

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041723\
 Data File : VW030580.D
 Acq On : 17 Apr 2023 11:15
 Operator : SY/MD
 Sample : VSTD05017
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 18 02:11:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM041723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 18 02:09:16 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	261381	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	258081	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	152930	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	93384	48.736	ug/L	0.00
7) Chloroethane-d5	1.535	69	76886	47.883	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.066	65	43402	47.763	ug/L	0.00
21) 2-Butanone-d5	3.802	46	104812	98.943	ug/L	0.00
24) Chloroform-d	4.262	84	171134	49.283	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.950	65	109428	49.016	ug/L	0.00
32) Benzene-d6	4.969	84	310374	50.866	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.998	67	93602	49.385	ug/L	0.00
41) Toluene-d8	7.252	98	298374	52.082	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.558	79	48059	50.308	ug/L	0.00
47) 2-Hexanone-d5	8.034	63	72089	101.188	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.159	84	137304	49.924	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.570	152	120192	49.446	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	108401	48.237	ug/L	100
3) Chloromethane	1.217	50	138911	47.122	ug/L	100
5) Vinyl chloride	1.288	62	113432	47.727	ug/L	100
6) Bromomethane	1.494	94	45253	48.018	ug/L	100
8) Chloroethane	1.555	64	76933	47.196	ug/L	100
9) Trichlorofluoromethane	1.719	101	188620	48.967	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.076	101	97315	48.072	ug/L	100
12) 1,1-Dichloroethene	2.076	96	90124	49.242	ug/L	100
13) Acetone	2.127	43	153694	94.374	ug/L	100
14) Carbon disulfide	2.249	76	252700	48.883	ug/L	100
15) Methyl Acetate	2.381	43	109260	50.274	ug/L	100
16) Methylene chloride	2.455	84	100483	47.976	ug/L	100
17) trans-1,2-Dichloroethene	2.703	96	89674	48.534	ug/L	100
18) Methyl tert-butyl Ether	2.712	73	294042	49.685	ug/L	100
19) 1,1-Dichloroethane	3.121	63	181605	48.209	ug/L	100
20) cis-1,2-Dichloroethene	3.825	96	98472	48.994	ug/L	100
22) 2-Butanone	3.879	43	163976	96.009	ug/L	100
23) Bromochloromethane	4.159	128	55100	49.085	ug/L	100
25) Chloroform	4.288	83	195101	50.038	ug/L	100
27) 1,2-Dichloroethane	5.050	62	165591	50.181	ug/L	100
29) Cyclohexane	4.596	56	154474	49.877	ug/L	100
30) 1,1,1-Trichloroethane	4.526	97	176441	48.654	ug/L	100
31) Carbon tetrachloride	4.744	117	157540	48.589	ug/L	100
33) Benzene	5.021	78	398384	50.833	ug/L	100
34) Trichloroethene	5.841	95	100542	49.321	ug/L	100
35) Methylcyclohexane	6.059	83	159663	49.986	ug/L	100
37) 1,2-Dichloropropane	6.101	63	105656	50.088	ug/L	100
38) Bromodichloromethane	6.442	83	143997	48.595	ug/L	100
39) cis-1,3-Dichloropropene	6.960	75	157091	49.619	ug/L	100
40) 4-Methyl-2-pentanone	7.165	43	302601	104.131	ug/L	100
42) Toluene	7.323	91	438533	52.242	ug/L	100
44) trans-1,3-Dichloropropene	7.587	75	159374	51.239	ug/L	100

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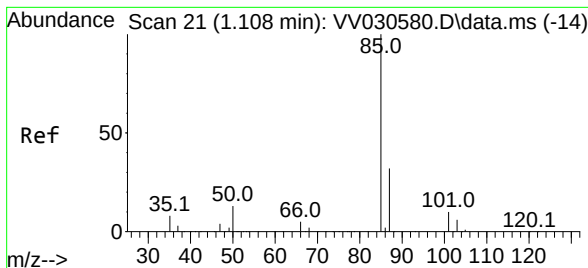
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.776	97	105049	49.664	ug/L	100
46) Tetrachloroethene	7.915	164	87879	49.250	ug/L	100
48) 2-Hexanone	8.082	43	245457	105.112	ug/L	100
49) Dibromochloromethane	8.185	129	114117	48.912	ug/L	100
50) 1,2-Dibromoethane	8.291	107	109288	49.866	ug/L	100
51) Chlorobenzene	8.821	112	274433	49.364	ug/L	100
52) Ethylbenzene	8.953	91	476504	51.276	ug/L	100
53) m,p-Xylene	9.082	106	183352	52.234	ug/L	100
54) o-Xylene	9.487	106	174080	50.693	ug/L	100
55) Styrene	9.503	104	320969	53.210	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.185	83	170858	49.199	ug/L	100
59) Bromoform	9.670	173	92737	48.434	ug/L	100
60) Isopropylbenzene	9.876	105	478465	50.166	ug/L	100
61) 1,2,3-Trichloropropane	10.217	75	132362	48.324	ug/L	100
62) 1,3,5-Trimethylbenzene	10.484	105	392883	50.032	ug/L	100
63) 1,2,4-Trimethylbenzene	10.860	105	396910	50.623	ug/L	100
64) 1,3-Dichlorobenzene	11.127	146	236880	49.608	ug/L	100
65) 1,4-Dichlorobenzene	11.217	146	248911	49.434	ug/L	100
67) 1,2-Dichlorobenzene	11.586	146	237406	49.283	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.371	75	38620	47.661	ug/L	100
69) 1,3,5-Trichlorobenzene	12.590	180	177001	49.070	ug/L	100
70) 1,2,4-trichlorobenzene	13.207	180	152221	49.703	ug/L	100
71) Naphthalene	13.448	128	422534	50.435	ug/L	100
72) 1,2,3-Trichlorobenzene	13.689	180	155873	51.326	ug/L	100

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

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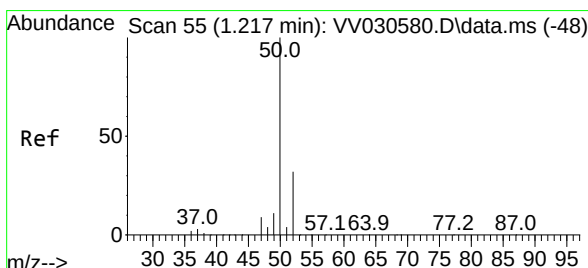
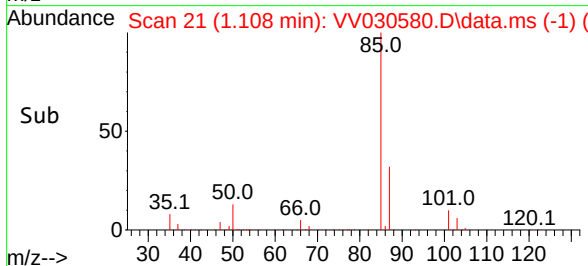
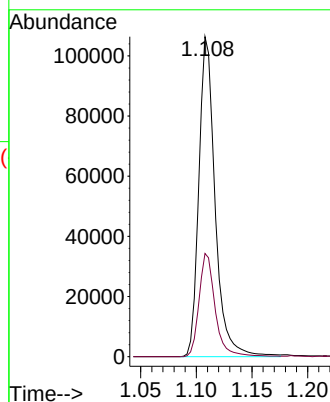
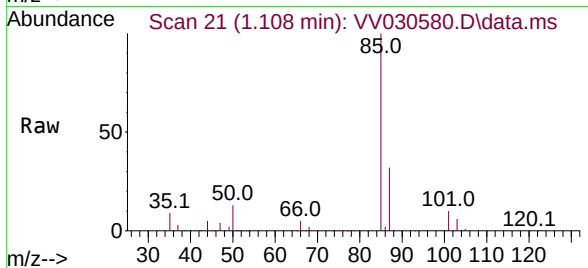




#2
 Dichlorodifluoromethane
 Concen: 48.237 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV030580.D
 Acq: 17 Apr 2023 11:15

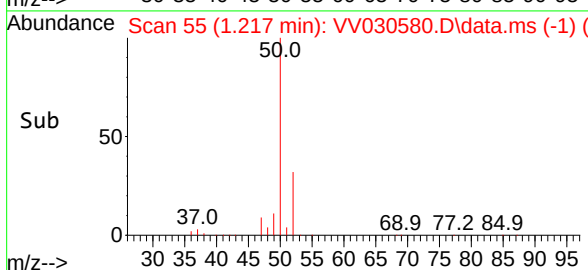
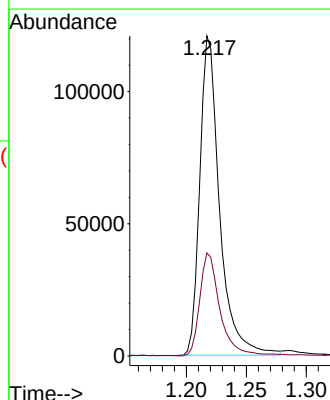
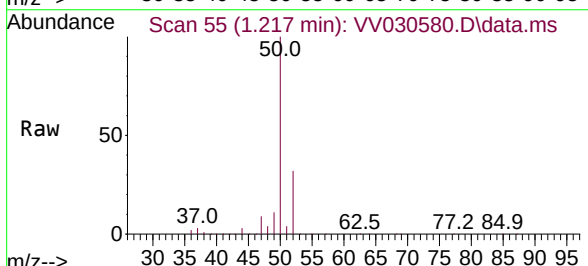
Instrument :
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 ClientSampleId :

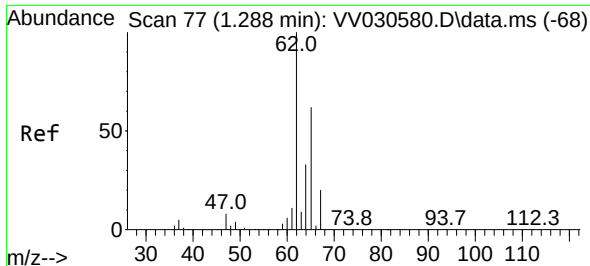
Tgt Ion: 85 Resp: 108401
 Ion Ratio Lower Upper
 85 100
 87 32.0 25.6 38.4



#3
 Chloromethane
 Concen: 47.122 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV030580.D
 Acq: 17 Apr 2023 11:15

Tgt Ion: 50 Resp: 138911
 Ion Ratio Lower Upper
 50 100
 52 32.2 22.5 41.9

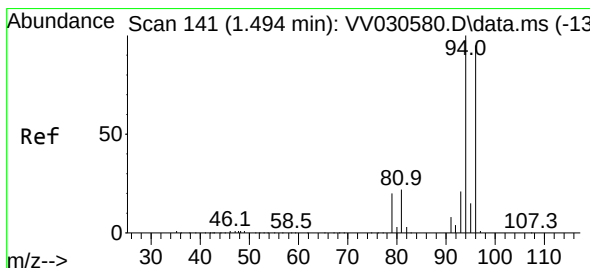
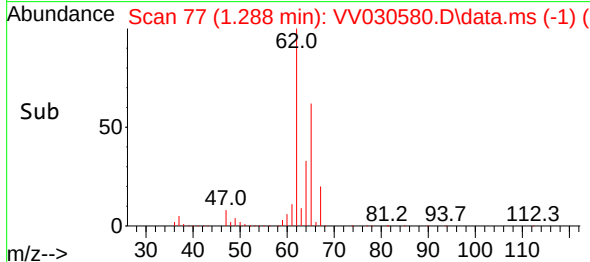
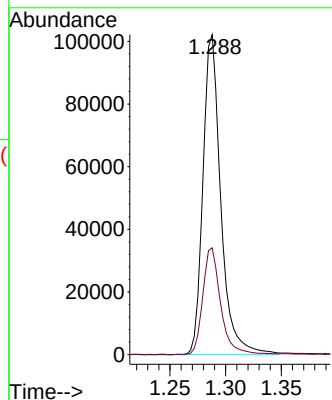
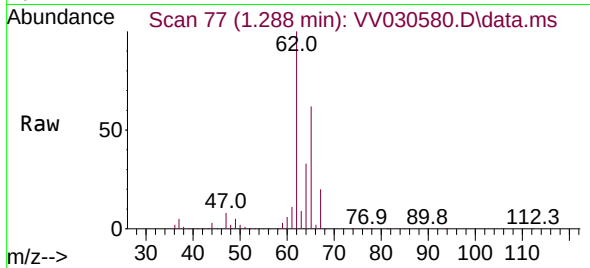




#5
 Vinyl chloride
 Concen: 47.727 ug/L
 RT: 1.288 min Scan# 77
 Delta R.T. 0.000 min
 Lab File: VV030580.D
 Acq: 17 Apr 2023 11:15

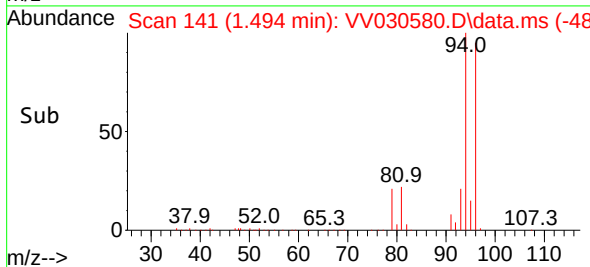
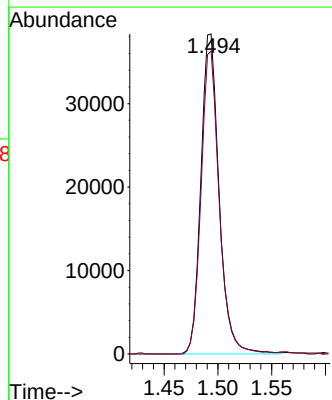
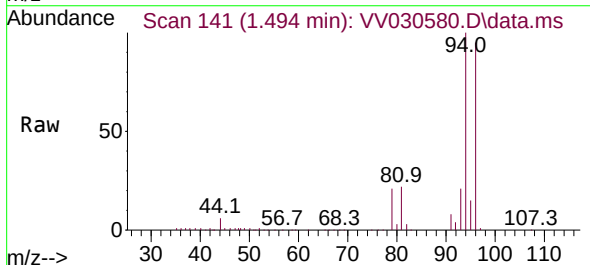
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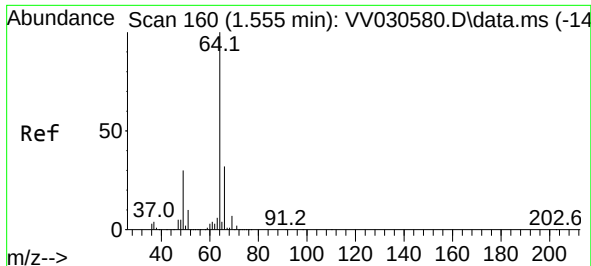
Tgt Ion: 62 Resp: 113432
 Ion Ratio Lower Upper
 62 100
 64 33.4 23.4 43.4



#6
 Bromomethane
 Concen: 48.018 ug/L
 RT: 1.494 min Scan# 141
 Delta R.T. 0.000 min
 Lab File: VV030580.D
 Acq: 17 Apr 2023 11:15

Tgt Ion: 94 Resp: 45253
 Ion Ratio Lower Upper
 94 100
 96 94.7 66.3 123.1

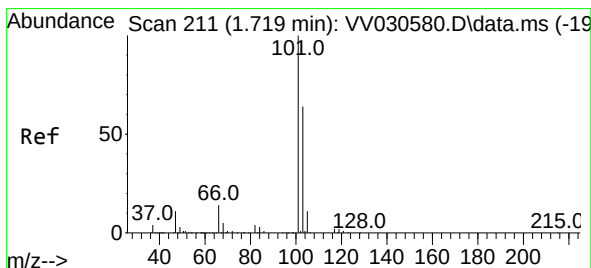
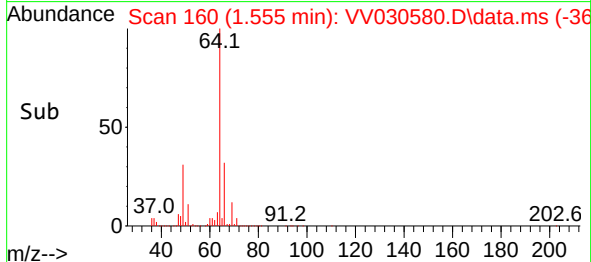
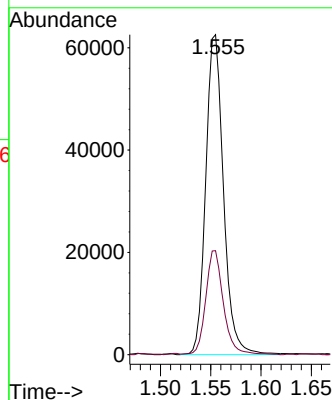
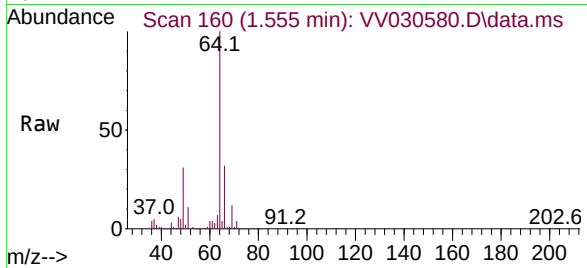




#8
Chloroethane
Concen: 47.196 ug/L
RT: 1.555 min Scan# 160
Delta R.T. 0.000 min
Lab File: VV030580.D
Acq: 17 Apr 2023 11:15

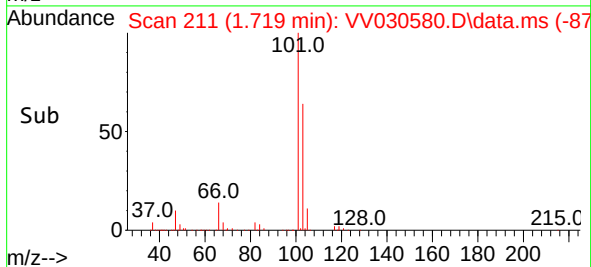
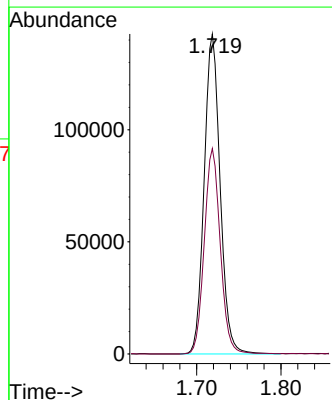
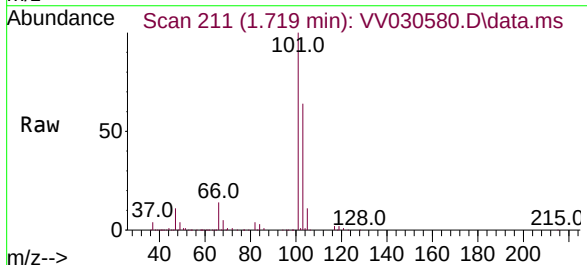
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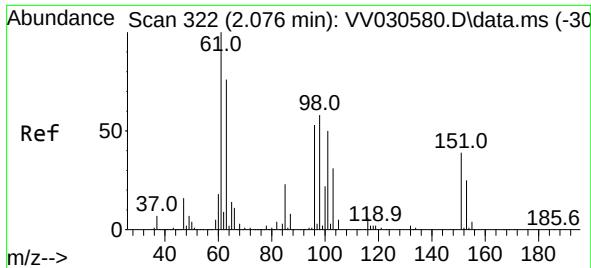
Tgt Ion: 64 Resp: 76933
Ion Ratio Lower Upper
64 100
66 32.5 22.7 42.3



#9
Trichlorofluoromethane
Concen: 48.967 ug/L
RT: 1.719 min Scan# 211
Delta R.T. 0.000 min
Lab File: VV030580.D
Acq: 17 Apr 2023 11:15

Tgt Ion:101 Resp: 188620
Ion Ratio Lower Upper
101 100
103 64.2 51.4 77.0

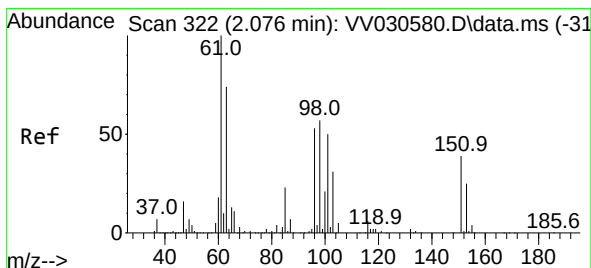
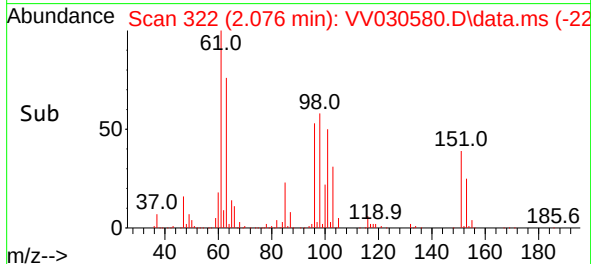
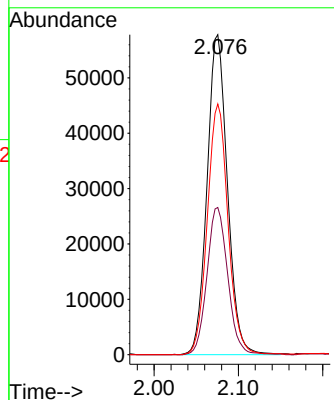
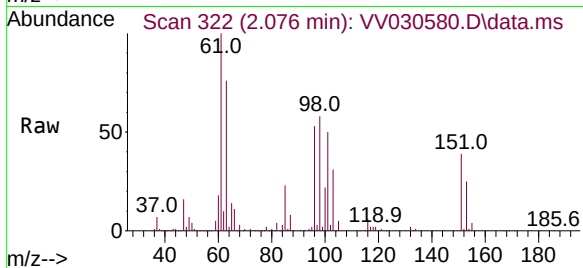




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 48.072 ug/L
 RT: 2.076 min Scan# 311
 Delta R.T. 0.000 min
 Lab File: VV030580.D
 Acq: 17 Apr 2023 11:15

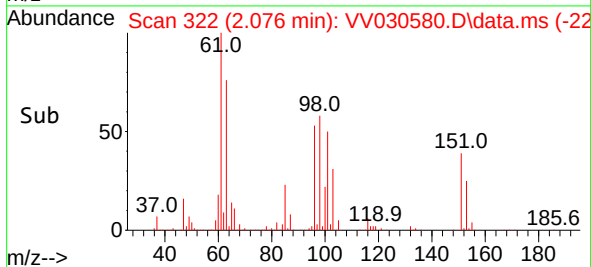
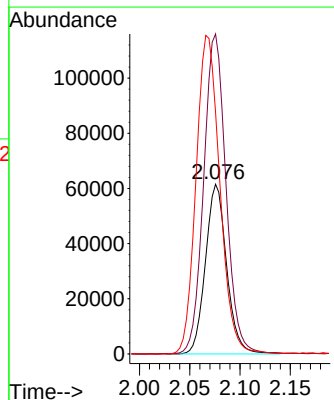
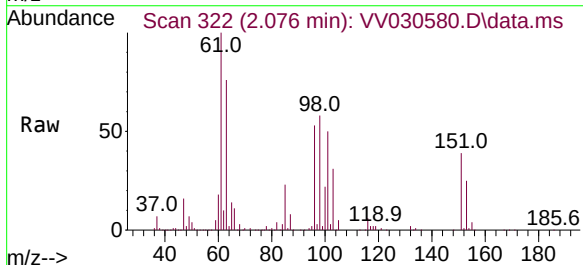
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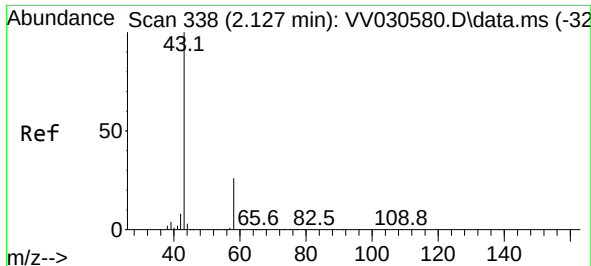
Tgt Ion:101 Resp: 97315
 Ion Ratio Lower Upper
 101 100
 85 46.9 37.5 56.3
 151 79.4 63.5 95.3



#12
 1,1-Dichloroethene
 Concen: 49.242 ug/L
 RT: 2.076 min Scan# 322
 Delta R.T. 0.000 min
 Lab File: VV030580.D
 Acq: 17 Apr 2023 11:15

Tgt Ion: 96 Resp: 90124
 Ion Ratio Lower Upper
 96 100
 61 188.5 131.9 245.0
 63 142.5 99.8 185.3





#13

Acetone

Concen: 94.374 ug/L

RT: 2.127 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV030580.D

Acq: 17 Apr 2023 11:15

Instrument :

MSVOA_V

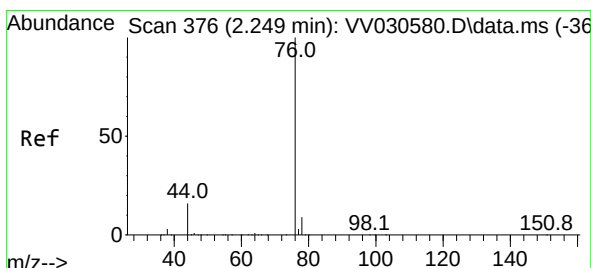
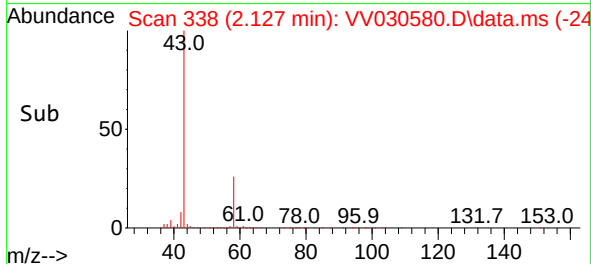
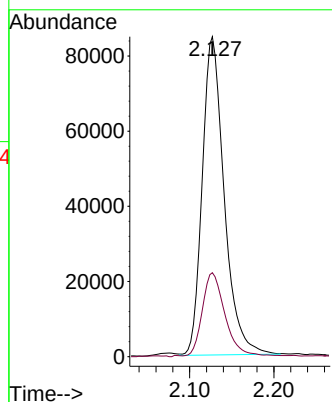
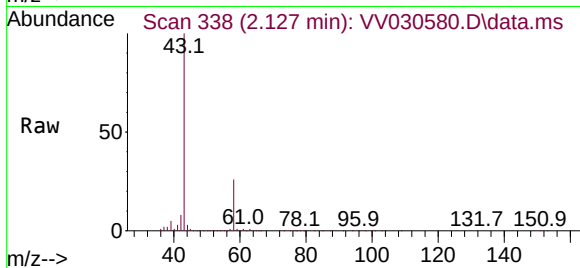
ClientSampleId :

Tgt Ion: 43 Resp: 153694

Ion Ratio Lower Upper

43 100

58 26.4 0.0 52.8



#14

Carbon disulfide

Concen: 48.883 ug/L

RT: 2.249 min Scan# 376

Delta R.T. 0.000 min

Lab File: VV030580.D

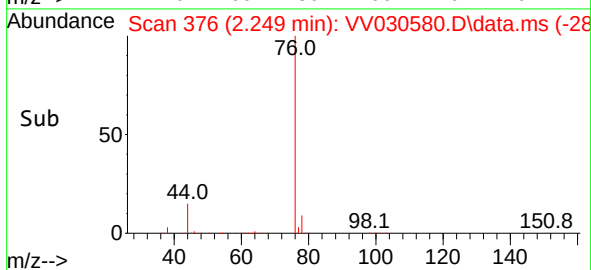
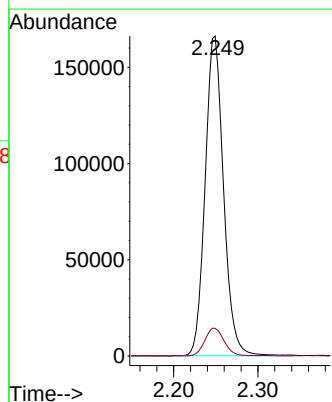
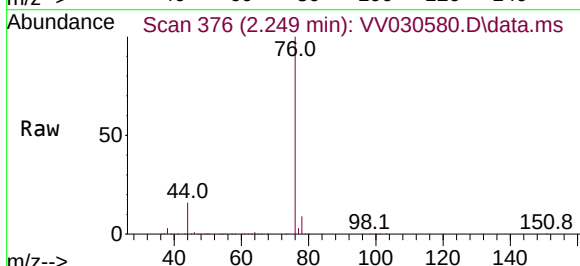
Acq: 17 Apr 2023 11:15

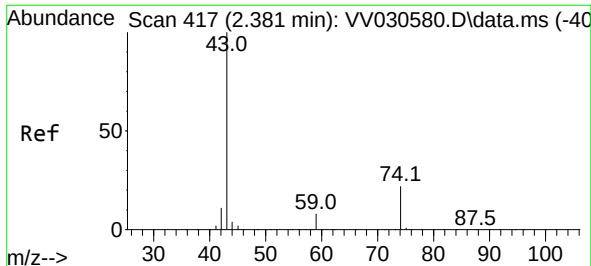
Tgt Ion: 76 Resp: 252700

Ion Ratio Lower Upper

76 100

78 8.7 7.0 10.4

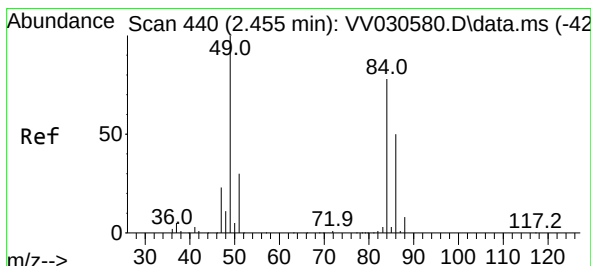
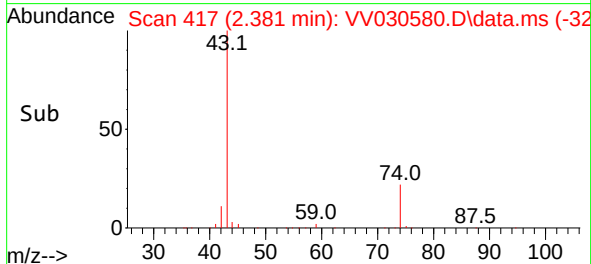
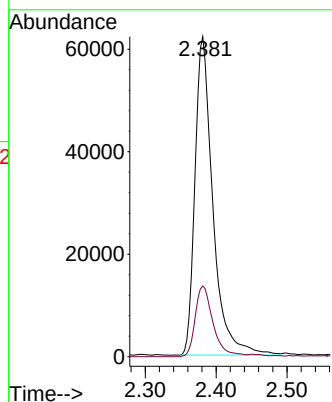
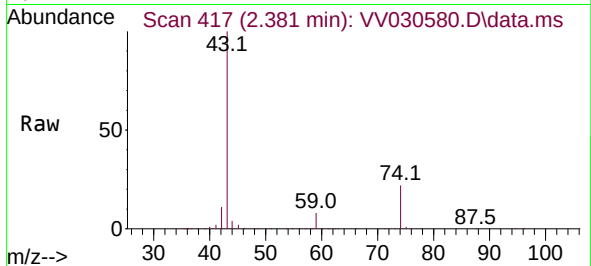




#15
Methyl Acetate
Concen: 50.274 ug/L
RT: 2.381 min Scan# 417
Delta R.T. 0.000 min
Lab File: VV030580.D
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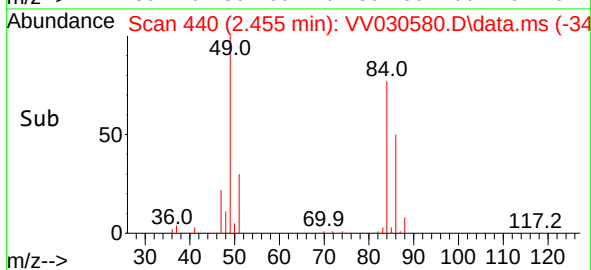
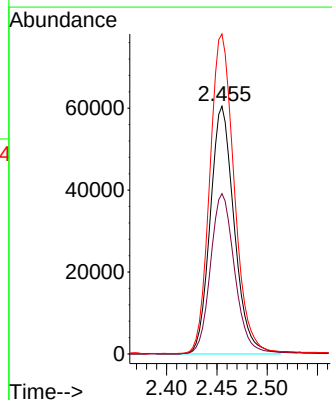
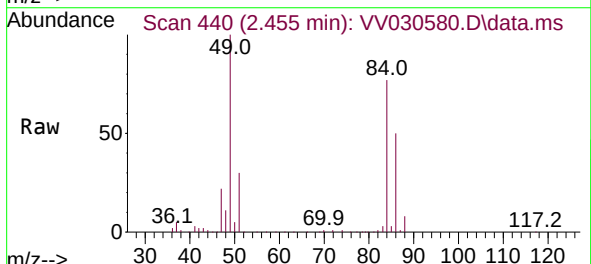
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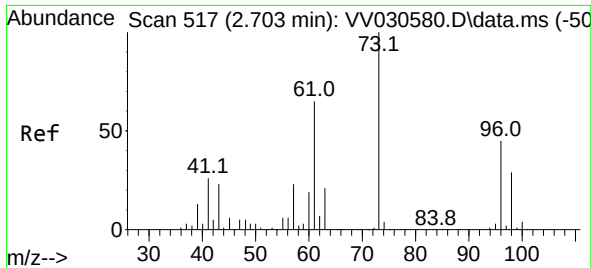
Tgt Ion: 43 Resp: 109260
Ion Ratio Lower Upper
43 100
74 22.1 17.7 26.5



#16
Methylene chloride
Concen: 47.976 ug/L
RT: 2.455 min Scan# 440
Delta R.T. 0.000 min
Lab File: VV030580.D
Acq: 17 Apr 2023 11:15

Tgt Ion: 84 Resp: 100483
Ion Ratio Lower Upper
84 100
86 64.8 45.4 84.2
49 129.2 90.4 168.0

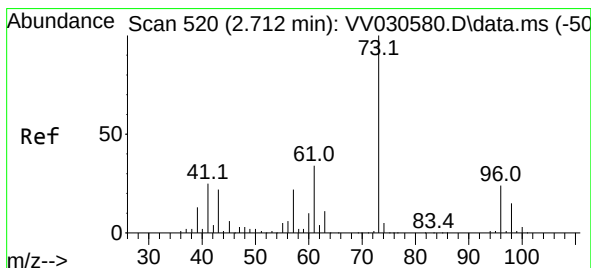
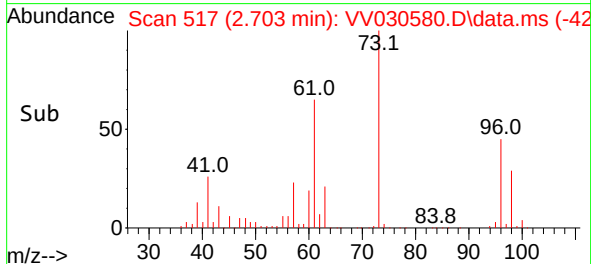
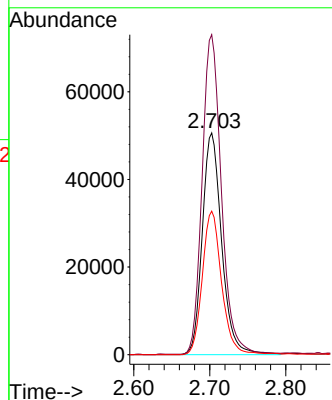
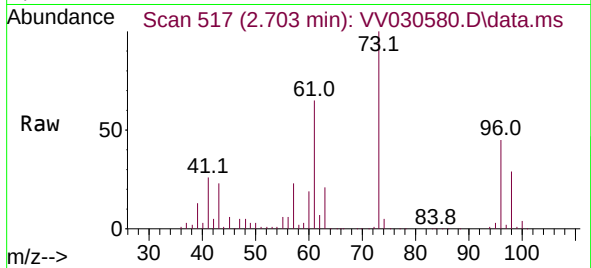




#17
trans-1,2-Dichloroethene
Concen: 48.534 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.000 min
Lab File: VV030580.D
Acq: 17 Apr 2023 11:15

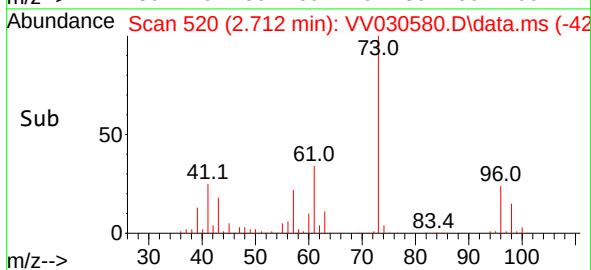
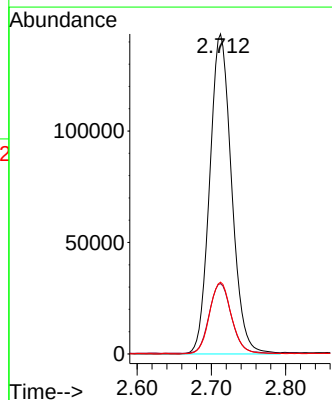
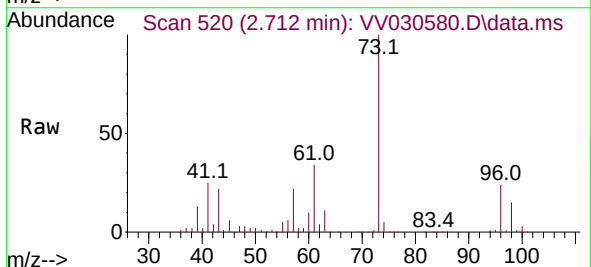
Instrument :
MSVOA_V
ClientSampleId :

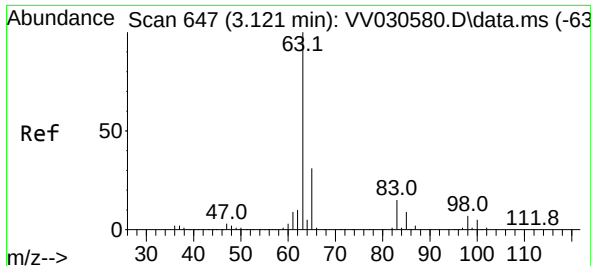
Tgt Ion: 96 Resp: 89674
Ion Ratio Lower Upper
96 100
61 144.3 101.0 187.6
98 64.8 45.4 84.2



#18
Methyl tert-butyl Ether
Concen: 49.685 ug/L
RT: 2.712 min Scan# 520
Delta R.T. 0.000 min
Lab File: VV030580.D
Acq: 17 Apr 2023 11:15

Tgt Ion: 73 Resp: 294042
Ion Ratio Lower Upper
73 100
43 22.0 17.6 26.4
57 22.7 18.2 27.2





#19

1,1-Dichloroethane

Concen: 48.209 ug/L

RT: 3.121 min Scan# 647

Delta R.T. 0.000 min

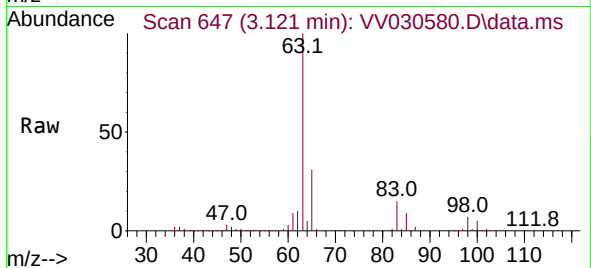
Lab File: VV030580.D

Acq: 17 Apr 2023 11:15

Instrument :

MSVOA_V

ClientSampleId :



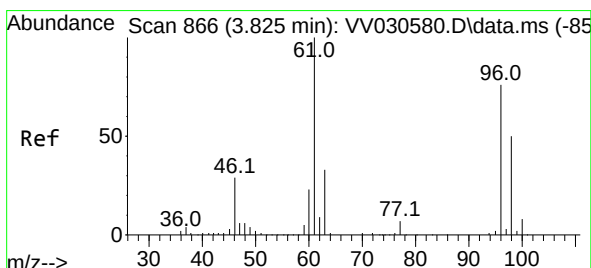
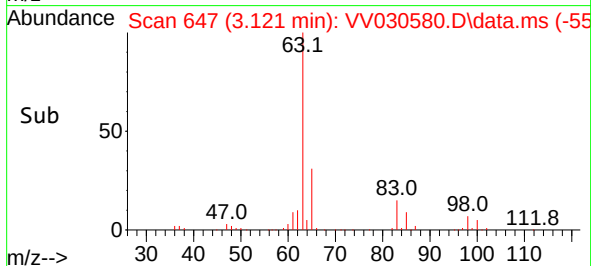
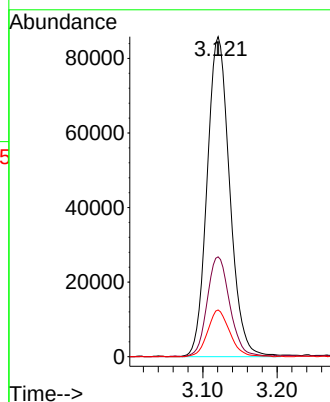
Tgt Ion: 63 Resp: 181605

Ion Ratio Lower Upper

63 100

65 31.2 21.8 40.6

83 14.6 10.2 19.0



#20

cis-1,2-Dichloroethene

Concen: 48.994 ug/L

RT: 3.825 min Scan# 866

Delta R.T. 0.000 min

Lab File: VV030580.D

Acq: 17 Apr 2023 11:15

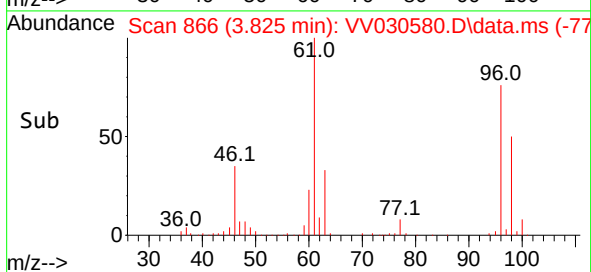
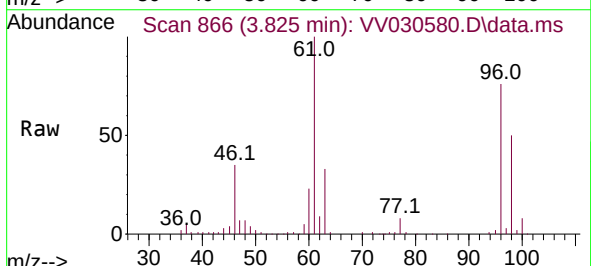
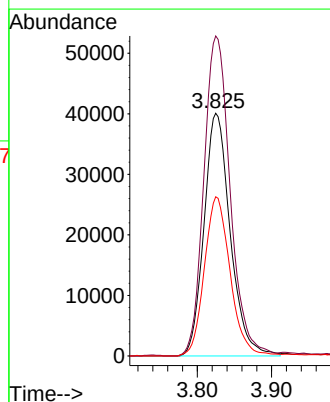
Tgt Ion: 96 Resp: 98472

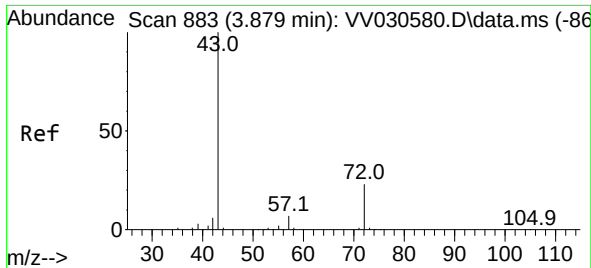
Ion Ratio Lower Upper

96 100

61 131.8 92.3 171.3

98 65.6 45.9 85.3

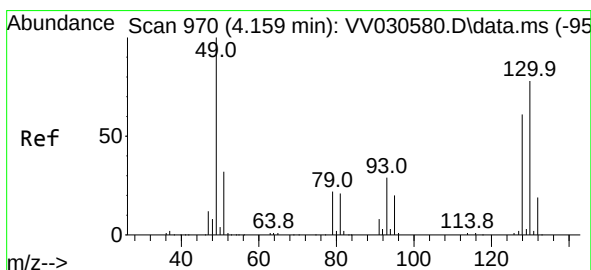
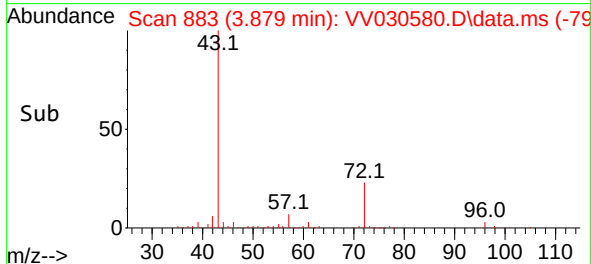
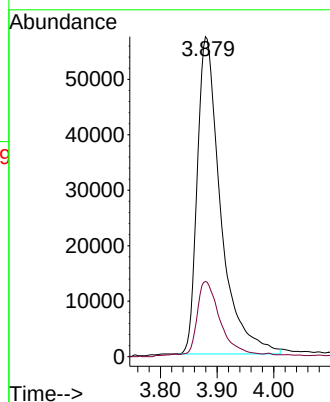
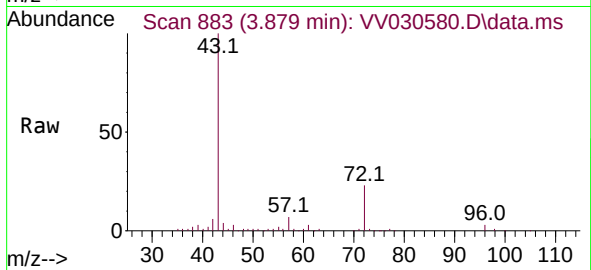




#22
2-Butanone
Concen: 96.009 ug/L
RT: 3.879 min Scan# 883
Delta R.T. 0.000 min
Lab File: VV030580.D
Acq: 17 Apr 2023 11:15

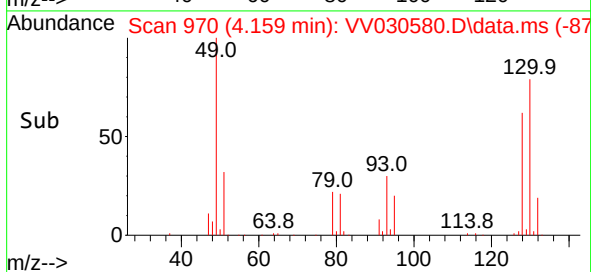
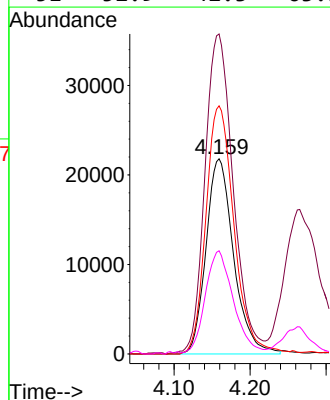
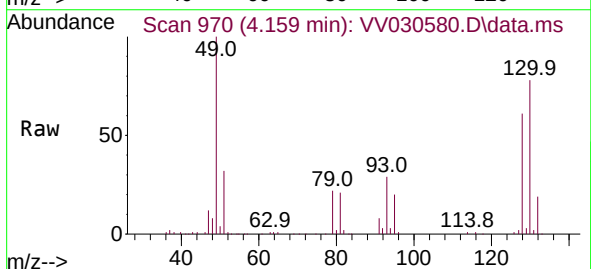
Instrument :
MSVOA_V
ClientSampleId :

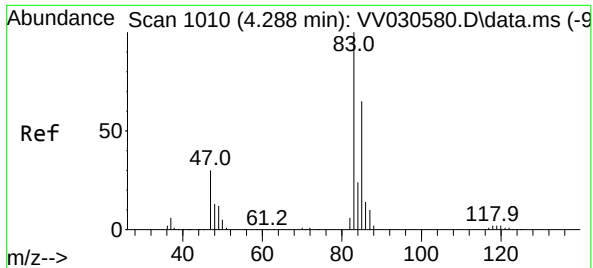
Tgt Ion: 43 Resp: 163976
Ion Ratio Lower Upper
43 100
72 22.9 11.5 34.4



#23
Bromochloromethane
Concen: 49.085 ug/L
RT: 4.159 min Scan# 970
Delta R.T. 0.000 min
Lab File: VV030580.D
Acq: 17 Apr 2023 11:15

Tgt Ion: 128 Resp: 55100
Ion Ratio Lower Upper
128 100
49 163.9 114.7 213.1
130 127.1 89.0 165.2
51 52.9 42.3 63.5

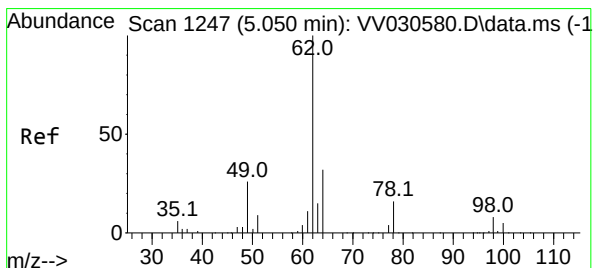
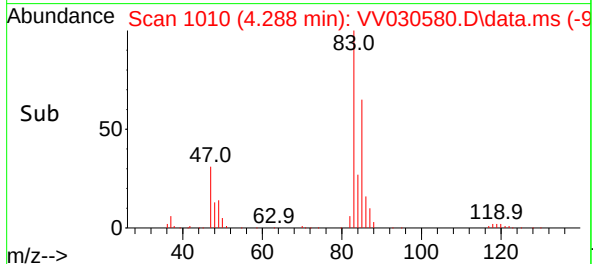
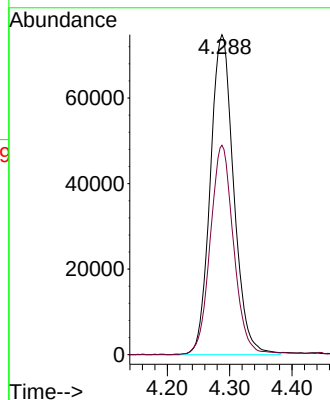
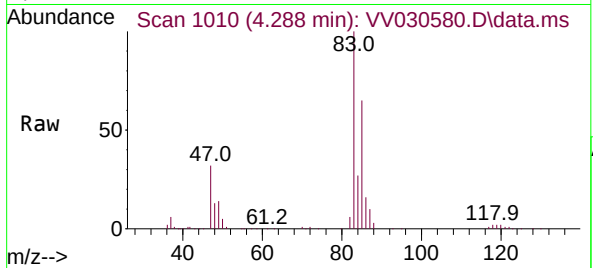




#25
Chloroform
Concen: 50.038 ug/L
RT: 4.288 min Scan# 1010
Delta R.T. 0.000 min
Lab File: VV030580.D
Acq: 17 Apr 2023 11:15

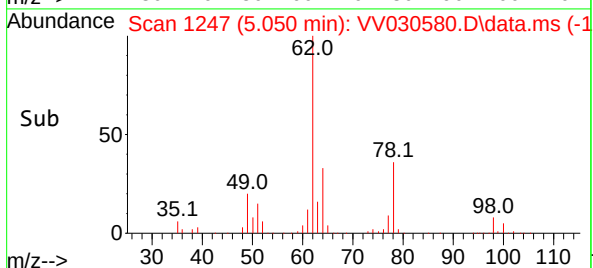
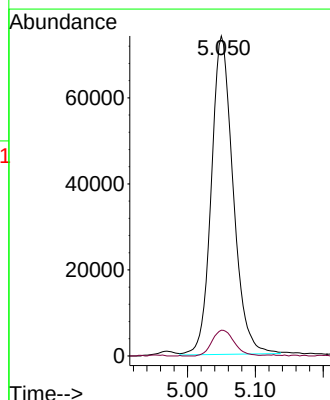
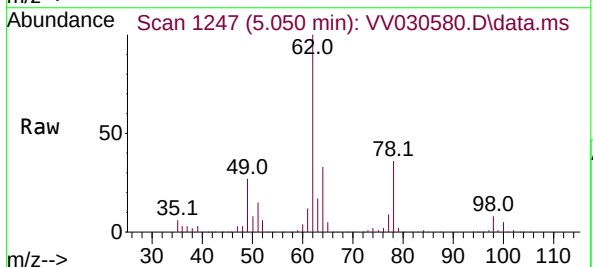
Instrument :
MSVOA_V
ClientSampleId :

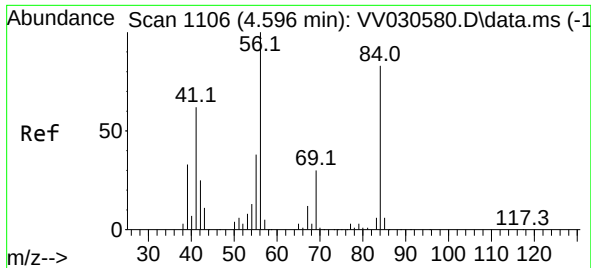
Tgt Ion: 83 Resp: 195101
Ion Ratio Lower Upper
83 100
85 65.5 45.8 85.2



#27
1,2-Dichloroethane
Concen: 50.181 ug/L
RT: 5.050 min Scan# 1247
Delta R.T. 0.000 min
Lab File: VV030580.D
Acq: 17 Apr 2023 11:15

Tgt Ion: 62 Resp: 165591
Ion Ratio Lower Upper
62 100
98 8.0 6.4 9.6





#29

Cyclohexane

Concen: 49.877 ug/L

RT: 4.596 min Scan# 1106

Delta R.T. 0.000 min

Lab File: VV030580.D

Acq: 17 Apr 2023 11:15

Instrument :

MSVOA_V

ClientSampleId :

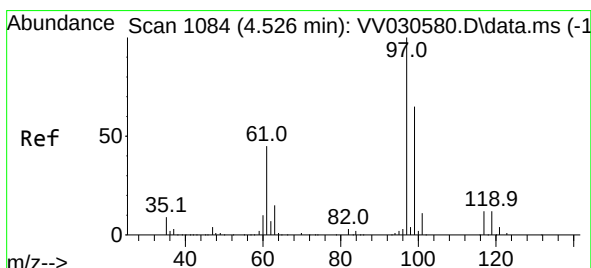
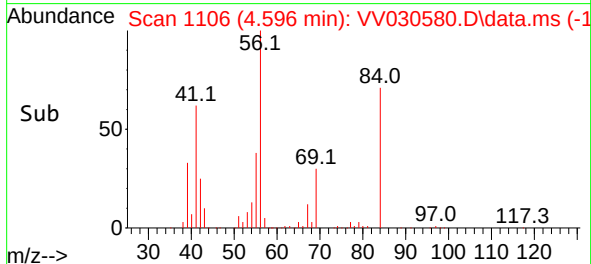
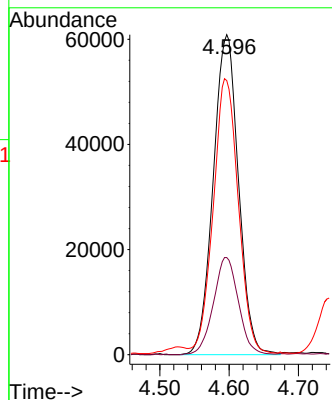
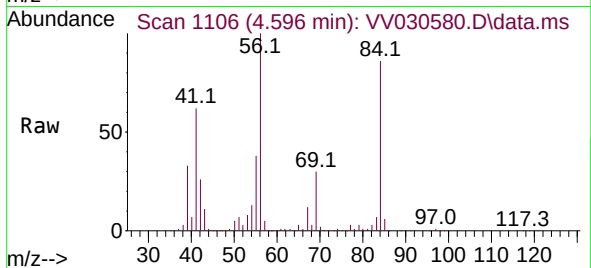
Tgt Ion: 56 Resp: 154474

Ion Ratio Lower Upper

56 100

69 30.0 24.0 36.0

84 85.2 68.2 102.2



#30

1,1,1-Trichloroethane

Concen: 48.654 ug/L

RT: 4.526 min Scan# 1084

Delta R.T. 0.000 min

Lab File: VV030580.D

Acq: 17 Apr 2023 11:15

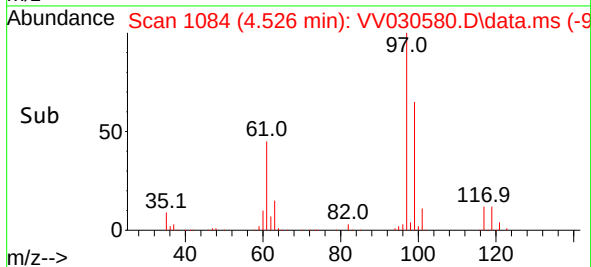
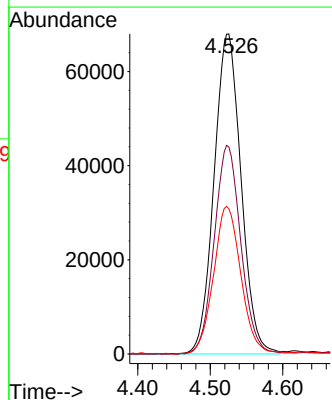
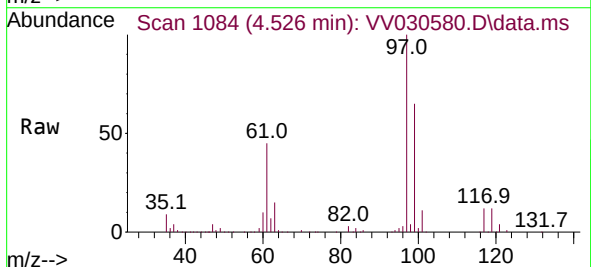
Tgt Ion: 97 Resp: 176441

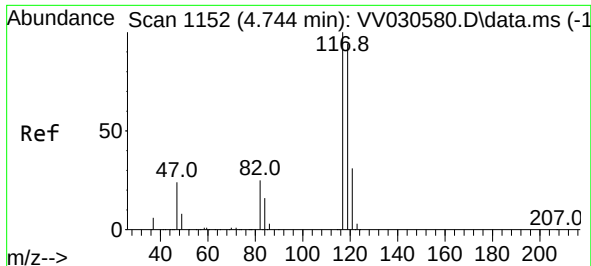
Ion Ratio Lower Upper

97 100

99 64.2 51.4 77.0

61 46.3 37.0 55.6

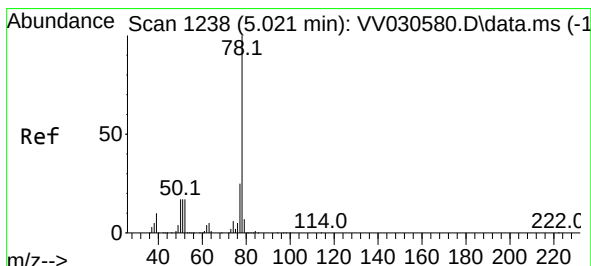
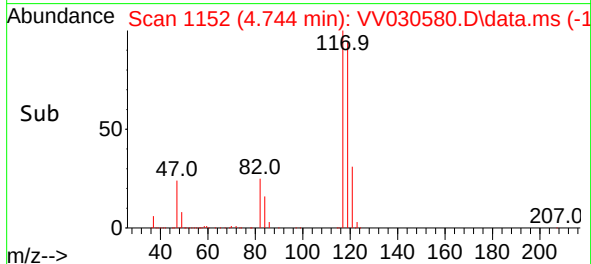
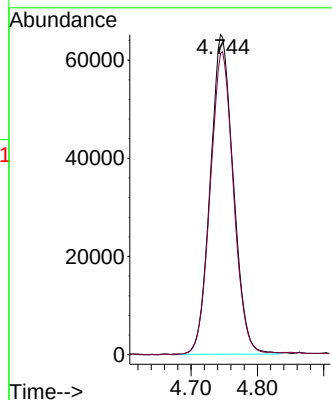
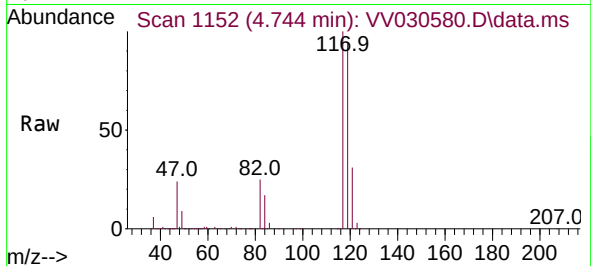




#31
Carbon tetrachloride
Concen: 48.589 ug/L
RT: 4.744 min Scan# 1152
Delta R.T. 0.000 min
Lab File: VV030580.D
Acq: 17 Apr 2023 11:15

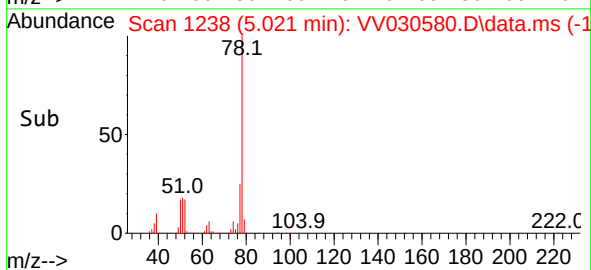
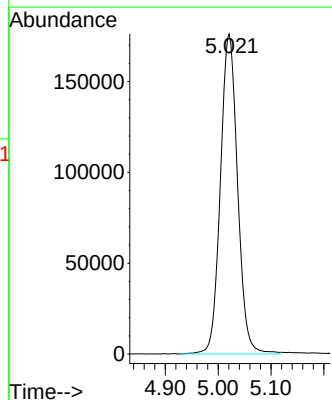
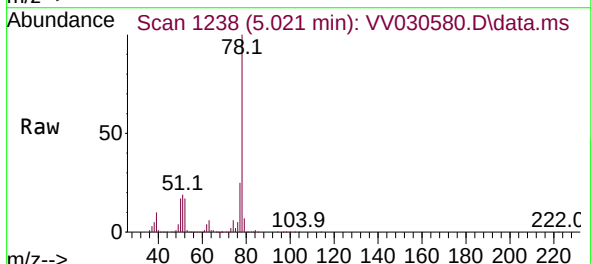
Instrument :
MSVOA_V
ClientSampleId :

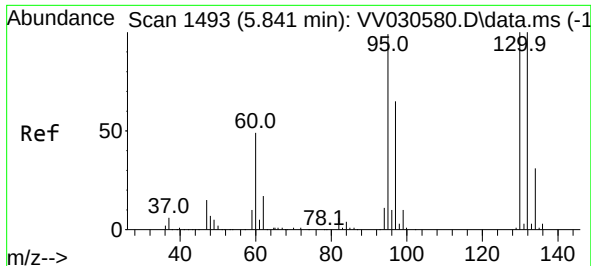
Tgt Ion:117 Resp: 157540
Ion Ratio Lower Upper
117 100
119 94.9 75.9 113.9



#33
Benzene
Concen: 50.833 ug/L
RT: 5.021 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VV030580.D
Acq: 17 Apr 2023 11:15

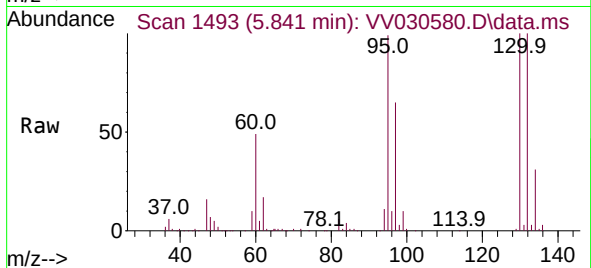
Tgt Ion: 78 Resp: 398384





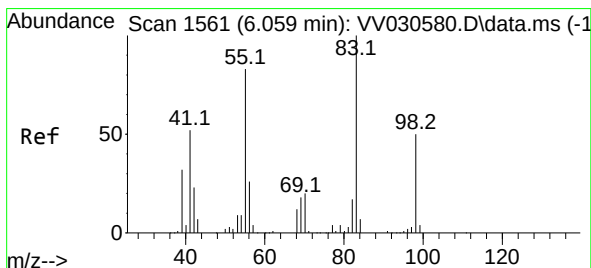
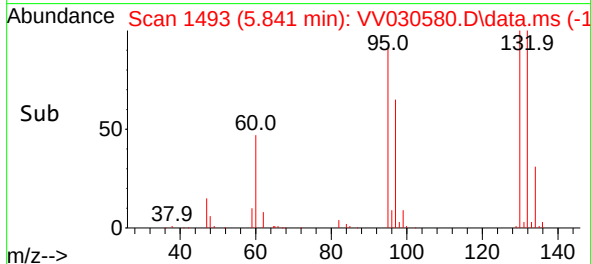
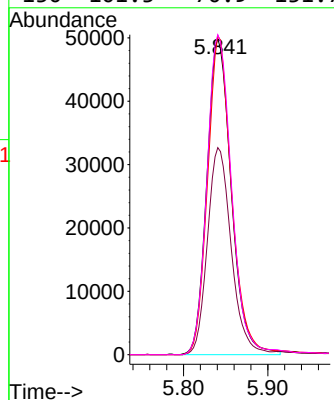
#34
Trichloroethene
Concen: 49.321 ug/L
RT: 5.841 min Scan# 1493
Delta R.T. 0.000 min
Lab File: VV030580.D
Acq: 17 Apr 2023 11:15

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 95 Resp: 100542

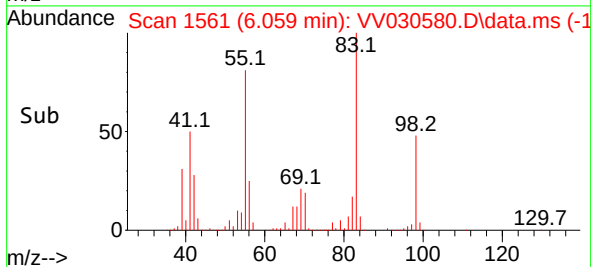
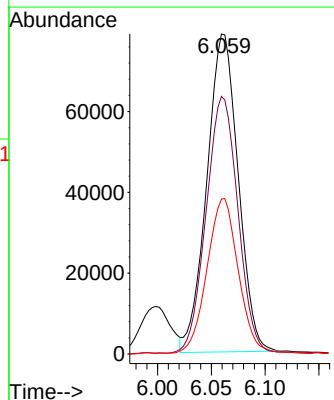
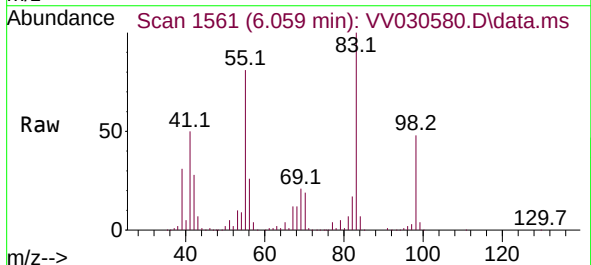
Ion	Ratio	Lower	Upper
95	100		
97	65.5	45.8	85.2
132	100.9	70.6	131.2
130	101.3	70.9	131.7

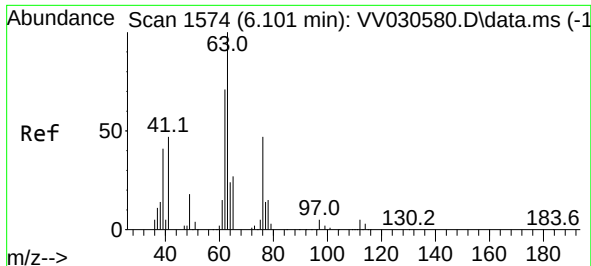


#35
Methylcyclohexane
Concen: 49.986 ug/L
RT: 6.059 min Scan# 1561
Delta R.T. 0.000 min
Lab File: VV030580.D
Acq: 17 Apr 2023 11:15

Tgt Ion: 83 Resp: 159663

Ion	Ratio	Lower	Upper
83	100		
55	81.9	65.5	98.3
98	48.4	38.7	58.1

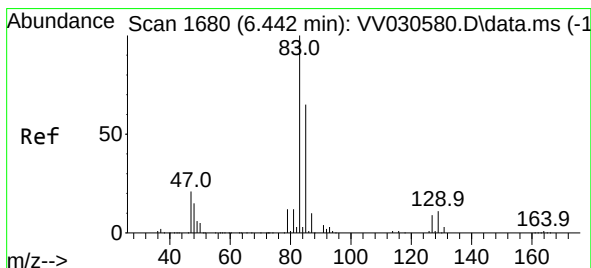
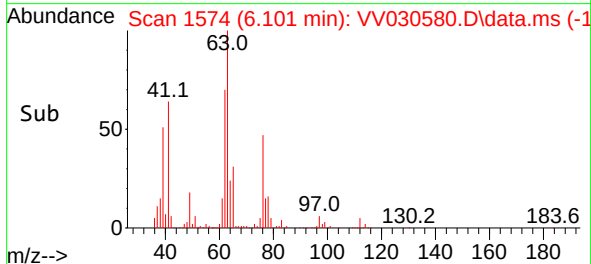
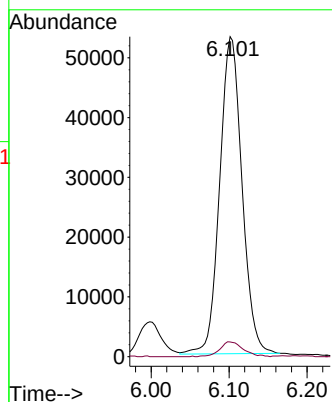
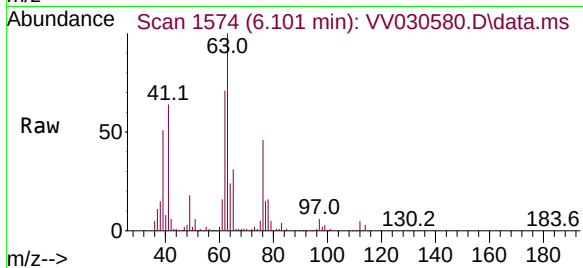




#37
1,2-Dichloropropane
Concen: 50.088 ug/L
RT: 6.101 min Scan# 1574
Delta R.T. 0.000 min
Lab File: VV030580.D
Acq: 17 Apr 2023 11:15

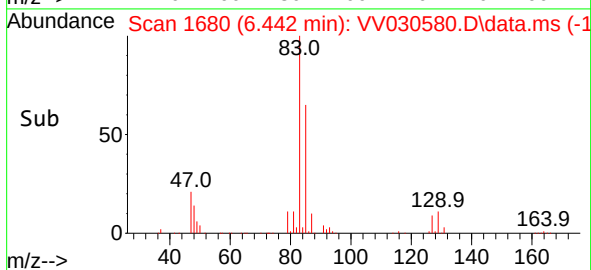
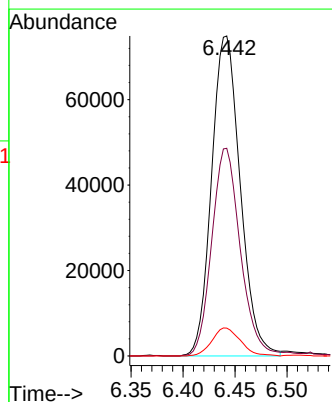
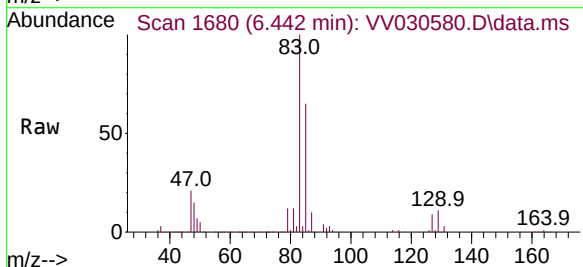
Instrument :
MSVOA_V
ClientSampleId :

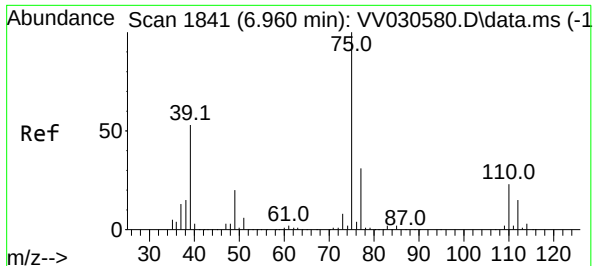
Tgt Ion: 63 Resp: 105656
Ion Ratio Lower Upper
63 100
112 4.8 3.8 5.8



#38
Bromodichloromethane
Concen: 48.595 ug/L
RT: 6.442 min Scan# 1680
Delta R.T. 0.000 min
Lab File: VV030580.D
Acq: 17 Apr 2023 11:15

Tgt Ion: 83 Resp: 143997
Ion Ratio Lower Upper
83 100
85 64.9 45.4 84.4
127 8.7 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 49.619 ug/L

RT: 6.960 min Scan# 1841

Delta R.T. 0.000 min

Lab File: VV030580.D

Acq: 17 Apr 2023 11:15

Instrument :

MSVOA_V

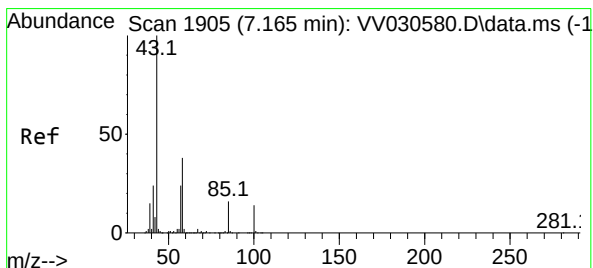
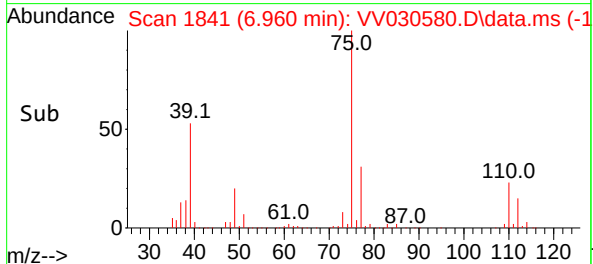
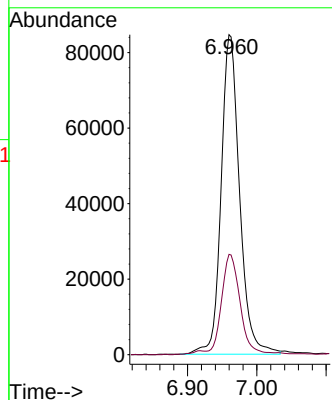
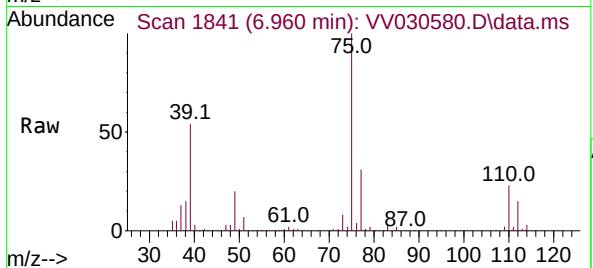
ClientSampleId :

Tgt Ion: 75 Resp: 157091

Ion Ratio Lower Upper

75 100

77 31.4 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 104.131 ug/L

RT: 7.165 min Scan# 1905

Delta R.T. 0.000 min

Lab File: VV030580.D

Acq: 17 Apr 2023 11:15

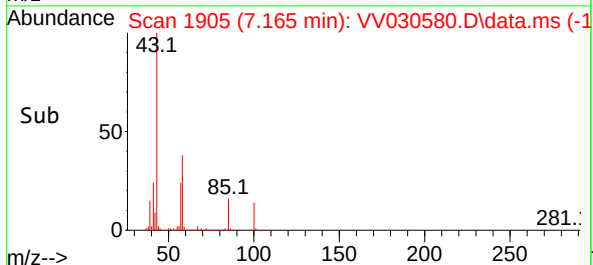
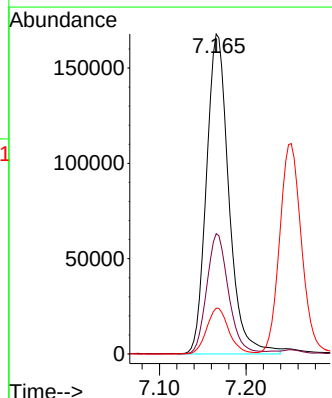
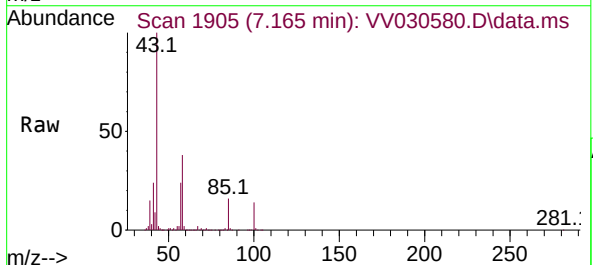
Tgt Ion: 43 Resp: 302601

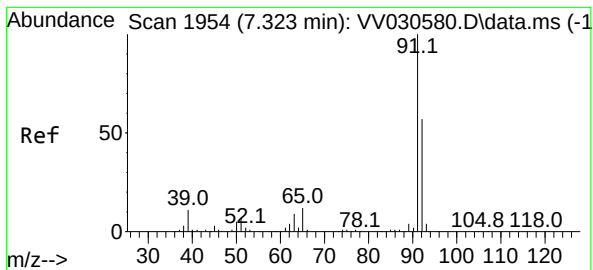
Ion Ratio Lower Upper

43 100

58 36.5 29.2 43.8

100 14.1 11.3 16.9





#42

Toluene

Concen: 52.242 ug/L

RT: 7.323 min Scan# 1954

Delta R.T. 0.000 min

Lab File: VV030580.D

Acq: 17 Apr 2023 11:15

Instrument :

MSVOA_V

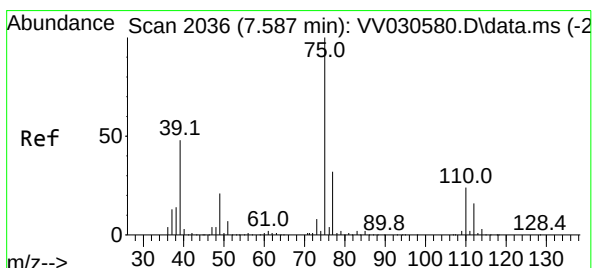
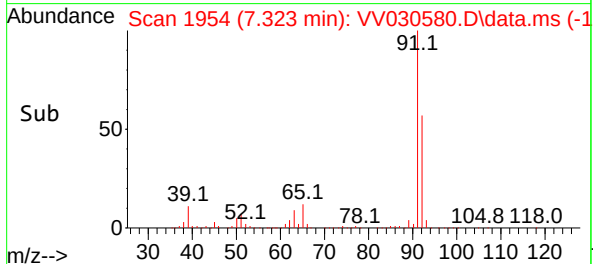
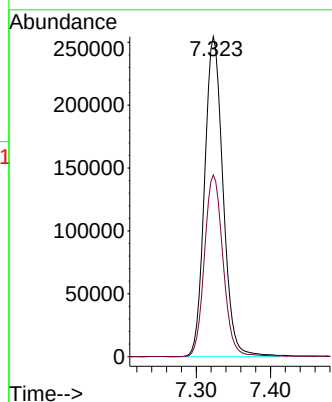
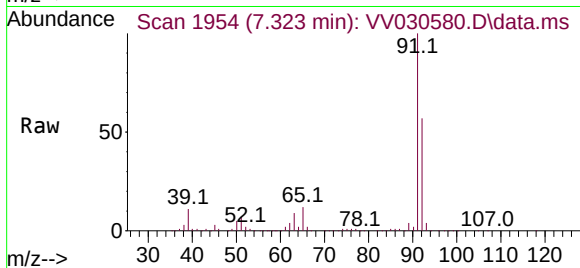
ClientSampleId :

Tgt Ion: 91 Resp: 438533

Ion Ratio Lower Upper

91 100

92 56.8 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 51.239 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. 0.000 min

Lab File: VV030580.D

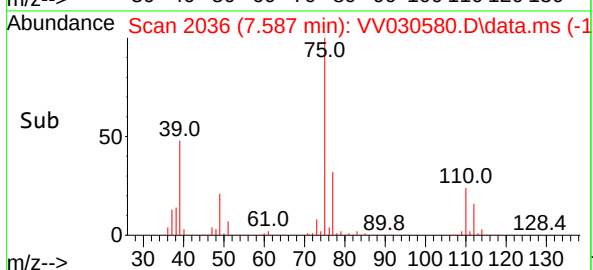
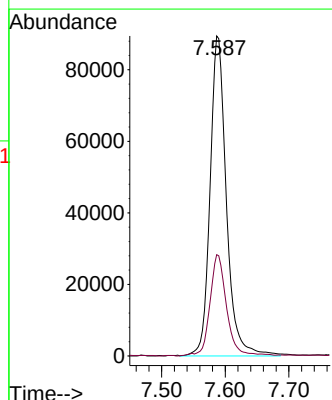
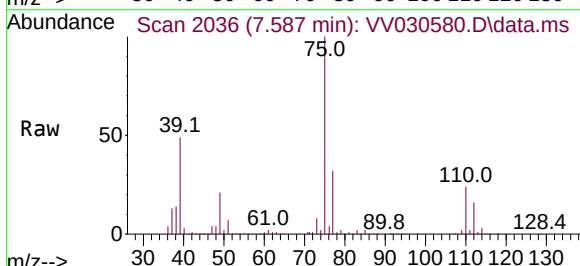
Acq: 17 Apr 2023 11:15

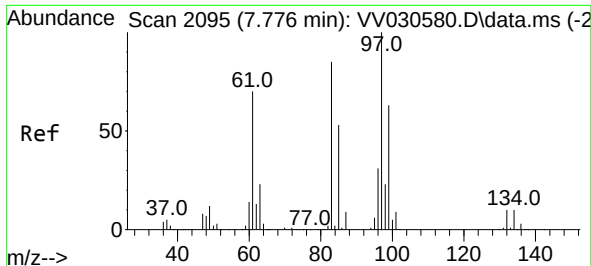
Tgt Ion: 75 Resp: 159374

Ion Ratio Lower Upper

75 100

77 31.6 22.1 41.1





#45

1,1,2-Trichloroethane

Concen: 49.664 ug/L

RT: 7.776 min Scan# 2095

Delta R.T. 0.000 min

Lab File: VV030580.D

Acq: 17 Apr 2023 11:15

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 105049

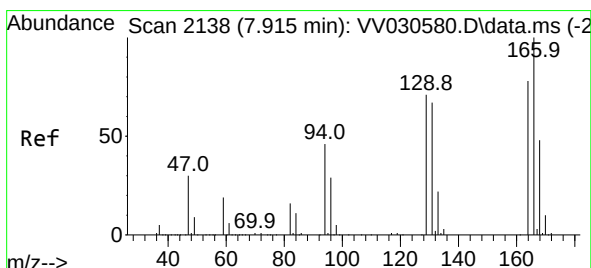
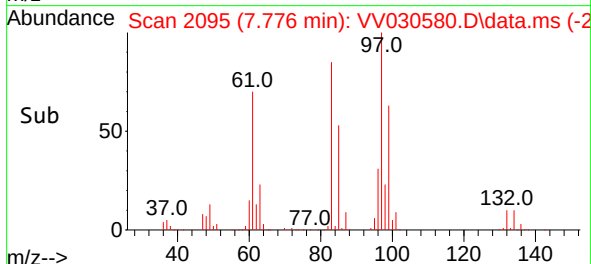
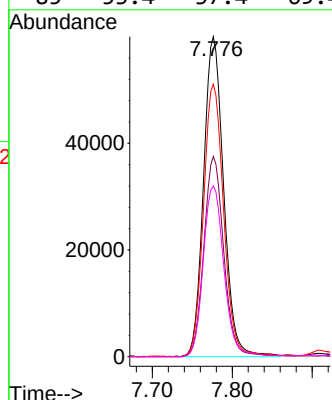
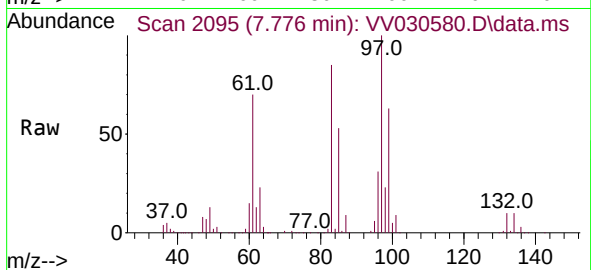
Ion Ratio Lower Upper

97 100

99 62.6 43.8 81.4

83 85.1 59.6 110.6

85 53.4 37.4 69.4



#46

Tetrachloroethene

Concen: 49.250 ug/L

RT: 7.915 min Scan# 2138

Delta R.T. 0.000 min

Lab File: VV030580.D

Acq: 17 Apr 2023 11:15

Tgt Ion:164 Resp: 87879

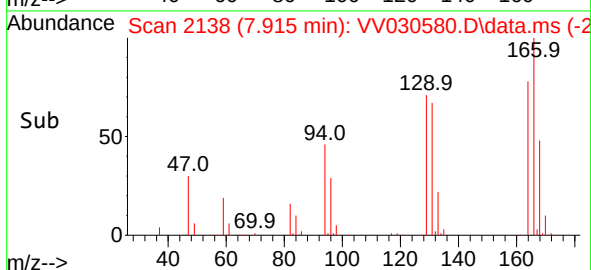
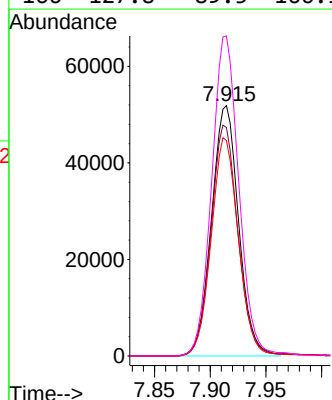
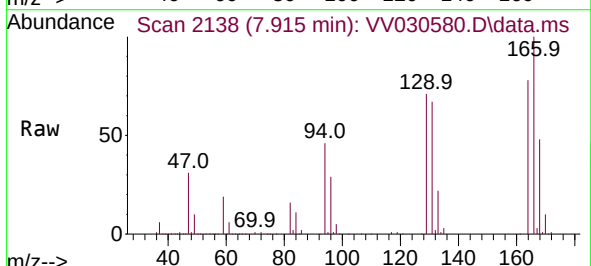
Ion Ratio Lower Upper

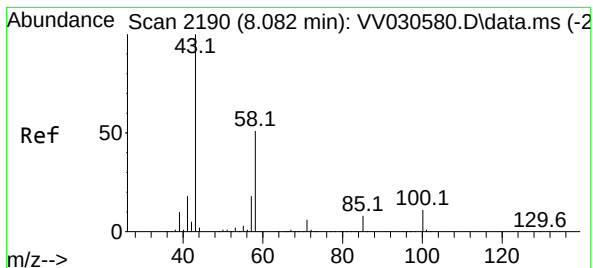
164 100

129 91.2 63.8 118.6

131 86.1 60.3 111.9

166 127.8 89.5 166.1





#48

2-Hexanone

Concen: 105.112 ug/L

RT: 8.082 min Scan# 2190

Delta R.T. 0.000 min

Lab File: VV030580.D

Acq: 17 Apr 2023 11:15

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 43 Resp: 245457

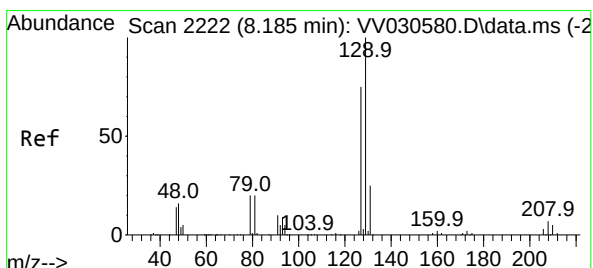
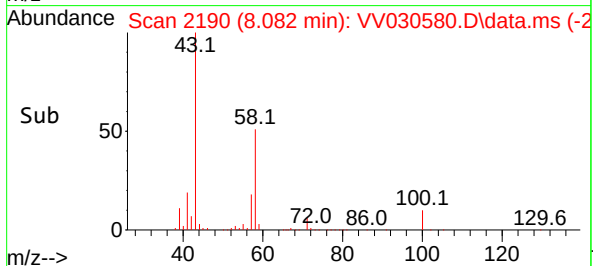
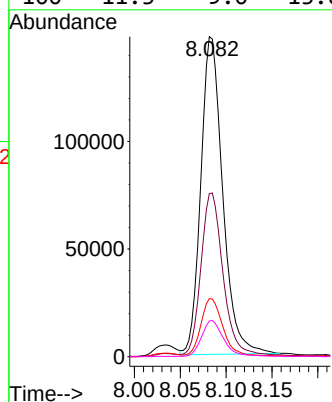
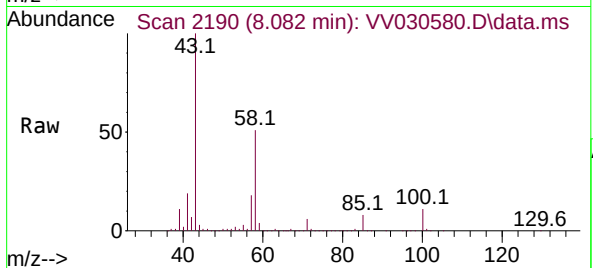
Ion Ratio Lower Upper

43 100

58 51.7 41.4 62.0

57 18.6 14.9 22.3

100 11.3 9.0 13.6



#49

Dibromochloromethane

Concen: 48.912 ug/L

RT: 8.185 min Scan# 2222

Delta R.T. 0.000 min

Lab File: VV030580.D

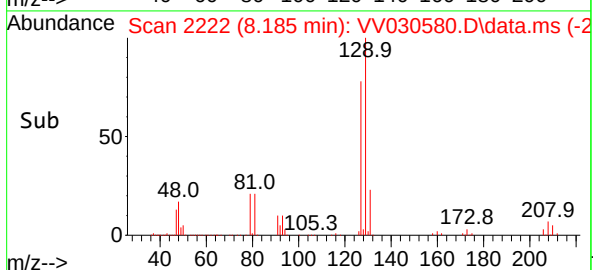
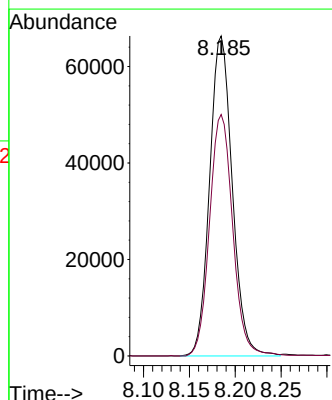
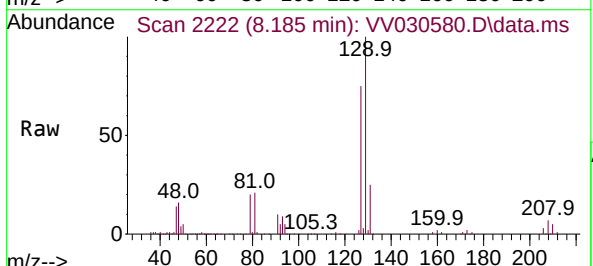
Acq: 17 Apr 2023 11:15

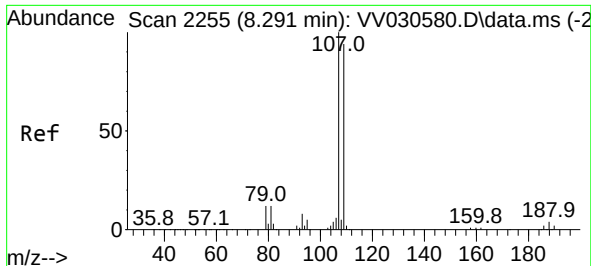
Tgt Ion: 129 Resp: 114117

Ion Ratio Lower Upper

129 100

127 75.5 52.8 98.2





#50

1,2-Dibromoethane

Concen: 49.866 ug/L

RT: 8.291 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV030580.D

Acq: 17 Apr 2023 11:15

Instrument :

MSVOA_V

ClientSampleId :

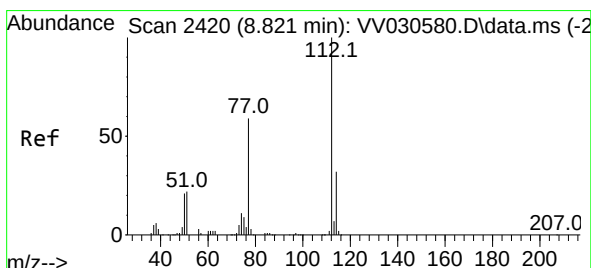
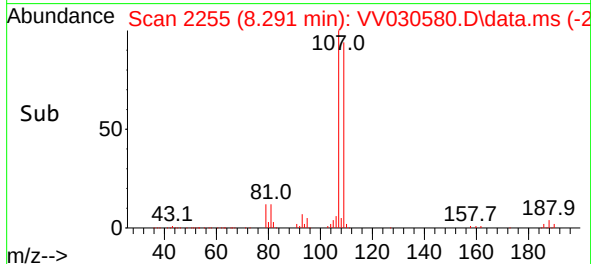
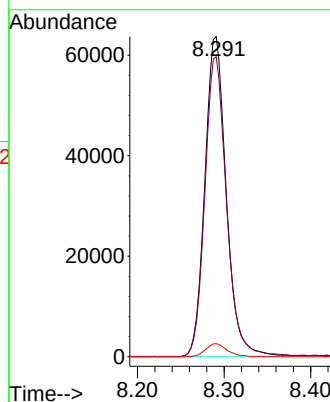
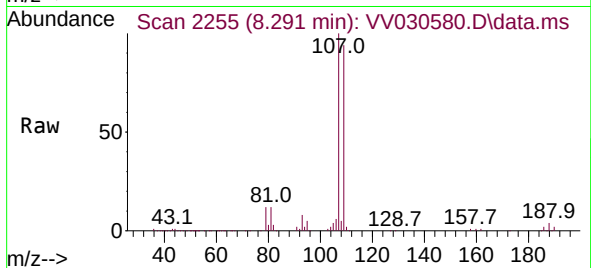
Tgt Ion:107 Resp: 109288

Ion Ratio Lower Upper

107 100

109 93.8 65.7 121.9

188 4.0 3.2 4.8



#51

Chlorobenzene

Concen: 49.364 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. 0.000 min

Lab File: VV030580.D

Acq: 17 Apr 2023 11:15

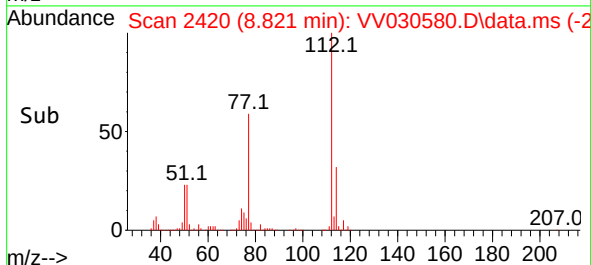
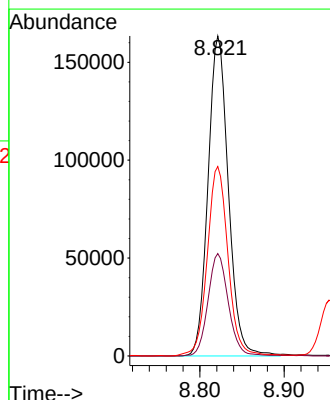
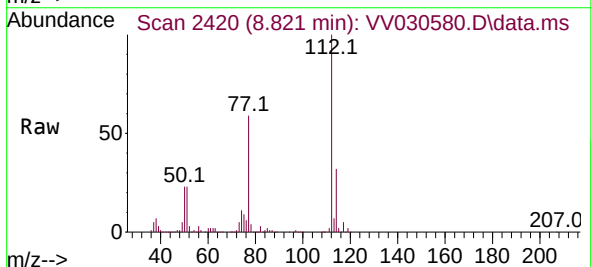
Tgt Ion:112 Resp: 274433

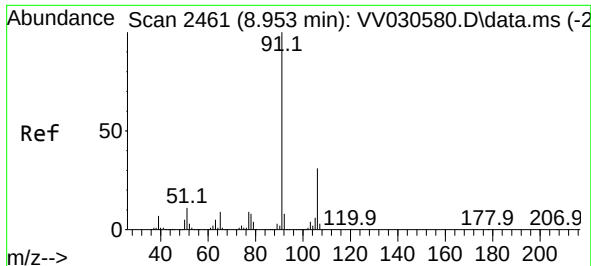
Ion Ratio Lower Upper

112 100

114 32.0 22.4 41.6

77 59.2 47.4 71.0

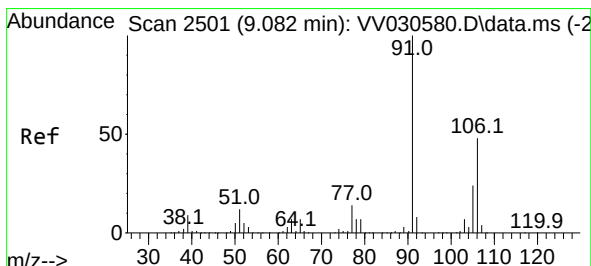
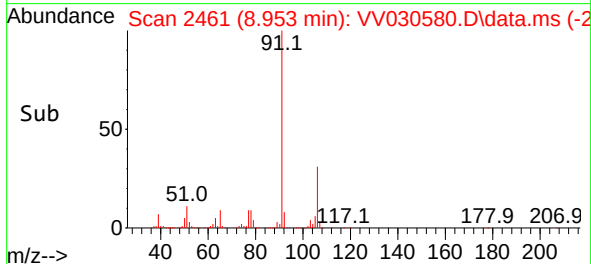
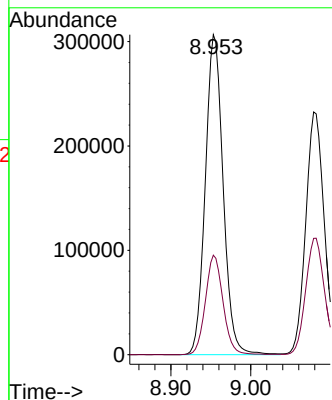
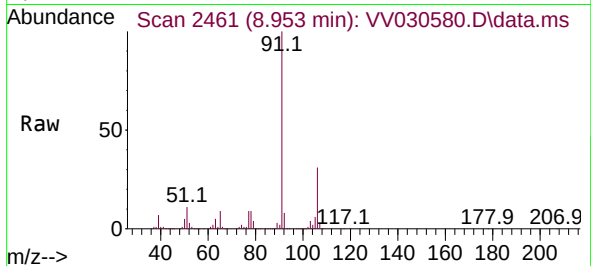




#52
Ethylbenzene
Concen: 51.276 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. 0.000 min
Lab File: VV030580.D
Acq: 17 Apr 2023 11:15

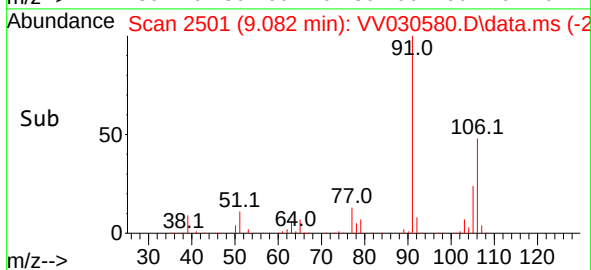
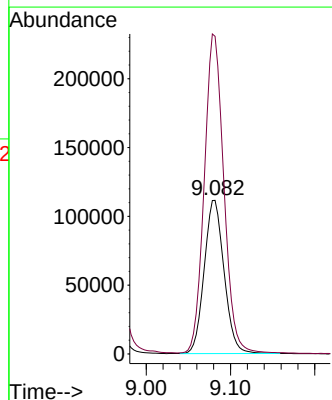
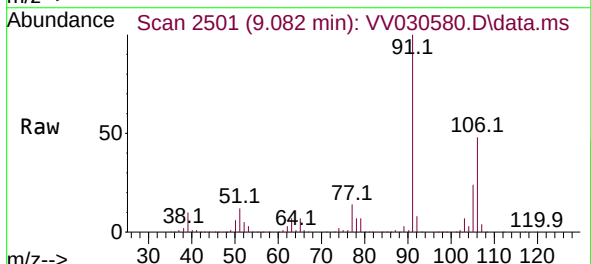
Instrument :
MSVOA_V
ClientSampleId :

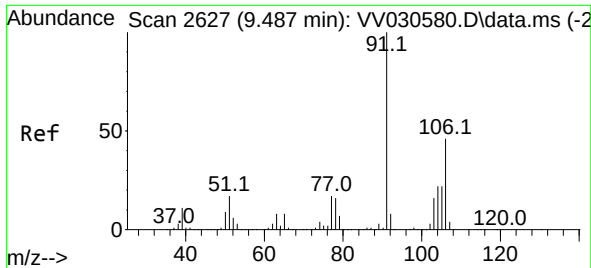
Tgt Ion: 91 Resp: 476504
Ion Ratio Lower Upper
91 100
106 31.1 21.8 40.4



#53
m,p-Xylene
Concen: 52.234 ug/L
RT: 9.082 min Scan# 2501
Delta R.T. 0.000 min
Lab File: VV030580.D
Acq: 17 Apr 2023 11:15

Tgt Ion: 106 Resp: 183352
Ion Ratio Lower Upper
106 100
91 206.7 144.7 268.7

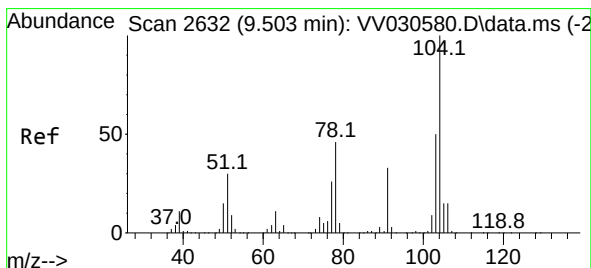
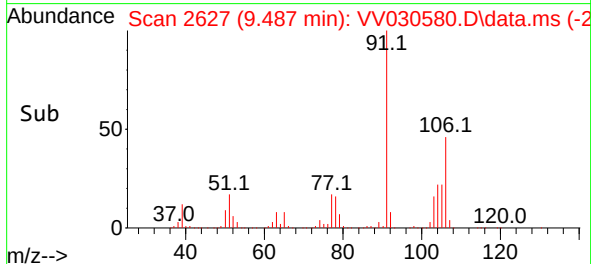
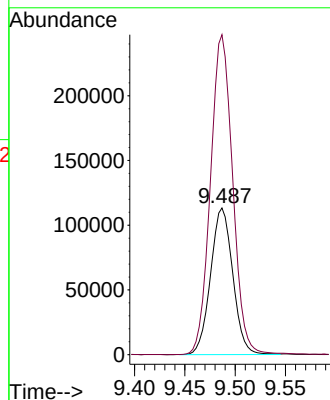
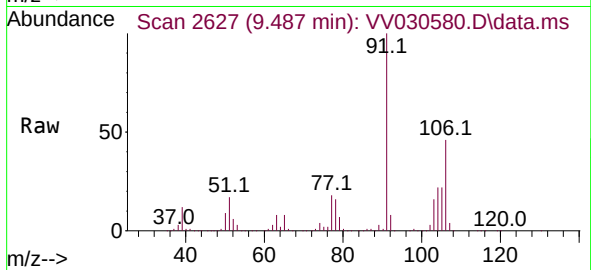




#54
o-Xylene
Concen: 50.693 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. 0.000 min
Lab File: VV030580.D
Acq: 17 Apr 2023 11:15

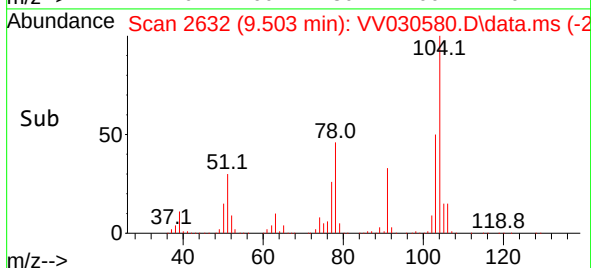
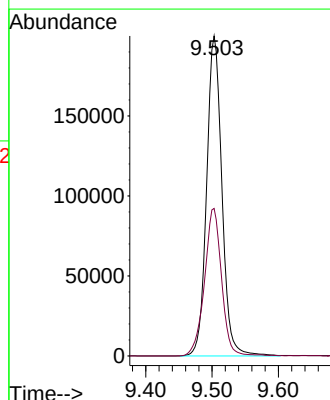
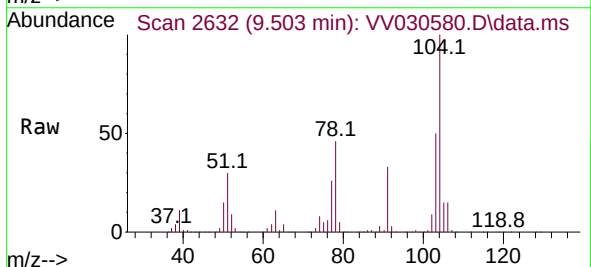
Instrument :
MSVOA_V
ClientSampleId :

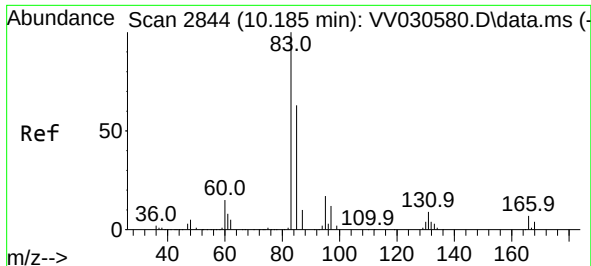
Tgt Ion:106 Resp: 174080
Ion Ratio Lower Upper
106 100
91 218.0 152.6 283.4



#55
Styrene
Concen: 53.210 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. 0.000 min
Lab File: VV030580.D
Acq: 17 Apr 2023 11:15

Tgt Ion:104 Resp: 320969
Ion Ratio Lower Upper
104 100
78 46.1 32.3 59.9





#57

1,1,2,2-Tetrachloroethane

Concen: 49.199 ug/L

RT: 10.185 min Scan# 2844

Delta R.T. 0.000 min

Lab File: VV030580.D

Acq: 17 Apr 2023 11:15

Instrument :

MSVOA_V

ClientSampleId :

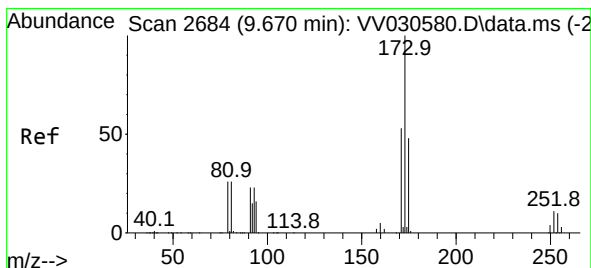
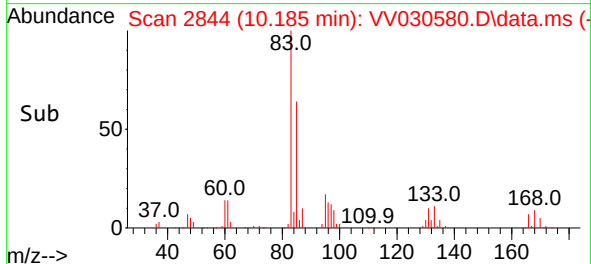
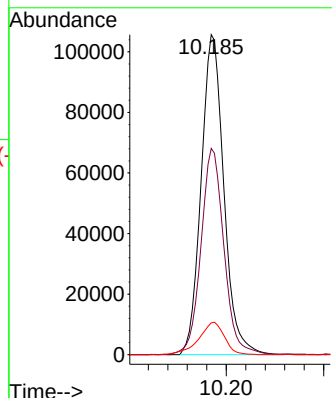
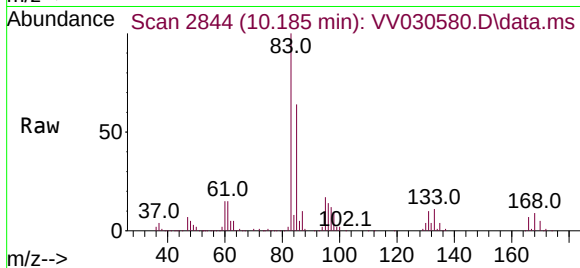
Tgt Ion: 83 Resp: 170858

Ion Ratio Lower Upper

83 100

85 64.4 45.1 83.7

131 10.0 8.0 12.0



#59

Bromoform

Concen: 48.434 ug/L

RT: 9.670 min Scan# 2684

Delta R.T. 0.000 min

Lab File: VV030580.D

Acq: 17 Apr 2023 11:15

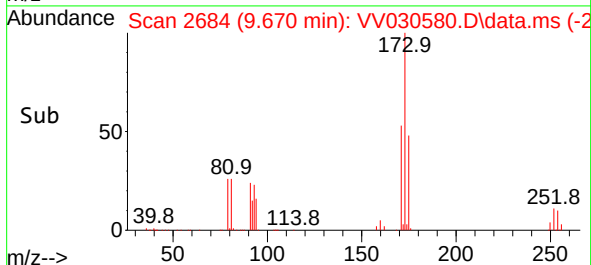
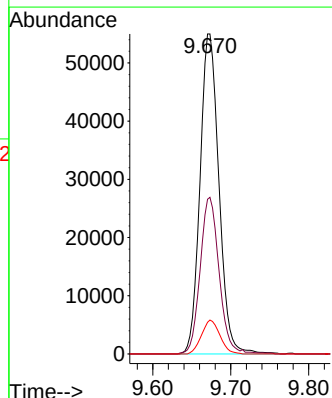
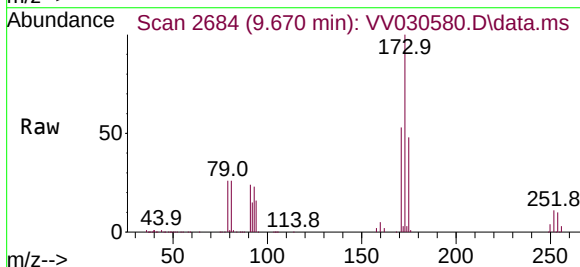
Tgt Ion: 173 Resp: 92737

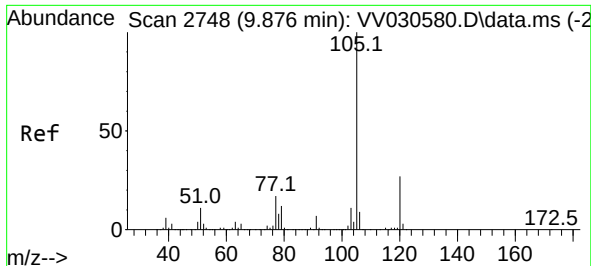
Ion Ratio Lower Upper

173 100

175 48.5 38.8 58.2

254 10.3 8.2 12.4

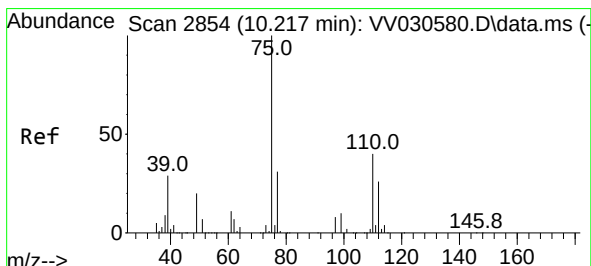
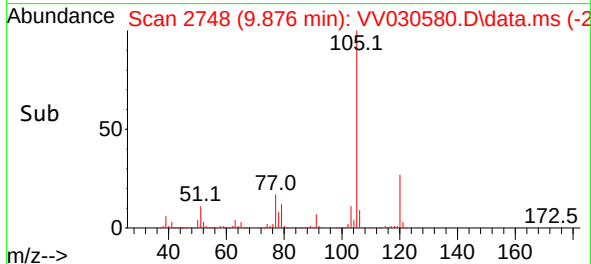
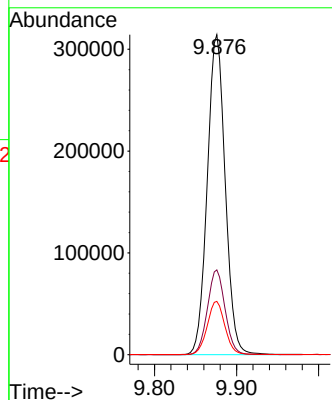
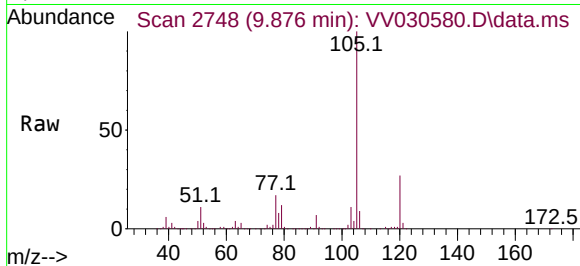




#60
Isopropylbenzene
Concen: 50.166 ug/L
RT: 9.876 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV030580.D
Acq: 17 Apr 2023 11:15

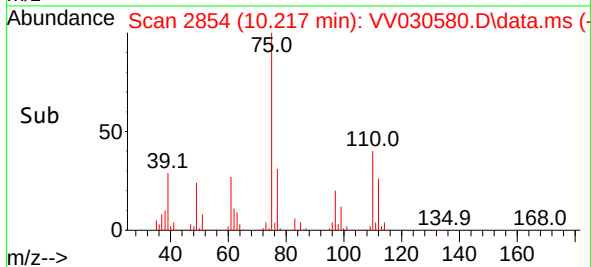
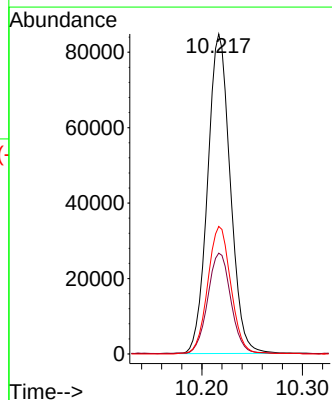
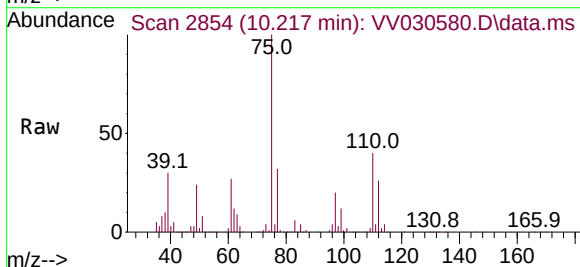
Instrument :
MSVOA_V
ClientSampleId :

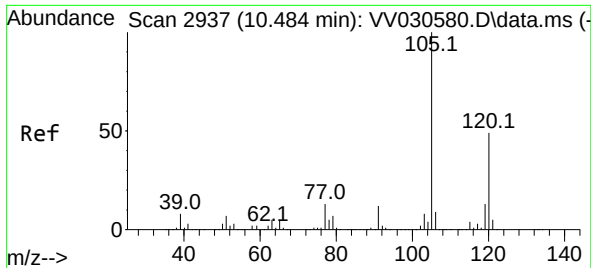
Tgt Ion:105 Resp: 478465
Ion Ratio Lower Upper
105 100
120 26.1 20.9 31.3
77 16.3 13.0 19.6



#61
1,2,3-Trichloropropane
Concen: 48.324 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. 0.000 min
Lab File: VV030580.D
Acq: 17 Apr 2023 11:15

Tgt Ion: 75 Resp: 132362
Ion Ratio Lower Upper
75 100
77 32.1 25.7 38.5
110 41.0 32.8 49.2

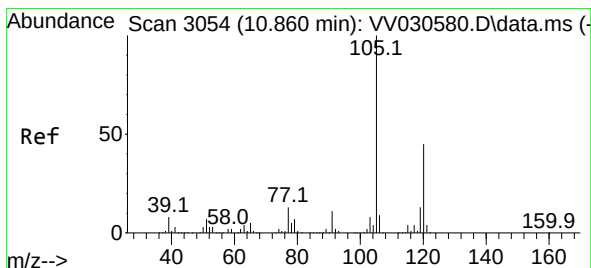
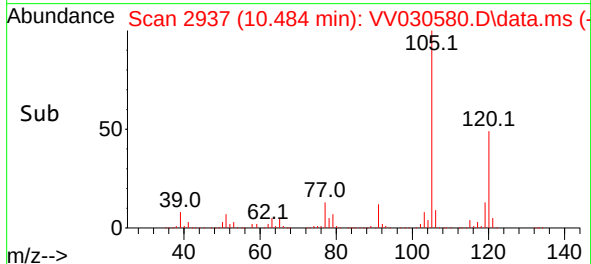
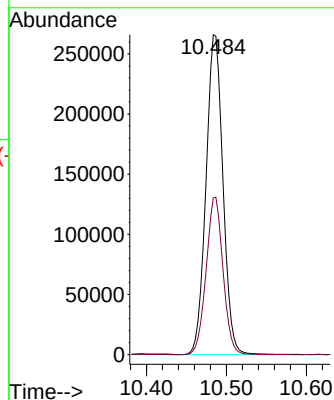
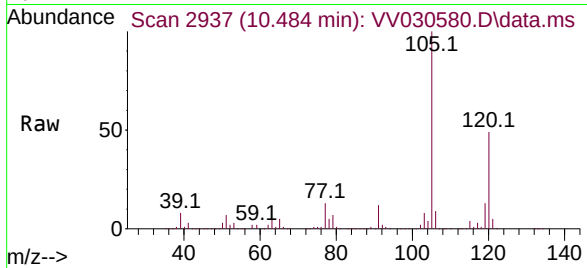




#62
 1,3,5-Trimethylbenzene
 Concen: 50.032 ug/L
 RT: 10.484 min Scan# 2937
 Delta R.T. 0.000 min
 Lab File: VV030580.D
 Acq: 17 Apr 2023 11:15

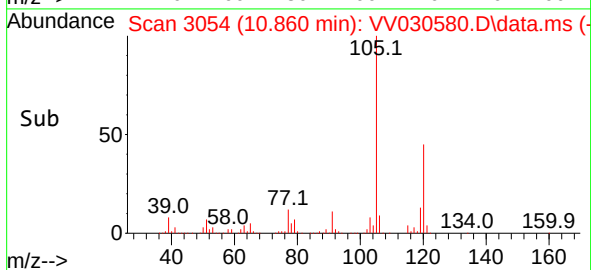
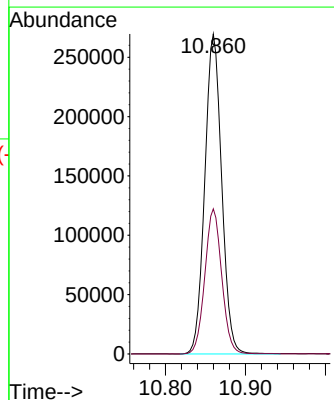
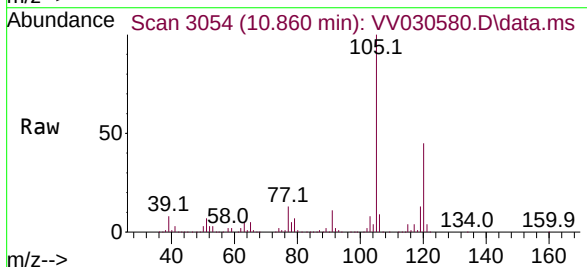
Instrument :
 MSVOA_V
 ClientSampleId :

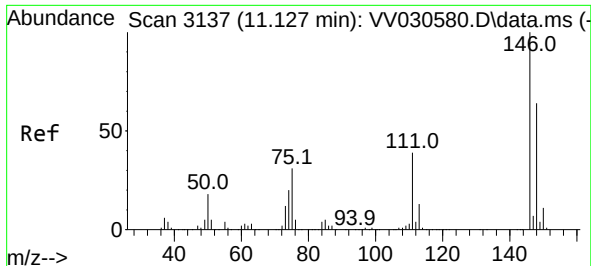
Tgt Ion:105 Resp: 392883
 Ion Ratio Lower Upper
 105 100
 120 49.0 39.2 58.8



#63
 1,2,4-Trimethylbenzene
 Concen: 50.623 ug/L
 RT: 10.860 min Scan# 3054
 Delta R.T. 0.000 min
 Lab File: VV030580.D
 Acq: 17 Apr 2023 11:15

Tgt Ion:105 Resp: 396910
 Ion Ratio Lower Upper
 105 100
 120 45.3 36.2 54.4

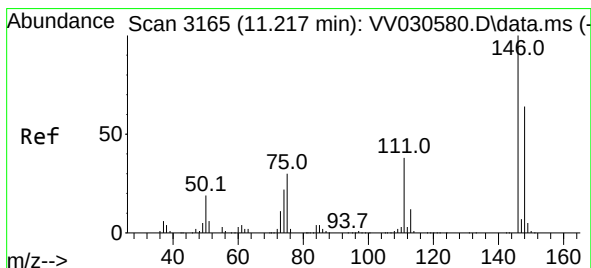
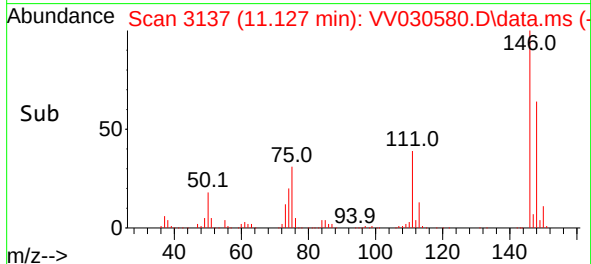
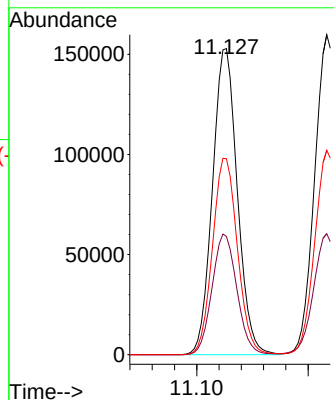
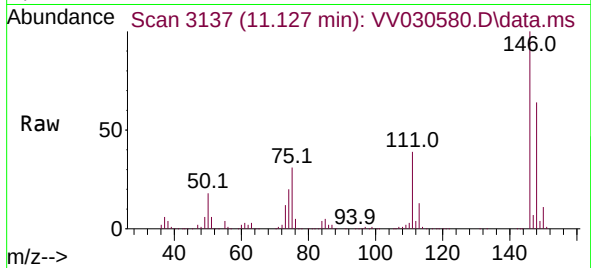




#64
1,3-Dichlorobenzene
Concen: 49.608 ug/L
RT: 11.127 min Scan# 3137
Delta R.T. 0.000 min
Lab File: VV030580.D
Acq: 17 Apr 2023 11:15

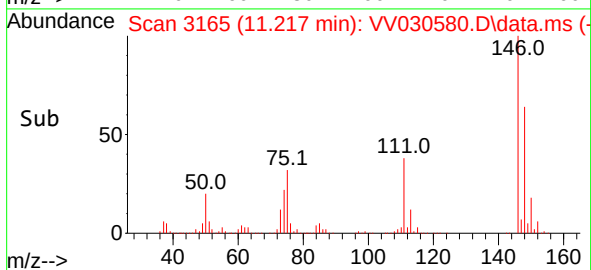
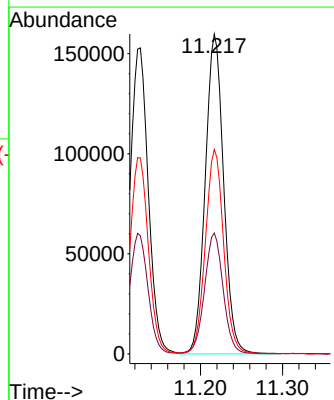
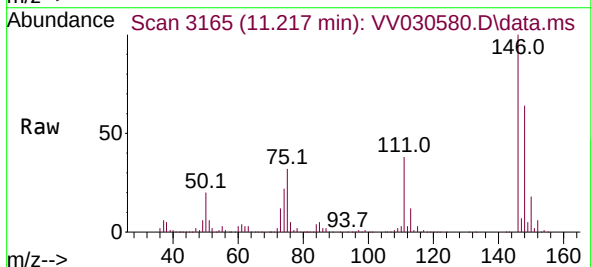
Instrument :
MSVOA_V
ClientSampleId :

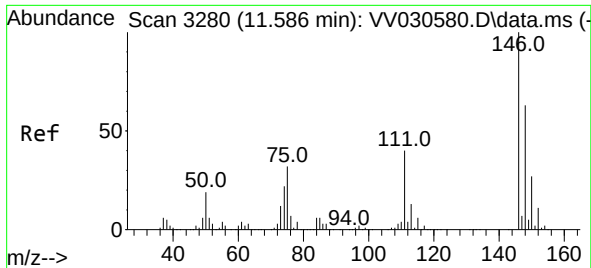
Tgt Ion:146 Resp: 236880
Ion Ratio Lower Upper
146 100
111 38.6 27.0 50.2
148 64.0 44.8 83.2



#65
1,4-Dichlorobenzene
Concen: 49.434 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. 0.000 min
Lab File: VV030580.D
Acq: 17 Apr 2023 11:15

Tgt Ion:146 Resp: 248911
Ion Ratio Lower Upper
146 100
111 37.8 26.5 49.1
148 63.9 44.7 83.1

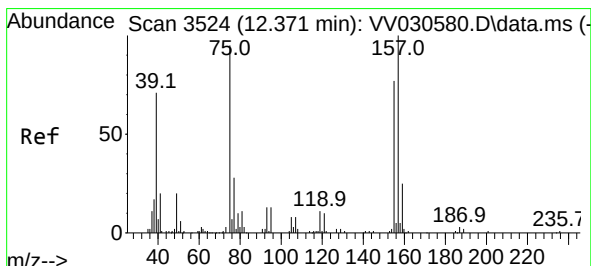
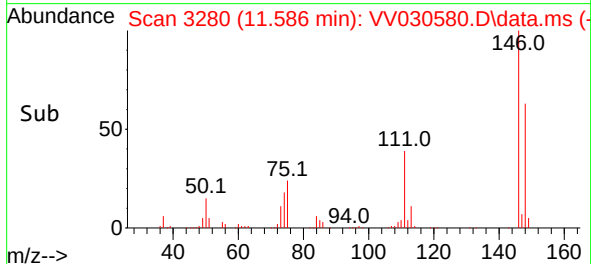
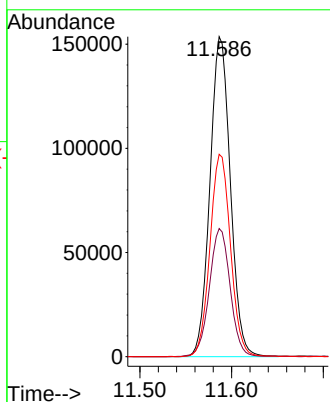
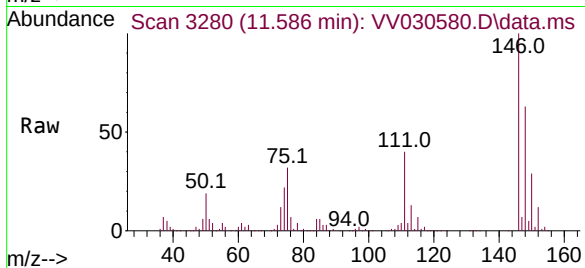




#67
1,2-Dichlorobenzene
Concen: 49.283 ug/L
RT: 11.586 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV030580.D
Acq: 17 Apr 2023 11:15

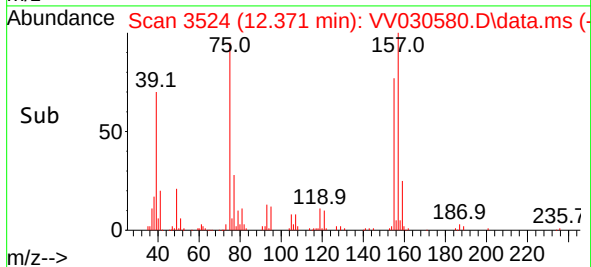
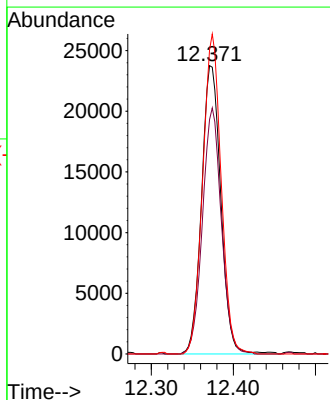
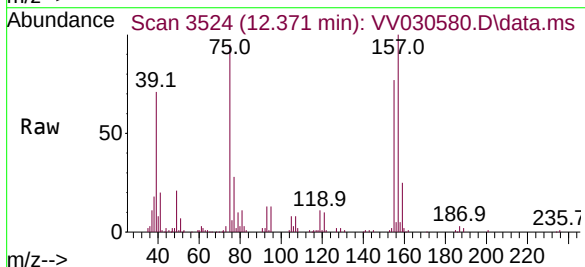
Instrument :
MSVOA_V
ClientSampleId :

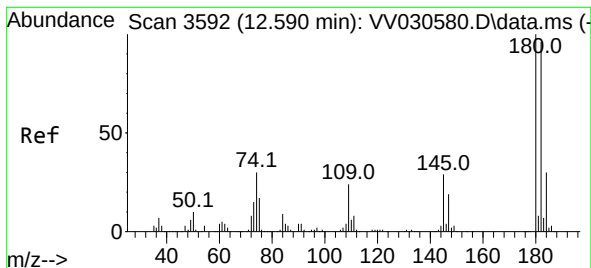
Tgt Ion:146 Resp: 237406
Ion Ratio Lower Upper
146 100
111 40.0 32.0 48.0
148 63.3 50.6 76.0



#68
1,2-Dibromo-3-chloropropane
Concen: 47.661 ug/L
RT: 12.371 min Scan# 3524
Delta R.T. 0.000 min
Lab File: VV030580.D
Acq: 17 Apr 2023 11:15

Tgt Ion: 75 Resp: 38620
Ion Ratio Lower Upper
75 100
155 81.3 65.0 97.6
157 105.5 84.4 126.6





#69

1,3,5-Trichlorobenzene

Concen: 49.070 ug/L

RT: 12.590 min Scan# 3592

Delta R.T. 0.000 min

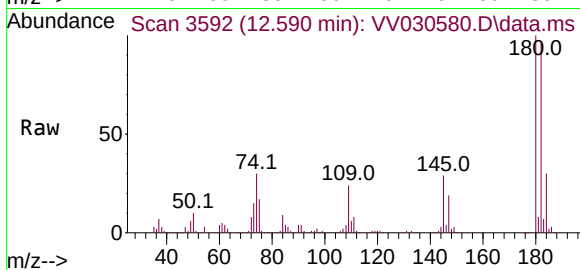
Lab File: VV030580.D

Acq: 17 Apr 2023 11:15

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 177001

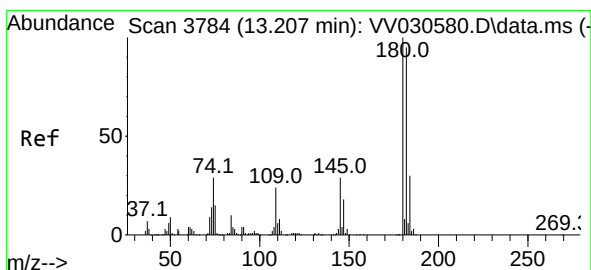
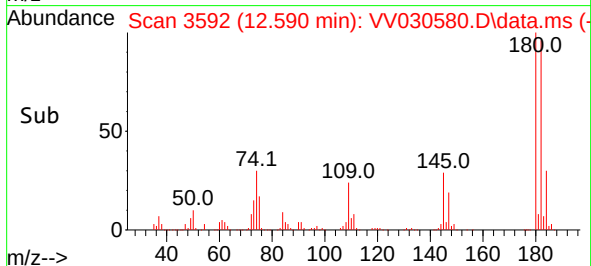
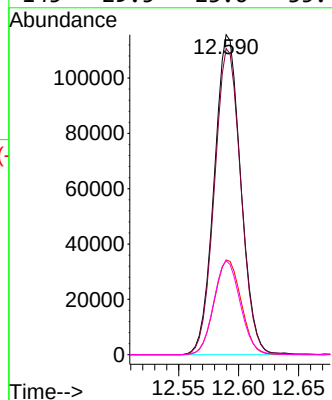
Ion Ratio Lower Upper

180 100

182 95.5 76.4 114.6

184 30.1 24.1 36.1

145 29.5 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 49.703 ug/L

RT: 13.207 min Scan# 3784

Delta R.T. 0.000 min

Lab File: VV030580.D

Acq: 17 Apr 2023 11:15

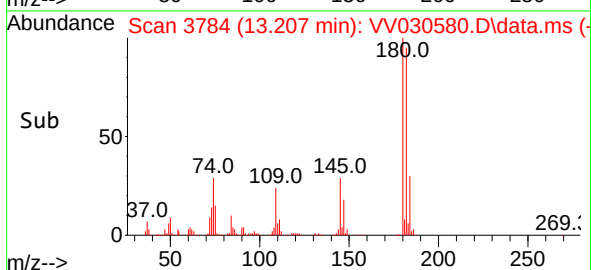
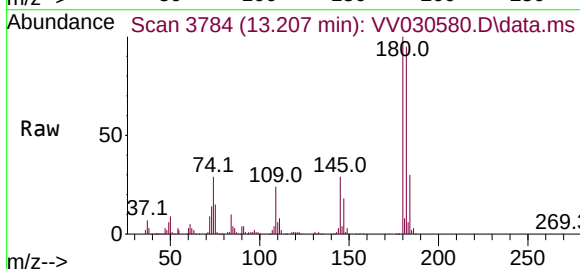
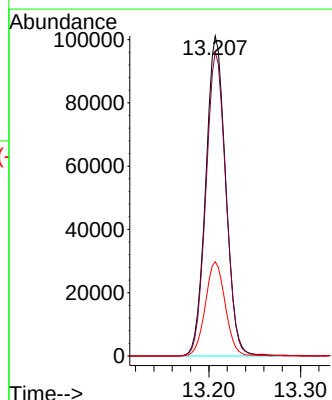
Tgt Ion:180 Resp: 152221

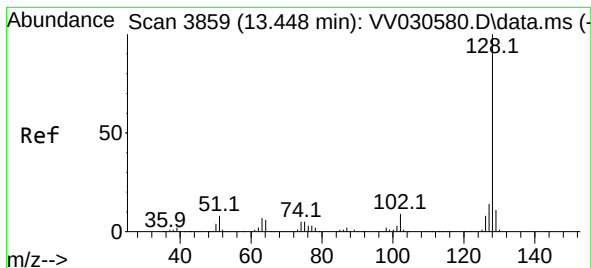
Ion Ratio Lower Upper

180 100

182 94.9 75.9 113.9

145 29.3 23.4 35.2





#71

Naphthalene

Concen: 50.435 ug/L

RT: 13.448 min Scan# 3859

Delta R.T. 0.000 min

Lab File: VV030580.D

Acq: 17 Apr 2023 11:15

Instrument :

MSVOA_V

ClientSampleId :

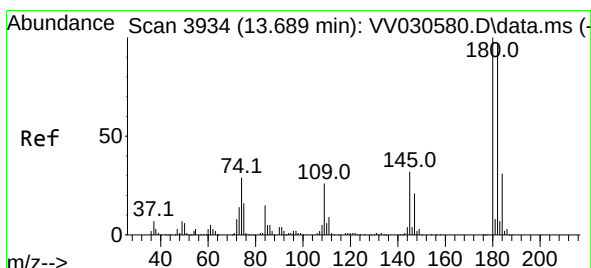
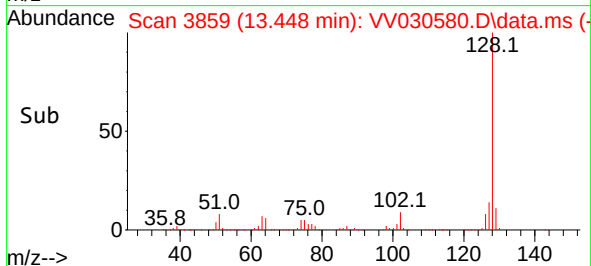
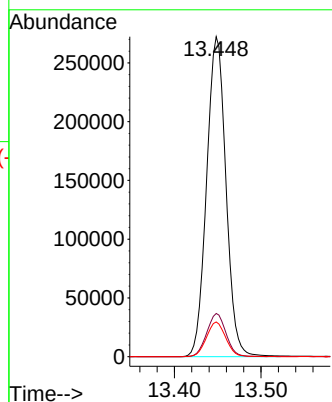
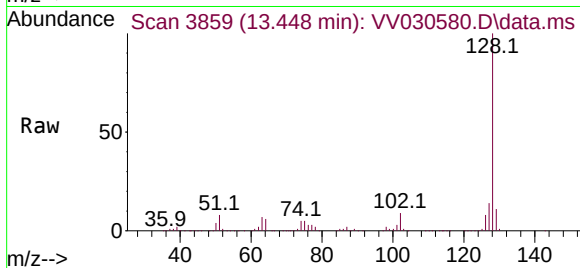
Tgt Ion:128 Resp: 422534

Ion Ratio Lower Upper

128 100

127 13.4 10.7 16.1

129 10.8 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 51.326 ug/L

RT: 13.689 min Scan# 3934

Delta R.T. 0.000 min

Lab File: VV030580.D

Acq: 17 Apr 2023 11:15

Tgt Ion:180 Resp: 155873

Ion Ratio Lower Upper

180 100

182 95.3 76.2 114.4

145 31.4 25.1 37.7

