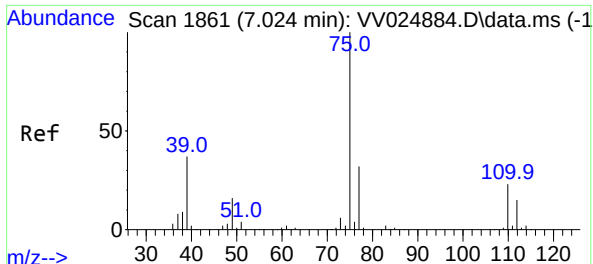
Tgt Ion: 63 Resp: 127598
Ion Ratio Lower Upper
63 100
112 4.4 3.6 5.4



#38
Bromodichloromethane
Concen: 51.430 ug/L
RT: 6.506 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VV024903.D
Acq: 10 Mar 2022 10:07

Tgt Ion: 83 Resp: 165924
Ion Ratio Lower Upper
83 100
85 62.8 44.5 82.7
127 8.4 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 51.311 ug/L

RT: 7.021 min Scan# 1861

Delta R.T. -0.003 min

Lab File: VV024903.D

Acq: 10 Mar 2022 10:07

Instrument :

MSVOA_V

ClientSampleId :

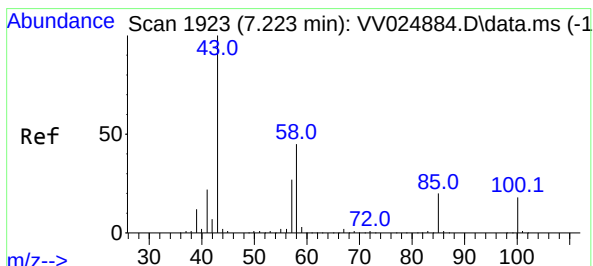
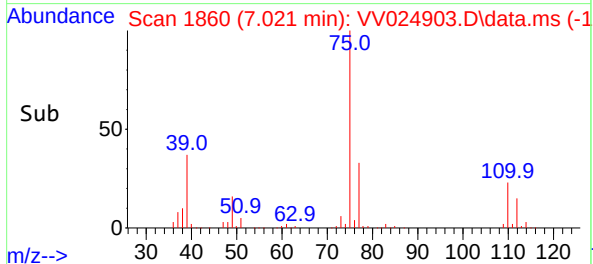
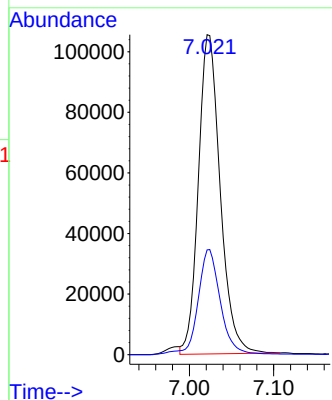
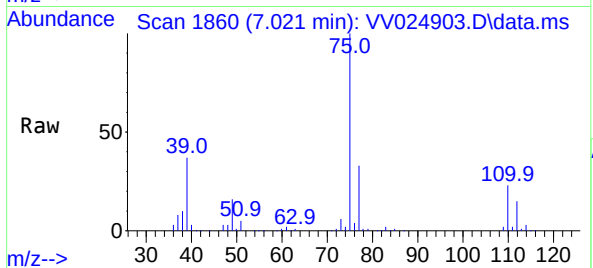
VSTD050284

Tgt Ion: 75 Resp: 190130

Ion Ratio Lower Upper

75 100

77 32.7 22.9 42.5



#40

4-Methyl-2-pentanone

Concen: 106.714 ug/L

RT: 7.223 min Scan# 1923

Delta R.T. 0.000 min

Lab File: VV024903.D

Acq: 10 Mar 2022 10:07

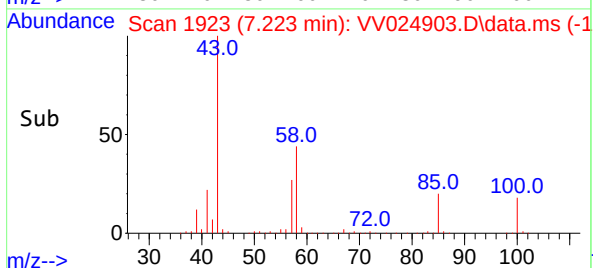
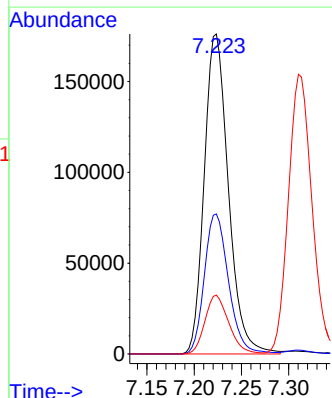
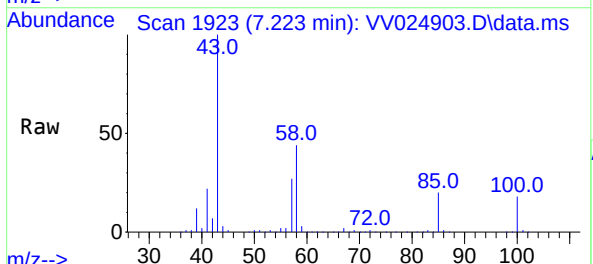
Tgt Ion: 43 Resp: 313235

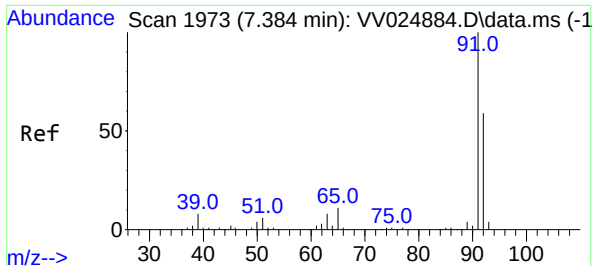
Ion Ratio Lower Upper

43 100

58 43.8 34.8 52.2

100 18.1 14.2 21.2





#42

Toluene

Concen: 52.357 ug/L

RT: 7.384 min Scan# 1973

Delta R.T. 0.000 min

Lab File: VV024903.D

Acq: 10 Mar 2022 10:07

Instrument :

MSVOA_V

ClientSampleId :

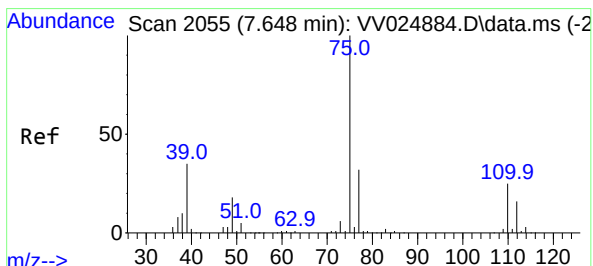
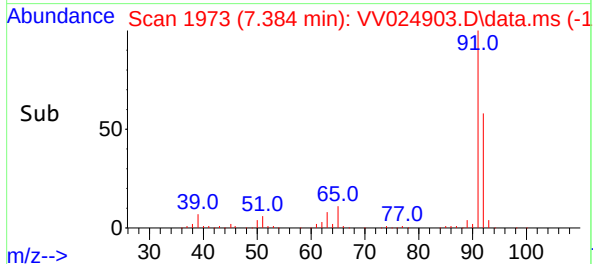
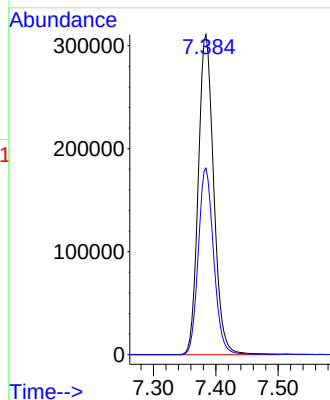
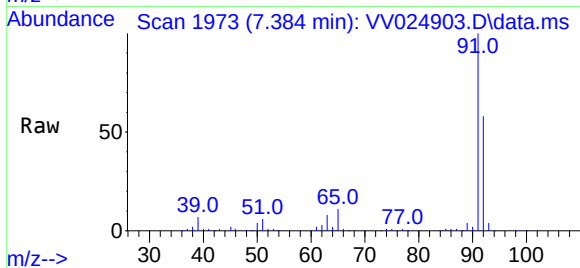
VSTD050284

Tgt Ion: 91 Resp: 536021

Ion Ratio Lower Upper

91 100

92 58.3 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 53.649 ug/L

RT: 7.648 min Scan# 2055

Delta R.T. 0.000 min

Lab File: VV024903.D

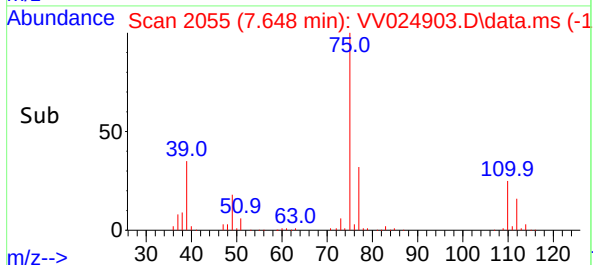
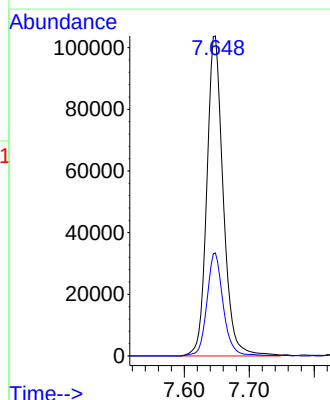
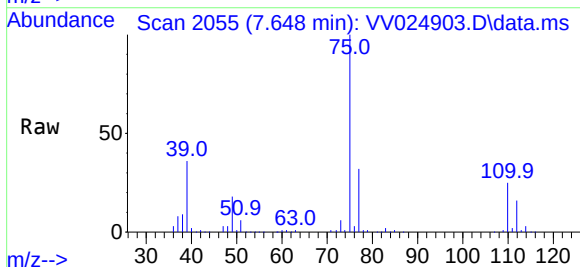
Acq: 10 Mar 2022 10:07

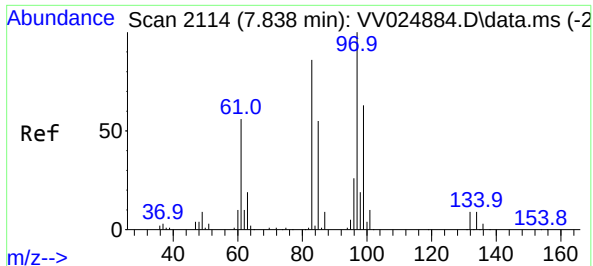
Tgt Ion: 75 Resp: 182631

Ion Ratio Lower Upper

75 100

77 32.2 22.5 41.9





#45

1,1,2-Trichloroethane

Concen: 51.803 ug/L

RT: 7.834 min Scan# 2114

Delta R.T. -0.003 min

Lab File: VV024903.D

Acq: 10 Mar 2022 10:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD050284

Tgt Ion: 97 Resp: 123918

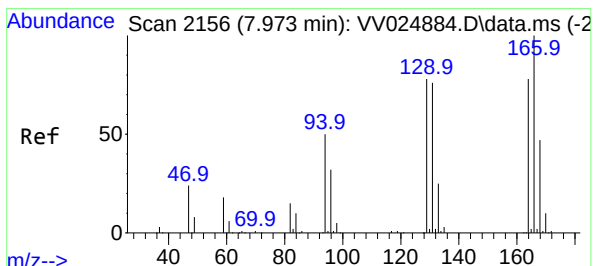
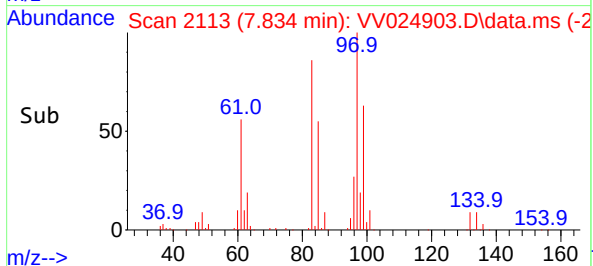
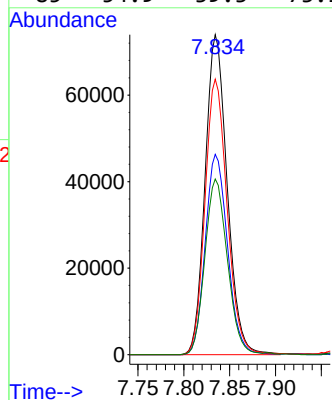
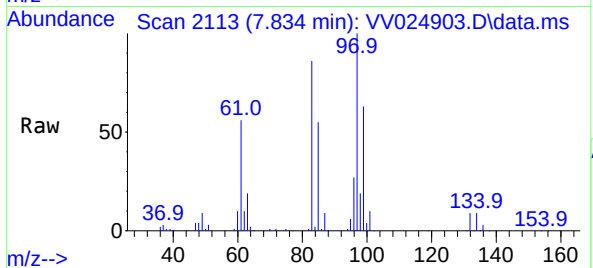
Ion Ratio Lower Upper

97 100

99 62.6 43.9 81.5

83 86.1 61.7 114.5

85 54.9 39.3 73.1



#46

Tetrachloroethene

Concen: 51.954 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. 0.000 min

Lab File: VV024903.D

Acq: 10 Mar 2022 10:07

Tgt Ion:164 Resp: 90244

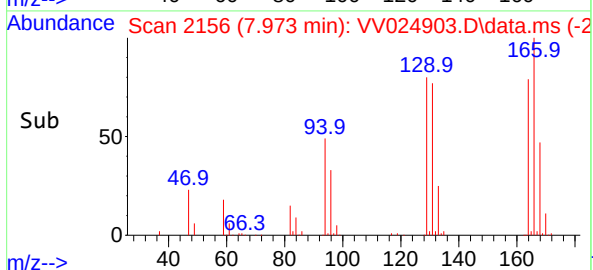
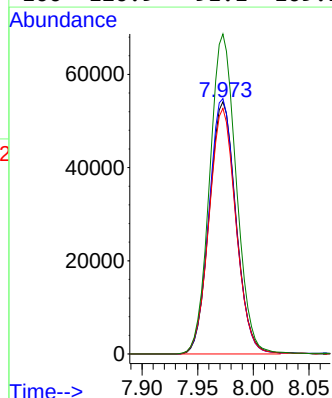
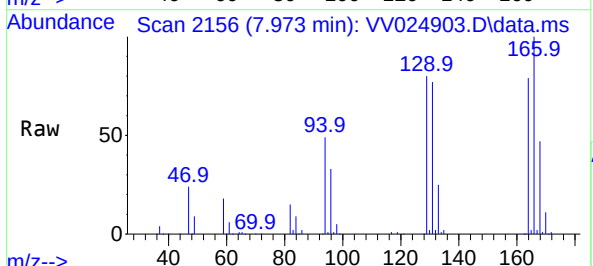
Ion Ratio Lower Upper

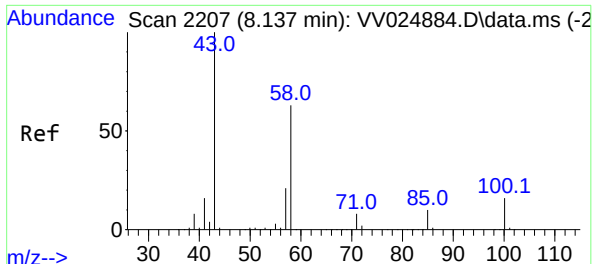
164 100

129 101.2 74.1 137.7

131 97.4 70.1 130.1

166 126.9 91.1 169.1

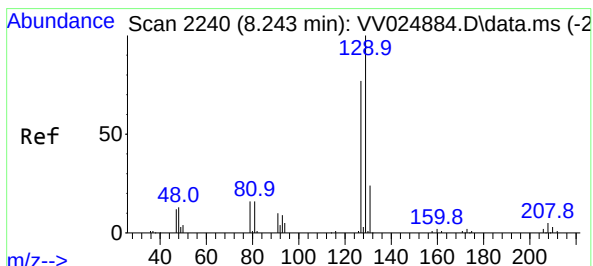
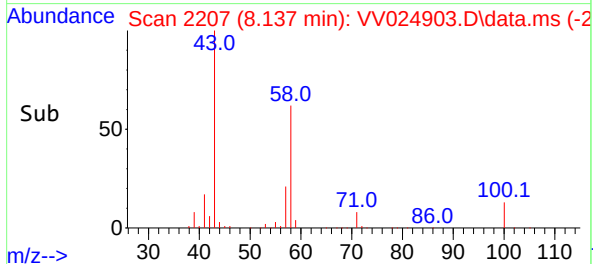
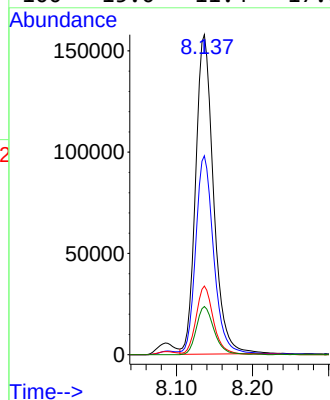
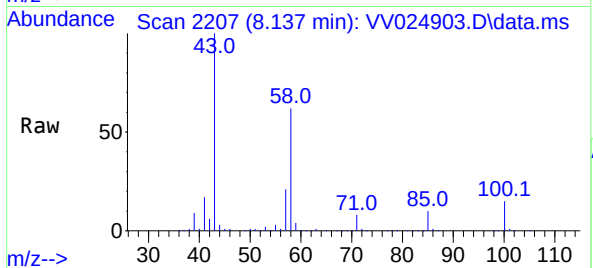




#48
2-Hexanone
Concen: 111.644 ug/L
RT: 8.137 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV024903.D
Acq: 10 Mar 2022 10:07

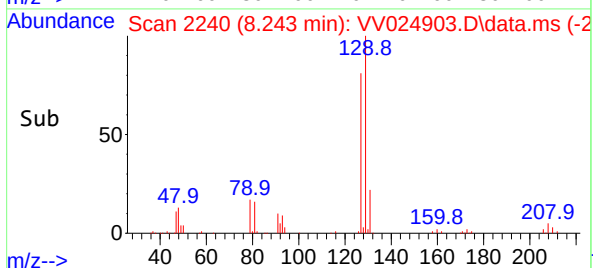
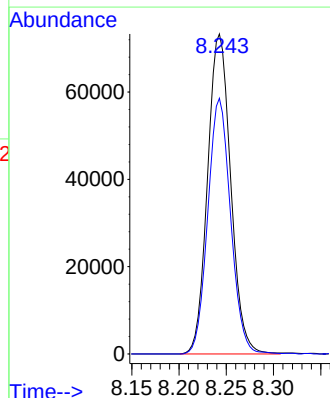
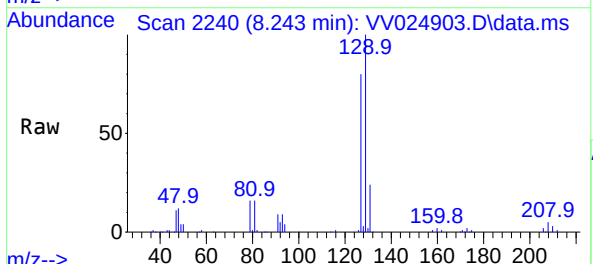
Instrument :
MSVOA_V
ClientSampleId :
VSTD050284

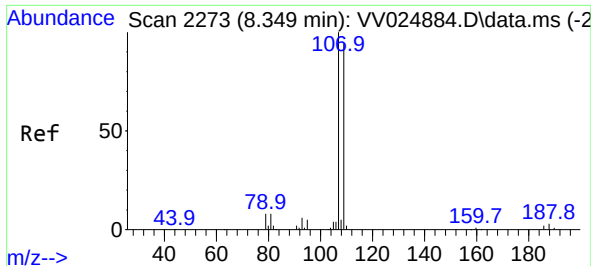
Tgt Ion: 43 Resp: 257910
Ion Ratio Lower Upper
43 100
58 62.4 48.6 72.8
57 20.5 16.5 24.7
100 15.0 11.4 17.0



#49
Dibromochloromethane
Concen: 53.932 ug/L
RT: 8.243 min Scan# 2240
Delta R.T. 0.000 min
Lab File: VV024903.D
Acq: 10 Mar 2022 10:07

Tgt Ion: 129 Resp: 124672
Ion Ratio Lower Upper
129 100
127 79.9 54.2 100.6

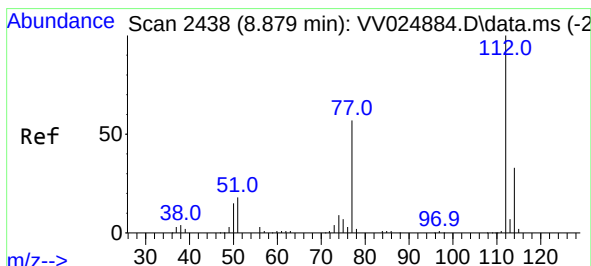
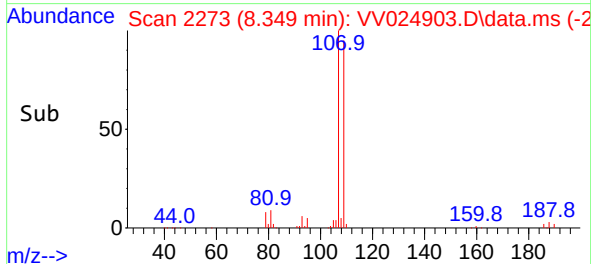
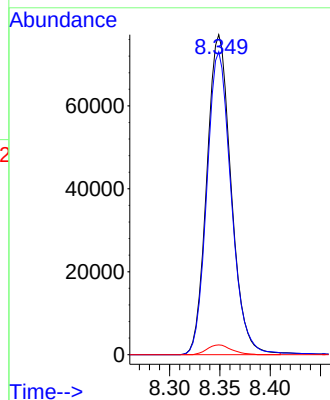
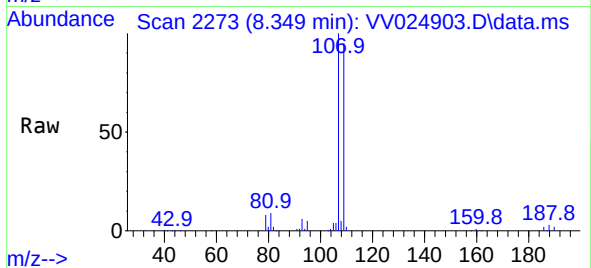




#50
1,2-Dibromoethane
Concen: 52.496 ug/L
RT: 8.349 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV024903.D
Acq: 10 Mar 2022 10:07

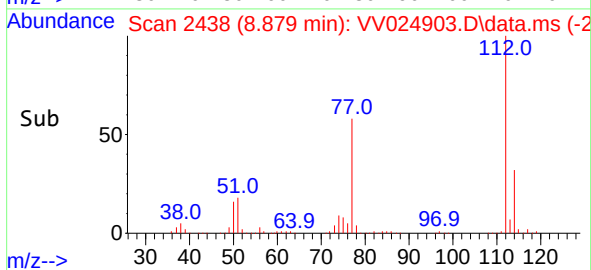
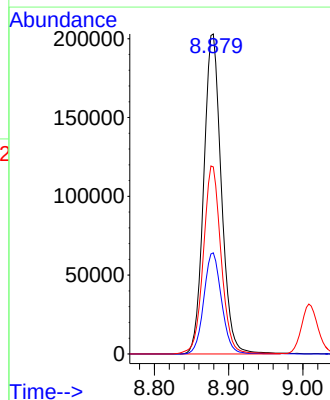
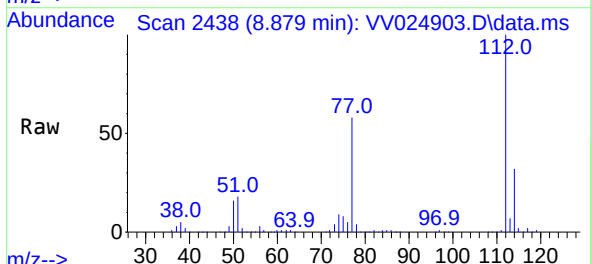
Instrument :
MSVOA_V
ClientSampleId :
VSTD050284

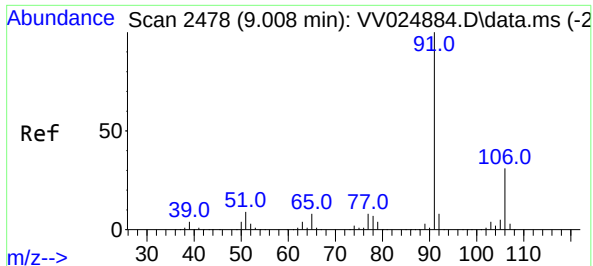
Tgt Ion:107 Resp: 129505
Ion Ratio Lower Upper
107 100
109 94.6 65.6 121.8
188 3.1 2.4 3.6



#51
Chlorobenzene
Concen: 51.664 ug/L
RT: 8.879 min Scan# 2438
Delta R.T. 0.000 min
Lab File: VV024903.D
Acq: 10 Mar 2022 10:07

Tgt Ion:112 Resp: 333669
Ion Ratio Lower Upper
112 100
114 31.6 22.3 41.5
77 58.4 46.7 70.1





#52

Ethylbenzene

Concen: 53.015 ug/L

RT: 9.008 min Scan# 2478

Delta R.T. 0.000 min

Lab File: VV024903.D

Acq: 10 Mar 2022 10:07

Instrument :

MSVOA_V

ClientSampleId :

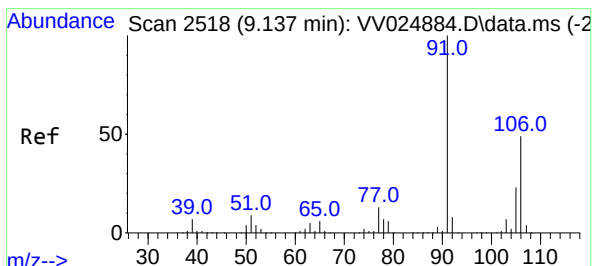
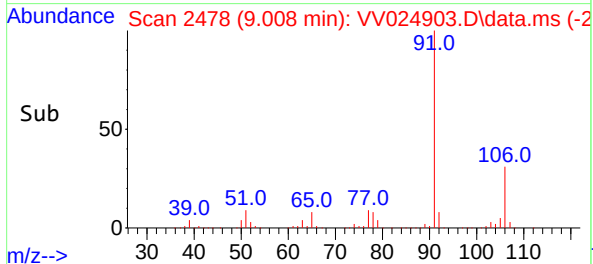
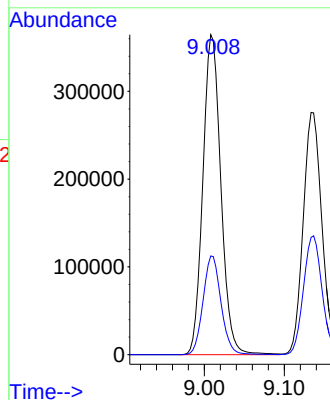
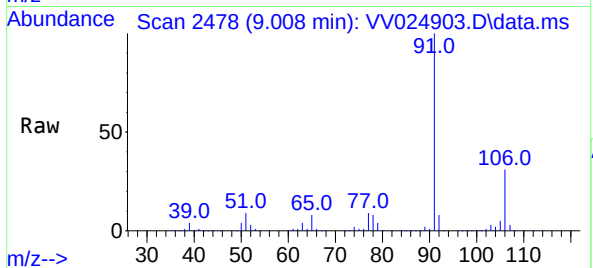
VSTD050284

Tgt Ion: 91 Resp: 572454

Ion Ratio Lower Upper

91 100

106 30.9 21.6 40.2



#53

m,p-Xylene

Concen: 52.894 ug/L

RT: 9.137 min Scan# 2518

Delta R.T. 0.000 min

Lab File: VV024903.D

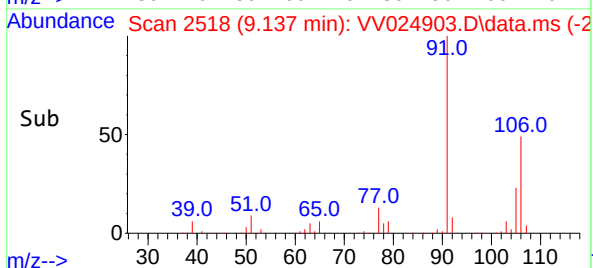
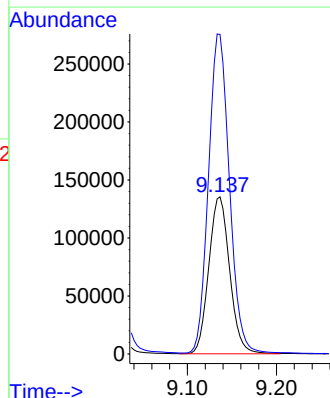
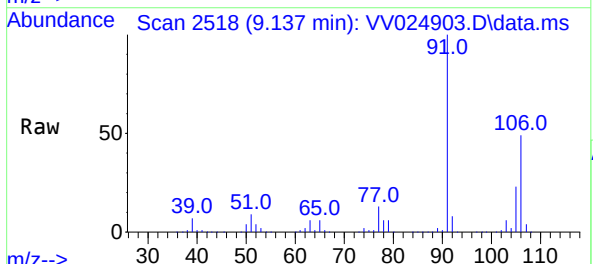
Acq: 10 Mar 2022 10:07

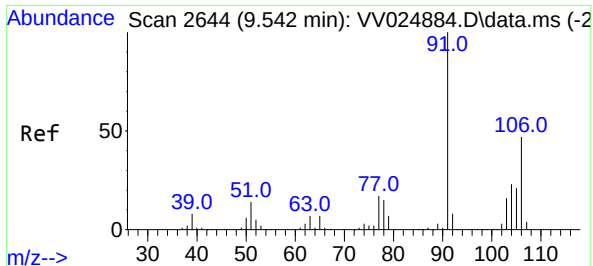
Tgt Ion:106 Resp: 219464

Ion Ratio Lower Upper

106 100

91 203.4 142.2 264.2

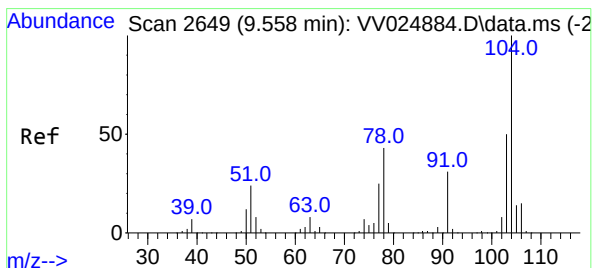
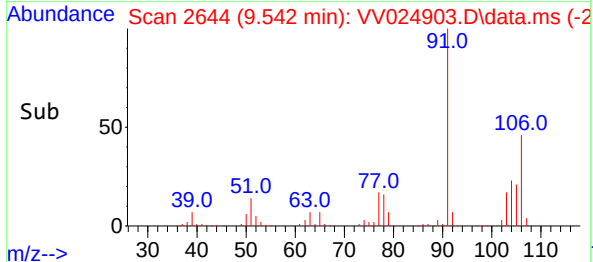
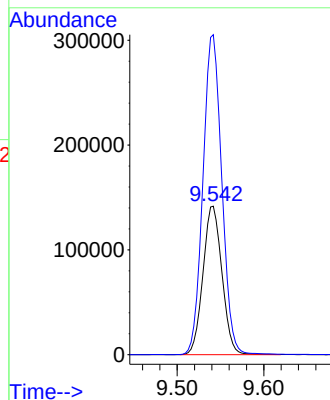
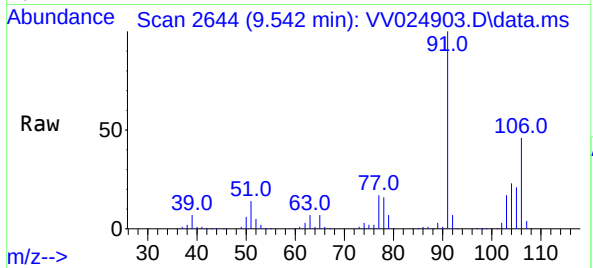




#54
o-Xylene
Concen: 53.855 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. 0.000 min
Lab File: VV024903.D
Acq: 10 Mar 2022 10:07

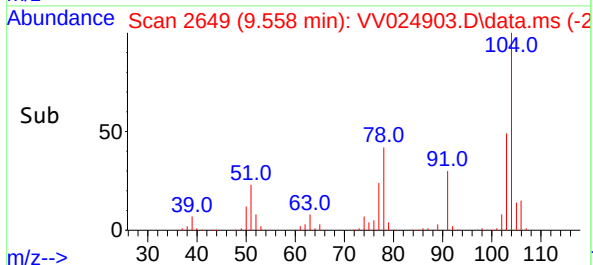
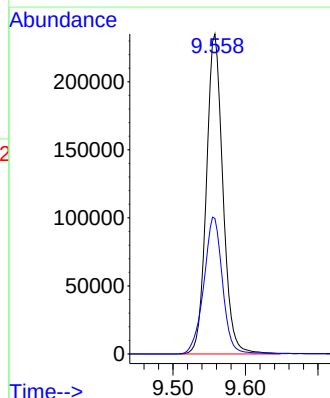
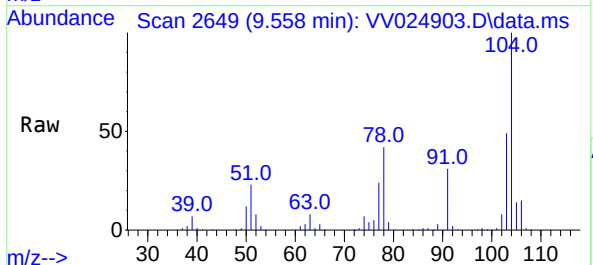
Instrument :
MSVOA_V
ClientSampleId :
VSTD050284

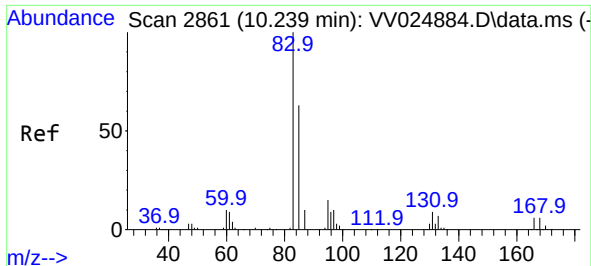
Tgt Ion:106 Resp: 215910
Ion Ratio Lower Upper
106 100
91 215.5 151.6 281.6



#55
Styrene
Concen: 54.798 ug/L
RT: 9.558 min Scan# 2649
Delta R.T. 0.000 min
Lab File: VV024903.D
Acq: 10 Mar 2022 10:07

Tgt Ion:104 Resp: 372757
Ion Ratio Lower Upper
104 100
78 42.4 30.9 57.3



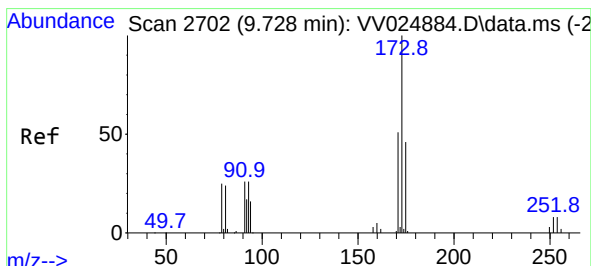
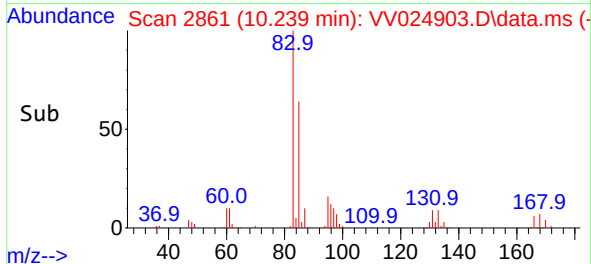
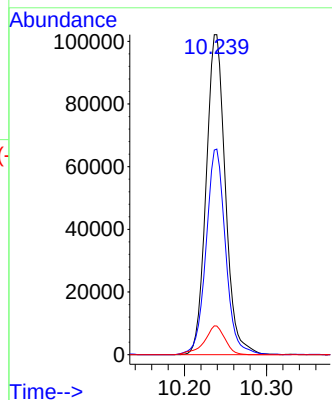
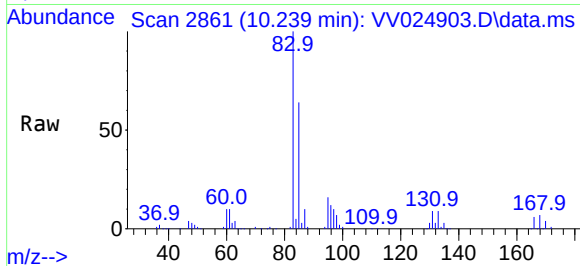


#57
 1,1,2,2-Tetrachloroethane
 Concen: 49.621 ug/L
 RT: 10.239 min Scan# 2861
 Delta R.T. 0.000 min
 Lab File: VV024903.D
 Acq: 10 Mar 2022 10:07

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050284

Tgt Ion: 83 Resp: 166027

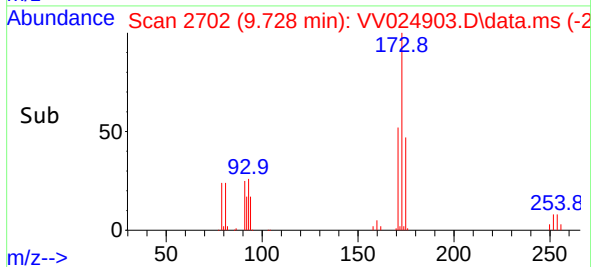
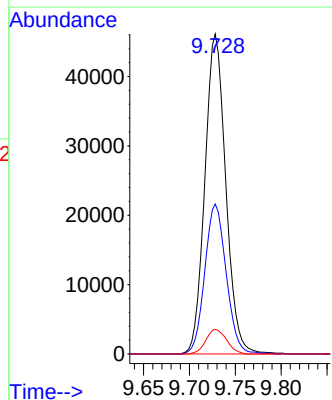
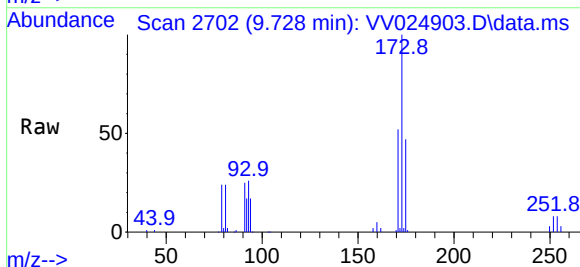
Ion	Ratio	Lower	Upper
83	100		
85	64.2	44.2	82.2
131	9.0	7.0	10.4

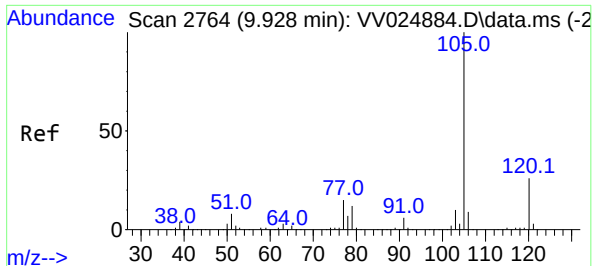


#59
 Bromoform
 Concen: 53.458 ug/L
 RT: 9.728 min Scan# 2702
 Delta R.T. 0.000 min
 Lab File: VV024903.D
 Acq: 10 Mar 2022 10:07

Tgt Ion: 173 Resp: 73268

Ion	Ratio	Lower	Upper
173	100		
175	47.9	37.9	56.9
254	7.6	6.2	9.4

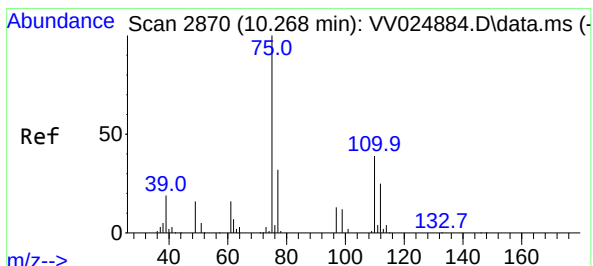
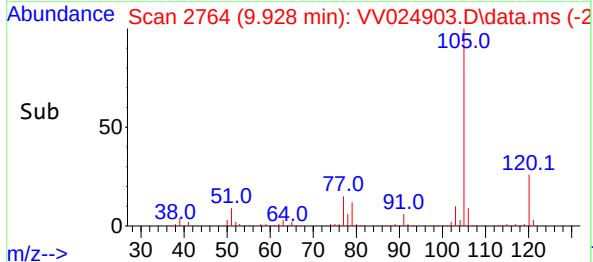
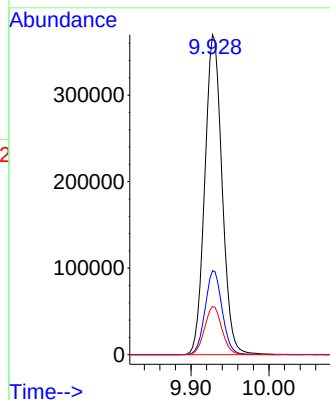
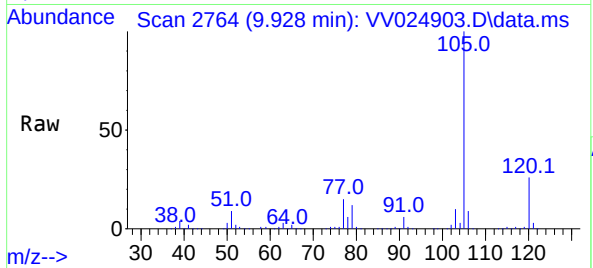




#60
Isopropylbenzene
Concen: 52.224 ug/L
RT: 9.928 min Scan# 2764
Delta R.T. 0.000 min
Lab File: VV024903.D
Acq: 10 Mar 2022 10:07

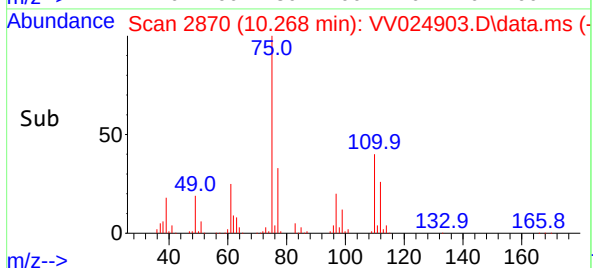
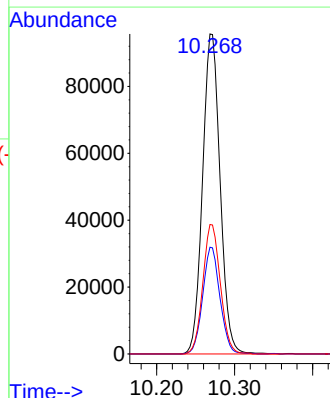
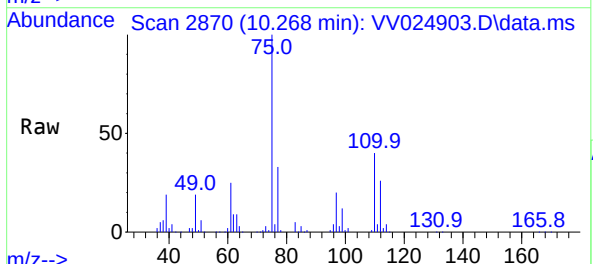
Instrument :
MSVOA_V
ClientSampleId :
VSTD050284

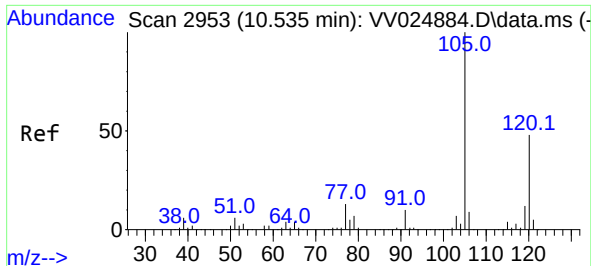
Tgt Ion:105 Resp: 570624
Ion Ratio Lower Upper
105 100
120 26.0 20.6 31.0
77 15.1 12.3 18.5



#61
1,2,3-Trichloropropane
Concen: 49.715 ug/L
RT: 10.268 min Scan# 2870
Delta R.T. 0.000 min
Lab File: VV024903.D
Acq: 10 Mar 2022 10:07

Tgt Ion: 75 Resp: 149667
Ion Ratio Lower Upper
75 100
77 32.9 25.4 38.0
110 40.4 31.4 47.2





#62

1,3,5-Trimethylbenzene

Concen: 52.656 ug/L

RT: 10.535 min Scan# 2953

Delta R.T. 0.000 min

Lab File: VV024903.D

Acq: 10 Mar 2022 10:07

Instrument :

MSVOA_V

ClientSampleId :

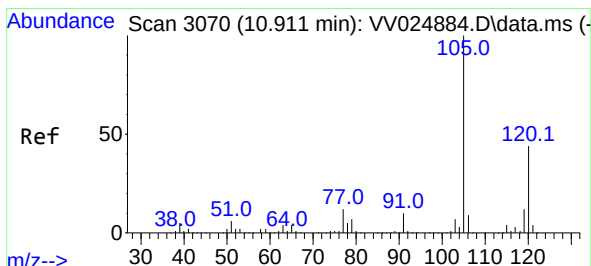
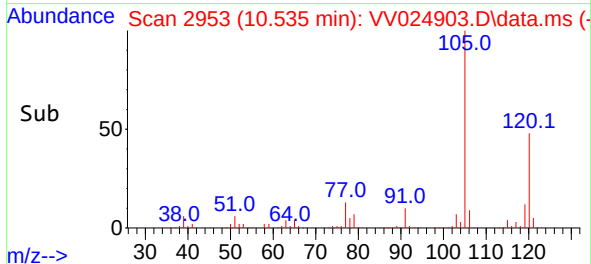
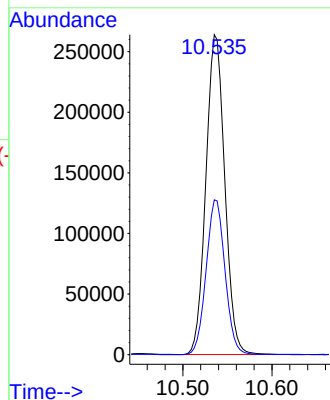
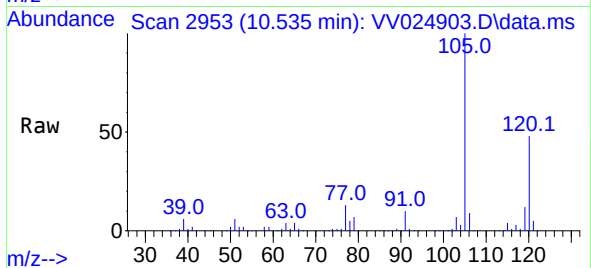
VSTD050284

Tgt Ion:105 Resp: 388186

Ion Ratio Lower Upper

105 100

120 48.5 38.6 58.0



#63

1,2,4-Trimethylbenzene

Concen: 53.133 ug/L

RT: 10.911 min Scan# 3070

Delta R.T. 0.000 min

Lab File: VV024903.D

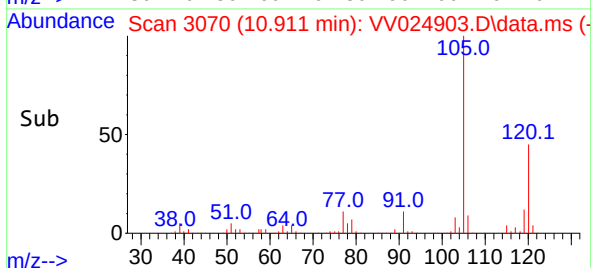
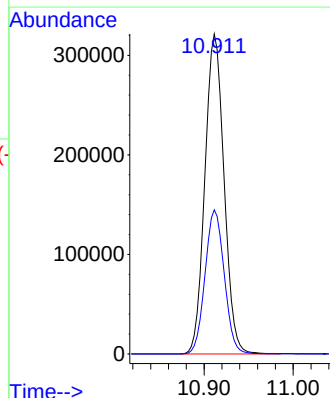
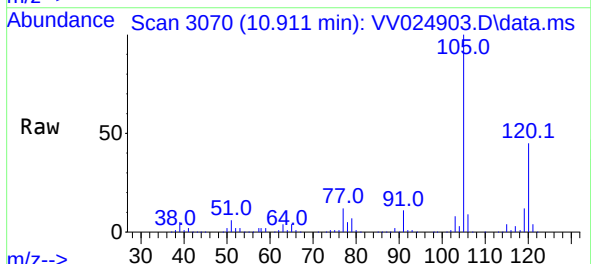
Acq: 10 Mar 2022 10:07

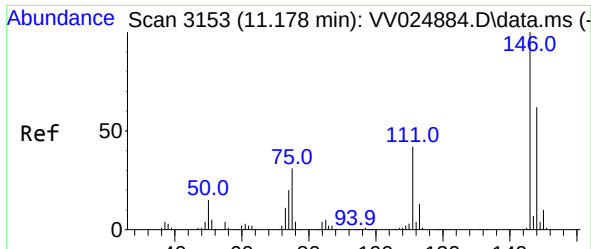
Tgt Ion:105 Resp: 480101

Ion Ratio Lower Upper

105 100

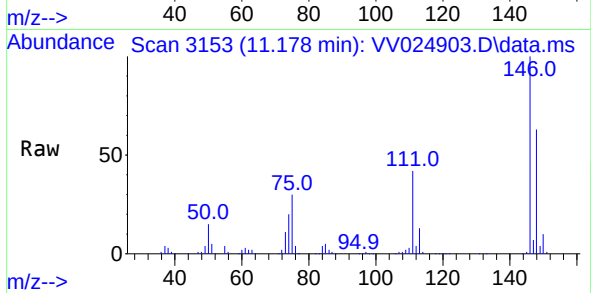
120 45.1 36.1 54.1



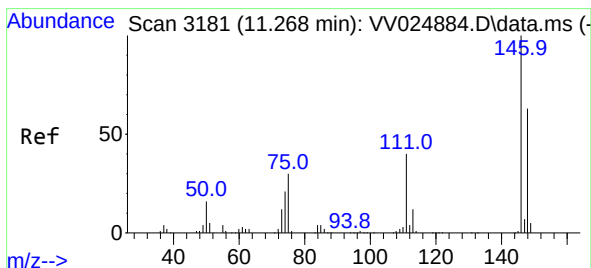
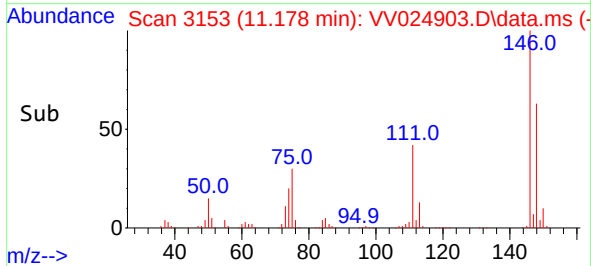
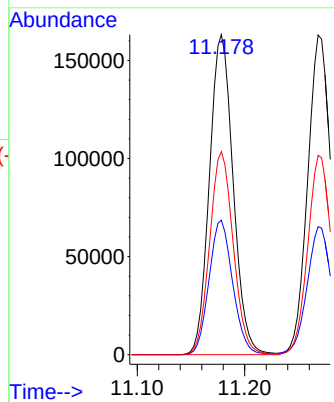


#64
1,3-Dichlorobenzene
Concen: 52.132 ug/L
RT: 11.178 min Scan# 3153
Delta R.T. 0.000 min
Lab File: VV024903.D
Acq: 10 Mar 2022 10:07

Instrument :
MSVOA_V
ClientSampleId :
VSTD050284

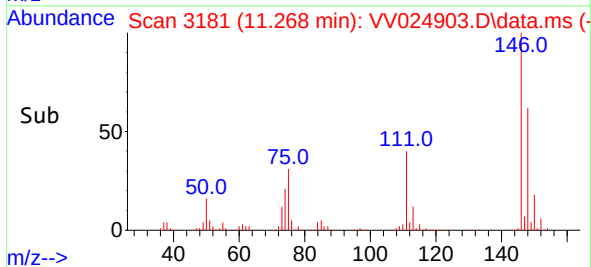
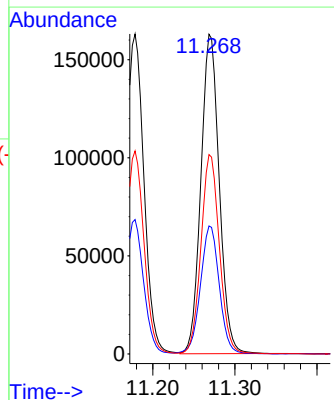
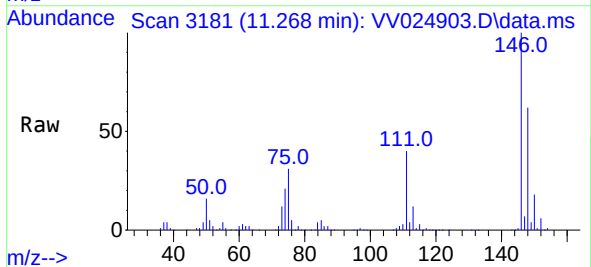


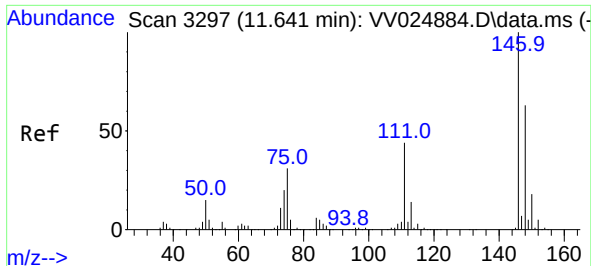
Tgt Ion:146 Resp: 249957
Ion Ratio Lower Upper
146 100
111 42.0 29.7 55.1
148 63.4 43.9 81.5



#65
1,4-Dichlorobenzene
Concen: 51.502 ug/L
RT: 11.268 min Scan# 3181
Delta R.T. 0.000 min
Lab File: VV024903.D
Acq: 10 Mar 2022 10:07

Tgt Ion:146 Resp: 252808
Ion Ratio Lower Upper
146 100
111 40.0 28.6 53.0
148 62.4 43.7 81.1





#67

1,2-Dichlorobenzene

Concen: 50.951 ug/L

RT: 11.641 min Scan# 3297

Delta R.T. 0.000 min

Lab File: VV024903.D

Acq: 10 Mar 2022 10:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD050284

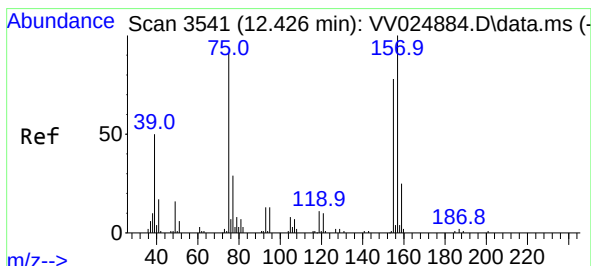
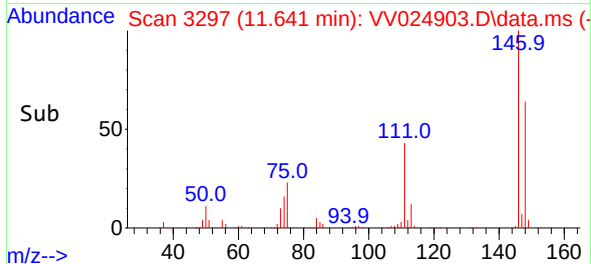
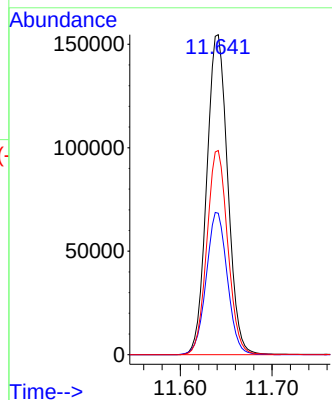
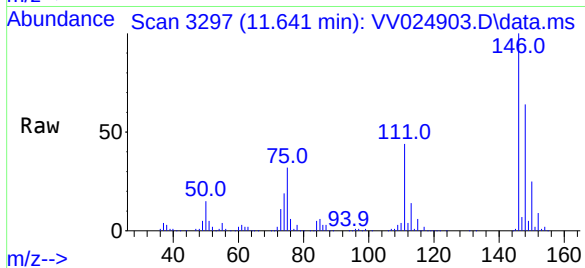
Tgt Ion:146 Resp: 245861

Ion Ratio Lower Upper

146 100

111 44.2 34.9 52.3

148 63.8 51.4 77.2



#68

1,2-Dibromo-3-chloropropane

Concen: 51.882 ug/L

RT: 12.426 min Scan# 3541

Delta R.T. 0.000 min

Lab File: VV024903.D

Acq: 10 Mar 2022 10:07

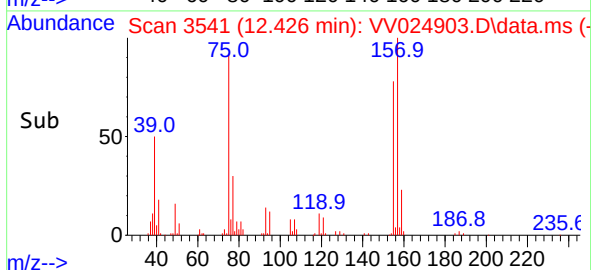
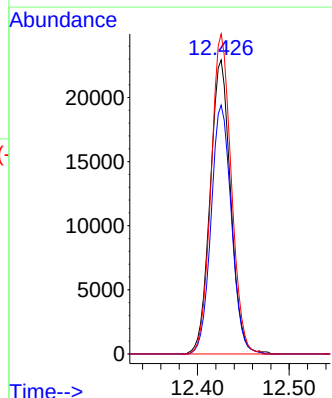
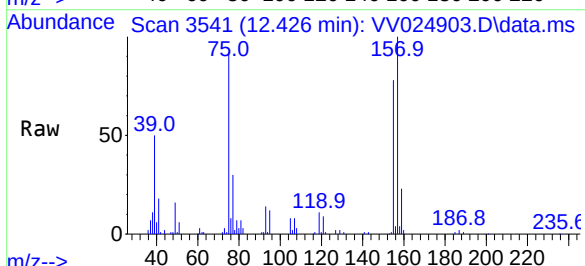
Tgt Ion: 75 Resp: 35656

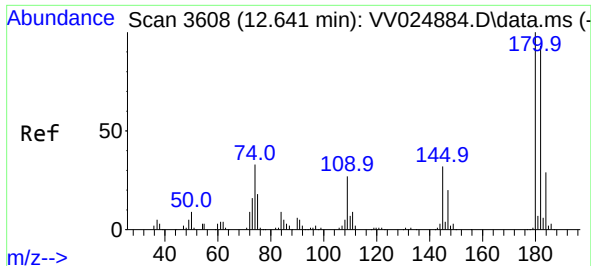
Ion Ratio Lower Upper

75 100

155 84.6 63.8 95.8

157 108.9 79.3 118.9





#69

1,3,5-Trichlorobenzene

Concen: 51.929 ug/L

RT: 12.641 min Scan# 3608

Delta R.T. 0.000 min

Lab File: VV024903.D

Acq: 10 Mar 2022 10:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD050284

Tgt Ion:180 Resp: 168069

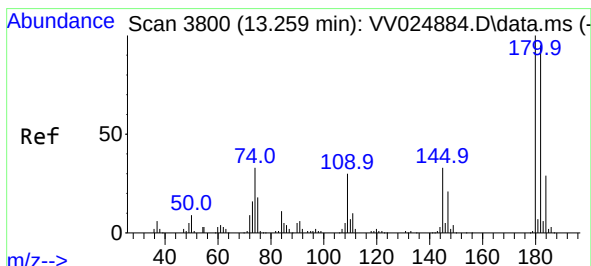
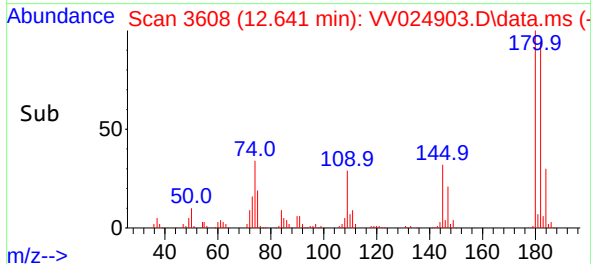
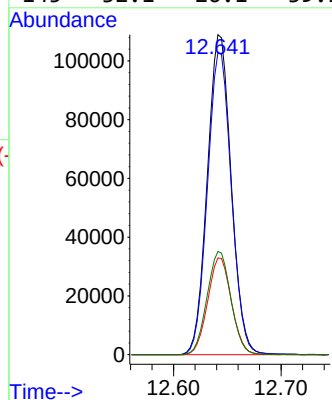
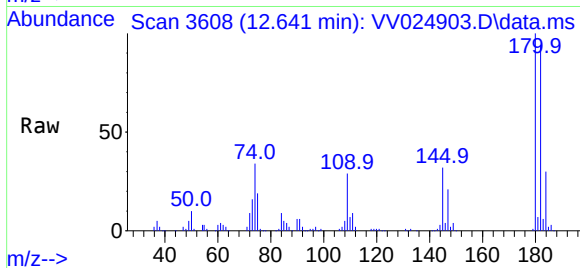
Ion Ratio Lower Upper

180 100

182 94.6 75.1 112.7

184 30.1 23.9 35.9

145 32.1 26.1 39.1



#70

1,2,4-trichlorobenzene

Concen: 52.209 ug/L

RT: 13.259 min Scan# 3800

Delta R.T. 0.000 min

Lab File: VV024903.D

Acq: 10 Mar 2022 10:07

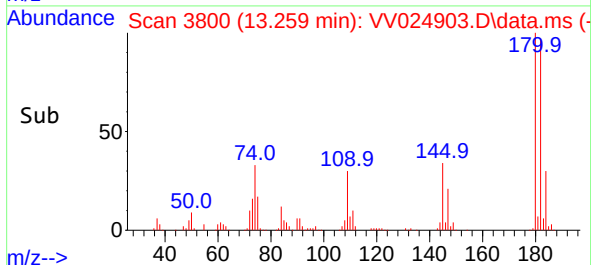
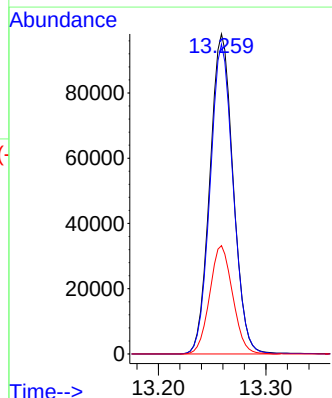
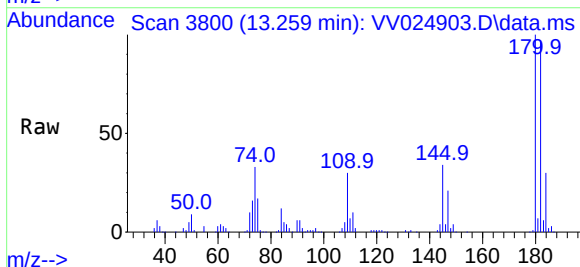
Tgt Ion:180 Resp: 147226

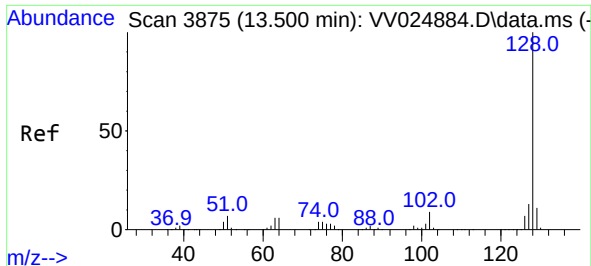
Ion Ratio Lower Upper

180 100

182 95.8 76.0 114.0

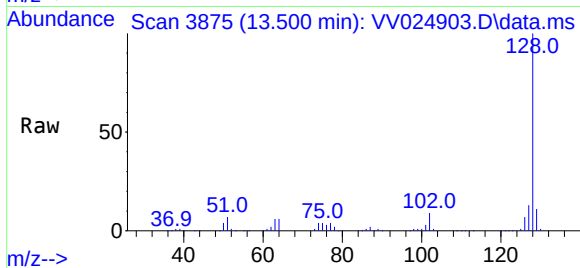
145 33.4 27.6 41.4



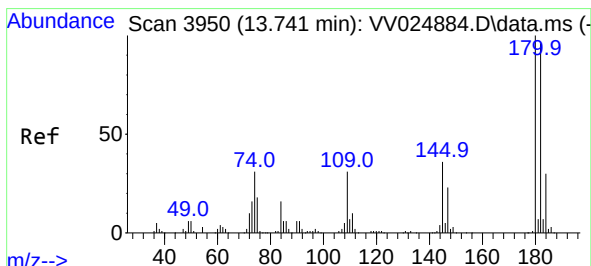
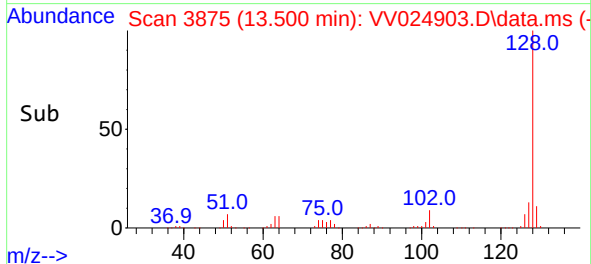
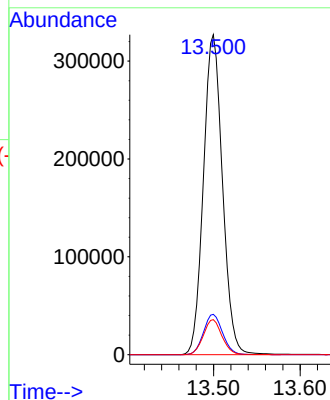


#71
Naphthalene
Concen: 54.650 ug/L
RT: 13.500 min Scan# 3875
Delta R.T. 0.000 min
Lab File: VV024903.D
Acq: 10 Mar 2022 10:07

Instrument :
MSVOA_V
ClientSampleId :
VSTD050284



Tgt Ion:128 Resp: 499311
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.4
129 10.8 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 54.057 ug/L
RT: 13.741 min Scan# 3950
Delta R.T. 0.000 min
Lab File: VV024903.D
Acq: 10 Mar 2022 10:07

Tgt Ion:180 Resp: 150315
Ion Ratio Lower Upper
180 100
182 93.7 75.9 113.9
145 34.9 28.7 43.1

