

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
 Data File : VW026913.D
 Acq On : 25 Aug 2023 23:27
 Operator : SY/MD
 Sample : 04157-15MSD
 Misc : 5.66g/10mL/MSVOA_W/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 28 01:06:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Aug 26 05:14:45 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	554345	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	508575	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.555	152	272677	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.368	65	112406	12.335	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	49.320%
7) Chloroethane-d5	2.893	69	103930	15.337	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	61.360%
11) 1,1-Dichloroethene-d2	4.021	65	61591	13.742	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	54.960%
21) 2-Butanone-d5	7.075	46	124808	47.651	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.300%
24) Chloroform-d	7.648	84	406406	21.844	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	87.360%
26) 1,2-Dichloroethane-d4	8.306	65	232840	22.678	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.720%
32) Benzene-d6	8.276	84	685984	19.571	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	78.280%
36) 1,2-Dichloropropane-d6	9.270	67	238731	21.866	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.480%
41) Toluene-d8	10.318	98	567191	18.851	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	75.400%
43) trans-1,3-Dichloroprop...	10.574	79	94717	21.012	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	84.040%
47) 2-Hexanone-d5	10.922	63	62244	54.256	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.520%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	205688	23.856	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.440%
66) 1,2-Dichlorobenzene-d4	13.848	152	204451	20.948	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	83.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.015	85	125459	16.646	ug/L	# 79
3) Chloromethane	2.222	50	208061	20.188	ug/L	97
5) Vinyl chloride	2.381	62	186844	18.965	ug/L	98
6) Bromomethane	2.783	94	107374	18.706	ug/L	99
8) Chloroethane	2.929	64	113149	19.167	ug/L	100
9) Trichlorofluoromethane	3.265	101	154489	19.107	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	4.063	101	164253	18.807	ug/L	97
12) 1,1-Dichloroethene	4.051	96	154903	18.905	ug/L	90
13) Acetone	4.118	43	83635	32.115	ug/L	97
14) Carbon disulfide	4.392	76	451073	15.302	ug/L	99
15) Methyl Acetate	4.673	43	106916	20.495	ug/L	98
16) Methylene chloride	4.923	84	227096	21.178	ug/L	93
17) trans-1,2-Dichloroethene	5.429	96	178809	19.556	ug/L	95
18) Methyl tert-butyl Ether	5.423	73	335300	24.236	ug/L	98
19) 1,1-Dichloroethane	6.215	63	423090	22.483	ug/L	100
20) cis-1,2-Dichloroethene	7.166	96	210610	21.430	ug/L	92
22) 2-Butanone	7.166	43	145534	37.920	ug/L	98
23) Bromochloromethane	7.514	128	87086	20.514	ug/L	97
25) Chloroform	7.672	83	409435	22.521	ug/L	98

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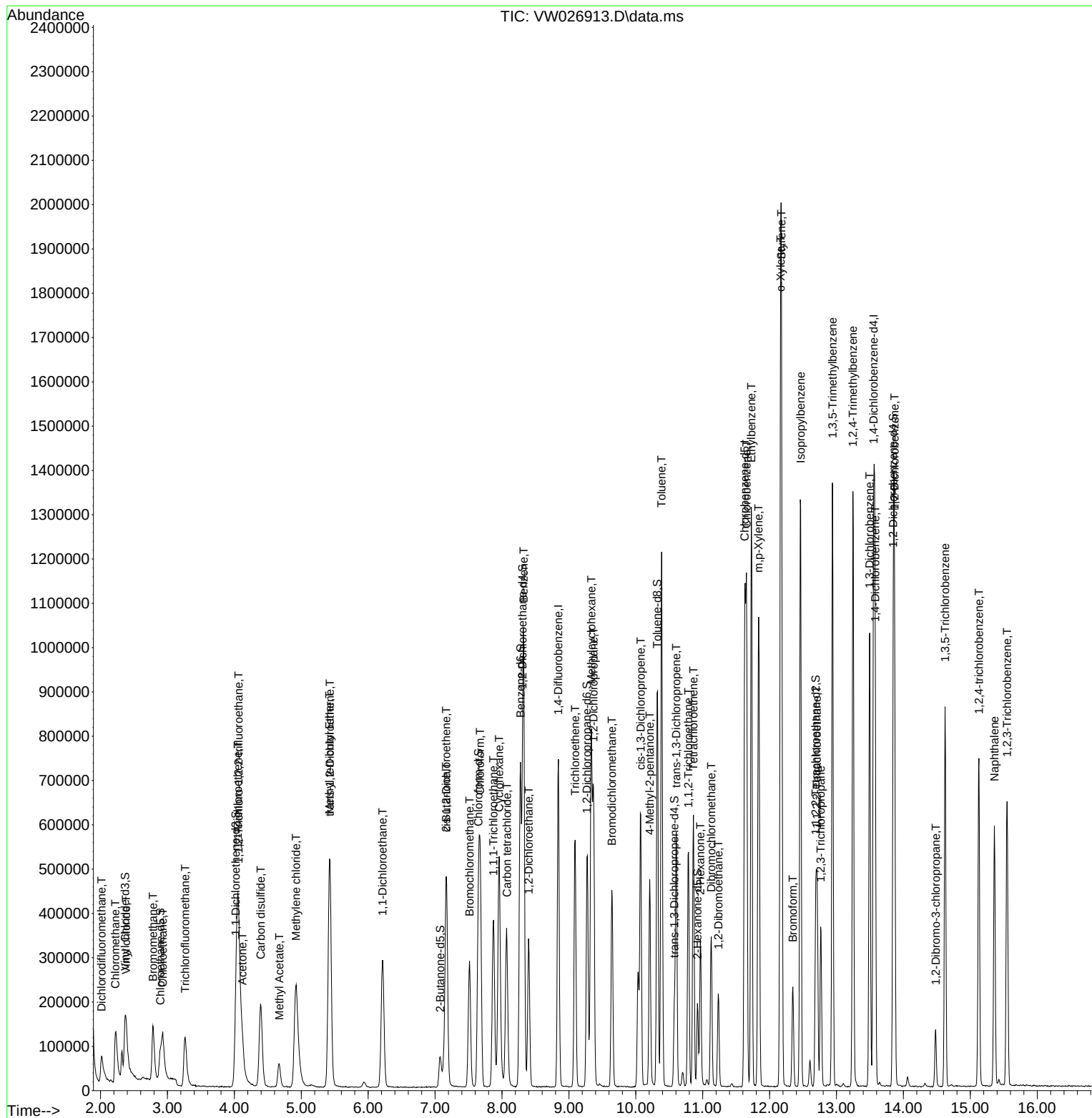
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	302110	23.820	ug/L	97
29) Cyclohexane	7.959	56	301261	19.155	ug/L	99
30) 1,1,1-Trichloroethane	7.873	97	305180	22.993	ug/L	99
31) Carbon tetrachloride	8.075	117	270119	22.258	ug/L	97
33) Benzene	8.325	78	828650	22.374	ug/L	100
34) Trichloroethene	9.093	95	198780	21.074	ug/L	95
35) Methylcyclohexane	9.337	83	297184	18.417	ug/L	99
37) 1,2-Dichloropropane	9.367	63	235322	23.197	ug/L	100
38) Bromodichloromethane	9.641	83	290313	24.395	ug/L	99
39) cis-1,3-Dichloropropene	10.074	75	344966	23.638	ug/L	98
40) 4-Methyl-2-pentanone	10.208	43	320638	48.591	ug/L	99
42) Toluene	10.385	91	814724	21.746	ug/L	100
44) trans-1,3-Dichloropropene	10.605	75	298084	23.731	ug/L	96
45) 1,1,2-Trichloroethane	10.788	97	155690	22.441	ug/L	98
46) Tetrachloroethene	10.861	164	125452	18.307	ug/L	97
48) 2-Hexanone	10.964	43	221232	49.272	ug/L	97
49) Dibromochloromethane	11.129	129	170448	23.490	ug/L	92
50) 1,2-Dibromoethane	11.233	107	137175	21.072	ug/L	97
51) Chlorobenzene	11.653	112	500914	21.166	ug/L	99
52) Ethylbenzene	11.726	91	872414	20.765	ug/L	97
53) m,p-Xylene	11.836	106	311211	19.995	ug/L	99
54) o-Xylene	12.165	106	321393	22.125	ug/L	91
55) Styrene	12.178	104	581506	23.023	ug/L	96
57) 1,1,2,2-Tetrachloroethane	12.708	83	194218	22.104	ug/L	99
59) Bromoform	12.348	173	97300	22.779	ug/L	96
60) Isopropylbenzene	12.464	105	811688	20.022	ug/L	98
61) 1,2,3-Trichloropropane	12.763	75	147653	22.323	ug/L	97
62) 1,3,5-Trimethylbenzene	12.940	105	665370	20.765	ug/L	100
63) 1,2,4-Trimethylbenzene	13.244	105	677850	21.587	ug/L	97
64) 1,3-Dichlorobenzene	13.494	146	364702	20.685	ug/L	89
65) 1,4-Dichlorobenzene	13.580	146	361479	19.646	ug/L	98
67) 1,2-Dichlorobenzene	13.866	146	341063	21.273	ug/L	94
68) 1,2-Dibromo-3-chloropr...	14.482	75	34586	21.690	ug/L	89
69) 1,3,5-Trichlorobenzene	14.622	180	234602	19.695	ug/L	99
70) 1,2,4-trichlorobenzene	15.128	180	213043	21.095	ug/L	97
71) Naphthalene	15.360	128	451915	23.458	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	201369	22.106	ug/L	98

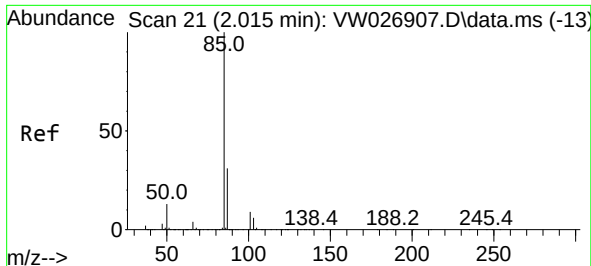
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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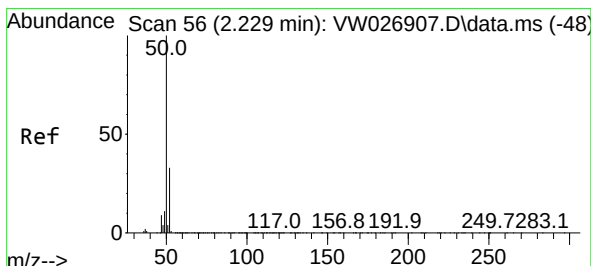
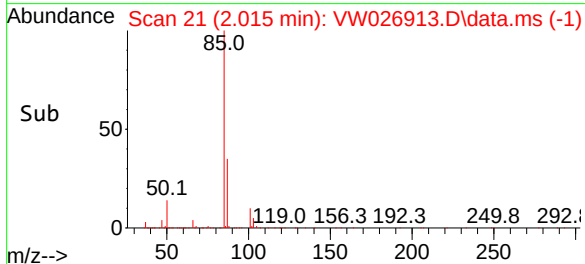
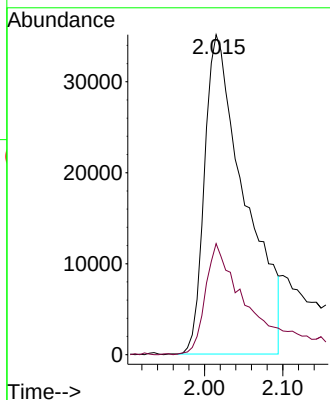
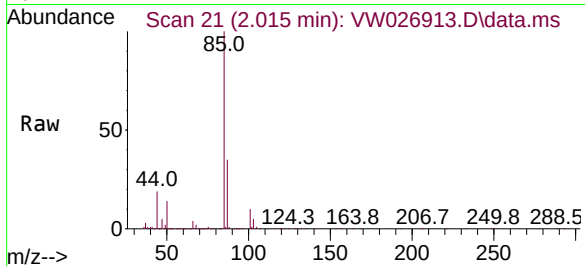




#2
 Dichlorodifluoromethane
 Concen: 16.646 ug/L
 RT: 2.015 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VW026913.D
 Acq: 25 Aug 2023 23:27

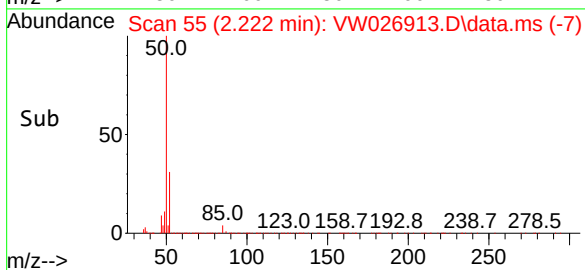
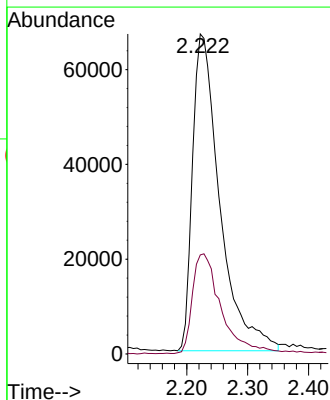
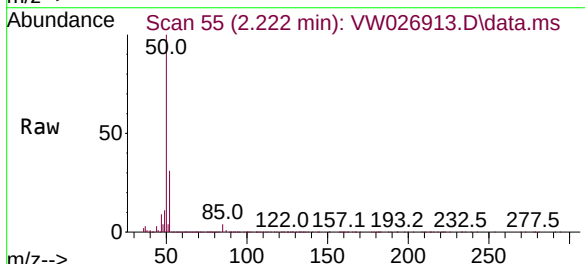
Instrument :
 MSVOA_W
 ClientSampleId :

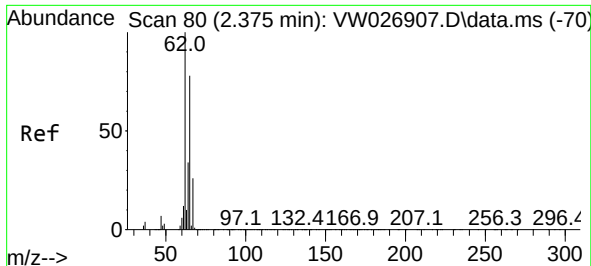
Tgt Ion: 85 Resp: 125459
 Ion Ratio Lower Upper
 85 100
 87 34.6 19.5 29.3#



#3
 Chloromethane
 Concen: 20.188 ug/L
 RT: 2.222 min Scan# 55
 Delta R.T. -0.006 min
 Lab File: VW026913.D
 Acq: 25 Aug 2023 23:27

Tgt Ion: 50 Resp: 208061
 Ion Ratio Lower Upper
 50 100
 52 30.9 23.0 42.8

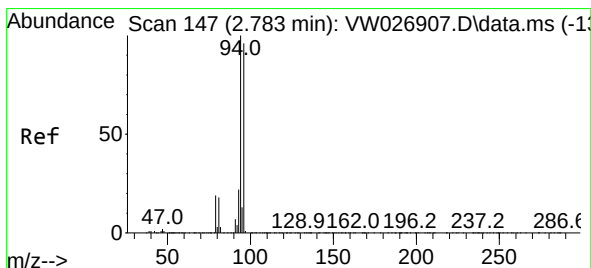
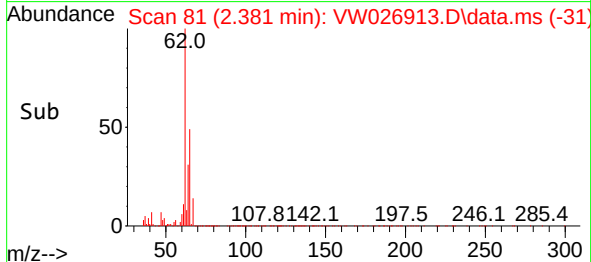
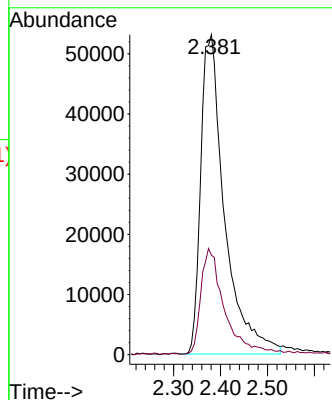
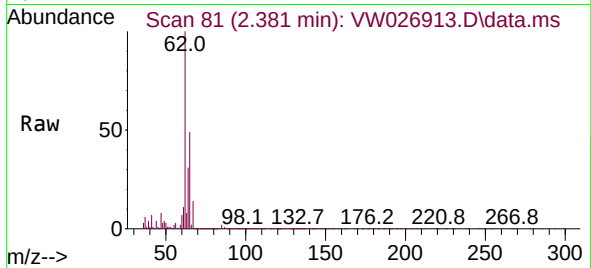




#5
 Vinyl chloride
 Concen: 18.965 ug/L
 RT: 2.381 min Scan# 81
 Delta R.T. 0.006 min
 Lab File: VW026913.D
 Acq: 25 Aug 2023 23:27

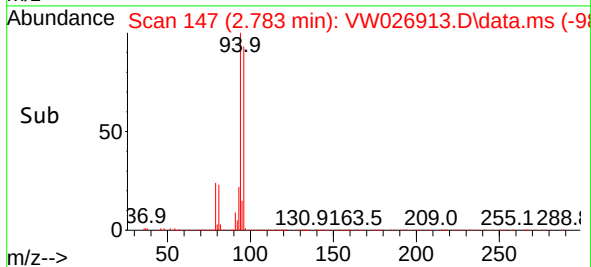
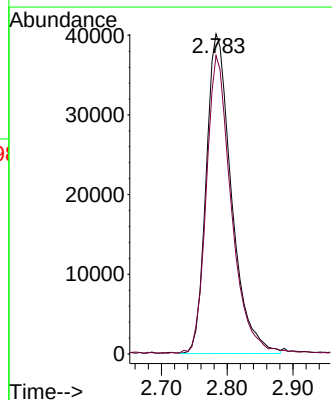
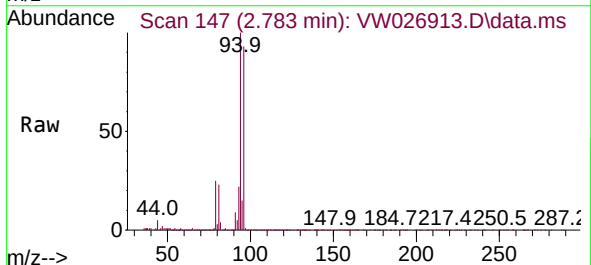
Instrument :
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 ClientSampleId :

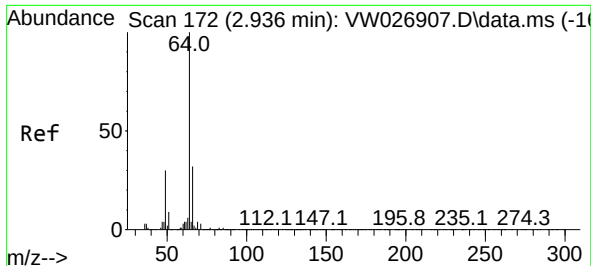
Tgt Ion: 62 Resp: 186844
 Ion Ratio Lower Upper
 62 100
 64 31.1 22.7 42.3



#6
 Bromomethane
 Concen: 18.706 ug/L
 RT: 2.783 min Scan# 147
 Delta R.T. -0.000 min
 Lab File: VW026913.D
 Acq: 25 Aug 2023 23:27

Tgt Ion: 94 Resp: 107374
 Ion Ratio Lower Upper
 94 100
 96 93.2 64.8 120.3

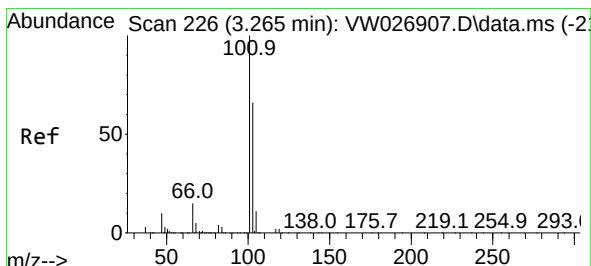
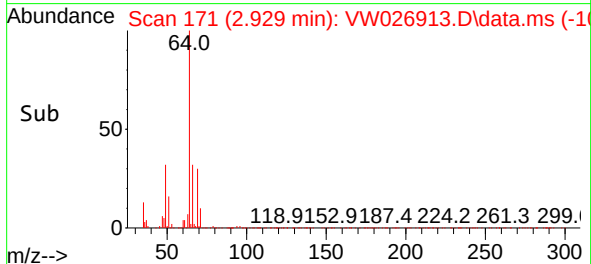
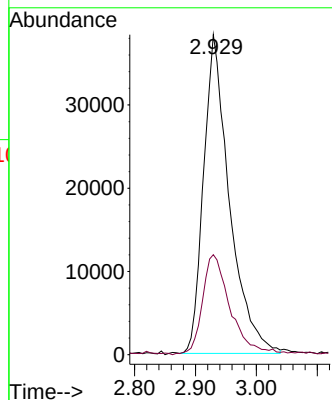
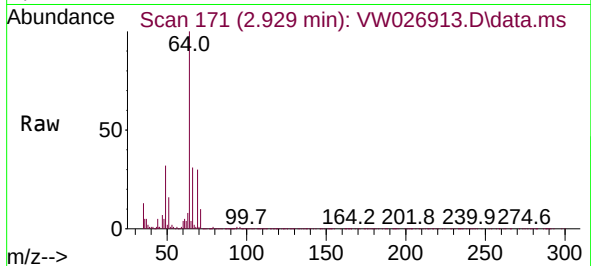




#8
Chloroethane
Concen: 19.167 ug/L
RT: 2.929 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW026913.D
Acq: 25 Aug 2023 23:27

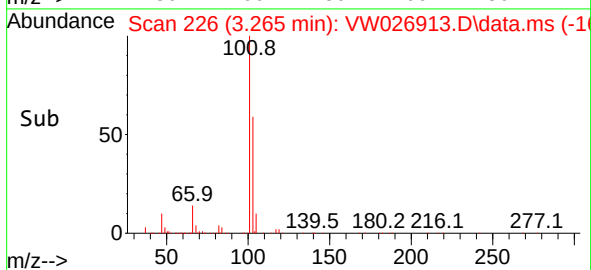
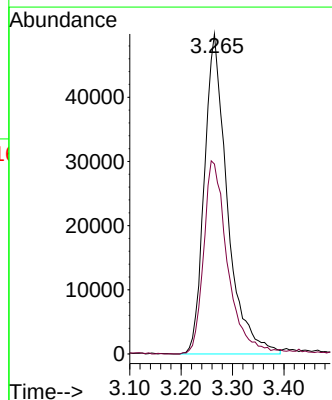
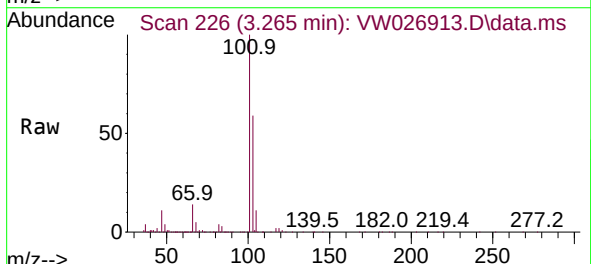
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MSVOA_W
ClientSampleId :

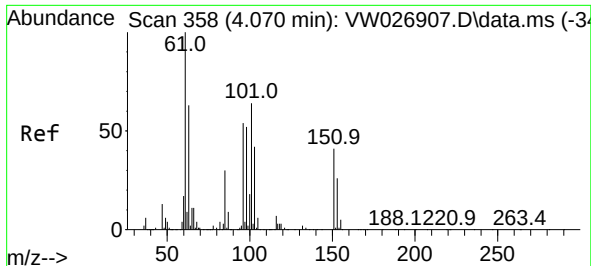
Tgt Ion: 64 Resp: 113149
Ion Ratio Lower Upper
64 100
66 31.2 21.7 40.3



#9
Trichlorofluoromethane
Concen: 19.107 ug/L
RT: 3.265 min Scan# 226
Delta R.T. -0.000 min
Lab File: VW026913.D
Acq: 25 Aug 2023 23:27

Tgt Ion: 101 Resp: 154489
Ion Ratio Lower Upper
101 100
103 62.5 51.9 77.9





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 18.807 ug/L

RT: 4.063 min Scan# 357

Delta R.T. -0.006 min

Lab File: VW026913.D

Acq: 25 Aug 2023 23:27

Instrument :

MSVOA_W

ClientSampleId :

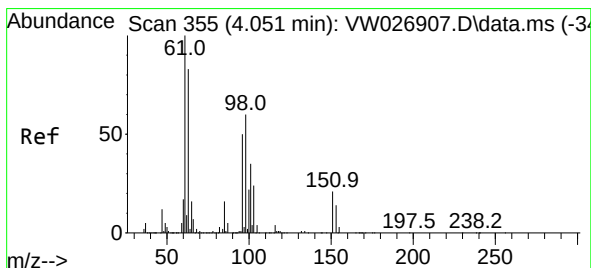
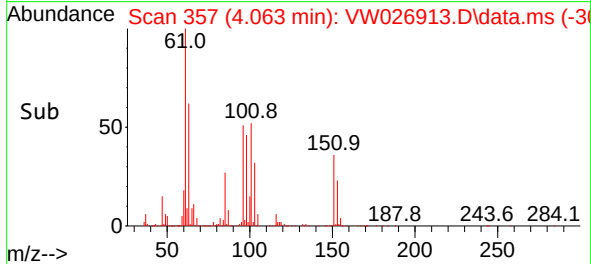
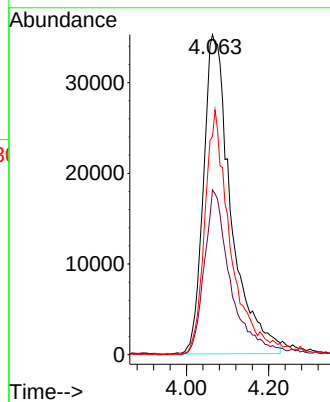
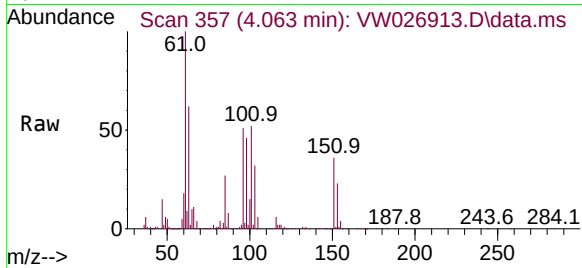
Tgt Ion:101 Resp: 164253

Ion Ratio Lower Upper

101 100

85 45.8 32.8 49.2

151 68.3 54.4 81.6



#12

1,1-Dichloroethene

Concen: 18.905 ug/L

RT: 4.051 min Scan# 355

Delta R.T. -0.000 min

Lab File: VW026913.D

Acq: 25 Aug 2023 23:27

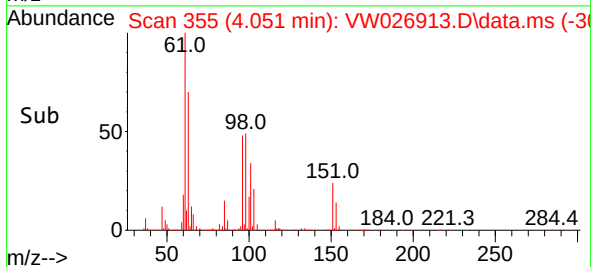
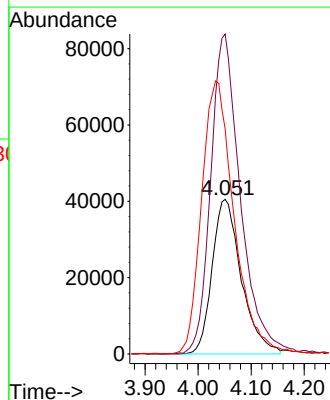
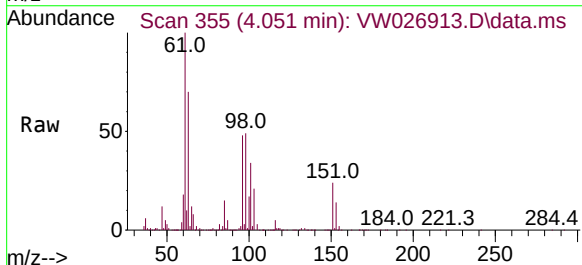
Tgt Ion: 96 Resp: 154903

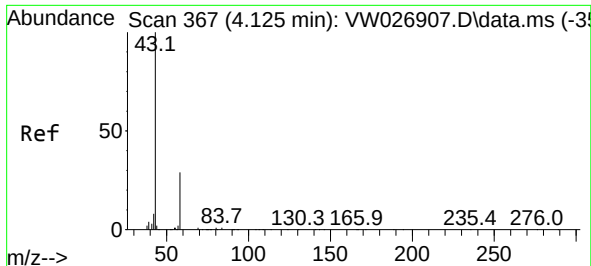
Ion Ratio Lower Upper

96 100

61 207.0 133.2 247.4

63 145.6 109.0 202.4

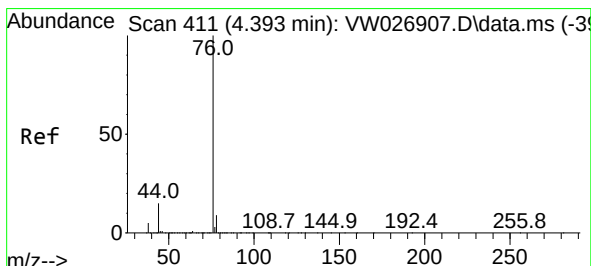
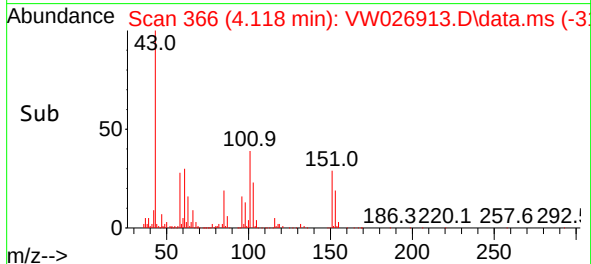
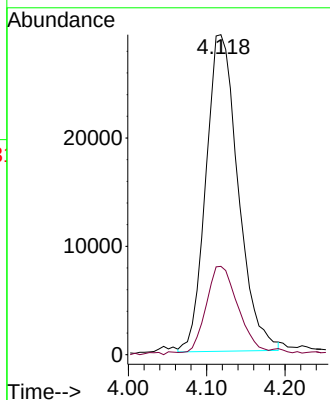
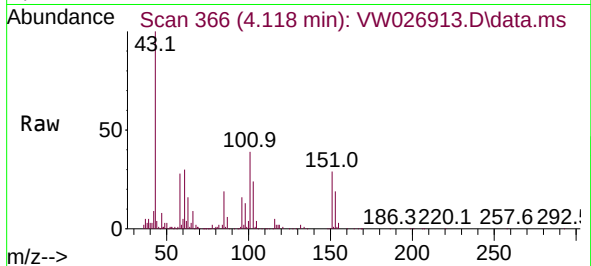




#13
Acetone
Concen: 32.115 ug/L
RT: 4.118 min Scan# 366
Delta R.T. -0.006 min
Lab File: VW026913.D
Acq: 25 Aug 2023 23:27

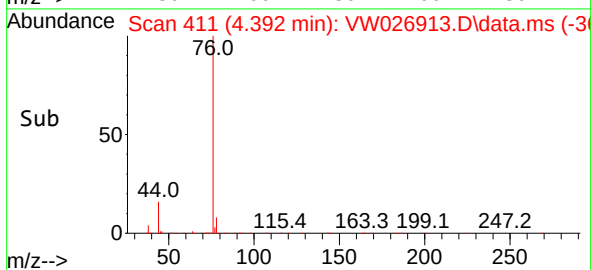
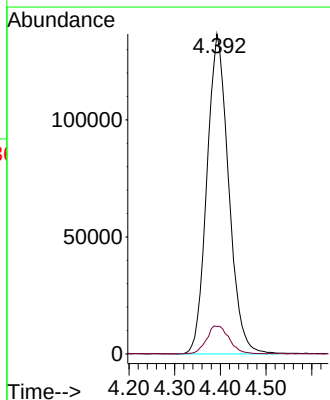
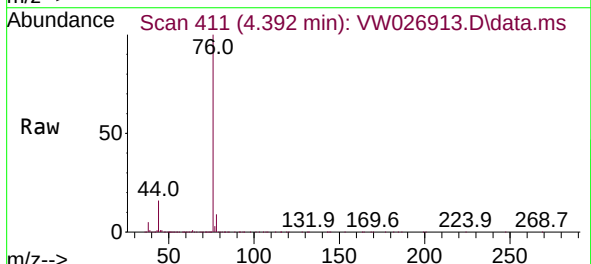
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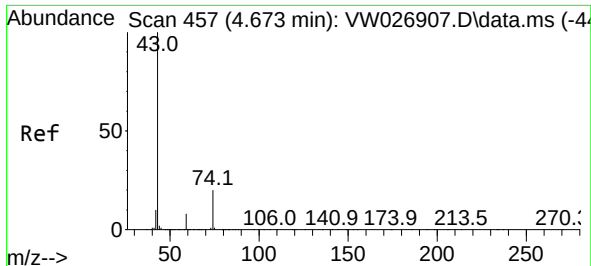
Tgt Ion: 43 Resp: 83635
Ion Ratio Lower Upper
43 100
58 27.4 0.0 57.4



#14
Carbon disulfide
Concen: 15.302 ug/L
RT: 4.392 min Scan# 411
Delta R.T. -0.000 min
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Tgt Ion: 76 Resp: 451073
Ion Ratio Lower Upper
76 100
78 8.6 7.1 10.7

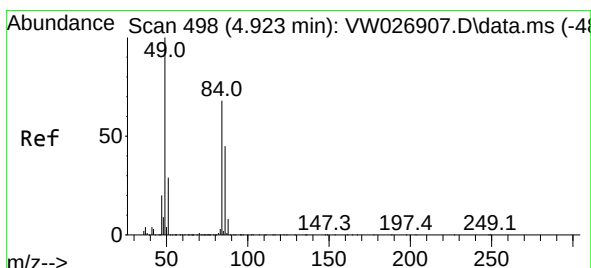
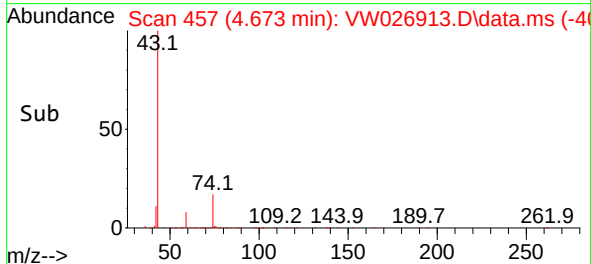
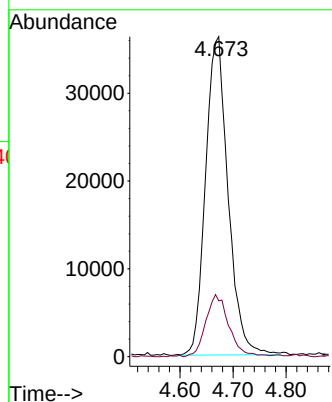
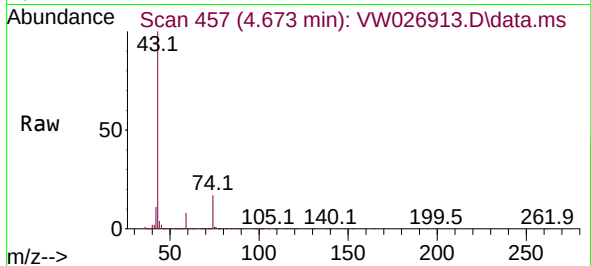




#15
Methyl Acetate
Concen: 20.495 ug/L
RT: 4.673 min Scan# 41
Delta R.T. -0.000 min
Lab File: VW026913.D
Acq: 25 Aug 2023 23:27

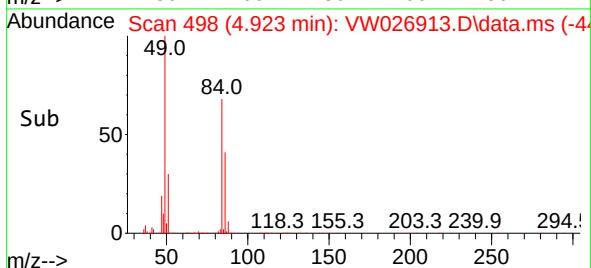
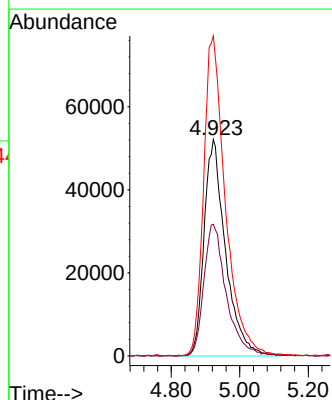
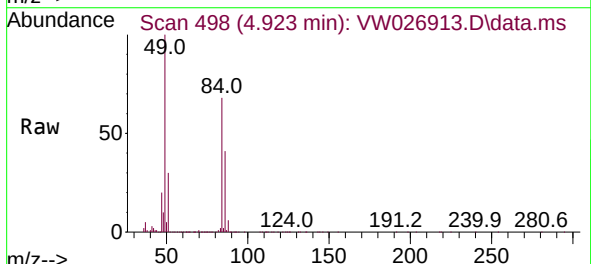
Instrument :
MSVOA_W
ClientSampleId :

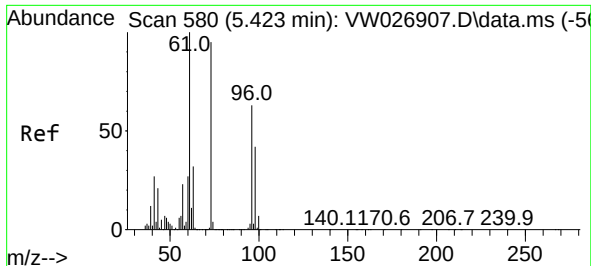
Tgt Ion: 43 Resp: 106916
Ion Ratio Lower Upper
43 100
74 19.8 16.4 24.6



#16
Methylene chloride
Concen: 21.178 ug/L
RT: 4.923 min Scan# 498
Delta R.T. -0.000 min
Lab File: VW026913.D
Acq: 25 Aug 2023 23:27

Tgt Ion: 84 Resp: 227096
Ion Ratio Lower Upper
84 100
86 60.8 43.5 80.9
49 147.8 96.0 178.2

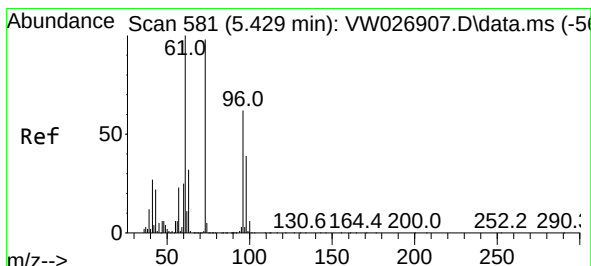
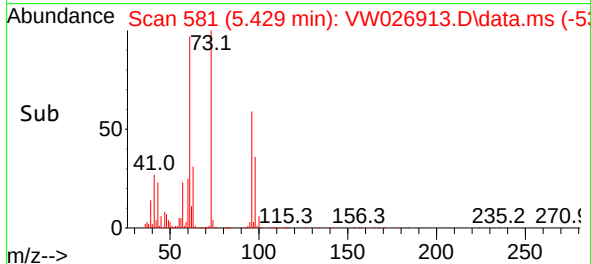
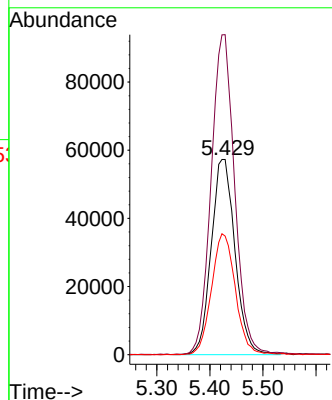
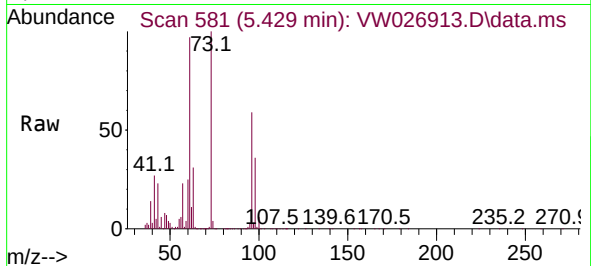




#17
trans-1,2-Dichloroethene
Concen: 19.556 ug/L
RT: 5.429 min Scan# 580
Delta R.T. 0.006 min
Lab File: VW026913.D
Acq: 25 Aug 2023 23:27

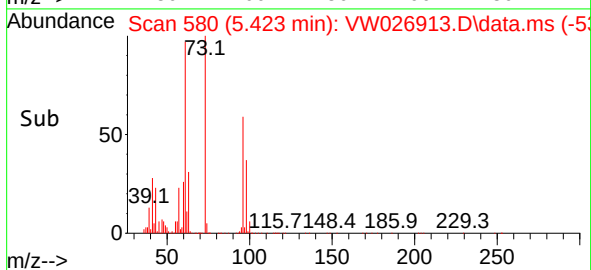
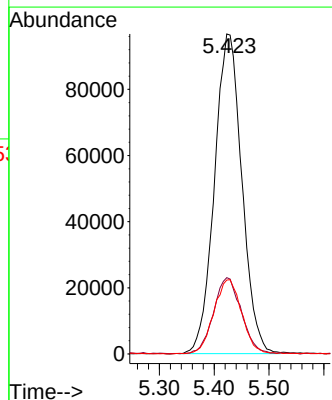
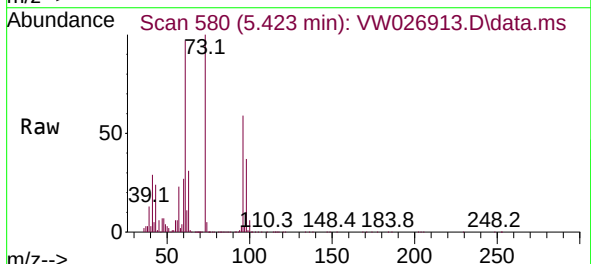
Instrument :
MSVOA_W
ClientSampleId :

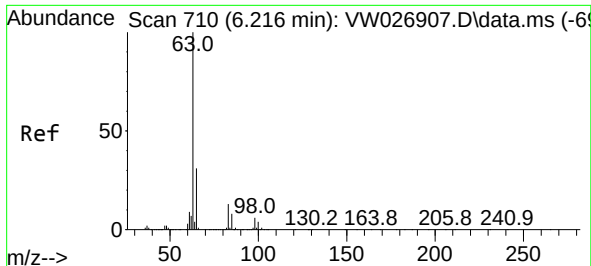
Tgt Ion: 96 Resp: 178809
Ion Ratio Lower Upper
96 100
61 163.9 109.4 203.2
98 60.7 43.6 81.0



#18
Methyl tert-butyl Ether
Concen: 24.236 ug/L
RT: 5.423 min Scan# 580
Delta R.T. -0.006 min
Lab File: VW026913.D
Acq: 25 Aug 2023 23:27

Tgt Ion: 73 Resp: 335300
Ion Ratio Lower Upper
73 100
43 24.0 18.0 27.0
57 23.4 19.3 28.9





#19

1,1-Dichloroethane

Concen: 22.483 ug/L

RT: 6.215 min Scan# 710

Delta R.T. -0.000 min

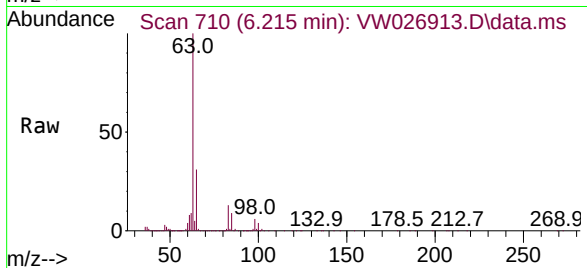
Lab File: VW026913.D

Acq: 25 Aug 2023 23:27

Instrument :

MSVOA_W

ClientSampleId :



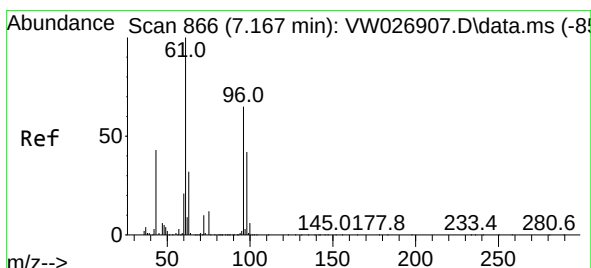
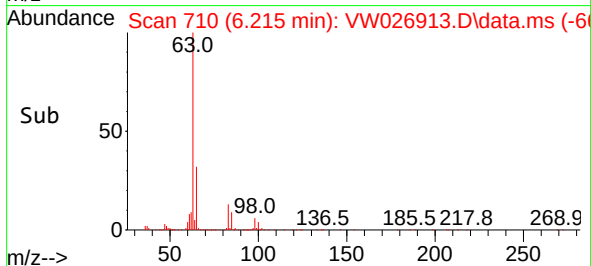
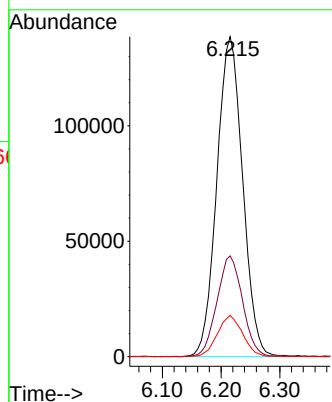
Tgt Ion: 63 Resp: 423090

Ion Ratio Lower Upper

63 100

65 31.5 21.8 40.6

83 12.9 9.0 16.6



#20

cis-1,2-Dichloroethene

Concen: 21.430 ug/L

RT: 7.166 min Scan# 866

Delta R.T. -0.000 min

Lab File: VW026913.D

Acq: 25 Aug 2023 23:27

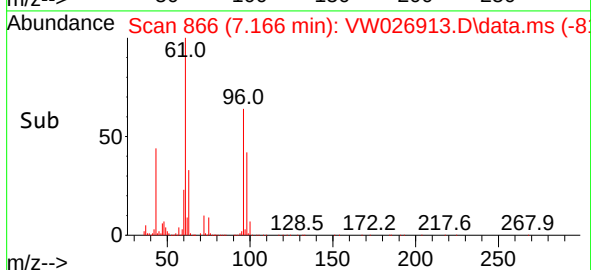
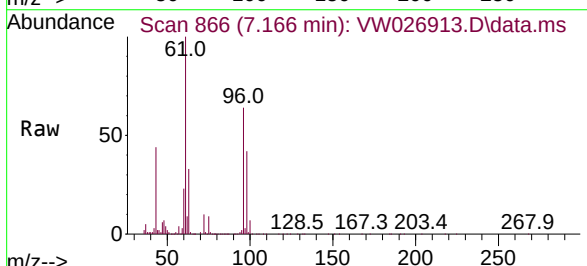
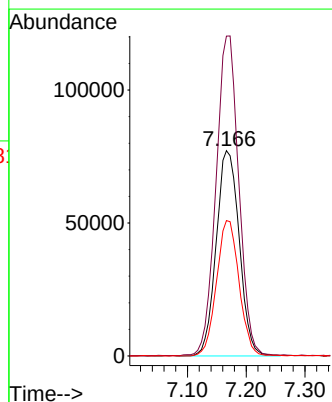
Tgt Ion: 96 Resp: 210610

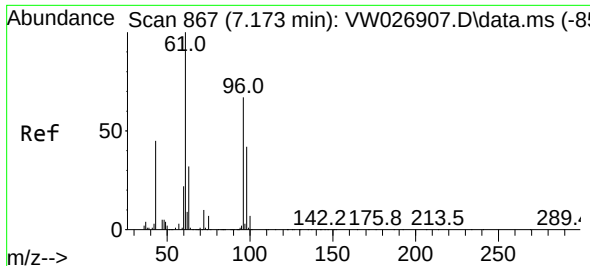
Ion Ratio Lower Upper

96 100

61 155.7 101.2 188.0

98 65.9 43.8 81.3

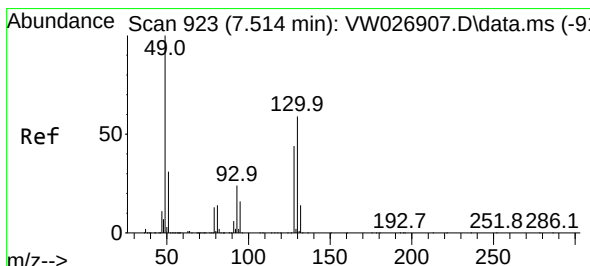
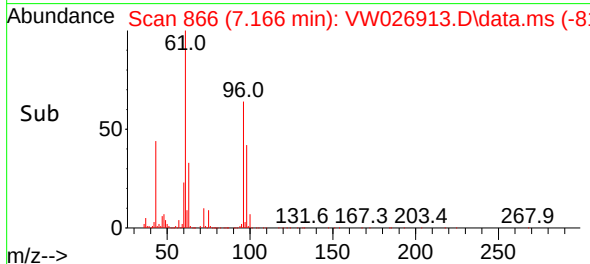
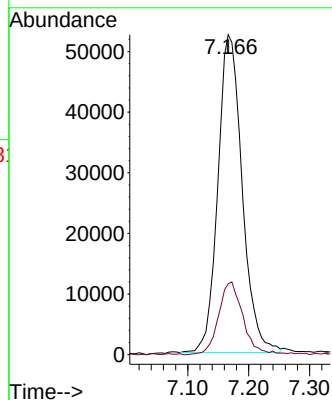
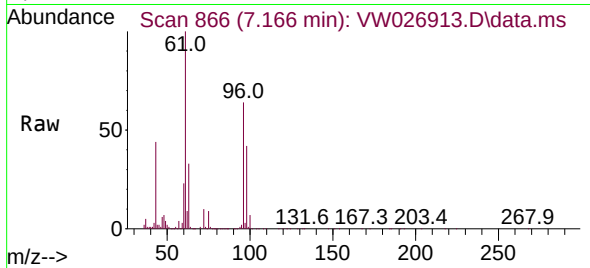




#22
2-Butanone
Concen: 37.920 ug/L
RT: 7.166 min Scan# 866
Delta R.T. -0.006 min
Lab File: VW026913.D
Acq: 25 Aug 2023 23:27

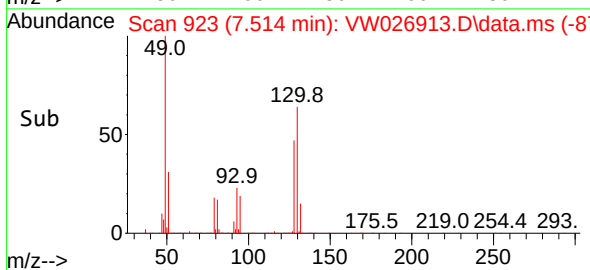
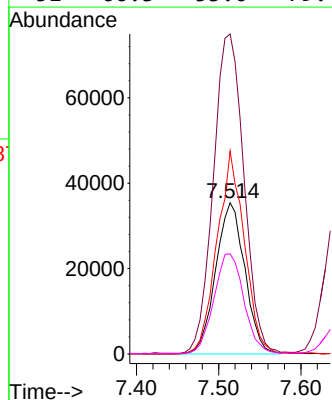
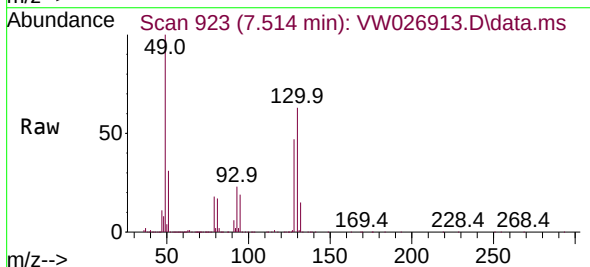
Instrument :
MSVOA_W
ClientSampleId :

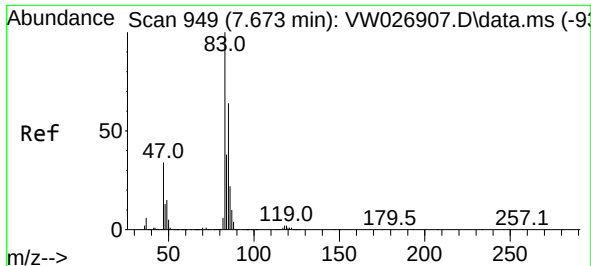
Tgt Ion: 43 Resp: 145534
Ion Ratio Lower Upper
43 100
72 22.6 11.8 35.4



#23
Bromochloromethane
Concen: 20.514 ug/L
RT: 7.514 min Scan# 923
Delta R.T. -0.000 min
Lab File: VW026913.D
Acq: 25 Aug 2023 23:27

Tgt Ion: 128 Resp: 87086
Ion Ratio Lower Upper
128 100
49 211.7 143.1 265.7
130 134.2 91.8 170.4
51 66.3 53.0 79.4

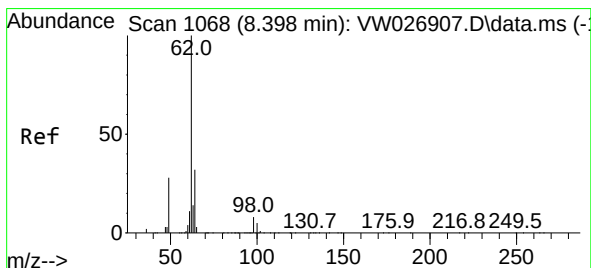
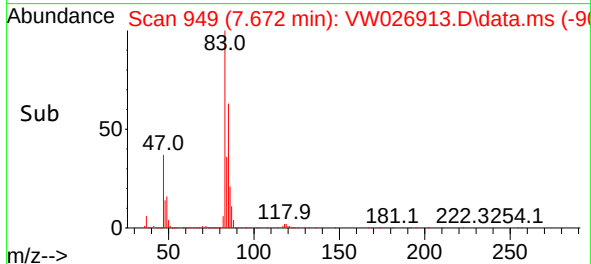
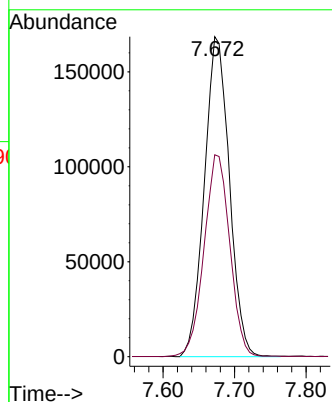
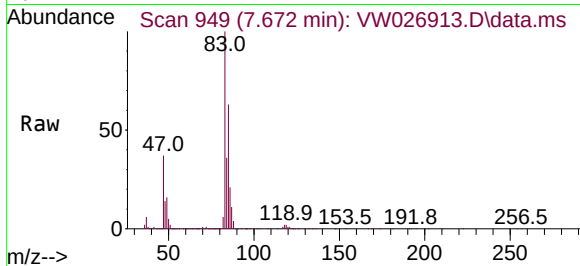




#25
Chloroform
Concen: 22.521 ug/L
RT: 7.672 min Scan# 949
Delta R.T. -0.000 min
Lab File: VW026913.D
Acq: 25 Aug 2023 23:27

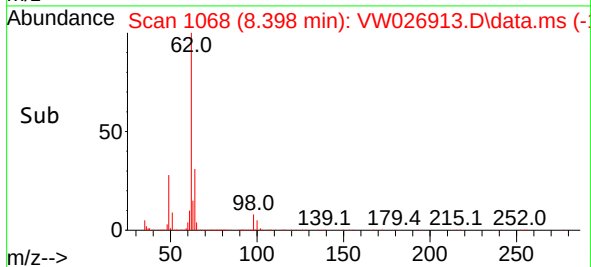
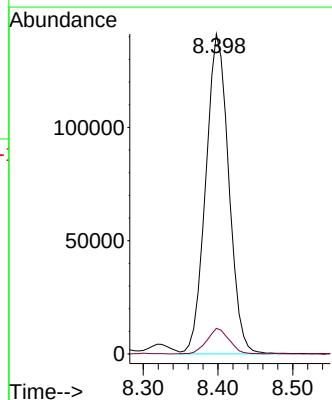
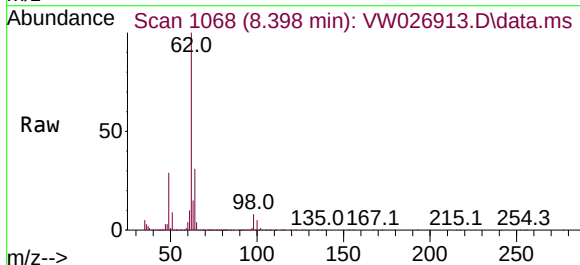
Instrument :
MSVOA_W
ClientSampleId :

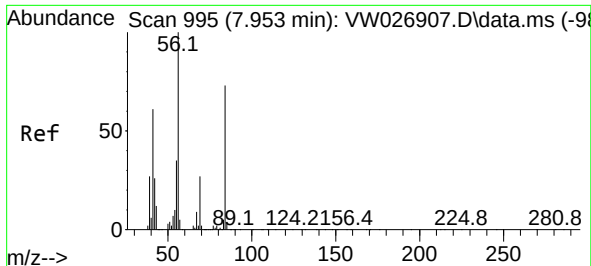
Tgt Ion: 83 Resp: 409435
Ion Ratio Lower Upper
83 100
85 63.1 45.4 84.2



#27
1,2-Dichloroethane
Concen: 23.820 ug/L
RT: 8.398 min Scan# 1068
Delta R.T. -0.000 min
Lab File: VW026913.D
Acq: 25 Aug 2023 23:27

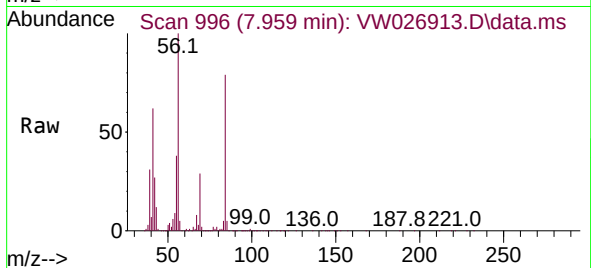
Tgt Ion: 62 Resp: 302110
Ion Ratio Lower Upper
62 100
98 8.0 7.1 10.7



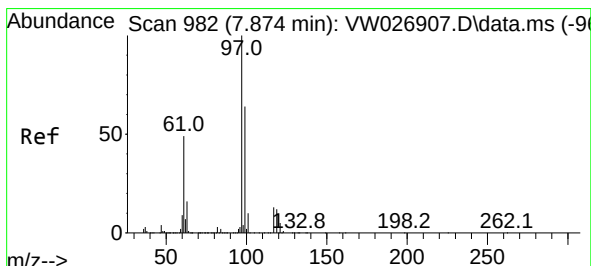
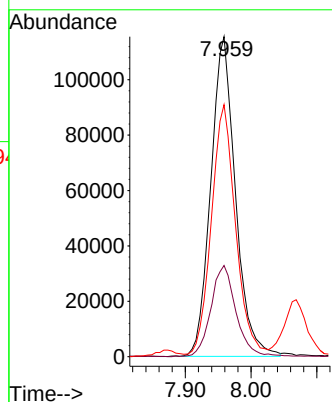
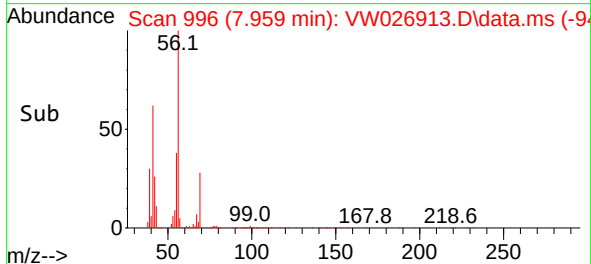


#29
Cyclohexane
Concen: 19.155 ug/L
RT: 7.959 min Scan# 995
Delta R.T. 0.006 min
Lab File: VW026913.D
Acq: 25 Aug 2023 23:27

Instrument :
MSVOA_W
ClientSampleId :

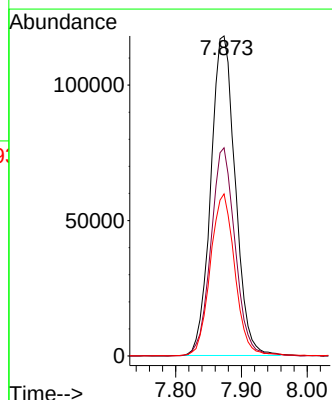
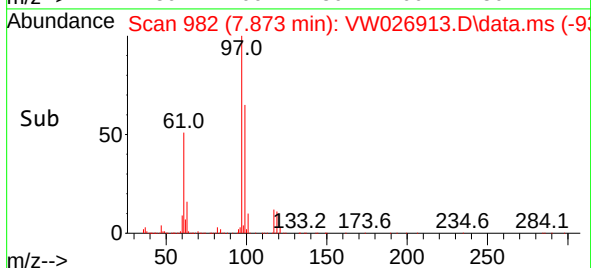
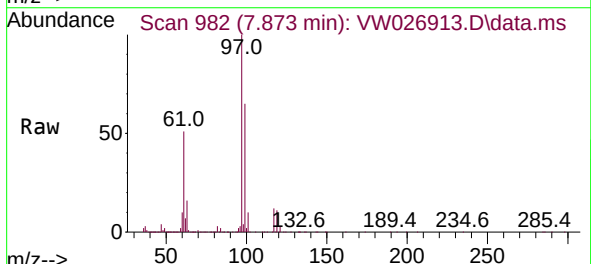


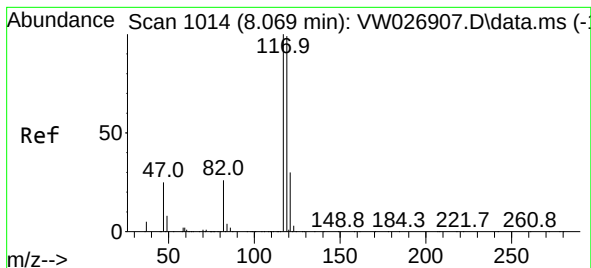
Tgt Ion: 56 Resp: 301261
Ion Ratio Lower Upper
56 100
69 28.7 23.2 34.8
84 77.9 62.7 94.1



#30
1,1,1-Trichloroethane
Concen: 22.993 ug/L
RT: 7.873 min Scan# 982
Delta R.T. -0.000 min
Lab File: VW026913.D
Acq: 25 Aug 2023 23:27

Tgt Ion: 97 Resp: 305180
Ion Ratio Lower Upper
97 100
99 64.2 51.2 76.8
61 50.4 39.2 58.8





#31

Carbon tetrachloride

Concen: 22.258 ug/L

RT: 8.075 min Scan# 1015

Delta R.T. 0.006 min

Lab File: VW026913.D

Acq: 25 Aug 2023 23:27

Instrument :

MSVOA_W

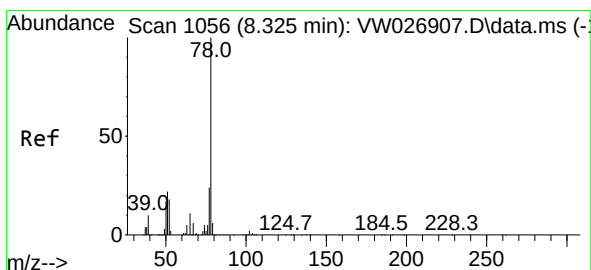
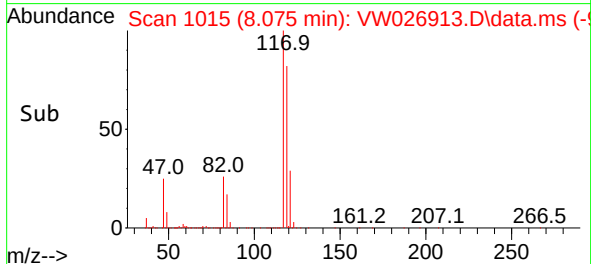
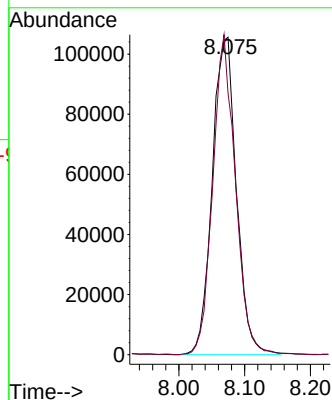
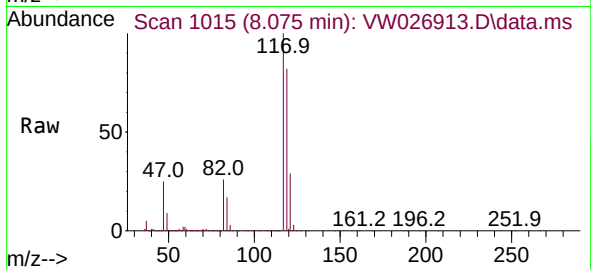
ClientSampleId :

Tgt Ion:117 Resp: 270119

Ion Ratio Lower Upper

117 100

119 94.3 73.0 109.4



#33

Benzene

Concen: 22.374 ug/L

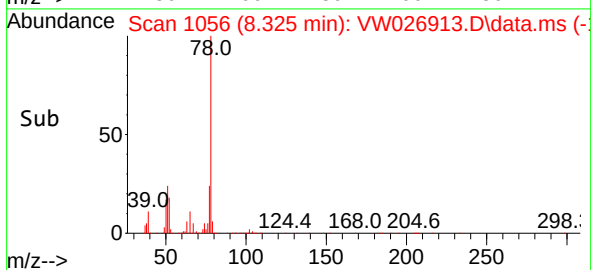
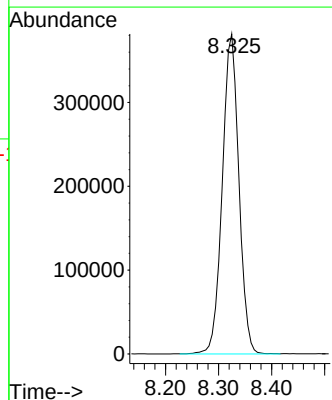
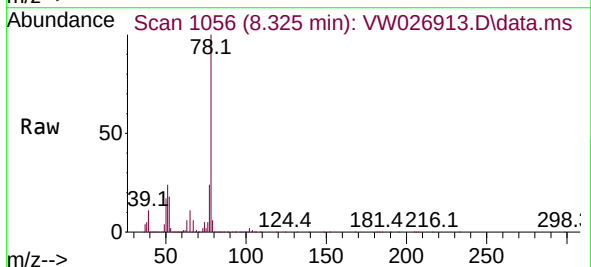
RT: 8.325 min Scan# 1056

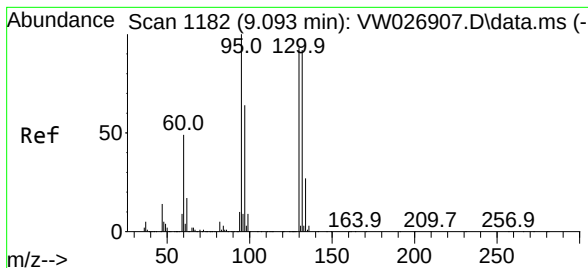
Delta R.T. -0.000 min

Lab File: VW026913.D

Acq: 25 Aug 2023 23:27

Tgt Ion: 78 Resp: 828650





#34

Trichloroethene

Concen: 21.074 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. -0.000 min

Lab File: VW026913.D

Acq: 25 Aug 2023 23:27

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 95 Resp: 198780

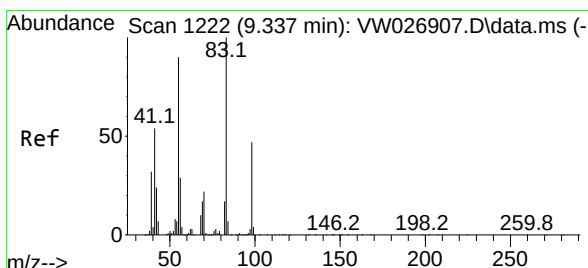
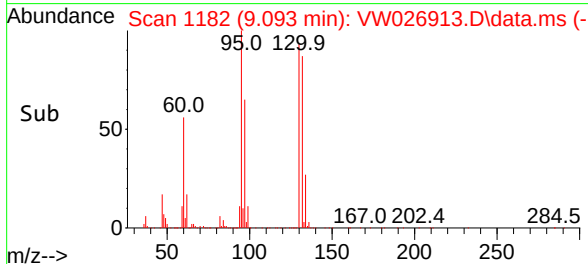
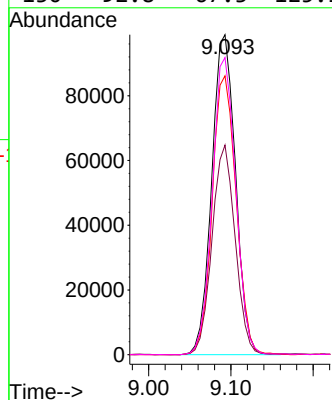
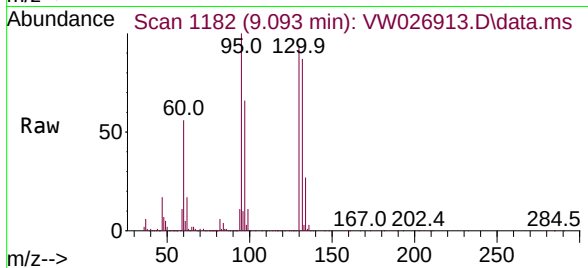
Ion Ratio Lower Upper

95 100

97 65.5 44.6 82.8

132 87.1 66.4 123.2

130 92.8 67.3 125.1



#35

Methylcyclohexane

Concen: 18.417 ug/L

RT: 9.337 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VW026913.D

Acq: 25 Aug 2023 23:27

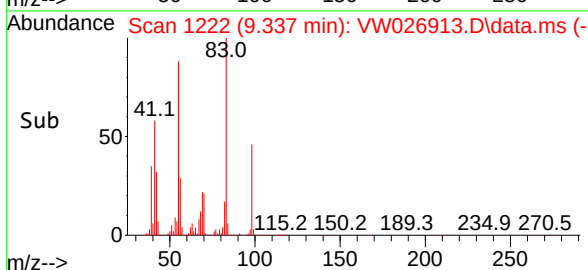
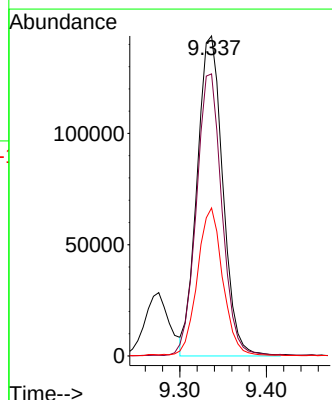
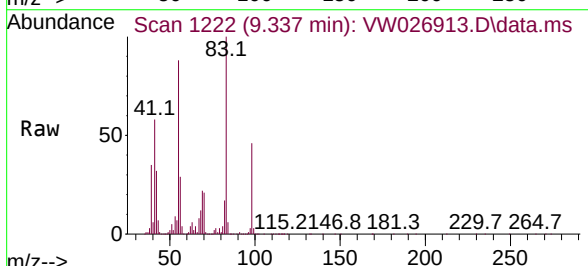
Tgt Ion: 83 Resp: 297184

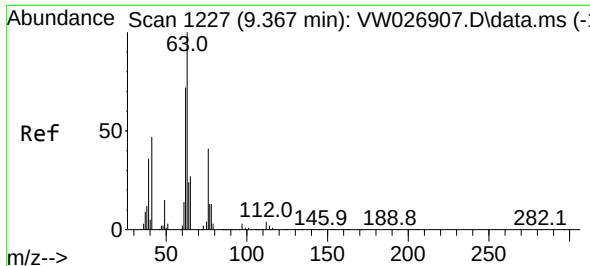
Ion Ratio Lower Upper

83 100

55 87.1 69.3 103.9

98 45.6 37.4 56.0





#37

1,2-Dichloropropane

Concen: 23.197 ug/L

RT: 9.367 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW026913.D

Acq: 25 Aug 2023 23:27

Instrument :

MSVOA_W

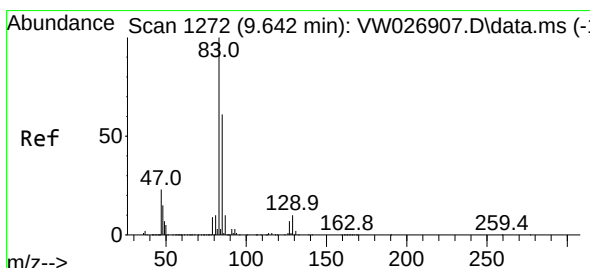
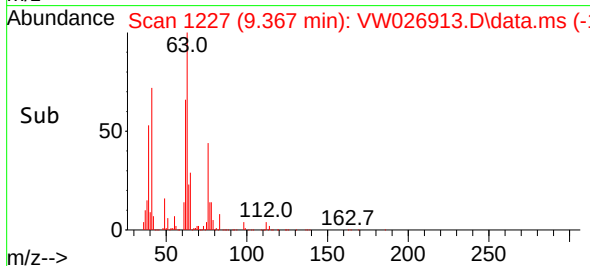
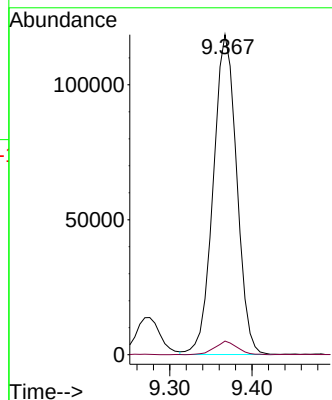
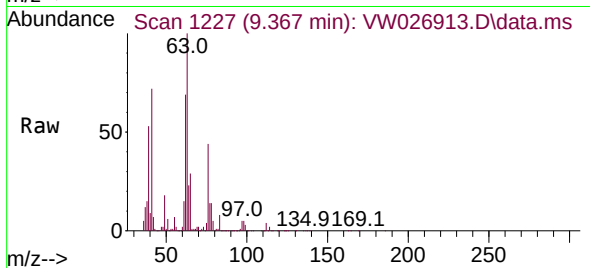
ClientSampleId :

Tgt Ion: 63 Resp: 235322

Ion Ratio Lower Upper

63 100

112 4.0 3.1 4.7



#38

Bromodichloromethane

Concen: 24.395 ug/L

RT: 9.641 min Scan# 1272

Delta R.T. -0.000 min

Lab File: VW026913.D

Acq: 25 Aug 2023 23:27

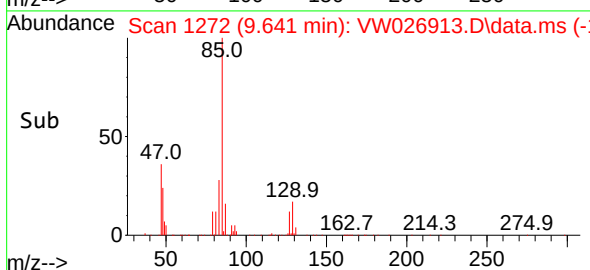
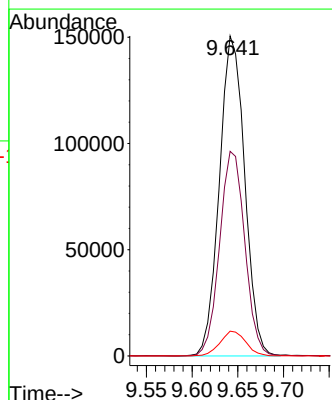
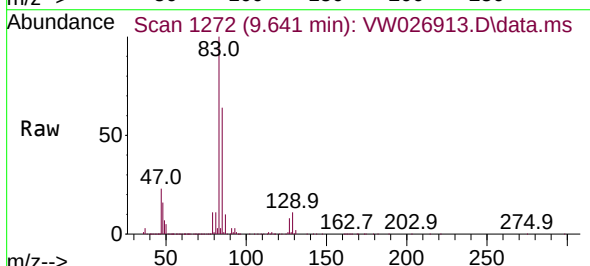
Tgt Ion: 83 Resp: 290313

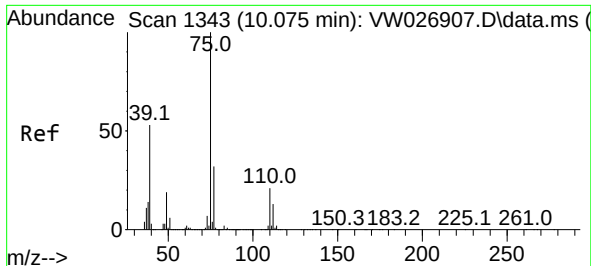
Ion Ratio Lower Upper

83 100

85 63.9 45.4 84.2

127 7.8 6.2 9.2

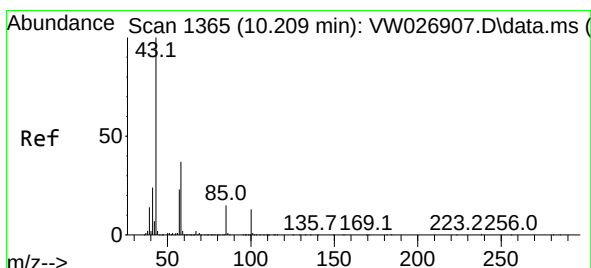
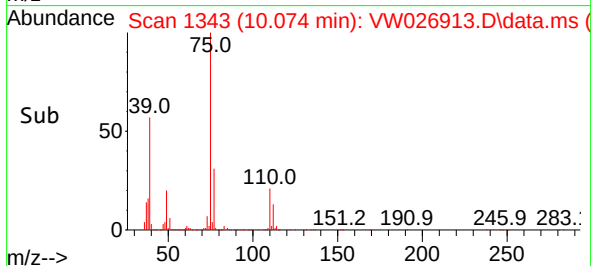
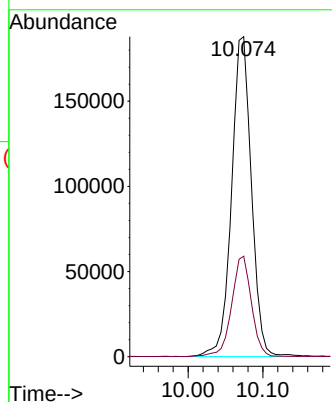
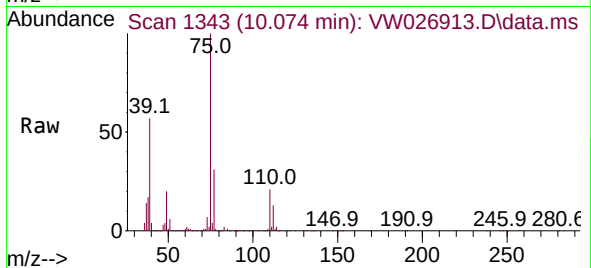




#39
 cis-1,3-Dichloropropene
 Concen: 23.638 ug/L
 RT: 10.074 min Scan# 1343
 Delta R.T. -0.000 min
 Lab File: VW026913.D
 Acq: 25 Aug 2023 23:27

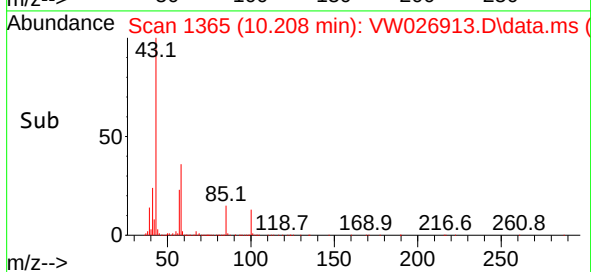
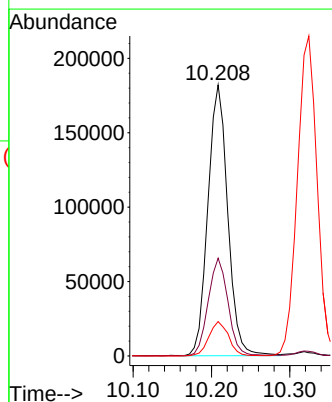
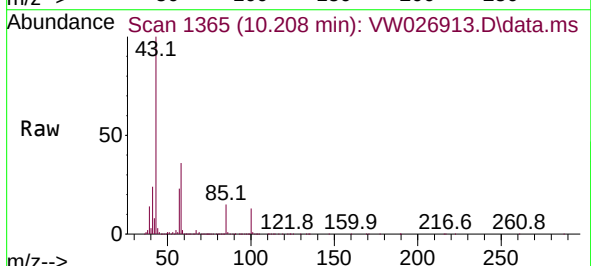
Instrument :
 MSVOA_W
 ClientSampleId :

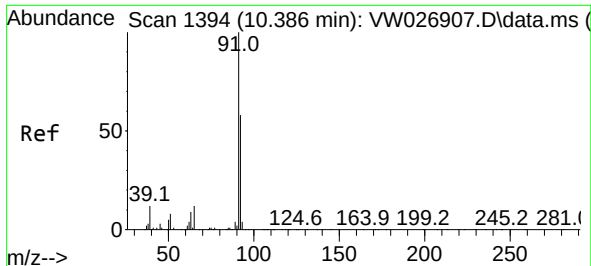
Tgt Ion: 75 Resp: 344966
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.8 42.4



#40
 4-Methyl-2-pentanone
 Concen: 48.591 ug/L
 RT: 10.208 min Scan# 1365
 Delta R.T. -0.000 min
 Lab File: VW026913.D
 Acq: 25 Aug 2023 23:27

Tgt Ion: 43 Resp: 320638
 Ion Ratio Lower Upper
 43 100
 58 35.9 29.2 43.8
 100 12.7 10.7 16.1

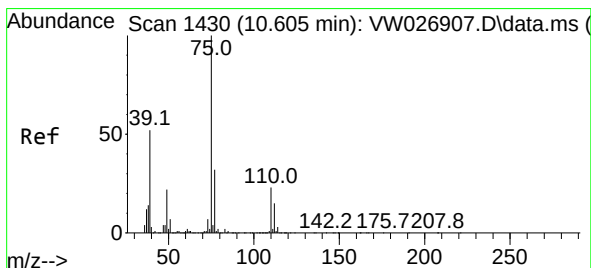
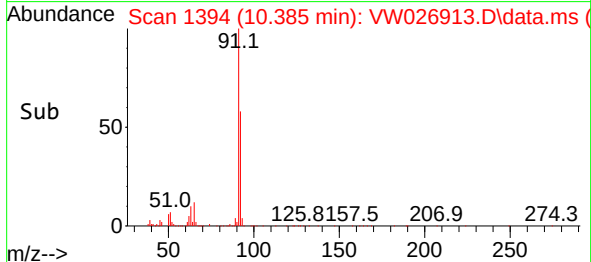
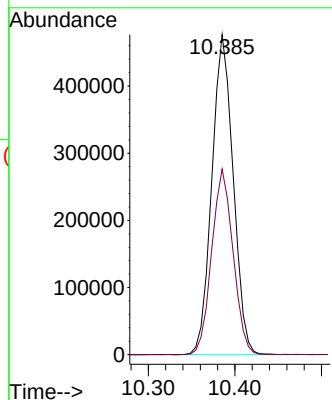
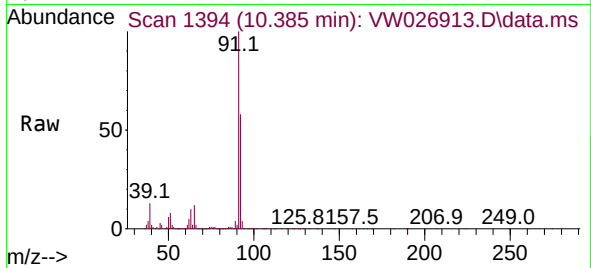




#42
Toluene
Concen: 21.746 ug/L
RT: 10.385 min Scan# 1394
Delta R.T. -0.000 min
Lab File: VW026913.D
Acq: 25 Aug 2023 23:27

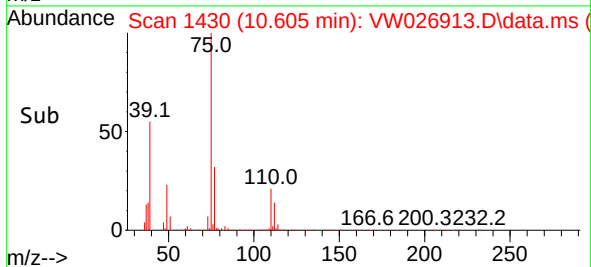
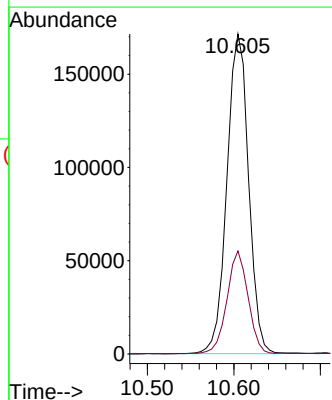
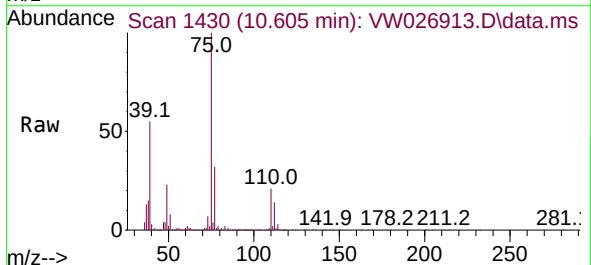
Instrument :
MSVOA_W
ClientSampleId :

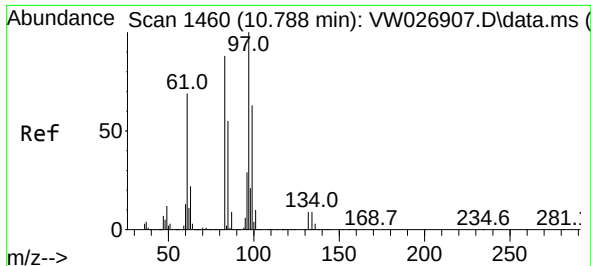
Tgt Ion: 91 Resp: 814724
Ion Ratio Lower Upper
91 100
92 58.0 40.8 75.8



#44
trans-1,3-Dichloropropene
Concen: 23.731 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VW026913.D
Acq: 25 Aug 2023 23:27

Tgt Ion: 75 Resp: 298084
Ion Ratio Lower Upper
75 100
77 32.2 21.2 39.4





#45

1,1,2-Trichloroethane

Concen: 22.441 ug/L

RT: 10.788 min Scan# 1460

Delta R.T. -0.000 min

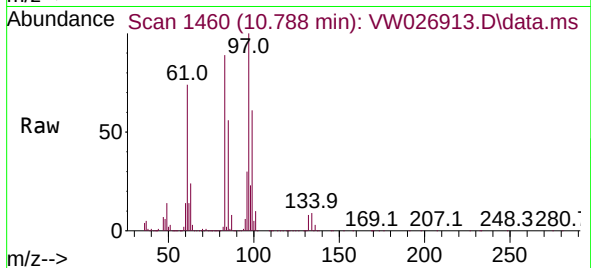
Lab File: VW026913.D

Acq: 25 Aug 2023 23:27

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion: 97 Resp: 155690

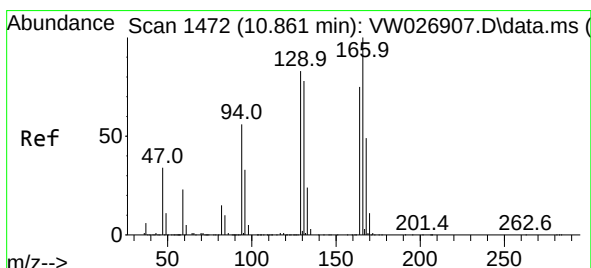
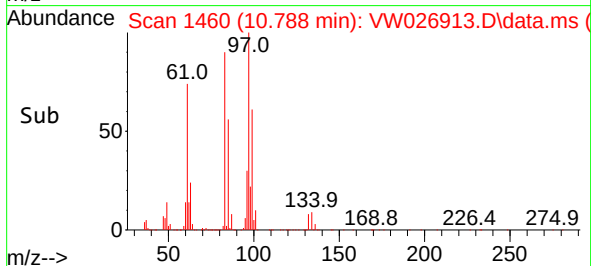
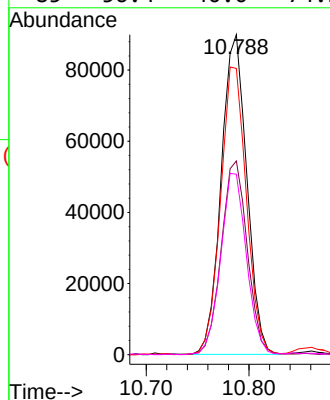
Ion Ratio Lower Upper

97 100

99 60.5 44.2 82.0

83 89.4 61.9 114.9

85 56.4 40.0 74.2



#46

Tetrachloroethene

Concen: 18.307 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. -0.000 min

Lab File: VW026913.D

Acq: 25 Aug 2023 23:27

Tgt Ion:164 Resp: 125452

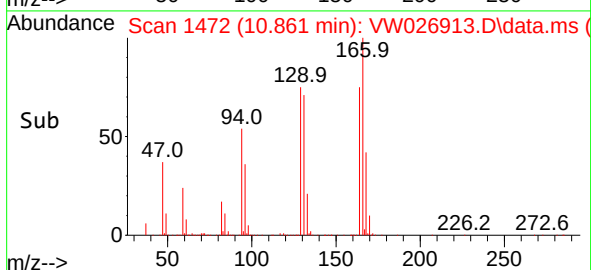
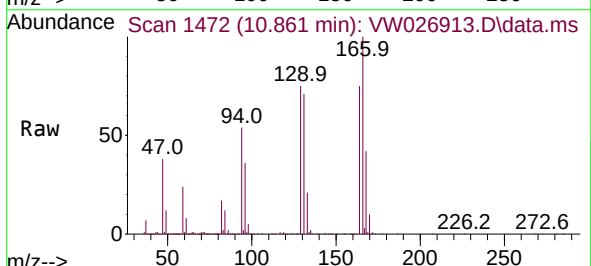
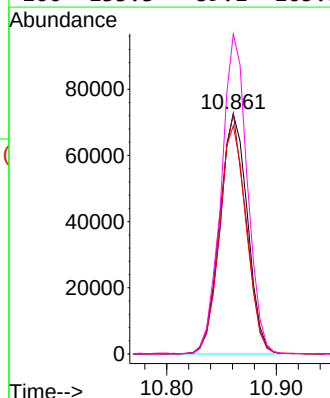
Ion Ratio Lower Upper

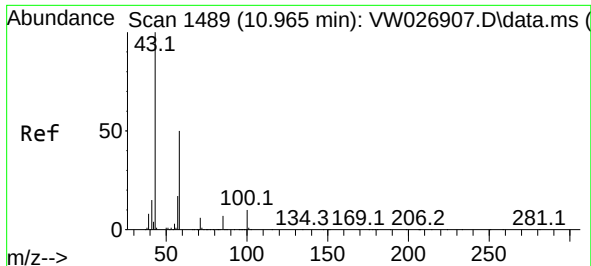
164 100

129 100.3 68.1 126.5

131 95.1 65.5 121.7

166 133.3 89.1 165.5

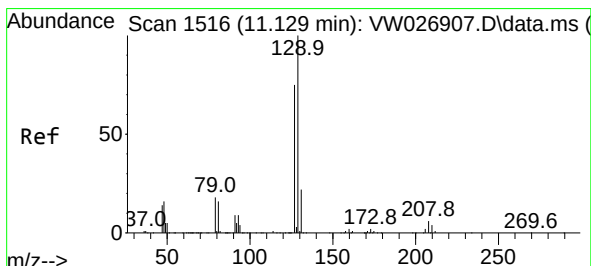
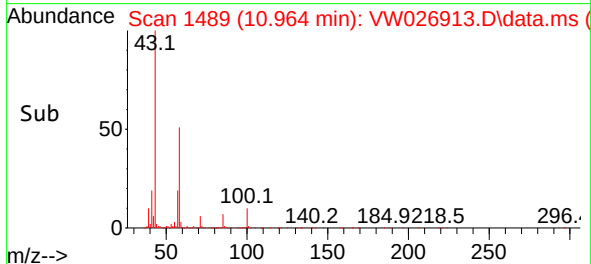
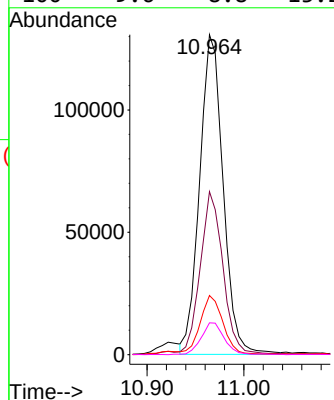
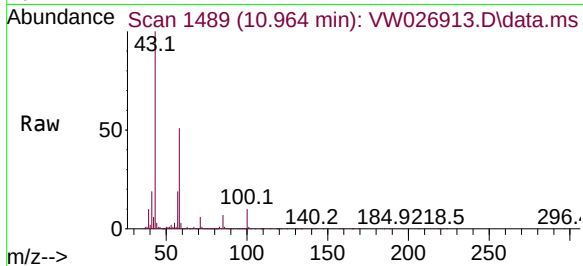




#48
2-Hexanone
Concen: 49.272 ug/L
RT: 10.964 min Scan# 1489
Delta R.T. -0.000 min
Lab File: VW026913.D
Acq: 25 Aug 2023 23:27

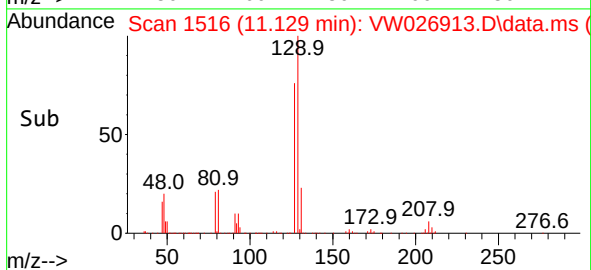
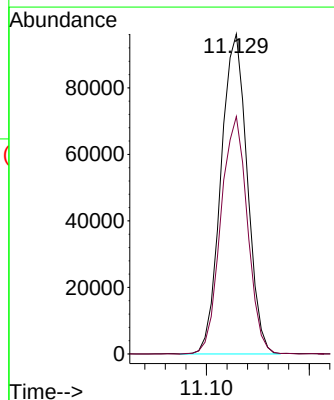
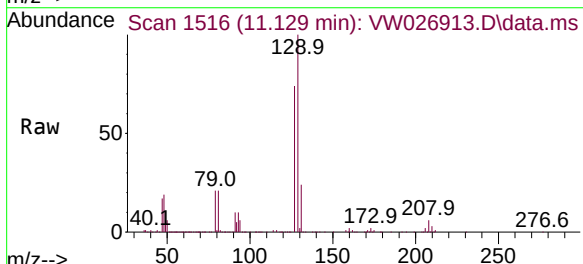
Instrument :
MSVOA_W
ClientSampleId :

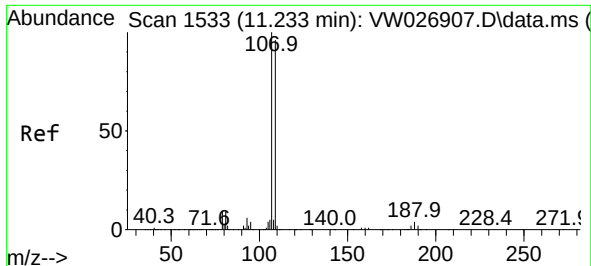
Tgt Ion: 43 Resp: 221232
Ion Ratio Lower Upper
43 100
58 49.1 41.1 61.7
57 17.4 14.3 21.5
100 9.6 8.8 13.2



#49
Dibromochloromethane
Concen: 23.490 ug/L
RT: 11.129 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VW026913.D
Acq: 25 Aug 2023 23:27

Tgt Ion: 129 Resp: 170448
Ion Ratio Lower Upper
129 100
127 74.2 56.6 105.2





#50

1,2-Dibromoethane

Concen: 21.072 ug/L

RT: 11.233 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW026913.D

Acq: 25 Aug 2023 23:27

Instrument :

MSVOA_W

ClientSampleId :

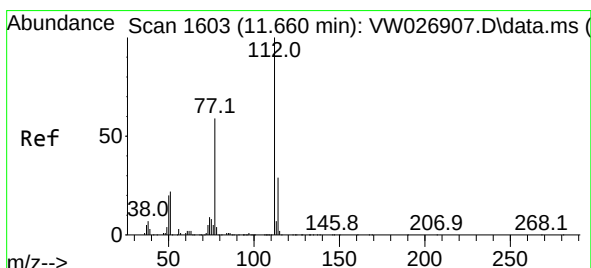
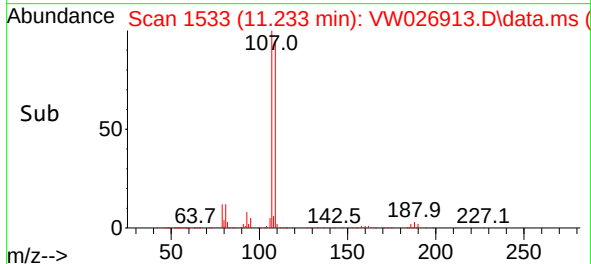
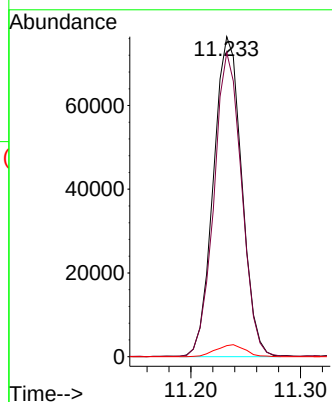
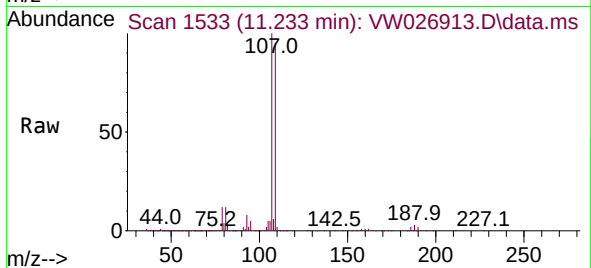
Tgt Ion:107 Resp: 137175

Ion Ratio Lower Upper

107 100

109 95.1 68.8 127.8

188 3.5 2.7 4.1



#51

Chlorobenzene

Concen: 21.166 ug/L

RT: 11.653 min Scan# 1602

Delta R.T. -0.006 min

Lab File: VW026913.D

Acq: 25 Aug 2023 23:27

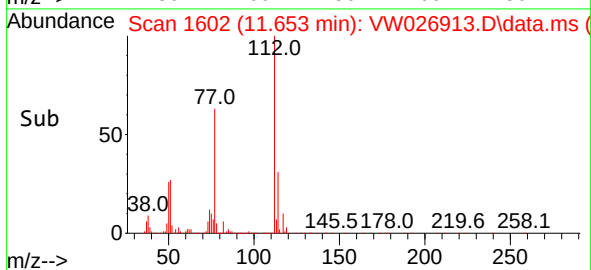
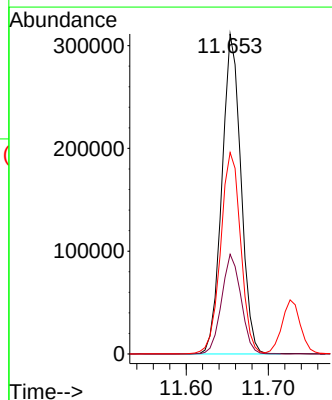
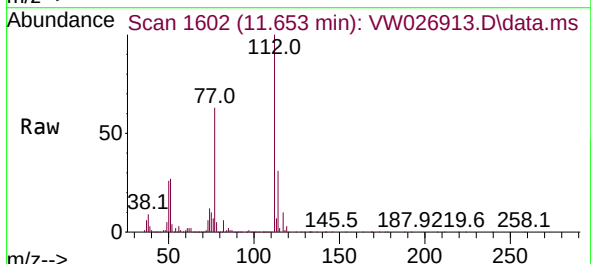
Tgt Ion:112 Resp: 500914

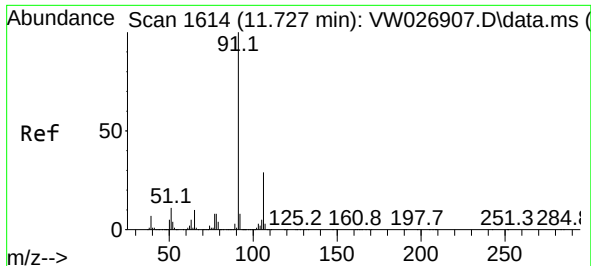
Ion Ratio Lower Upper

112 100

114 31.2 22.4 41.6

77 62.9 50.2 75.2





#52

Ethylbenzene

Concen: 20.765 ug/L

RT: 11.726 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW026913.D

Acq: 25 Aug 2023 23:27

Instrument :

MSVOA_W

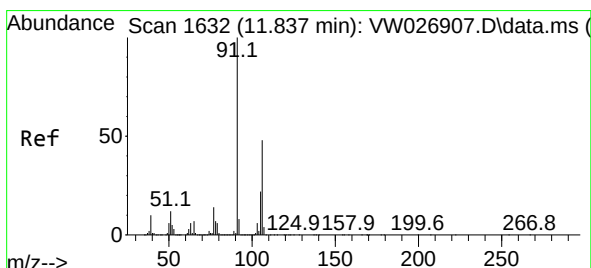
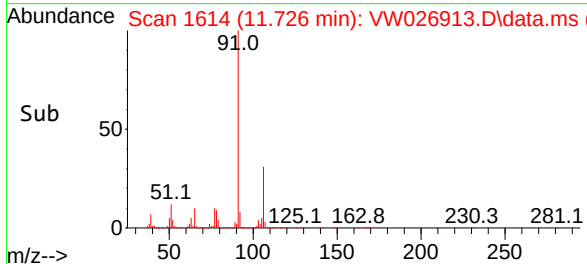
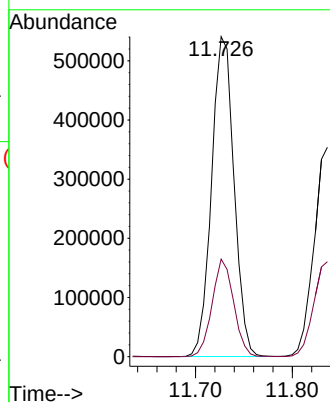
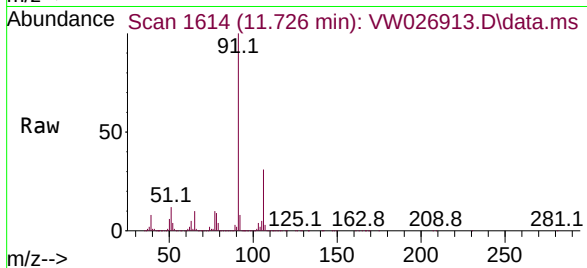
ClientSampleId :

Tgt Ion: 91 Resp: 872414

Ion Ratio Lower Upper

91 100

106 30.5 20.2 37.6



#53

m,p-Xylene

Concen: 19.995 ug/L

RT: 11.836 min Scan# 1632

Delta R.T. -0.000 min

Lab File: VW026913.D

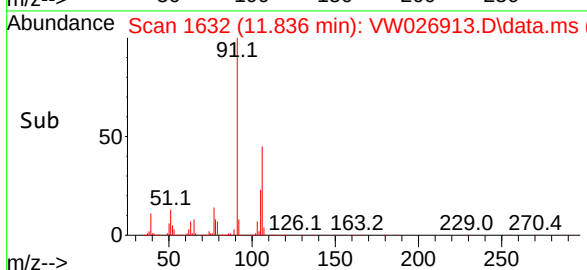
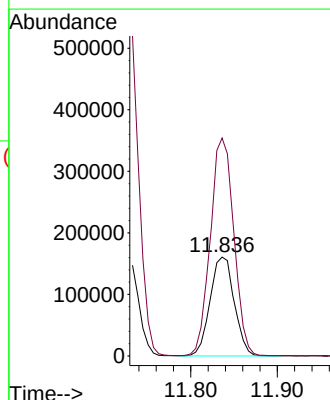
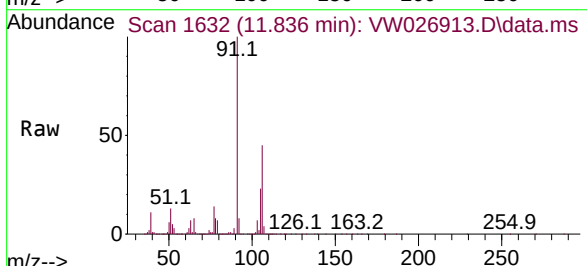
Acq: 25 Aug 2023 23:27

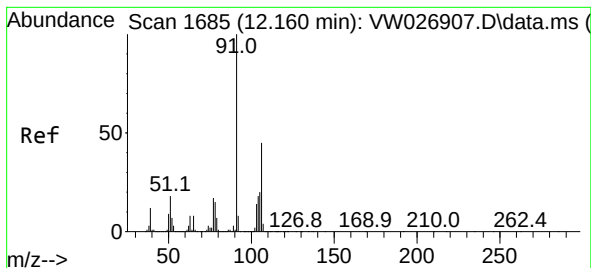
Tgt Ion:106 Resp: 311211

Ion Ratio Lower Upper

106 100

91 220.3 152.9 284.1





#54

o-Xylene

Concen: 22.125 ug/L

RT: 12.165 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW026913.D

Acq: 25 Aug 2023 23:27

Instrument :

MSVOA_W

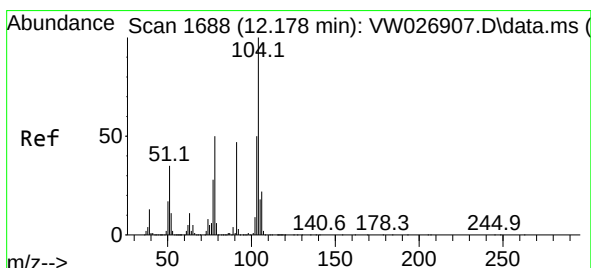
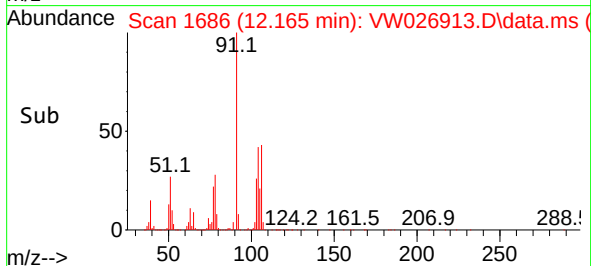
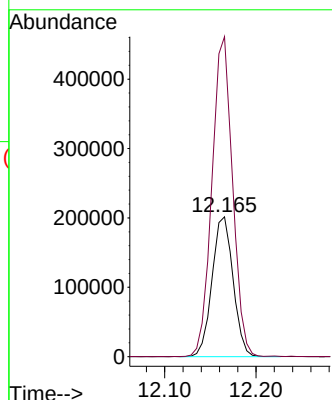
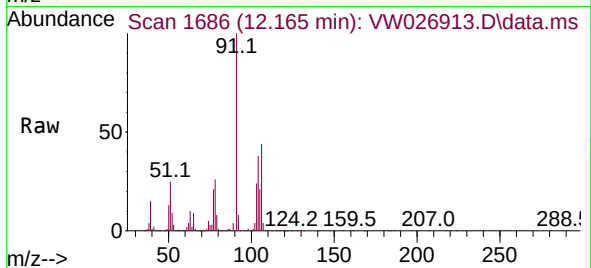
ClientSampleId :

Tgt Ion:106 Resp: 321393

Ion Ratio Lower Upper

106 100

91 228.7 149.9 278.3



#55

Styrene

Concen: 23.023 ug/L

RT: 12.178 min Scan# 1688

Delta R.T. -0.000 min

Lab File: VW026913.D

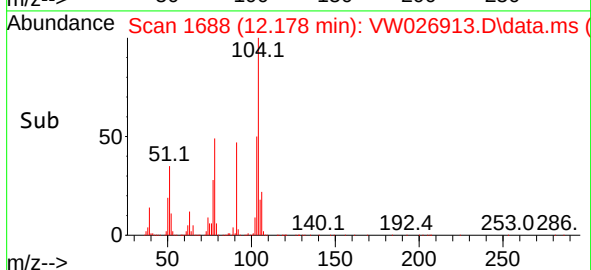
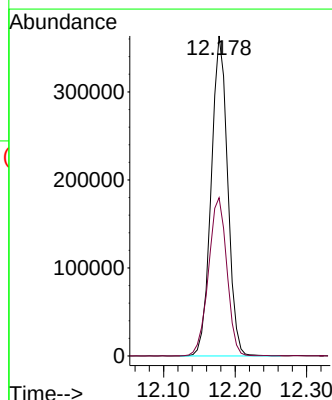
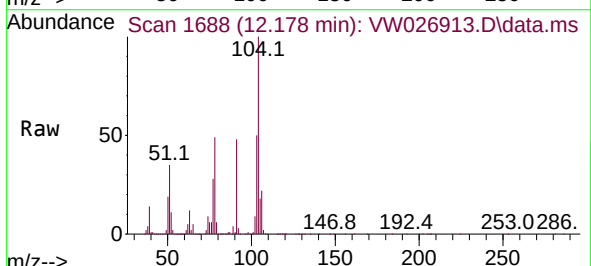
Acq: 25 Aug 2023 23:27

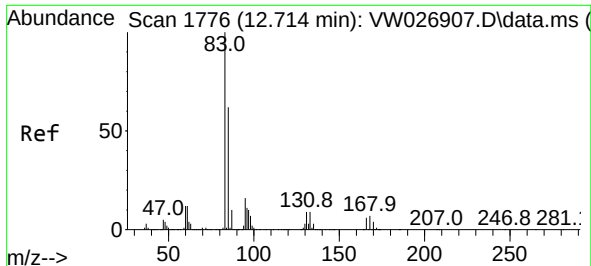
Tgt Ion:104 Resp: 581506

Ion Ratio Lower Upper

104 100

78 49.5 33.0 61.2





#57

1,1,2,2-Tetrachloroethane

Concen: 22.104 ug/L

RT: 12.708 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW026913.D

Acq: 25 Aug 2023 23:27

Instrument :

MSVOA_W

ClientSampleId :

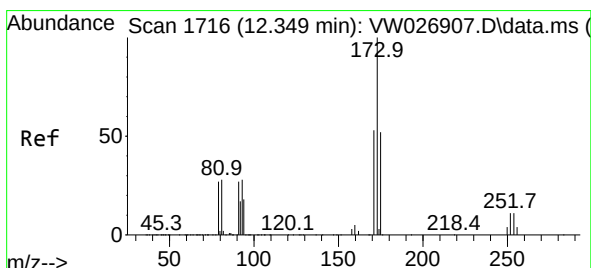
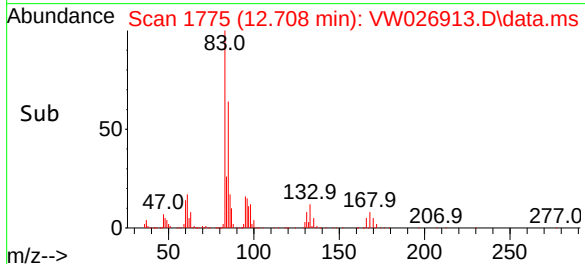
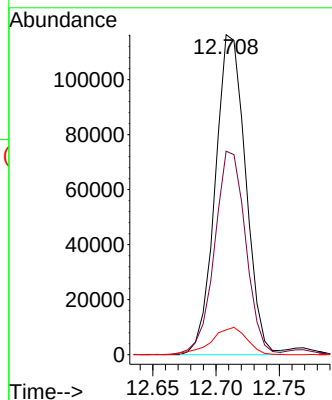
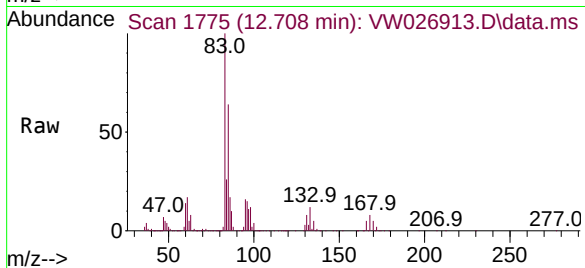
Tgt Ion: 83 Resp: 194218

Ion Ratio Lower Upper

83 100

85 63.6 44.9 83.3

131 7.8 7.4 11.0



#59

Bromoform

Concen: 22.779 ug/L

RT: 12.348 min Scan# 1716

Delta R.T. -0.000 min

Lab File: VW026913.D

Acq: 25 Aug 2023 23:27

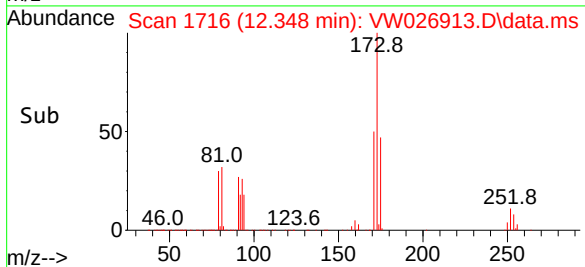
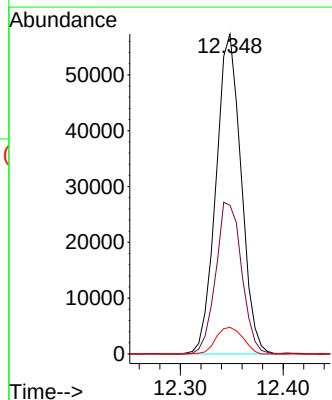
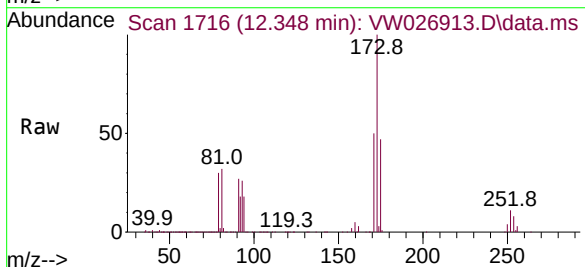
Tgt Ion: 173 Resp: 97300

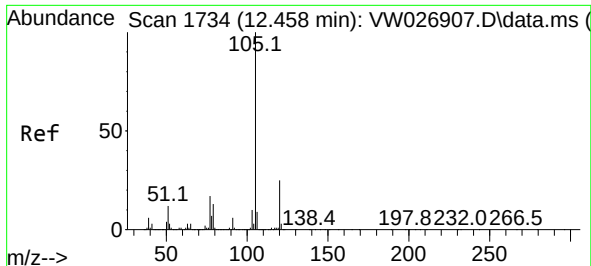
Ion Ratio Lower Upper

173 100

175 48.9 36.6 55.0

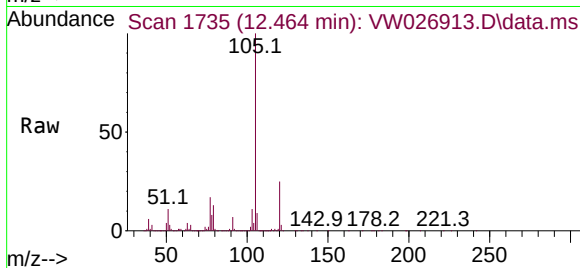
254 8.9 7.8 11.6



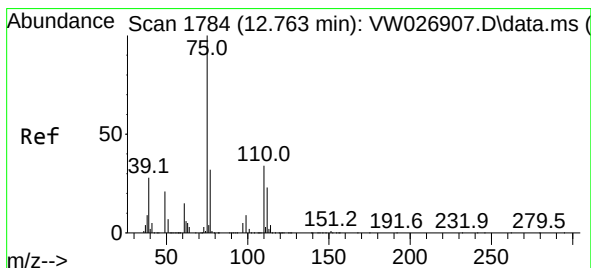
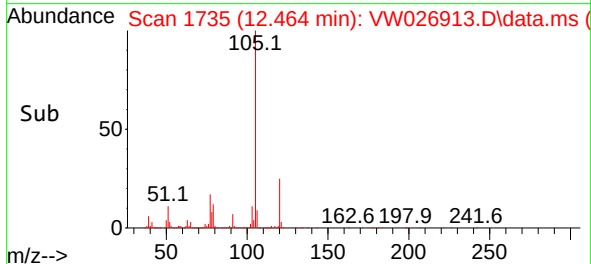
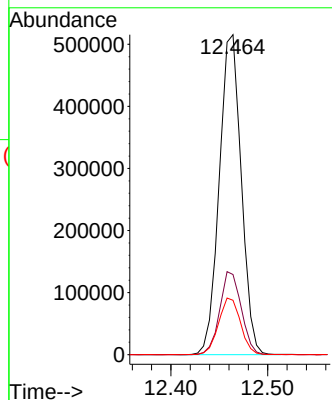


#60
Isopropylbenzene
Concen: 20.022 ug/L
RT: 12.464 min Scan# 1735
Delta R.T. 0.006 min
Lab File: VW026913.D
Acq: 25 Aug 2023 23:27

Instrument :
MSVOA_W
ClientSampleId :

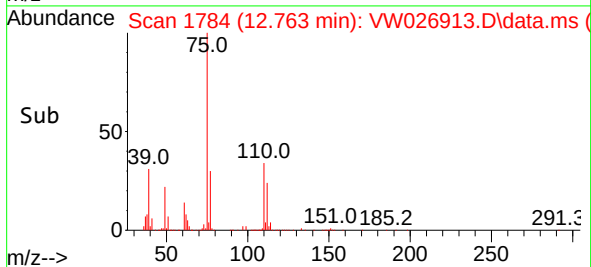
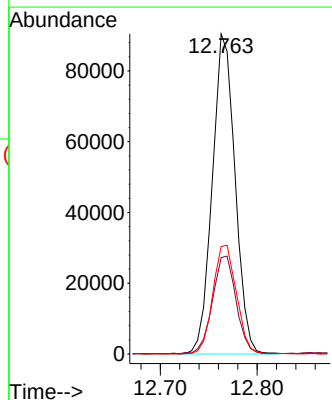
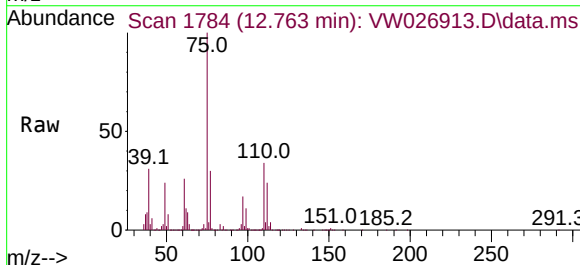


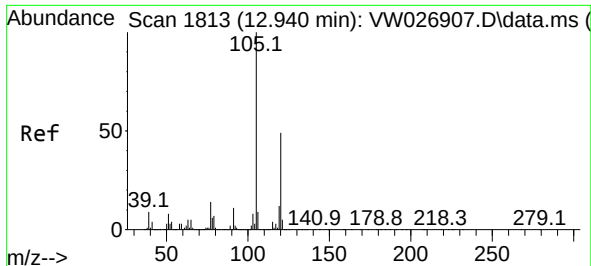
Tgt Ion:105 Resp: 811688
Ion Ratio Lower Upper
105 100
120 25.5 21.0 31.6
77 17.6 13.4 20.2



#61
1,2,3-Trichloropropane
Concen: 22.323 ug/L
RT: 12.763 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VW026913.D
Acq: 25 Aug 2023 23:27

Tgt Ion: 75 Resp: 147653
Ion Ratio Lower Upper
75 100
77 31.7 26.1 39.1
110 35.2 29.9 44.9

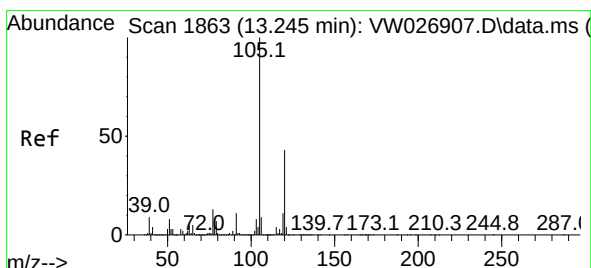
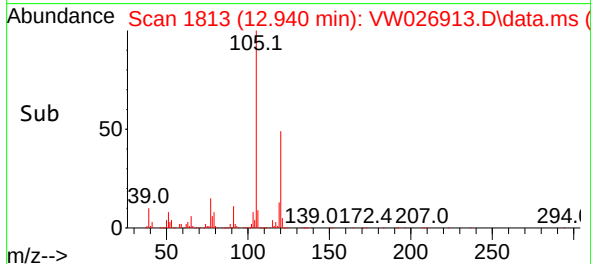
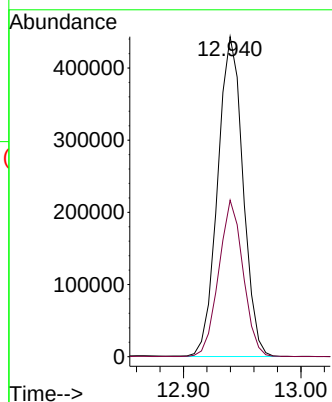
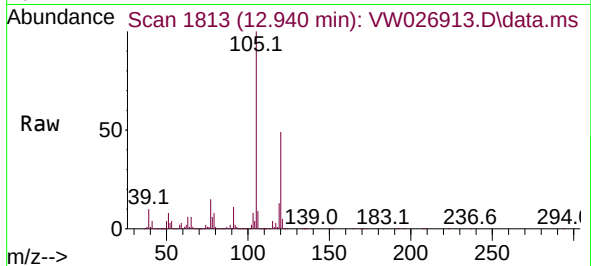




#62
1,3,5-Trimethylbenzene
Concen: 20.765 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW026913.D
Acq: 25 Aug 2023 23:27

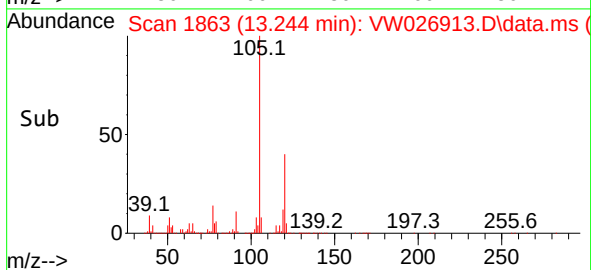
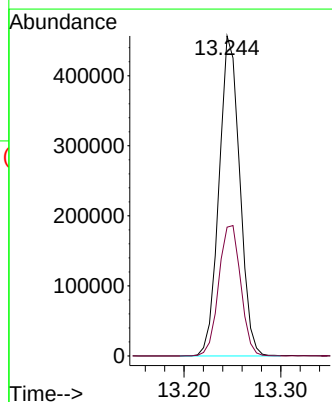
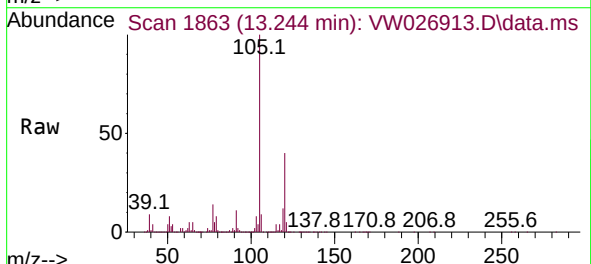
Instrument :
MSVOA_W
ClientSampleId :

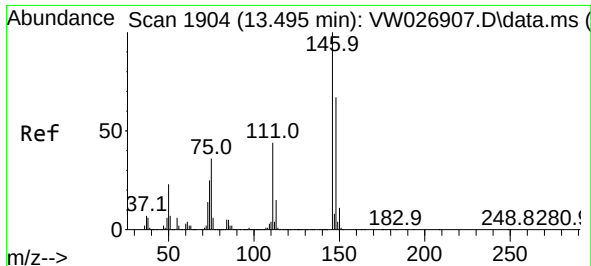
Tgt Ion:105 Resp: 665370
Ion Ratio Lower Upper
105 100
120 46.9 37.4 56.2



#63
1,2,4-Trimethylbenzene
Concen: 21.587 ug/L
RT: 13.244 min Scan# 1863
Delta R.T. -0.000 min
Lab File: VW026913.D
Acq: 25 Aug 2023 23:27

Tgt Ion:105 Resp: 677850
Ion Ratio Lower Upper
105 100
120 43.3 36.2 54.4

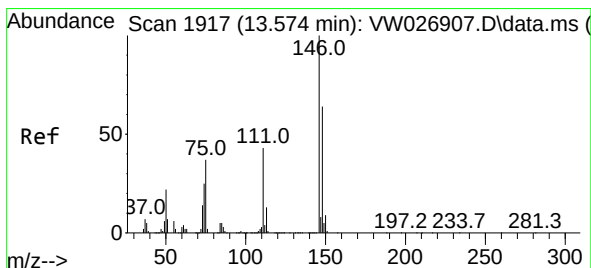
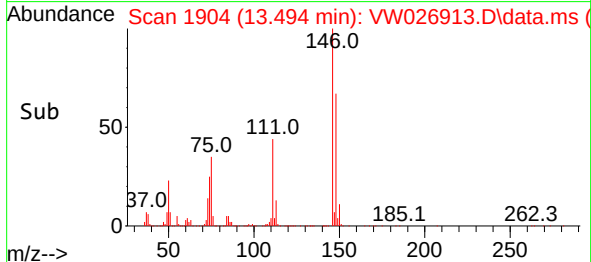
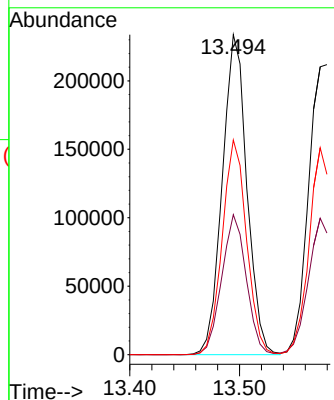
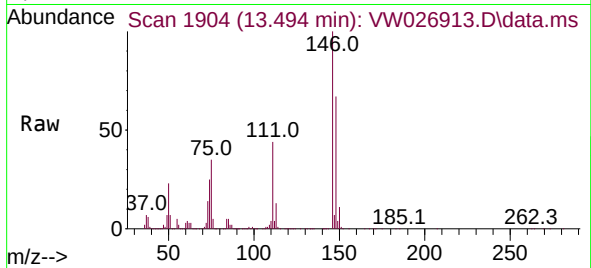




#64
1,3-Dichlorobenzene
Concen: 20.685 ug/L
RT: 13.494 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW026913.D
Acq: 25 Aug 2023 23:27

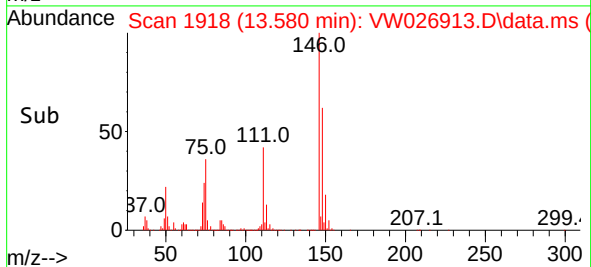
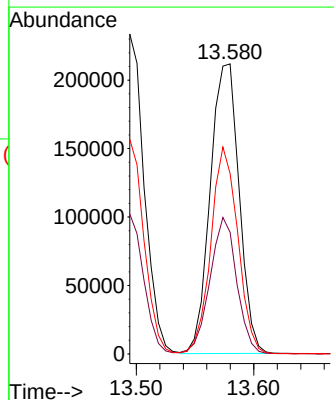
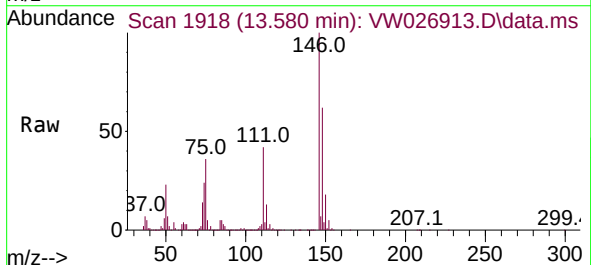
Instrument :
MSVOA_W
ClientSampleId :

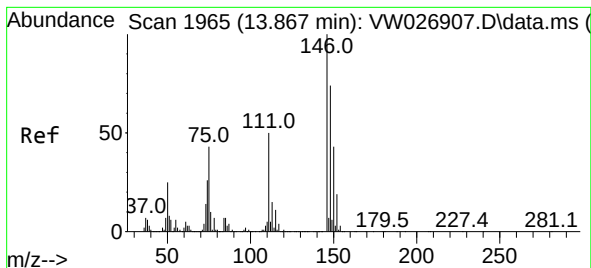
Tgt Ion:146 Resp: 364702
Ion Ratio Lower Upper
146 100
111 43.8 29.1 54.1
148 67.1 38.8 72.0



#65
1,4-Dichlorobenzene
Concen: 19.646 ug/L
RT: 13.580 min Scan# 1918
Delta R.T. 0.006 min
Lab File: VW026913.D
Acq: 25 Aug 2023 23:27

Tgt Ion:146 Resp: 361479
Ion Ratio Lower Upper
146 100
111 41.9 28.3 52.7
148 62.2 44.2 82.2





#67

1,2-Dichlorobenzene

Concen: 21.273 ug/L

RT: 13.866 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW026913.D

Acq: 25 Aug 2023 23:27

Instrument :

MSVOA_W

ClientSampleId :

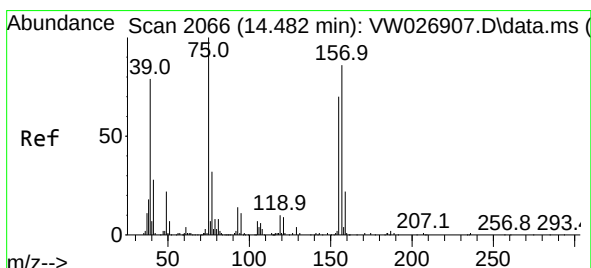
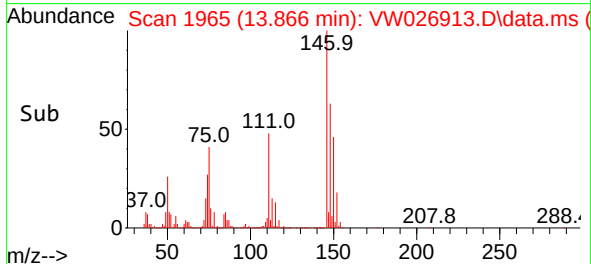
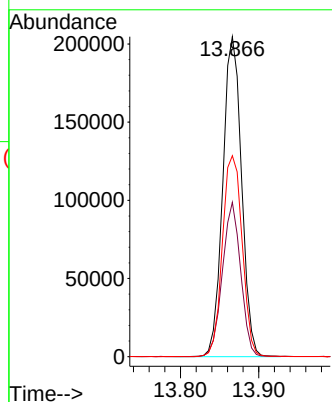
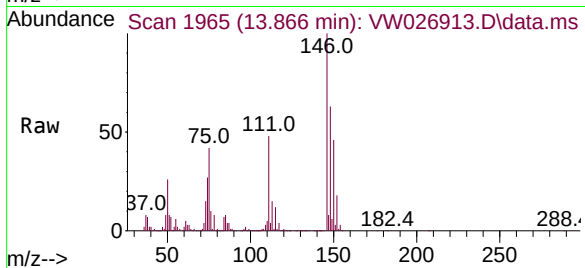
Tgt Ion:146 Resp: 341063

Ion Ratio Lower Upper

146 100

111 48.2 34.6 52.0

148 62.8 53.4 80.0



#68

1,2-Dibromo-3-chloropropane

Concen: 21.690 ug/L

RT: 14.482 min Scan# 2066

Delta R.T. -0.000 min

Lab File: VW026913.D

Acq: 25 Aug 2023 23:27

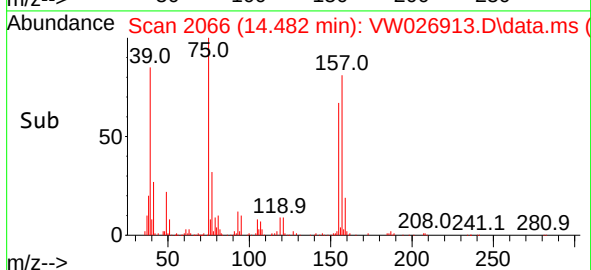
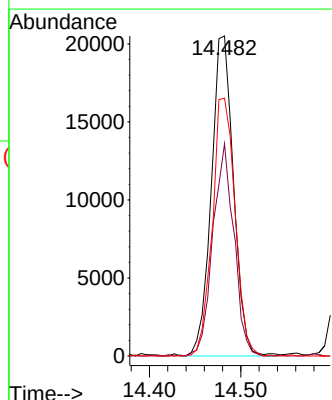
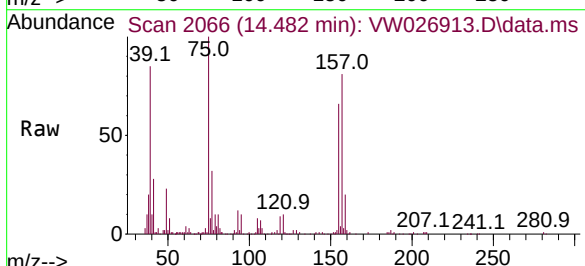
Tgt Ion: 75 Resp: 34586

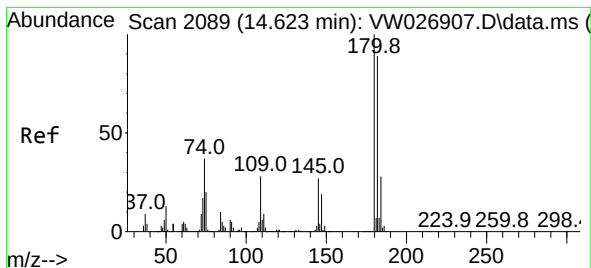
Ion Ratio Lower Upper

75 100

155 66.3 55.0 82.6

157 80.5 77.8 116.6





#69

1,3,5-Trichlorobenzene

Concen: 19.695 ug/L

RT: 14.622 min Scan# 2089

Delta R.T. -0.000 min

Lab File: VW026913.D

Acq: 25 Aug 2023 23:27

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:180 Resp: 234602

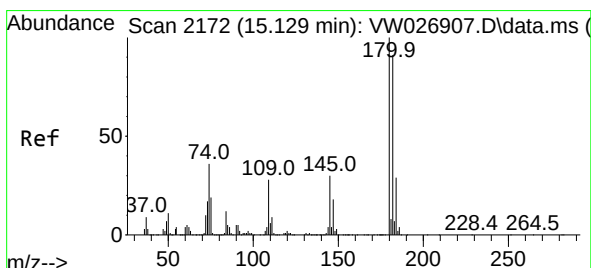
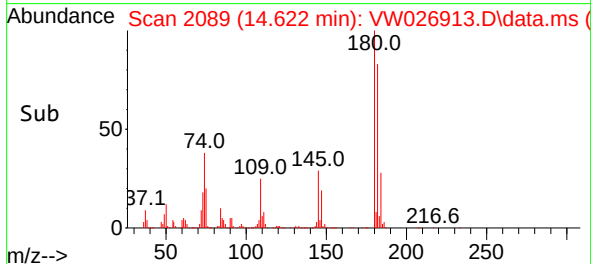
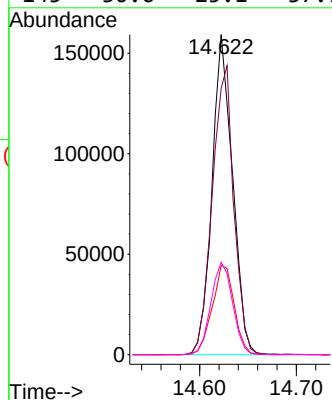
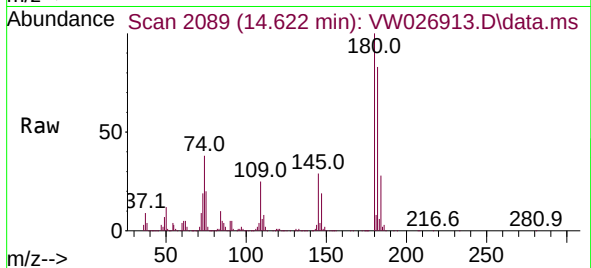
Ion Ratio Lower Upper

180 100

182 94.7 75.2 112.8

184 29.9 23.8 35.8

145 30.6 25.1 37.7



#70

1,2,4-trichlorobenzene

Concen: 21.095 ug/L

RT: 15.128 min Scan# 2172

Delta R.T. -0.000 min

Lab File: VW026913.D

Acq: 25 Aug 2023 23:27

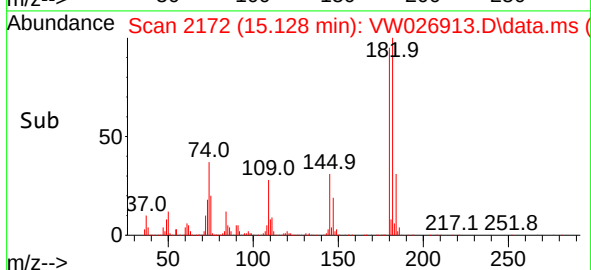
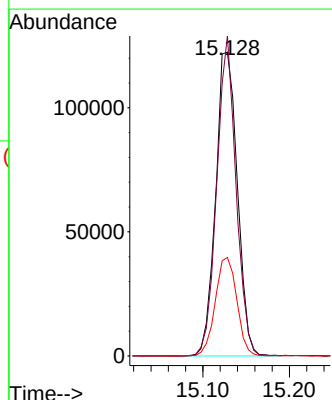
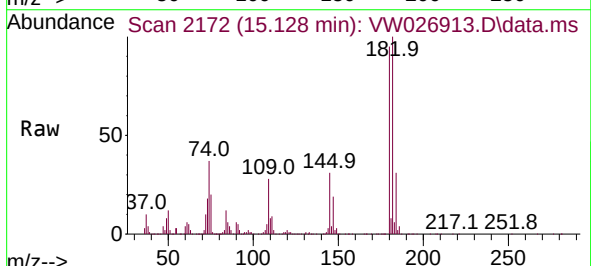
Tgt Ion:180 Resp: 213043

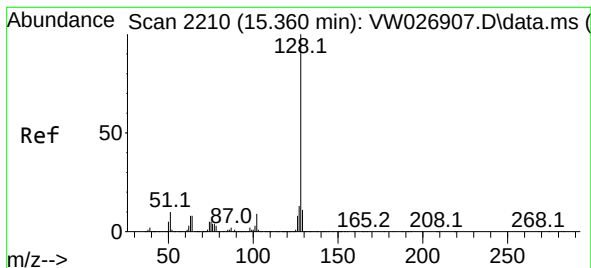
Ion Ratio Lower Upper

180 100

182 93.7 72.5 108.7

145 32.2 24.7 37.1





#71

Naphthalene

Concen: 23.458 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. -0.000 min

Lab File: VW026913.D

Acq: 25 Aug 2023 23:27

Instrument :

MSVOA_W

ClientSampleId :

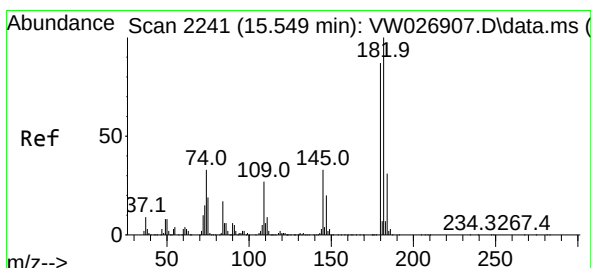
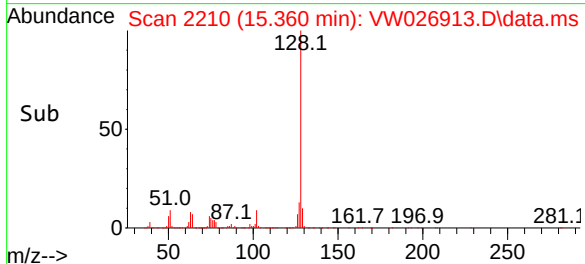
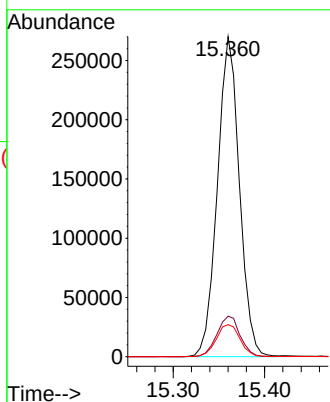
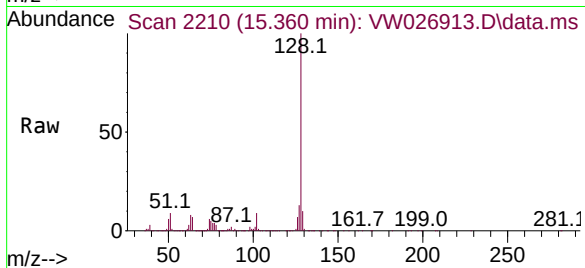
Tgt Ion:128 Resp: 451915

Ion Ratio Lower Upper

128 100

127 13.3 10.7 16.1

129 10.9 9.0 13.4



#72

1,2,3-Trichlorobenzene

Concen: 22.106 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. -0.000 min

Lab File: VW026913.D

Acq: 25 Aug 2023 23:27

Tgt Ion:180 Resp: 201369

Ion Ratio Lower Upper

180 100

182 95.6 74.6 112.0

145 32.9 27.0 40.6

