

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051523\
 Data File : VW025978.D
 Acq On : 15 May 2023 12:37
 Operator : SY/MD
 Sample : 02769-03MS
 Misc : 5.13g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GBW01MS

Quant Time: May 15 23:35:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon May 15 23:34:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	635752	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	578693	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	289609	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	189767	21.064	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.240%
7) Chloroethane-d5	2.893	69	140522	21.039	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.160%
11) 1,1-Dichloroethene-d2	4.021	65	98658	21.870	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	87.480%
21) 2-Butanone-d5	7.069	46	229869	77.182	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	154.360%#
24) Chloroform-d	7.648	84	463899	25.305	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.240%
26) 1,2-Dichloroethane-d4	8.307	65	282513	27.253	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	109.000%
32) Benzene-d6	8.270	84	871414	23.045	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.200%
36) 1,2-Dichloropropane-d6	9.270	67	303390	25.077	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.320%
41) Toluene-d8	10.325	98	782110	23.195	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.800%
43) trans-1,3-Dichloroprop...	10.575	79	127850	26.070	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	104.280%
47) 2-Hexanone-d5	10.922	63	171079	82.927	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	165.860%#
56) 1,1,2,2-Tetrachloroeth...	12.690	84	317365	34.417	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	137.680%#
66) 1,2-Dichlorobenzene-d4	13.848	152	259594	24.589	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.360%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.015	85	138084	19.441	ug/L	90
3) Chloromethane	2.222	50	225248	21.508	ug/L	95
5) Vinyl chloride	2.375	62	229333	21.157	ug/L	99
6) Bromomethane	2.789	94	110090	18.673	ug/L	94
8) Chloroethane	2.936	64	121985	19.791	ug/L	94
9) Trichlorofluoromethane	3.265	101	163397	19.974	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	4.070	101	195242	21.945	ug/L	94
12) 1,1-Dichloroethene	4.045	96	182012	21.407	ug/L	99
13) Acetone	4.112	43	272273	103.100	ug/L	99
14) Carbon disulfide	4.387	76	571205	19.865	ug/L	100
15) Methyl Acetate	4.667	43	152320	29.269	ug/L	98
16) Methylene chloride	4.923	84	246932	18.834	ug/L	99
17) trans-1,2-Dichloroethene	5.423	96	195955	21.126	ug/L	95
18) Methyl tert-butyl Ether	5.423	73	372332	26.448	ug/L	99
19) 1,1-Dichloroethane	6.216	63	425255	22.314	ug/L	99
20) cis-1,2-Dichloroethene	7.167	96	221808	22.289	ug/L	96
22) 2-Butanone	7.167	43	234351	64.267	ug/L	100
23) Bromochloromethane	7.514	128	101641	24.110	ug/L	97
25) Chloroform	7.679	83	403650	23.045	ug/L	99

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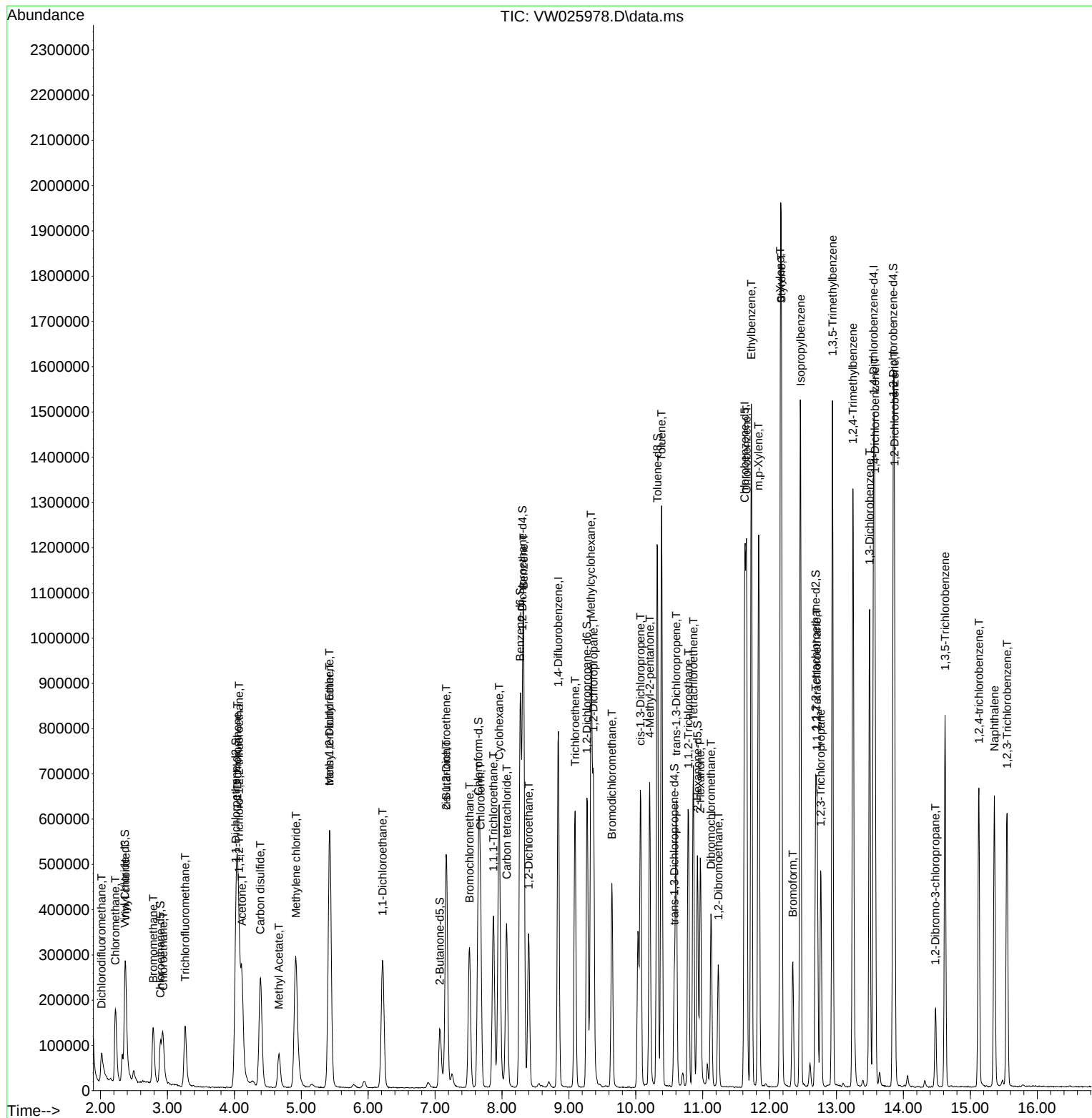
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	303713	24.416	ug/L	99
29) Cyclohexane	7.959	56	361077	20.134	ug/L	100
30) 1,1,1-Trichloroethane	7.874	97	305002	21.551	ug/L	100
31) Carbon tetrachloride	8.069	117	273924	21.507	ug/L	99
33) Benzene	8.325	78	872738	21.798	ug/L	100
34) Trichloroethene	9.093	95	213710	20.802	ug/L	98
35) Methylcyclohexane	9.331	83	357190	19.548	ug/L	100
37) 1,2-Dichloropropane	9.368	63	252300	23.001	ug/L	100
38) Bromodichloromethane	9.642	83	295137	23.452	ug/L	97
39) cis-1,3-Dichloropropene	10.069	75	378089	23.504	ug/L	99
40) 4-Methyl-2-pentanone	10.209	43	468172	65.571	ug/L	99
42) Toluene	10.386	91	909215	22.225	ug/L	98
44) trans-1,3-Dichloropropene	10.605	75	333622	25.030	ug/L	98
45) 1,1,2-Trichloroethane	10.788	97	191395	26.084	ug/L	99
46) Tetrachloroethene	10.861	164	155165	21.468	ug/L	88
48) 2-Hexanone	10.965	43	335832	65.657	ug/L	99
49) Dibromochloromethane	11.123	129	193973	25.534	ug/L	98
50) 1,2-Dibromoethane	11.233	107	182315	26.952	ug/L	99
51) Chlorobenzene	11.654	112	559616	22.082	ug/L	94
52) Ethylbenzene	11.727	91	996892	21.663	ug/L	99
53) m,p-Xylene	11.837	106	366127	21.618	ug/L	95
54) o-Xylene	12.160	106	354067	22.180	ug/L	97
55) Styrene	12.178	104	528949	19.359	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.708	83	266611	29.120	ug/L	98
59) Bromoform	12.349	173	119062	27.755	ug/L	100
60) Isopropylbenzene	12.465	105	940329	21.360	ug/L	98
61) 1,2,3-Trichloropropane	12.763	75	197162	28.806	ug/L	98
62) 1,3,5-Trimethylbenzene	12.940	105	746874	21.420	ug/L	98
63) 1,2,4-Trimethylbenzene	13.245	105	716244	22.261	ug/L	98
64) 1,3-Dichlorobenzene	13.495	146	402581	21.244	ug/L	95
65) 1,4-Dichlorobenzene	13.574	146	403931	21.098	ug/L	99
67) 1,2-Dichlorobenzene	13.867	146	379355	22.446	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.476	75	47309	29.808	ug/L	96
69) 1,3,5-Trichlorobenzene	14.623	180	225891	17.957	ug/L	99
70) 1,2,4-trichlorobenzene	15.129	180	194116	18.420	ug/L	98
71) Naphthalene	15.360	128	502353	25.256	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	188897	20.201	ug/L	97

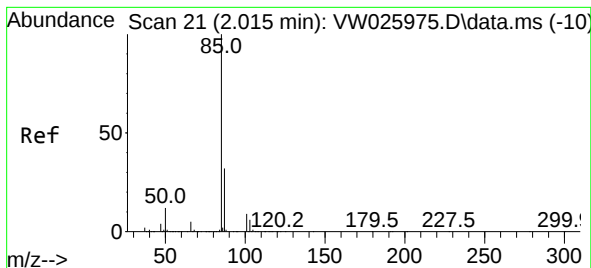
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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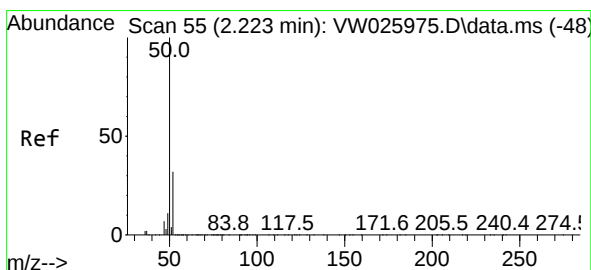
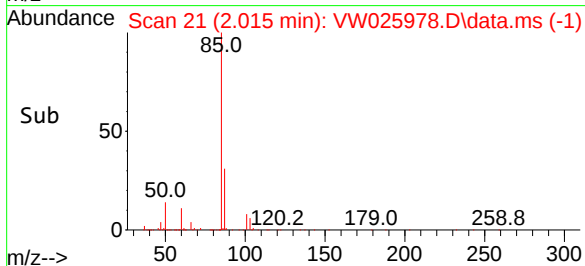
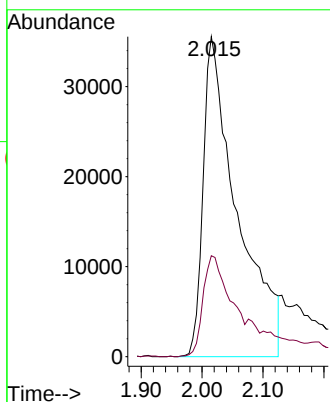
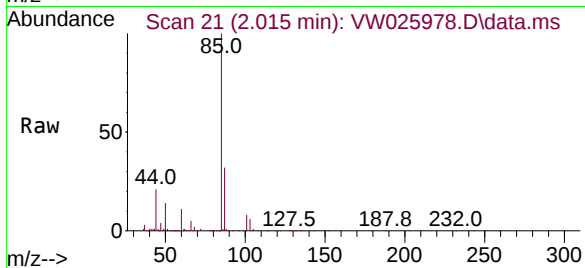




#2
Dichlorodifluoromethane
Concen: 19.441 ug/L
RT: 2.015 min Scan# 21
Delta R.T. -0.000 min
Lab File: VW025978.D
Acq: 15 May 2023 12:37

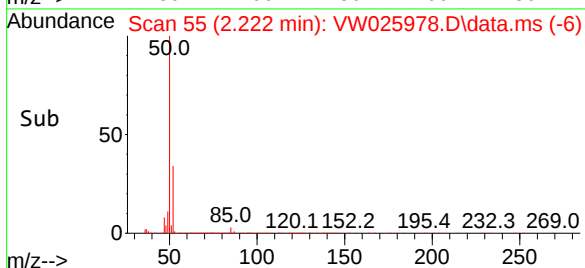
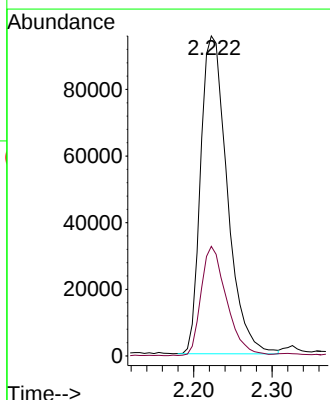
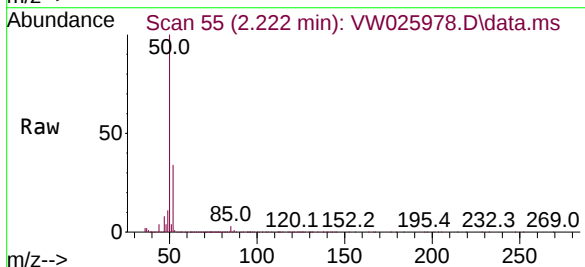
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ClientSampleId :
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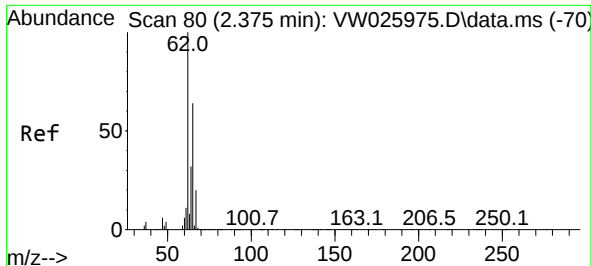
Tgt Ion: 85 Resp: 138084
Ion Ratio Lower Upper
85 100
87 25.7 24.7 37.1



#3
Chloromethane
Concen: 21.508 ug/L
RT: 2.222 min Scan# 55
Delta R.T. -0.000 min
Lab File: VW025978.D
Acq: 15 May 2023 12:37

Tgt Ion: 50 Resp: 225248
Ion Ratio Lower Upper
50 100
52 34.3 22.1 41.1

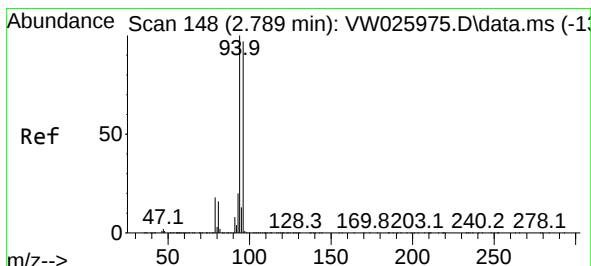
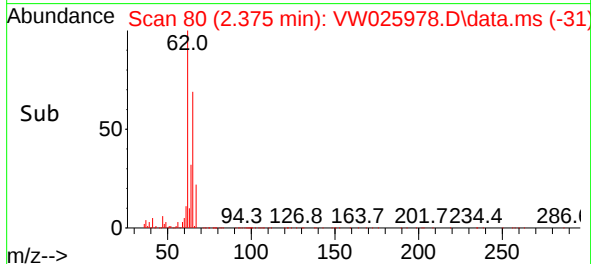
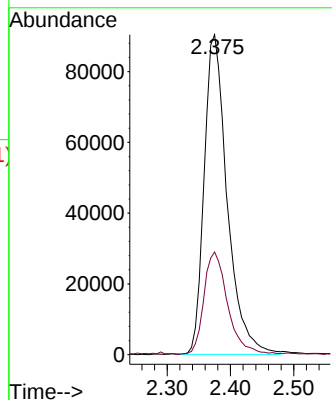
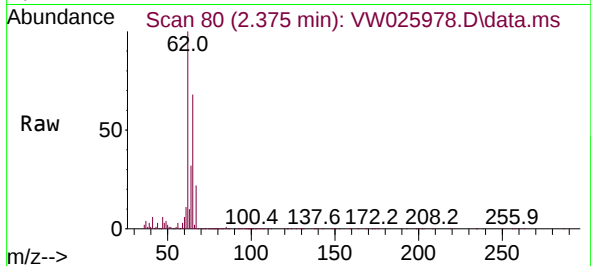




#5
 Vinyl chloride
 Concen: 21.157 ug/L
 RT: 2.375 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: VW025978.D
 Acq: 15 May 2023 12:37

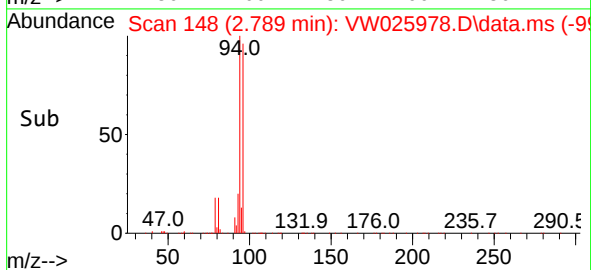
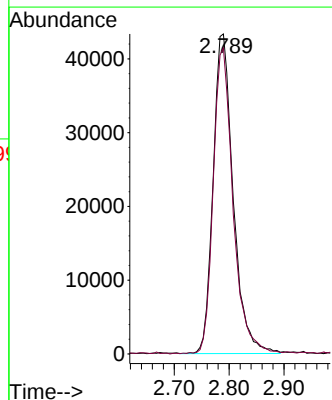
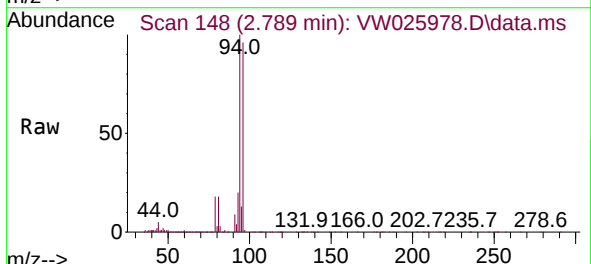
Instrument :
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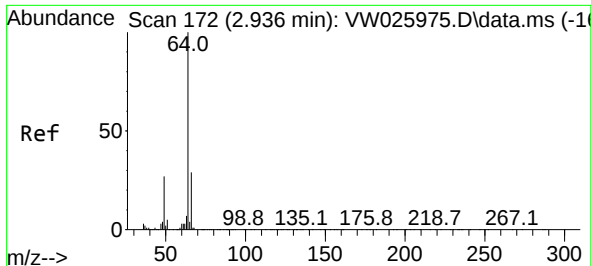
Tgt Ion: 62 Resp: 229333
 Ion Ratio Lower Upper
 62 100
 64 32.1 22.7 42.3



#6
 Bromomethane
 Concen: 18.673 ug/L
 RT: 2.789 min Scan# 148
 Delta R.T. -0.000 min
 Lab File: VW025978.D
 Acq: 15 May 2023 12:37

Tgt Ion: 94 Resp: 110090
 Ion Ratio Lower Upper
 94 100
 96 95.6 63.1 117.1

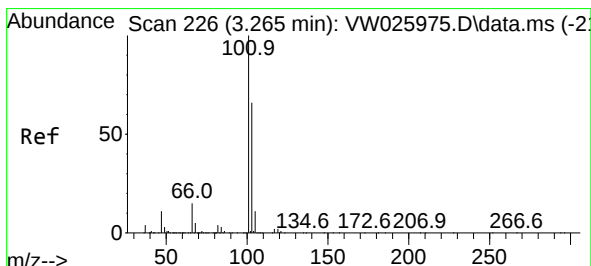
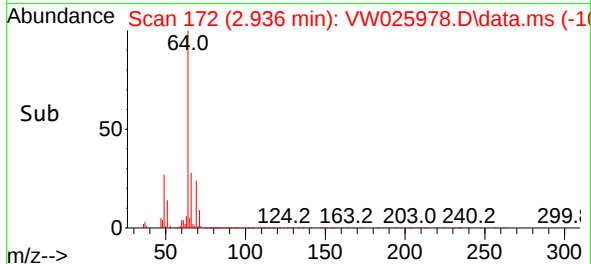
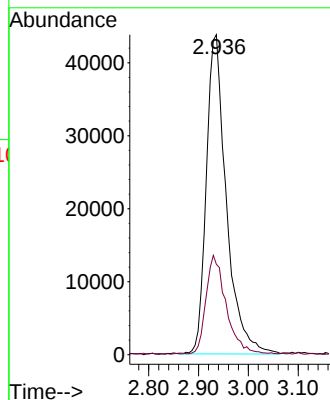
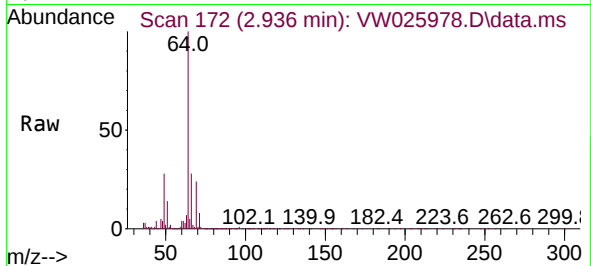




#8
Chloroethane
Concen: 19.791 ug/L
RT: 2.936 min Scan# 172
Delta R.T. -0.000 min
Lab File: VW025978.D
Acq: 15 May 2023 12:37

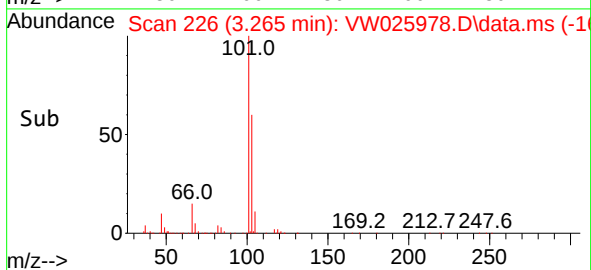
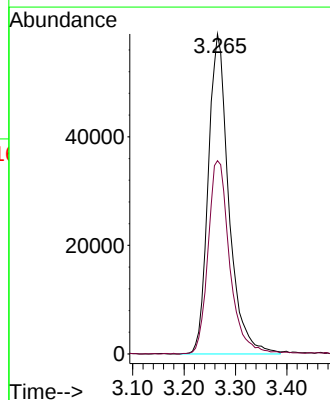
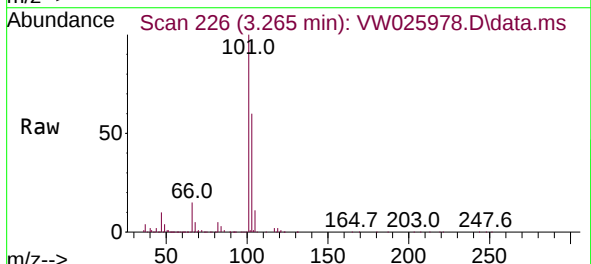
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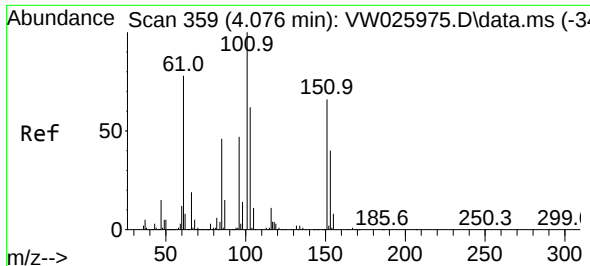
Tgt Ion: 64 Resp: 121985
Ion Ratio Lower Upper
64 100
66 28.3 22.3 41.3



#9
Trichlorofluoromethane
Concen: 19.974 ug/L
RT: 3.265 min Scan# 226
Delta R.T. -0.000 min
Lab File: VW025978.D
Acq: 15 May 2023 12:37

Tgt Ion: 101 Resp: 163397
Ion Ratio Lower Upper
101 100
103 63.2 50.6 76.0

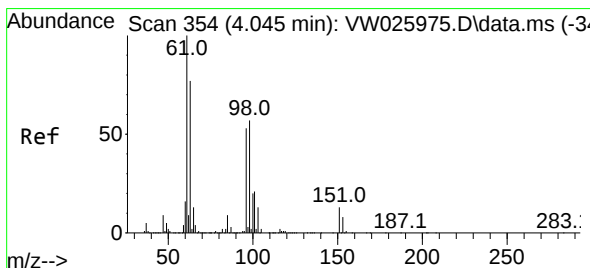
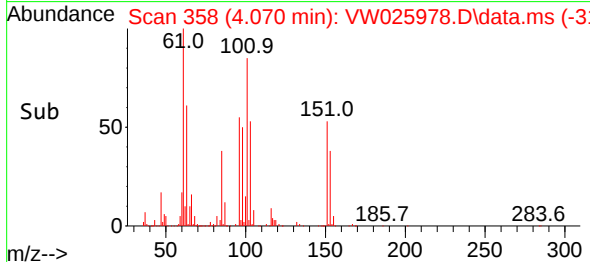
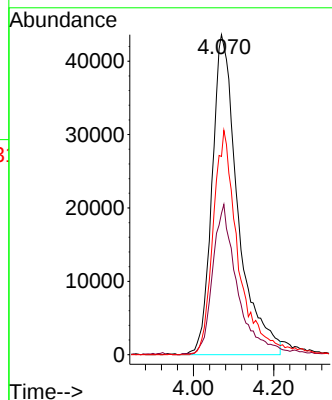
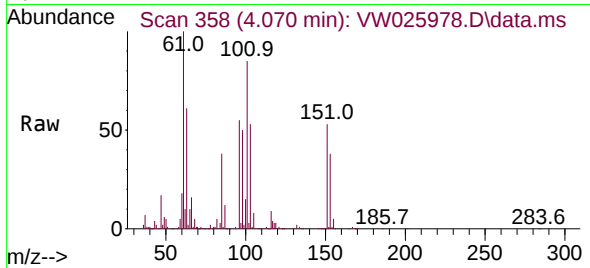




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 21.945 ug/L
 RT: 4.070 min Scan# 359
 Delta R.T. -0.006 min
 Lab File: VW025978.D
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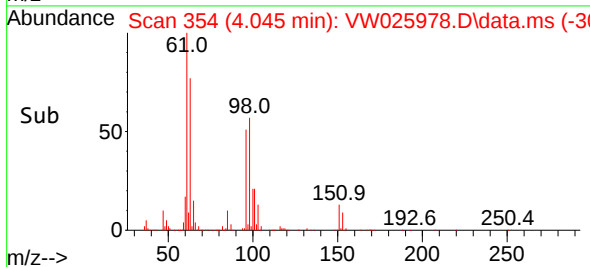
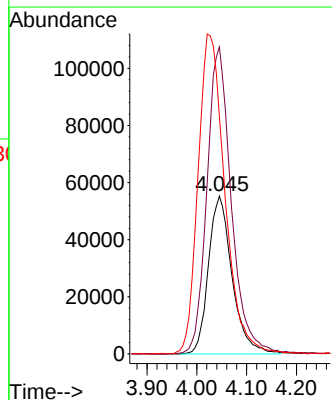
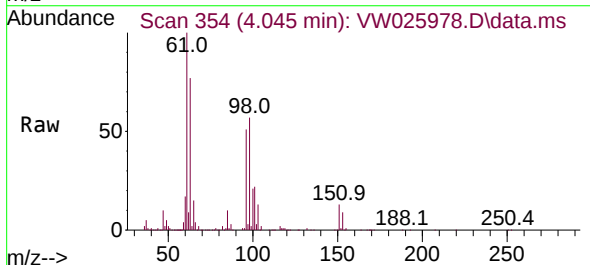
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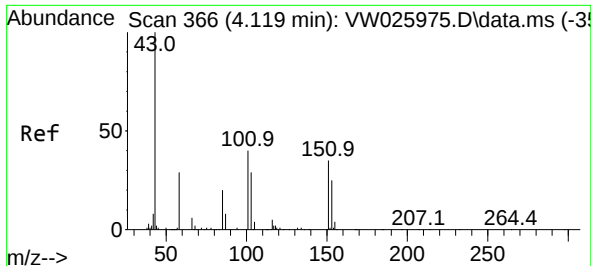
Tgt Ion:101 Resp: 195242
 Ion Ratio Lower Upper
 101 100
 85 45.0 33.9 50.9
 151 62.2 54.2 81.2



#12
 1,1-Dichloroethene
 Concen: 21.407 ug/L
 RT: 4.045 min Scan# 354
 Delta R.T. -0.000 min
 Lab File: VW025978.D
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Tgt Ion: 96 Resp: 182012
 Ion Ratio Lower Upper
 96 100
 61 194.4 135.0 250.8
 63 150.2 104.9 194.7

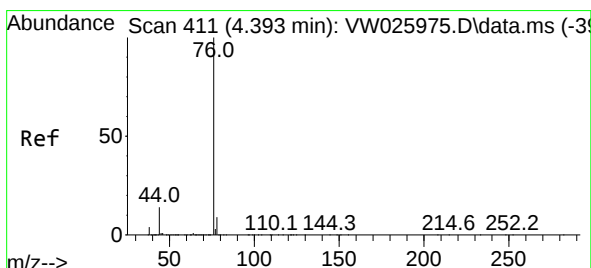
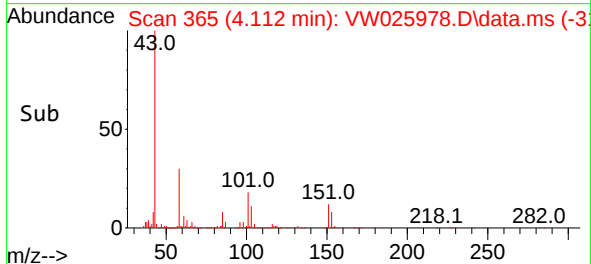
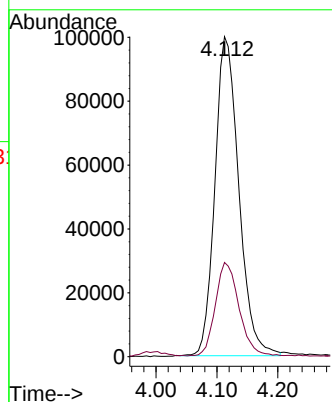
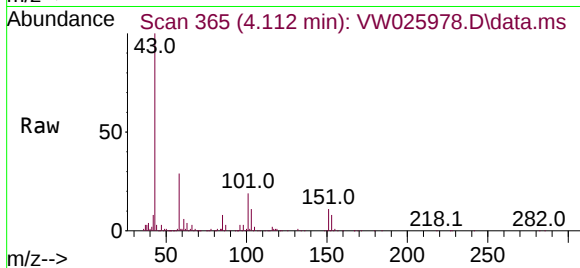




#13
Acetone
Concen: 103.100 ug/L
RT: 4.112 min Scan# 30
Delta R.T. -0.006 min
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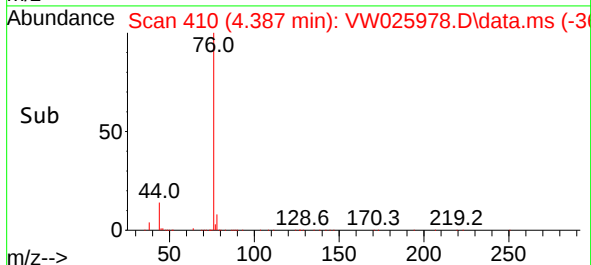
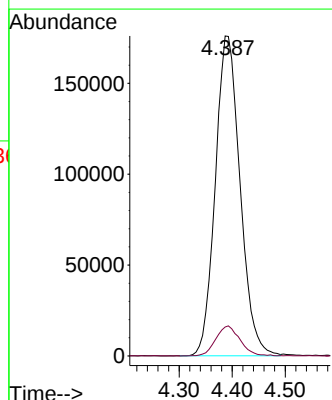
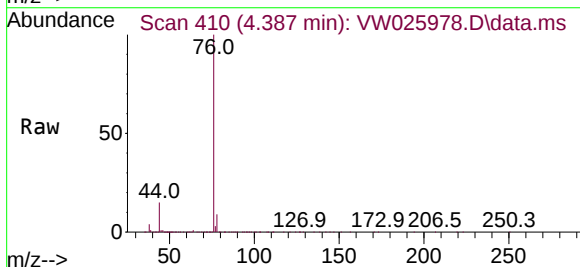
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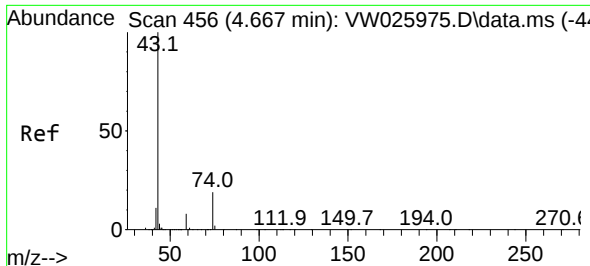
Tgt Ion: 43 Resp: 272273
Ion Ratio Lower Upper
43 100
58 29.5 0.0 58.2



#14
Carbon disulfide
Concen: 19.865 ug/L
RT: 4.387 min Scan# 410
Delta R.T. -0.006 min
Lab File: VW025978.D
Acq: 15 May 2023 12:37

Tgt Ion: 76 Resp: 571205
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0

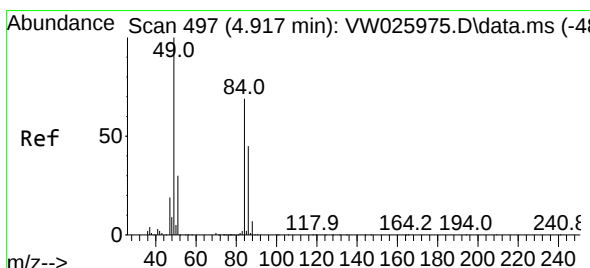
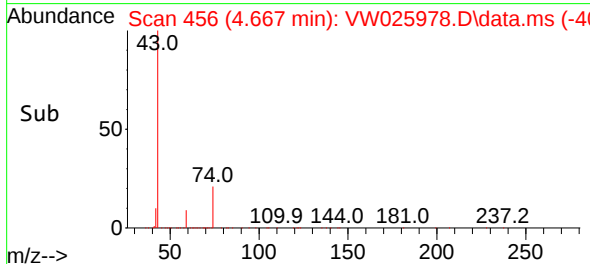
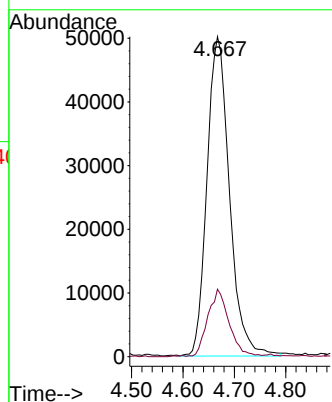
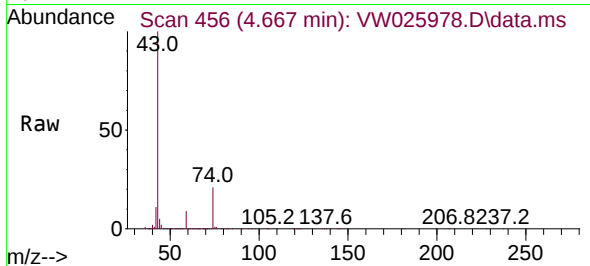




#15
Methyl Acetate
Concen: 29.269 ug/L
RT: 4.667 min Scan# 411
Delta R.T. -0.000 min
Lab File: VW025978.D
Acq: 15 May 2023 12:37

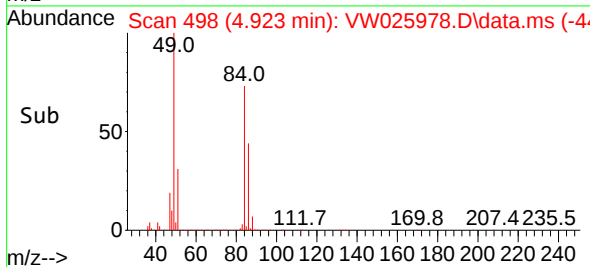
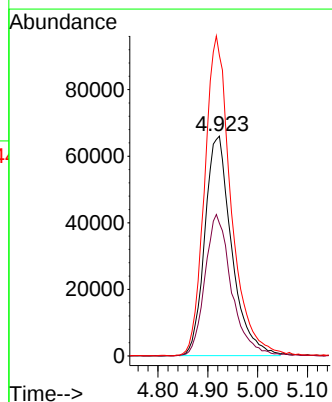
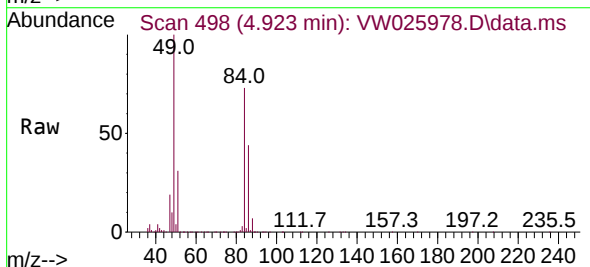
Instrument :
MSVOA_W
ClientSampleId :
GBW01MS

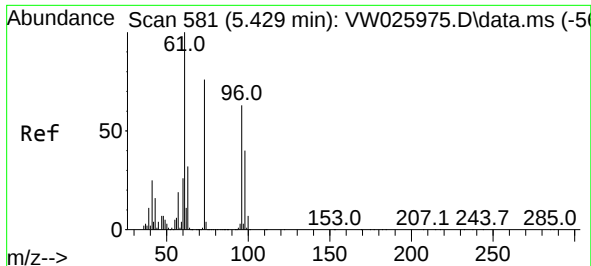
Tgt Ion: 43 Resp: 152320
Ion Ratio Lower Upper
43 100
74 19.8 16.5 24.7



#16
Methylene chloride
Concen: 18.834 ug/L
RT: 4.923 min Scan# 498
Delta R.T. 0.006 min
Lab File: VW025978.D
Acq: 15 May 2023 12:37

Tgt Ion: 84 Resp: 246932
Ion Ratio Lower Upper
84 100
86 60.3 41.7 77.5
49 136.7 95.3 177.1





#17

trans-1,2-Dichloroethene

Concen: 21.126 ug/L

RT: 5.423 min Scan# 581

Delta R.T. -0.006 min

Lab File: VW025978.D

Acq: 15 May 2023 12:37

Instrument :

MSVOA_W

ClientSampleId :

GBW01MS

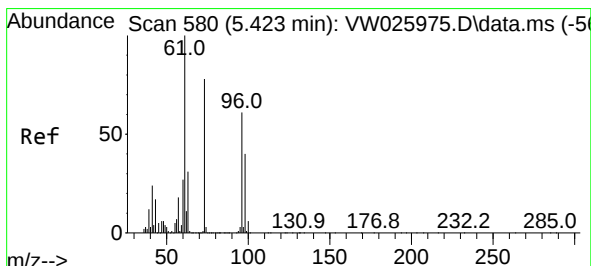
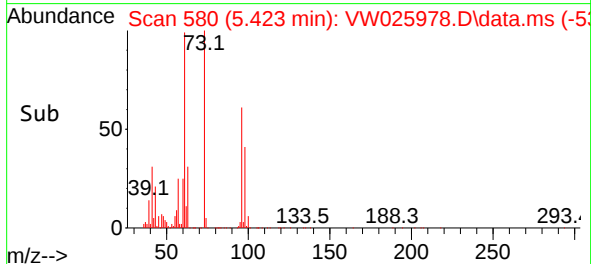
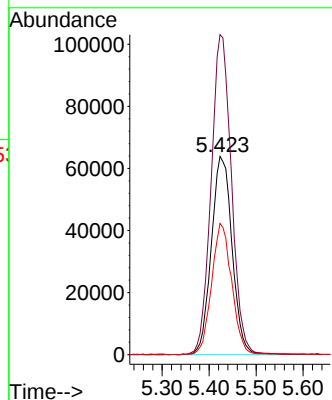
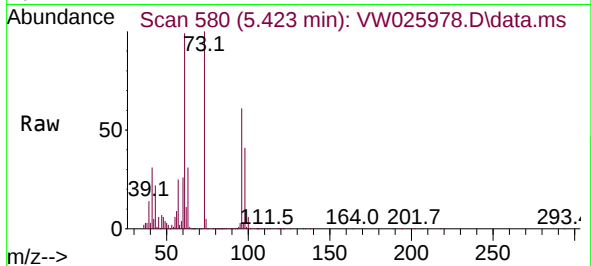
Tgt Ion: 96 Resp: 195955

Ion Ratio Lower Upper

96 100

61 161.5 108.1 200.9

98 66.2 44.0 81.8



#18

Methyl tert-butyl Ether

Concen: 26.448 ug/L

RT: 5.423 min Scan# 580

Delta R.T. -0.000 min

Lab File: VW025978.D

Acq: 15 May 2023 12:37

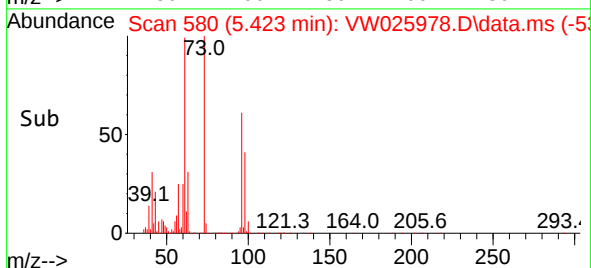
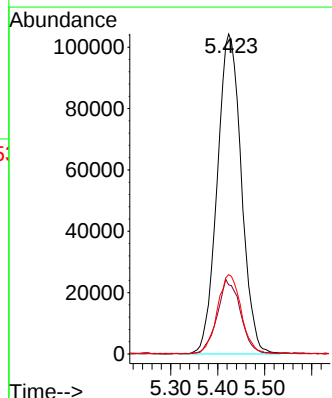
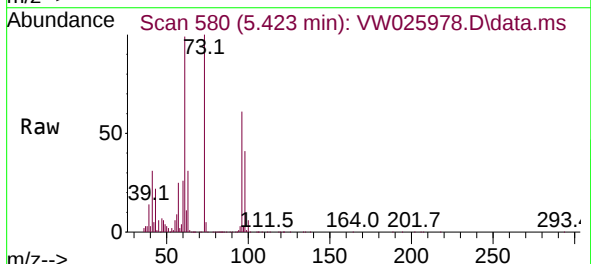
Tgt Ion: 73 Resp: 372332

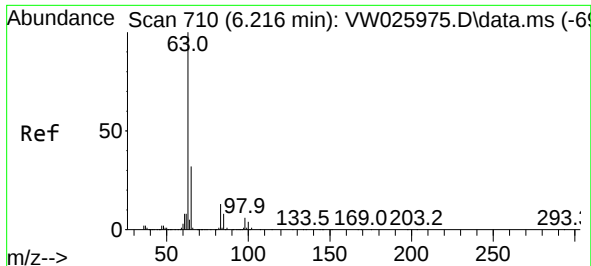
Ion Ratio Lower Upper

73 100

43 22.1 18.2 27.4

57 24.3 19.2 28.8





#19

1,1-Dichloroethane

Concen: 22.314 ug/L

RT: 6.216 min Scan# 710

Delta R.T. -0.000 min

Lab File: VW025978.D

Acq: 15 May 2023 12:37

Instrument :

MSVOA_W

ClientSampleId :

GBW01MS

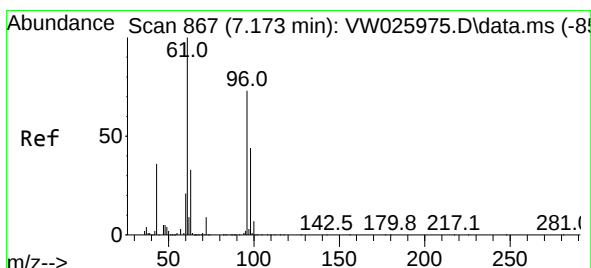
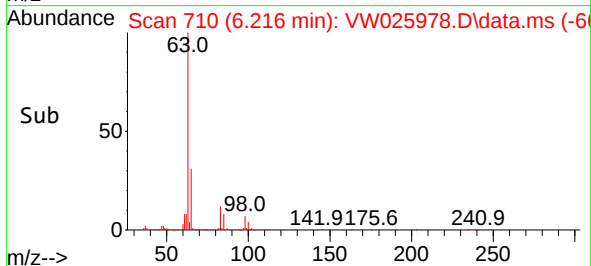
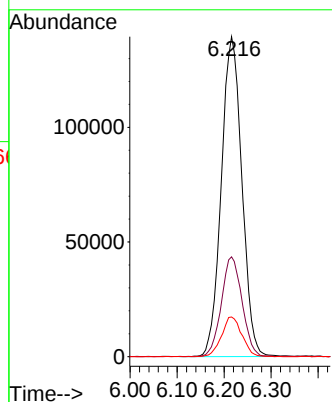
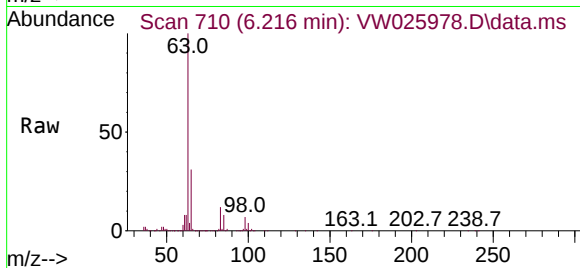
Tgt Ion: 63 Resp: 425255

Ion Ratio Lower Upper

63 100

65 31.2 22.4 41.6

83 12.4 8.7 16.1



#20

cis-1,2-Dichloroethene

Concen: 22.289 ug/L

RT: 7.167 min Scan# 866

Delta R.T. -0.006 min

Lab File: VW025978.D

Acq: 15 May 2023 12:37

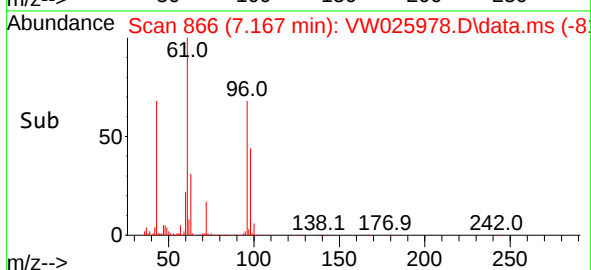
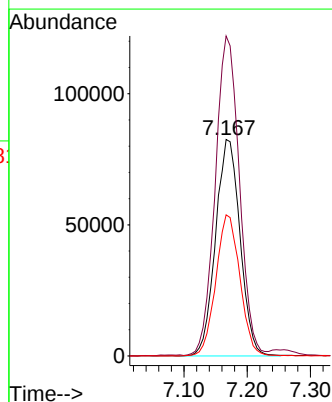
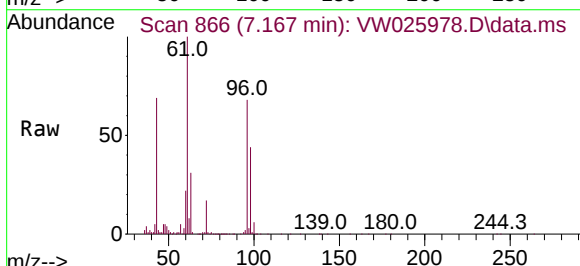
Tgt Ion: 96 Resp: 221808

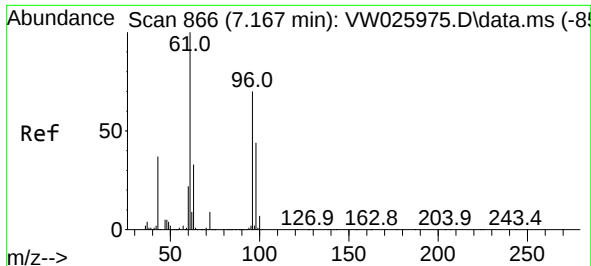
Ion Ratio Lower Upper

96 100

61 147.9 98.6 183.0

98 65.2 45.2 84.0

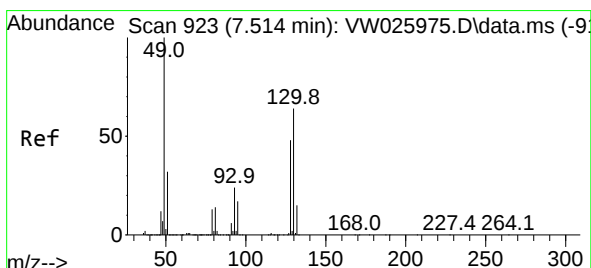
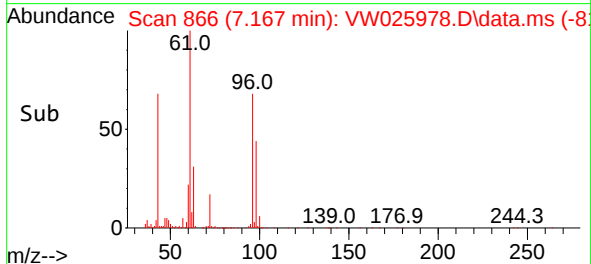
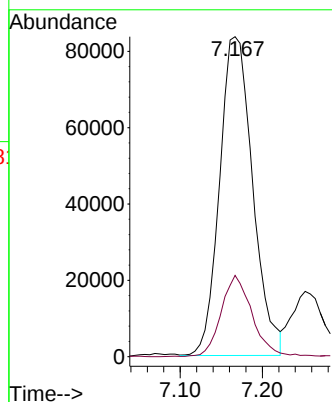
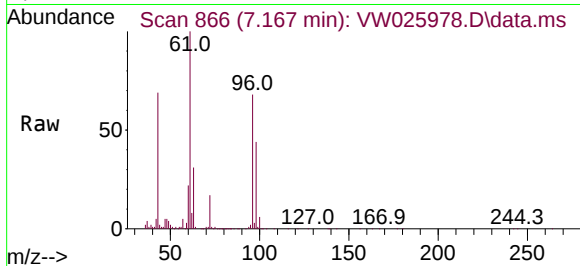




#22
2-Butanone
Concen: 64.267 ug/L
RT: 7.167 min Scan# 866
Delta R.T. -0.000 min
Lab File: VW025978.D
Acq: 15 May 2023 12:37

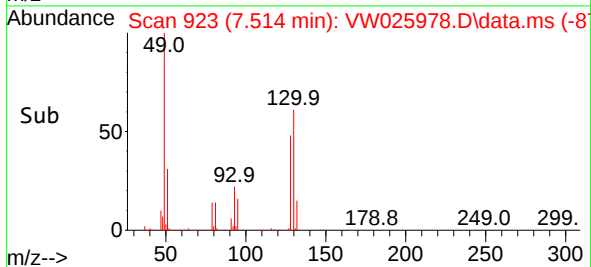
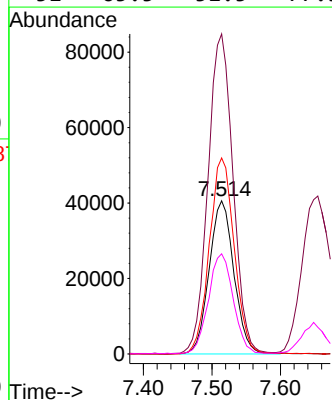
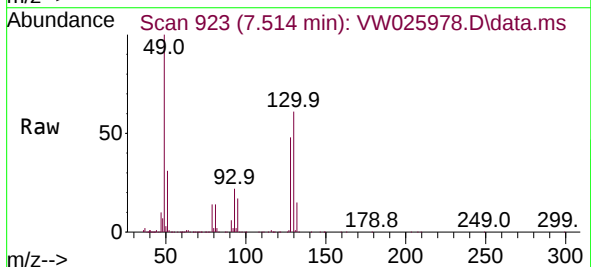
Instrument :
MSVOA_W
ClientSampleId :
GBW01MS

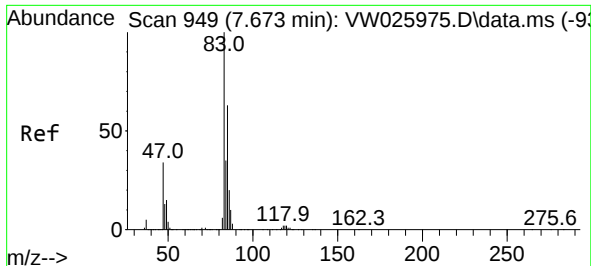
Tgt Ion: 43 Resp: 234351
Ion Ratio Lower Upper
43 100
72 23.5 11.8 35.4



#23
Bromochloromethane
Concen: 24.110 ug/L
RT: 7.514 min Scan# 923
Delta R.T. -0.000 min
Lab File: VW025978.D
Acq: 15 May 2023 12:37

Tgt Ion: 128 Resp: 101641
Ion Ratio Lower Upper
128 100
49 209.0 151.5 281.5
130 128.0 91.3 169.6
51 65.5 51.5 77.3

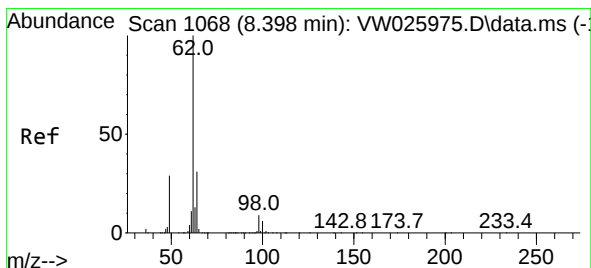
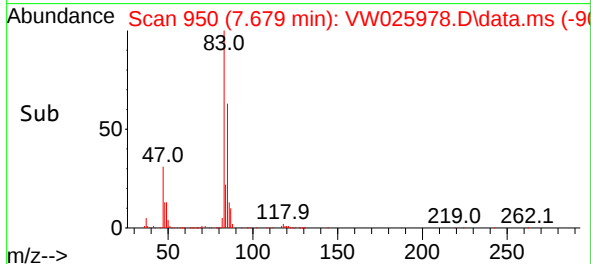
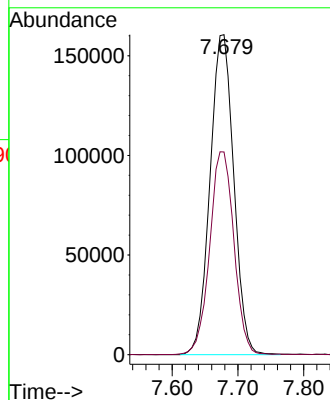
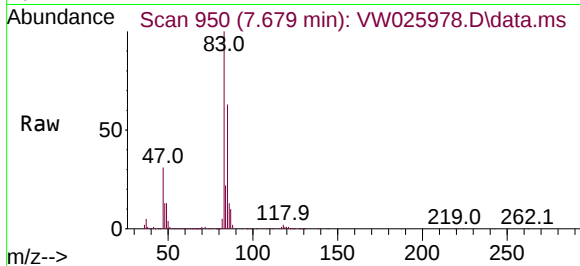




#25
Chloroform
Concen: 23.045 ug/L
RT: 7.679 min Scan# 949
Delta R.T. 0.006 min
Lab File: VW025978.D
Acq: 15 May 2023 12:37

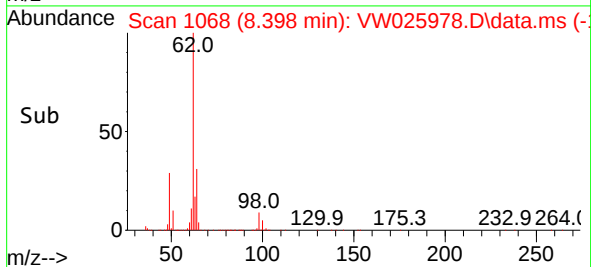
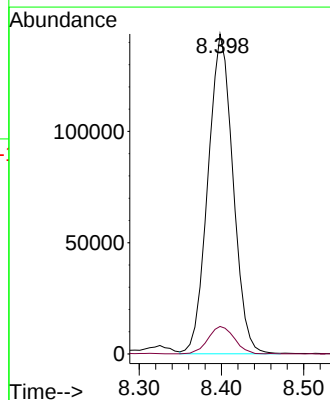
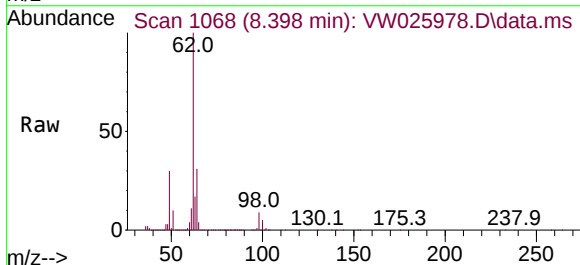
Instrument :
MSVOA_W
ClientSampleId :
GBW01MS

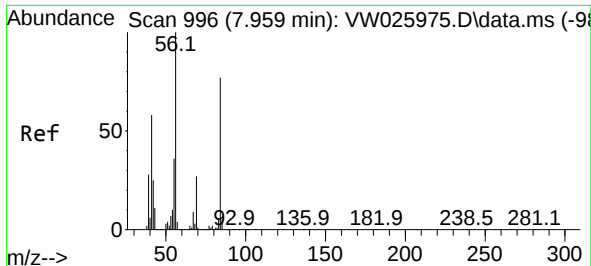
Tgt Ion: 83 Resp: 403650
Ion Ratio Lower Upper
83 100
85 63.4 45.1 83.9



#27
1,2-Dichloroethane
Concen: 24.416 ug/L
RT: 8.398 min Scan# 1068
Delta R.T. -0.000 min
Lab File: VW025978.D
Acq: 15 May 2023 12:37

Tgt Ion: 62 Resp: 303713
Ion Ratio Lower Upper
62 100
98 8.6 7.2 10.8





#29

Cyclohexane

Concen: 20.134 ug/L

RT: 7.959 min Scan# 996

Delta R.T. -0.000 min

Lab File: VW025978.D

Acq: 15 May 2023 12:37

Instrument :

MSVOA_W

ClientSampleId :

GBW01MS

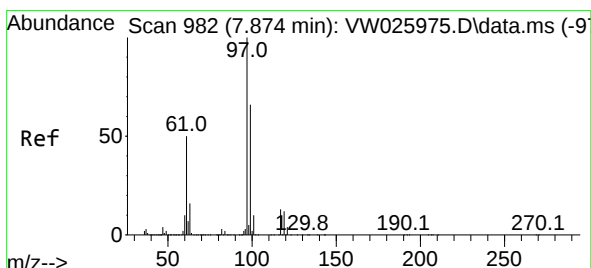
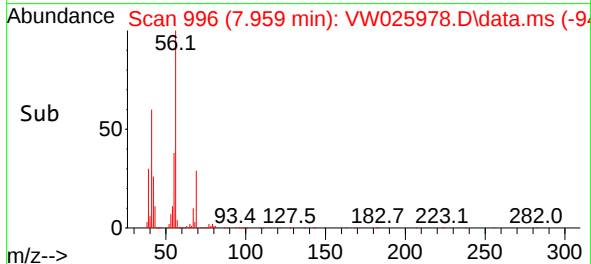
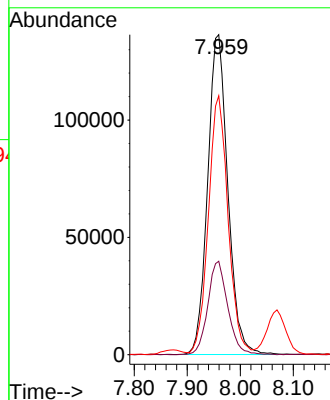
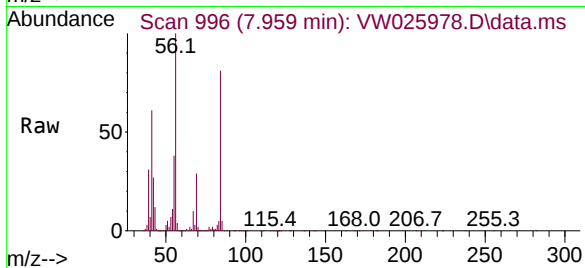
Tgt Ion: 56 Resp: 361077

Ion Ratio Lower Upper

56 100

69 28.8 23.4 35.0

84 78.8 63.3 94.9



#30

1,1,1-Trichloroethane

Concen: 21.551 ug/L

RT: 7.874 min Scan# 982

Delta R.T. -0.000 min

Lab File: VW025978.D

Acq: 15 May 2023 12:37

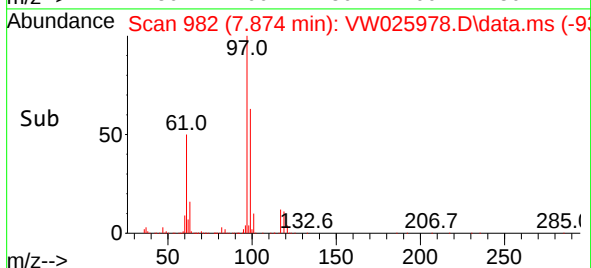
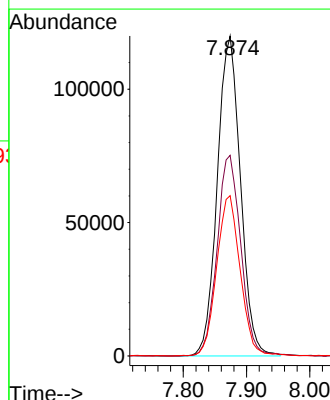
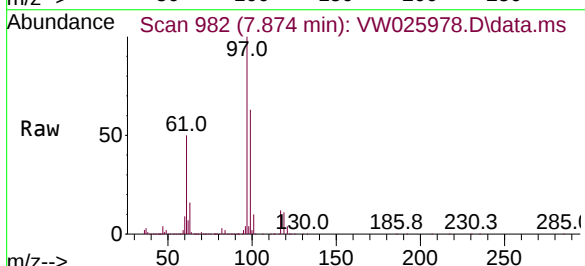
Tgt Ion: 97 Resp: 305002

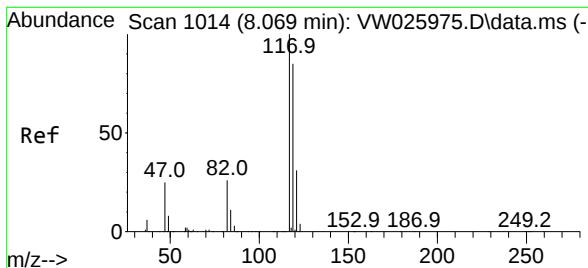
Ion Ratio Lower Upper

97 100

99 64.1 51.1 76.7

61 50.8 40.4 60.6





#31

Carbon tetrachloride

Concen: 21.507 ug/L

RT: 8.069 min Scan# 1014

Delta R.T. -0.000 min

Lab File: VW025978.D

Acq: 15 May 2023 12:37

Instrument :

MSVOA_W

ClientSampleId :

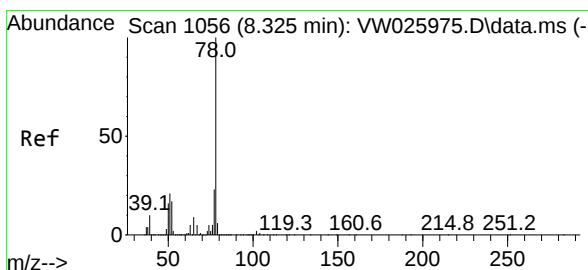
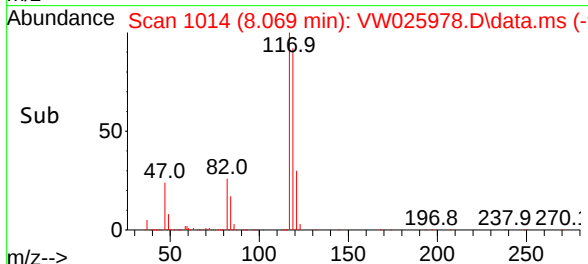
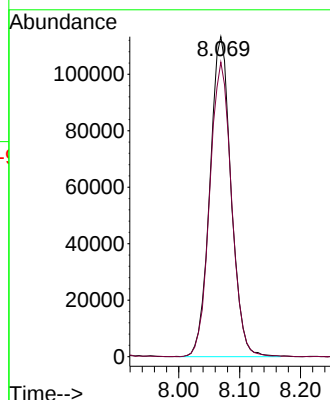
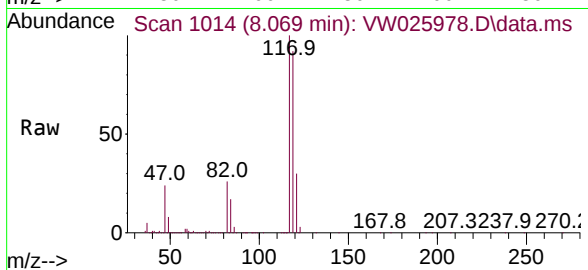
GBW01MS

Tgt Ion:117 Resp: 273924

Ion Ratio Lower Upper

117 100

119 94.7 76.9 115.3



#33

Benzene

Concen: 21.798 ug/L

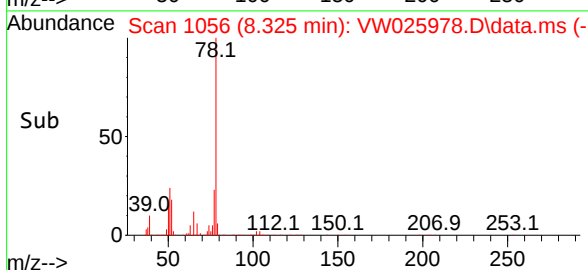
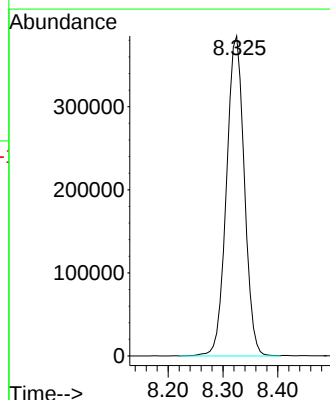
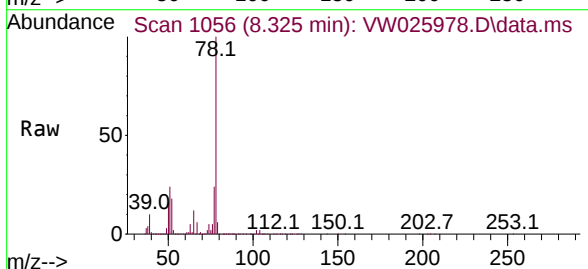
RT: 8.325 min Scan# 1056

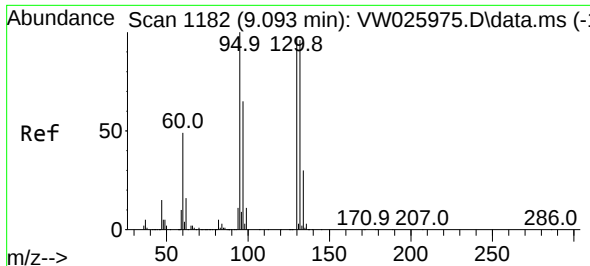
Delta R.T. -0.000 min

Lab File: VW025978.D

Acq: 15 May 2023 12:37

Tgt Ion: 78 Resp: 872738





#34

Trichloroethene

Concen: 20.802 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. -0.000 min

Lab File: VW025978.D

Acq: 15 May 2023 12:37

Instrument :

MSVOA_W

ClientSampleId :

GBW01MS

Tgt Ion: 95 Resp: 213710

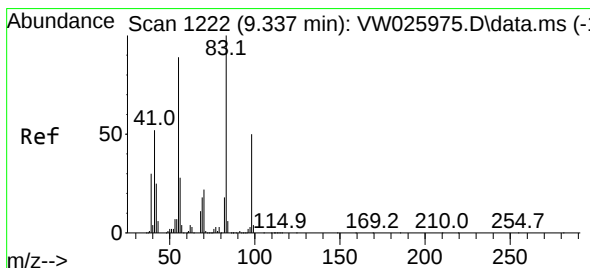
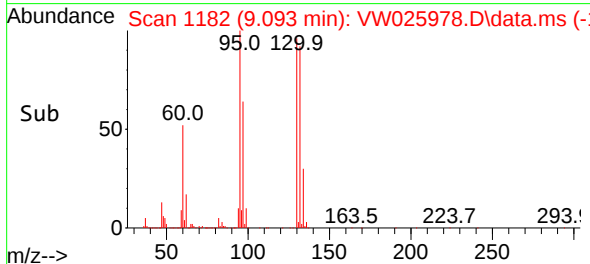
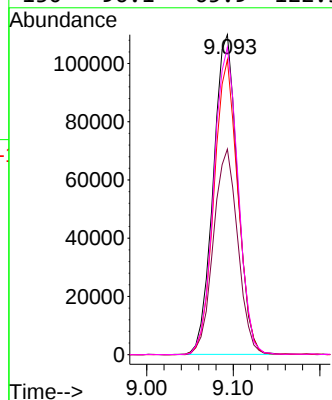
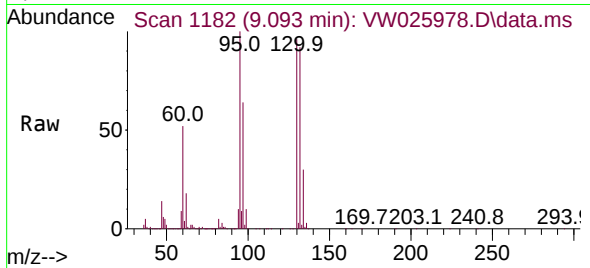
Ion Ratio Lower Upper

95 100

97 64.3 45.9 85.3

132 92.2 66.0 122.6

130 96.1 65.9 122.3



#35

Methylcyclohexane

Concen: 19.548 ug/L

RT: 9.331 min Scan# 1221

Delta R.T. -0.006 min

Lab File: VW025978.D

Acq: 15 May 2023 12:37

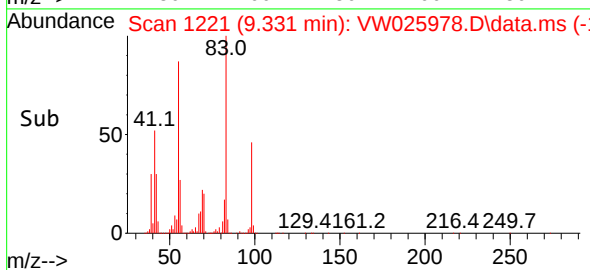
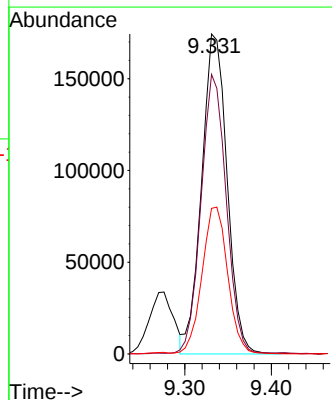
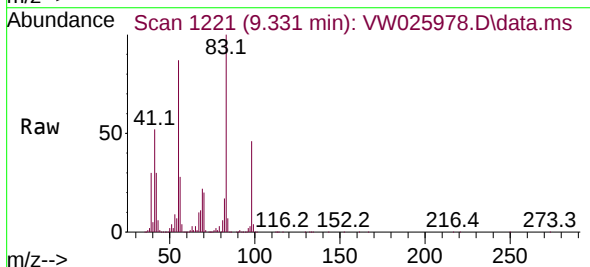
Tgt Ion: 83 Resp: 357190

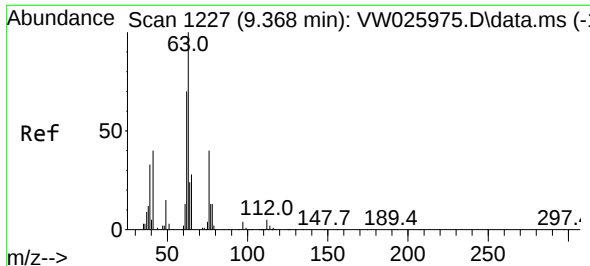
Ion Ratio Lower Upper

83 100

55 86.2 69.0 103.4

98 46.4 37.1 55.7





#37

1,2-Dichloropropane

Concen: 23.001 ug/L

RT: 9.368 min Scan# 1227

Delta R.T. -0.000 min

Lab File: VW025978.D

Acq: 15 May 2023 12:37

Instrument :

MSVOA_W

ClientSampleId :

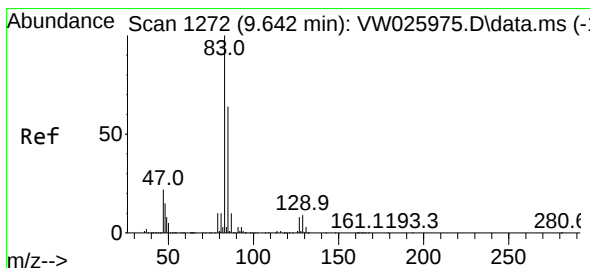
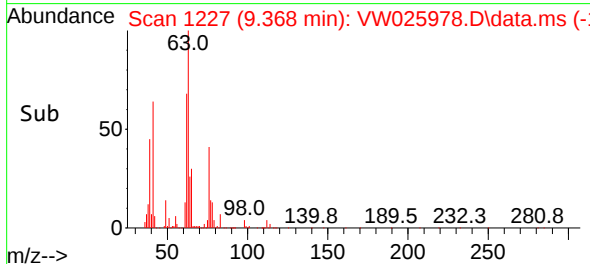
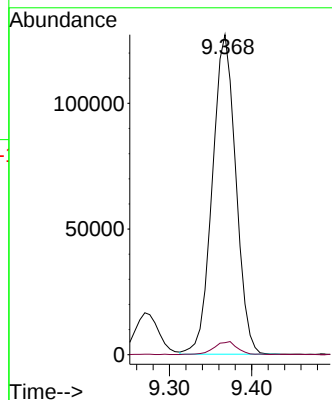
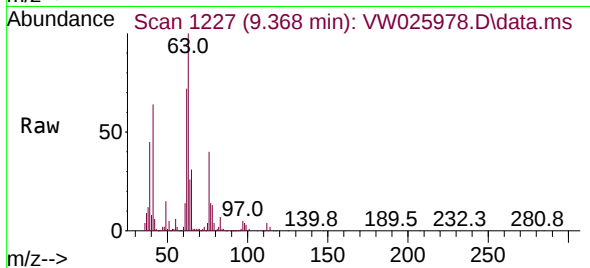
GBW01MS

Tgt Ion: 63 Resp: 252300

Ion Ratio Lower Upper

63 100

112 4.0 3.3 4.9



#38

Bromodichloromethane

Concen: 23.452 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. -0.000 min

Lab File: VW025978.D

Acq: 15 May 2023 12:37

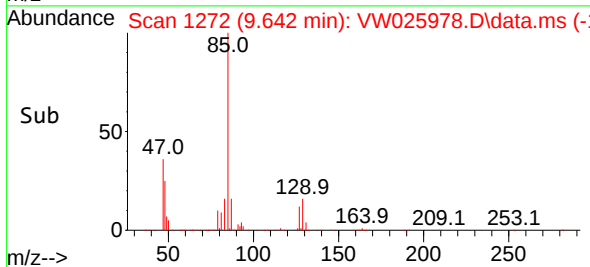
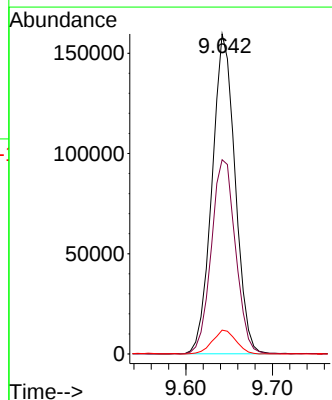
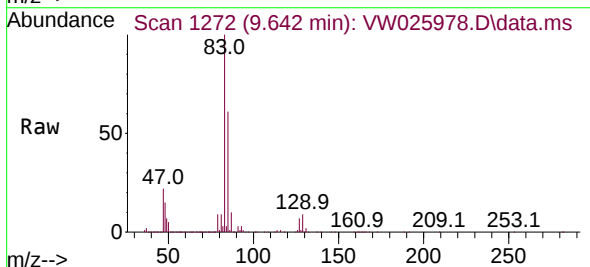
Tgt Ion: 83 Resp: 295137

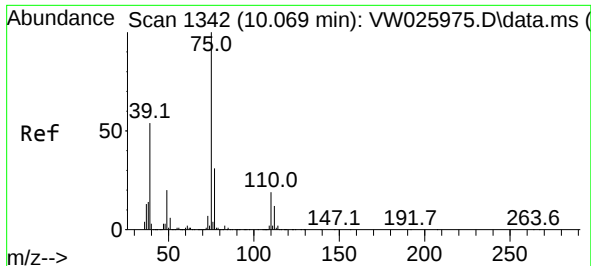
Ion Ratio Lower Upper

83 100

85 60.7 44.4 82.5

127 7.5 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 23.504 ug/L

RT: 10.069 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW025978.D

Acq: 15 May 2023 12:37

Instrument :

MSVOA_W

ClientSampleId :

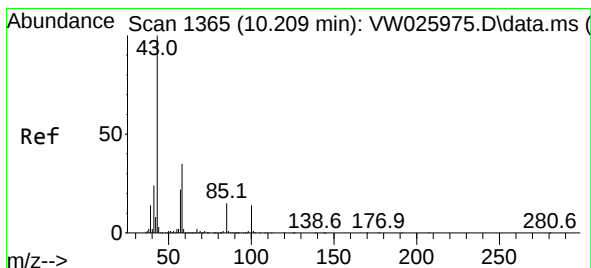
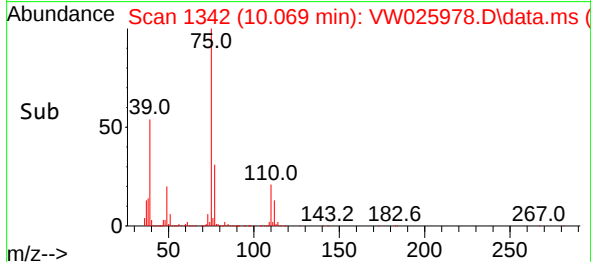
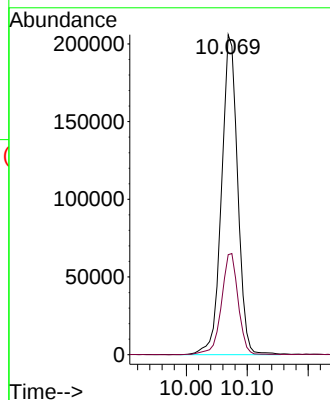
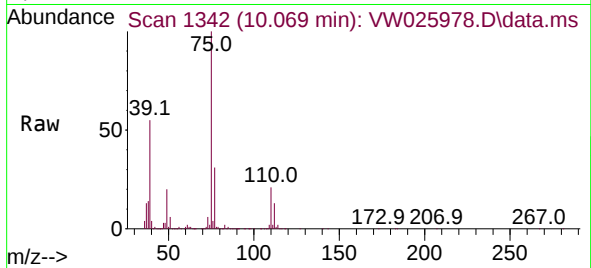
GBW01MS

Tgt Ion: 75 Resp: 378089

Ion Ratio Lower Upper

75 100

77 31.3 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 65.571 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. -0.000 min

Lab File: VW025978.D

Acq: 15 May 2023 12:37

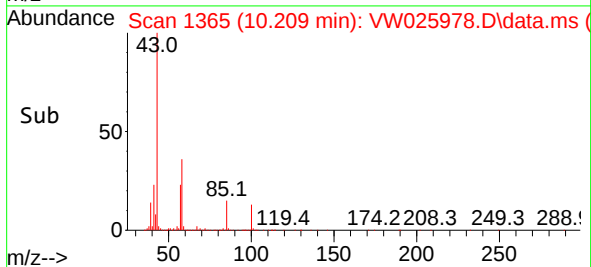
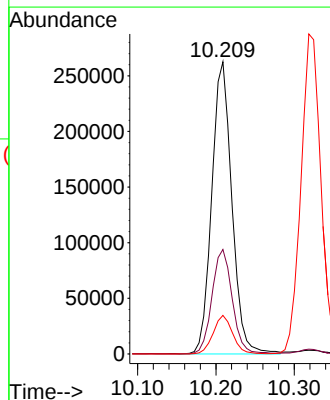
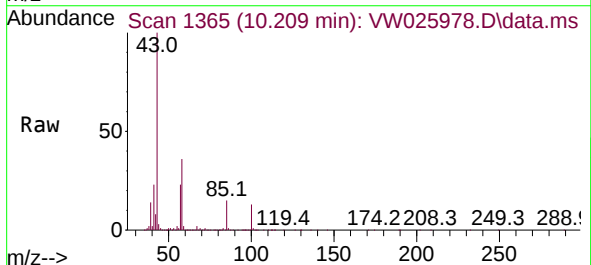
Tgt Ion: 43 Resp: 468172

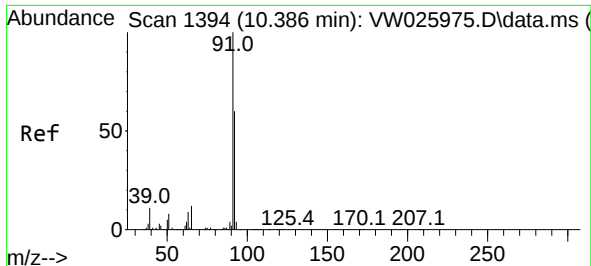
Ion Ratio Lower Upper

43 100

58 36.0 29.4 44.0

100 12.8 10.1 15.1

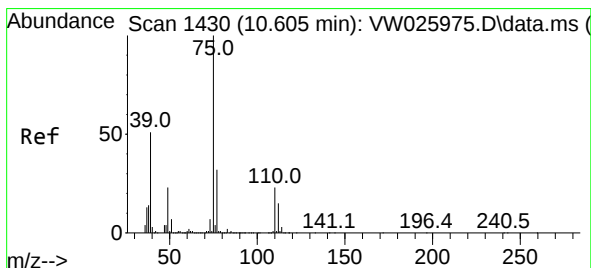
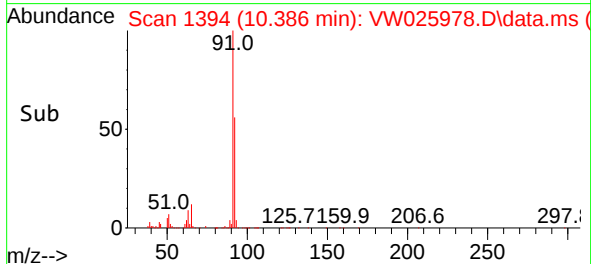
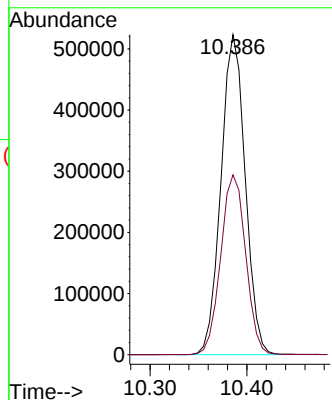
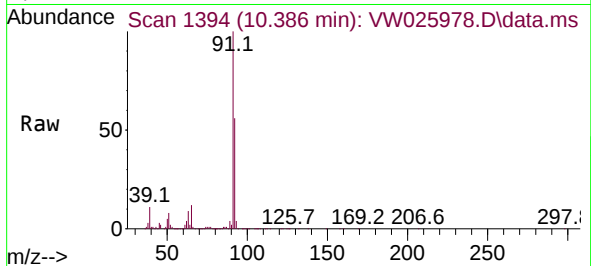




#42
Toluene
Concen: 22.225 ug/L
RT: 10.386 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW025978.D
Acq: 15 May 2023 12:37

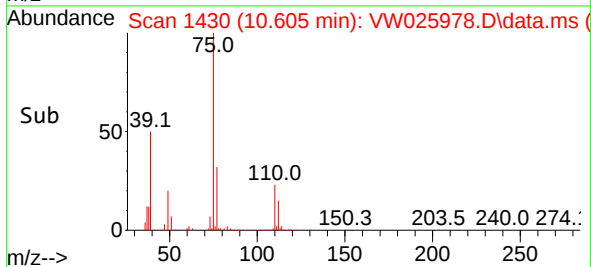
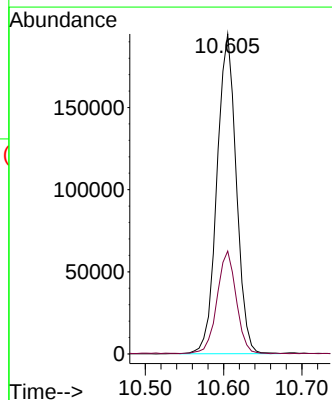
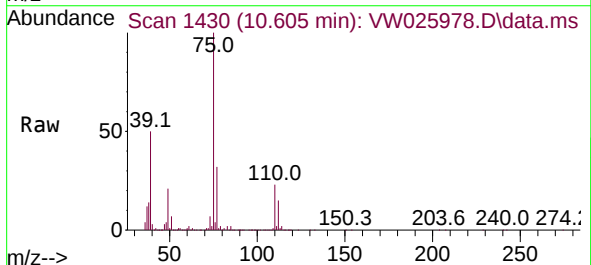
Instrument :
MSVOA_W
ClientSampleId :
GBW01MS

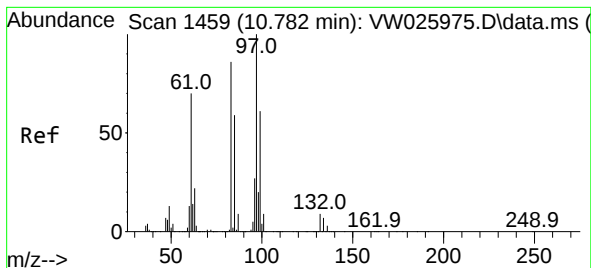
Tgt Ion: 91 Resp: 909215
Ion Ratio Lower Upper
91 100
92 56.2 40.2 74.6



#44
trans-1,3-Dichloropropene
Concen: 25.030 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VW025978.D
Acq: 15 May 2023 12:37

Tgt Ion: 75 Resp: 333622
Ion Ratio Lower Upper
75 100
77 32.2 21.8 40.4





#45

1,1,2-Trichloroethane

Concen: 26.084 ug/L

RT: 10.788 min Scan# 1459

Delta R.T. 0.006 min

Lab File: VW025978.D

Acq: 15 May 2023 12:37

Instrument :

MSVOA_W

ClientSampleId :

GBW01MS

Tgt Ion: 97 Resp: 191395

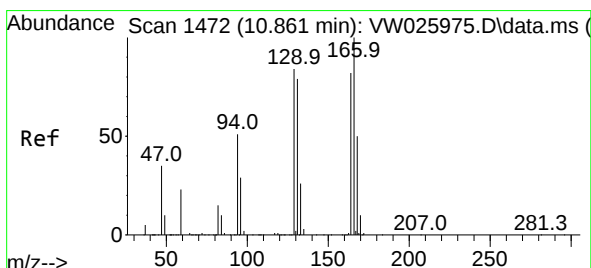
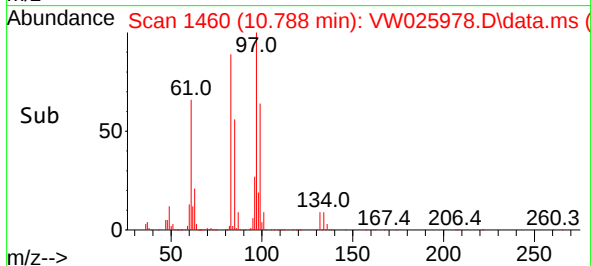
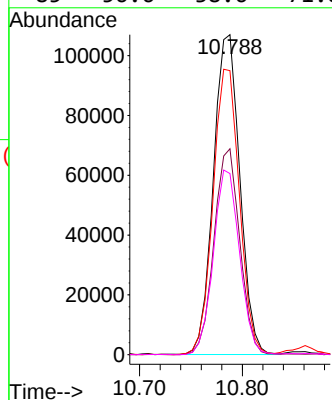
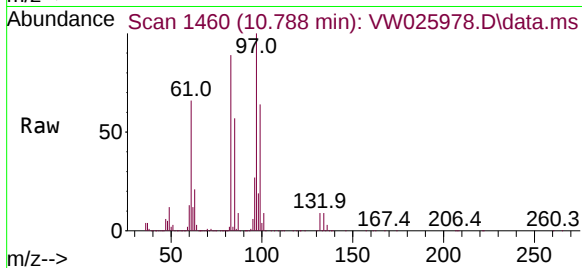
Ion Ratio Lower Upper

97 100

99 64.4 44.5 82.7

83 88.8 63.0 117.0

85 56.6 38.6 71.8



#46

Tetrachloroethene

Concen: 21.468 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. -0.000 min

Lab File: VW025978.D

Acq: 15 May 2023 12:37

Tgt Ion:164 Resp: 155165

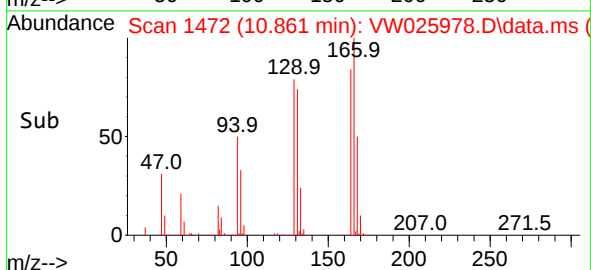
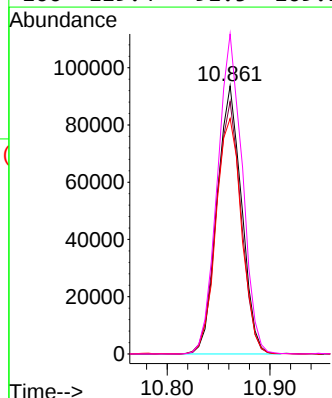
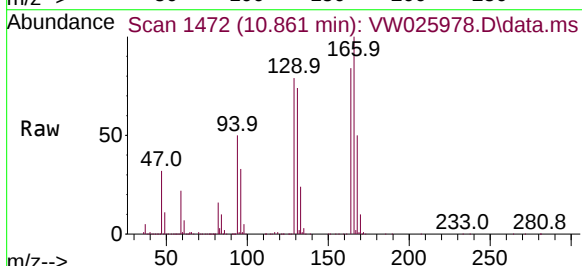
Ion Ratio Lower Upper

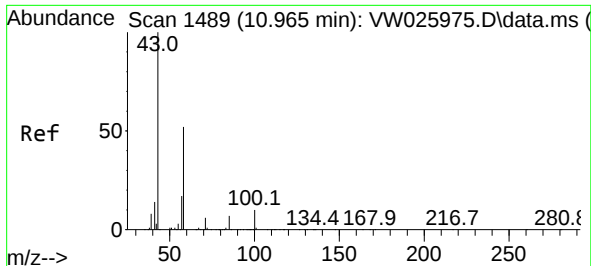
164 100

129 94.2 74.3 138.1

131 87.8 71.3 132.3

166 119.4 91.5 169.9

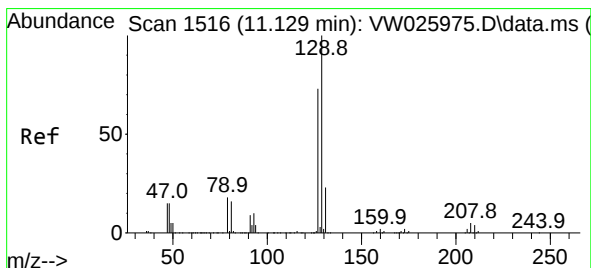
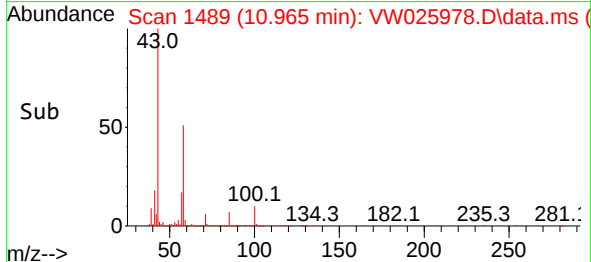
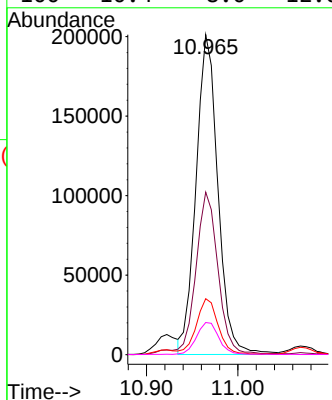
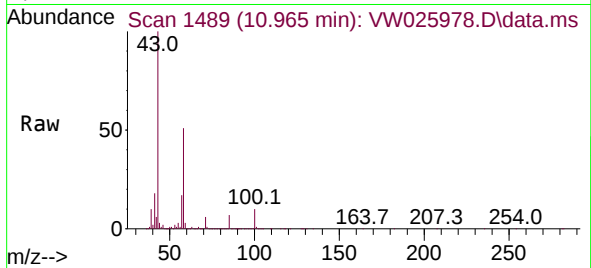




#48
2-Hexanone
Concen: 65.657 ug/L
RT: 10.965 min Scan# 1489
Delta R.T. -0.000 min
Lab File: VW025978.D
Acq: 15 May 2023 12:37

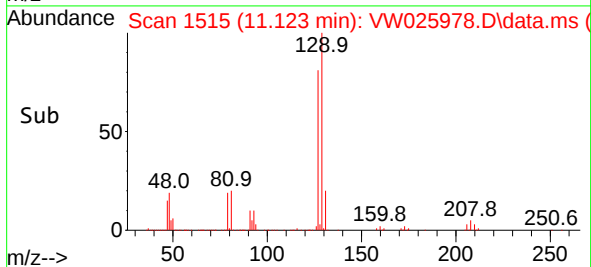
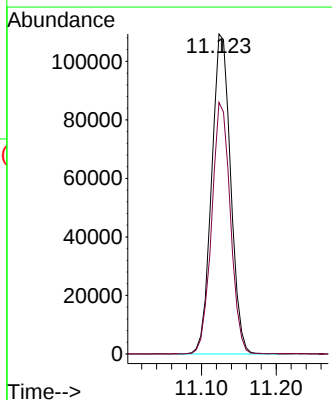
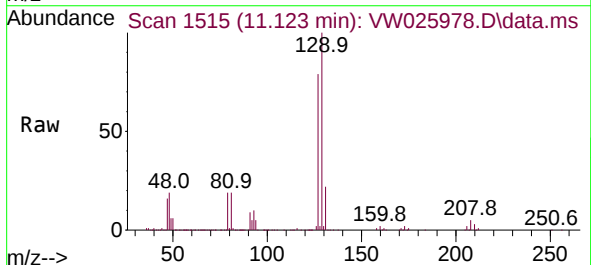
Instrument :
MSVOA_W
ClientSampleId :
GBW01MS

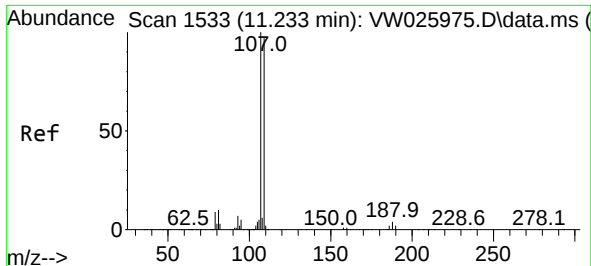
Tgt Ion: 43 Resp: 335832
Ion Ratio Lower Upper
43 100
58 50.7 40.8 61.2
57 17.4 13.6 20.4
100 10.4 8.0 12.0



#49
Dibromochloromethane
Concen: 25.534 ug/L
RT: 11.123 min Scan# 1515
Delta R.T. -0.006 min
Lab File: VW025978.D
Acq: 15 May 2023 12:37

Tgt Ion: 129 Resp: 193973
Ion Ratio Lower Upper
129 100
127 78.6 56.1 104.3

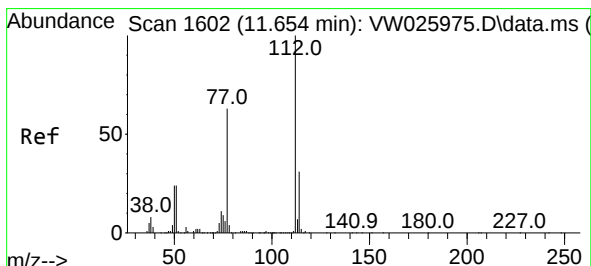
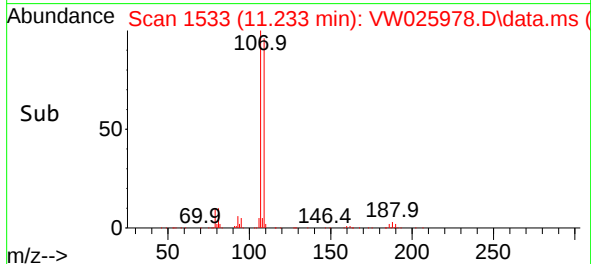
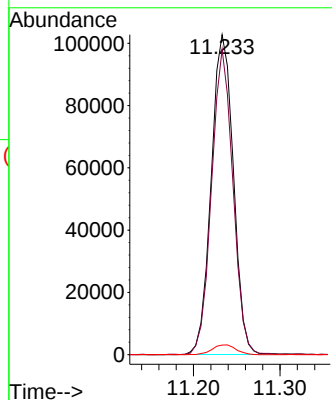
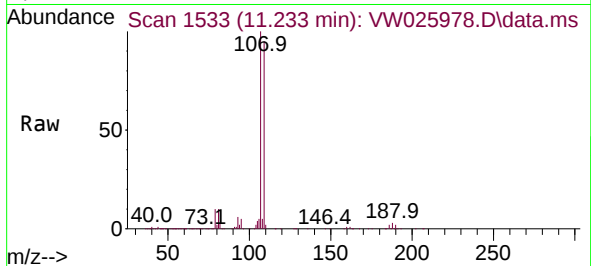




#50
1,2-Dibromoethane
Concen: 26.952 ug/L
RT: 11.233 min Scan# 1533
Delta R.T. -0.000 min
Lab File: VW025978.D
Acq: 15 May 2023 12:37

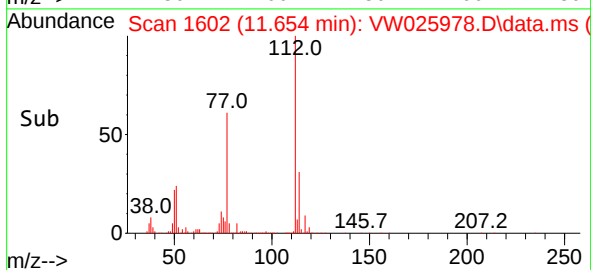
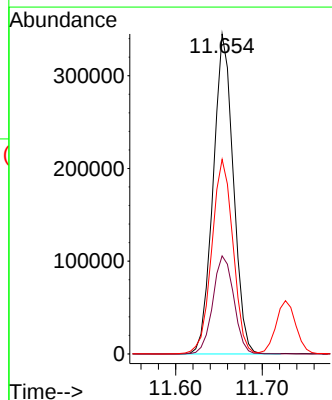
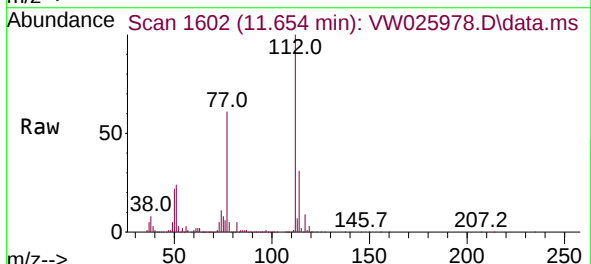
Instrument :
MSVOA_W
ClientSampleId :
GBW01MS

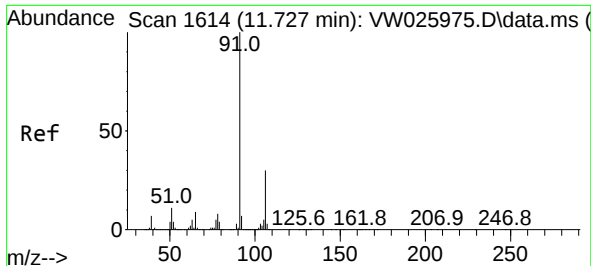
Tgt Ion:107 Resp: 182315
Ion Ratio Lower Upper
107 100
109 95.4 67.5 125.4
188 3.0 2.6 4.0



#51
Chlorobenzene
Concen: 22.082 ug/L
RT: 11.654 min Scan# 1602
Delta R.T. -0.000 min
Lab File: VW025978.D
Acq: 15 May 2023 12:37

Tgt Ion:112 Resp: 559616
Ion Ratio Lower Upper
112 100
114 30.6 22.7 42.3
77 60.8 53.0 79.6

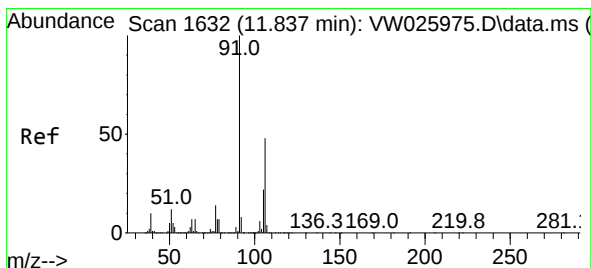
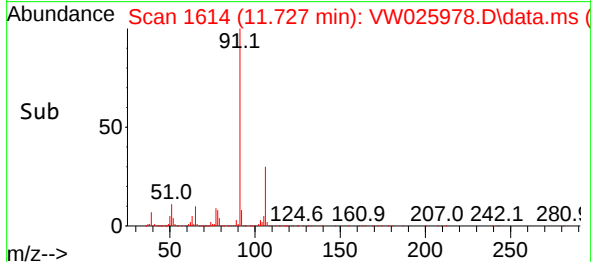
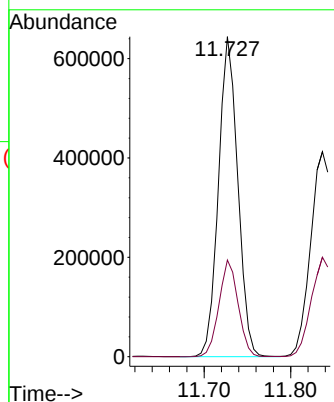
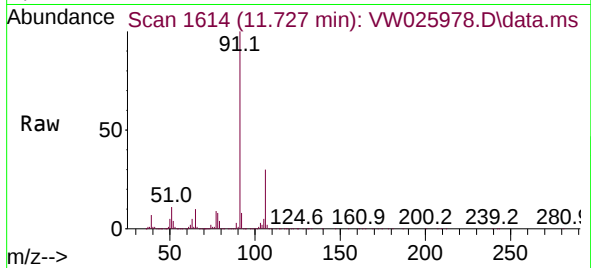




#52
Ethylbenzene
Concen: 21.663 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VW025978.D
Acq: 15 May 2023 12:37

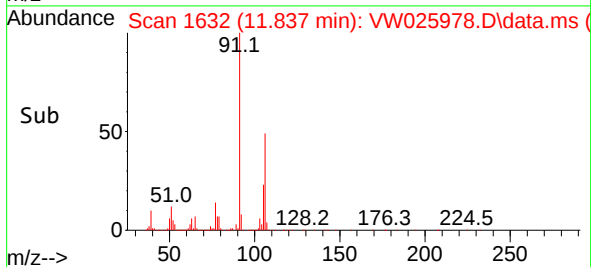
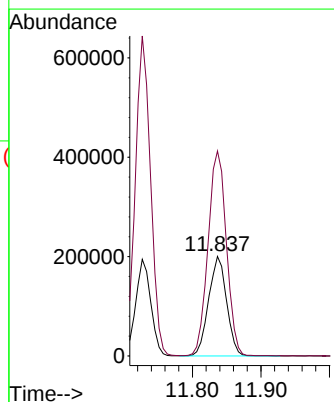
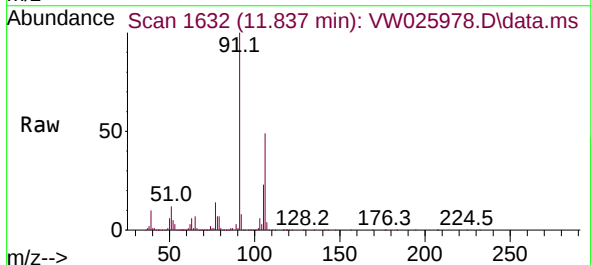
Instrument :
MSVOA_W
ClientSampleId :
GBW01MS

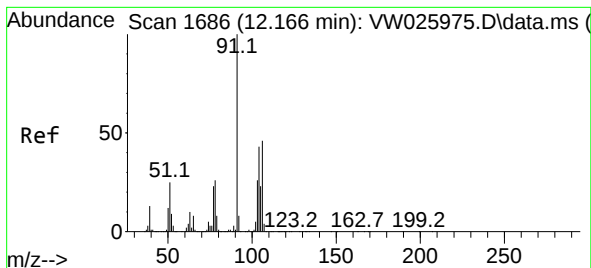
Tgt Ion: 91 Resp: 996892
Ion Ratio Lower Upper
91 100
106 30.2 20.8 38.6



#53
m,p-Xylene
Concen: 21.618 ug/L
RT: 11.837 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VW025978.D
Acq: 15 May 2023 12:37

Tgt Ion: 106 Resp: 366127
Ion Ratio Lower Upper
106 100
91 205.9 150.1 278.9





#54

o-Xylene

Concen: 22.180 ug/L

RT: 12.160 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW025978.D

Acq: 15 May 2023 12:37

Instrument :

MSVOA_W

ClientSampleId :

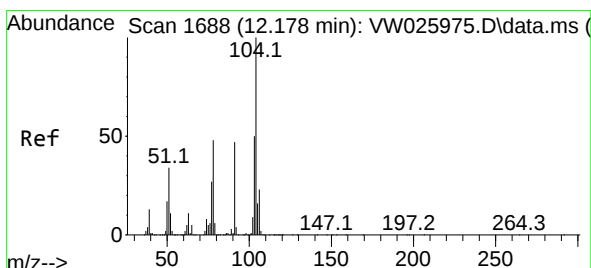
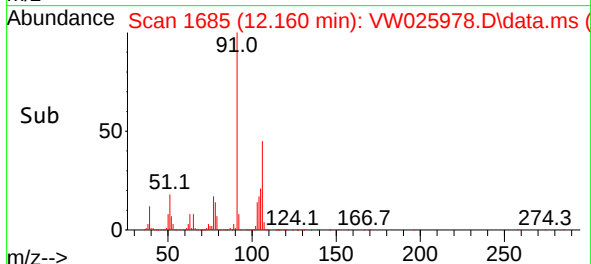
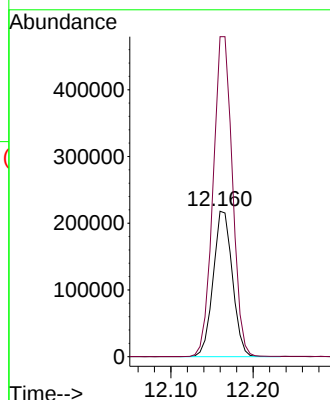
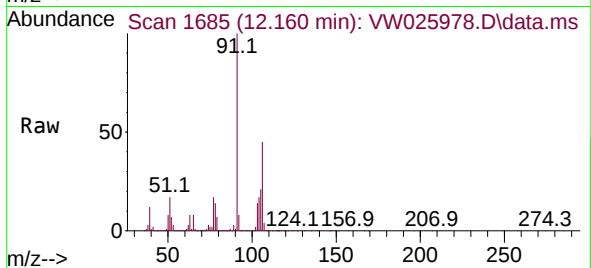
GBW01MS

Tgt Ion:106 Resp: 354067

Ion Ratio Lower Upper

106 100

91 219.9 157.8 293.1



#55

Styrene

Concen: 19.359 ug/L

RT: 12.178 min Scan# 1688

Delta R.T. -0.000 min

Lab File: VW025978.D

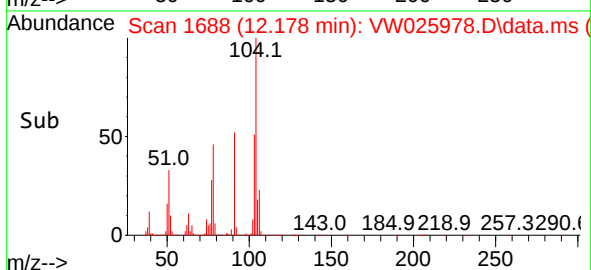
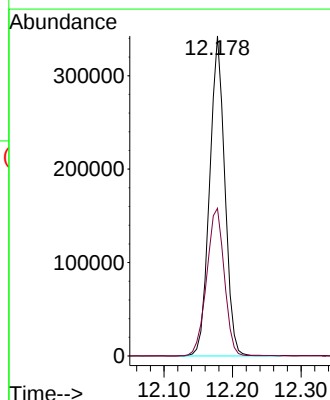
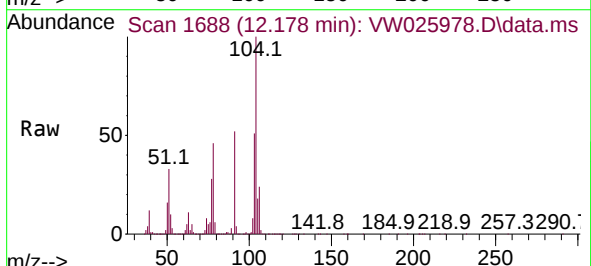
Acq: 15 May 2023 12:37

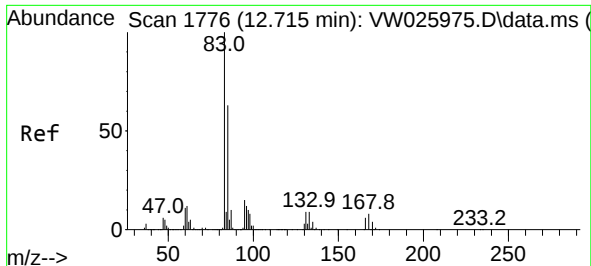
Tgt Ion:104 Resp: 528949

Ion Ratio Lower Upper

104 100

78 46.1 33.4 62.0





#57

1,1,2,2-Tetrachloroethane

Concen: 29.120 ug/L

RT: 12.708 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW025978.D

Acq: 15 May 2023 12:37

Instrument :

MSVOA_W

ClientSampleId :

GBW01MS

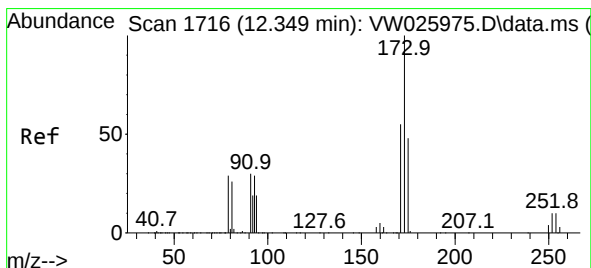
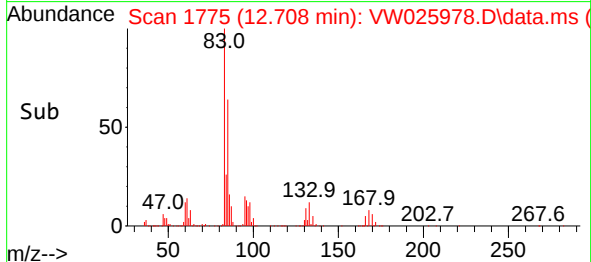
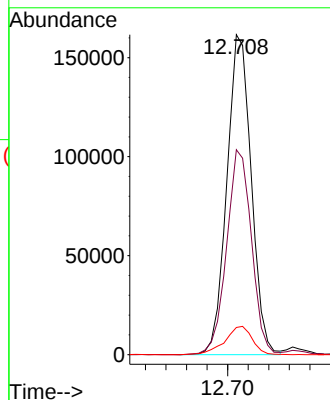
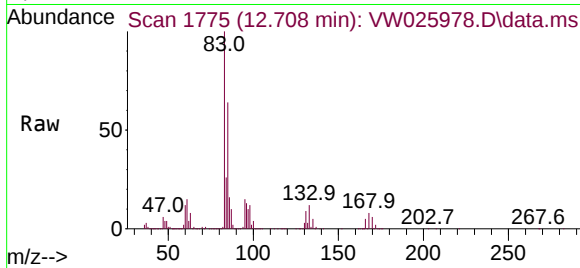
Tgt Ion: 83 Resp: 266611

Ion Ratio Lower Upper

83 100

85 64.1 45.6 84.8

131 8.5 8.1 12.1



#59

Bromoform

Concen: 27.755 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. -0.000 min

Lab File: VW025978.D

Acq: 15 May 2023 12:37

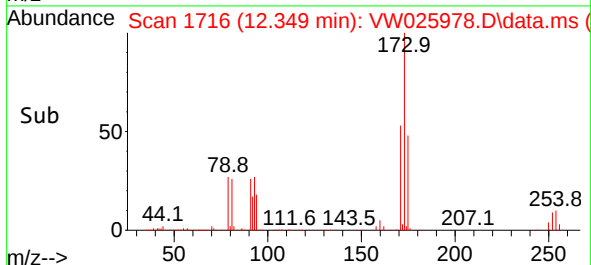
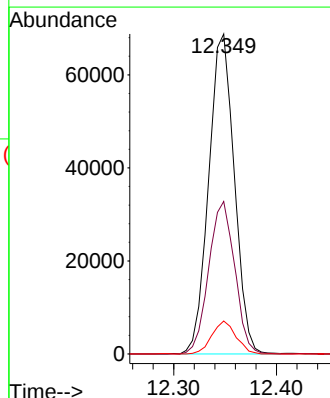
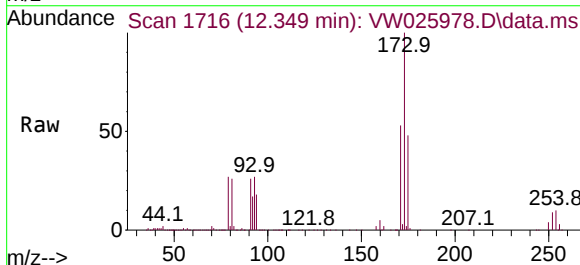
Tgt Ion:173 Resp: 119062

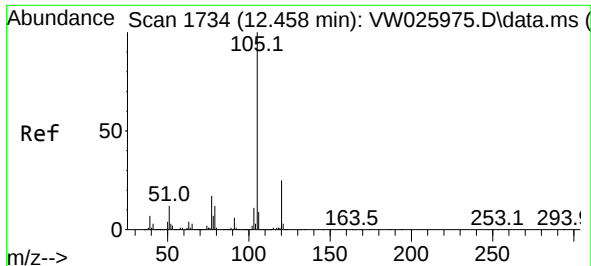
Ion Ratio Lower Upper

173 100

175 48.3 38.6 57.8

254 9.7 7.6 11.4

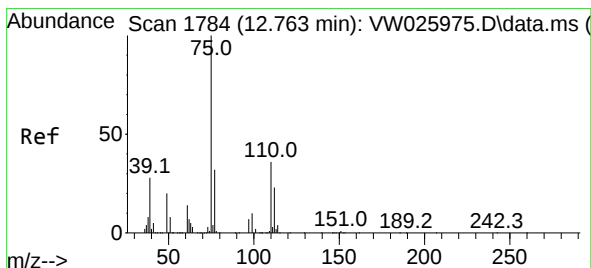
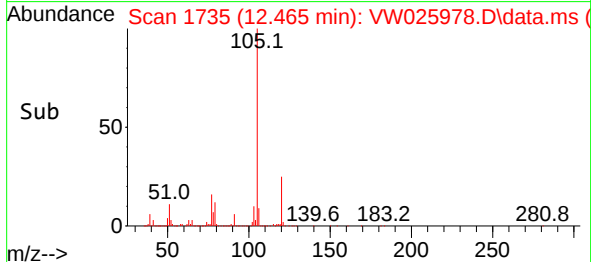
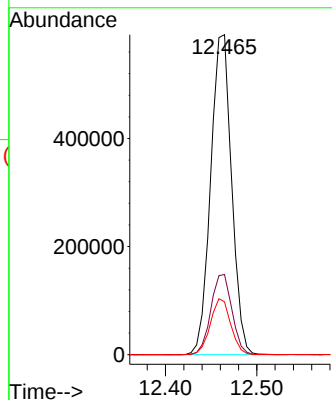
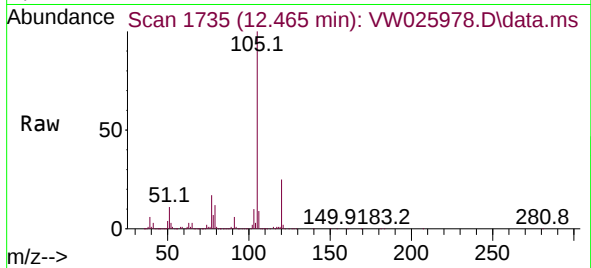




#60
Isopropylbenzene
Concen: 21.360 ug/L
RT: 12.465 min Scan# 1735
Delta R.T. 0.006 min
Lab File: VW025978.D
Acq: 15 May 2023 12:37

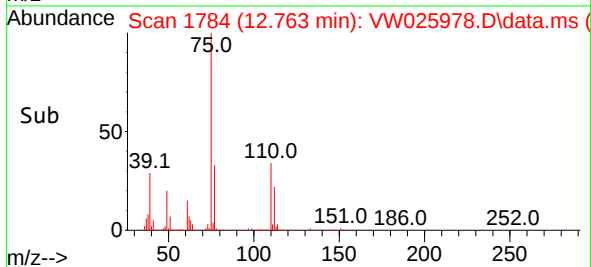
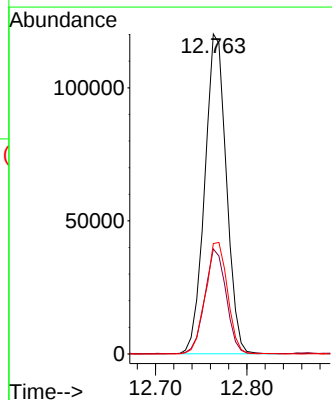
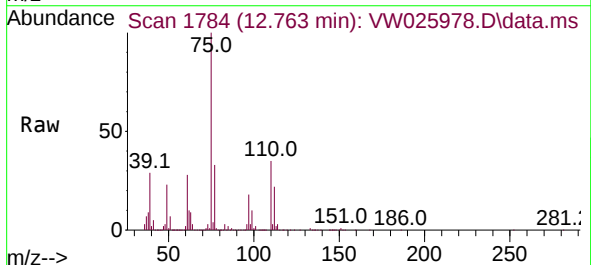
Instrument :
MSVOA_W
ClientSampleId :
GBW01MS

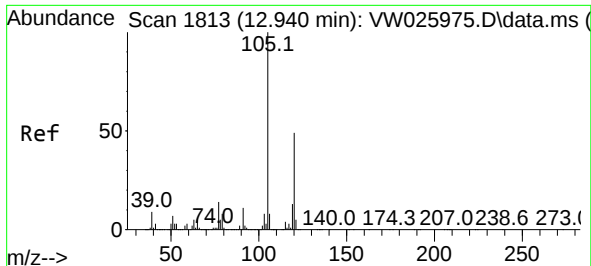
Tgt Ion:105 Resp: 940329
Ion Ratio Lower Upper
105 100
120 25.4 21.1 31.7
77 17.0 13.4 20.0



#61
1,2,3-Trichloropropane
Concen: 28.806 ug/L
RT: 12.763 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VW025978.D
Acq: 15 May 2023 12:37

Tgt Ion: 75 Resp: 197162
Ion Ratio Lower Upper
75 100
77 32.2 25.2 37.8
110 35.6 27.6 41.4

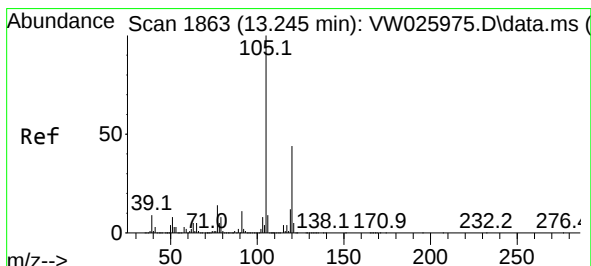
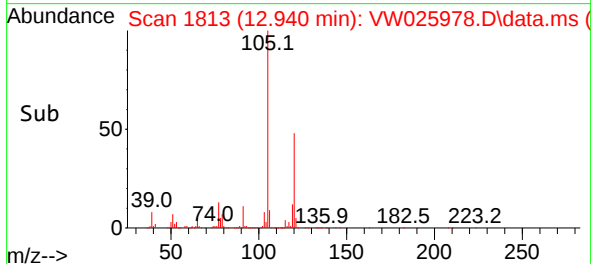
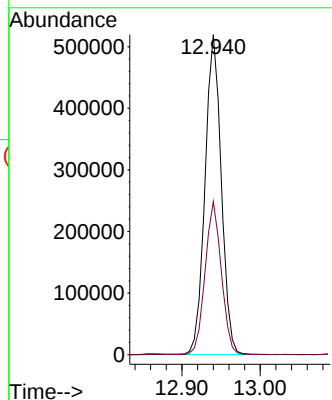
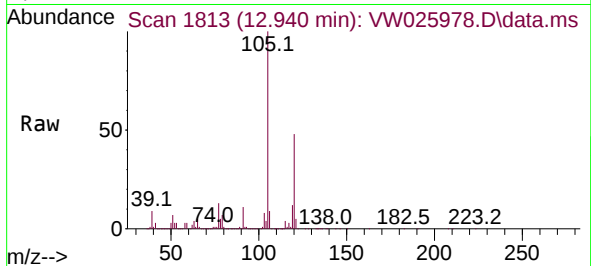




#62
 1,3,5-Trimethylbenzene
 Concen: 21.420 ug/L
 RT: 12.940 min Scan# 1813
 Delta R.T. -0.000 min
 Lab File: VW025978.D
 Acq: 15 May 2023 12:37

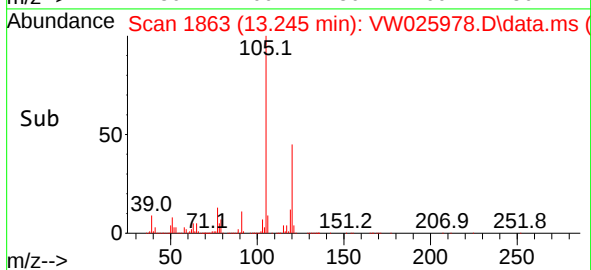
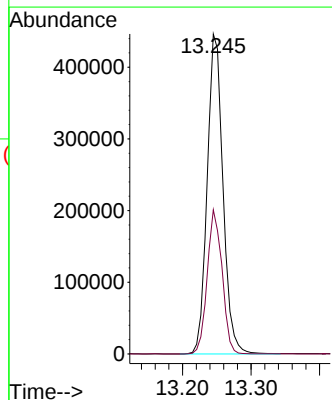
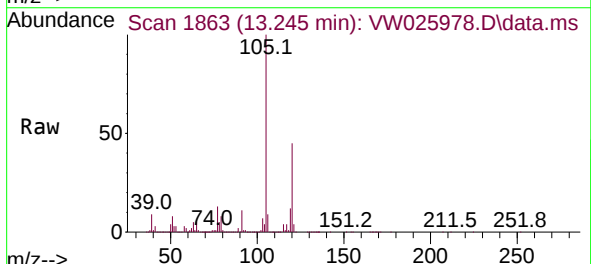
Instrument :
 MSVOA_W
 ClientSampleId :
 GBW01MS

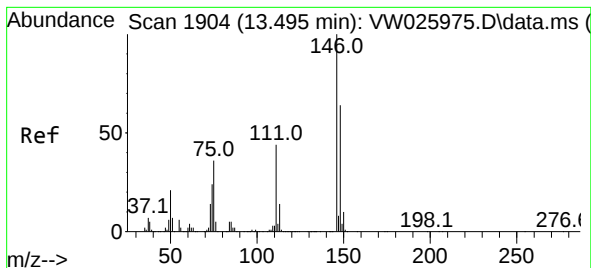
Tgt Ion:105 Resp: 746874
 Ion Ratio Lower Upper
 105 100
 120 47.8 37.1 55.7



#63
 1,2,4-Trimethylbenzene
 Concen: 22.261 ug/L
 RT: 13.245 min Scan# 1863
 Delta R.T. -0.000 min
 Lab File: VW025978.D
 Acq: 15 May 2023 12:37

Tgt Ion:105 Resp: 716244
 Ion Ratio Lower Upper
 105 100
 120 42.4 34.7 52.1





#64

1,3-Dichlorobenzene

Concen: 21.244 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW025978.D

Acq: 15 May 2023 12:37

Instrument :

MSVOA_W

ClientSampleId :

GBW01MS

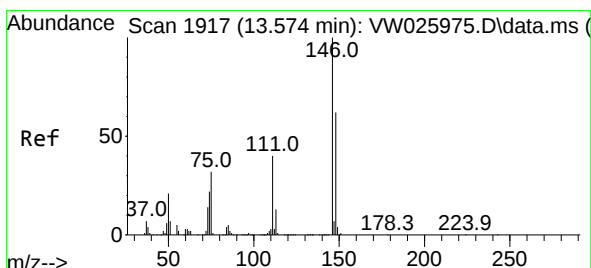
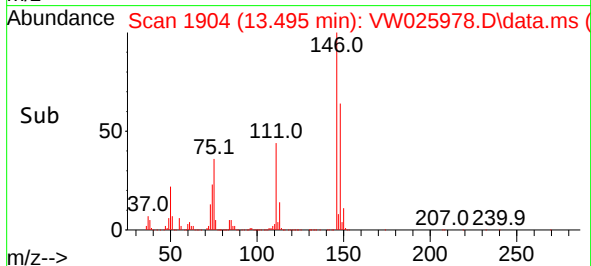
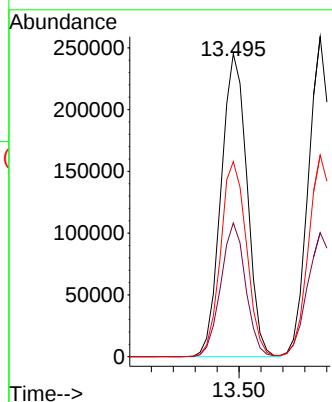
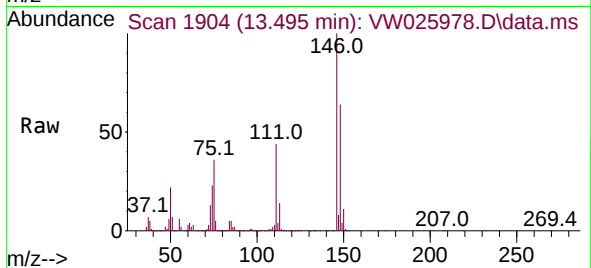
Tgt Ion:146 Resp: 402581

Ion Ratio Lower Upper

146 100

111 44.1 30.4 56.4

148 64.3 40.8 75.8



#65

1,4-Dichlorobenzene

Concen: 21.098 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. -0.000 min

Lab File: VW025978.D

Acq: 15 May 2023 12:37

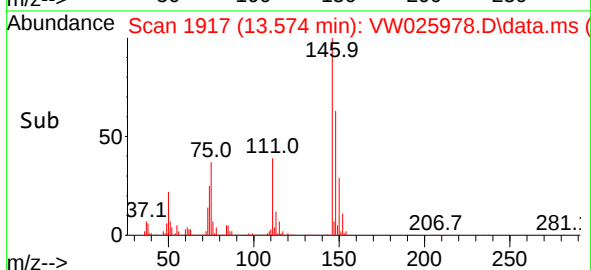
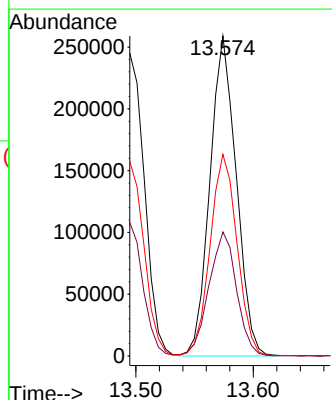
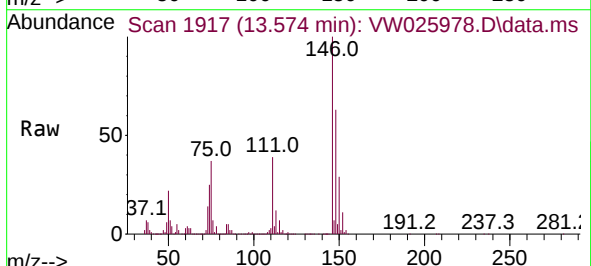
Tgt Ion:146 Resp: 403931

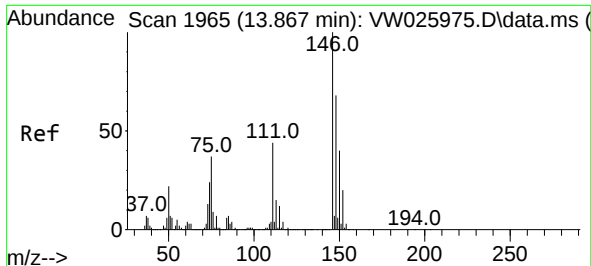
Ion Ratio Lower Upper

146 100

111 38.8 27.9 51.9

148 63.0 44.7 82.9





#67

1,2-Dichlorobenzene

Concen: 22.446 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW025978.D

Acq: 15 May 2023 12:37

Instrument :

MSVOA_W

ClientSampleId :

GBW01MS

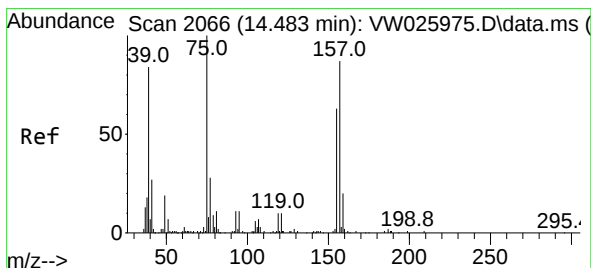
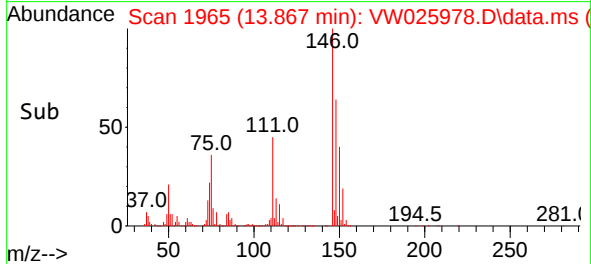
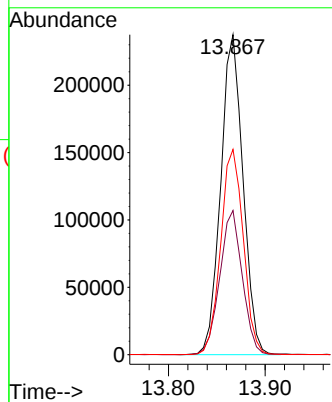
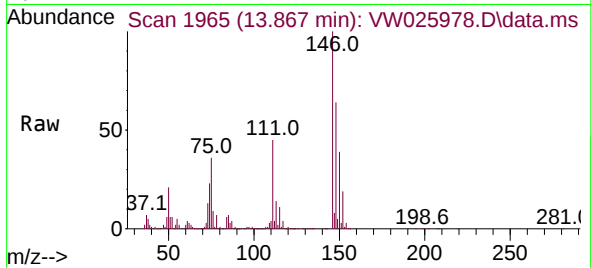
Tgt Ion:146 Resp: 379355

Ion Ratio Lower Upper

146 100

111 45.1 37.7 56.5

148 64.2 49.4 74.0



#68

1,2-Dibromo-3-chloropropane

Concen: 29.808 ug/L

RT: 14.476 min Scan# 2065

Delta R.T. -0.006 min

Lab File: VW025978.D

Acq: 15 May 2023 12:37

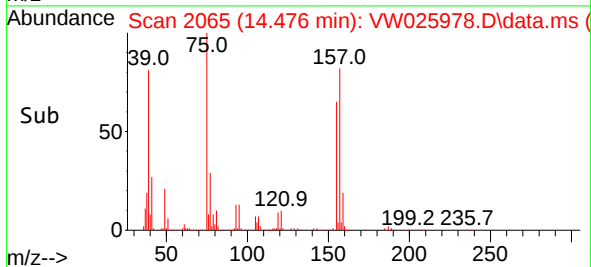
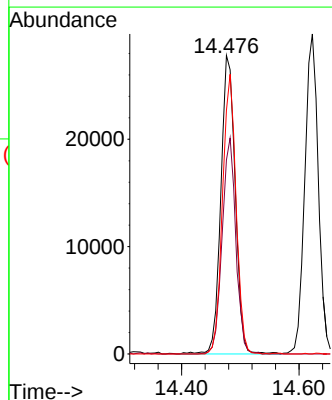
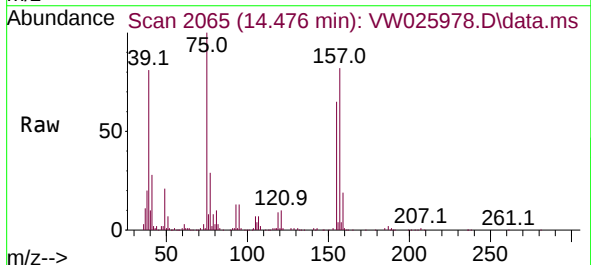
Tgt Ion: 75 Resp: 47309

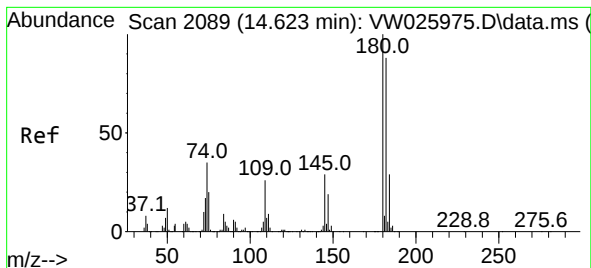
Ion Ratio Lower Upper

75 100

155 65.0 56.3 84.5

157 81.6 66.3 99.5





#69

1,3,5-Trichlorobenzene

Concen: 17.957 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. -0.000 min

Lab File: VW025978.D

Acq: 15 May 2023 12:37

Instrument :

MSVOA_W

ClientSampleId :

GBW01MS

Tgt Ion:180 Resp: 225891

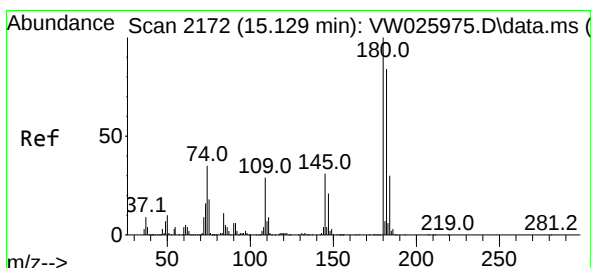
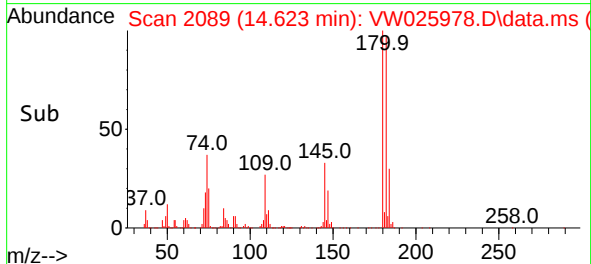
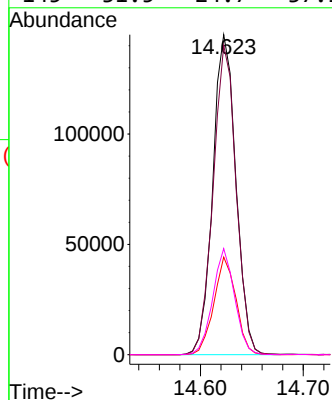
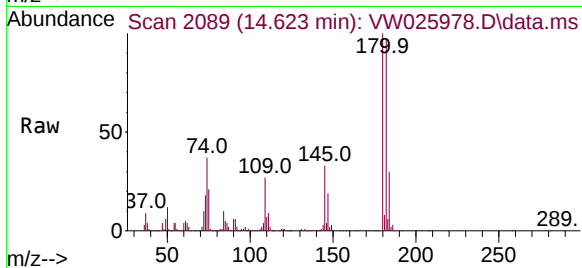
Ion Ratio Lower Upper

180 100

182 96.3 77.4 116.0

184 29.2 24.7 37.1

145 31.5 24.7 37.1



#70

1,2,4-trichlorobenzene

Concen: 18.420 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. -0.000 min

Lab File: VW025978.D

Acq: 15 May 2023 12:37

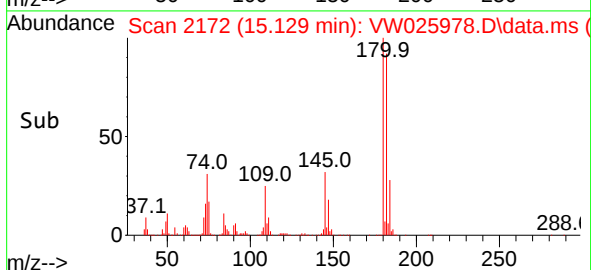
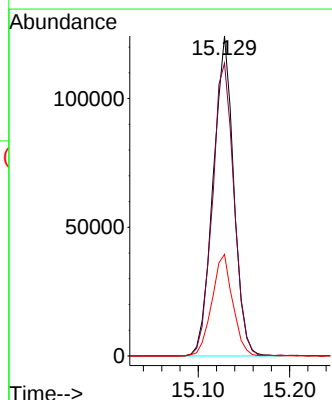
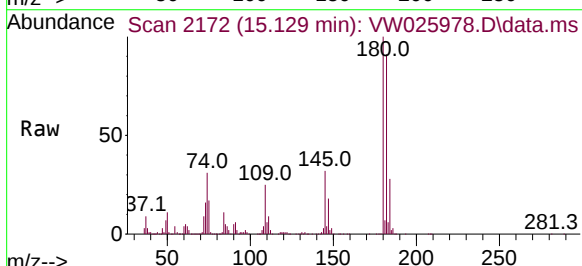
Tgt Ion:180 Resp: 194116

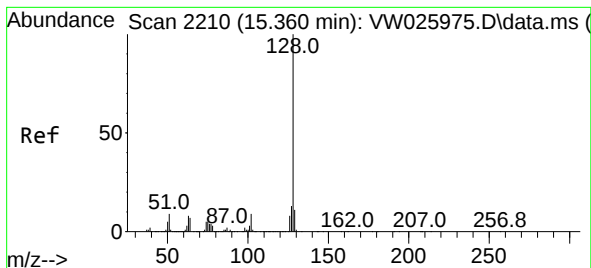
Ion Ratio Lower Upper

180 100

182 95.5 74.3 111.5

145 32.1 25.4 38.0





#71

Naphthalene

Concen: 25.256 ug/L

RT: 15.360 min Scan# 21

Delta R.T. -0.000 min

Lab File: VW025978.D

Acq: 15 May 2023 12:37

Instrument :

MSVOA_W

ClientSampleId :

GBW01MS

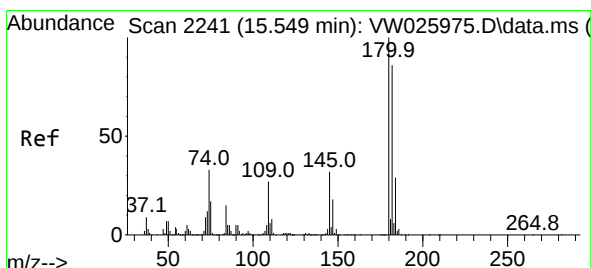
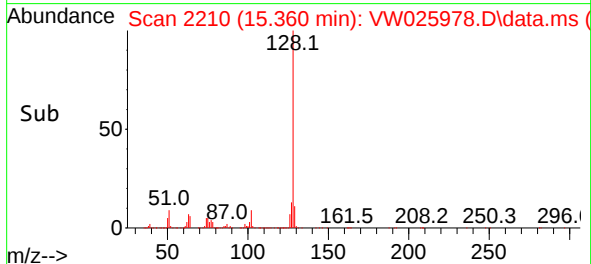
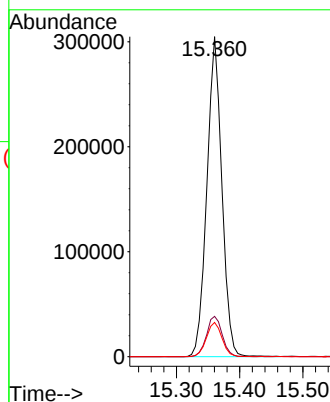
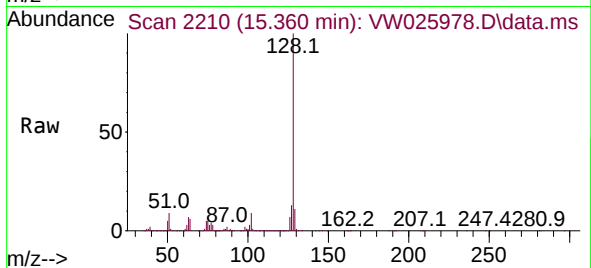
Tgt Ion:128 Resp: 502353

Ion Ratio Lower Upper

128 100

127 13.2 10.5 15.7

129 11.1 8.5 12.7



#72

1,2,3-Trichlorobenzene

Concen: 20.201 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. -0.000 min

Lab File: VW025978.D

Acq: 15 May 2023 12:37

Tgt Ion:180 Resp: 188897

Ion Ratio Lower Upper

180 100

182 98.1 76.1 114.1

145 35.6 28.0 42.0

