

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW042723\
 Data File : VW030895.D
 Acq On : 27 Apr 2023 10:18
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050344

Quant Time: Apr 28 00:51:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM041723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 27 04:45:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	251026	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.793	117	246184	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	153340	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	91176	49.546	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.100%
7) Chloroethane-d5	1.536	69	77703	50.388	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.780%
11) 1,1-Dichloroethene-d2	2.063	65	43380	49.708	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.420%
21) 2-Butanone-d5	3.799	46	109215	108.053	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.050%
24) Chloroform-d	4.259	84	174230	52.244	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.480%
26) 1,2-Dichloroethane-d4	4.950	65	118008	55.039	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.080%
32) Benzene-d6	4.966	84	311965	53.598	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.200%
36) 1,2-Dichloropropane-d6	5.995	67	89419	49.458	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.920%
41) Toluene-d8	7.249	98	306127	56.017	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	112.040%
43) trans-1,3-Dichloroprop...	7.558	79	50117	54.997	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	110.000%
47) 2-Hexanone-d5	8.030	63	72493	101.782	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.780%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	137864	52.550	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.100%
66) 1,2-Dichlorobenzene-d4	11.567	152	130603	53.585	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.180%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	109082	50.542	ug/L	98
3) Chloromethane	1.217	50	110563	39.053	ug/L	99
5) Vinyl chloride	1.288	62	100983	44.242	ug/L	100
6) Bromomethane	1.494	94	47292	52.252	ug/L	100
8) Chloroethane	1.555	64	67774	43.291	ug/L	97
9) Trichlorofluoromethane	1.719	101	183171	49.514	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.073	101	96256	49.510	ug/L	98
12) 1,1-Dichloroethene	2.076	96	79758	45.376	ug/L	98
13) Acetone	2.127	43	214493	137.140	ug/L	99
14) Carbon disulfide	2.246	76	179810	36.218	ug/L	99
15) Methyl Acetate	2.381	43	93208	44.657	ug/L	99
16) Methylene chloride	2.455	84	87049	43.277	ug/L	97
17) trans-1,2-Dichloroethene	2.700	96	77566	43.713	ug/L	97
18) Methyl tert-butyl Ether	2.712	73	285707	50.268	ug/L	98
19) 1,1-Dichloroethane	3.118	63	161973	44.771	ug/L	100
20) cis-1,2-Dichloroethene	3.822	96	90736	47.007	ug/L	98
22) 2-Butanone	3.880	43	185453	114.739	ug/L	96
23) Bromochloromethane	4.156	128	50811	47.131	ug/L	94
25) Chloroform	4.285	83	182134	48.640	ug/L	98

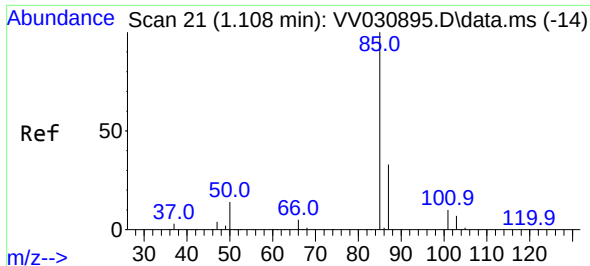
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW042723\
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 Quant Title : VOC Analysis
 QLast Update : Thu Apr 27 04:45:18 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	158292	49.938	ug/L	100
29) Cyclohexane	4.593	56	121644	41.175	ug/L	97
30) 1,1,1-Trichloroethane	4.519	97	166627	48.169	ug/L	99
31) Carbon tetrachloride	4.744	117	150544	48.675	ug/L	99
33) Benzene	5.018	78	345898	46.269	ug/L	100
34) Trichloroethene	5.841	95	90098	46.334	ug/L	95
35) Methylcyclohexane	6.059	83	135153	44.357	ug/L	99
37) 1,2-Dichloropropane	6.101	63	89178	44.320	ug/L	98
38) Bromodichloromethane	6.439	83	133908	47.374	ug/L	99
39) cis-1,3-Dichloropropene	6.960	75	147135	48.720	ug/L	100
40) 4-Methyl-2-pentanone	7.166	43	273035	97.139	ug/L	98
42) Toluene	7.323	91	390068	48.714	ug/L	98
44) trans-1,3-Dichloropropene	7.587	75	148340	49.996	ug/L	100
45) 1,1,2-Trichloroethane	7.773	97	98412	48.775	ug/L	97
46) Tetrachloroethene	7.912	164	83133	48.842	ug/L	98
48) 2-Hexanone	8.082	43	260293	112.234	ug/L	99
49) Dibromochloromethane	8.185	129	108326	48.674	ug/L	100
50) 1,2-Dibromoethane	8.288	107	97426	46.602	ug/L	100
51) Chlorobenzene	8.818	112	259621	48.956	ug/L	98
52) Ethylbenzene	8.953	91	435610	49.140	ug/L	100
53) m,p-Xylene	9.079	106	172959	51.654	ug/L	98
54) o-Xylene	9.484	106	167623	51.172	ug/L	98
55) Styrene	9.503	104	299691	52.084	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.185	83	153895	46.456	ug/L	98
59) Bromoform	9.670	173	91115	47.460	ug/L	99
60) Isopropylbenzene	9.873	105	462428	48.355	ug/L	99
61) 1,2,3-Trichloropropane	10.217	75	122535	44.616	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	381348	48.433	ug/L	97
63) 1,2,4-Trimethylbenzene	10.860	105	381087	48.475	ug/L	99
64) 1,3-Dichlorobenzene	11.124	146	240260	50.181	ug/L	99
65) 1,4-Dichlorobenzene	11.217	146	246931	48.909	ug/L	99
67) 1,2-Dichlorobenzene	11.587	146	240184	49.726	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.371	75	35948	44.179	ug/L	98
69) 1,3,5-Trichlorobenzene	12.590	180	186241	51.494	ug/L	99
70) 1,2,4-trichlorobenzene	13.207	180	162646	52.965	ug/L	99
71) Naphthalene	13.448	128	440285	52.413	ug/L	100
72) 1,2,3-Trichlorobenzene	13.689	180	166368	54.635	ug/L	99

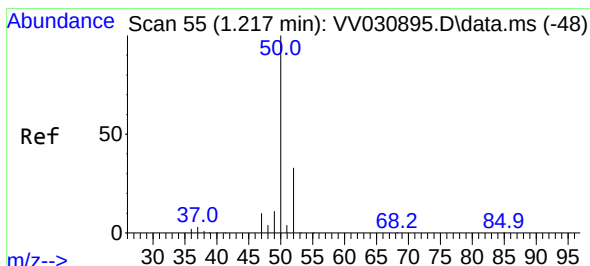
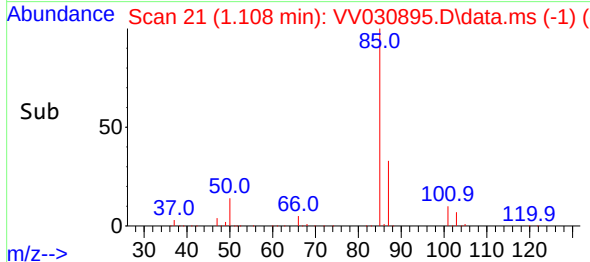
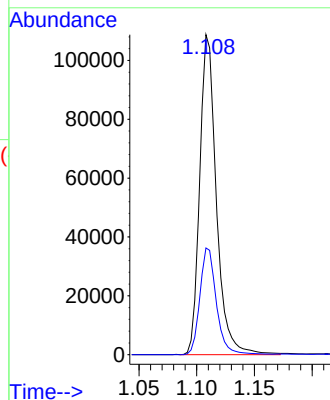
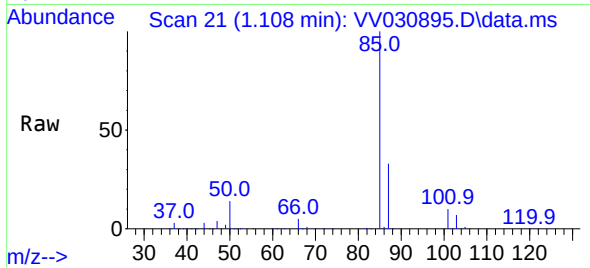
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#2
Dichlorodifluoromethane
Concen: 50.542 ug/L
RT: 1.108 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV030895.D
Acq: 27 Apr 2023 10:18

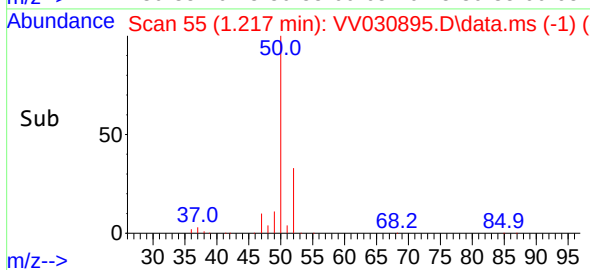
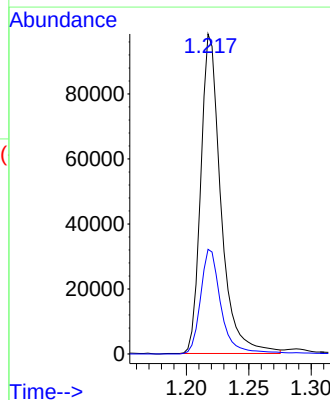
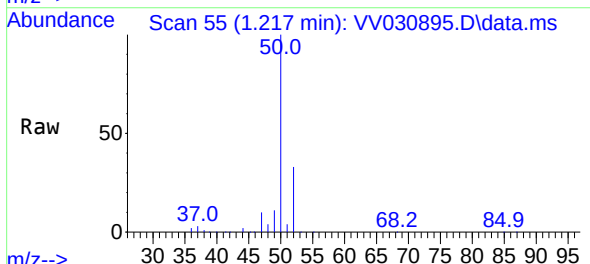
Instrument :
MSVOA_V
ClientSampleId :
VSTD050344

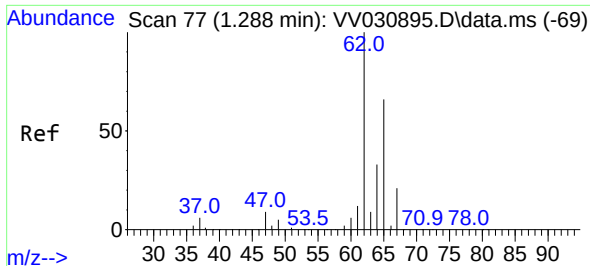
Tgt Ion: 85 Resp: 109082
Ion Ratio Lower Upper
85 100
87 33.0 25.6 38.4



#3
Chloromethane
Concen: 39.053 ug/L
RT: 1.217 min Scan# 55
Delta R.T. 0.000 min
Lab File: VV030895.D
Acq: 27 Apr 2023 10:18

Tgt Ion: 50 Resp: 110563
Ion Ratio Lower Upper
50 100
52 32.7 22.5 41.9

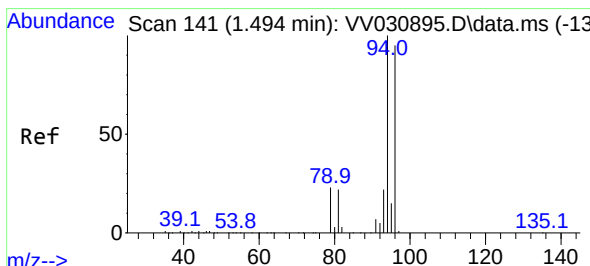
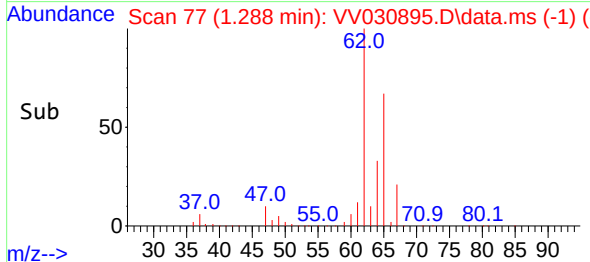
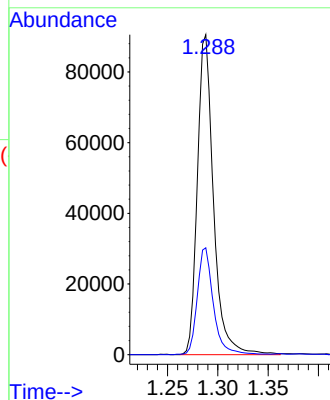
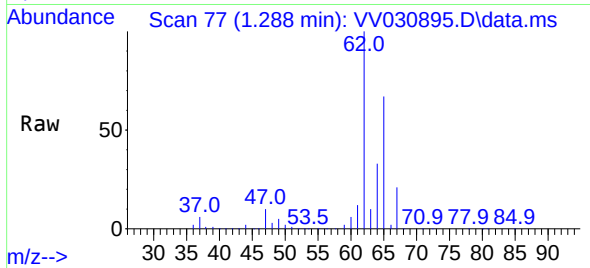




#5
 Vinyl chloride
 Concen: 44.242 ug/L
 RT: 1.288 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VV030895.D
 Acq: 27 Apr 2023 10:18

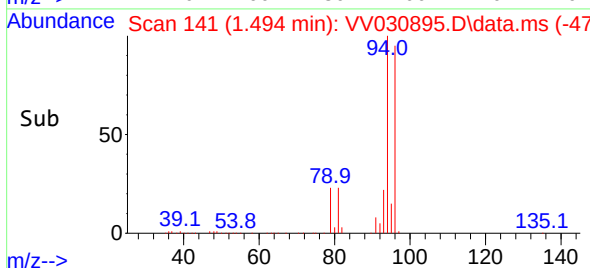
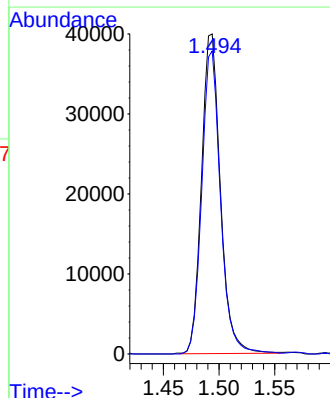
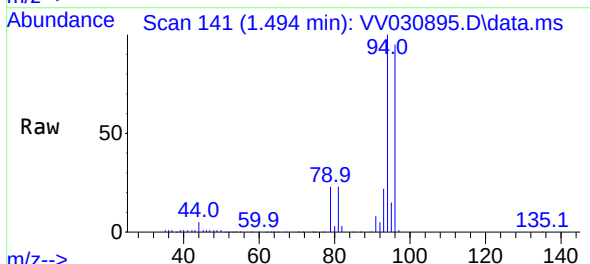
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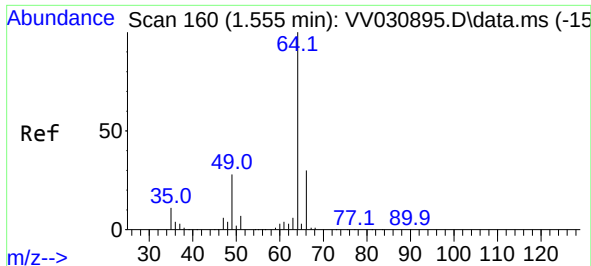
Tgt Ion: 62 Resp: 100983
 Ion Ratio Lower Upper
 62 100
 64 33.4 23.4 43.4



#6
 Bromomethane
 Concen: 52.252 ug/L
 RT: 1.494 min Scan# 141
 Delta R.T. 0.003 min
 Lab File: VV030895.D
 Acq: 27 Apr 2023 10:18

Tgt Ion: 94 Resp: 47292
 Ion Ratio Lower Upper
 94 100
 96 94.7 66.3 123.1

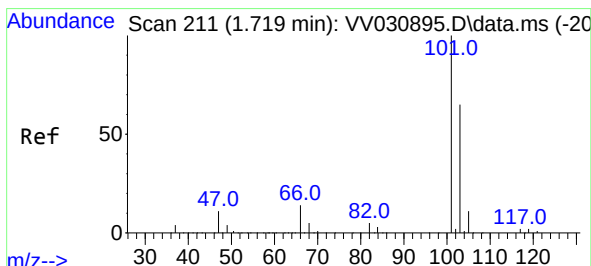
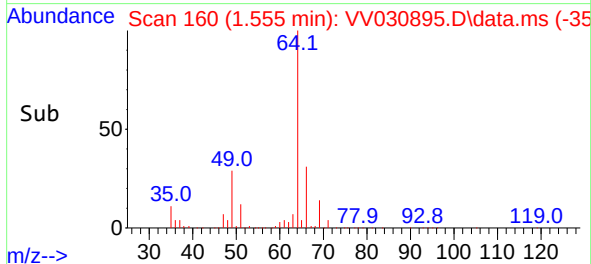
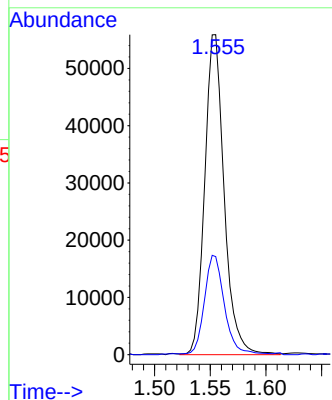
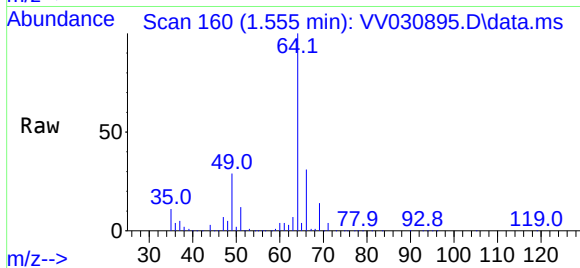




#8
Chloroethane
Concen: 43.291 ug/L
RT: 1.555 min Scan# 160
Delta R.T. 0.003 min
Lab File: VV030895.D
Acq: 27 Apr 2023 10:18

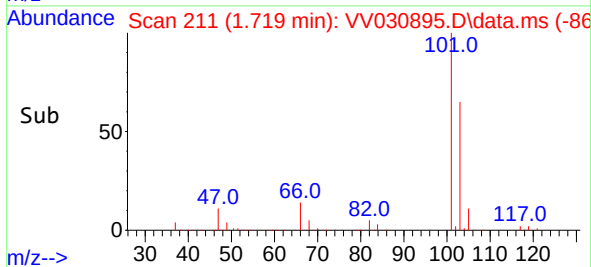
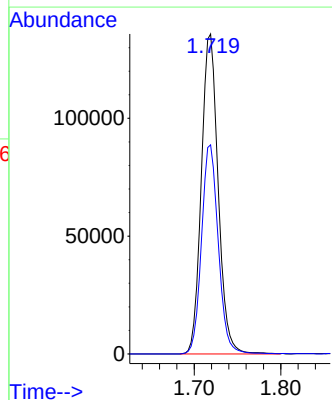
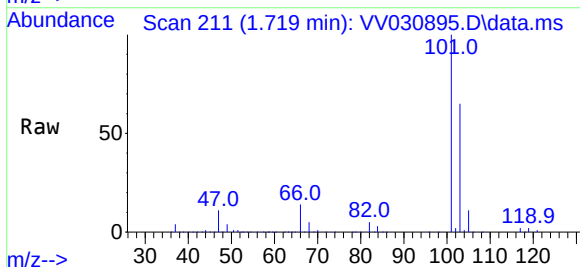
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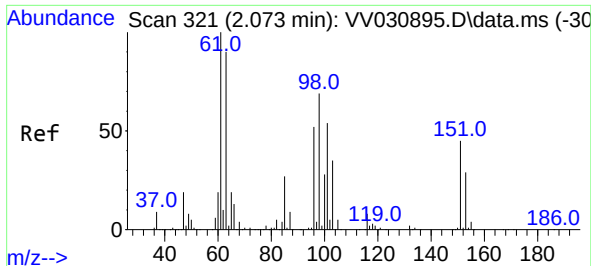
Tgt Ion: 64 Resp: 67774
Ion Ratio Lower Upper
64 100
66 30.6 22.7 42.3



#9
Trichlorofluoromethane
Concen: 49.514 ug/L
RT: 1.719 min Scan# 211
Delta R.T. 0.003 min
Lab File: VV030895.D
Acq: 27 Apr 2023 10:18

Tgt Ion:101 Resp: 183171
Ion Ratio Lower Upper
101 100
103 65.3 51.4 77.0

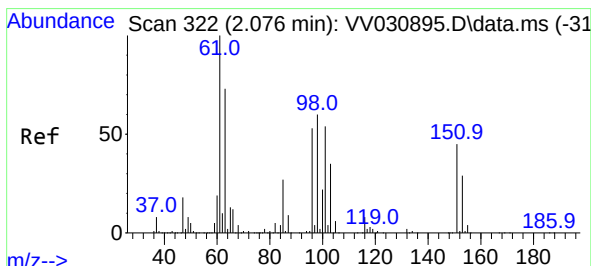
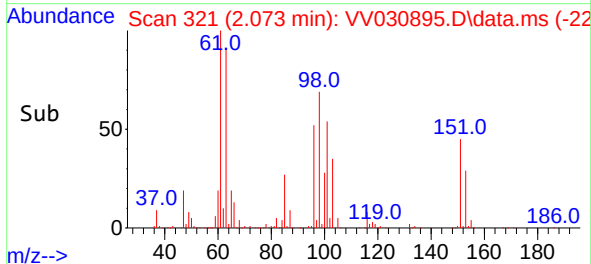
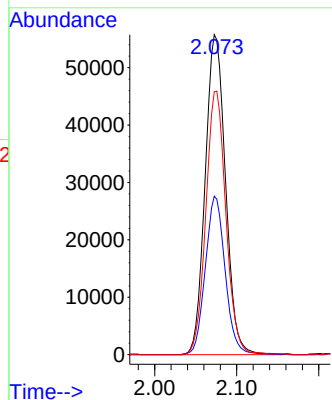
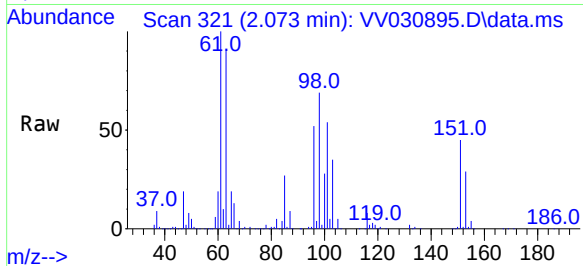




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 49.510 ug/L
RT: 2.073 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV030895.D
Acq: 27 Apr 2023 10:18

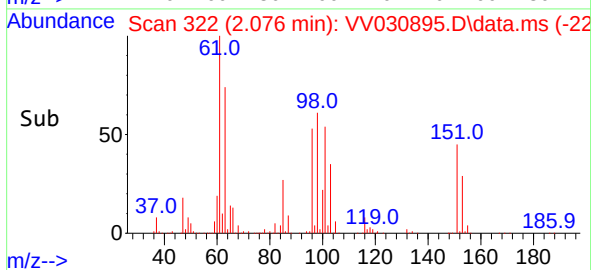
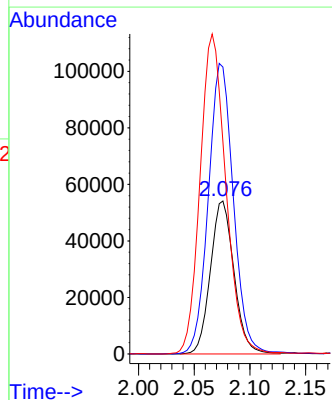
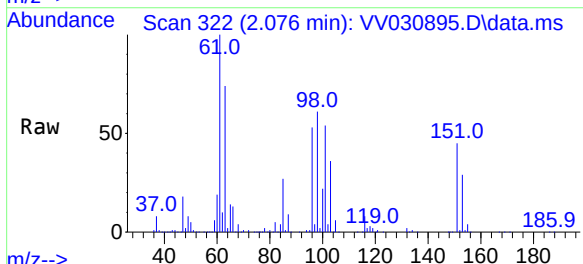
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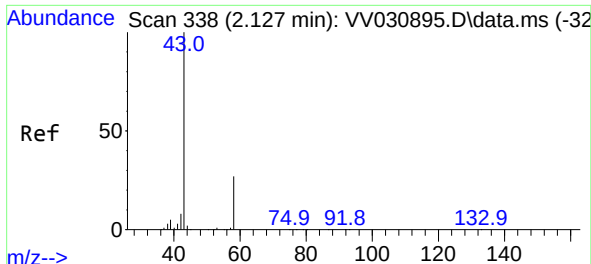
Tgt Ion:101 Resp: 96256
Ion Ratio Lower Upper
101 100
85 48.3 37.5 56.3
151 81.2 63.5 95.3



#12
1,1-Dichloroethene
Concen: 45.376 ug/L
RT: 2.076 min Scan# 322
Delta R.T. 0.003 min
Lab File: VV030895.D
Acq: 27 Apr 2023 10:18

Tgt Ion: 96 Resp: 79758
Ion Ratio Lower Upper
96 100
61 187.5 131.9 245.0
63 138.6 99.8 185.3





#13

Acetone

Concen: 137.140 ug/L

RT: 2.127 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV030895.D

Acq: 27 Apr 2023 10:18

Instrument :

MSVOA_V

ClientSampleId :

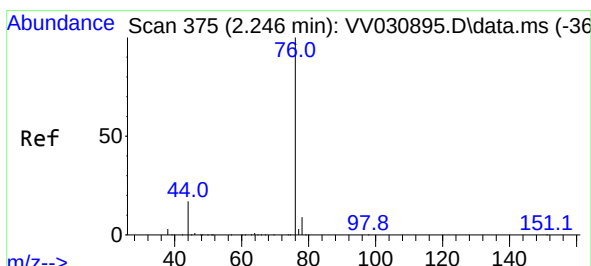
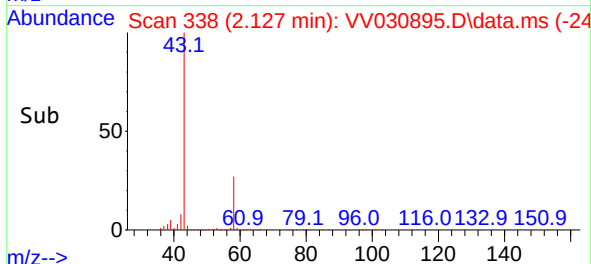
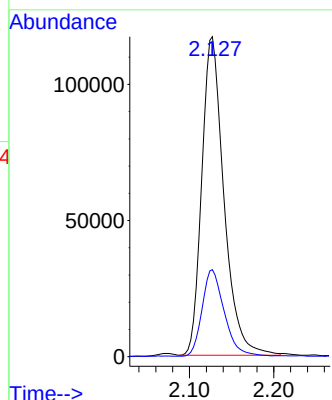
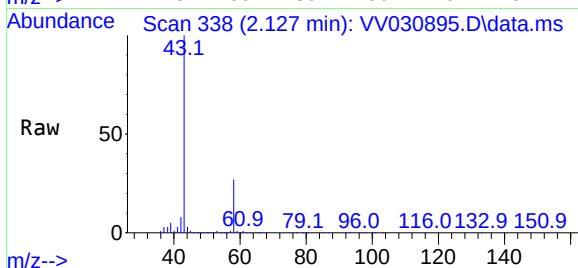
VSTD050344

Tgt Ion: 43 Resp: 214493

Ion Ratio Lower Upper

43 100

58 27.2 0.0 52.8



#14

Carbon disulfide

Concen: 36.218 ug/L

RT: 2.246 min Scan# 375

Delta R.T. 0.000 min

Lab File: VV030895.D

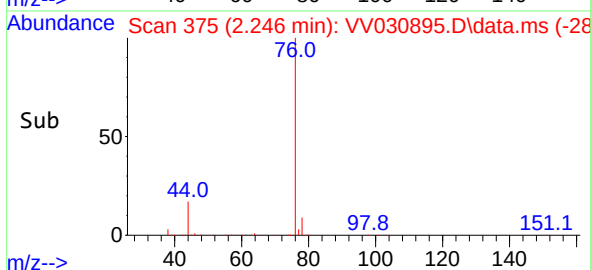
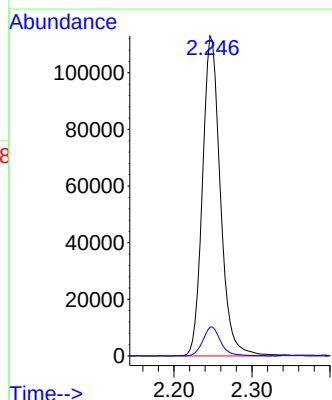
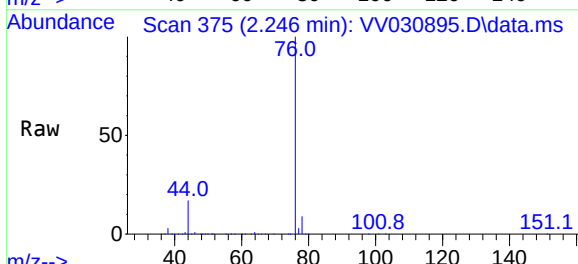
Acq: 27 Apr 2023 10:18

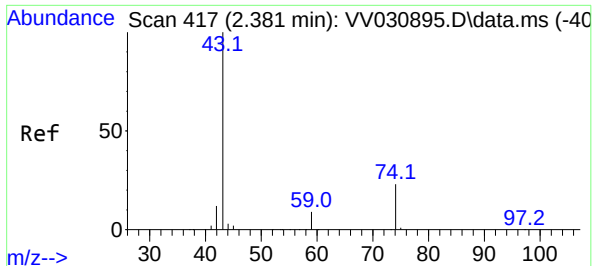
Tgt Ion: 76 Resp: 179810

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.4

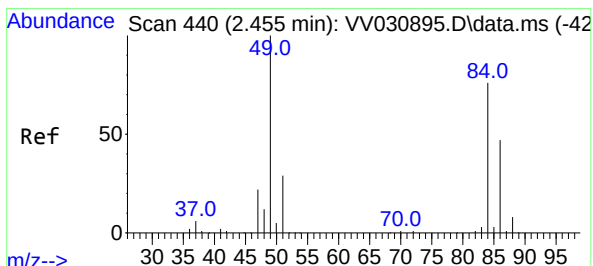
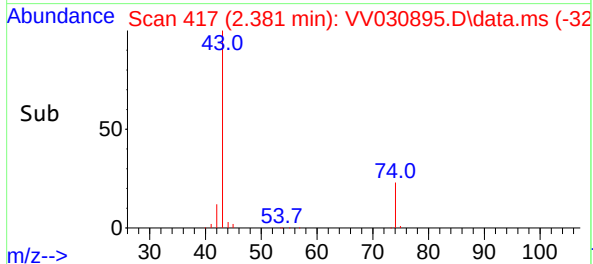
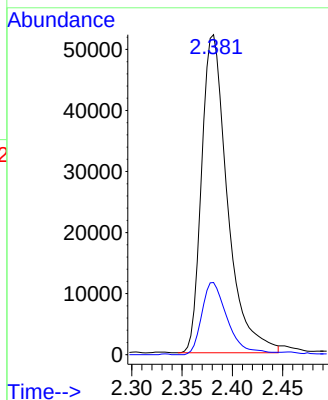
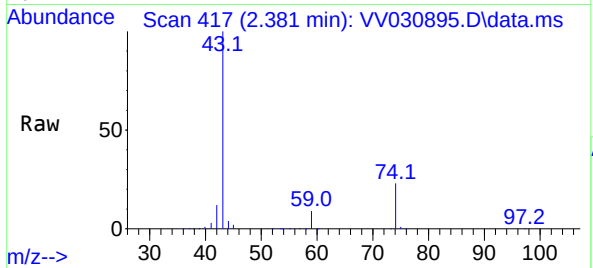




#15
Methyl Acetate
Concen: 44.657 ug/L
RT: 2.381 min Scan# 417
Delta R.T. 0.003 min
Lab File: VV030895.D
Acq: 27 Apr 2023 10:18

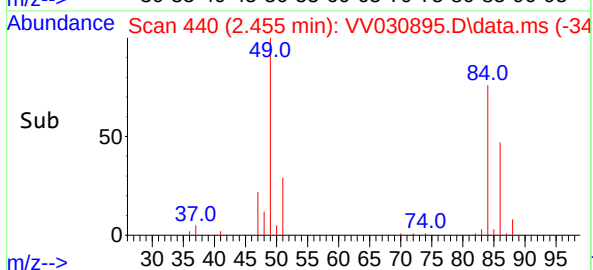
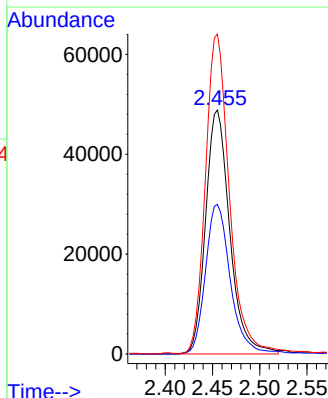
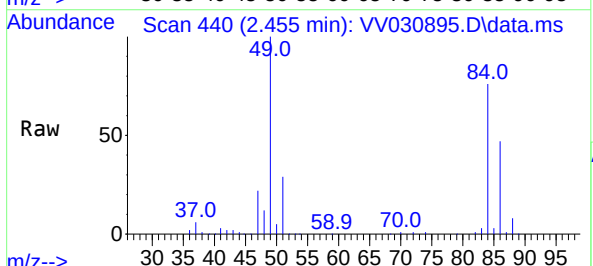
Instrument :
MSVOA_V
ClientSampleId :
VSTD050344

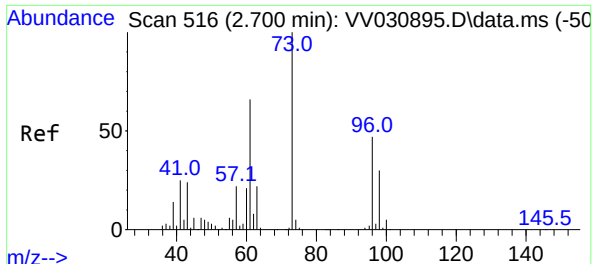
Tgt Ion: 43 Resp: 93208
Ion Ratio Lower Upper
43 100
74 22.8 17.7 26.5



#16
Methylene chloride
Concen: 43.277 ug/L
RT: 2.455 min Scan# 440
Delta R.T. 0.003 min
Lab File: VV030895.D
Acq: 27 Apr 2023 10:18

Tgt Ion: 84 Resp: 87049
Ion Ratio Lower Upper
84 100
86 61.3 45.4 84.2
49 131.1 90.4 168.0





#17

trans-1,2-Dichloroethene

Concen: 43.713 ug/L

RT: 2.700 min Scan# 51

Delta R.T. 0.000 min

Lab File: VV030895.D

Acq: 27 Apr 2023 10:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD050344

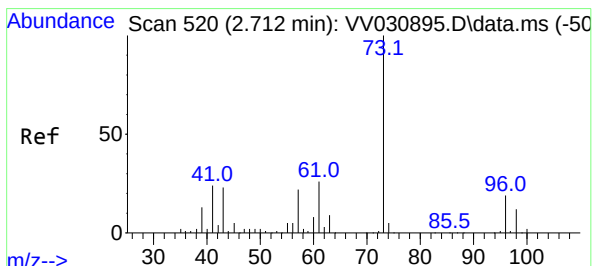
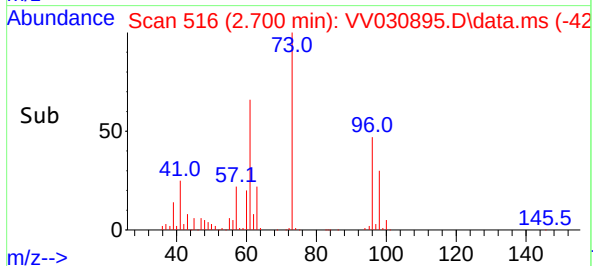
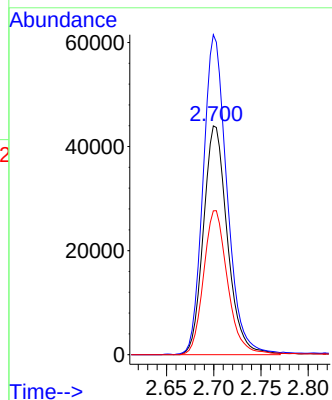
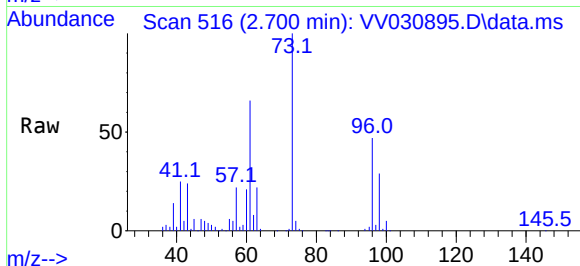
Tgt Ion: 96 Resp: 77566

Ion Ratio Lower Upper

96 100

61 139.9 101.0 187.6

98 62.9 45.4 84.2



#18

Methyl tert-butyl Ether

Concen: 50.268 ug/L

RT: 2.712 min Scan# 520

Delta R.T. 0.003 min

Lab File: VV030895.D

Acq: 27 Apr 2023 10:18

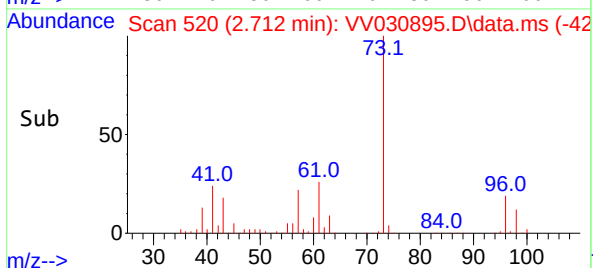
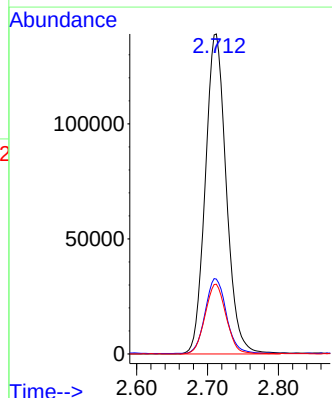
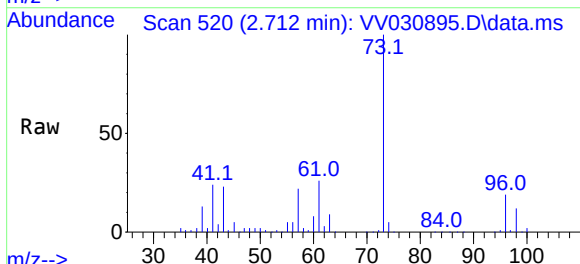
Tgt Ion: 73 Resp: 285707

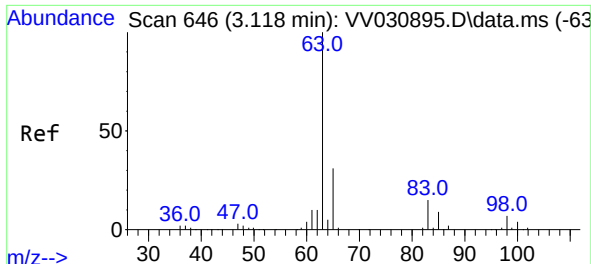
Ion Ratio Lower Upper

73 100

43 23.4 17.6 26.4

57 21.8 18.2 27.2

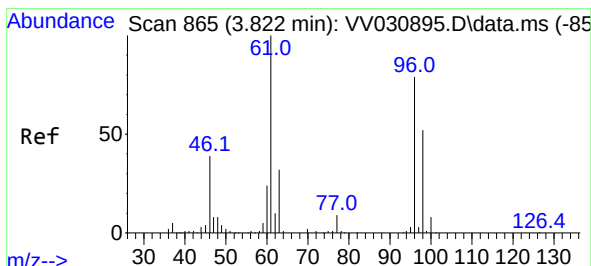
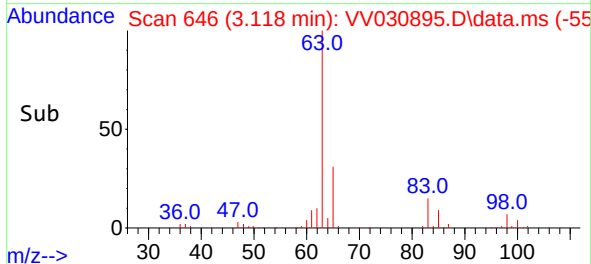
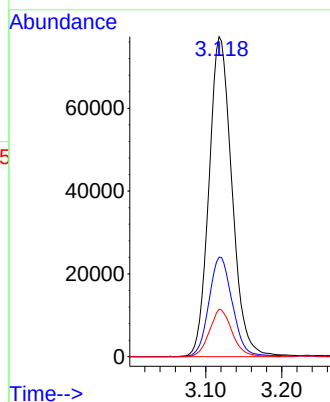
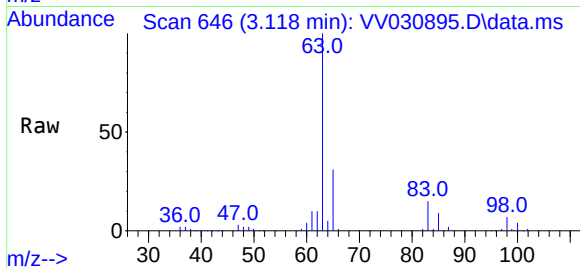




#19
1,1-Dichloroethane
Concen: 44.771 ug/L
RT: 3.118 min Scan# 646
Delta R.T. 0.000 min
Lab File: VV030895.D
Acq: 27 Apr 2023 10:18

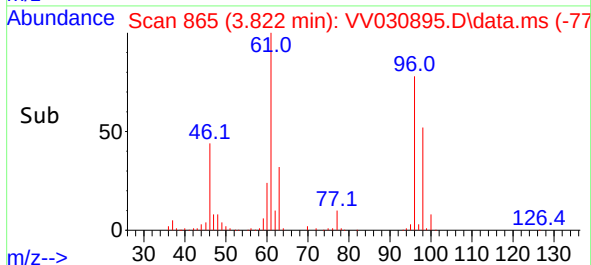
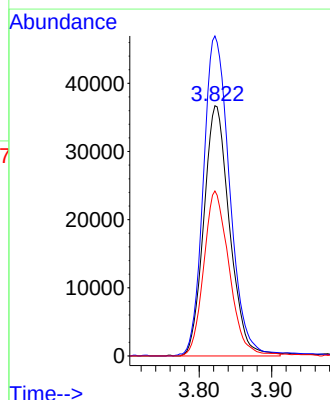
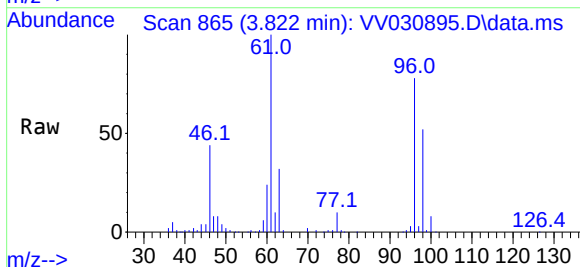
Instrument :
MSVOA_V
ClientSampleId :
VSTD050344

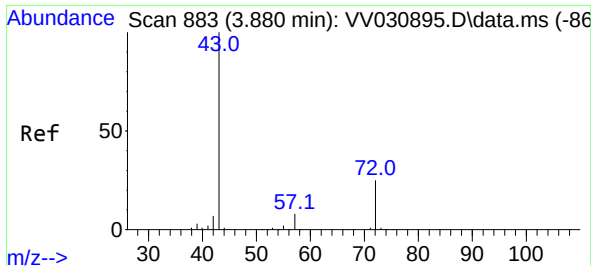
Tgt Ion: 63 Resp: 161973
Ion Ratio Lower Upper
63 100
65 31.1 21.8 40.6
83 14.9 10.2 19.0



#20
cis-1,2-Dichloroethene
Concen: 47.007 ug/L
RT: 3.822 min Scan# 865
Delta R.T. 0.000 min
Lab File: VV030895.D
Acq: 27 Apr 2023 10:18

Tgt Ion: 96 Resp: 90736
Ion Ratio Lower Upper
96 100
61 127.8 92.3 171.3
98 65.9 45.9 85.3

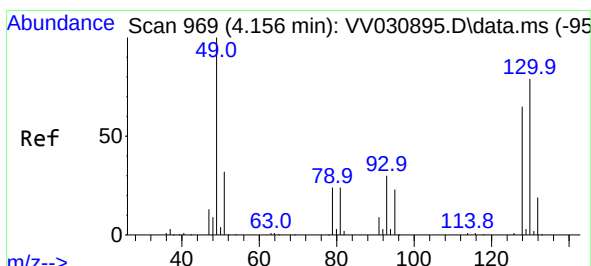
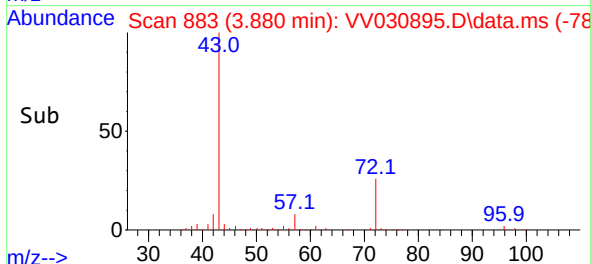
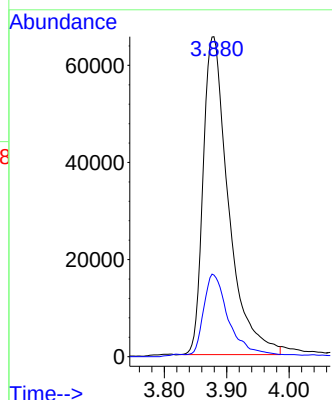
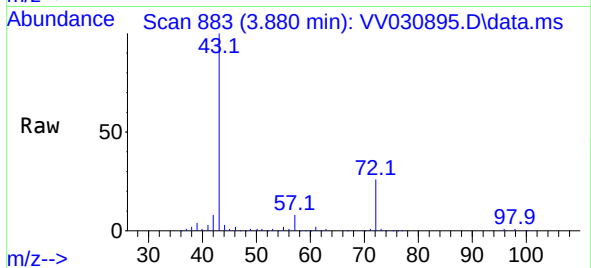




#22
2-Butanone
Concen: 114.739 ug/L
RT: 3.880 min Scan# 883
Delta R.T. 0.003 min
Lab File: VV030895.D
Acq: 27 Apr 2023 10:18

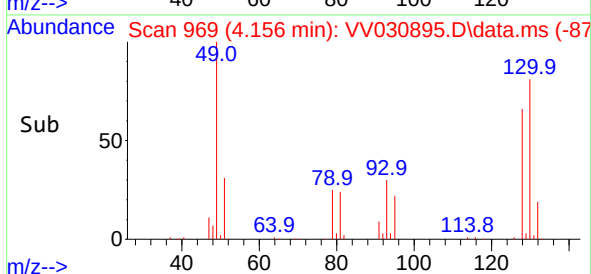
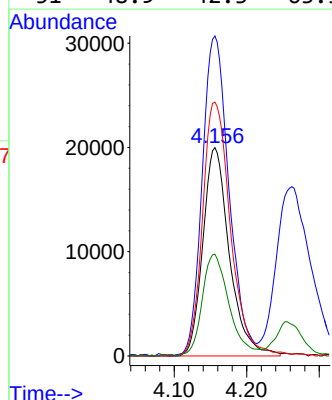
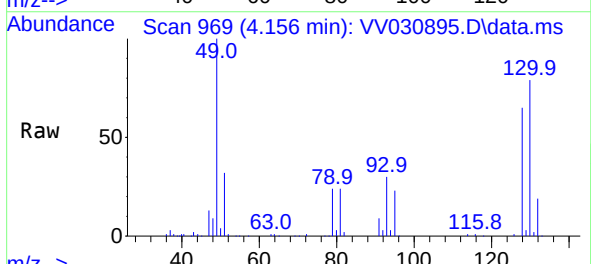
Instrument :
MSVOA_V
ClientSampleId :
VSTD050344

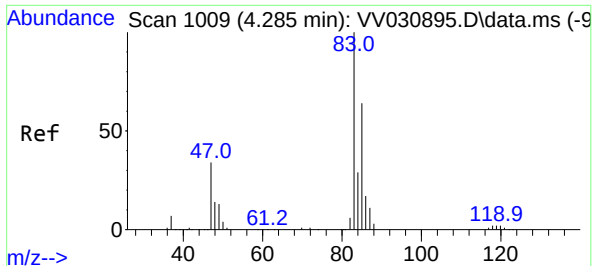
Tgt Ion: 43 Resp: 185453
Ion Ratio Lower Upper
43 100
72 25.0 11.5 34.4



#23
Bromochloromethane
Concen: 47.131 ug/L
RT: 4.156 min Scan# 969
Delta R.T. 0.003 min
Lab File: VV030895.D
Acq: 27 Apr 2023 10:18

Tgt Ion:128 Resp: 50811
Ion Ratio Lower Upper
128 100
49 153.7 114.7 213.1
130 121.9 89.0 165.2
51 48.9 42.3 63.5

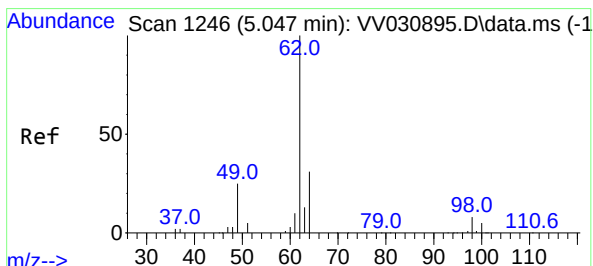
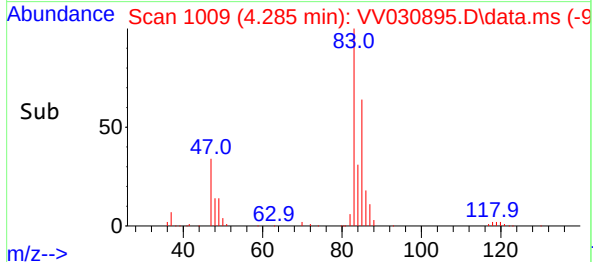
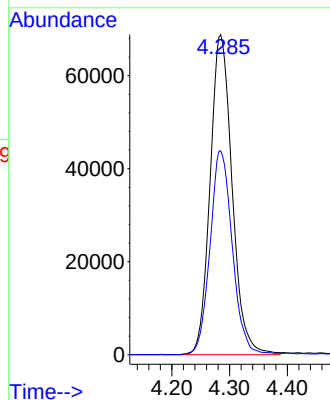
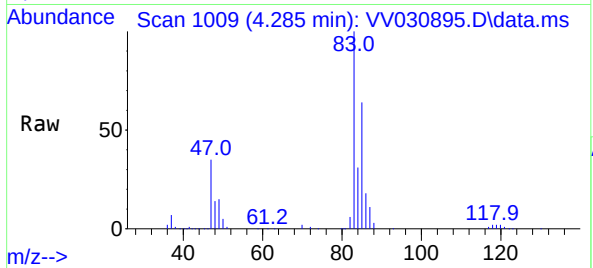




#25
Chloroform
Concen: 48.640 ug/L
RT: 4.285 min Scan# 1009
Delta R.T. 0.000 min
Lab File: VV030895.D
Acq: 27 Apr 2023 10:18

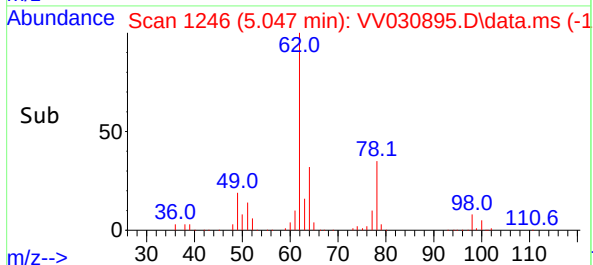
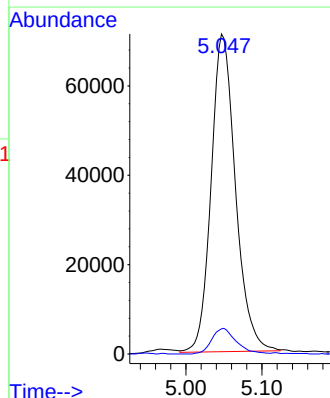
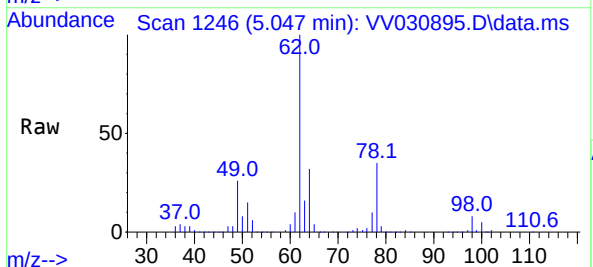
Instrument :
MSVOA_V
ClientSampleId :
VSTD050344

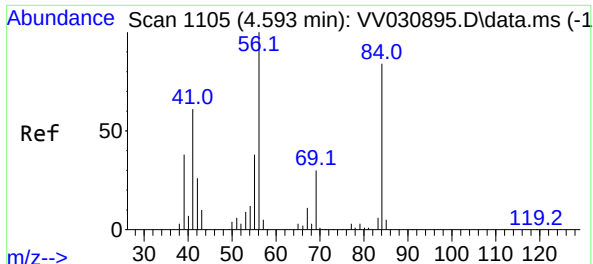
Tgt Ion: 83 Resp: 182134
Ion Ratio Lower Upper
83 100
85 63.7 45.8 85.2



#27
1,2-Dichloroethane
Concen: 49.938 ug/L
RT: 5.047 min Scan# 1246
Delta R.T. 0.000 min
Lab File: VV030895.D
Acq: 27 Apr 2023 10:18

Tgt Ion: 62 Resp: 158292
Ion Ratio Lower Upper
62 100
98 7.8 6.4 9.6





#29

Cyclohexane

Concen: 41.175 ug/L

RT: 4.593 min Scan# 1105

Delta R.T. 0.003 min

Lab File: VV030895.D

Acq: 27 Apr 2023 10:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD050344

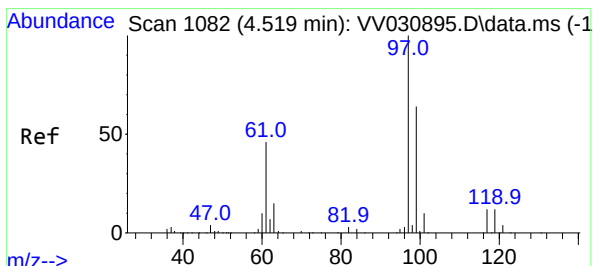
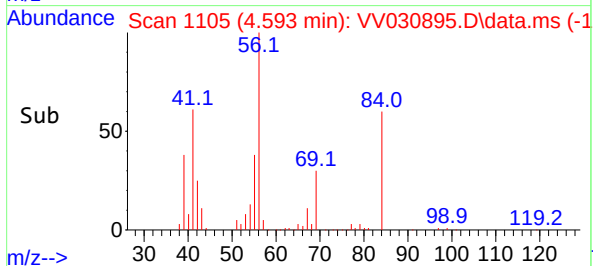
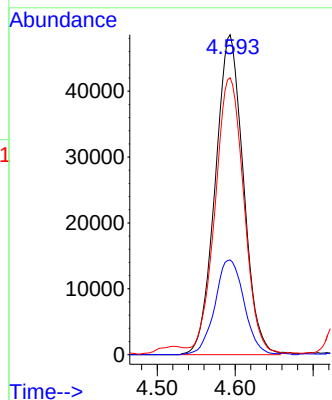
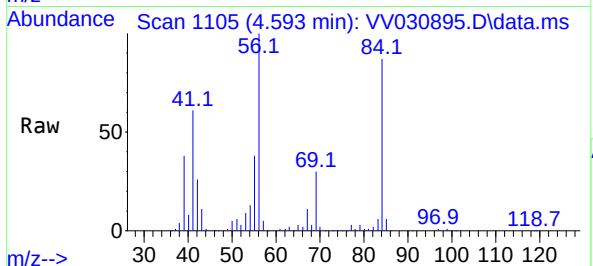
Tgt Ion: 56 Resp: 121644

Ion Ratio Lower Upper

56 100

69 30.7 24.0 36.0

84 88.3 68.2 102.2



#30

1,1,1-Trichloroethane

Concen: 48.169 ug/L

RT: 4.519 min Scan# 1082

Delta R.T. 0.000 min

Lab File: VV030895.D

Acq: 27 Apr 2023 10:18

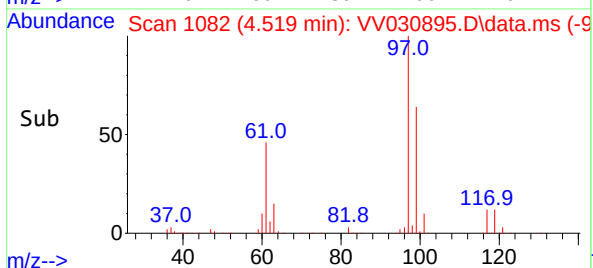
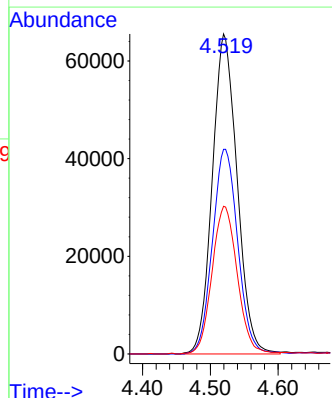
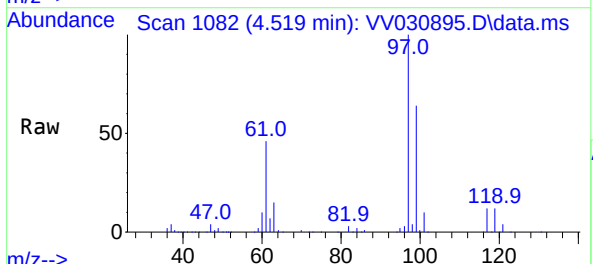
Tgt Ion: 97 Resp: 166627

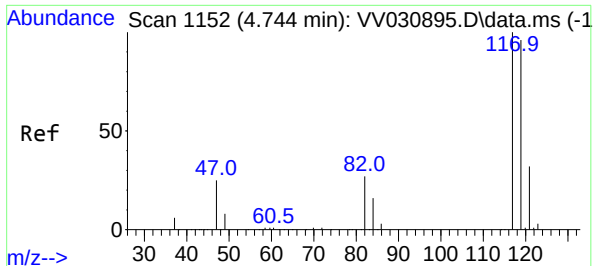
Ion Ratio Lower Upper

97 100

99 65.2 51.4 77.0

61 46.9 37.0 55.6

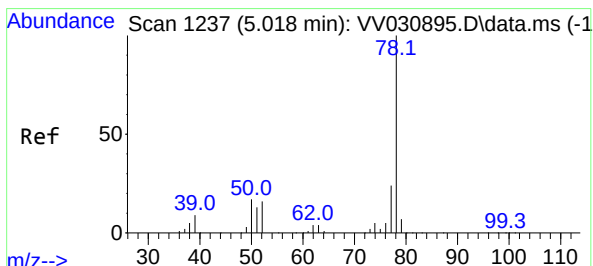
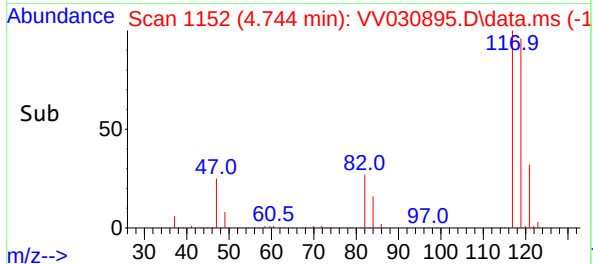
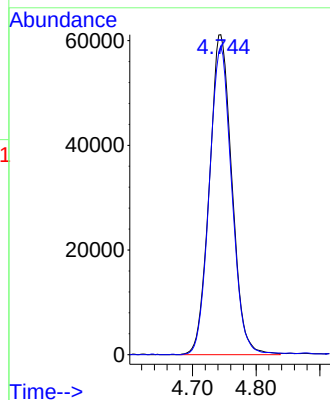
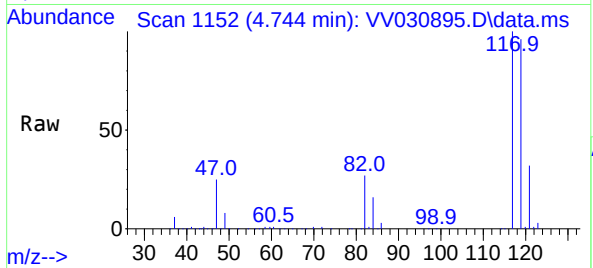




#31
Carbon tetrachloride
Concen: 48.675 ug/L
RT: 4.744 min Scan# 1152
Delta R.T. 0.000 min
Lab File: VV030895.D
Acq: 27 Apr 2023 10:18

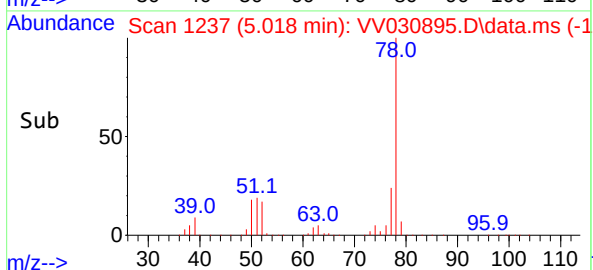
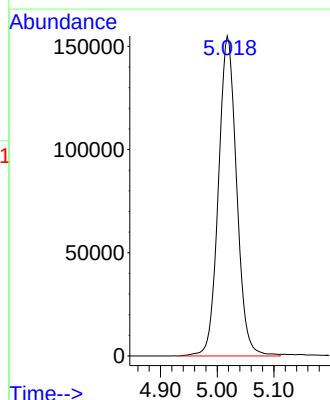
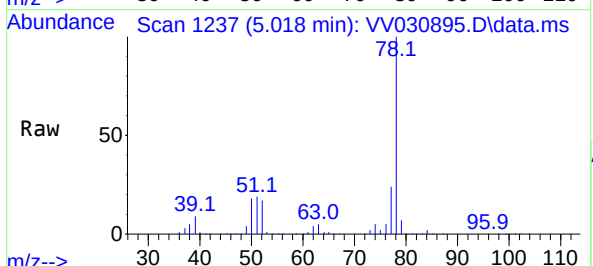
Instrument :
MSVOA_V
ClientSampleId :
VSTD050344

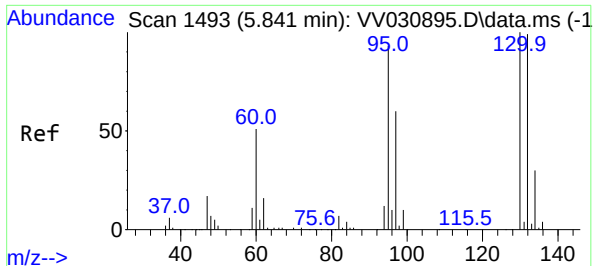
Tgt Ion:117 Resp: 150544
Ion Ratio Lower Upper
117 100
119 95.4 75.9 113.9



#33
Benzene
Concen: 46.269 ug/L
RT: 5.018 min Scan# 1237
Delta R.T. 0.000 min
Lab File: VV030895.D
Acq: 27 Apr 2023 10:18

Tgt Ion: 78 Resp: 345898

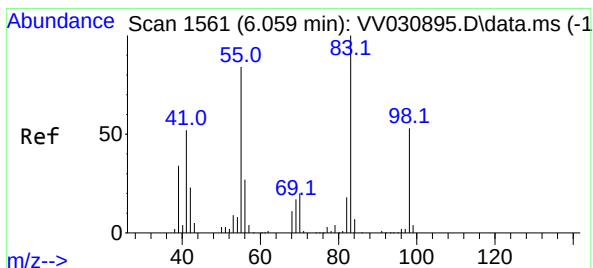
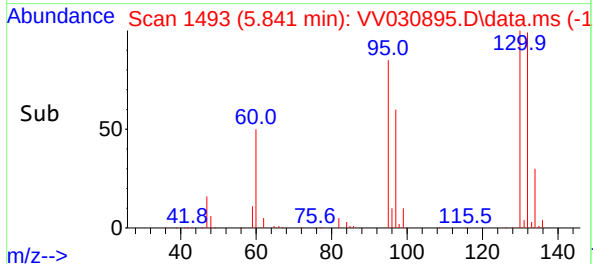
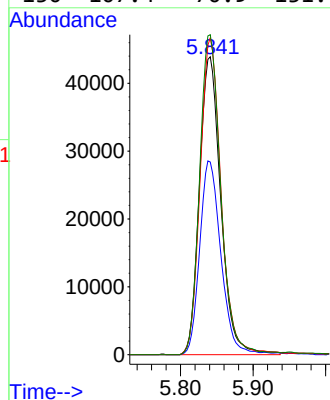
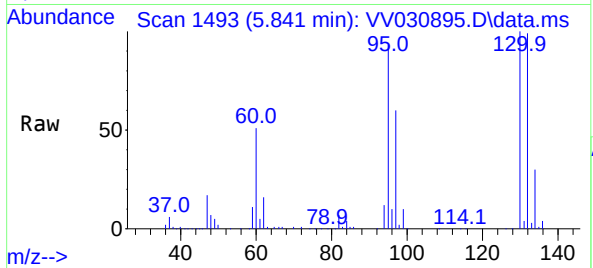




#34
Trichloroethene
Concen: 46.334 ug/L
RT: 5.841 min Scan# 1493
Delta R.T. 0.003 min
Lab File: VV030895.D
Acq: 27 Apr 2023 10:18

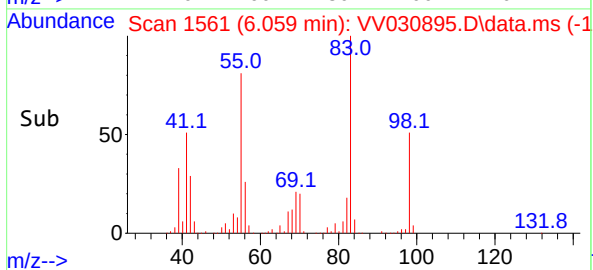
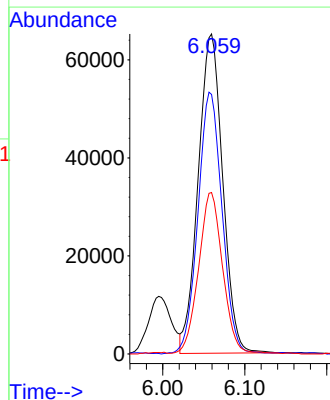
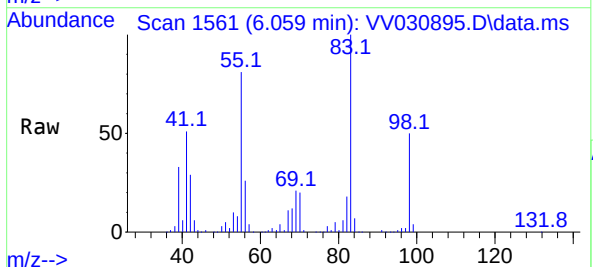
Instrument :
MSVOA_V
ClientSampleId :
VSTD050344

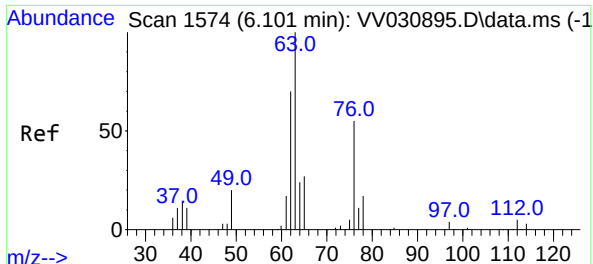
Tgt Ion: 95 Resp: 90098
Ion Ratio Lower Upper
95 100
97 64.6 45.8 85.2
132 106.3 70.6 131.2
130 107.4 70.9 131.7



#35
Methylcyclohexane
Concen: 44.357 ug/L
RT: 6.059 min Scan# 1561
Delta R.T. 0.003 min
Lab File: VV030895.D
Acq: 27 Apr 2023 10:18

Tgt Ion: 83 Resp: 135153
Ion Ratio Lower Upper
83 100
55 80.8 65.5 98.3
98 49.0 38.7 58.1

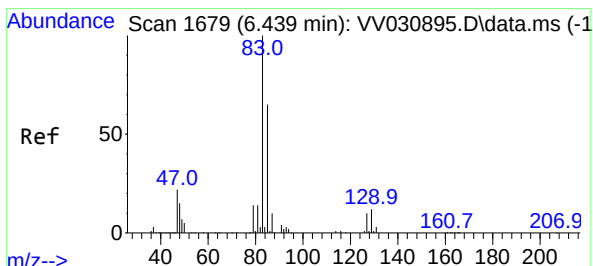
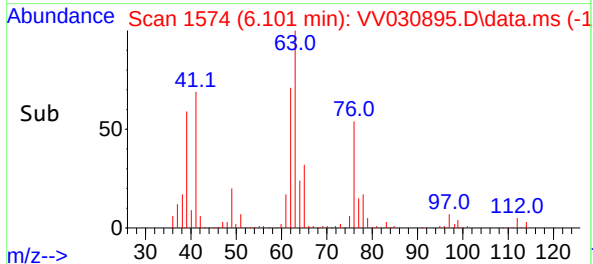
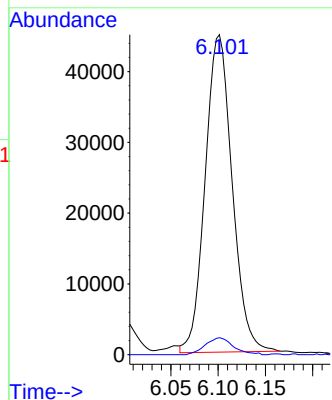
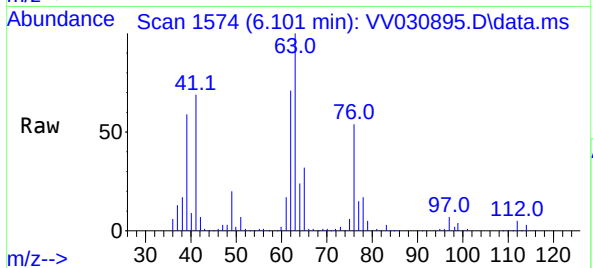




#37
1,2-Dichloropropane
Concen: 44.320 ug/L
RT: 6.101 min Scan# 1574
Delta R.T. 0.003 min
Lab File: VV030895.D
Acq: 27 Apr 2023 10:18

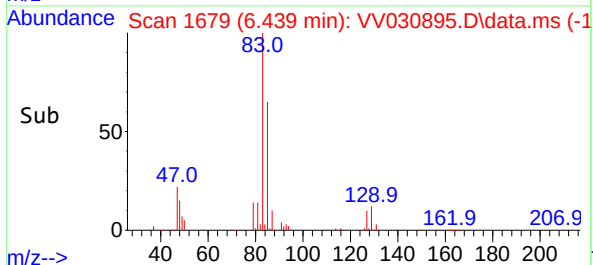
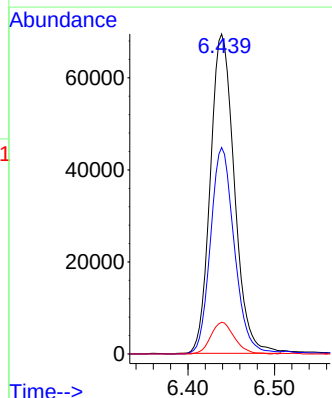
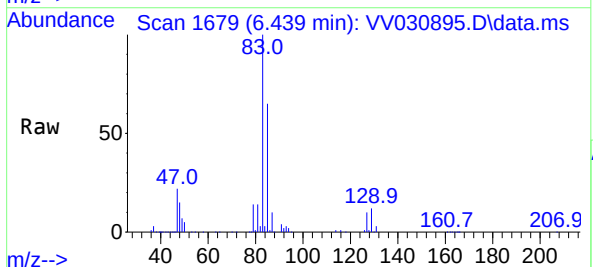
Instrument :
MSVOA_V
ClientSampleId :
VSTD050344

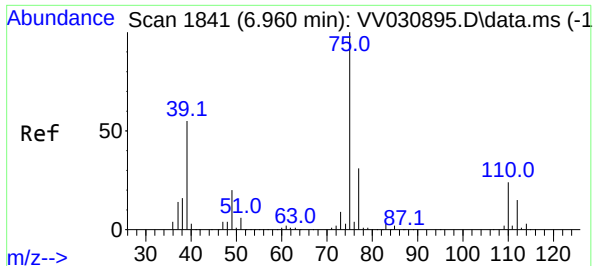
Tgt Ion: 63 Resp: 89178
Ion Ratio Lower Upper
63 100
112 5.5 3.8 5.8



#38
Bromodichloromethane
Concen: 47.374 ug/L
RT: 6.439 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VV030895.D
Acq: 27 Apr 2023 10:18

Tgt Ion: 83 Resp: 133908
Ion Ratio Lower Upper
83 100
85 64.5 45.4 84.4
127 9.9 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 48.720 ug/L

RT: 6.960 min Scan# 1841

Delta R.T. 0.000 min

Lab File: VV030895.D

Acq: 27 Apr 2023 10:18

Instrument :

MSVOA_V

ClientSampleId :

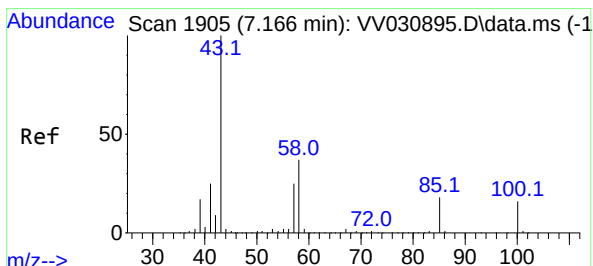
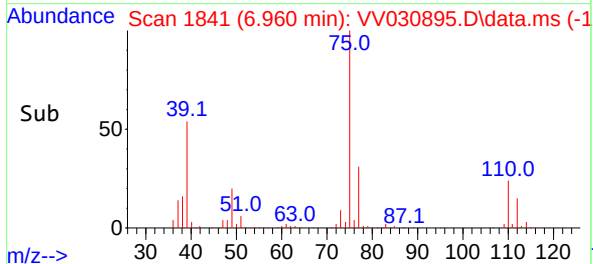
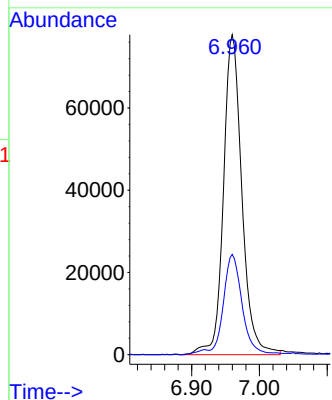
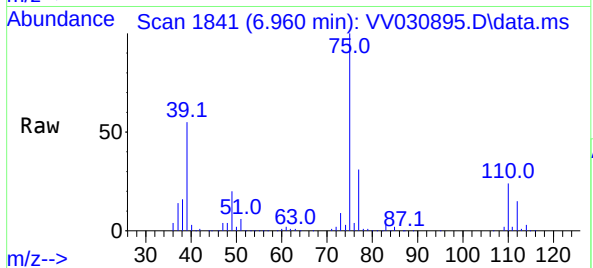
VSTD050344

Tgt Ion: 75 Resp: 147135

Ion Ratio Lower Upper

75 100

77 31.4 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 97.139 ug/L

RT: 7.166 min Scan# 1905

Delta R.T. 0.000 min

Lab File: VV030895.D

Acq: 27 Apr 2023 10:18

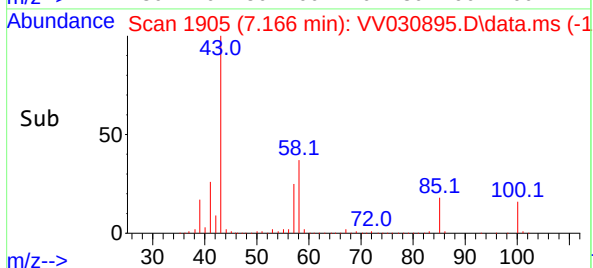
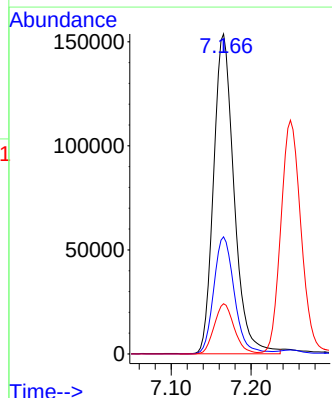
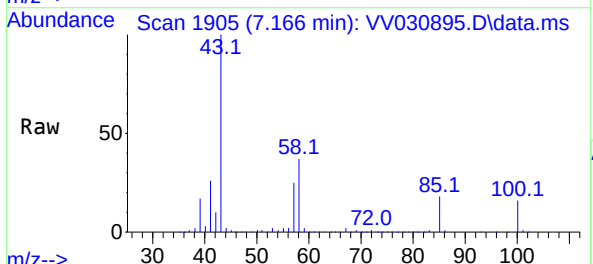
Tgt Ion: 43 Resp: 273035

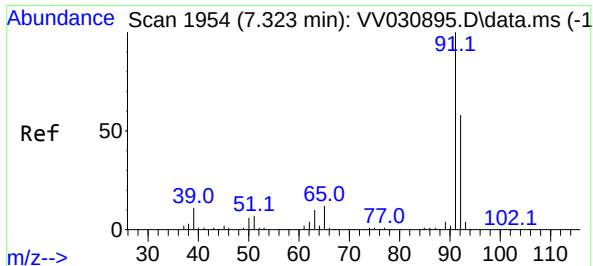
Ion Ratio Lower Upper

43 100

58 37.1 29.2 43.8

100 15.3 11.3 16.9





#42

Toluene

Concen: 48.714 ug/L

RT: 7.323 min Scan# 1954

Delta R.T. 0.003 min

Lab File: VV030895.D

Acq: 27 Apr 2023 10:18

Instrument :

MSVOA_V

ClientSampleId :

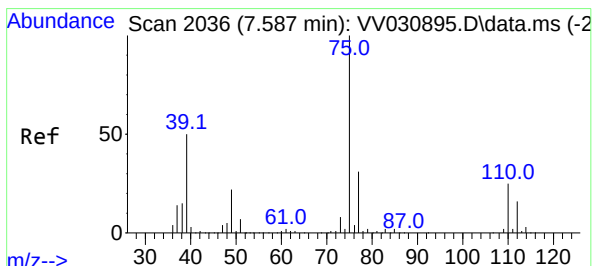
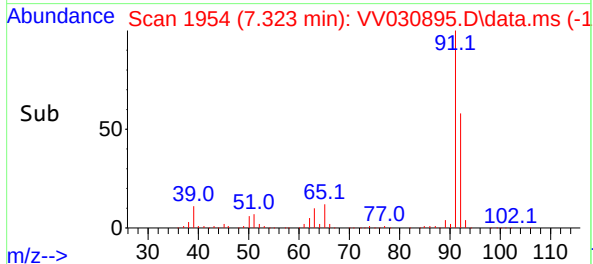
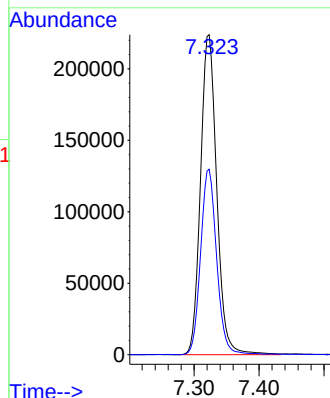
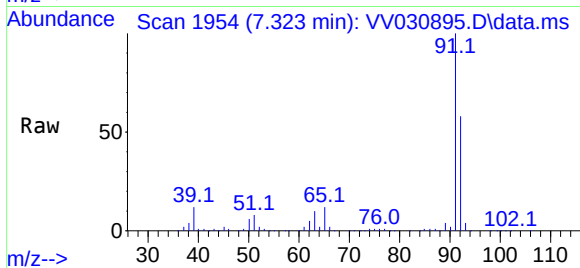
VSTD050344

Tgt Ion: 91 Resp: 390068

Ion Ratio Lower Upper

91 100

92 57.9 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 49.996 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. 0.000 min

Lab File: VV030895.D

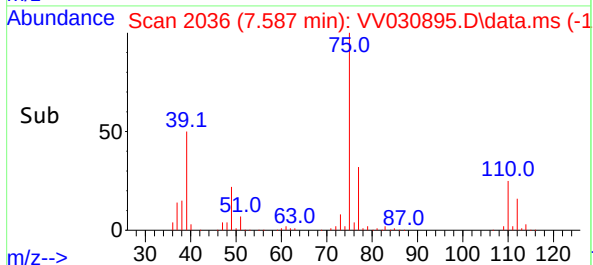
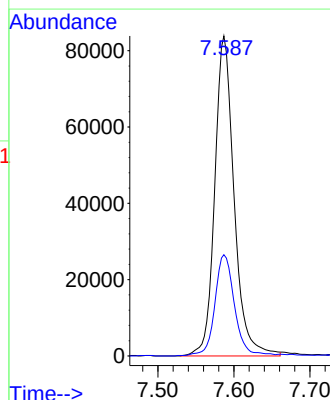
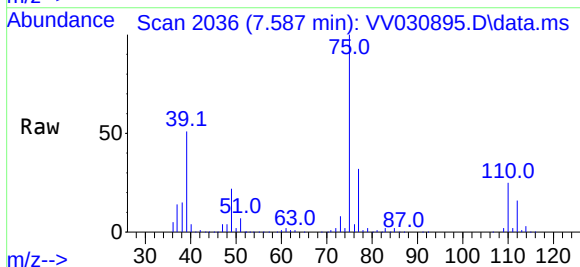
Acq: 27 Apr 2023 10:18

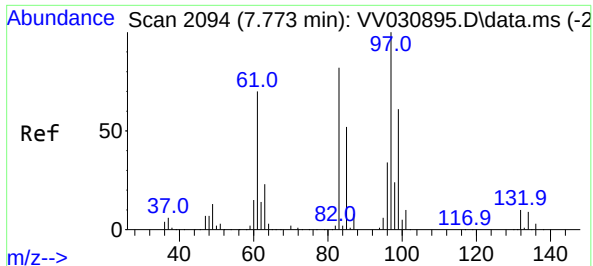
Tgt Ion: 75 Resp: 148340

Ion Ratio Lower Upper

75 100

77 31.7 22.1 41.1



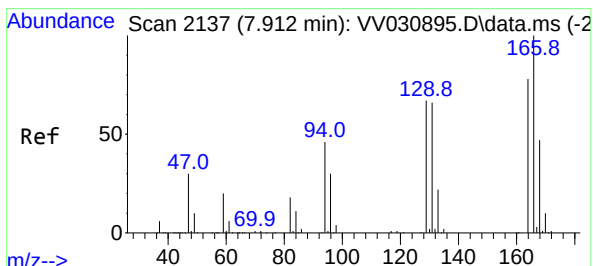
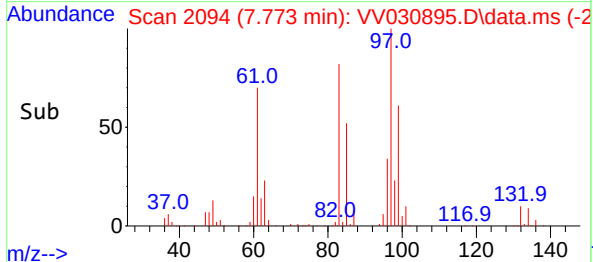
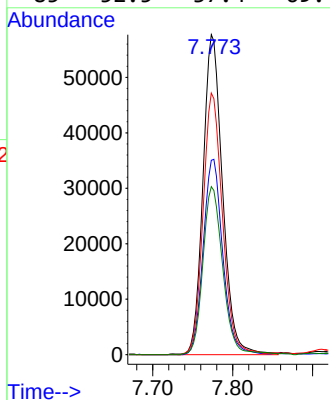
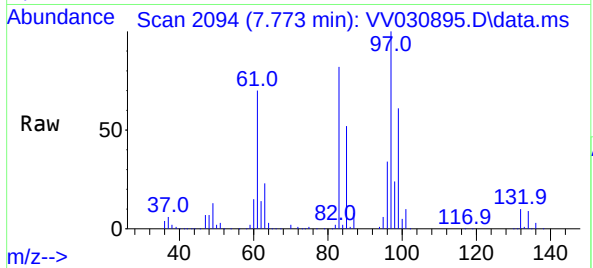


#45
1,1,2-Trichloroethane
Concen: 48.775 ug/L
RT: 7.773 min Scan# 2094
Delta R.T. 0.000 min
Lab File: VV030895.D
Acq: 27 Apr 2023 10:18

Instrument :
MSVOA_V
ClientSampleId :
VSTD050344

Tgt Ion: 97 Resp: 98412

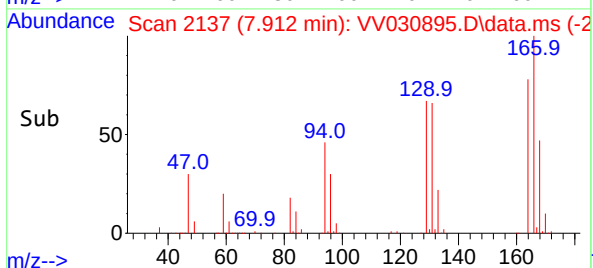
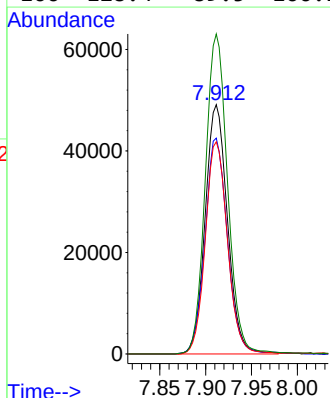
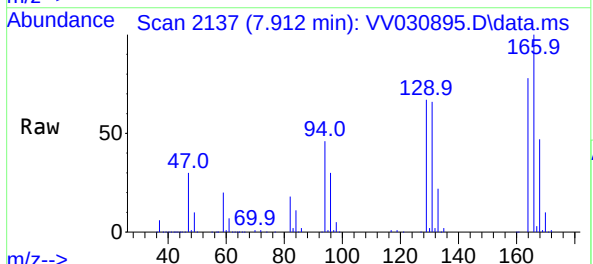
Ion	Ratio	Lower	Upper
97	100		
99	60.7	43.8	81.4
83	81.8	59.6	110.6
85	52.5	37.4	69.4

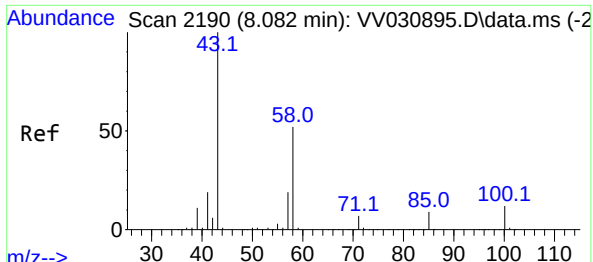


#46
Tetrachloroethene
Concen: 48.842 ug/L
RT: 7.912 min Scan# 2137
Delta R.T. 0.000 min
Lab File: VV030895.D
Acq: 27 Apr 2023 10:18

Tgt Ion: 164 Resp: 83133

Ion	Ratio	Lower	Upper
164	100		
129	86.5	63.8	118.6
131	85.1	60.3	111.9
166	128.4	89.5	166.1

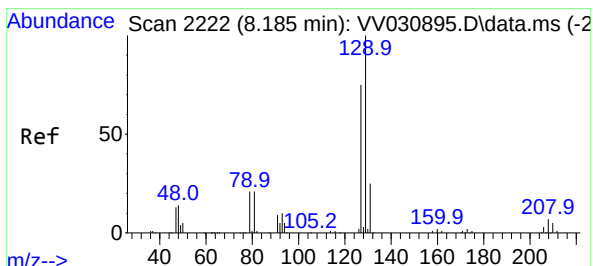
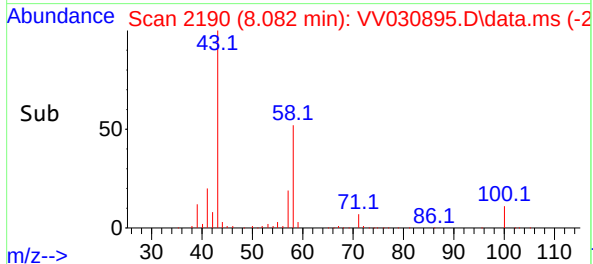
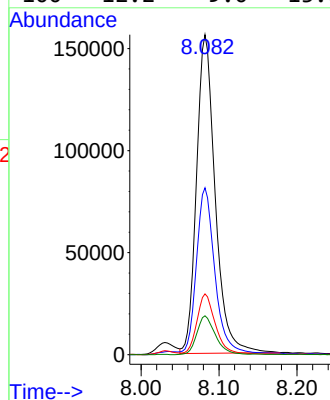
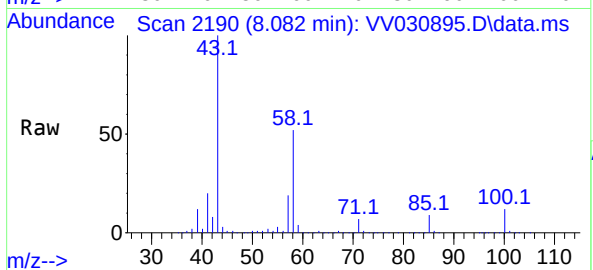




#48
2-Hexanone
Concen: 112.234 ug/L
RT: 8.082 min Scan# 2190
Delta R.T. 0.000 min
Lab File: VV030895.D
Acq: 27 Apr 2023 10:18

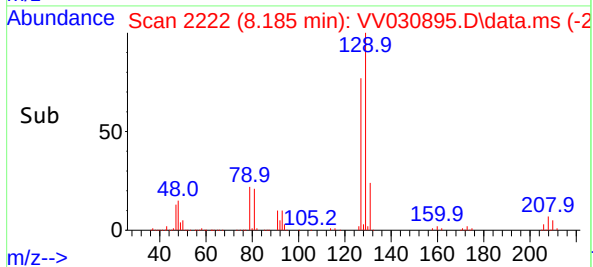
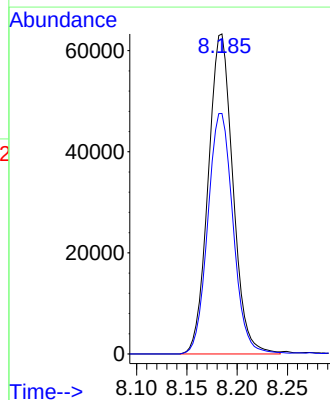
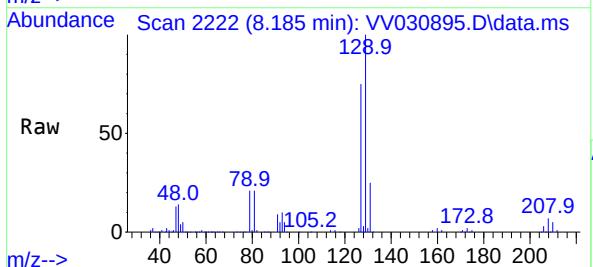
Instrument :
MSVOA_V
ClientSampleId :
VSTD050344

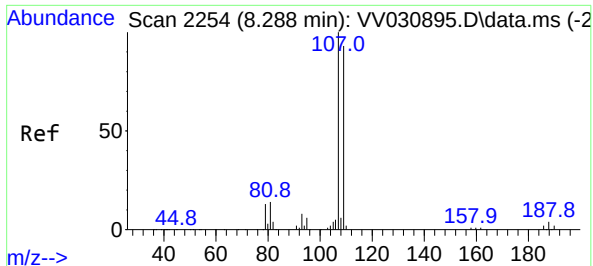
Tgt Ion: 43 Resp: 260293
Ion Ratio Lower Upper
43 100
58 51.1 41.4 62.0
57 18.3 14.9 22.3
100 12.2 9.0 13.6



#49
Dibromochloromethane
Concen: 48.674 ug/L
RT: 8.185 min Scan# 2222
Delta R.T. 0.003 min
Lab File: VV030895.D
Acq: 27 Apr 2023 10:18

Tgt Ion: 129 Resp: 108326
Ion Ratio Lower Upper
129 100
127 75.1 52.8 98.2





#50

1,2-Dibromoethane

Concen: 46.602 ug/L

RT: 8.288 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV030895.D

Acq: 27 Apr 2023 10:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD050344

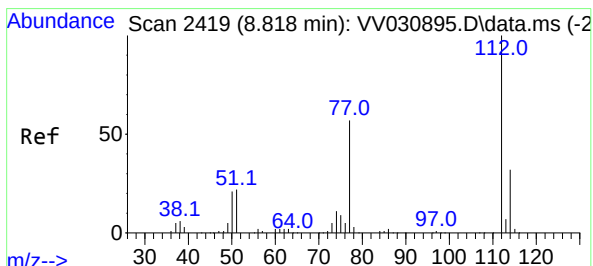
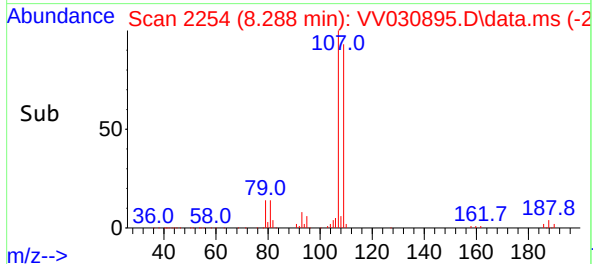
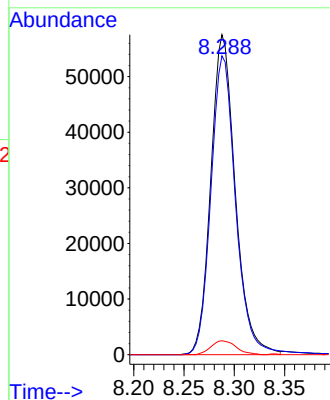
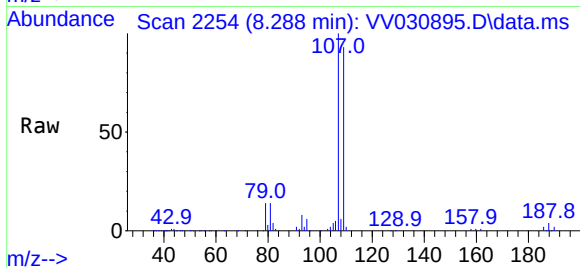
Tgt Ion:107 Resp: 97426

Ion Ratio Lower Upper

107 100

109 93.4 65.7 121.9

188 4.3 3.2 4.8



#51

Chlorobenzene

Concen: 48.956 ug/L

RT: 8.818 min Scan# 2419

Delta R.T. 0.000 min

Lab File: VV030895.D

Acq: 27 Apr 2023 10:18

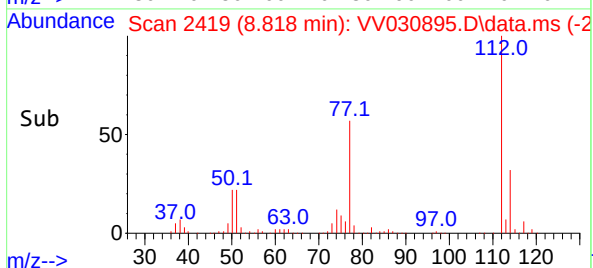
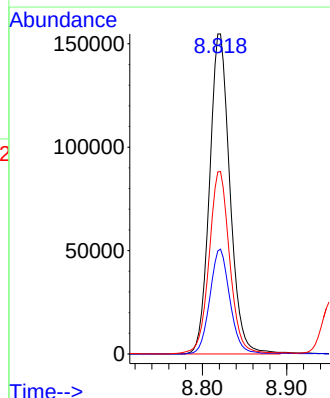
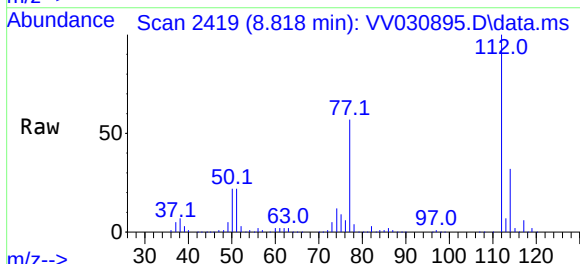
Tgt Ion:112 Resp: 259621

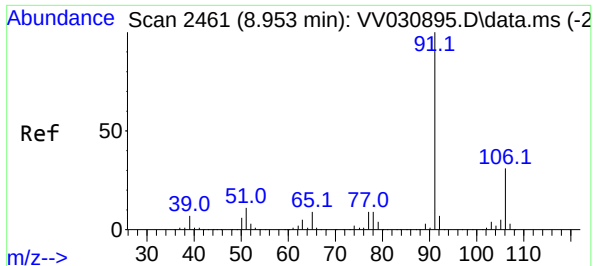
Ion Ratio Lower Upper

112 100

114 32.2 22.4 41.6

77 56.9 47.4 71.0

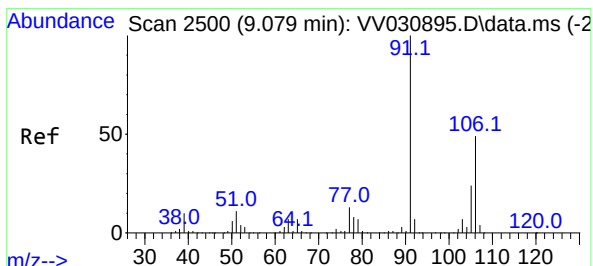
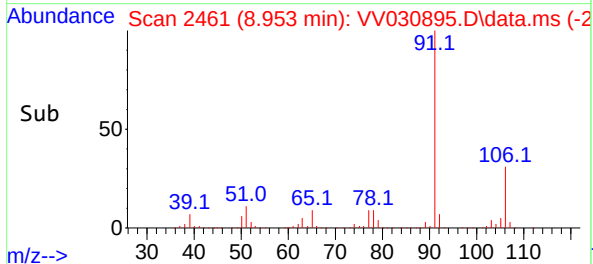
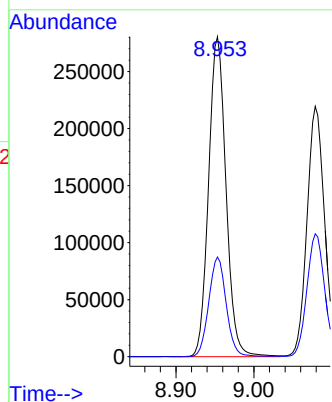
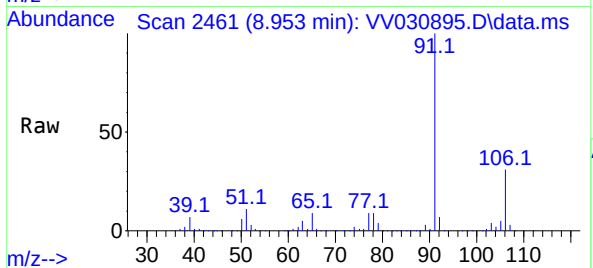




#52
Ethylbenzene
Concen: 49.140 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. 0.000 min
Lab File: VV030895.D
Acq: 27 Apr 2023 10:18

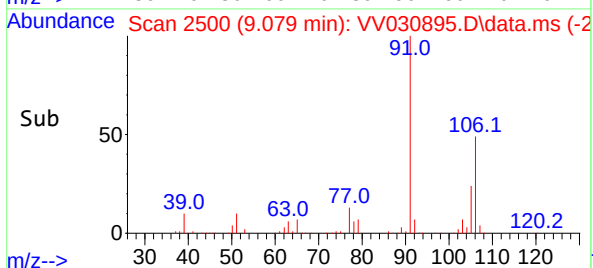
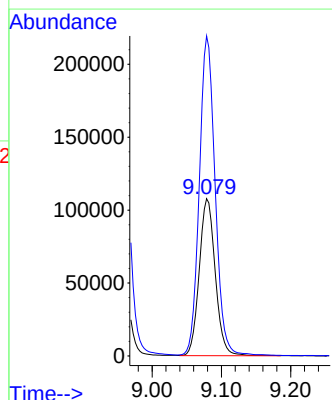
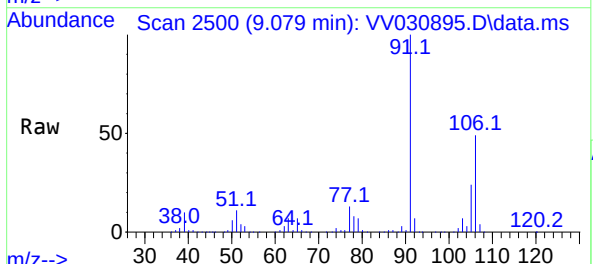
Instrument :
MSVOA_V
ClientSampleId :
VSTD050344

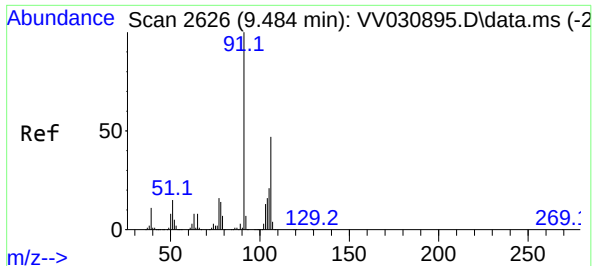
Tgt Ion: 91 Resp: 435610
Ion Ratio Lower Upper
91 100
106 31.2 21.8 40.4



#53
m,p-Xylene
Concen: 51.654 ug/L
RT: 9.079 min Scan# 2500
Delta R.T. 0.000 min
Lab File: VV030895.D
Acq: 27 Apr 2023 10:18

Tgt Ion: 106 Resp: 172959
Ion Ratio Lower Upper
106 100
91 203.5 144.7 268.7

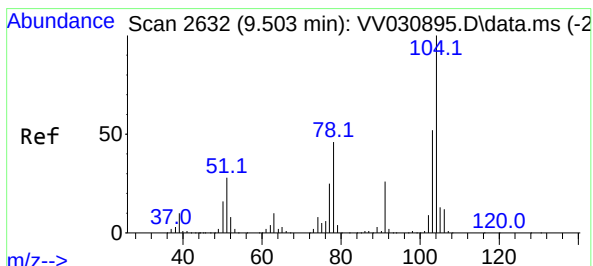
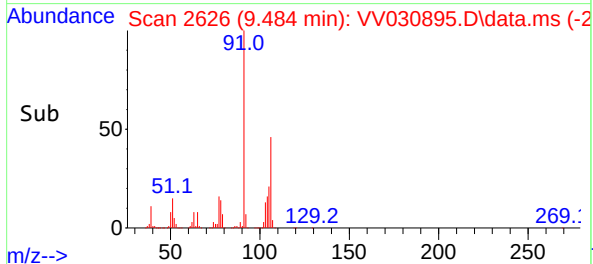
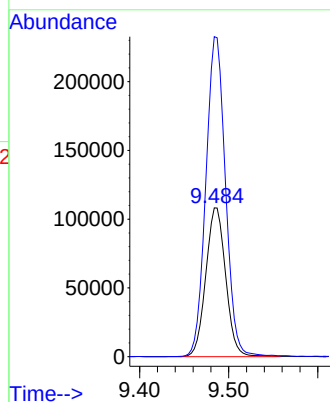
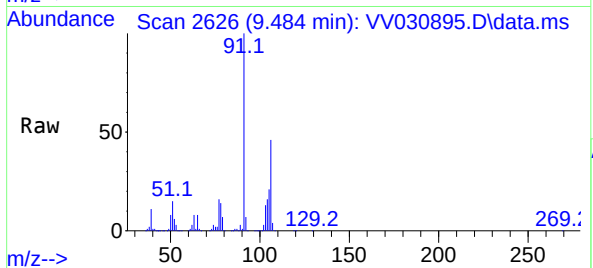




#54
o-Xylene
Concen: 51.172 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. 0.000 min
Lab File: VV030895.D
Acq: 27 Apr 2023 10:18

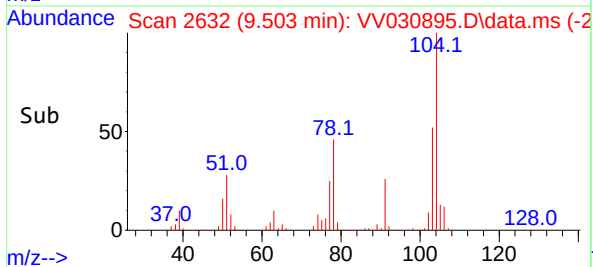
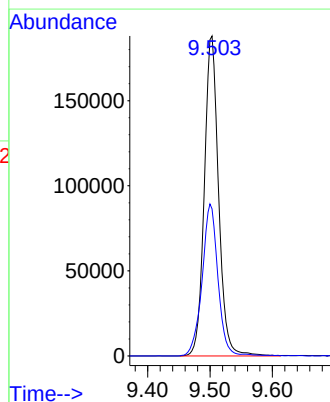
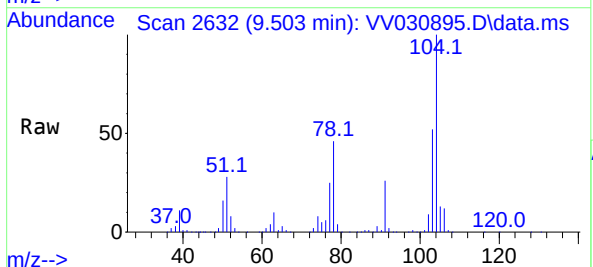
Instrument :
MSVOA_V
ClientSampleId :
VSTD050344

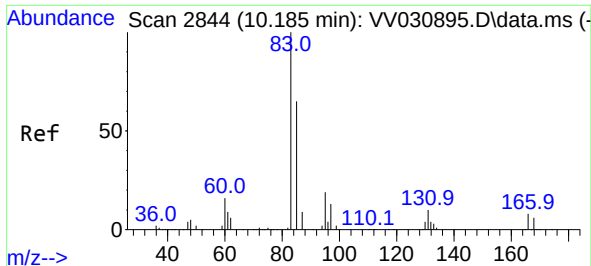
Tgt Ion:106 Resp: 167623
Ion Ratio Lower Upper
106 100
91 215.1 152.6 283.4



#55
Styrene
Concen: 52.084 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. 0.000 min
Lab File: VV030895.D
Acq: 27 Apr 2023 10:18

Tgt Ion:104 Resp: 299691
Ion Ratio Lower Upper
104 100
78 46.0 32.3 59.9

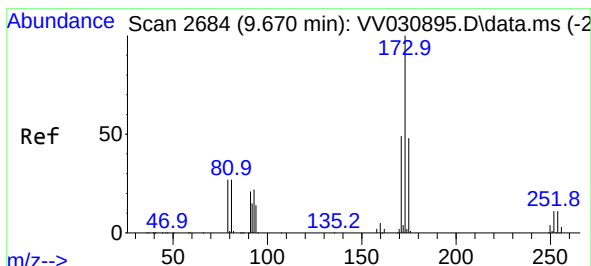
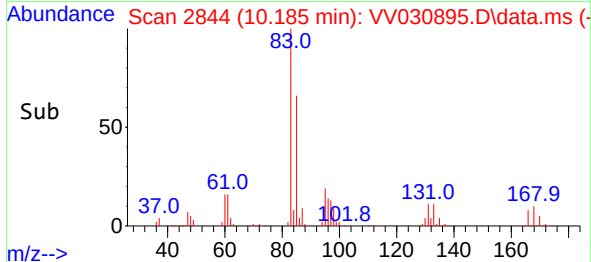
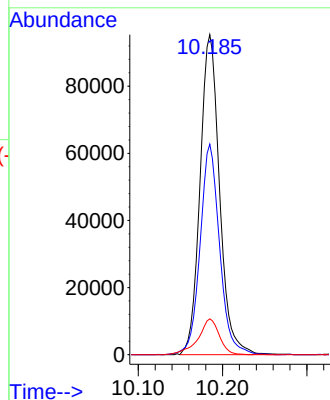
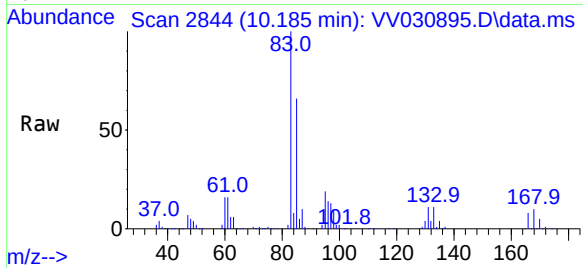




#57
1,1,2,2-Tetrachloroethane
Concen: 46.456 ug/L
RT: 10.185 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VV030895.D
Acq: 27 Apr 2023 10:18

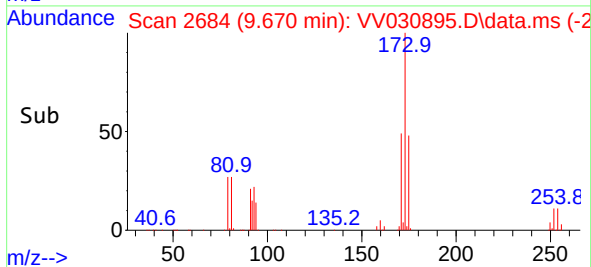
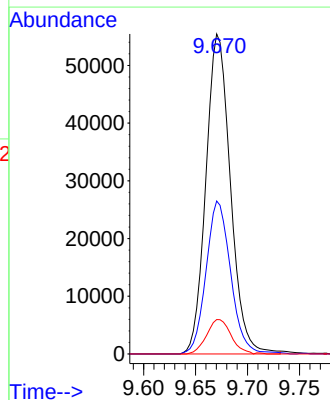
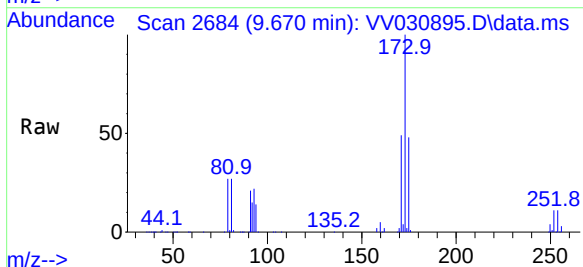
Instrument :
MSVOA_V
ClientSampleId :
VSTD050344

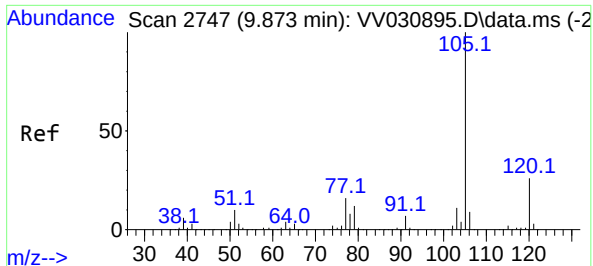
Tgt Ion: 83 Resp: 153895
Ion Ratio Lower Upper
83 100
85 65.8 45.1 83.7
131 11.2 8.0 12.0



#59
Bromoform
Concen: 47.460 ug/L
RT: 9.670 min Scan# 2684
Delta R.T. 0.000 min
Lab File: VV030895.D
Acq: 27 Apr 2023 10:18

Tgt Ion: 173 Resp: 91115
Ion Ratio Lower Upper
173 100
175 47.9 38.8 58.2
254 10.7 8.2 12.4

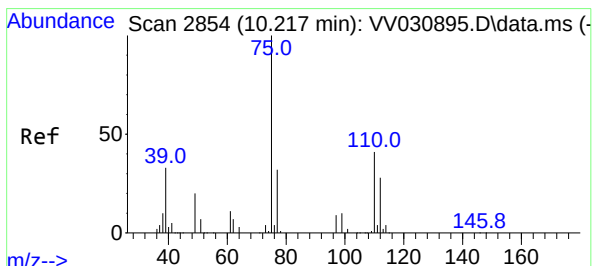
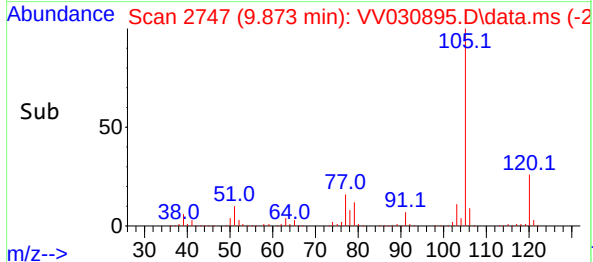
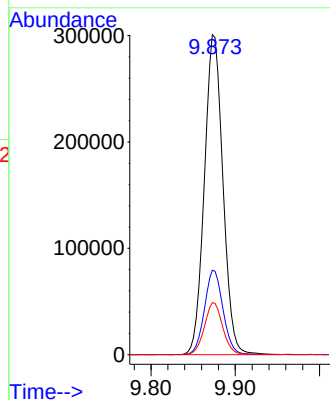
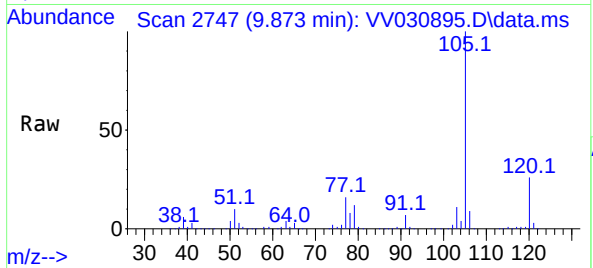




#60
Isopropylbenzene
Concen: 48.355 ug/L
RT: 9.873 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV030895.D
Acq: 27 Apr 2023 10:18

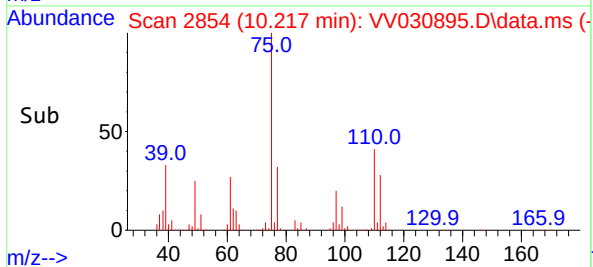
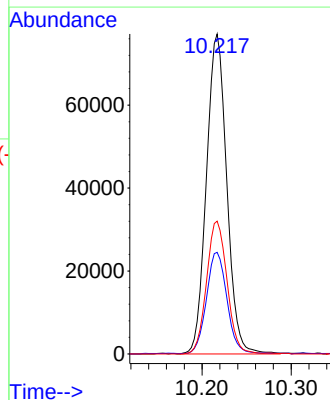
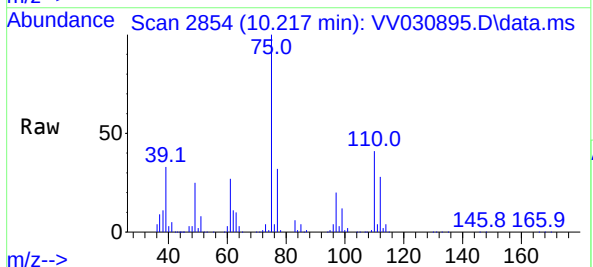
Instrument :
MSVOA_V
ClientSampleId :
VSTD050344

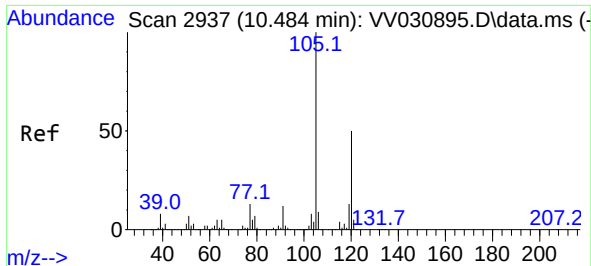
Tgt Ion:105 Resp: 462428
Ion Ratio Lower Upper
105 100
120 26.4 20.9 31.3
77 15.9 13.0 19.6



#61
1,2,3-Trichloropropane
Concen: 44.616 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. 0.000 min
Lab File: VV030895.D
Acq: 27 Apr 2023 10:18

Tgt Ion: 75 Resp: 122535
Ion Ratio Lower Upper
75 100
77 31.6 25.7 38.5
110 41.7 32.8 49.2

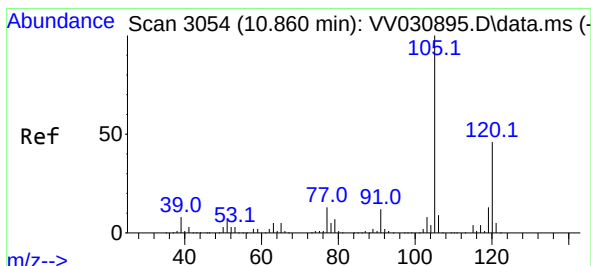
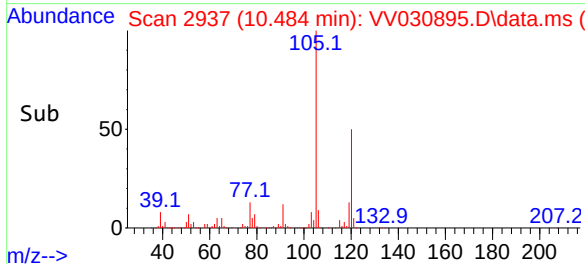
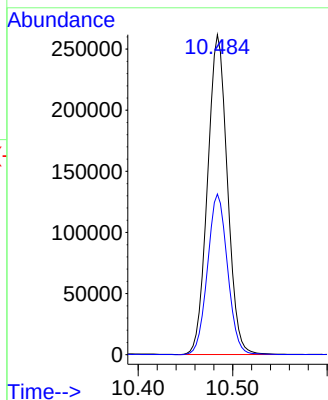
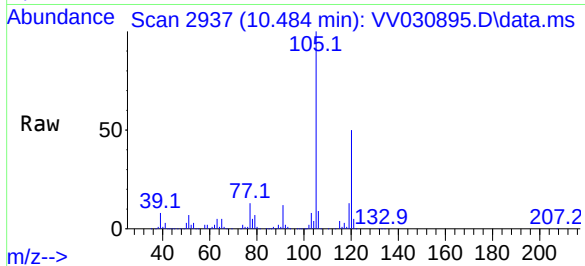




#62
1,3,5-Trimethylbenzene
Concen: 48.433 ug/L
RT: 10.484 min Scan# 2937
Delta R.T. 0.000 min
Lab File: VV030895.D
Acq: 27 Apr 2023 10:18

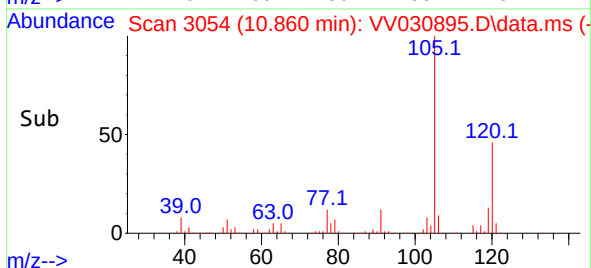
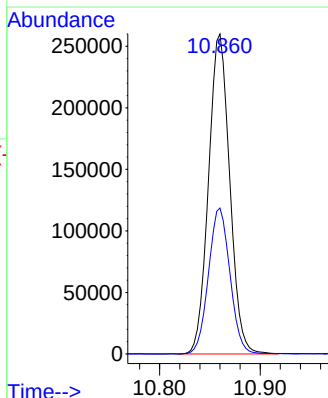
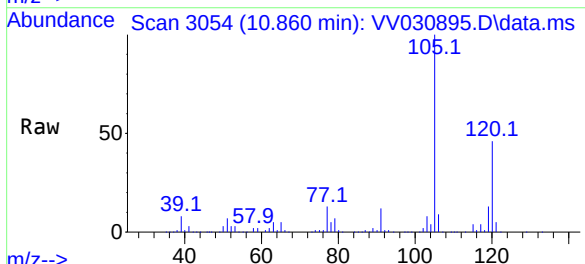
Instrument :
MSVOA_V
ClientSampleId :
VSTD050344

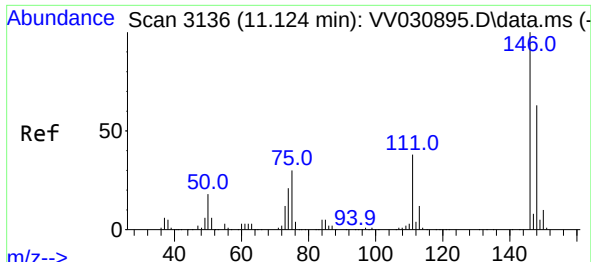
Tgt Ion:105 Resp: 381348
Ion Ratio Lower Upper
105 100
120 50.7 39.2 58.8



#63
1,2,4-Trimethylbenzene
Concen: 48.475 ug/L
RT: 10.860 min Scan# 3054
Delta R.T. 0.000 min
Lab File: VV030895.D
Acq: 27 Apr 2023 10:18

Tgt Ion:105 Resp: 381087
Ion Ratio Lower Upper
105 100
120 46.2 36.2 54.4

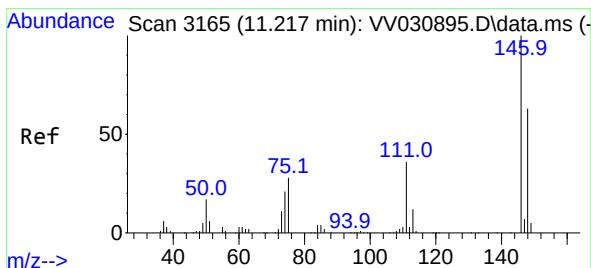
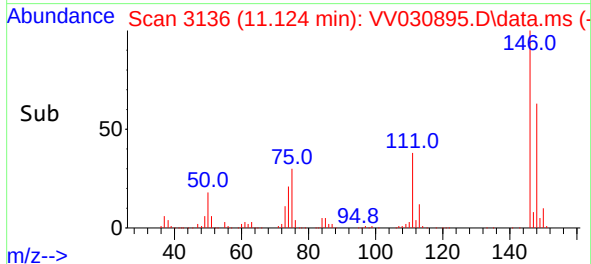
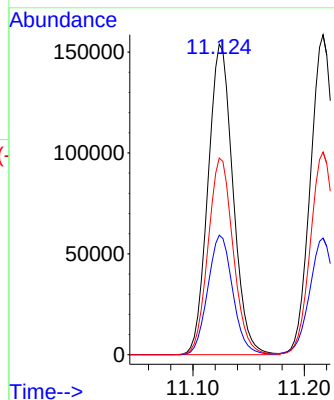
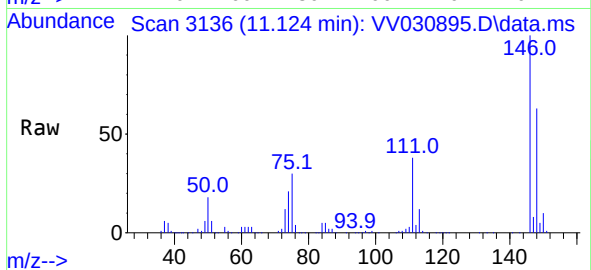




#64
1,3-Dichlorobenzene
Concen: 50.181 ug/L
RT: 11.124 min Scan# 3136
Delta R.T. 0.000 min
Lab File: VV030895.D
Acq: 27 Apr 2023 10:18

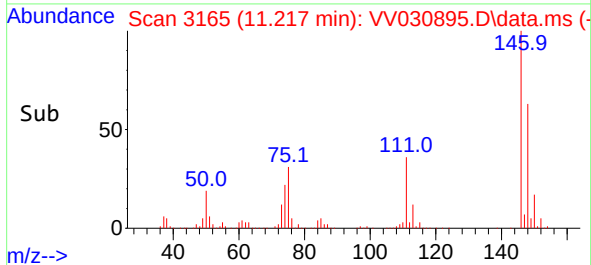
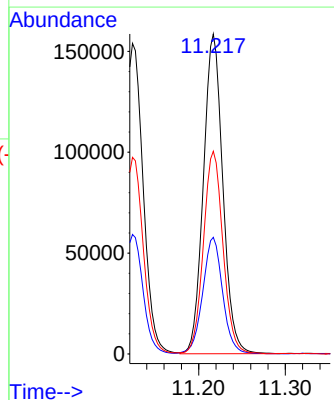
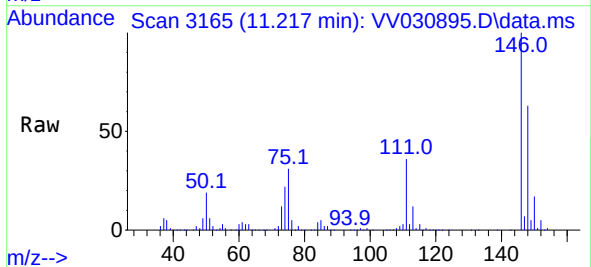
Instrument :
MSVOA_V
ClientSampleId :
VSTD050344

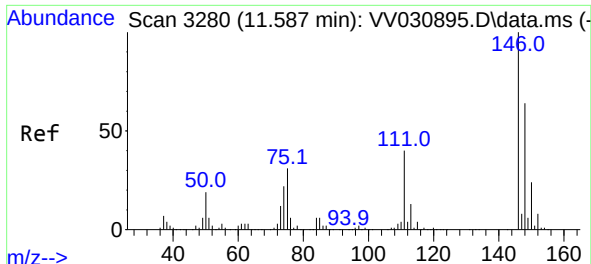
Tgt Ion:146 Resp: 240260
Ion Ratio Lower Upper
146 100
111 38.5 27.0 50.2
148 63.3 44.8 83.2



#65
1,4-Dichlorobenzene
Concen: 48.909 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. 0.000 min
Lab File: VV030895.D
Acq: 27 Apr 2023 10:18

Tgt Ion:146 Resp: 246931
Ion Ratio Lower Upper
146 100
111 36.5 26.5 49.1
148 63.3 44.7 83.1

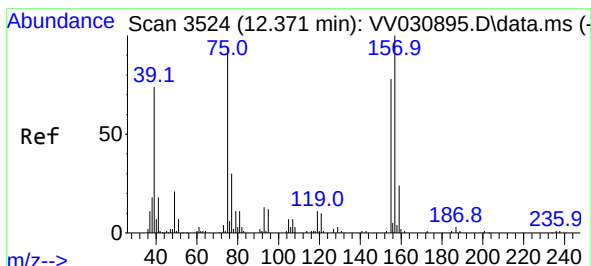
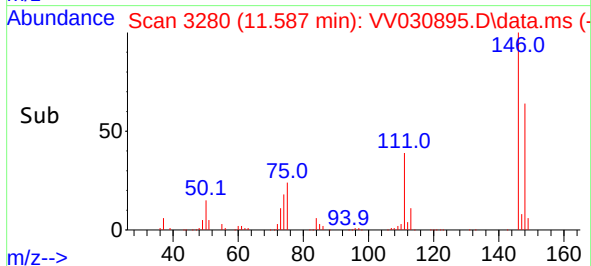
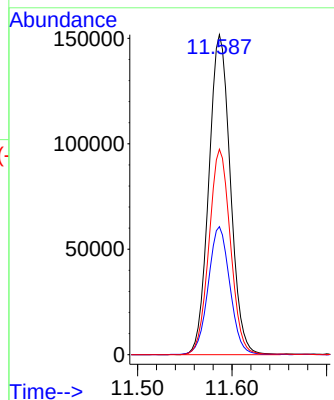
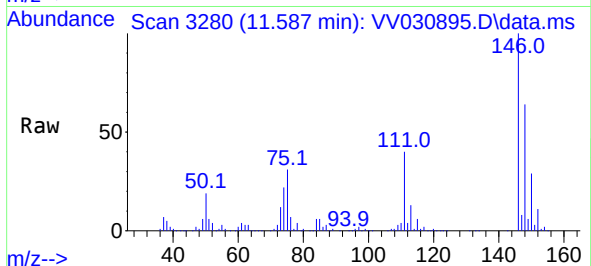




#67
1,2-Dichlorobenzene
Concen: 49.726 ug/L
RT: 11.587 min Scan# 311
Delta R.T. 0.000 min
Lab File: VV030895.D
Acq: 27 Apr 2023 10:18

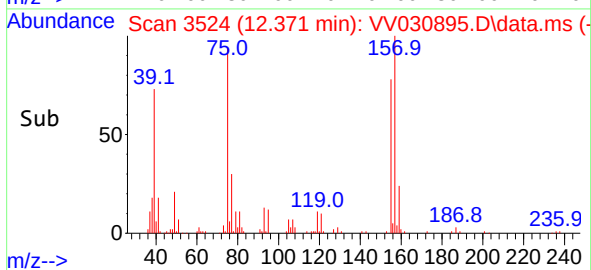
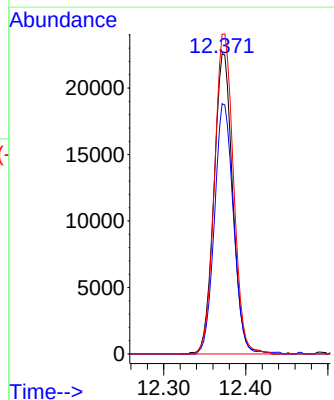
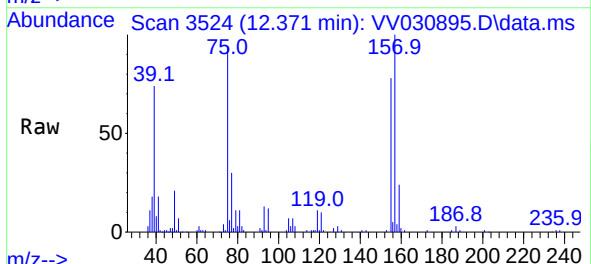
Instrument :
MSVOA_V
ClientSampleId :
VSTD050344

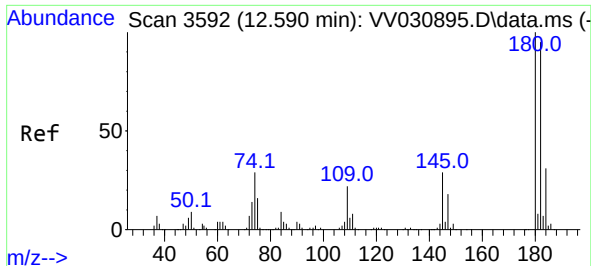
Tgt Ion:146 Resp: 240184
Ion Ratio Lower Upper
146 100
111 40.0 32.0 48.0
148 64.2 50.6 76.0



#68
1,2-Dibromo-3-chloropropane
Concen: 44.179 ug/L
RT: 12.371 min Scan# 3524
Delta R.T. 0.000 min
Lab File: VV030895.D
Acq: 27 Apr 2023 10:18

Tgt Ion: 75 Resp: 35948
Ion Ratio Lower Upper
75 100
155 83.4 65.0 97.6
157 106.5 84.4 126.6





#69

1,3,5-Trichlorobenzene

Concen: 51.494 ug/L

RT: 12.590 min Scan# 3592

Delta R.T. 0.000 min

Lab File: VV030895.D

Acq: 27 Apr 2023 10:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD050344

Tgt Ion:180 Resp: 186241

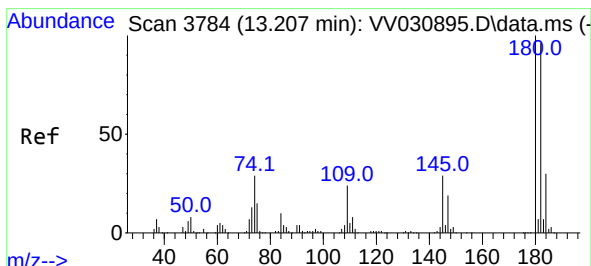
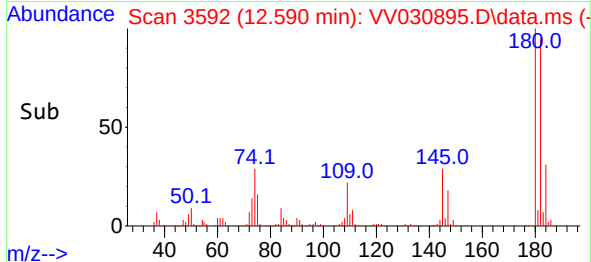
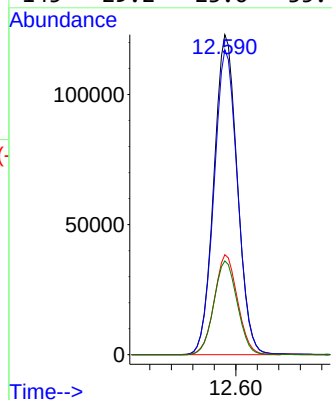
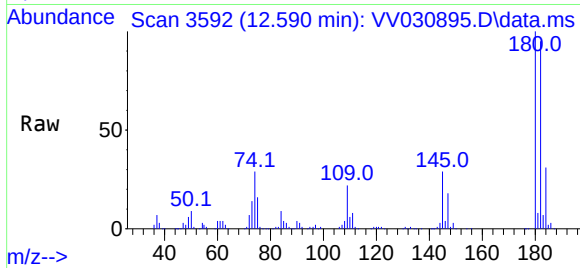
Ion Ratio Lower Upper

180 100

182 95.6 76.4 114.6

184 31.1 24.1 36.1

145 29.2 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 52.965 ug/L

RT: 13.207 min Scan# 3784

Delta R.T. 0.000 min

Lab File: VV030895.D

Acq: 27 Apr 2023 10:18

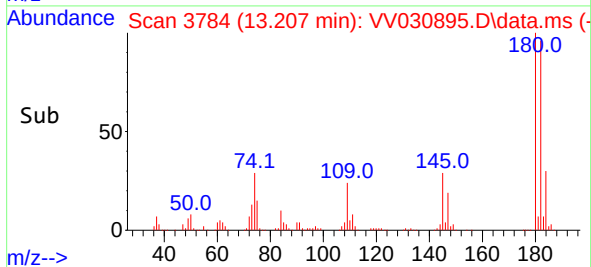
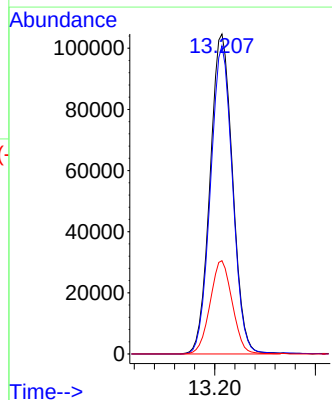
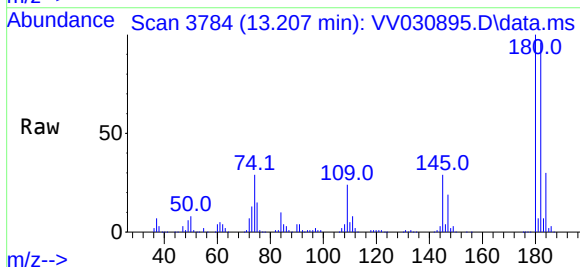
Tgt Ion:180 Resp: 162646

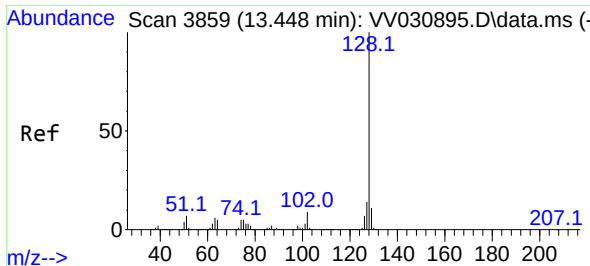
Ion Ratio Lower Upper

180 100

182 94.2 75.9 113.9

145 28.7 23.4 35.2



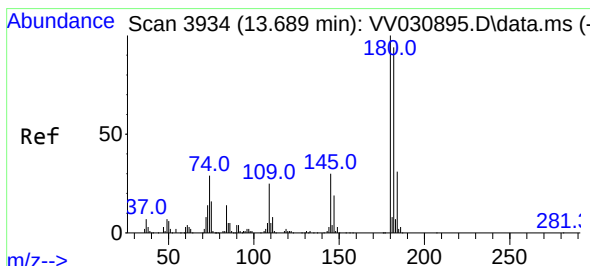
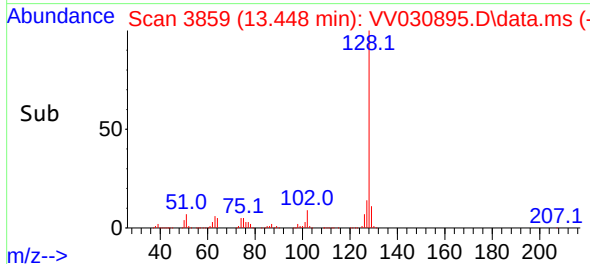
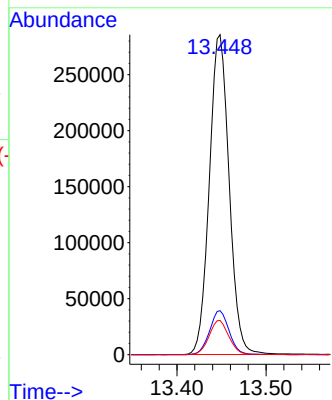
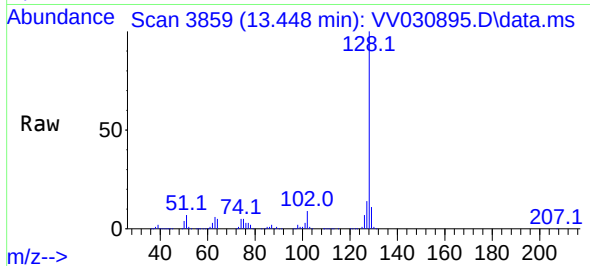


#71
Naphthalene
Concen: 52.413 ug/L
RT: 13.448 min Scan# 3859
Delta R.T. 0.000 min
Lab File: VV030895.D
Acq: 27 Apr 2023 10:18

Instrument :
MSVOA_V
ClientSampleId :
VSTD050344

Tgt Ion:128 Resp: 440285

Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.7	16.1
129	10.8	8.6	13.0



#72
1,2,3-Trichlorobenzene
Concen: 54.635 ug/L
RT: 13.689 min Scan# 3934
Delta R.T. 0.000 min
Lab File: VV030895.D
Acq: 27 Apr 2023 10:18

Tgt Ion:180 Resp: 166368

Ion	Ratio	Lower	Upper
180	100		
182	93.8	76.2	114.4
145	30.7	25.1	37.7

