

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042023\
 Data File : VW025597.D
 Acq On : 20 Apr 2023 11:41
 Operator : SY/MD
 Sample : 02418-10MSRE
 Misc : 4.26g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EW8Z5REMS

Quant Time: Apr 21 01:48:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040323SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Apr 21 01:47:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	734572	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	454380	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	107657	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	258667	21.639	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.560%
7) Chloroethane-d5	2.899	69	207957	24.435	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.760%
11) 1,1-Dichloroethene-d2	4.027	63	523662	21.662	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	86.640%
21) 2-Butanone-d5	7.075	46	180818	67.806	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	135.620%#
24) Chloroform-d	7.648	84	521076	25.264	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.040%
26) 1,2-Dichloroethane-d4	8.307	65	282913	26.366	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.480%
32) Benzene-d6	8.276	84	988817	33.608	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	134.440%
36) 1,2-Dichloropropane-d6	9.270	67	325920	35.527	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	142.120%#
41) Toluene-d8	10.325	98	720108	28.019	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	112.080%
43) trans-1,3-Dichloroprop...	10.575	79	103120	29.982	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	119.920%
47) 2-Hexanone-d5	10.922	63	115467	92.084	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	184.160%#
56) 1,1,2,2-Tetrachloroeth...	12.690	84	179877	29.051	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	116.200%
66) 1,2-Dichlorobenzene-d4	13.848	152	87093	23.548	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.021	85	226314	22.031	ug/L	94
3) Chloromethane	2.222	50	312108	26.189	ug/L	98
5) Vinyl chloride	2.375	62	321089	24.372	ug/L	95
6) Bromomethane	2.789	94	165379	23.335	ug/L	98
8) Chloroethane	2.936	64	189064	25.623	ug/L	98
9) Trichlorofluoromethane	3.265	101	239106	23.558	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.076	101	208964	20.516	ug/L	99
12) 1,1-Dichloroethene	4.045	96	232126	22.769	ug/L	97
13) Acetone	4.118	43	215061	95.289	ug/L	99
14) Carbon disulfide	4.393	76	653429	18.167	ug/L	100
15) Methyl Acetate	4.667	43	122184	24.097	ug/L	98
16) Methylene chloride	4.917	84	289535	24.797	ug/L	99
17) trans-1,2-Dichloroethene	5.429	96	239012	22.051	ug/L	97
18) Methyl tert-butyl Ether	5.423	73	438805	29.335	ug/L	99
19) 1,1-Dichloroethane	6.222	63	548699	25.338	ug/L	99
20) cis-1,2-Dichloroethene	7.173	96	268811	23.836	ug/L #	100
22) 2-Butanone	7.167	43	233966	72.922	ug/L	97
23) Bromochloromethane	7.514	128	116701	25.234	ug/L	99
25) Chloroform	7.679	83	489131	24.699	ug/L	96

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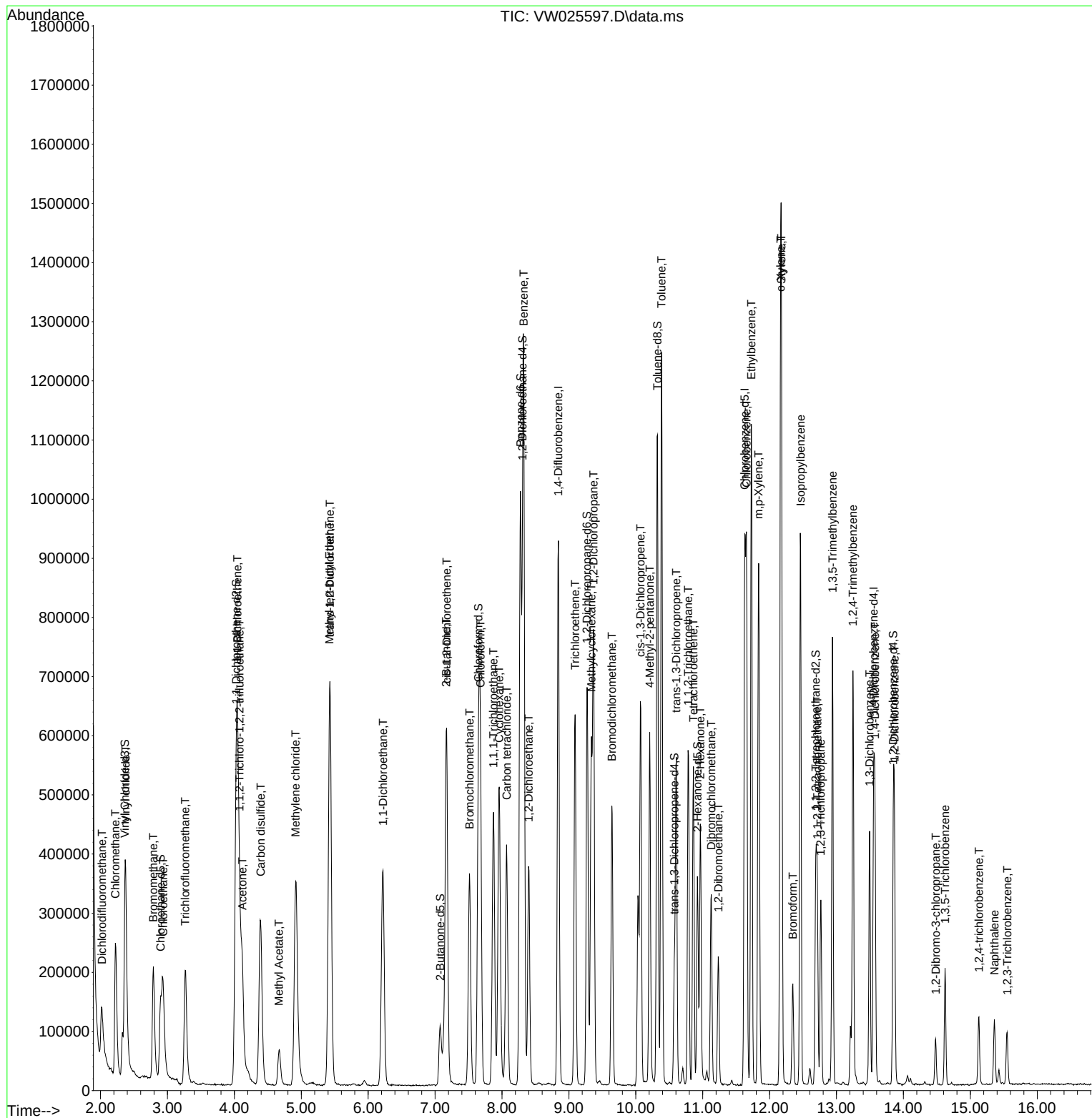
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	335397	25.239	ug/L	98
29) Cyclohexane	7.959	56	290652	19.763	ug/L	99
30) 1,1,1-Trichloroethane	7.874	97	373719	33.102	ug/L	99
31) Carbon tetrachloride	8.069	117	294933	28.927	ug/L	99
33) Benzene	8.325	78	1044100	33.013	ug/L	100
34) Trichloroethene	9.093	95	226150	27.491	ug/L	97
35) Methylcyclohexane	9.337	83	201165	13.542	ug/L	99
37) 1,2-Dichloropropane	9.368	63	290626	34.795	ug/L	100
38) Bromodichloromethane	9.642	83	317739	33.248	ug/L	97
39) cis-1,3-Dichloropropene	10.069	75	375780	31.364	ug/L	97
40) 4-Methyl-2-pentanone	10.209	43	410684	86.866	ug/L	100
42) Toluene	10.386	91	877048	27.233	ug/L	96
44) trans-1,3-Dichloropropene	10.605	75	291333	29.488	ug/L	100
45) 1,1,2-Trichloroethane	10.782	97	176736	33.185	ug/L	98
46) Tetrachloroethene	10.861	164	112628	19.466	ug/L	96
48) 2-Hexanone	10.965	43	291745	89.312	ug/L	98
49) Dibromochloromethane	11.129	129	164125	29.269	ug/L	97
50) 1,2-Dibromoethane	11.233	107	145931	29.822	ug/L	96
51) Chlorobenzene	11.654	112	435284	21.934	ug/L	98
52) Ethylbenzene	11.727	91	755494	20.730	ug/L	97
53) m,p-Xylene	11.837	106	266542	19.944	ug/L	97
54) o-Xylene	12.166	106	257409	20.588	ug/L	95
55) Styrene	12.178	104	429338	20.402	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.714	83	163822	25.680	ug/L	99
59) Bromoform	12.349	173	75735	51.338	ug/L	96
60) Isopropylbenzene	12.465	105	583007	34.571	ug/L	98
61) 1,2,3-Trichloropropane	12.763	75	132022	59.169	ug/L	99
62) 1,3,5-Trimethylbenzene	12.940	105	382867	28.760	ug/L	100
63) 1,2,4-Trimethylbenzene	13.245	105	365568	28.518	ug/L	99
64) 1,3-Dichlorobenzene	13.495	146	157724	22.569	ug/L	93
65) 1,4-Dichlorobenzene	13.574	146	157882	22.121	ug/L	99
67) 1,2-Dichlorobenzene	13.867	146	138502	22.606	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.482	75	21044	42.994	ug/L	94
69) 1,3,5-Trichlorobenzene	14.623	180	55488	11.859	ug/L	98
70) 1,2,4-trichlorobenzene	15.129	180	35085	9.231	ug/L	94
71) Naphthalene	15.360	128	91334	12.878	ug/L	99
72) 1,2,3-Trichlorobenzene	15.555	180	26955	8.111	ug/L	96

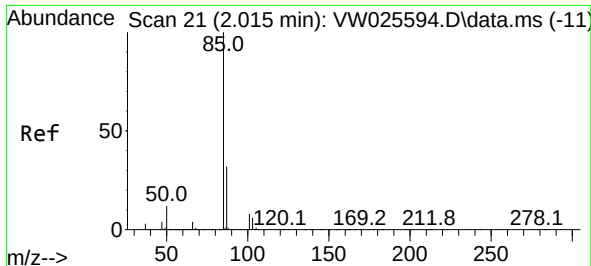
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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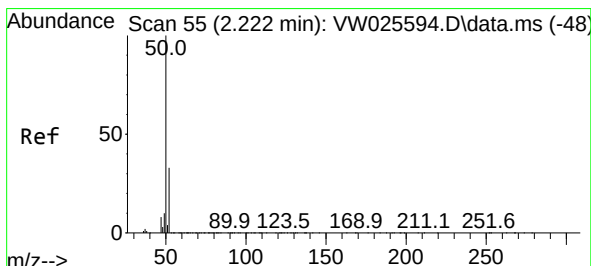
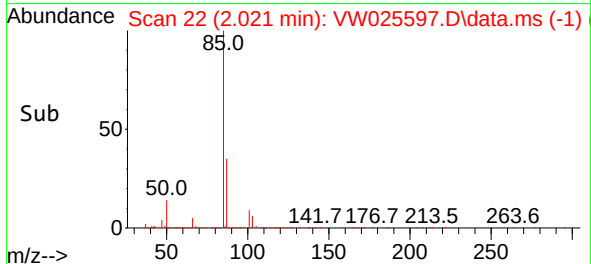
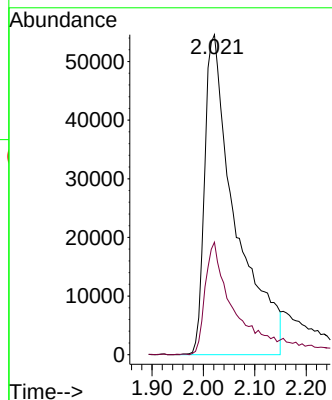
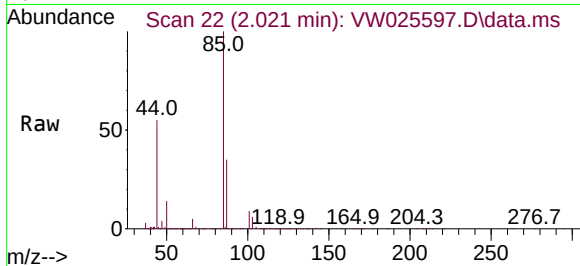




#2
 Dichlorodifluoromethane
 Concen: 22.031 ug/L
 RT: 2.021 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VW025597.D
 Acq: 20 Apr 2023 11:41

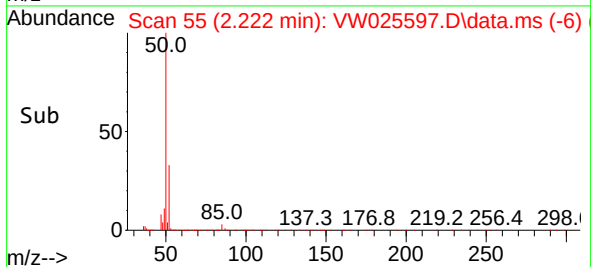
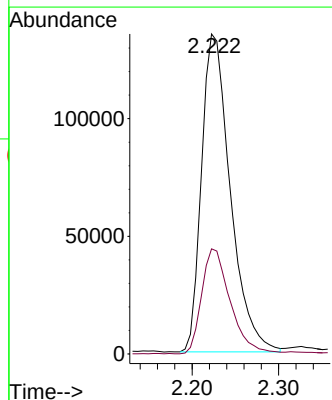
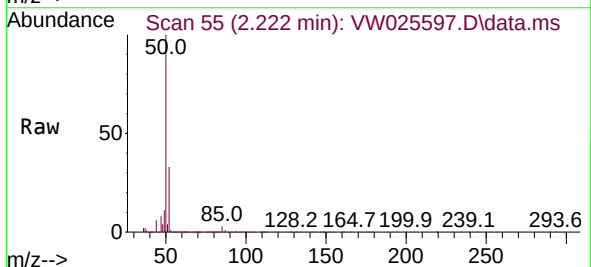
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 ClientSampleId :
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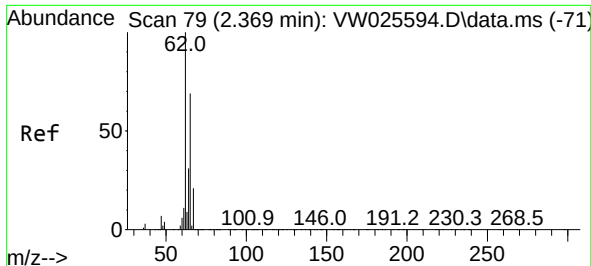
Tgt Ion: 85 Resp: 226314
 Ion Ratio Lower Upper
 85 100
 87 27.3 24.6 37.0



#3
 Chloromethane
 Concen: 26.189 ug/L
 RT: 2.222 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VW025597.D
 Acq: 20 Apr 2023 11:41

Tgt Ion: 50 Resp: 312108
 Ion Ratio Lower Upper
 50 100
 52 32.8 22.2 41.2

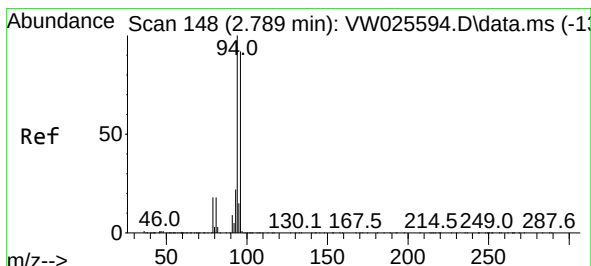
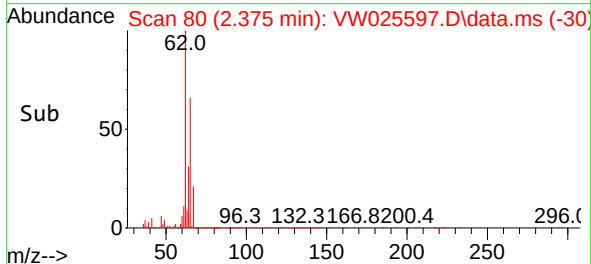
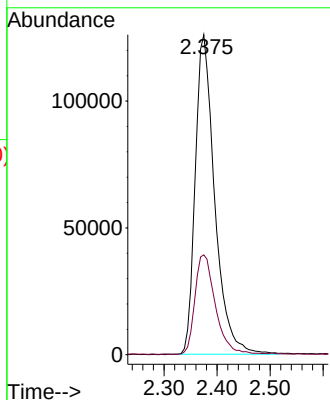
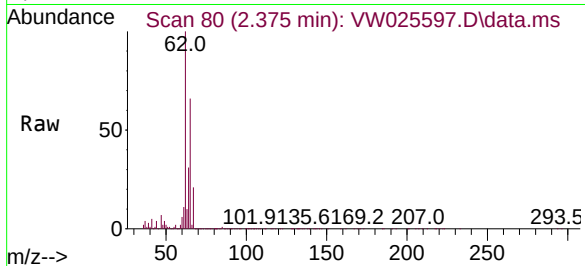




#5
 Vinyl chloride
 Concen: 24.372 ug/L
 RT: 2.375 min Scan# 80
 Delta R.T. 0.006 min
 Lab File: VW025597.D
 Acq: 20 Apr 2023 11:41

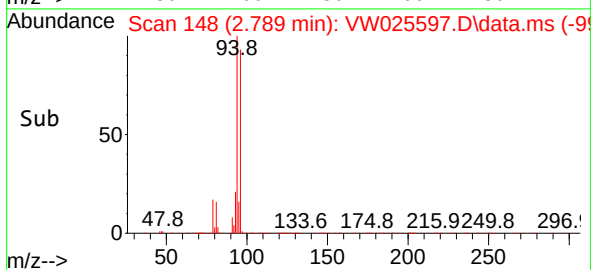
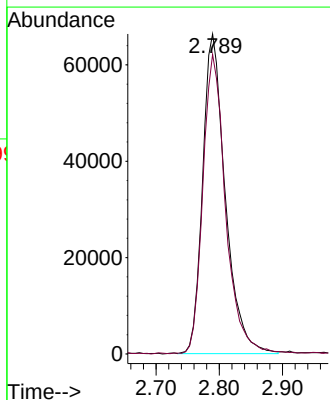
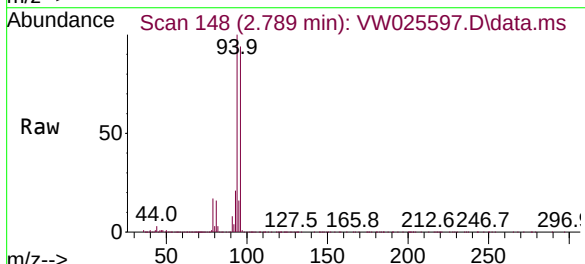
Instrument :
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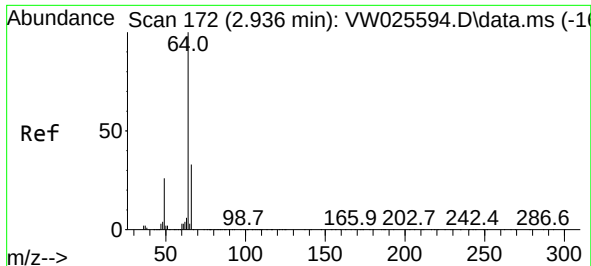
Tgt Ion: 62 Resp: 321089
 Ion Ratio Lower Upper
 62 100
 64 31.2 23.9 44.3



#6
 Bromomethane
 Concen: 23.335 ug/L
 RT: 2.789 min Scan# 148
 Delta R.T. 0.000 min
 Lab File: VW025597.D
 Acq: 20 Apr 2023 11:41

Tgt Ion: 94 Resp: 165379
 Ion Ratio Lower Upper
 94 100
 96 93.6 64.0 118.8

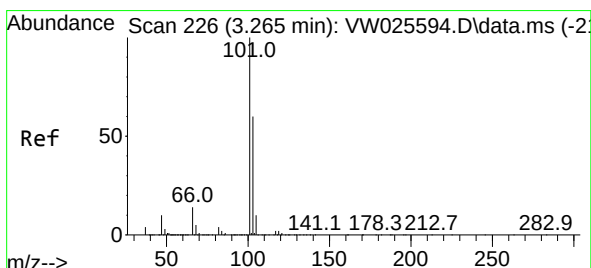
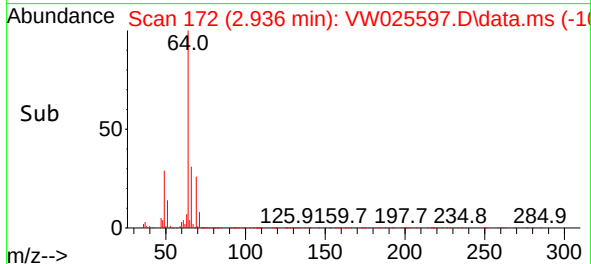
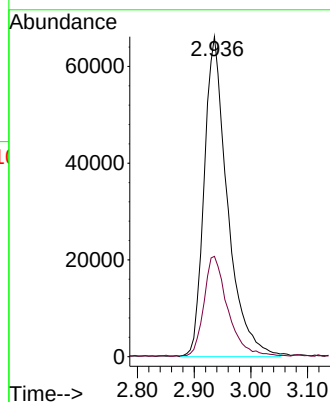
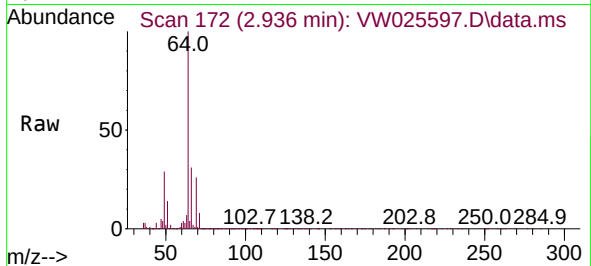




#8
Chloroethane
Concen: 25.623 ug/L
RT: 2.936 min Scan# 172
Delta R.T. 0.000 min
Lab File: VW025597.D
Acq: 20 Apr 2023 11:41

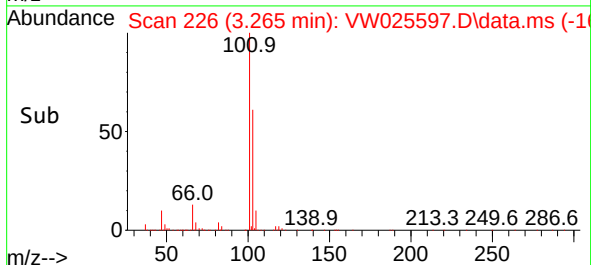
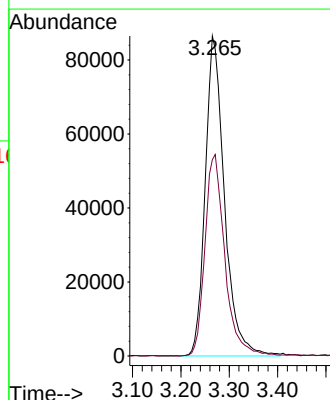
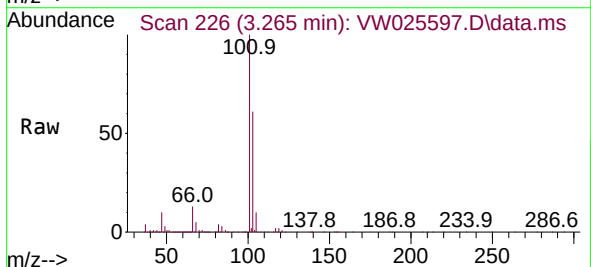
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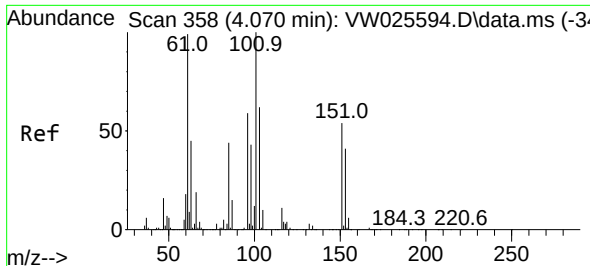
Tgt Ion: 64 Resp: 189064
Ion Ratio Lower Upper
64 100
66 31.3 22.9 42.5



#9
Trichlorofluoromethane
Concen: 23.558 ug/L
RT: 3.265 min Scan# 226
Delta R.T. 0.000 min
Lab File: VW025597.D
Acq: 20 Apr 2023 11:41

Tgt Ion:101 Resp: 239106
Ion Ratio Lower Upper
101 100
103 64.9 52.3 78.5

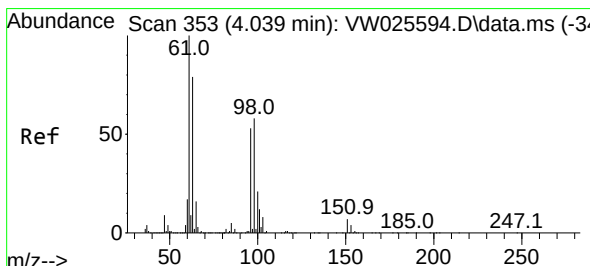
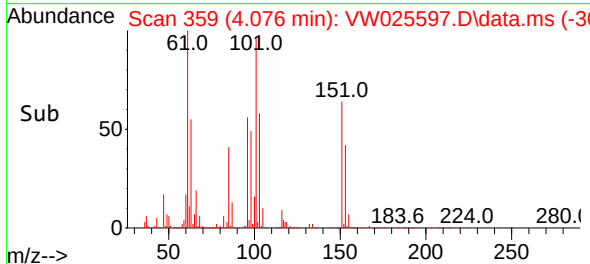
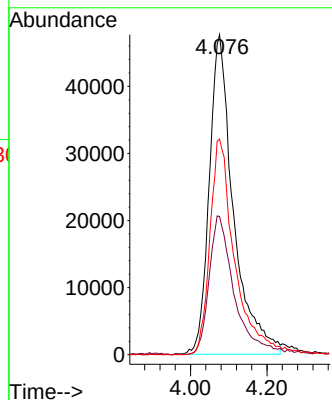
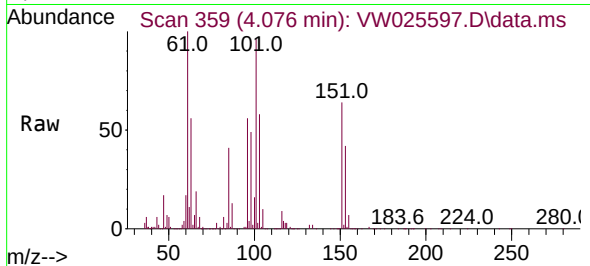




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 20.516 ug/L
 RT: 4.076 min Scan# 31
 Delta R.T. 0.006 min
 Lab File: VW025597.D
 Acq: 20 Apr 2023 11:41

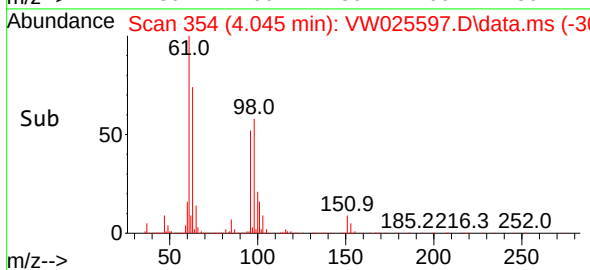
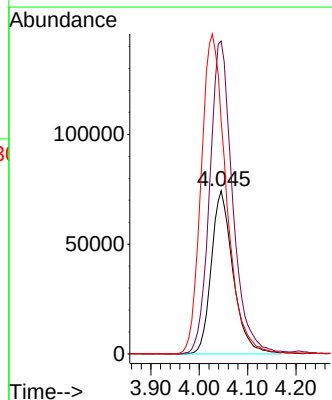
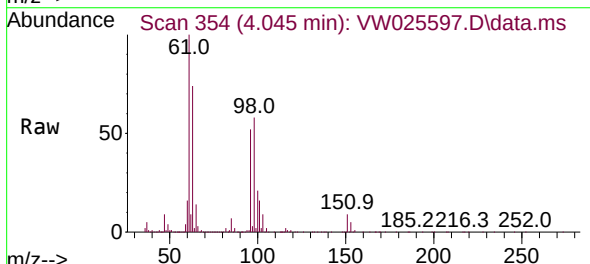
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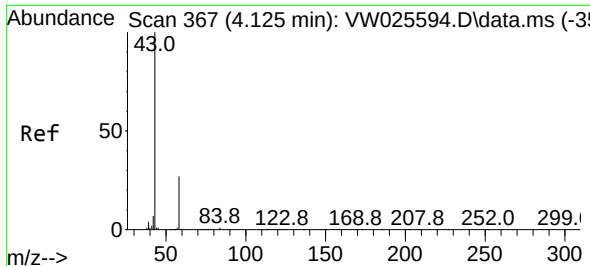
Tgt Ion:101 Resp: 208964
 Ion Ratio Lower Upper
 101 100
 85 44.1 34.5 51.7
 151 67.9 54.8 82.2



#12
 1,1-Dichloroethene
 Concen: 22.769 ug/L
 RT: 4.045 min Scan# 354
 Delta R.T. 0.006 min
 Lab File: VW025597.D
 Acq: 20 Apr 2023 11:41

Tgt Ion: 96 Resp: 232126
 Ion Ratio Lower Upper
 96 100
 61 191.6 132.7 246.4
 63 142.8 105.0 195.0

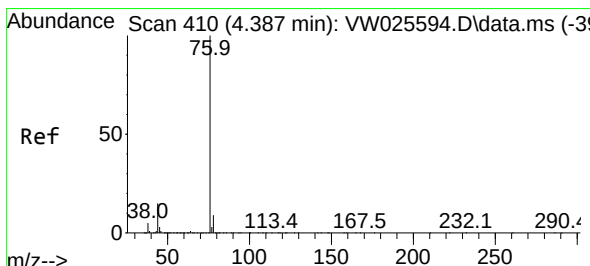
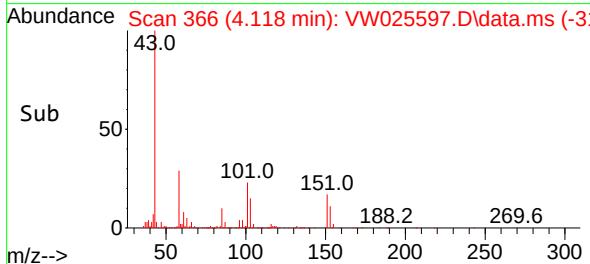
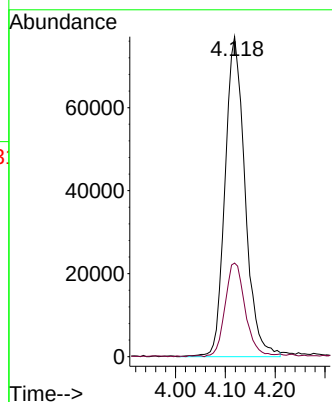
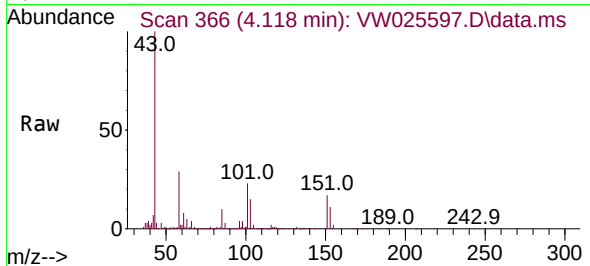




#13
Acetone
Concen: 95.289 ug/L
RT: 4.118 min Scan# 366
Delta R.T. -0.006 min
Lab File: VW025597.D
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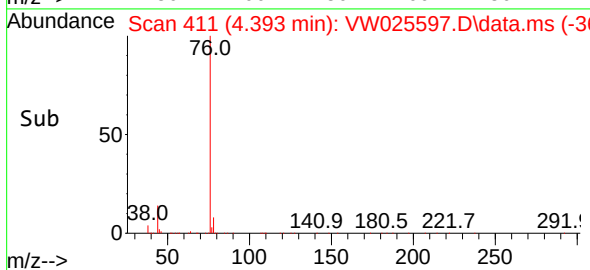
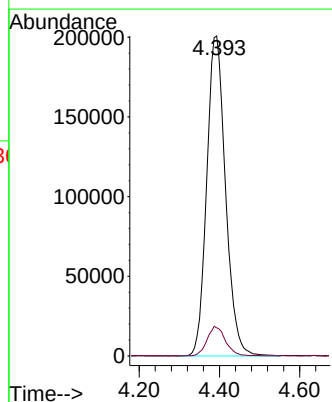
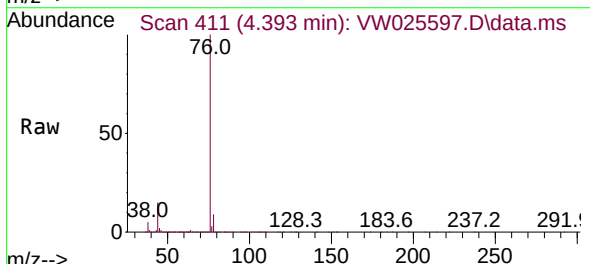
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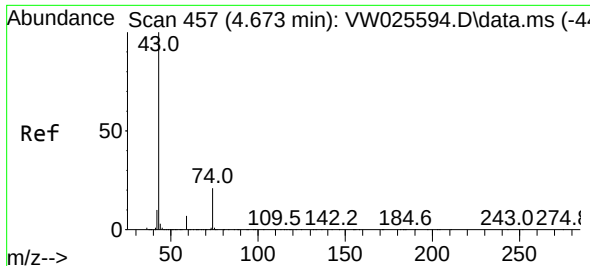
Tgt Ion: 43 Resp: 215061
Ion Ratio Lower Upper
43 100
58 29.4 0.0 57.4



#14
Carbon disulfide
Concen: 18.167 ug/L
RT: 4.393 min Scan# 411
Delta R.T. 0.006 min
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Tgt Ion: 76 Resp: 653429
Ion Ratio Lower Upper
76 100
78 8.8 7.1 10.7

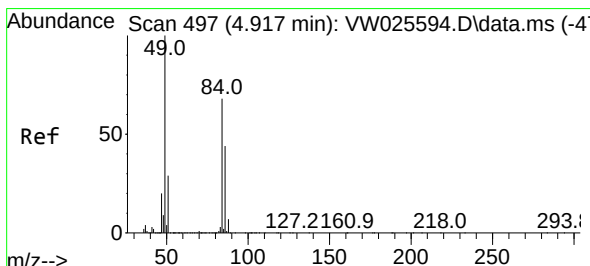
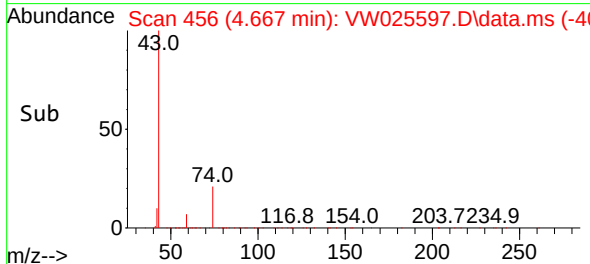
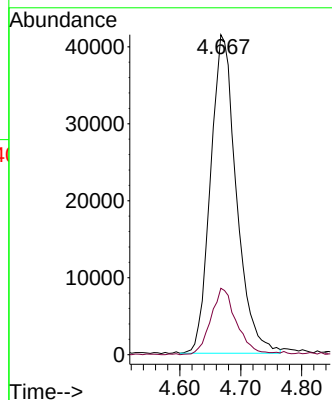
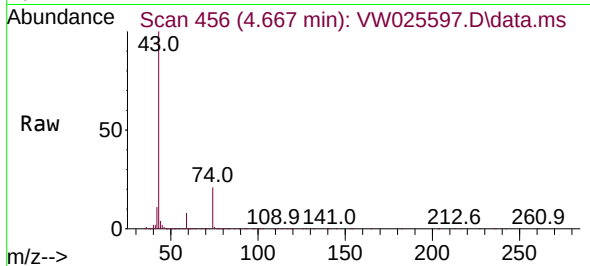




#15
Methyl Acetate
Concen: 24.097 ug/L
RT: 4.667 min Scan# 456
Delta R.T. -0.006 min
Lab File: VW025597.D
Acq: 20 Apr 2023 11:41

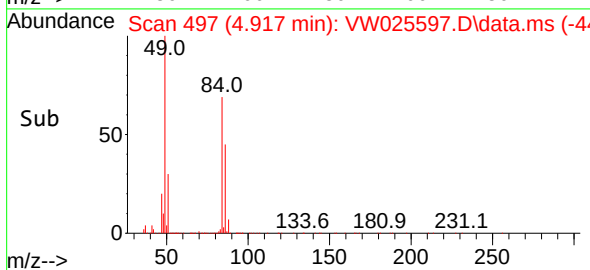
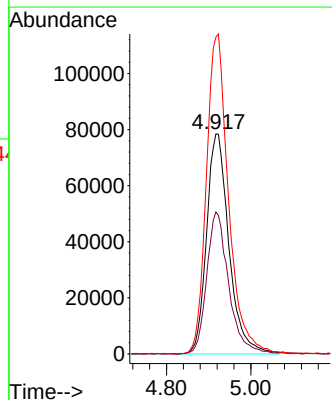
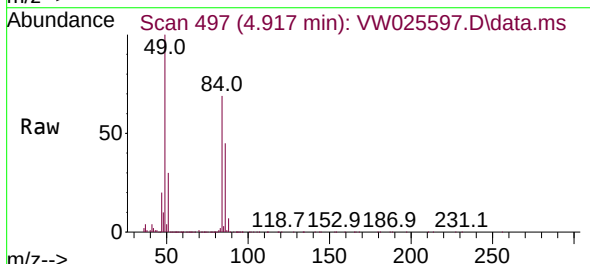
Instrument :
MSVOA_W
ClientSampleId :
EW8Z5REMS

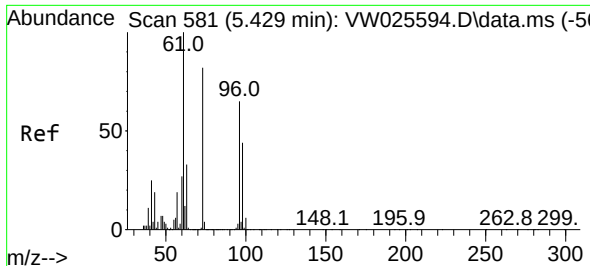
Tgt Ion: 43 Resp: 122184
Ion Ratio Lower Upper
43 100
74 20.1 17.0 25.4



#16
Methylene chloride
Concen: 24.797 ug/L
RT: 4.917 min Scan# 497
Delta R.T. 0.000 min
Lab File: VW025597.D
Acq: 20 Apr 2023 11:41

Tgt Ion: 84 Resp: 289535
Ion Ratio Lower Upper
84 100
86 64.5 44.9 83.3
49 144.0 101.4 188.4

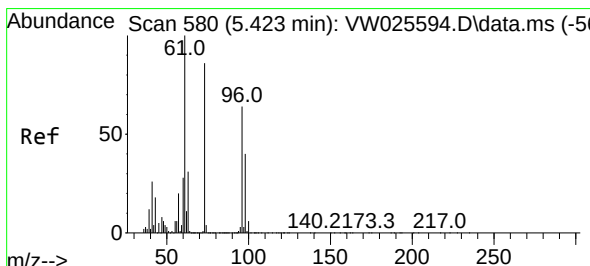
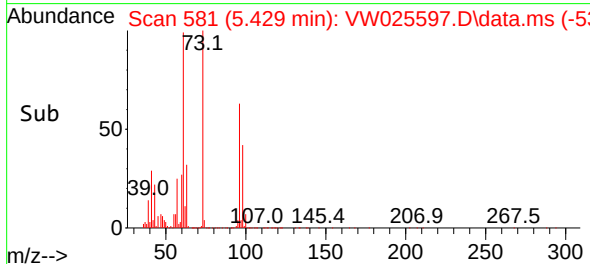
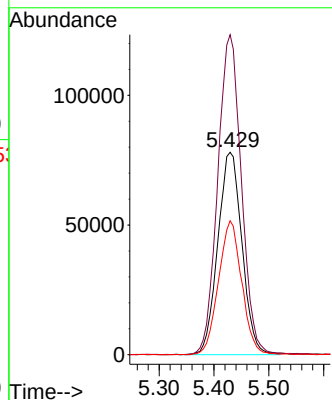
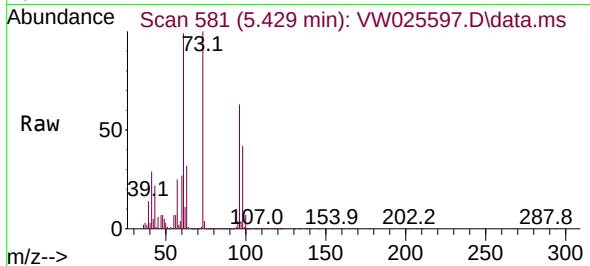




#17
trans-1,2-Dichloroethene
Concen: 22.051 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.000 min
Lab File: VW025597.D
Acq: 20 Apr 2023 11:41

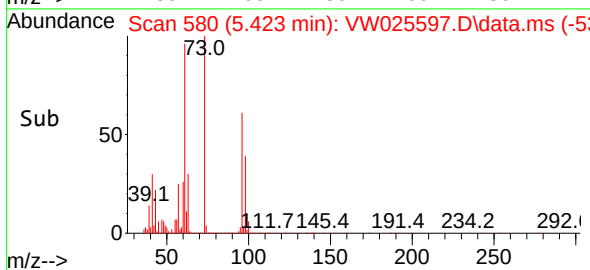
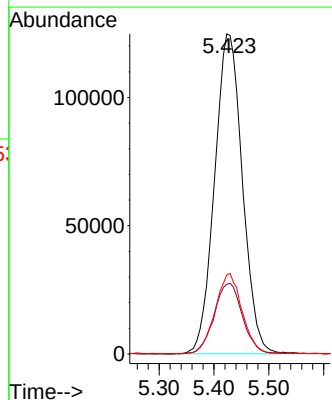
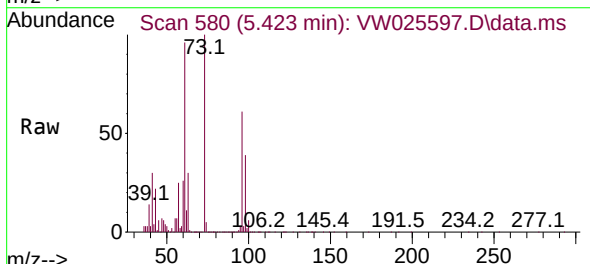
Instrument :
MSVOA_W
ClientSampleId :
EW8Z5REMS

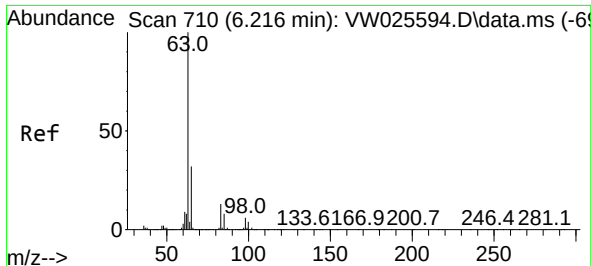
Tgt Ion: 96 Resp: 239012
Ion Ratio Lower Upper
96 100
61 158.0 113.3 210.3
98 66.2 43.6 81.0



#18
Methyl tert-butyl Ether
Concen: 29.335 ug/L
RT: 5.423 min Scan# 580
Delta R.T. 0.000 min
Lab File: VW025597.D
Acq: 20 Apr 2023 11:41

Tgt Ion: 73 Resp: 438805
Ion Ratio Lower Upper
73 100
43 22.4 17.8 26.6
57 24.4 19.0 28.6





#19

1,1-Dichloroethane

Concen: 25.338 ug/L

RT: 6.222 min Scan# 711

Delta R.T. 0.006 min

Lab File: VW025597.D

Acq: 20 Apr 2023 11:41

Instrument :

MSVOA_W

ClientSampleId :

EW8Z5REMS

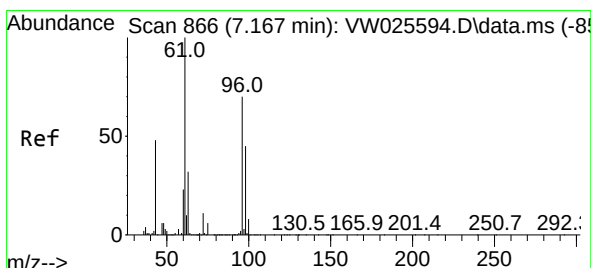
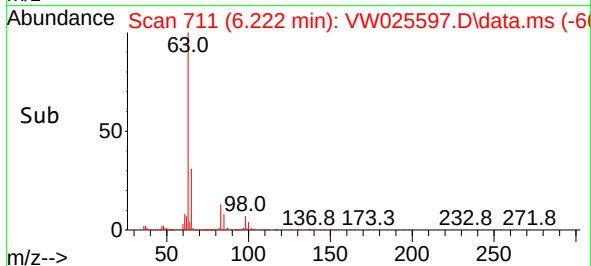
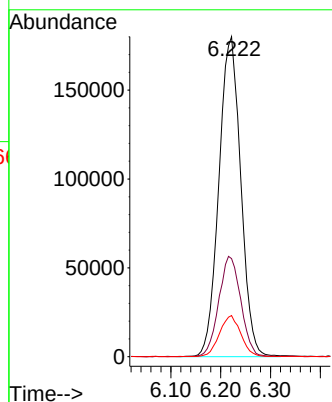
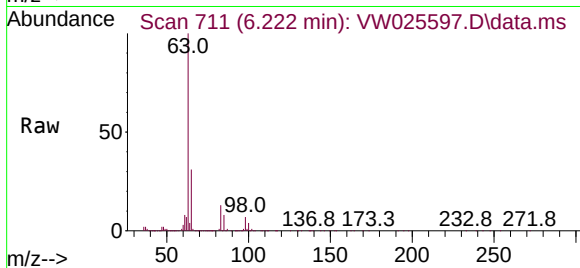
Tgt Ion: 63 Resp: 548699

Ion Ratio Lower Upper

63 100

65 30.7 21.9 40.7

83 12.8 9.0 16.8



#20

cis-1,2-Dichloroethene

Concen: 23.836 ug/L

RT: 7.173 min Scan# 867

Delta R.T. 0.006 min

Lab File: VW025597.D

Acq: 20 Apr 2023 11:41

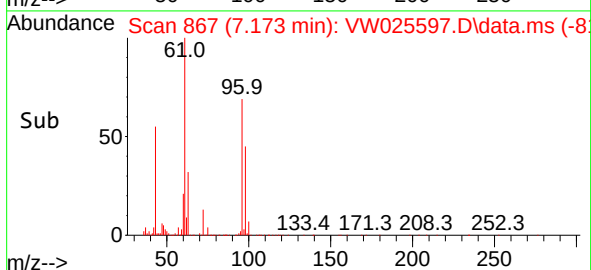
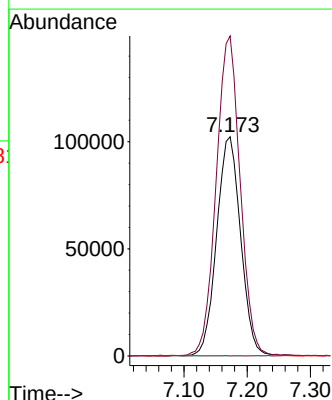
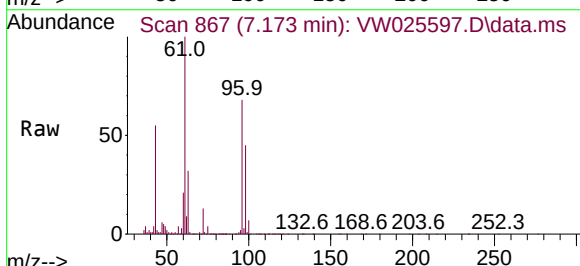
Tgt Ion: 96 Resp: 268811

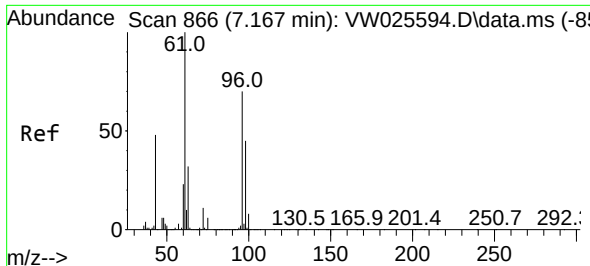
Ion Ratio Lower Upper

96 100

61 146.0 102.6 190.6

68 0.0 0.1 0.1#

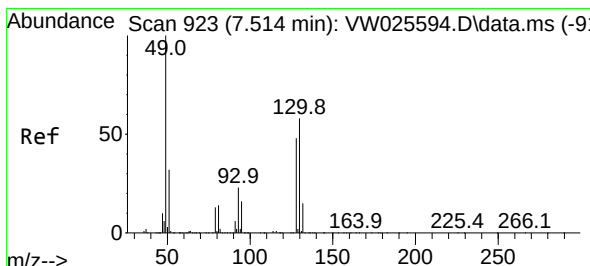
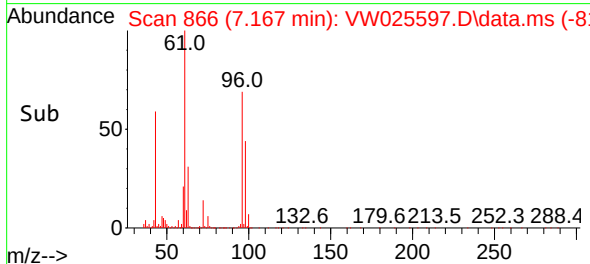
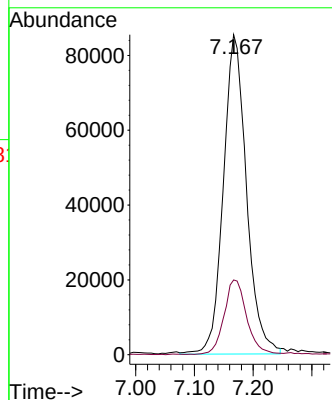
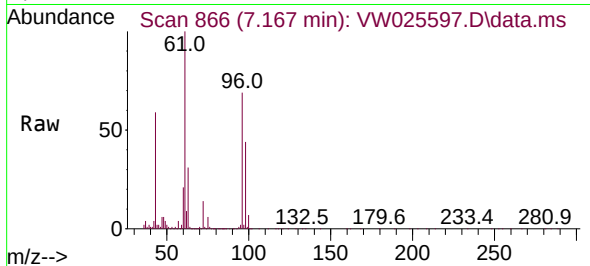




#22
2-Butanone
Concen: 72.922 ug/L
RT: 7.167 min Scan# 866
Delta R.T. 0.000 min
Lab File: VW025597.D
Acq: 20 Apr 2023 11:41

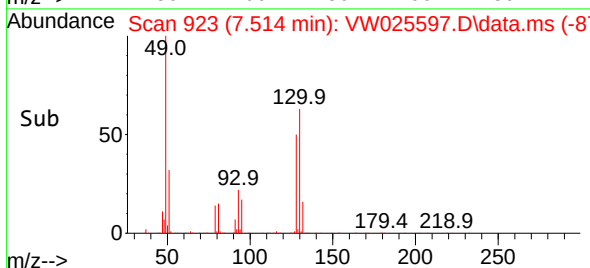
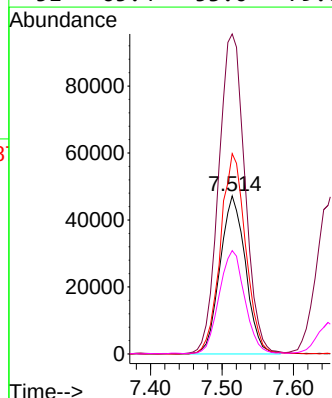
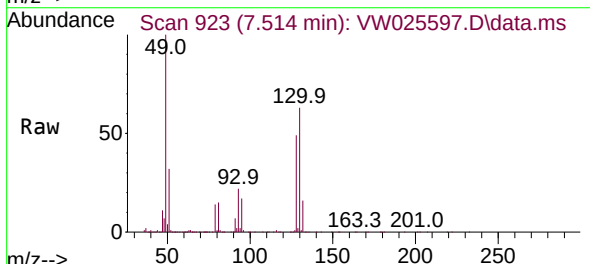
Instrument :
MSVOA_W
ClientSampleId :
EW8Z5REMS

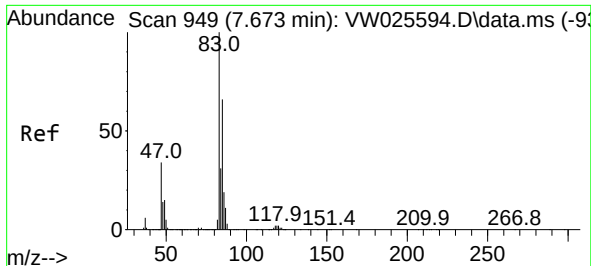
Tgt Ion: 43 Resp: 233966
Ion Ratio Lower Upper
43 100
72 22.7 12.0 36.0



#23
Bromochloromethane
Concen: 25.234 ug/L
RT: 7.514 min Scan# 923
Delta R.T. 0.000 min
Lab File: VW025597.D
Acq: 20 Apr 2023 11:41

Tgt Ion: 128 Resp: 116701
Ion Ratio Lower Upper
128 100
49 202.5 141.7 263.3
130 126.8 86.7 160.9
51 65.4 53.0 79.6

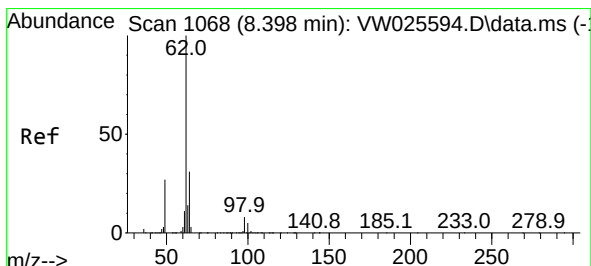
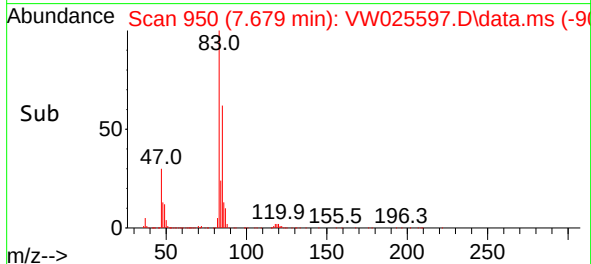
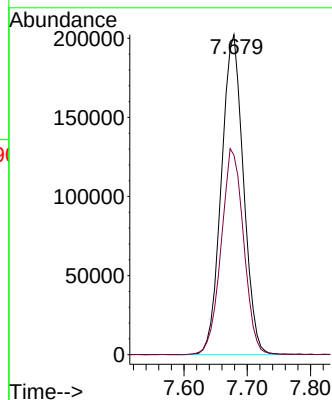
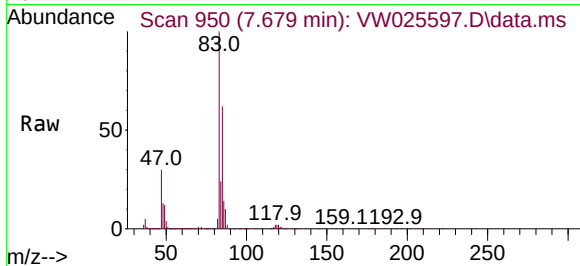




#25
Chloroform
Concen: 24.699 ug/L
RT: 7.679 min Scan# 949
Delta R.T. 0.006 min
Lab File: VW025597.D
Acq: 20 Apr 2023 11:41

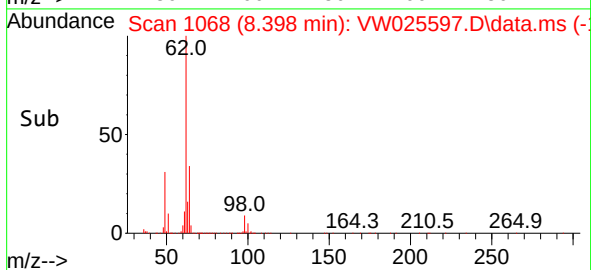
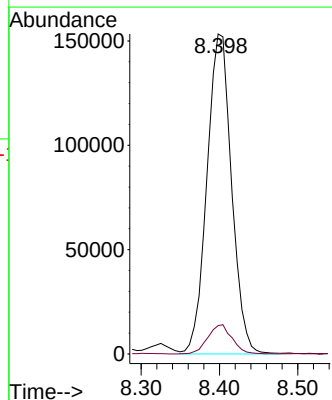
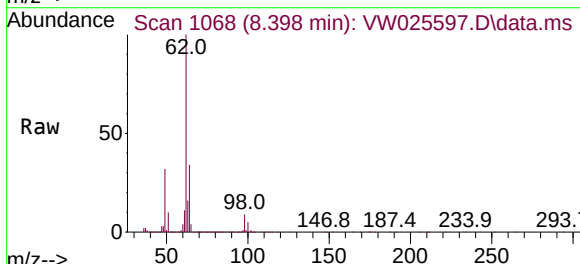
Instrument :
MSVOA_W
ClientSampleId :
EW8Z5REMS

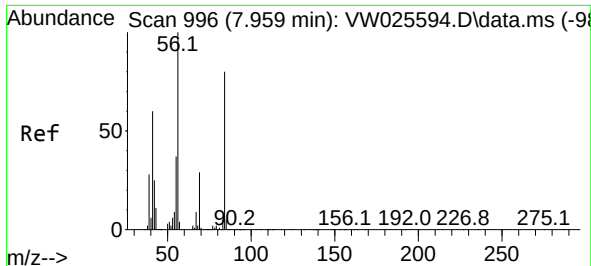
Tgt Ion: 83 Resp: 489131
Ion Ratio Lower Upper
83 100
85 62.3 45.8 85.2



#27
1,2-Dichloroethane
Concen: 25.239 ug/L
RT: 8.398 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VW025597.D
Acq: 20 Apr 2023 11:41

Tgt Ion: 62 Resp: 335397
Ion Ratio Lower Upper
62 100
98 8.8 6.6 10.0

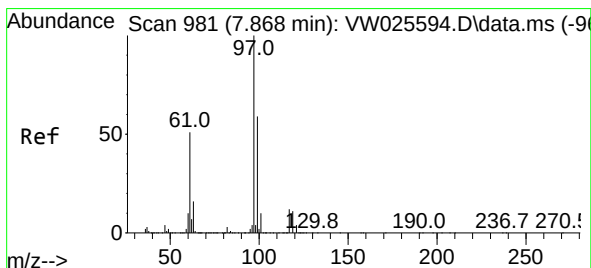
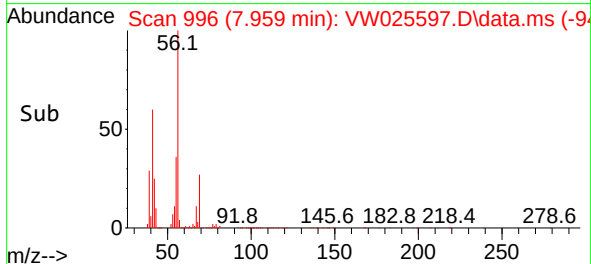
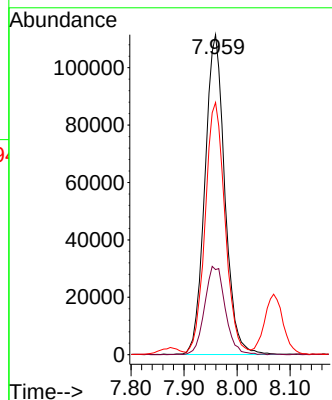
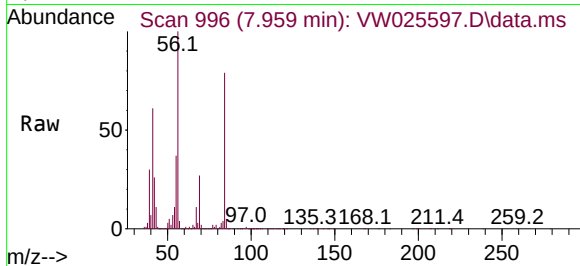




#29
Cyclohexane
Concen: 19.763 ug/L
RT: 7.959 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW025597.D
Acq: 20 Apr 2023 11:41

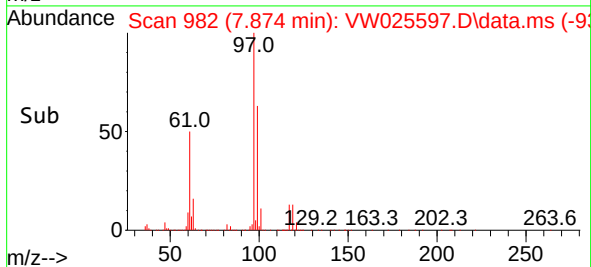
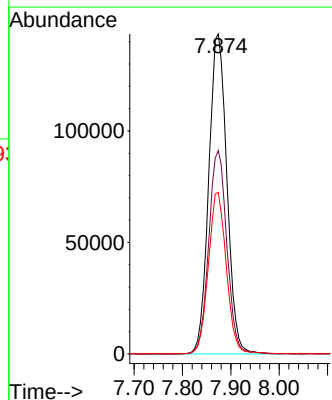
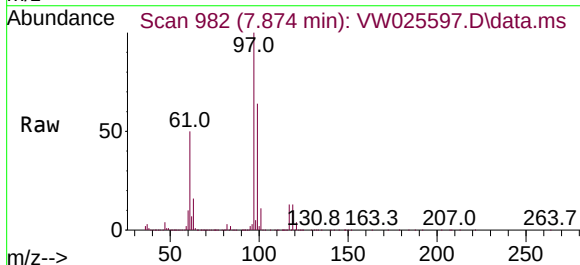
Instrument :
MSVOA_W
ClientSampleId :
EW8Z5REMS

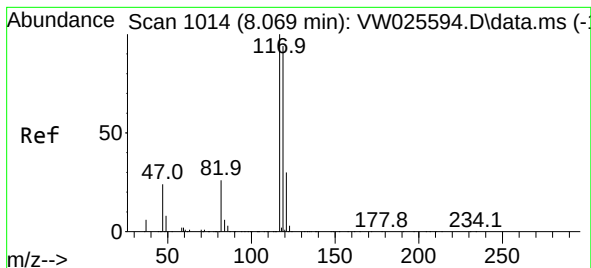
Tgt Ion: 56 Resp: 290652
Ion Ratio Lower Upper
56 100
69 28.6 22.7 34.1
84 78.9 62.5 93.7



#30
1,1,1-Trichloroethane
Concen: 33.102 ug/L
RT: 7.874 min Scan# 982
Delta R.T. 0.006 min
Lab File: VW025597.D
Acq: 20 Apr 2023 11:41

Tgt Ion: 97 Resp: 373719
Ion Ratio Lower Upper
97 100
99 63.8 51.0 76.6
61 49.7 40.5 60.7

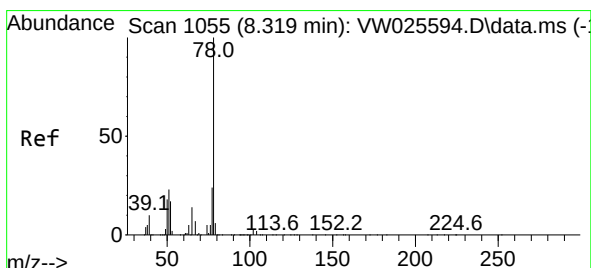
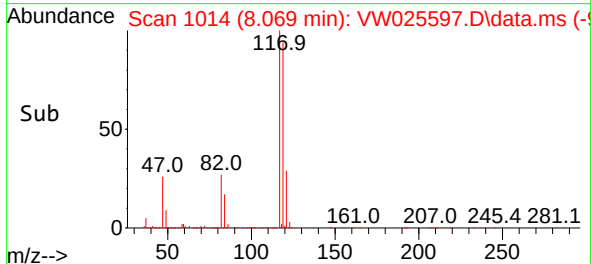
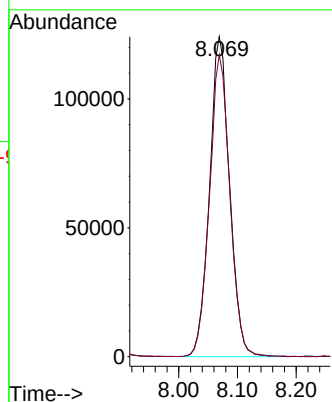
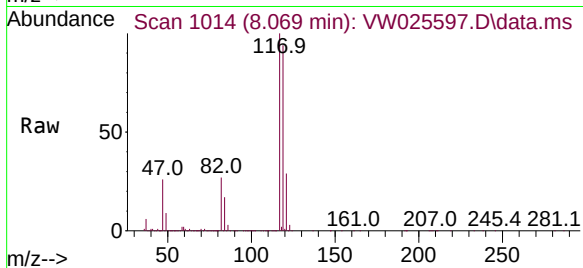




#31
Carbon tetrachloride
Concen: 28.927 ug/L
RT: 8.069 min Scan# 1014
Delta R.T. 0.000 min
Lab File: VW025597.D
Acq: 20 Apr 2023 11:41

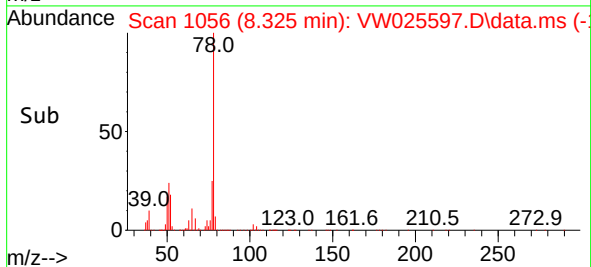
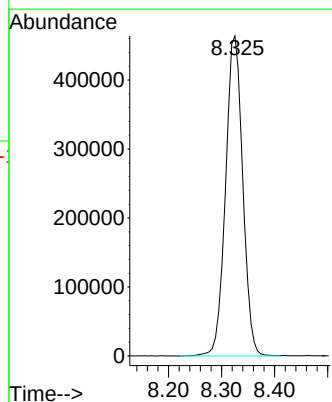
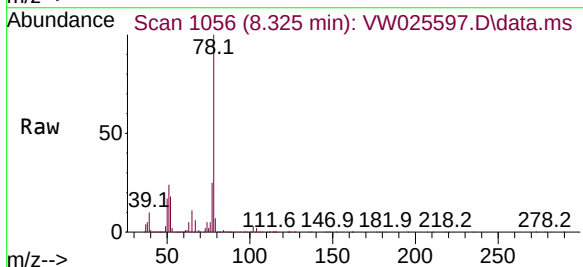
Instrument :
MSVOA_W
ClientSampleId :
EW8Z5REMS

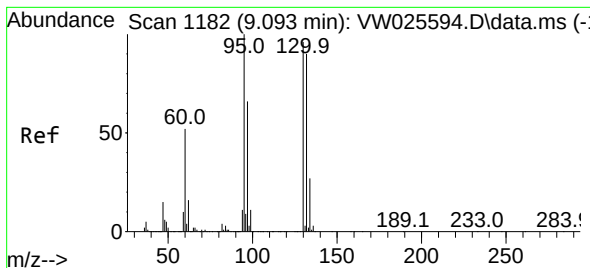
Tgt Ion:117 Resp: 294933
Ion Ratio Lower Upper
117 100
119 95.5 75.7 113.5



#33
Benzene
Concen: 33.013 ug/L
RT: 8.325 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VW025597.D
Acq: 20 Apr 2023 11:41

Tgt Ion: 78 Resp: 1044100





#34

Trichloroethene

Concen: 27.491 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. 0.000 min

Lab File: VW025597.D

Acq: 20 Apr 2023 11:41

Instrument :

MSVOA_W

ClientSampleId :

EW8Z5REMS

Tgt Ion: 95 Resp: 226150

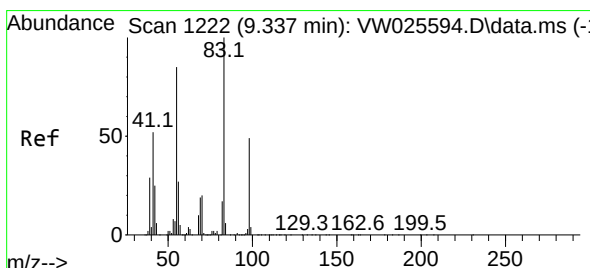
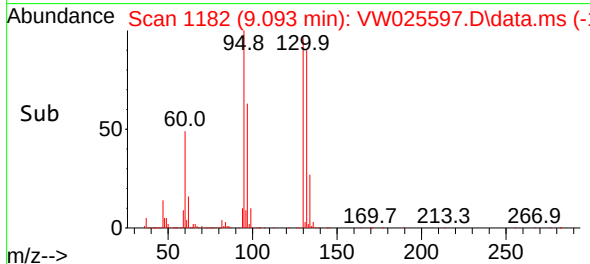
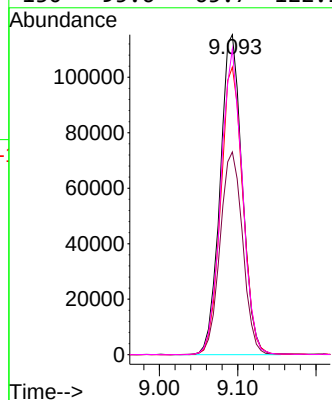
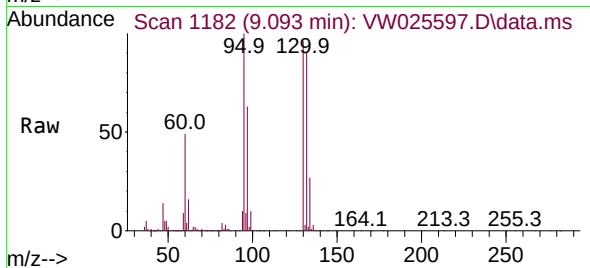
Ion Ratio Lower Upper

95 100

97 63.3 42.5 78.9

132 89.8 59.8 111.1

130 95.6 65.7 122.1



#35

Methylcyclohexane

Concen: 13.542 ug/L

RT: 9.337 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VW025597.D

Acq: 20 Apr 2023 11:41

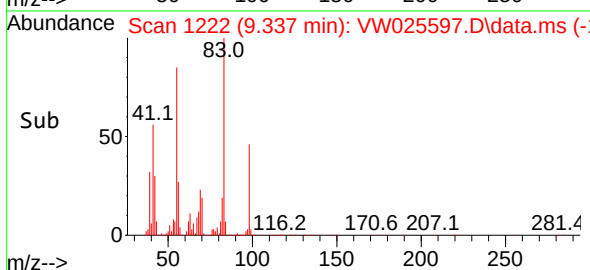
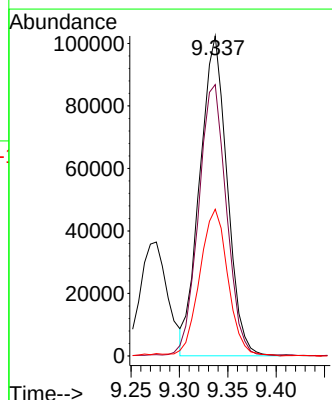
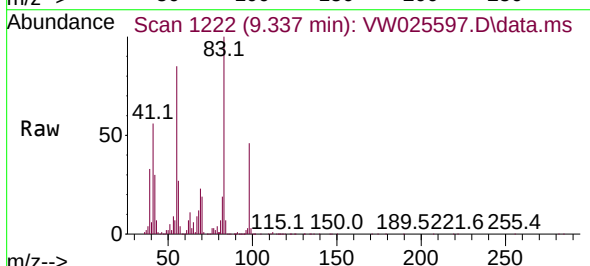
Tgt Ion: 83 Resp: 201165

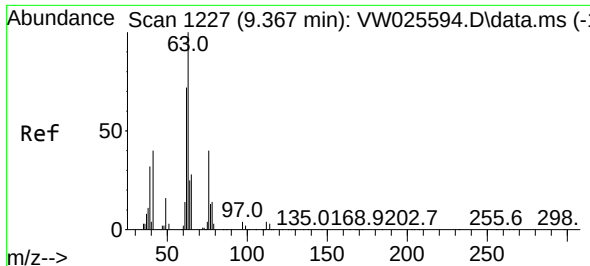
Ion Ratio Lower Upper

83 100

55 86.6 68.7 103.1

98 47.3 37.7 56.5





#37

1,2-Dichloropropane

Concen: 34.795 ug/L

RT: 9.368 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW025597.D

Acq: 20 Apr 2023 11:41

Instrument :

MSVOA_W

ClientSampleId :

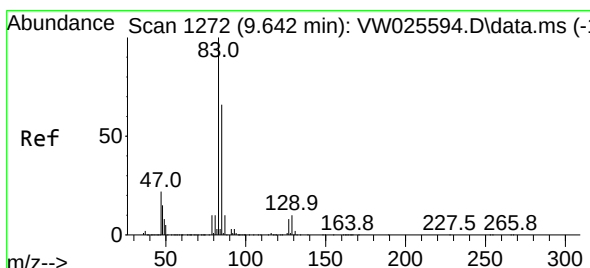
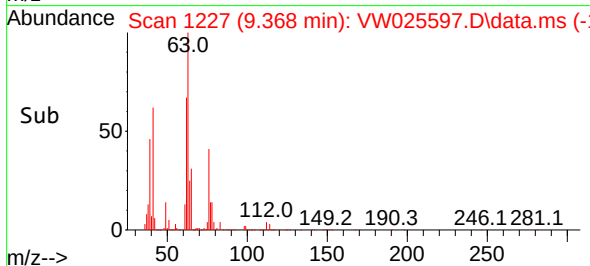
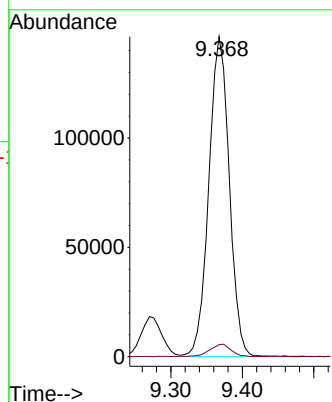
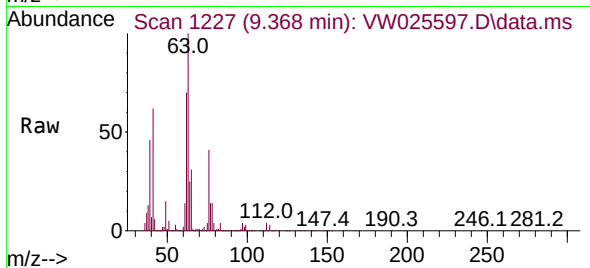
EW8Z5REMS

Tgt Ion: 63 Resp: 290626

Ion Ratio Lower Upper

63 100

112 4.1 3.4 5.0



#38

Bromodichloromethane

Concen: 33.248 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. 0.000 min

Lab File: VW025597.D

Acq: 20 Apr 2023 11:41

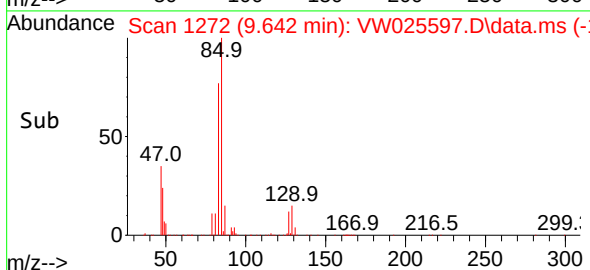
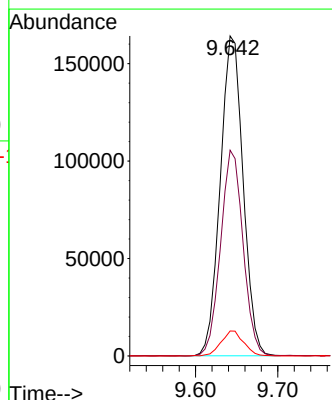
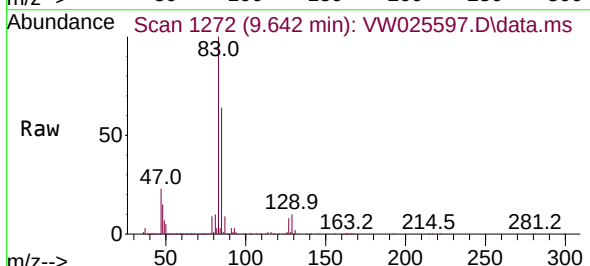
Tgt Ion: 83 Resp: 317739

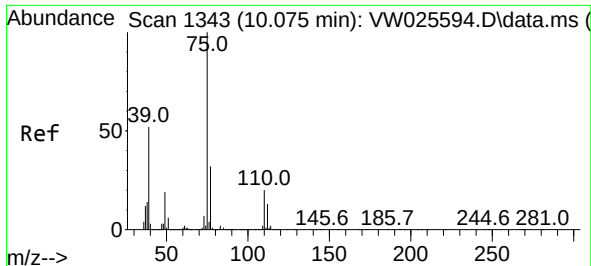
Ion Ratio Lower Upper

83 100

85 64.3 43.5 80.7

127 7.8 5.8 8.8





#39

cis-1,3-Dichloropropene

Concen: 31.364 ug/L

RT: 10.069 min Scan# 11

Delta R.T. -0.006 min

Lab File: VW025597.D

Acq: 20 Apr 2023 11:41

Instrument :

MSVOA_W

ClientSampleId :

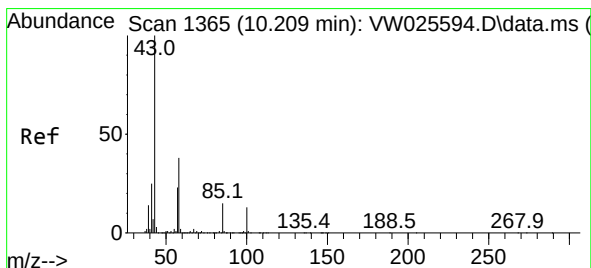
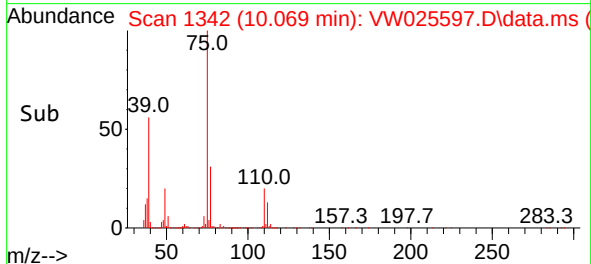
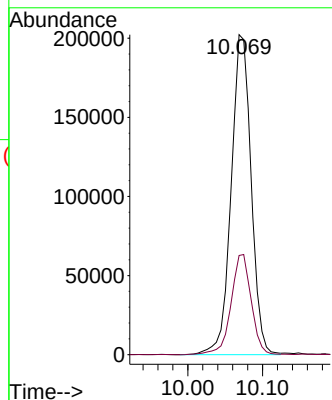
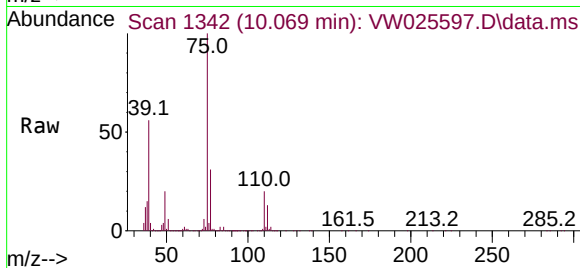
EW8Z5REMS

Tgt Ion: 75 Resp: 375780

Ion Ratio Lower Upper

75 100

77 31.0 22.8 42.4



#40

4-Methyl-2-pentanone

Concen: 86.866 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. 0.000 min

Lab File: VW025597.D

Acq: 20 Apr 2023 11:41

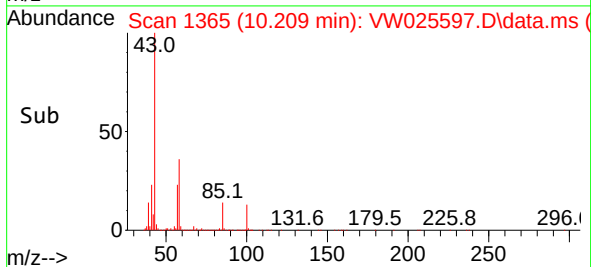
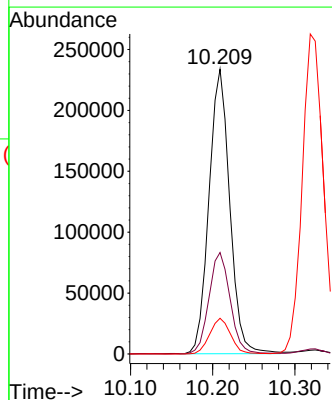
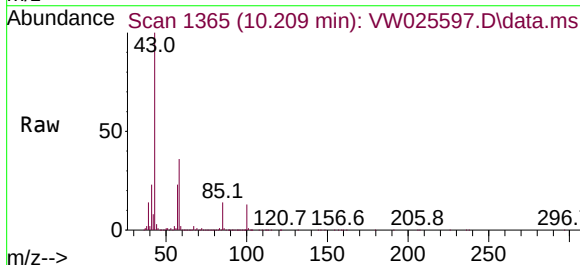
Tgt Ion: 43 Resp: 410684

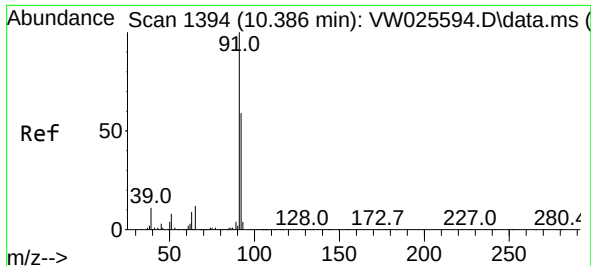
Ion Ratio Lower Upper

43 100

58 36.3 29.2 43.8

100 12.7 10.2 15.4

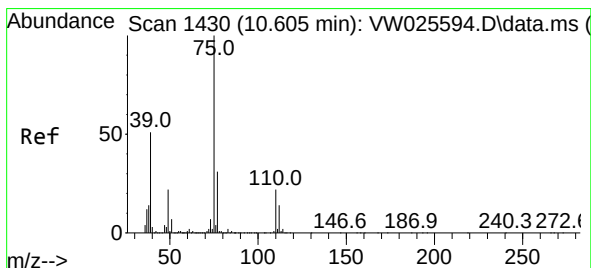
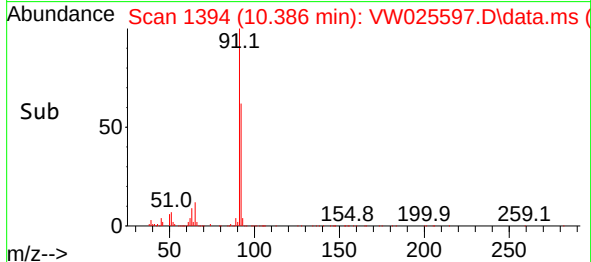
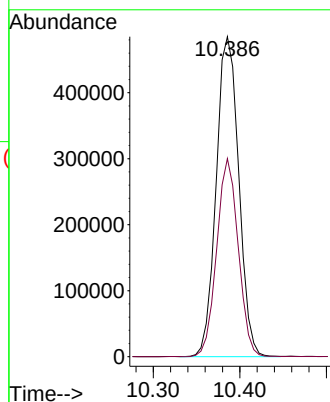
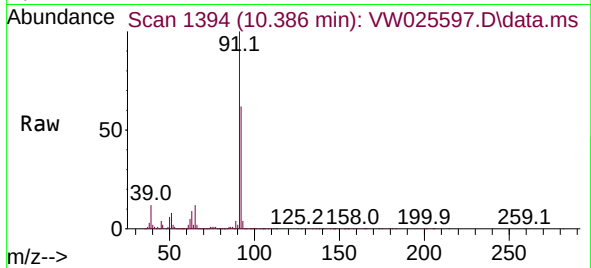




#42
Toluene
Concen: 27.233 ug/L
RT: 10.386 min Scan# 1394
Delta R.T. 0.000 min
Lab File: VW025597.D
Acq: 20 Apr 2023 11:41

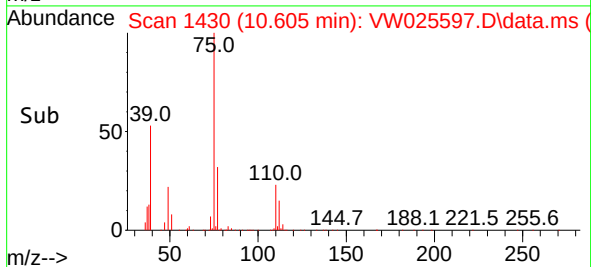
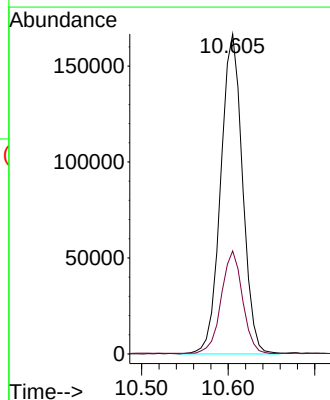
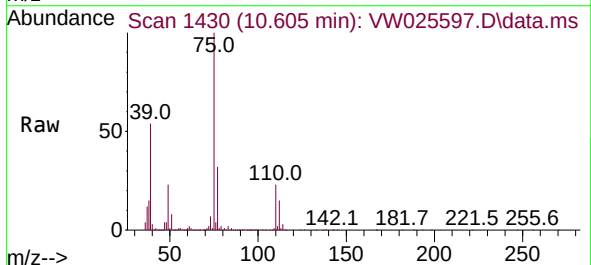
Instrument :
MSVOA_W
ClientSampleId :
EW8Z5REMS

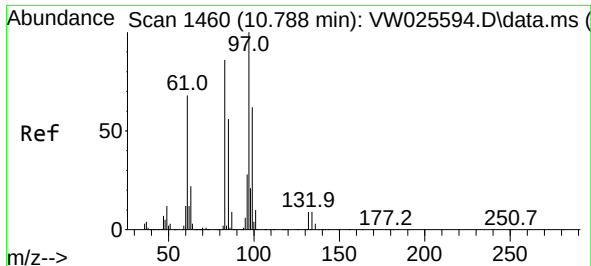
Tgt Ion: 91 Resp: 877048
Ion Ratio Lower Upper
91 100
92 61.9 41.1 76.3



#44
trans-1,3-Dichloropropene
Concen: 29.488 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VW025597.D
Acq: 20 Apr 2023 11:41

Tgt Ion: 75 Resp: 291333
Ion Ratio Lower Upper
75 100
77 32.2 22.5 41.9





#45

1,1,2-Trichloroethane

Concen: 33.185 ug/L

RT: 10.782 min Scan# 1460

Delta R.T. -0.006 min

Lab File: VW025597.D

Acq: 20 Apr 2023 11:41

Instrument :

MSVOA_W

ClientSampleId :

EW8Z5REMS

Tgt Ion: 97 Resp: 176736

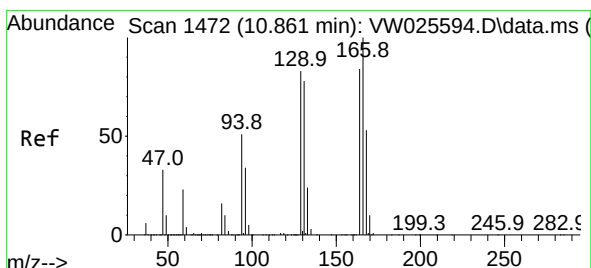
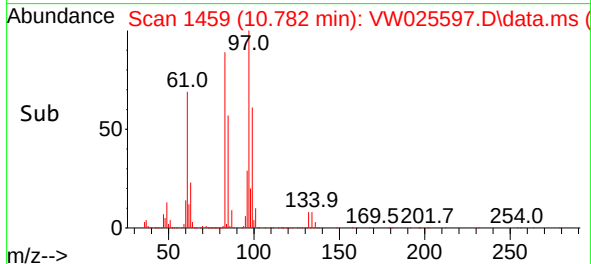
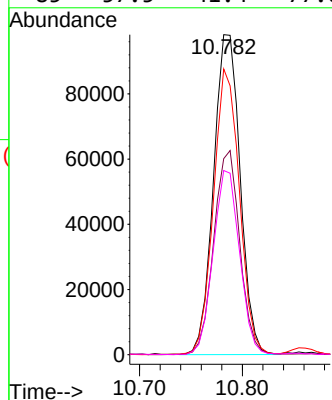
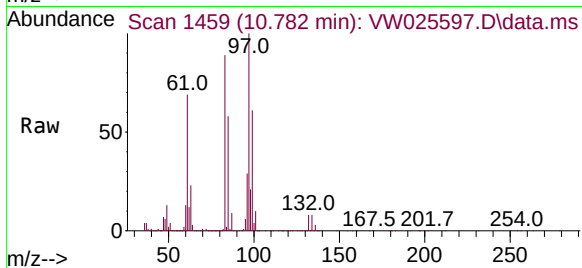
Ion Ratio Lower Upper

97 100

99 61.3 43.8 81.3

83 89.3 61.8 114.8

85 57.5 41.4 77.0



#46

Tetrachloroethene

Concen: 19.466 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. 0.000 min

Lab File: VW025597.D

Acq: 20 Apr 2023 11:41

Tgt Ion:164 Resp: 112628

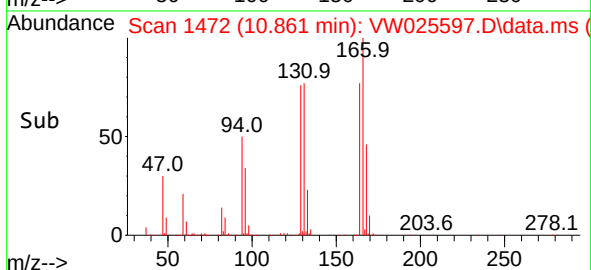
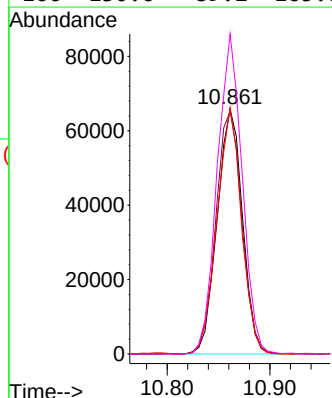
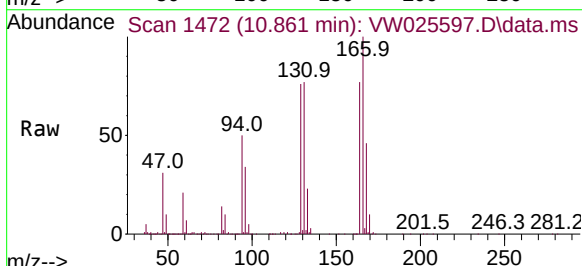
Ion Ratio Lower Upper

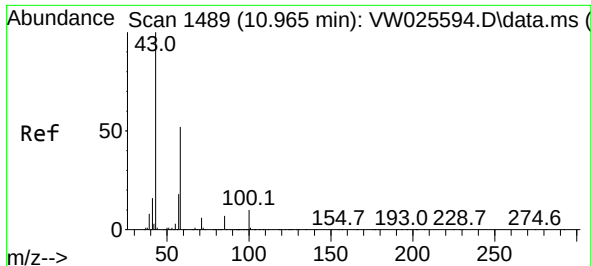
164 100

129 99.0 76.9 142.9

131 100.5 70.5 130.9

166 130.6 89.2 165.8

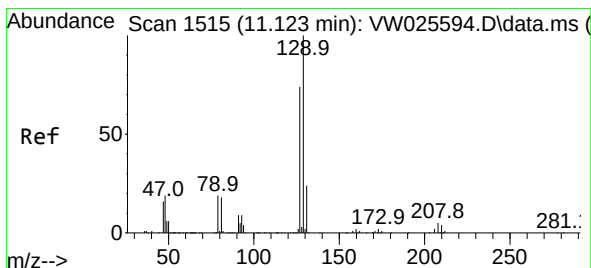
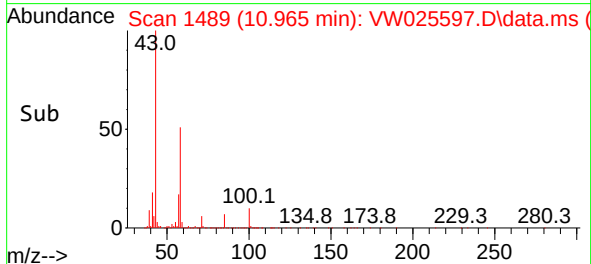
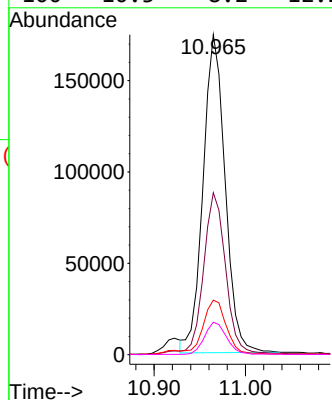
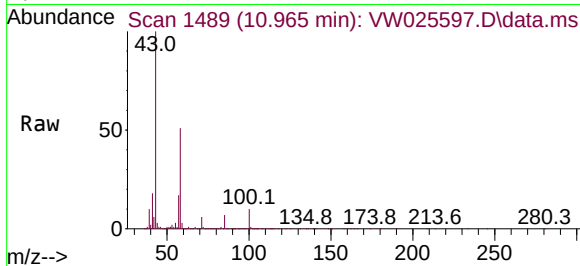




#48
2-Hexanone
Concen: 89.312 ug/L
RT: 10.965 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VW025597.D
Acq: 20 Apr 2023 11:41

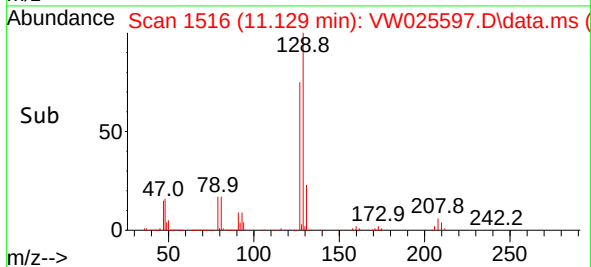
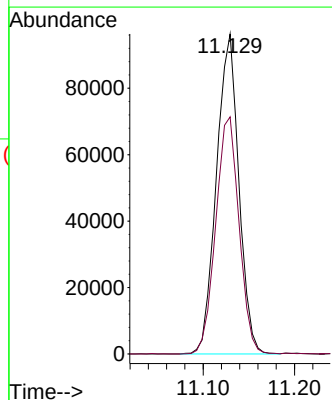
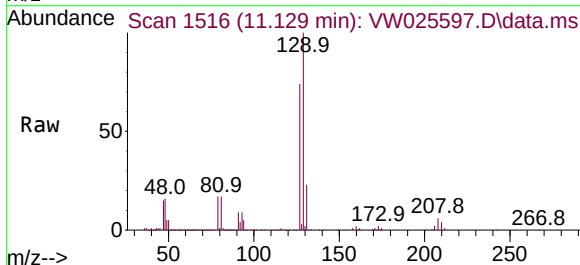
Instrument :
MSVOA_W
ClientSampleId :
EW8Z5REMS

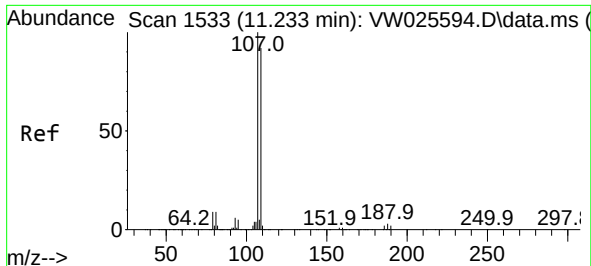
Tgt Ion:	43	Resp:	291745
Ion	Ratio	Lower	Upper
43	100		
58	50.5	38.6	57.8
57	17.8	13.9	20.9
100	10.3	8.2	12.2



#49
Dibromochloromethane
Concen: 29.269 ug/L
RT: 11.129 min Scan# 1516
Delta R.T. 0.006 min
Lab File: VW025597.D
Acq: 20 Apr 2023 11:41

Tgt Ion:	129	Resp:	164125
Ion	Ratio	Lower	Upper
129	100		
127	74.1	54.0	100.2





#50

1,2-Dibromoethane

Concen: 29.822 ug/L

RT: 11.233 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW025597.D

Acq: 20 Apr 2023 11:41

Instrument :

MSVOA_W

ClientSampleId :

EW8Z5REMS

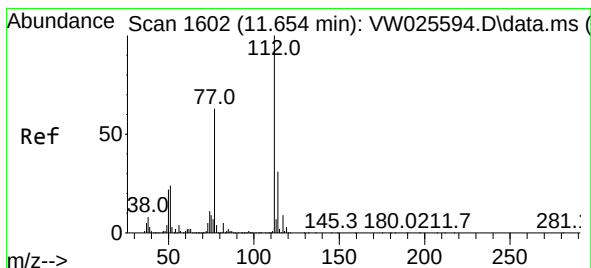
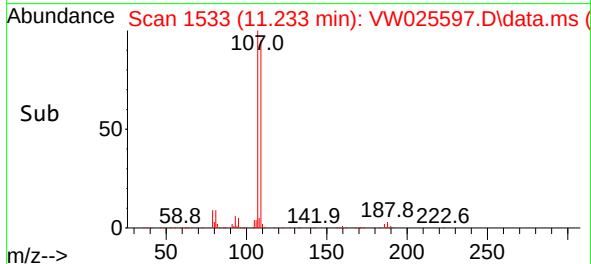
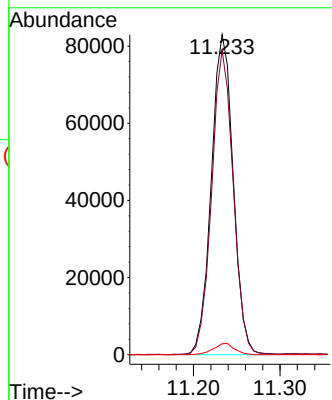
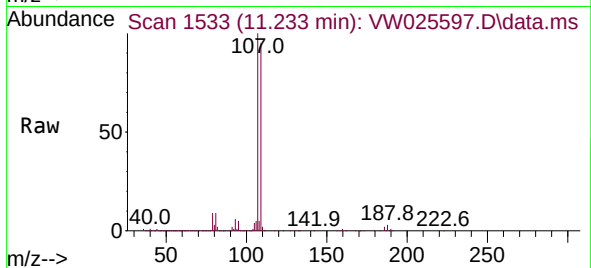
Tgt Ion:107 Resp: 145931

Ion Ratio Lower Upper

107 100

109 95.1 64.1 119.1

188 3.4 2.8 4.2



#51

Chlorobenzene

Concen: 21.934 ug/L

RT: 11.654 min Scan# 1602

Delta R.T. 0.000 min

Lab File: VW025597.D

Acq: 20 Apr 2023 11:41

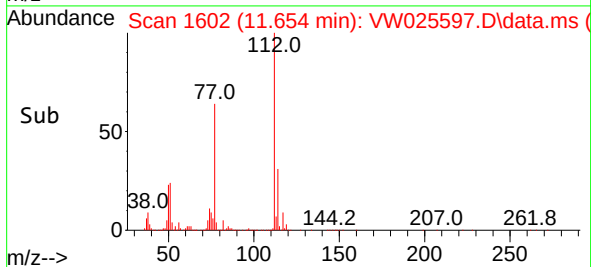
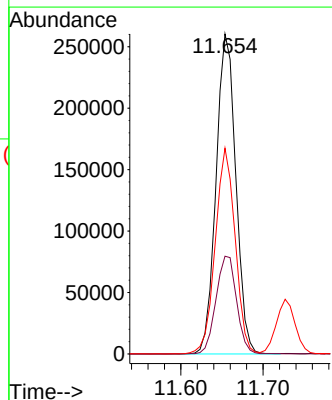
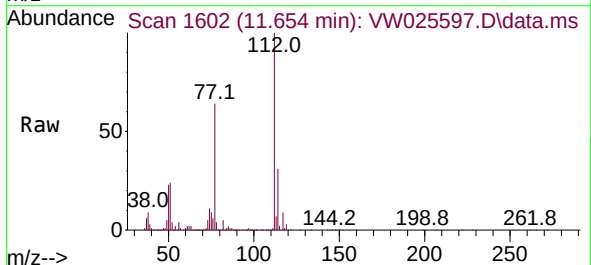
Tgt Ion:112 Resp: 435284

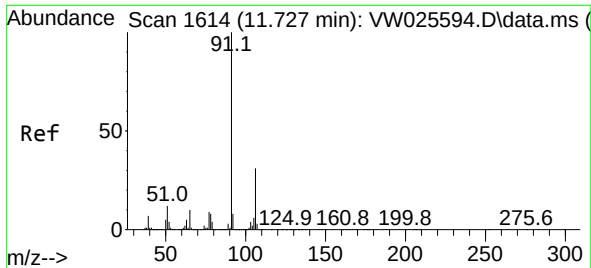
Ion Ratio Lower Upper

112 100

114 30.6 21.6 40.2

77 64.3 50.2 75.2

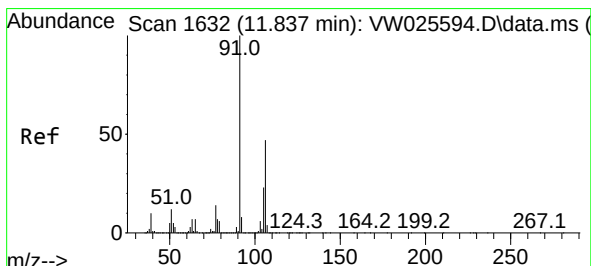
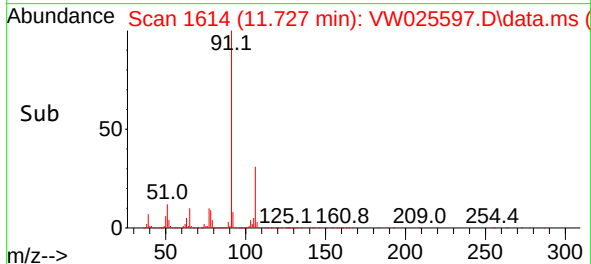
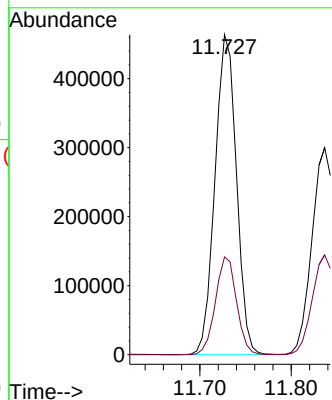
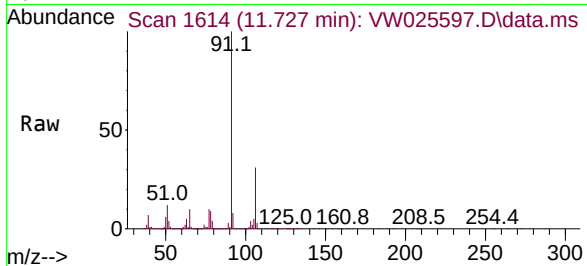




#52
Ethylbenzene
Concen: 20.730 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW025597.D
Acq: 20 Apr 2023 11:41

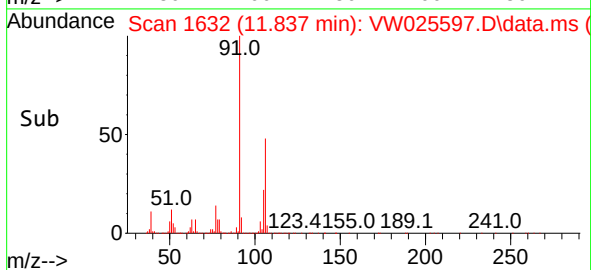
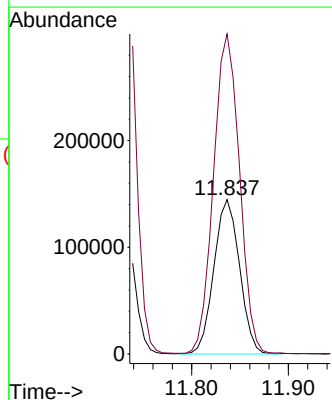
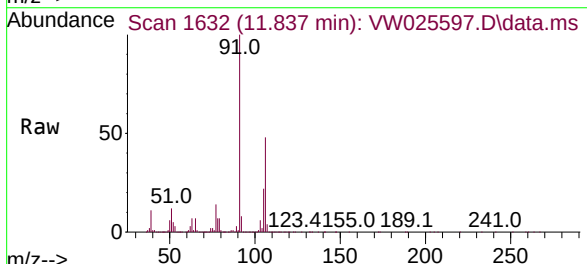
Instrument :
MSVOA_W
ClientSampleId :
EW8Z5REMS

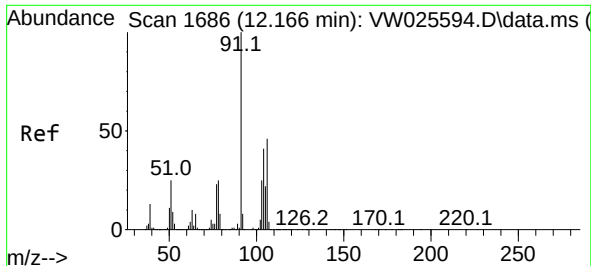
Tgt Ion: 91 Resp: 755494
Ion Ratio Lower Upper
91 100
106 30.5 20.3 37.7



#53
m,p-Xylene
Concen: 19.944 ug/L
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW025597.D
Acq: 20 Apr 2023 11:41

Tgt Ion: 106 Resp: 266542
Ion Ratio Lower Upper
106 100
91 207.3 148.0 274.8

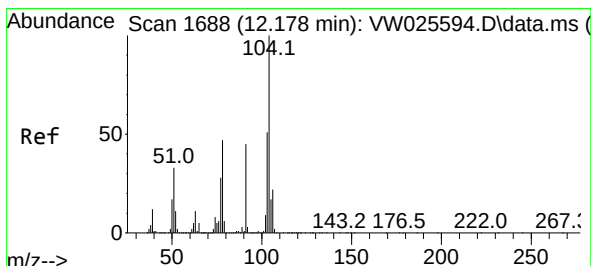
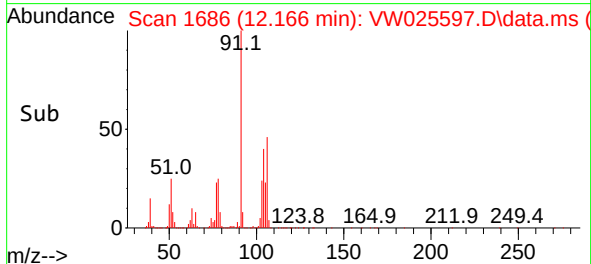
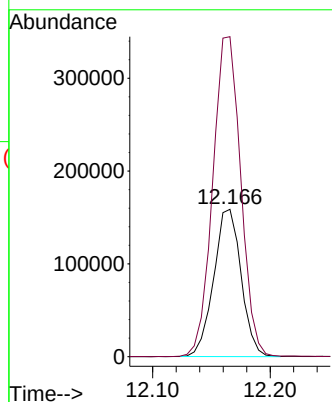
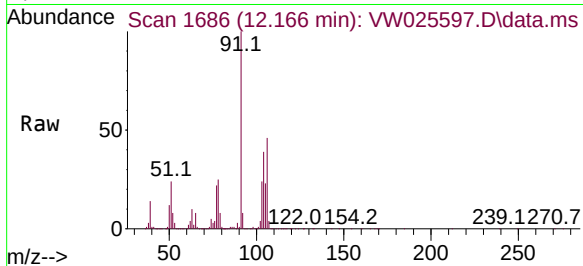




#54
o-Xylene
Concen: 20.588 ug/L
RT: 12.166 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VW025597.D
Acq: 20 Apr 2023 11:41

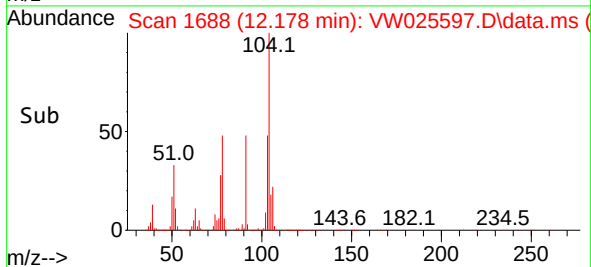
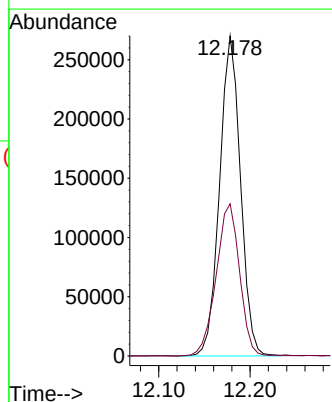
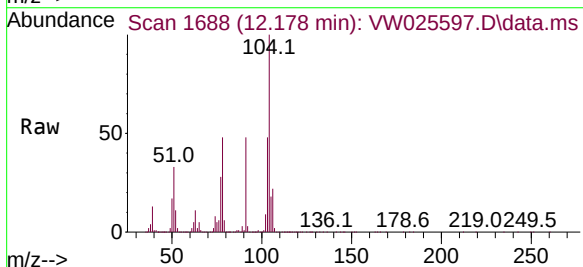
Instrument :
MSVOA_W
ClientSampleId :
EW8Z5REMS

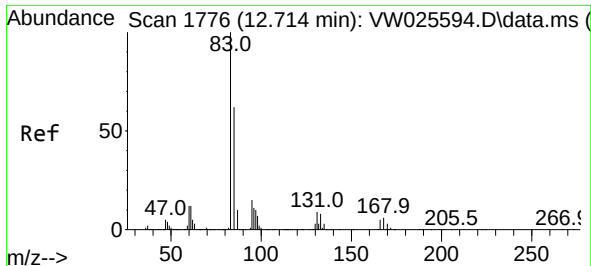
Tgt Ion:106 Resp: 257409
Ion Ratio Lower Upper
106 100
91 217.1 158.2 293.8



#55
Styrene
Concen: 20.402 ug/L
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW025597.D
Acq: 20 Apr 2023 11:41

Tgt Ion:104 Resp: 429338
Ion Ratio Lower Upper
104 100
78 47.6 33.3 61.9





#57

1,1,2,2-Tetrachloroethane

Concen: 25.680 ug/L

RT: 12.714 min Scan# 1776

Delta R.T. 0.000 min

Lab File: VW025597.D

Acq: 20 Apr 2023 11:41

Instrument :

MSVOA_W

ClientSampleId :

EW8Z5REMS

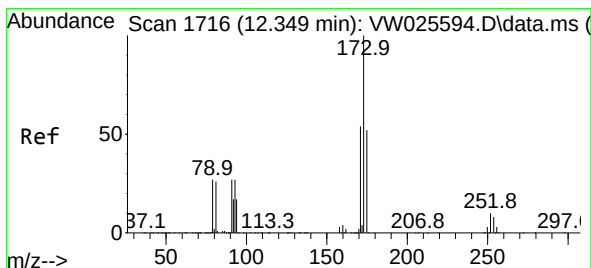
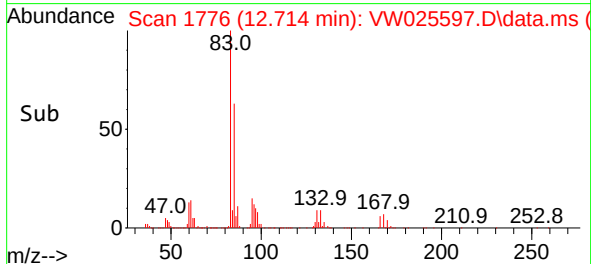
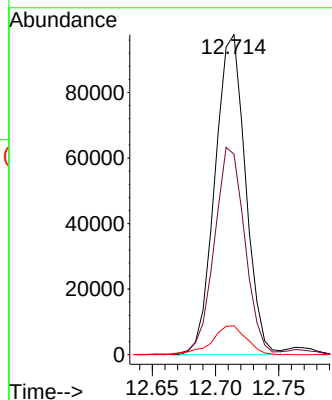
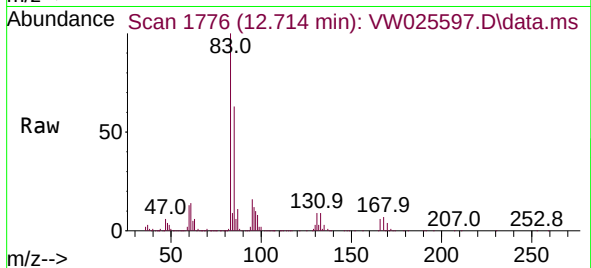
Tgt Ion: 83 Resp: 163822

Ion Ratio Lower Upper

83 100

85 62.6 43.5 80.7

131 9.0 7.0 10.4



#59

Bromoform

Concen: 51.338 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. 0.000 min

Lab File: VW025597.D

Acq: 20 Apr 2023 11:41

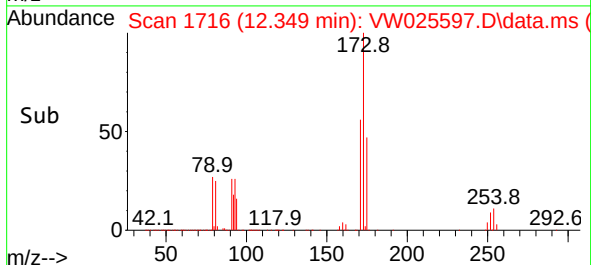
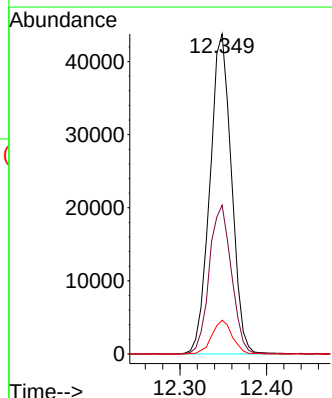
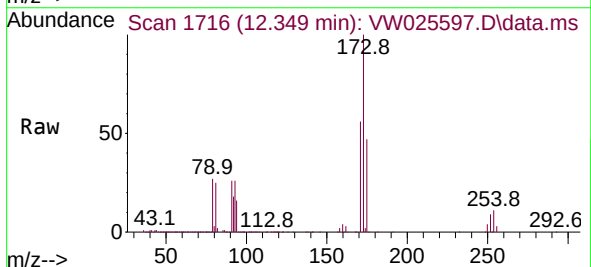
Tgt Ion:173 Resp: 75735

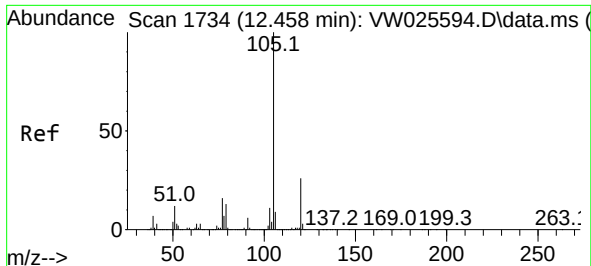
Ion Ratio Lower Upper

173 100

175 47.7 36.1 54.1

254 10.0 7.0 10.6

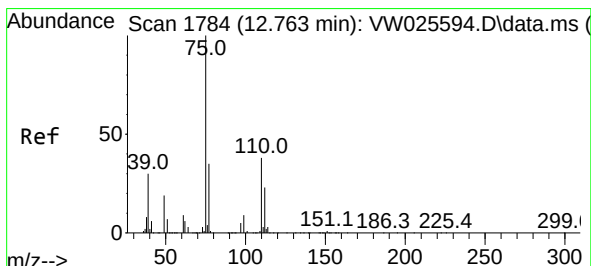
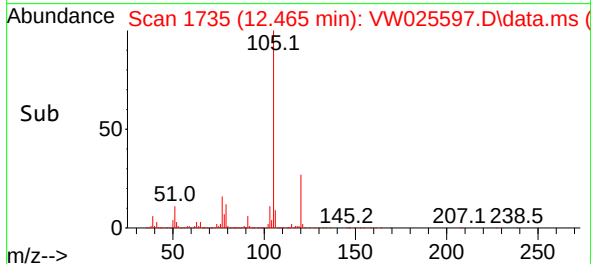
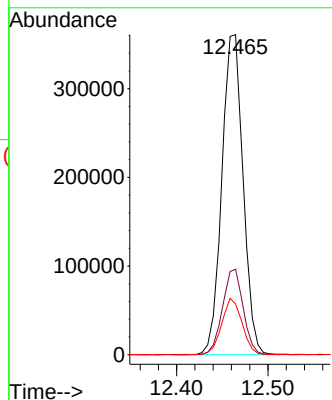
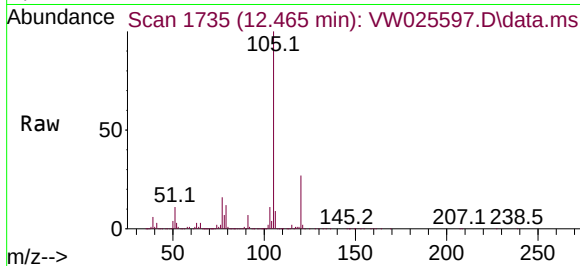




#60
Isopropylbenzene
Concen: 34.571 ug/L
RT: 12.465 min Scan# 1735
Delta R.T. 0.006 min
Lab File: VW025597.D
Acq: 20 Apr 2023 11:41

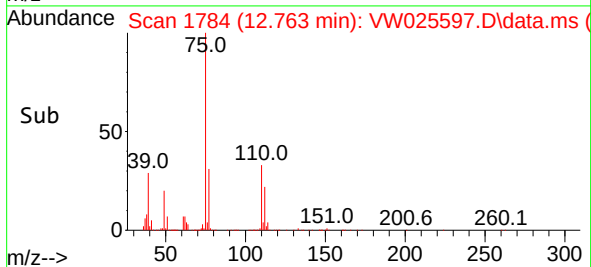
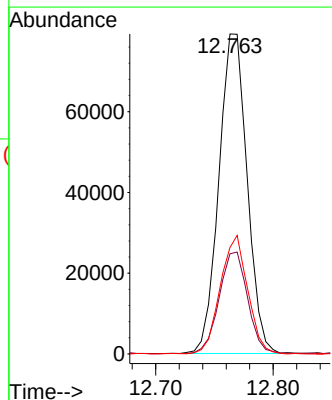
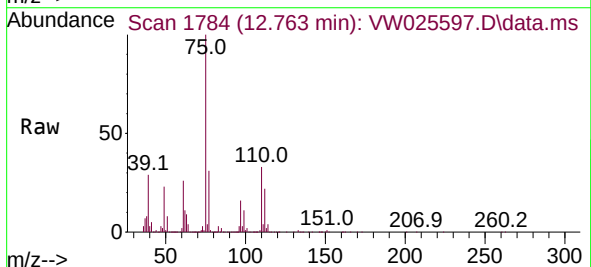
Instrument :
MSVOA_W
ClientSampleId :
EW8Z5REMS

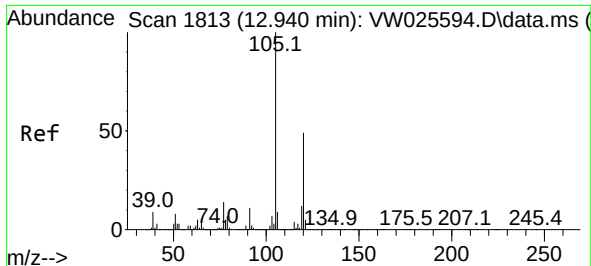
Tgt Ion:105 Resp: 583007
Ion Ratio Lower Upper
105 100
120 26.1 20.1 30.1
77 16.9 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 59.169 ug/L
RT: 12.763 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VW025597.D
Acq: 20 Apr 2023 11:41

Tgt Ion: 75 Resp: 132022
Ion Ratio Lower Upper
75 100
77 32.2 25.4 38.2
110 36.0 29.0 43.6





#62

1,3,5-Trimethylbenzene

Concen: 28.760 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. 0.000 min

Lab File: VW025597.D

Acq: 20 Apr 2023 11:41

Instrument :

MSVOA_W

ClientSampleId :

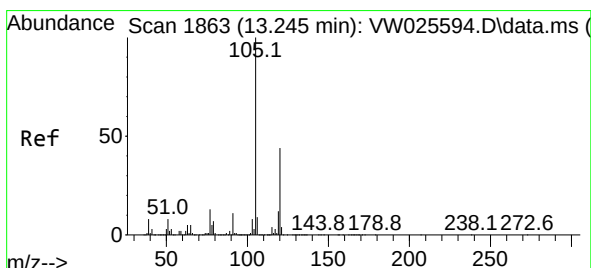
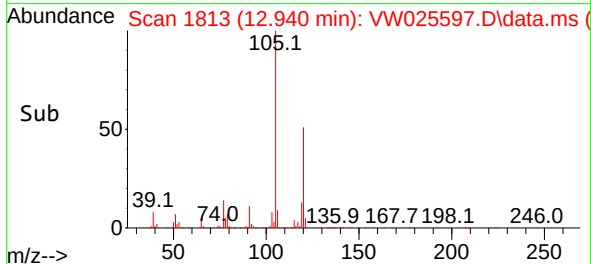
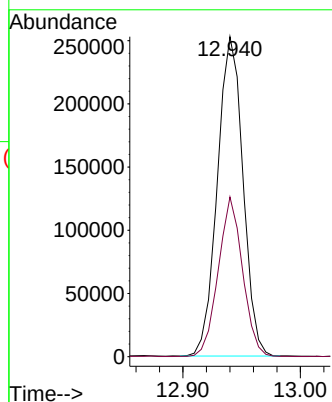
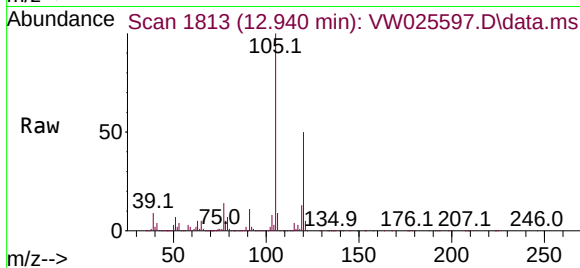
EW8Z5REMS

Tgt Ion:105 Resp: 382867

Ion Ratio Lower Upper

105 100

120 47.7 38.4 57.6



#63

1,2,4-Trimethylbenzene

Concen: 28.518 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. 0.000 min

Lab File: VW025597.D

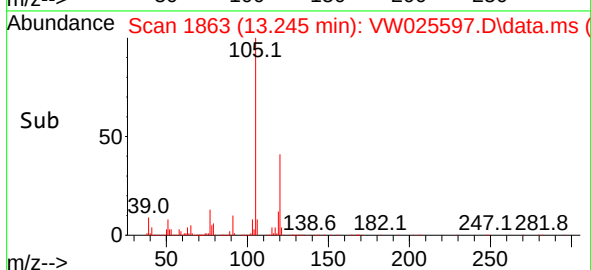
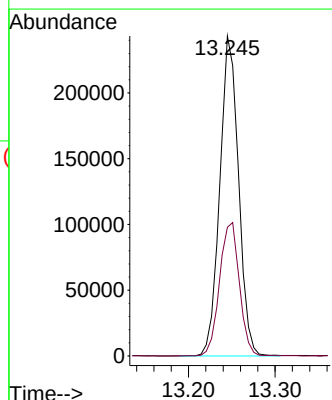
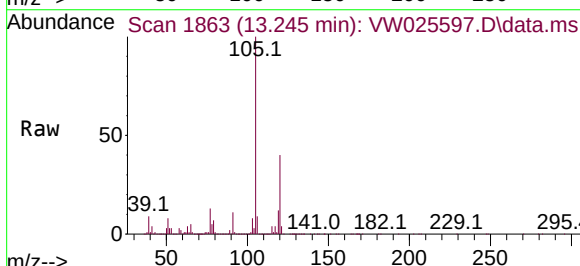
Acq: 20 Apr 2023 11:41

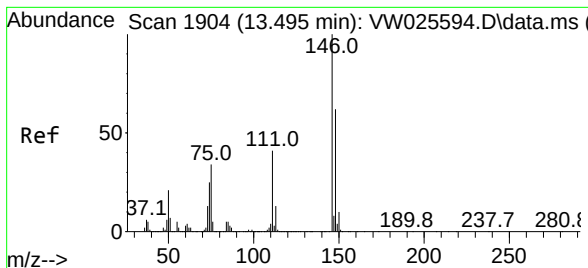
Tgt Ion:105 Resp: 365568

Ion Ratio Lower Upper

105 100

120 44.0 34.8 52.2





#64

1,3-Dichlorobenzene

Concen: 22.569 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW025597.D

Acq: 20 Apr 2023 11:41

Instrument :

MSVOA_W

ClientSampleId :

EW8Z5REMS

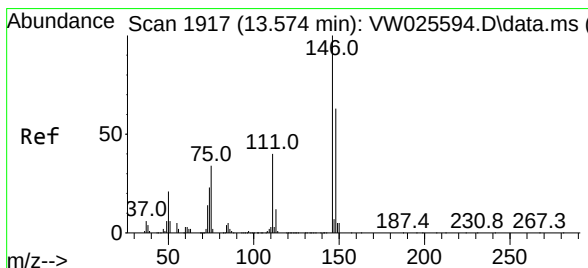
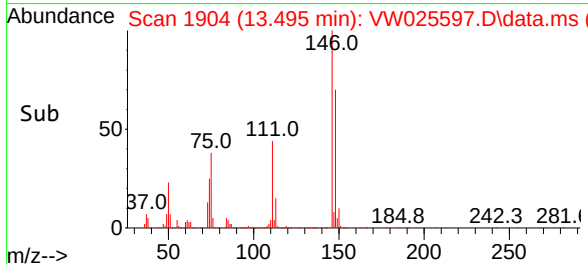
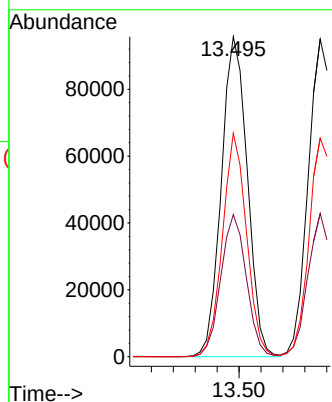
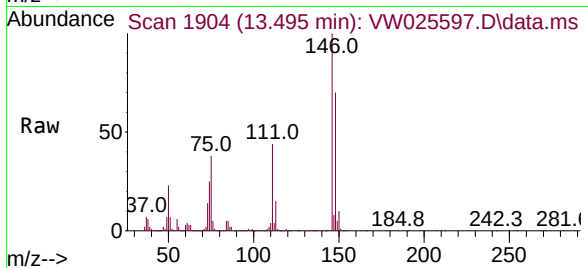
Tgt Ion:146 Resp: 157724

Ion Ratio Lower Upper

146 100

111 44.4 29.7 55.1

148 69.8 43.4 80.6



#65

1,4-Dichlorobenzene

Concen: 22.121 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. 0.000 min

Lab File: VW025597.D

Acq: 20 Apr 2023 11:41

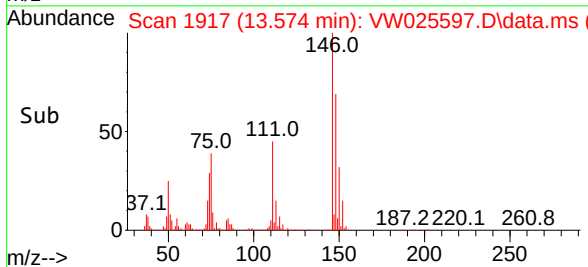
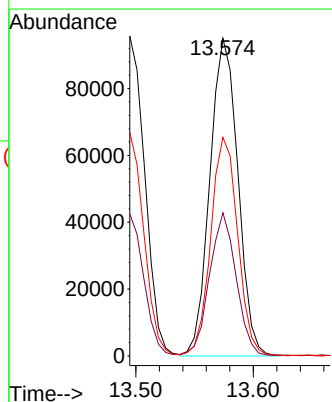
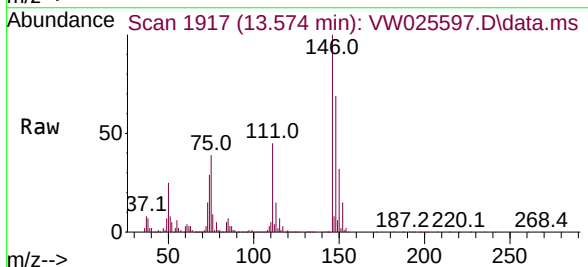
Tgt Ion:146 Resp: 157882

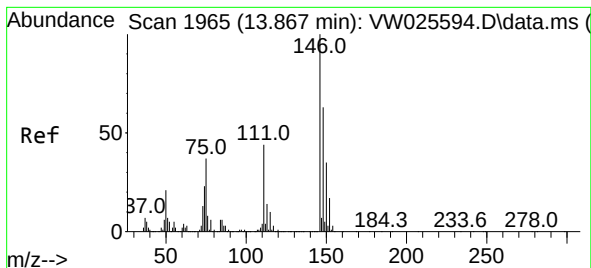
Ion Ratio Lower Upper

146 100

111 45.1 30.4 56.5

148 68.8 48.6 90.3





#67

1,2-Dichlorobenzene

Concen: 22.606 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VW025597.D

Acq: 20 Apr 2023 11:41

Instrument :

MSVOA_W

ClientSampleId :

EW8Z5REMS

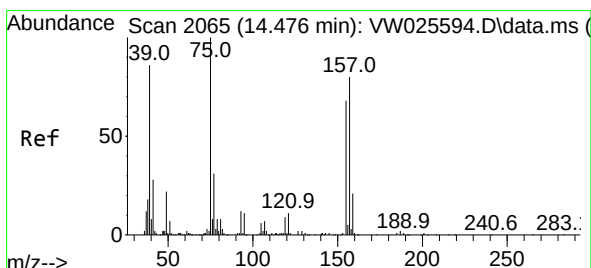
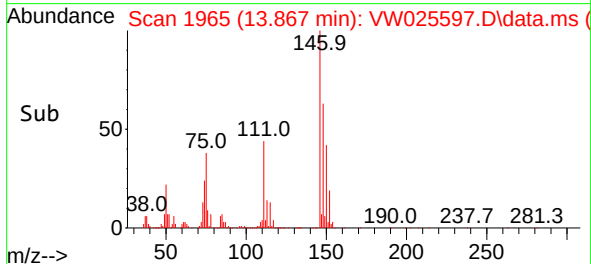
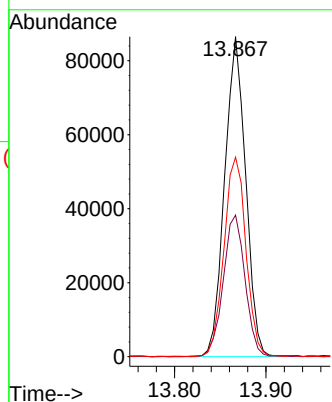
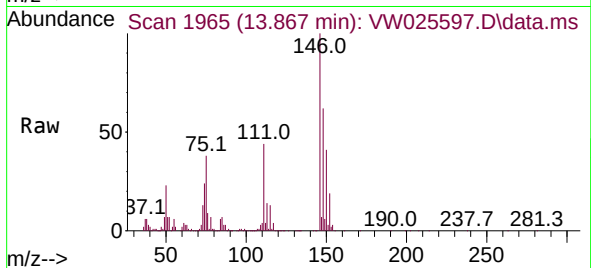
Tgt Ion:146 Resp: 138502

Ion Ratio Lower Upper

146 100

111 44.3 35.3 52.9

148 62.4 47.9 71.9



#68

1,2-Dibromo-3-chloropropane

Concen: 42.994 ug/L

RT: 14.482 min Scan# 2066

Delta R.T. 0.006 min

Lab File: VW025597.D

Acq: 20 Apr 2023 11:41

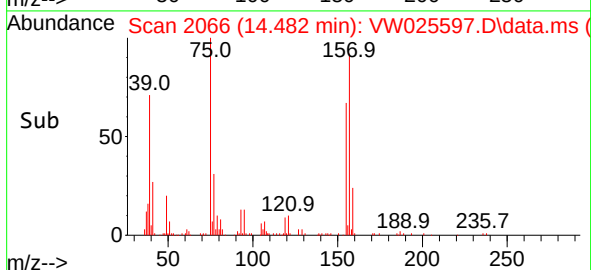
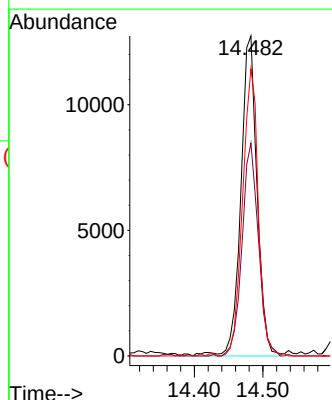
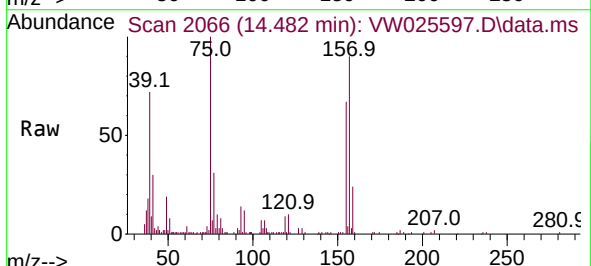
Tgt Ion: 75 Resp: 21044

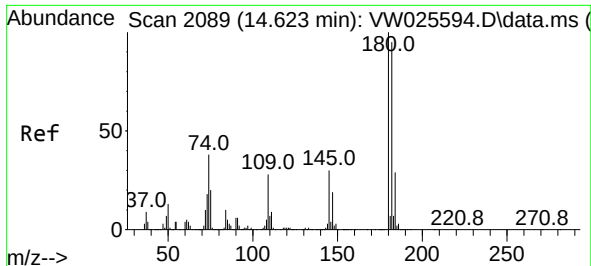
Ion Ratio Lower Upper

75 100

155 66.5 61.1 91.7

157 89.8 72.8 109.2





#69

1,3,5-Trichlorobenzene

Concen: 11.859 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. 0.000 min

Lab File: VW025597.D

Acq: 20 Apr 2023 11:41

Instrument :

MSVOA_W

ClientSampleId :

EW8Z5REMS

Tgt Ion:180 Resp: 55488

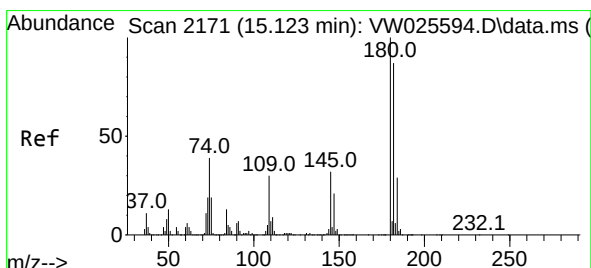
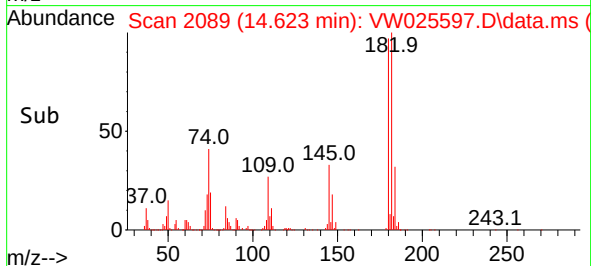
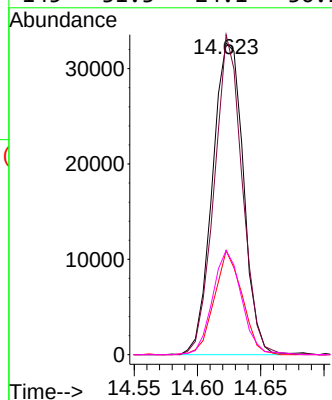
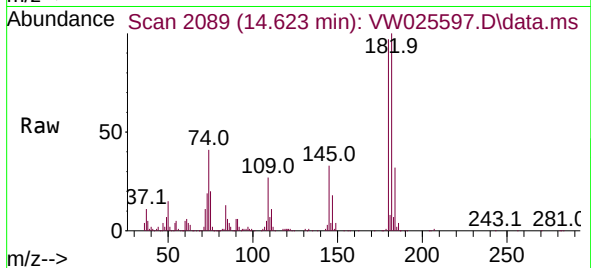
Ion Ratio Lower Upper

180 100

182 92.7 76.4 114.6

184 30.1 24.1 36.1

145 31.3 24.1 36.1



#70

1,2,4-trichlorobenzene

Concen: 9.231 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. 0.006 min

Lab File: VW025597.D

Acq: 20 Apr 2023 11:41

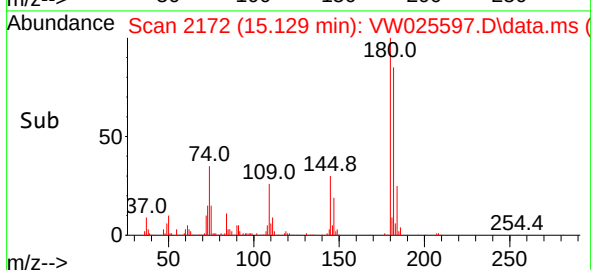
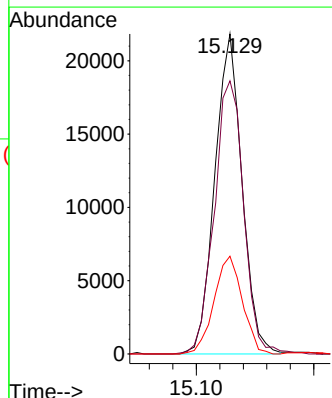
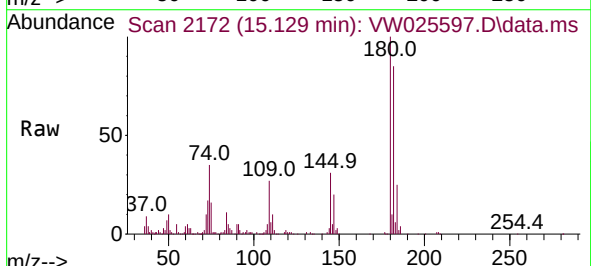
Tgt Ion:180 Resp: 35085

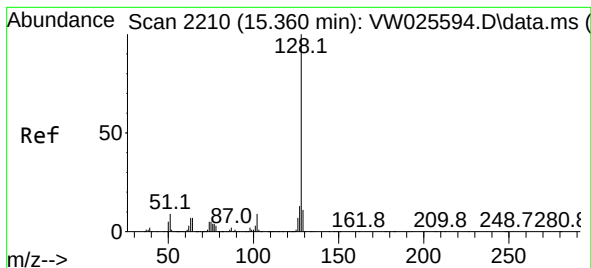
Ion Ratio Lower Upper

180 100

182 92.3 79.5 119.3

145 31.9 27.4 41.0





#71

Naphthalene

Concen: 12.878 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. 0.000 min

Lab File: VW025597.D

Acq: 20 Apr 2023 11:41

Instrument :

MSVOA_W

ClientSampleId :

EW8Z5REMS

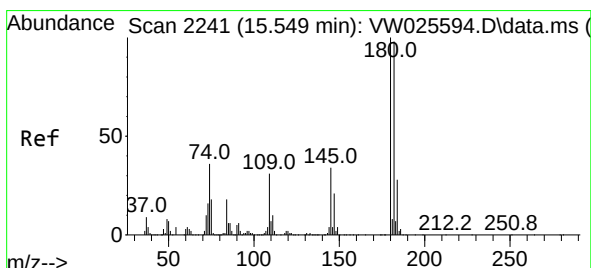
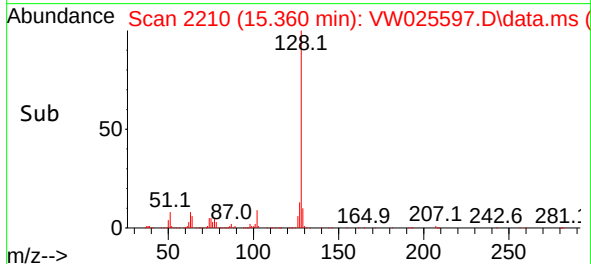
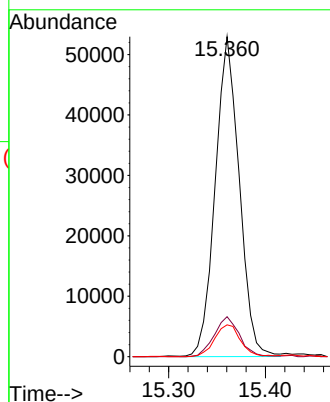
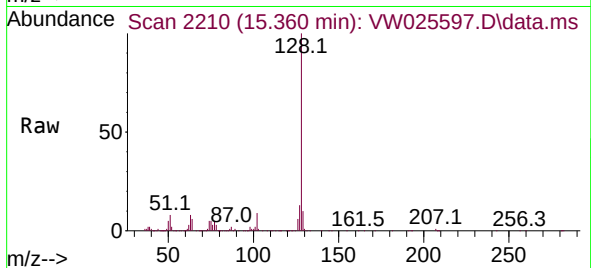
Tgt Ion:128 Resp: 91334

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

129 10.7 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 8.111 ug/L

RT: 15.555 min Scan# 2242

Delta R.T. 0.006 min

Lab File: VW025597.D

Acq: 20 Apr 2023 11:41

Tgt Ion:180 Resp: 26955

Ion Ratio Lower Upper

180 100

182 95.3 72.9 109.3

145 36.2 27.0 40.6

