

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW053023\
 Data File : VW026082.D
 Acq On : 30 May 2023 11:23
 Operator : SY/MD
 Sample : VSTD00562
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD005462

Quant Time: May 31 01:28:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM053023SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed May 31 01:24:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	690242	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	618902	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	303863	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	35715	3.678	ug/L	0.00
7) Chloroethane-d5	2.899	69	29130	4.007	ug/L	0.00
11) 1,1-Dichloroethene-d2	4.021	65	20402	4.261	ug/L	0.00
21) 2-Butanone-d5	7.075	46	24235	8.573	ug/L	0.00
24) Chloroform-d	7.648	84	90381	4.471	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.307	65	49595	4.487	ug/L	0.00
32) Benzene-d6	8.276	84	187542	4.503	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.270	67	58594	4.441	ug/L	0.00
41) Toluene-d8	10.325	98	163457	4.426	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.575	79	22783	4.358	ug/L	0.00
47) 2-Hexanone-d5	10.922	63	16446	7.905	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.690	84	43441	4.525	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.848	152	53970	4.640	ug/L	0.00
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.027	85	31858	3.841	ug/L #	72
3) Chloromethane	2.222	50	47569	4.384	ug/L	97
5) Vinyl chloride	2.375	62	53063	4.575	ug/L	96
6) Bromomethane	2.783	94	30038	4.751	ug/L	94
8) Chloroethane	2.930	64	29509	4.709	ug/L	98
9) Trichlorofluoromethane	3.265	101	37239	4.991	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	4.076	101	42589	4.680	ug/L #	73
12) 1,1-Dichloroethene	4.045	96	43839	4.988	ug/L	83
13) Acetone	4.118	43	24593	11.243	ug/L	96
14) Carbon disulfide	4.393	76	160110	5.161	ug/L	98
15) Methyl Acetate	4.673	43	23604	4.808	ug/L	98
16) Methylene chloride	4.917	84	58948	5.351	ug/L	99
17) trans-1,2-Dichloroethene	5.429	96	49244	4.994	ug/L	96
18) Methyl tert-butyl Ether	5.423	73	73803	4.749	ug/L #	90
19) 1,1-Dichloroethane	6.216	63	101326	5.048	ug/L	99
20) cis-1,2-Dichloroethene	7.173	96	52149	4.993	ug/L	93
22) 2-Butanone	7.173	43	29957	9.609	ug/L	97
23) Bromochloromethane	7.514	128	22737	5.105	ug/L	92
25) Chloroform	7.679	83	94378	5.048	ug/L	97
27) 1,2-Dichloroethane	8.398	62	63937	4.958	ug/L	100
29) Cyclohexane	7.959	56	90848	4.755	ug/L	99
30) 1,1,1-Trichloroethane	7.874	97	76777	5.112	ug/L	100
31) Carbon tetrachloride	8.069	117	70005	5.108	ug/L	96
33) Benzene	8.319	78	214802	5.066	ug/L	100
34) Trichloroethene	9.093	95	54560	5.026	ug/L	96
35) Methylcyclohexane	9.337	83	95385	4.965	ug/L	98
37) 1,2-Dichloropropane	9.367	63	58599	5.103	ug/L	99
38) Bromodichloromethane	9.648	83	65241	4.890	ug/L	99
39) cis-1,3-Dichloropropene	10.075	75	81031	4.802	ug/L	99
40) 4-Methyl-2-pentanone	10.209	43	61990	9.156	ug/L	99
42) Toluene	10.386	91	224322	5.173	ug/L	96
44) trans-1,3-Dichloropropene	10.605	75	66784	4.750	ug/L	99

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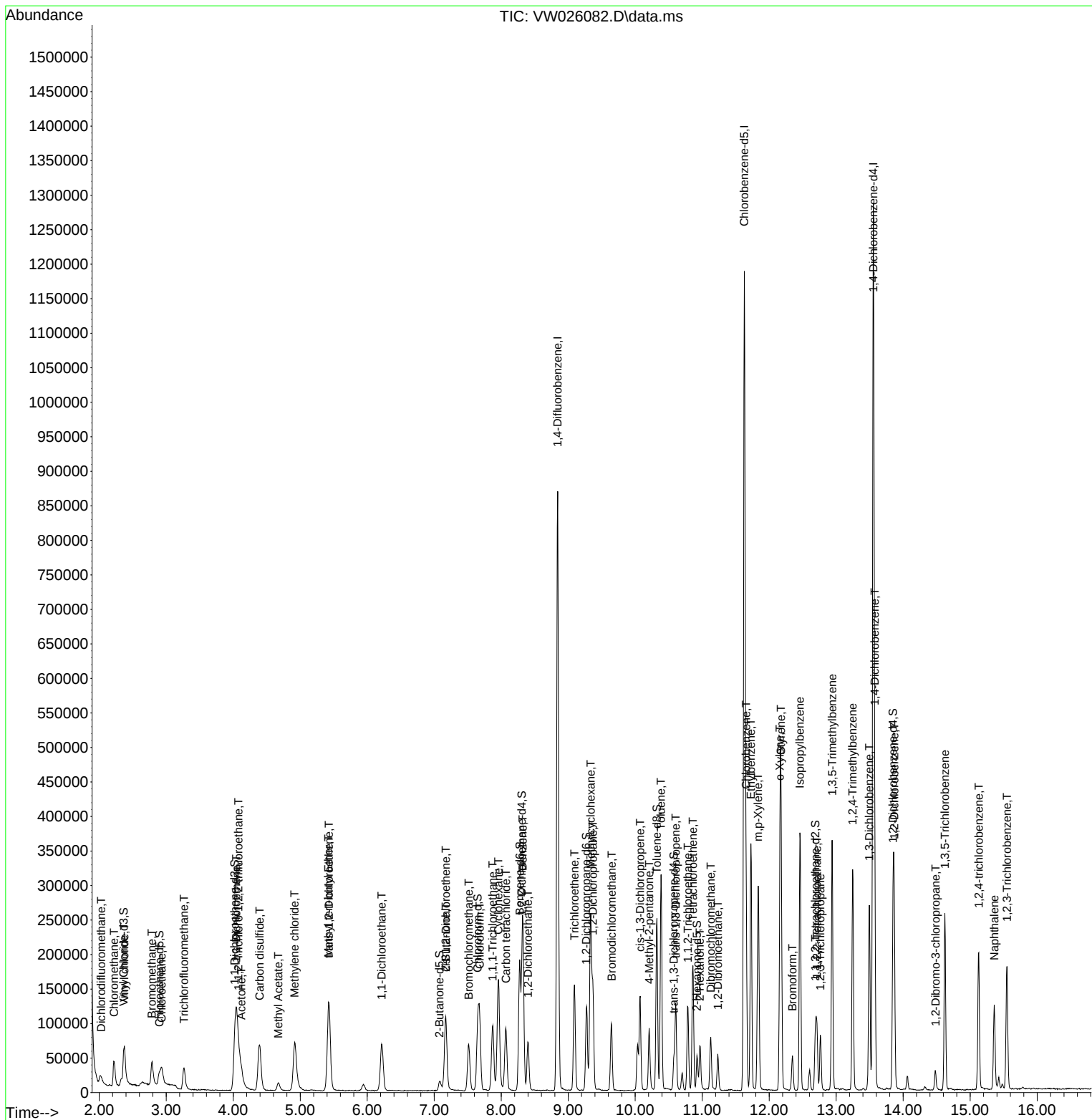
Instrument :
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 ClientSampleId :
 VSTD005462

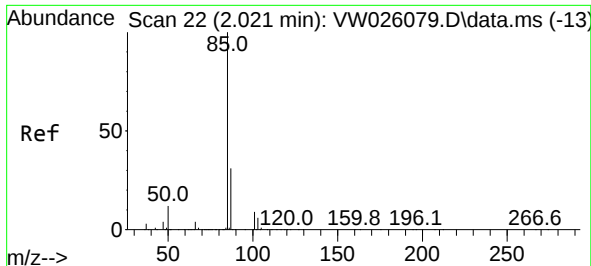
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 Quant Title : SFAM01.0
 QLast Update : Wed May 31 01:24:42 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	10.788	97	38026	5.024	ug/L	97
46) Tetrachloroethene	10.861	164	40401	5.261	ug/L	98
48) 2-Hexanone	10.965	43	44161	9.251	ug/L	98
49) Dibromochloromethane	11.129	129	39126	4.931	ug/L	94
50) 1,2-Dibromoethane	11.233	107	34131	4.871	ug/L	96
51) Chlorobenzene	11.654	112	138468	5.096	ug/L	97
52) Ethylbenzene	11.727	91	245584	5.020	ug/L	99
53) m,p-Xylene	11.837	106	91591	5.033	ug/L	98
54) o-Xylene	12.160	106	86187	5.018	ug/L	99
55) Styrene	12.178	104	148031	5.024	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.714	83	45966	5.019	ug/L	96
59) Bromoform	12.349	173	22217	4.868	ug/L	99
60) Isopropylbenzene	12.458	105	234532	4.913	ug/L	98
61) 1,2,3-Trichloropropane	12.763	75	33678	4.948	ug/L	99
62) 1,3,5-Trimethylbenzene	12.940	105	182482	4.809	ug/L	99
63) 1,2,4-Trimethylbenzene	13.245	105	171345	4.930	ug/L	99
64) 1,3-Dichlorobenzene	13.495	146	103953	5.179	ug/L	95
65) 1,4-Dichlorobenzene	13.574	146	107596	5.325	ug/L	93
67) 1,2-Dichlorobenzene	13.867	146	92953	5.157	ug/L	92
68) 1,2-Dibromo-3-chloropr...	14.482	75	7531	4.776	ug/L	91
69) 1,3,5-Trichlorobenzene	14.623	180	73583	5.337	ug/L	99
70) 1,2,4-trichlorobenzene	15.129	180	61967	5.447	ug/L	94
71) Naphthalene	15.360	128	99351	4.900	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	54389	5.470	ug/L	99

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

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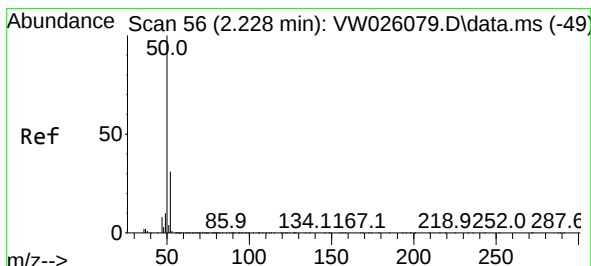
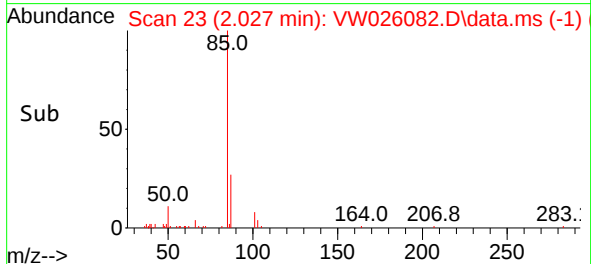
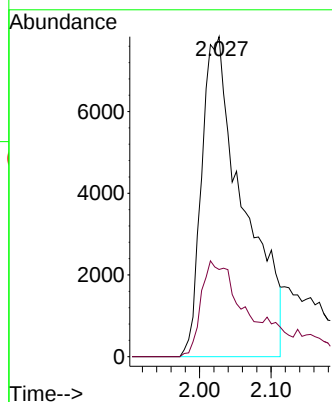
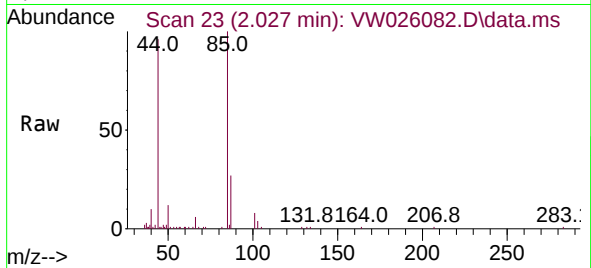




#2
 Dichlorodifluoromethane
 Concen: 3.841 ug/L
 RT: 2.027 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VW026082.D
 Acq: 30 May 2023 11:23

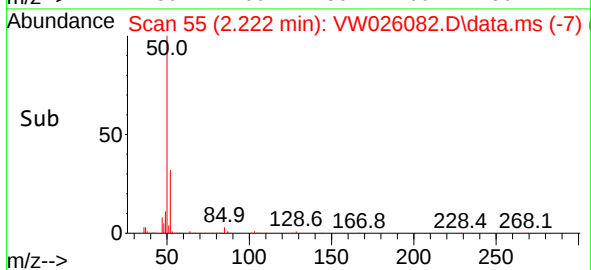
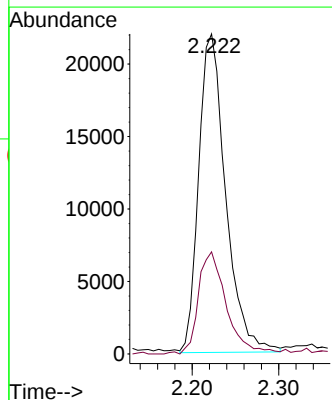
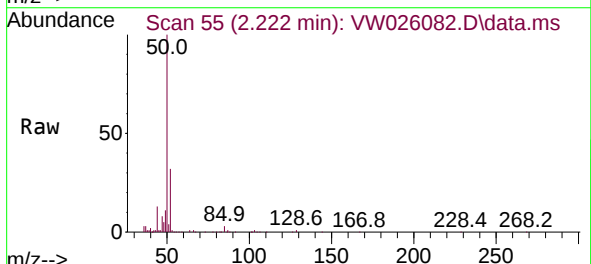
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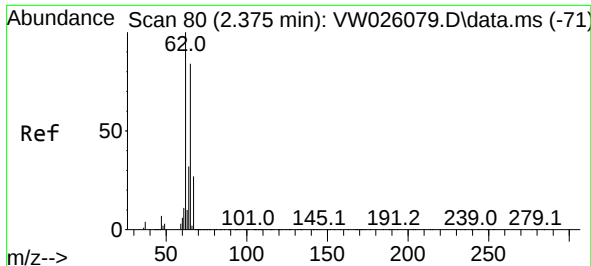
Tgt Ion: 85 Resp: 31858
 Ion Ratio Lower Upper
 85 100
 87 13.2 22.2 33.2#



#3
 Chloromethane
 Concen: 4.384 ug/L
 RT: 2.222 min Scan# 55
 Delta R.T. -0.006 min
 Lab File: VW026082.D
 Acq: 30 May 2023 11:23

Tgt Ion: 50 Resp: 47569
 Ion Ratio Lower Upper
 50 100
 52 31.9 21.3 39.6

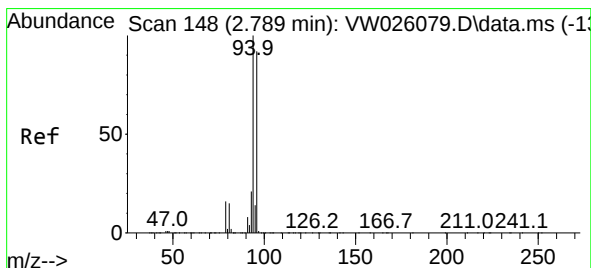
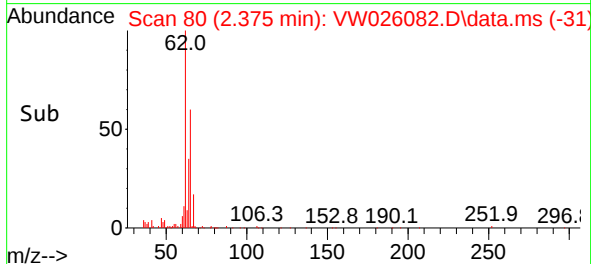
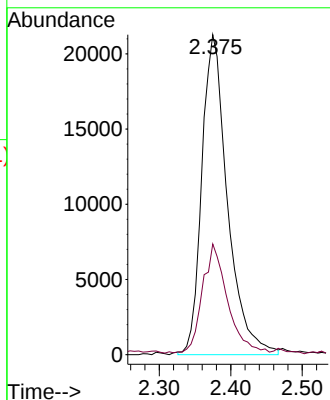
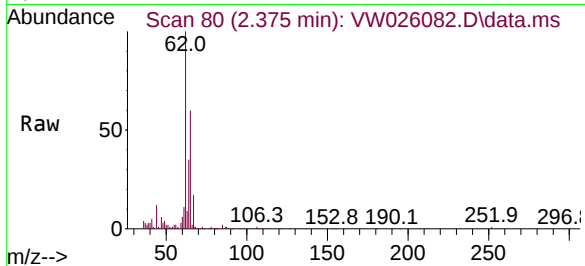




#5
 Vinyl chloride
 Concen: 4.575 ug/L
 RT: 2.375 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: VW026082.D
 Acq: 30 May 2023 11:23

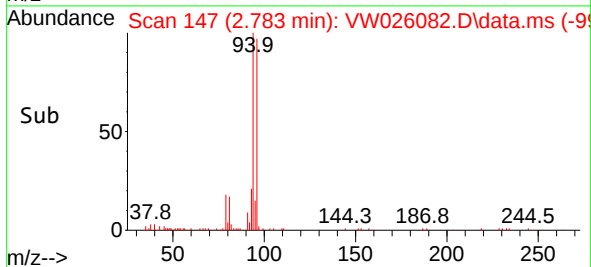
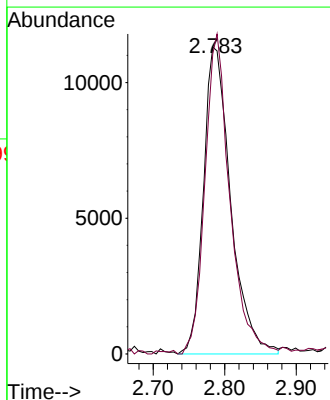
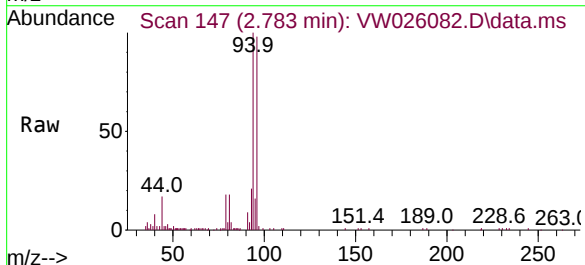
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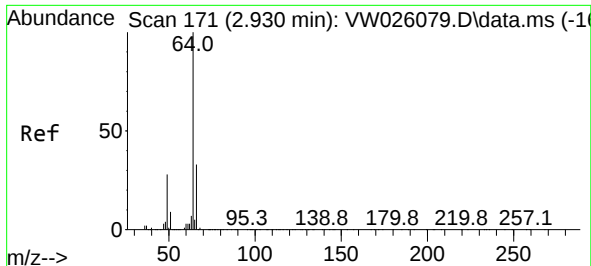
Tgt Ion: 62 Resp: 53063
 Ion Ratio Lower Upper
 62 100
 64 34.6 22.7 42.1



#6
 Bromomethane
 Concen: 4.751 ug/L
 RT: 2.783 min Scan# 147
 Delta R.T. -0.006 min
 Lab File: VW026082.D
 Acq: 30 May 2023 11:23

Tgt Ion: 94 Resp: 30038
 Ion Ratio Lower Upper
 94 100
 96 97.8 64.2 119.2

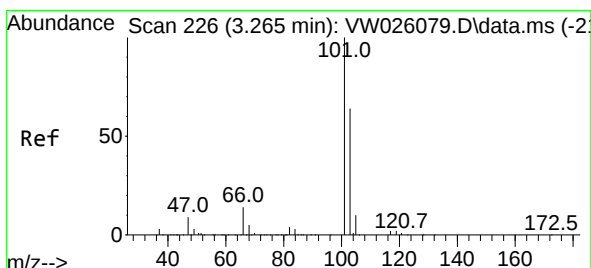
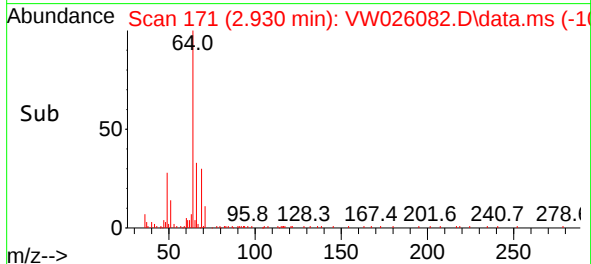
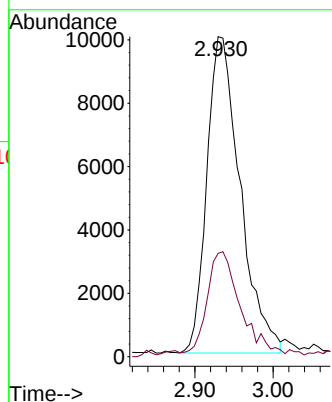
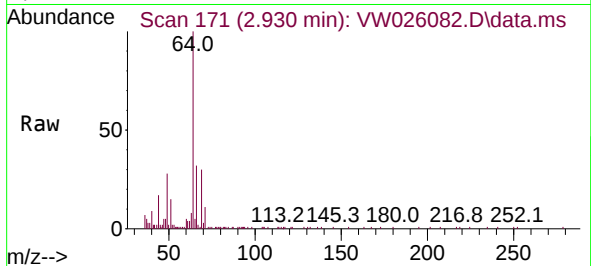




#8
Chloroethane
Concen: 4.709 ug/L
RT: 2.930 min Scan# 171
Delta R.T. 0.000 min
Lab File: VW026082.D
Acq: 30 May 2023 11:23

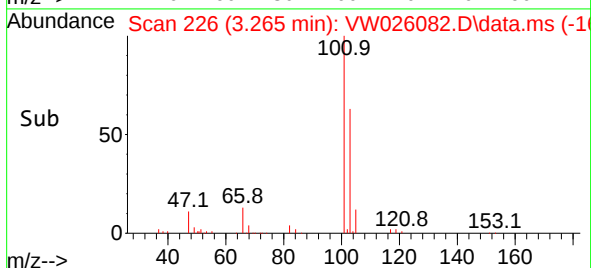
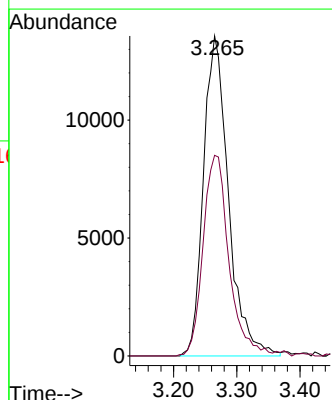
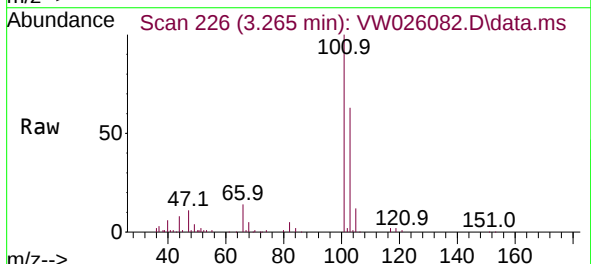
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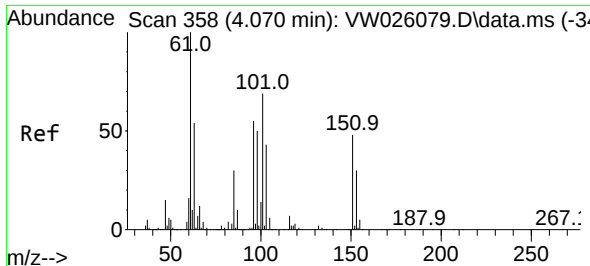
Tgt Ion: 64 Resp: 29509
Ion Ratio Lower Upper
64 100
66 32.3 23.2 43.2



#9
Trichlorofluoromethane
Concen: 4.991 ug/L
RT: 3.265 min Scan# 226
Delta R.T. 0.000 min
Lab File: VW026082.D
Acq: 30 May 2023 11:23

Tgt Ion: 101 Resp: 37239
Ion Ratio Lower Upper
101 100
103 64.9 51.6 77.4

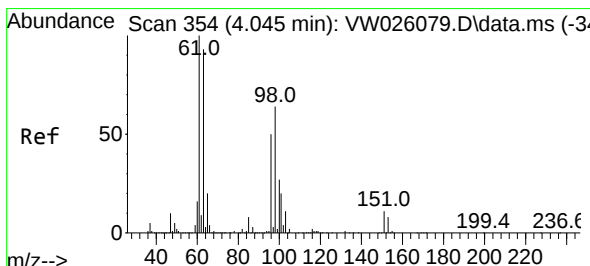
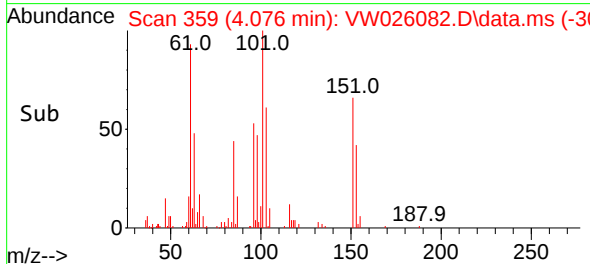
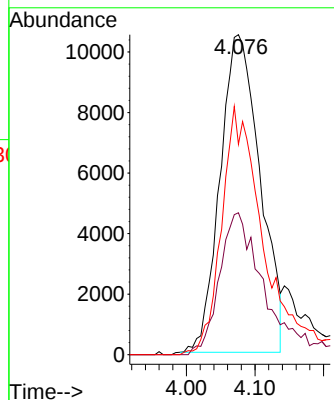
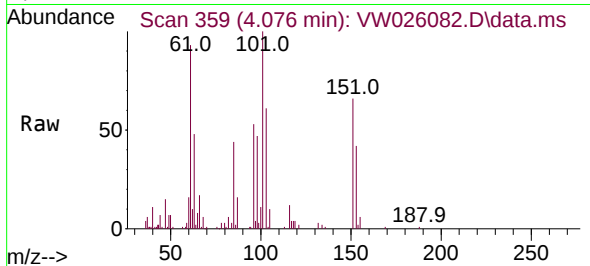




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.680 ug/L
 RT: 4.076 min Scan# 358
 Delta R.T. 0.006 min
 Lab File: VW026082.D
 Acq: 30 May 2023 11:23

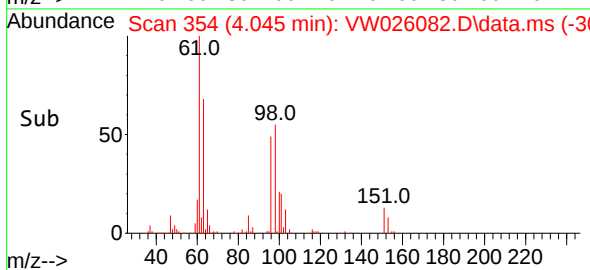
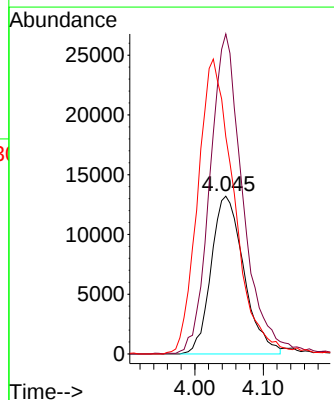
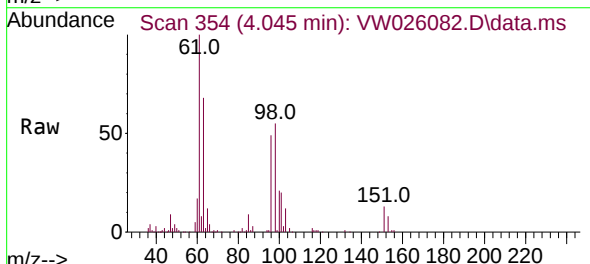
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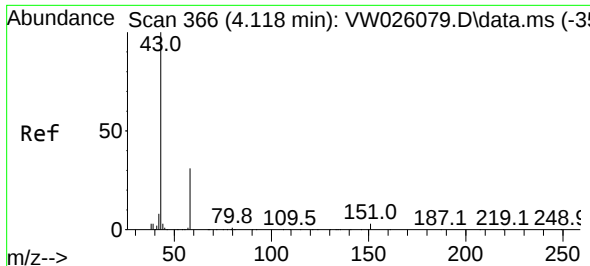
Tgt Ion:101 Resp: 42589
 Ion Ratio Lower Upper
 101 100
 85 47.5 36.1 54.1
 151 34.9 55.1 82.7#



#12
 1,1-Dichloroethene
 Concen: 4.988 ug/L
 RT: 4.045 min Scan# 354
 Delta R.T. 0.000 min
 Lab File: VW026082.D
 Acq: 30 May 2023 11:23

Tgt Ion: 96 Resp: 43839
 Ion Ratio Lower Upper
 96 100
 61 202.9 140.6 261.0
 63 137.8 131.7 244.5

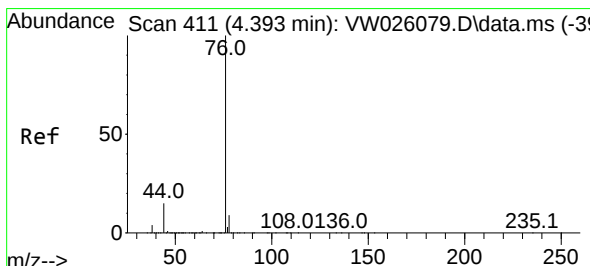
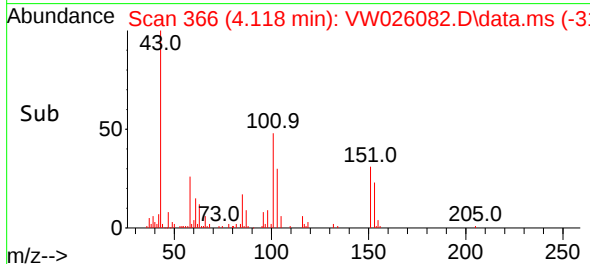
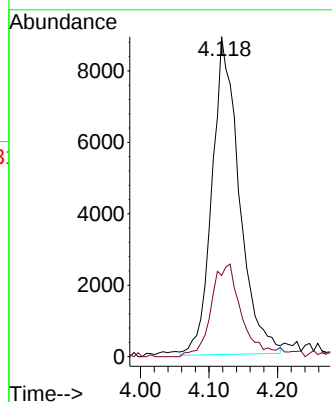
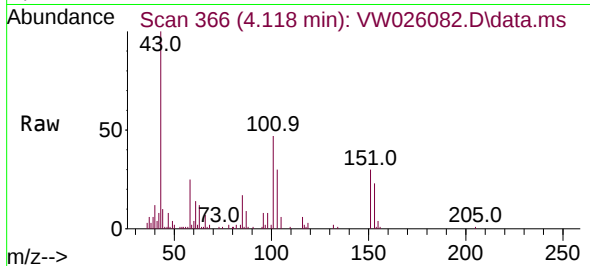




#13
Acetone
Concen: 11.243 ug/L
RT: 4.118 min Scan# 366
Delta R.T. 0.000 min
Lab File: VW026082.D
Acq: 30 May 2023 11:23

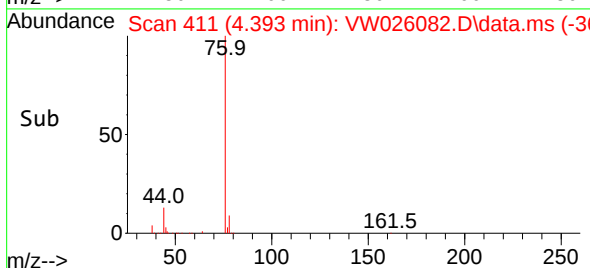
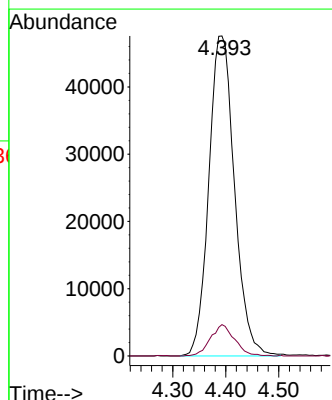
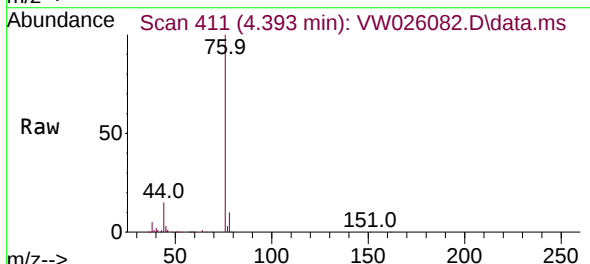
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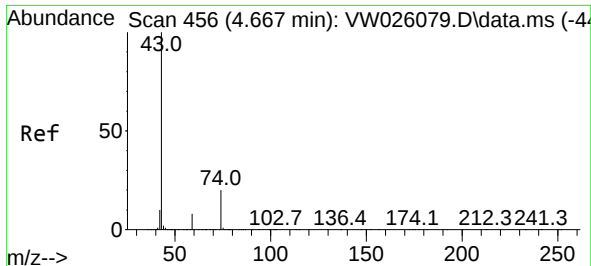
Tgt Ion: 43 Resp: 24593
Ion Ratio Lower Upper
43 100
58 31.1 0.0 58.2



#14
Carbon disulfide
Concen: 5.161 ug/L
RT: 4.393 min Scan# 411
Delta R.T. 0.000 min
Lab File: VW026082.D
Acq: 30 May 2023 11:23

Tgt Ion: 76 Resp: 160110
Ion Ratio Lower Upper
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78 9.8 7.2 10.8

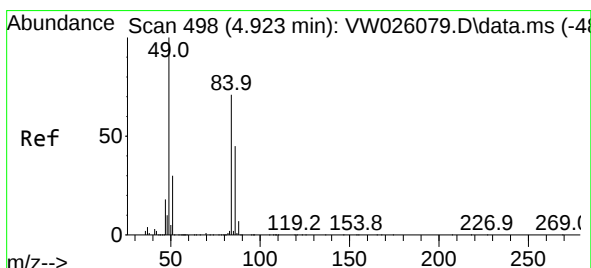
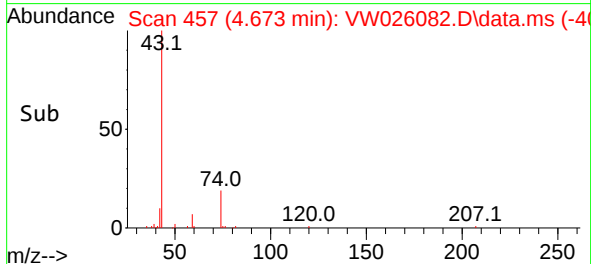
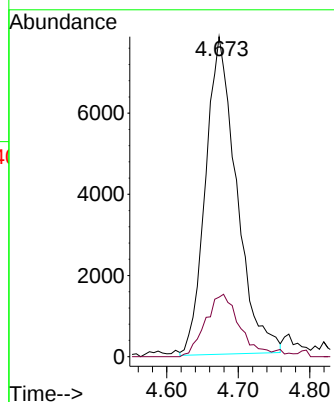
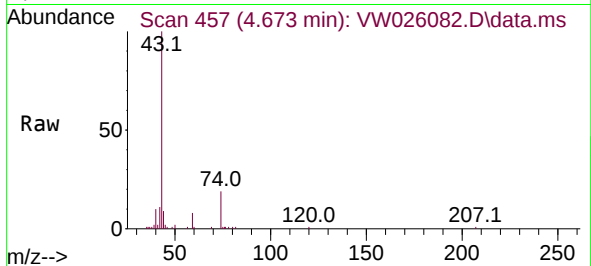




#15
Methyl Acetate
Concen: 4.808 ug/L
RT: 4.673 min Scan# 41
Delta R.T. 0.006 min
Lab File: VW026082.D
Acq: 30 May 2023 11:23

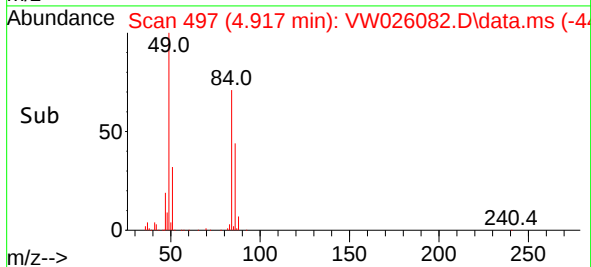
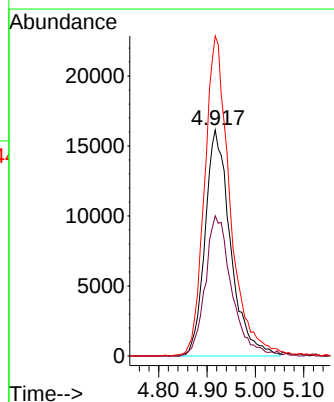
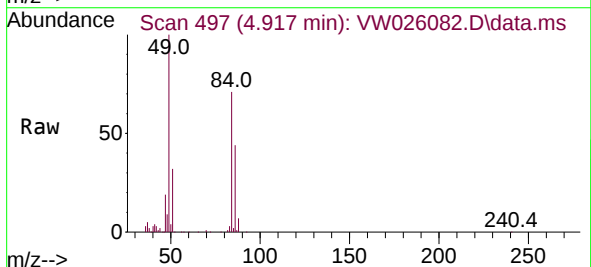
Instrument :
MSVOA_W
ClientSampleId :
VSTD005462

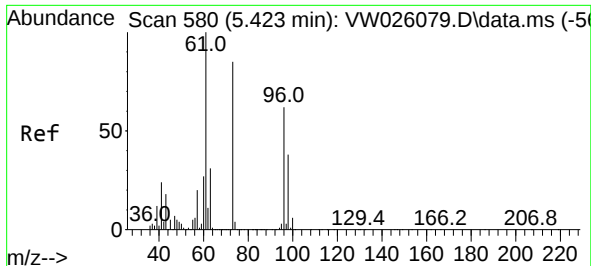
Tgt Ion: 43 Resp: 23604
Ion Ratio Lower Upper
43 100
74 21.5 16.6 25.0



#16
Methylene chloride
Concen: 5.351 ug/L
RT: 4.917 min Scan# 497
Delta R.T. -0.006 min
Lab File: VW026082.D
Acq: 30 May 2023 11:23

Tgt Ion: 84 Resp: 58948
Ion Ratio Lower Upper
84 100
86 62.0 44.2 82.0
49 141.5 98.8 183.6

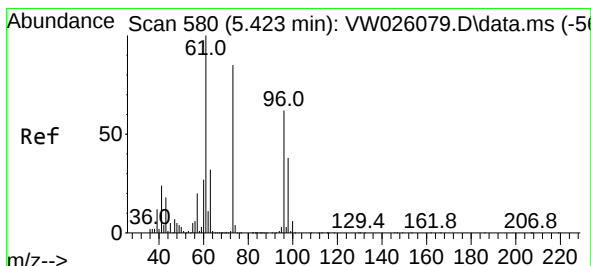
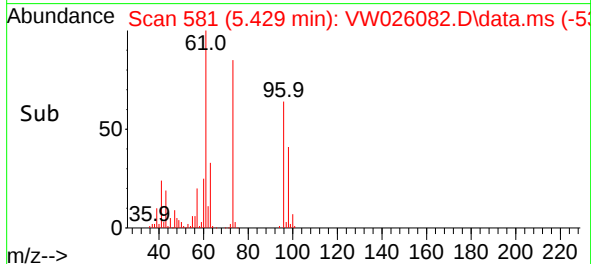
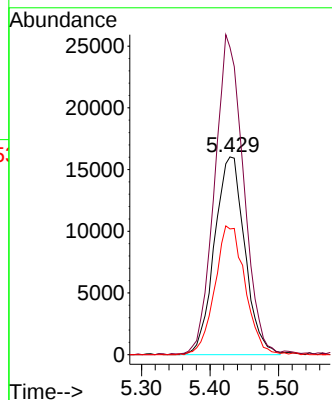
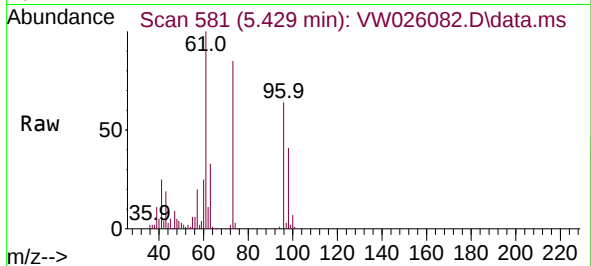




#17
trans-1,2-Dichloroethene
Concen: 4.994 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.006 min
Lab File: VW026082.D
Acq: 30 May 2023 11:23

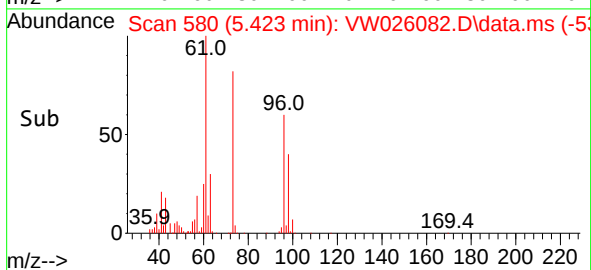
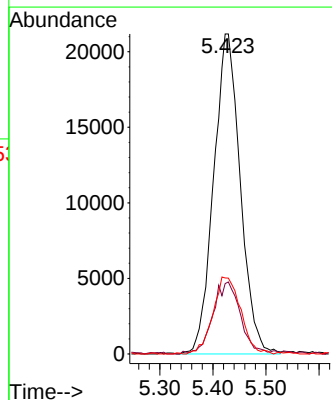
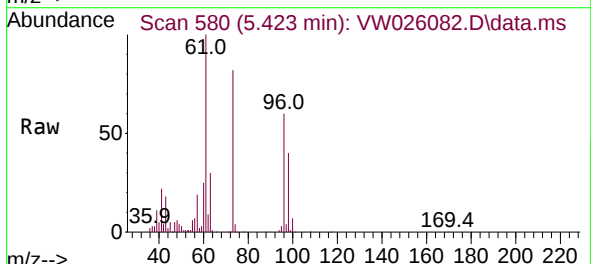
Instrument :
MSVOA_W
ClientSampleId :
VSTD005462

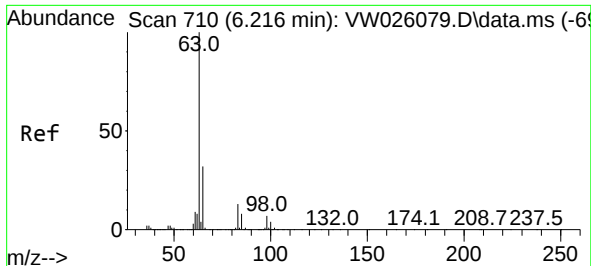
Tgt Ion: 96 Resp: 49244
Ion Ratio Lower Upper
96 100
61 155.5 113.0 209.8
98 63.6 42.5 78.9



#18
Methyl tert-butyl Ether
Concen: 4.749 ug/L
RT: 5.423 min Scan# 580
Delta R.T. 0.000 min
Lab File: VW026082.D
Acq: 30 May 2023 11:23

Tgt Ion: 73 Resp: 73803
Ion Ratio Lower Upper
73 100
43 13.9 17.8 26.6#
57 24.7 18.9 28.3





#19

1,1-Dichloroethane

Concen: 5.048 ug/L

RT: 6.216 min Scan# 710

Delta R.T. 0.000 min

Lab File: VW026082.D

Acq: 30 May 2023 11:23

Instrument :

MSVOA_W

ClientSampleId :

VSTD005462

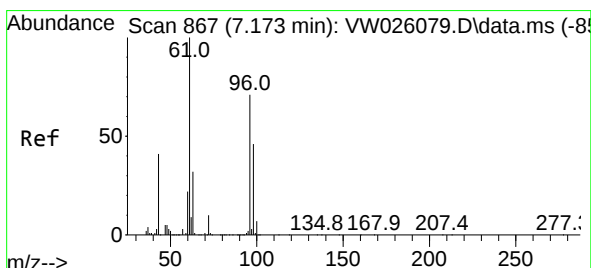
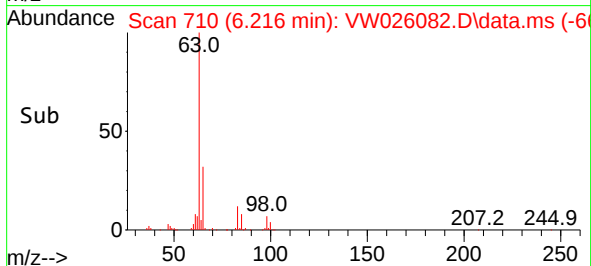
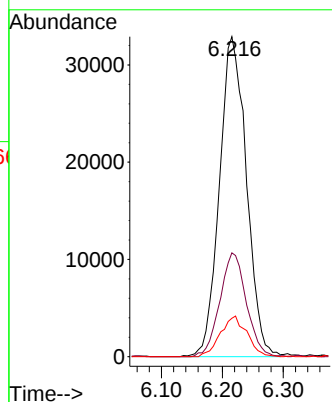
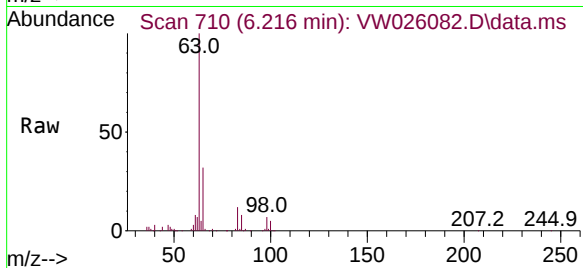
Tgt Ion: 63 Resp: 101326

Ion Ratio Lower Upper

63 100

65 32.5 22.3 41.5

83 12.0 9.1 16.9



#20

cis-1,2-Dichloroethene

Concen: 4.993 ug/L

RT: 7.173 min Scan# 867

Delta R.T. 0.000 min

Lab File: VW026082.D

Acq: 30 May 2023 11:23

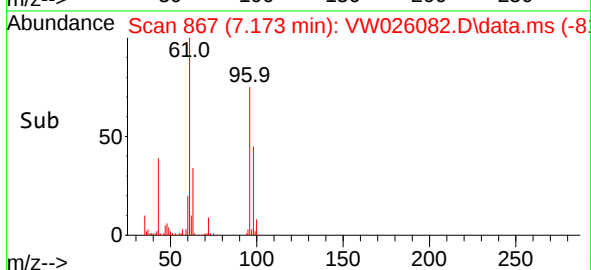
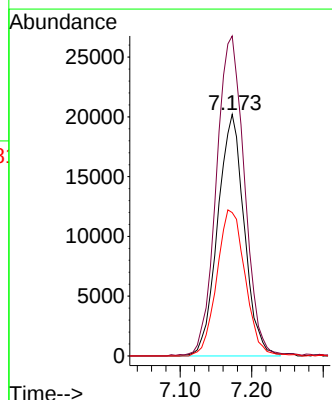
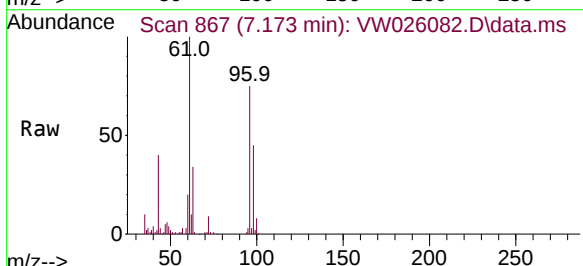
Tgt Ion: 96 Resp: 52149

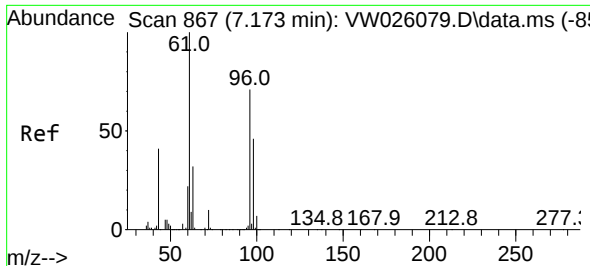
Ion Ratio Lower Upper

96 100

61 132.5 98.4 182.8

98 59.3 45.2 84.0

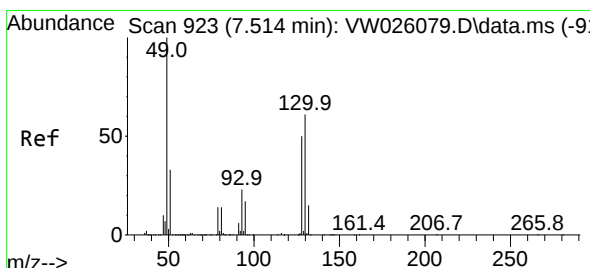
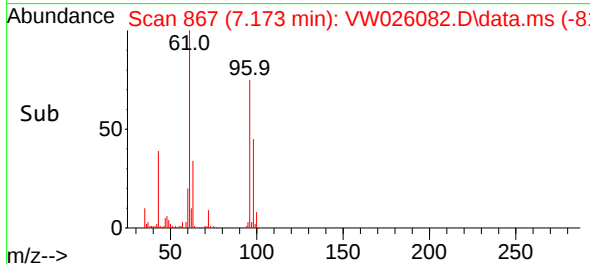
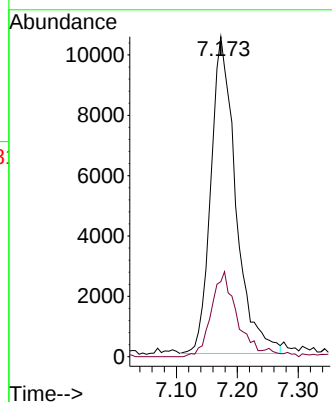
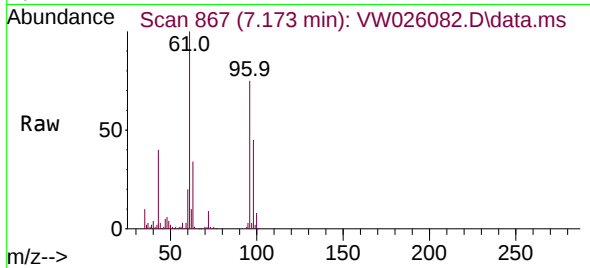




#22
2-Butanone
Concen: 9.609 ug/L
RT: 7.173 min Scan# 867
Delta R.T. 0.000 min
Lab File: VW026082.D
Acq: 30 May 2023 11:23

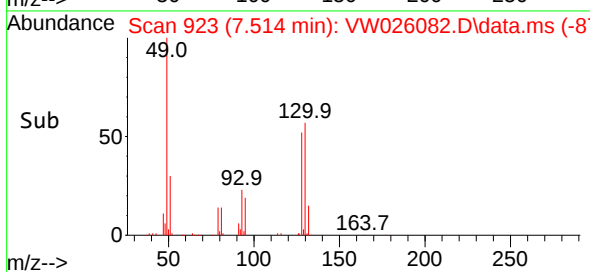
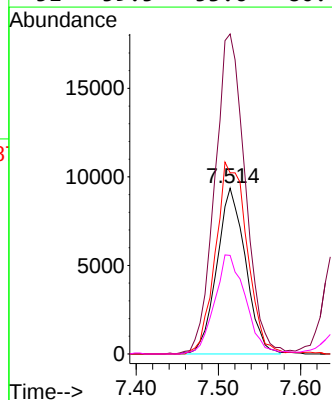
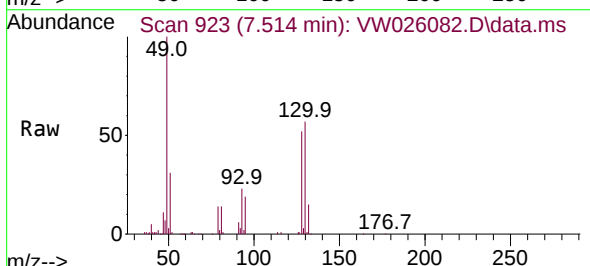
Instrument :
MSVOA_W
ClientSampleId :
VSTD005462

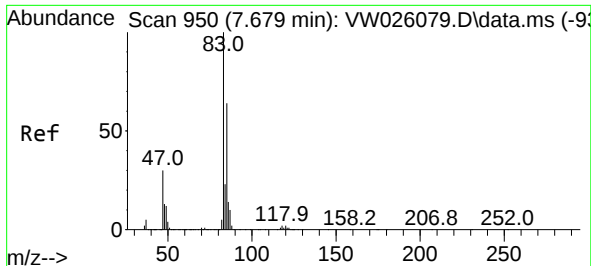
Tgt Ion: 43 Resp: 29957
Ion Ratio Lower Upper
43 100
72 26.5 12.4 37.4



#23
Bromochloromethane
Concen: 5.105 ug/L
RT: 7.514 min Scan# 923
Delta R.T. 0.000 min
Lab File: VW026082.D
Acq: 30 May 2023 11:23

Tgt Ion: 128 Resp: 22737
Ion Ratio Lower Upper
128 100
49 193.1 140.6 261.0
130 109.3 86.0 159.6
51 59.5 53.6 80.4

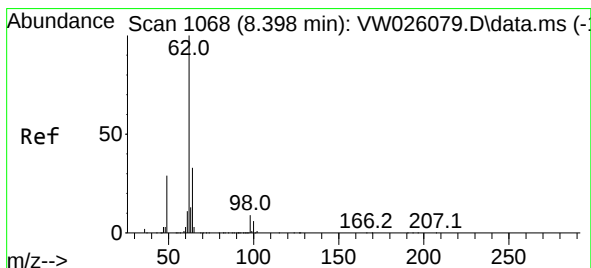
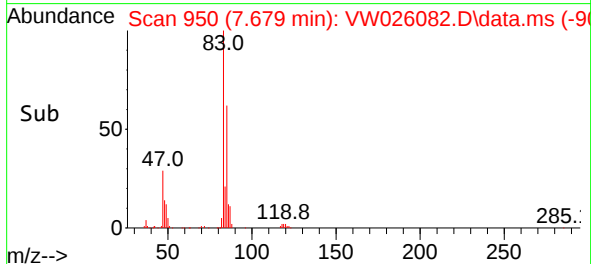
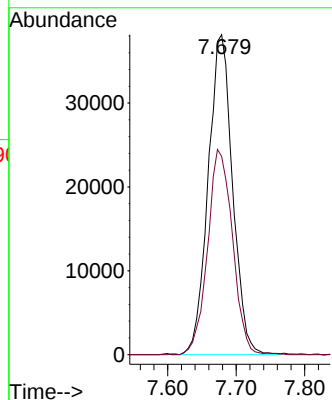
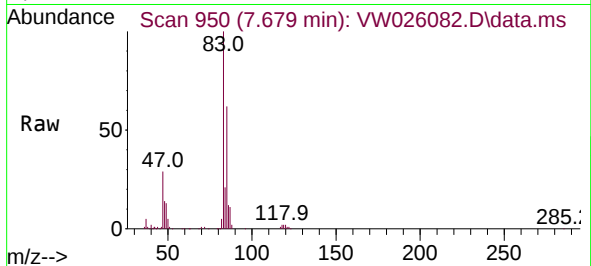




#25
Chloroform
Concen: 5.048 ug/L
RT: 7.679 min Scan# 91
Delta R.T. 0.000 min
Lab File: VW026082.D
Acq: 30 May 2023 11:23

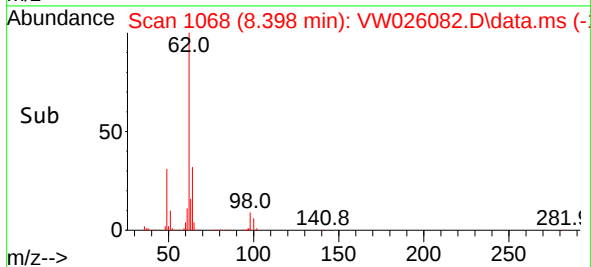
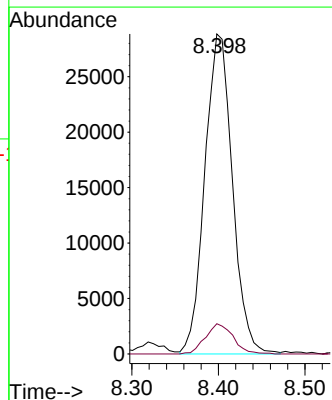
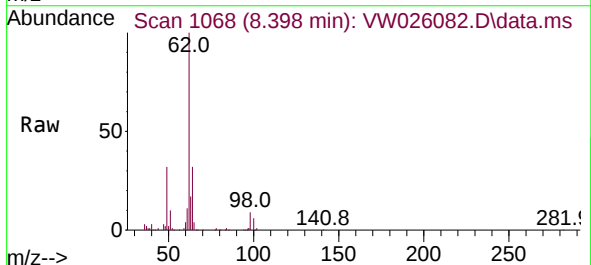
Instrument :
MSVOA_W
ClientSampleId :
VSTD005462

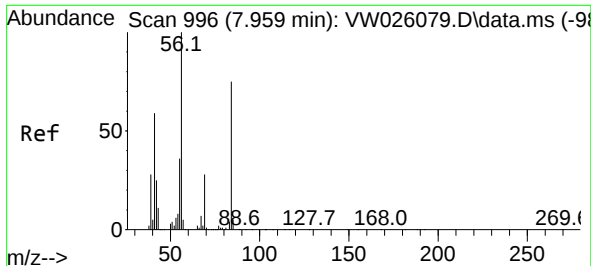
Tgt Ion: 83 Resp: 94378
Ion Ratio Lower Upper
83 100
85 61.9 45.1 83.7



#27
1,2-Dichloroethane
Concen: 4.958 ug/L
RT: 8.398 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VW026082.D
Acq: 30 May 2023 11:23

Tgt Ion: 62 Resp: 63937
Ion Ratio Lower Upper
62 100
98 9.4 7.4 11.2





#29

Cyclohexane

Concen: 4.755 ug/L

RT: 7.959 min Scan# 996

Delta R.T. 0.000 min

Lab File: VW026082.D

Acq: 30 May 2023 11:23

Instrument :

MSVOA_W

ClientSampleId :

VSTD005462

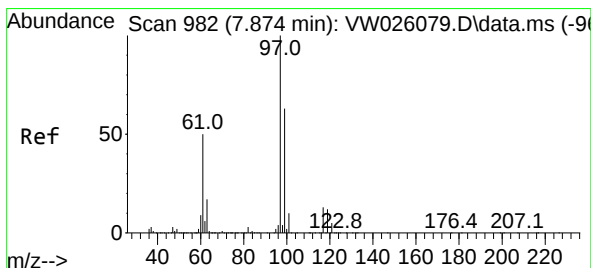
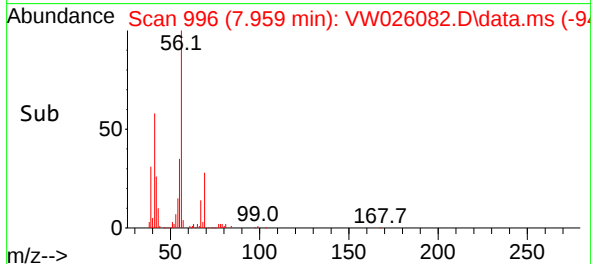
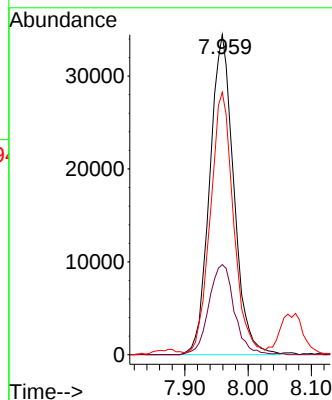
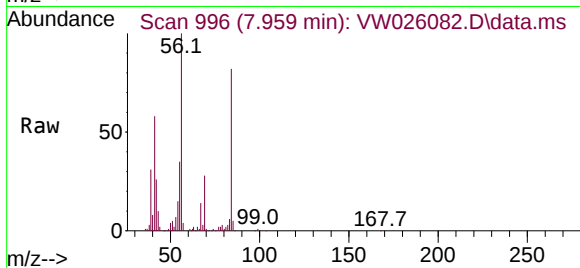
Tgt Ion: 56 Resp: 90848

Ion Ratio Lower Upper

56 100

69 29.8 23.3 34.9

84 77.4 63.0 94.6



#30

1,1,1-Trichloroethane

Concen: 5.112 ug/L

RT: 7.874 min Scan# 982

Delta R.T. 0.000 min

Lab File: VW026082.D

Acq: 30 May 2023 11:23

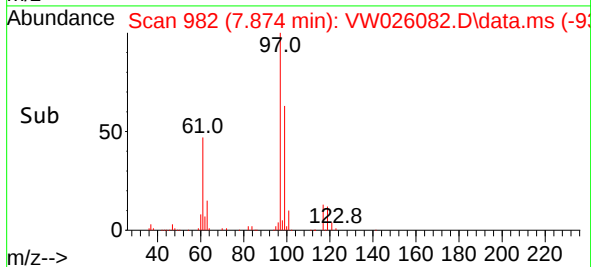
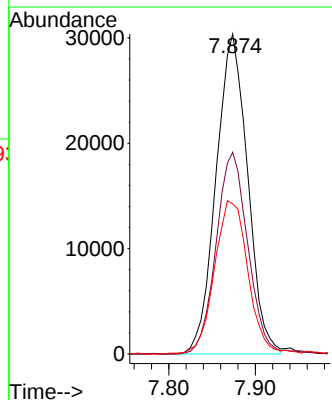
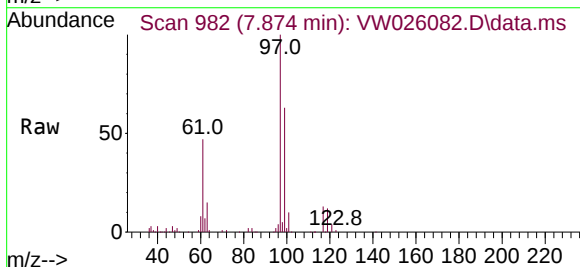
Tgt Ion: 97 Resp: 76777

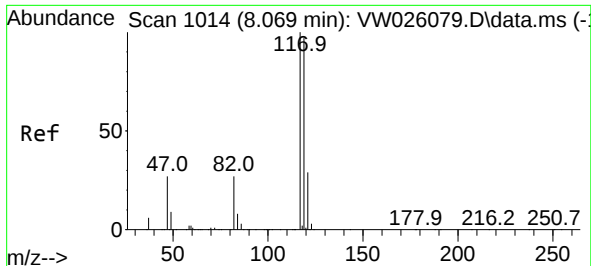
Ion Ratio Lower Upper

97 100

99 63.0 50.6 76.0

61 50.9 40.5 60.7

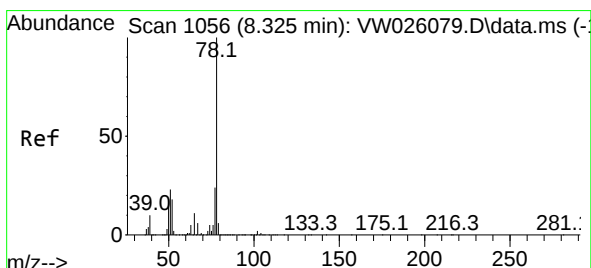
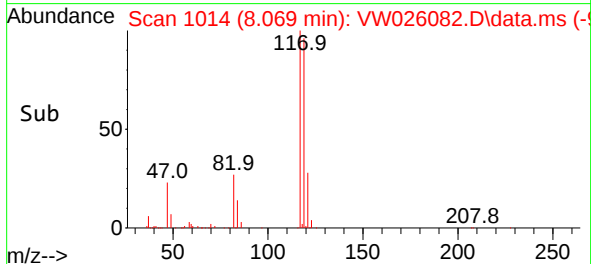
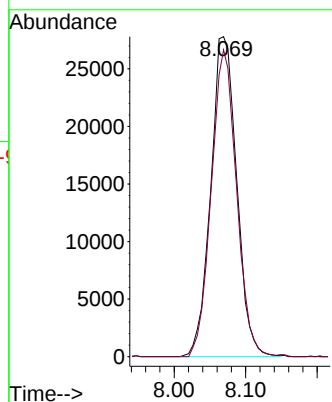
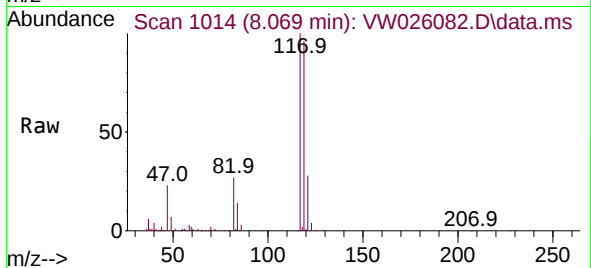




#31
Carbon tetrachloride
Concen: 5.108 ug/L
RT: 8.069 min Scan# 1014
Delta R.T. 0.000 min
Lab File: VW026082.D
Acq: 30 May 2023 11:23

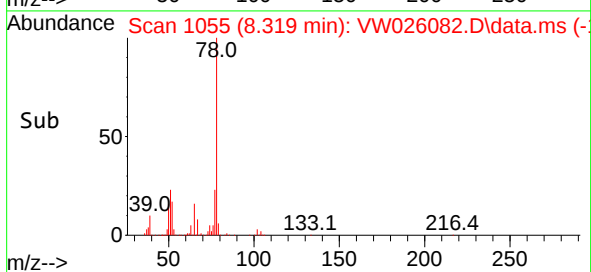
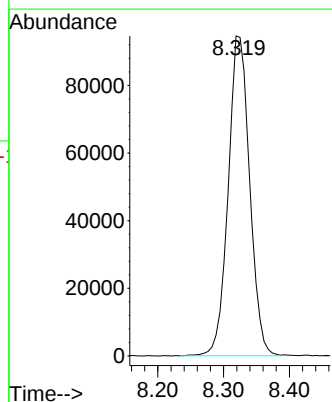
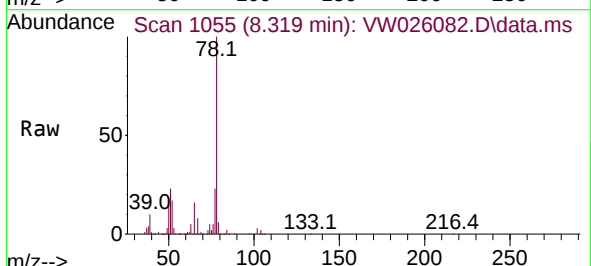
Instrument :
MSVOA_W
ClientSampleId :
VSTD005462

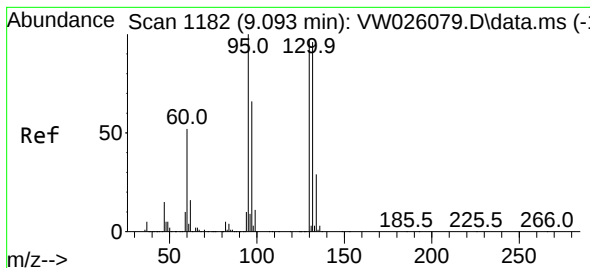
Tgt Ion:117 Resp: 70005
Ion Ratio Lower Upper
117 100
119 93.3 77.4 116.2



#33
Benzene
Concen: 5.066 ug/L
RT: 8.319 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VW026082.D
Acq: 30 May 2023 11:23

Tgt Ion: 78 Resp: 214802





#34

Trichloroethene

Concen: 5.026 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. 0.000 min

Lab File: VW026082.D

Acq: 30 May 2023 11:23

Instrument :

MSVOA_W

ClientSampleId :

VSTD005462

Tgt Ion: 95 Resp: 54560

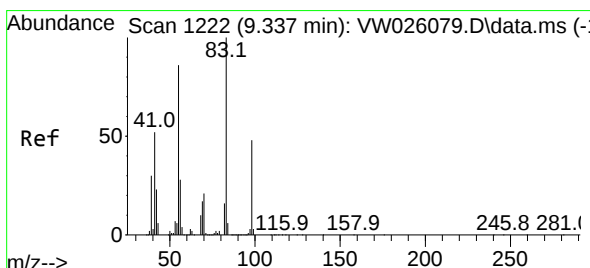
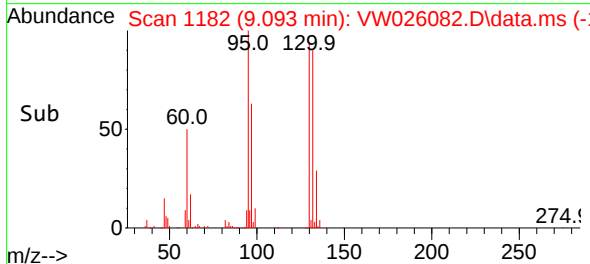
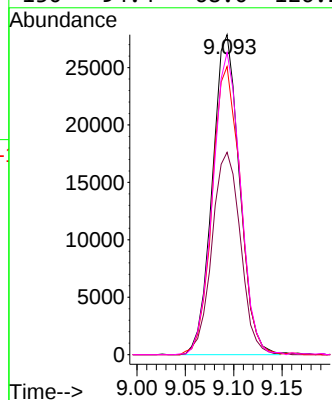
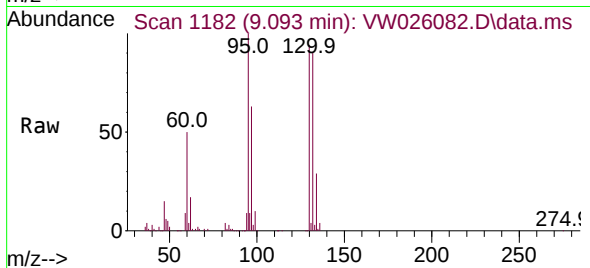
Ion Ratio Lower Upper

95 100

97 63.3 45.9 85.3

132 90.1 67.1 124.7

130 94.4 68.0 126.2



#35

Methylcyclohexane

Concen: 4.965 ug/L

RT: 9.337 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VW026082.D

Acq: 30 May 2023 11:23

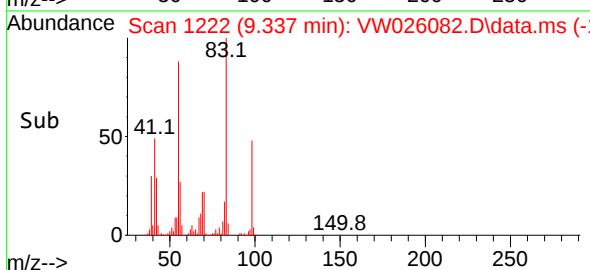
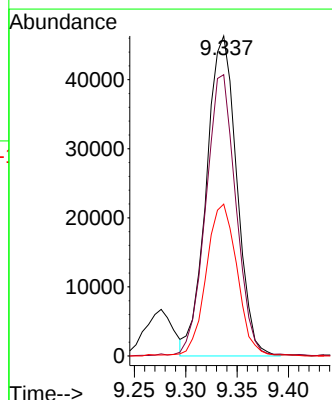
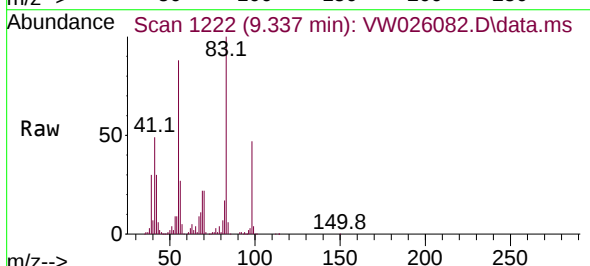
Tgt Ion: 83 Resp: 95385

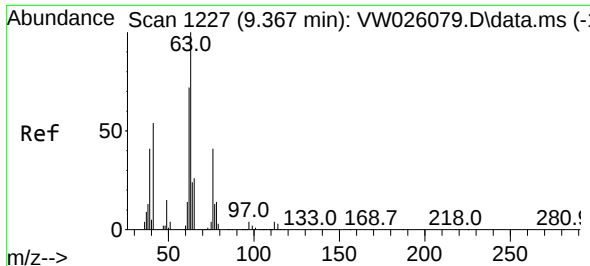
Ion Ratio Lower Upper

83 100

55 87.3 68.2 102.4

98 48.2 38.1 57.1





#37

1,2-Dichloropropane

Concen: 5.103 ug/L

RT: 9.367 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW026082.D

Acq: 30 May 2023 11:23

Instrument :

MSVOA_W

ClientSampleId :

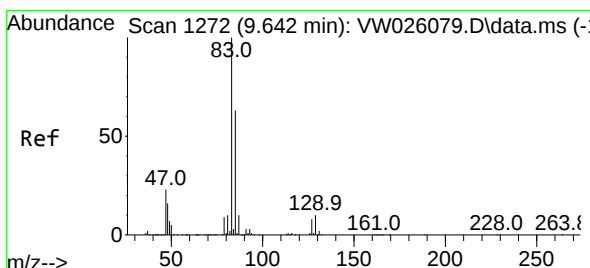
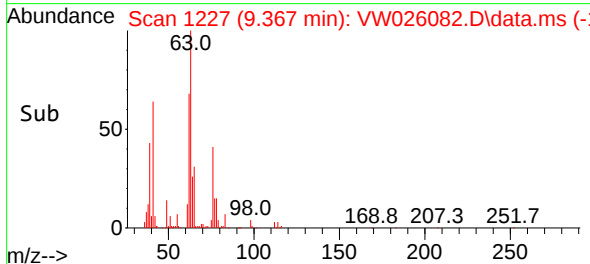
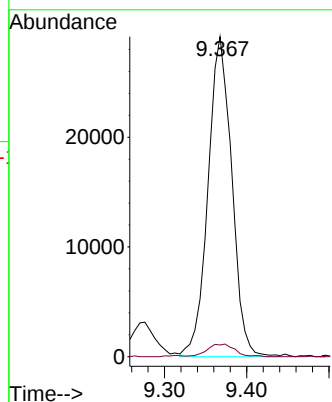
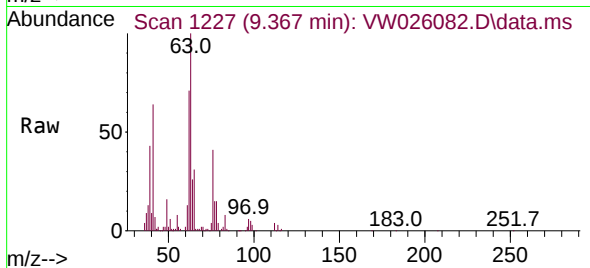
VSTD005462

Tgt Ion: 63 Resp: 58599

Ion Ratio Lower Upper

63 100

112 4.5 3.3 4.9



#38

Bromodichloromethane

Concen: 4.890 ug/L

RT: 9.648 min Scan# 1273

Delta R.T. 0.006 min

Lab File: VW026082.D

Acq: 30 May 2023 11:23

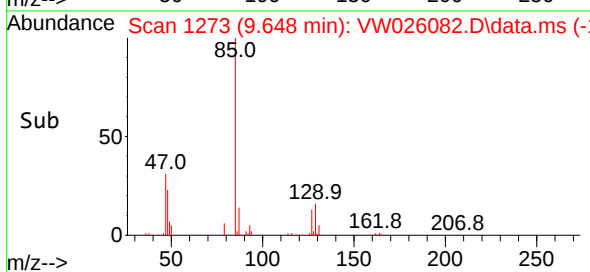
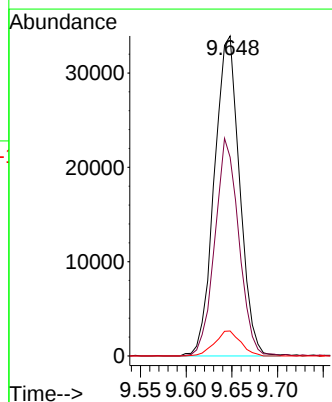
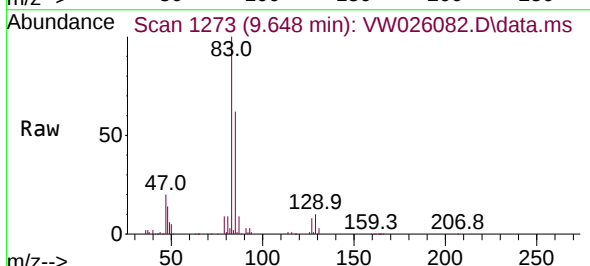
Tgt Ion: 83 Resp: 65241

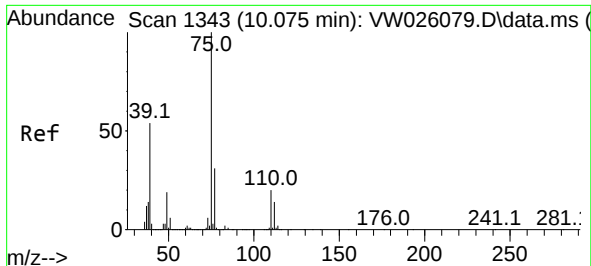
Ion Ratio Lower Upper

83 100

85 62.1 44.2 82.0

127 7.8 6.2 9.2





#39

cis-1,3-Dichloropropene

Concen: 4.802 ug/L

RT: 10.075 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW026082.D

Acq: 30 May 2023 11:23

Instrument :

MSVOA_W

ClientSampleId :

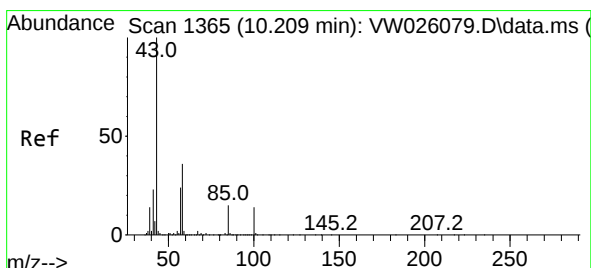
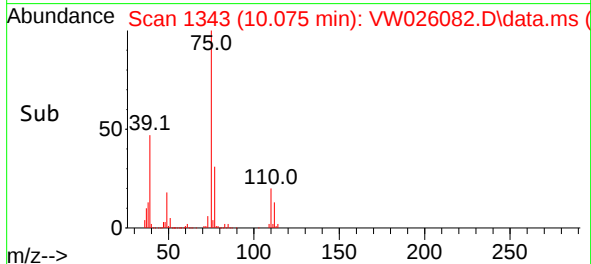
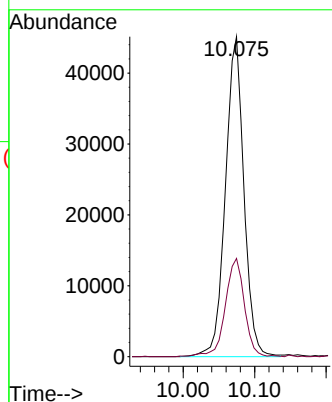
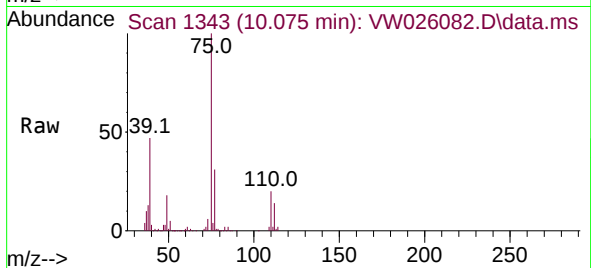
VSTD005462

Tgt Ion: 75 Resp: 81031

Ion Ratio Lower Upper

75 100

77 30.7 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 9.156 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. 0.000 min

Lab File: VW026082.D

Acq: 30 May 2023 11:23

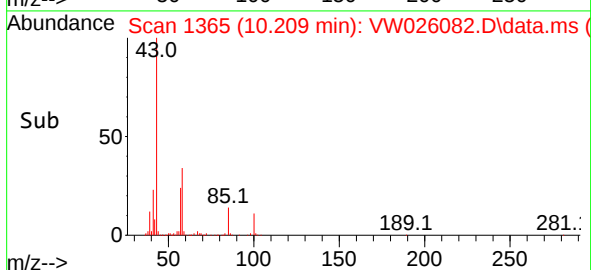
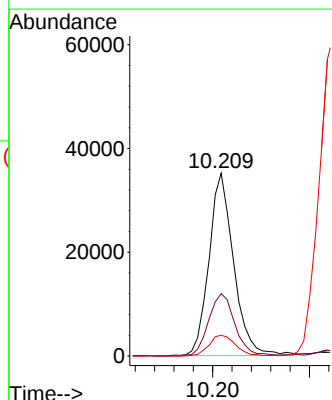
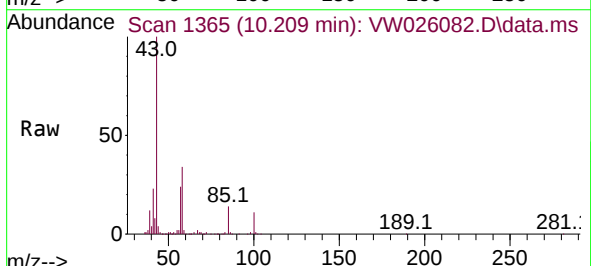
Tgt Ion: 43 Resp: 61990

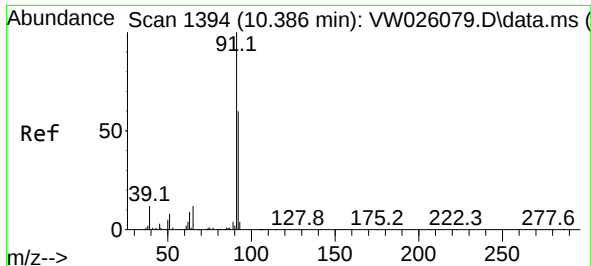
Ion Ratio Lower Upper

43 100

58 36.7 29.0 43.4

100 12.3 10.5 15.7

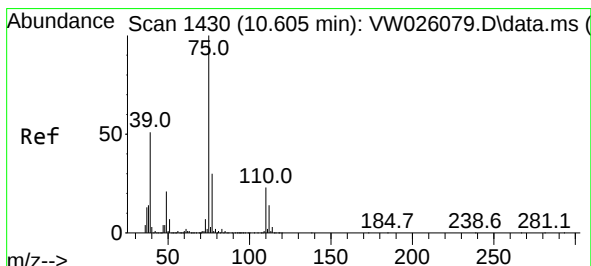
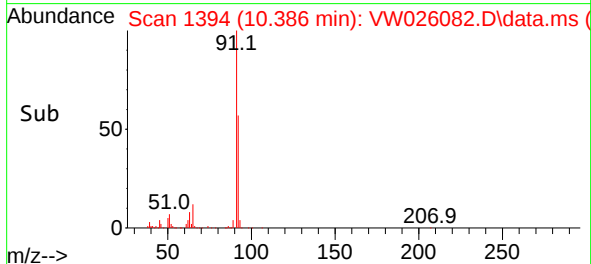
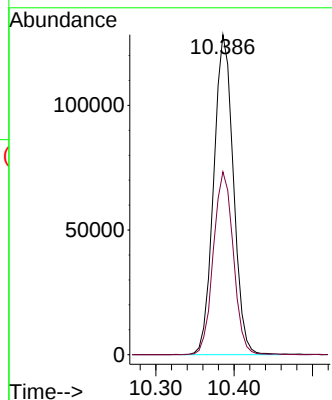
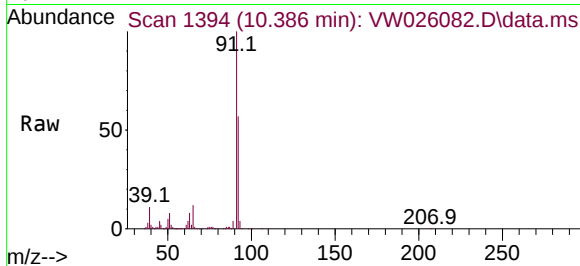




#42
Toluene
Concen: 5.173 ug/L
RT: 10.386 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW026082.D
Acq: 30 May 2023 11:23

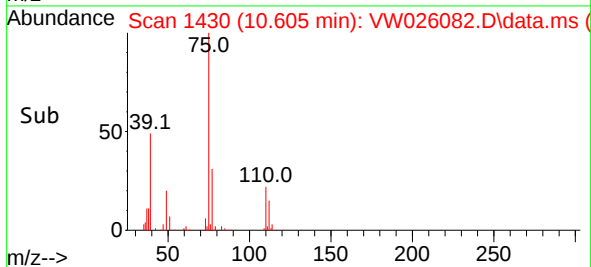
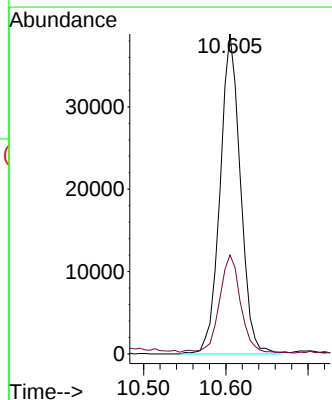
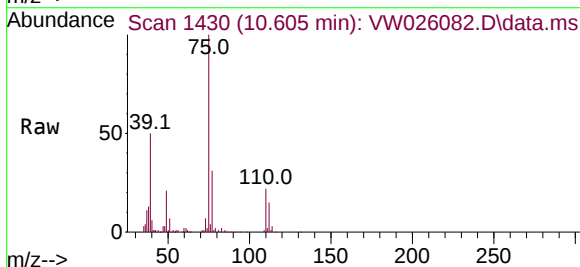
Instrument :
MSVOA_W
ClientSampleId :
VSTD005462

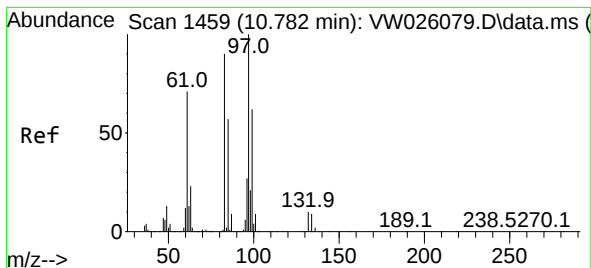
Tgt Ion: 91 Resp: 224322
Ion Ratio Lower Upper
91 100
92 57.1 42.2 78.4



#44
trans-1,3-Dichloropropene
Concen: 4.750 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VW026082.D
Acq: 30 May 2023 11:23

Tgt Ion: 75 Resp: 66784
Ion Ratio Lower Upper
75 100
77 31.0 21.1 39.3





#45

1,1,2-Trichloroethane

Concen: 5.024 ug/L

RT: 10.788 min Scan# 1459

Delta R.T. 0.006 min

Lab File: VW026082.D

Acq: 30 May 2023 11:23

Instrument :

MSVOA_W

ClientSampleId :

VSTD005462

Tgt Ion: 97 Resp: 38026

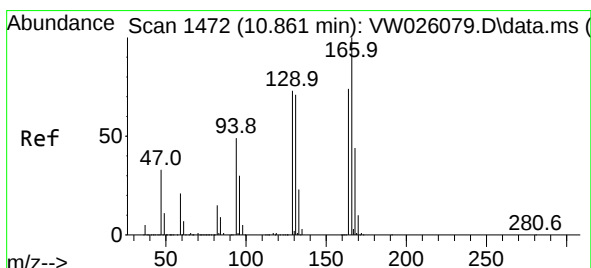
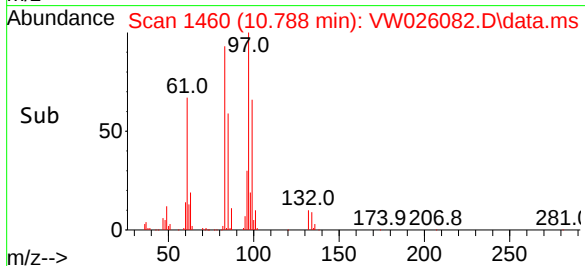
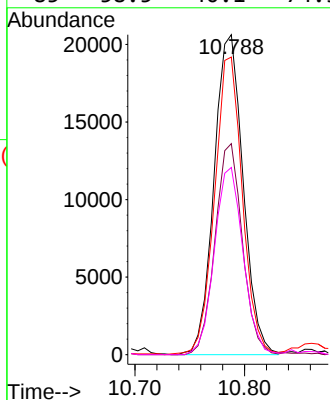
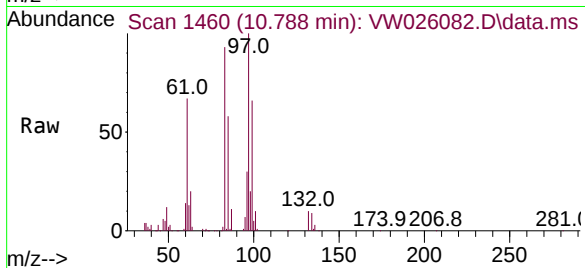
Ion Ratio Lower Upper

97 100

99 65.9 43.3 80.5

83 93.0 62.9 116.9

85 58.5 40.1 74.5



#46

Tetrachloroethene

Concen: 5.261 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. 0.000 min

Lab File: VW026082.D

Acq: 30 May 2023 11:23

Tgt Ion:164 Resp: 40401

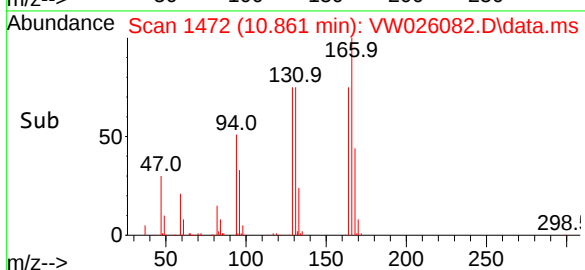
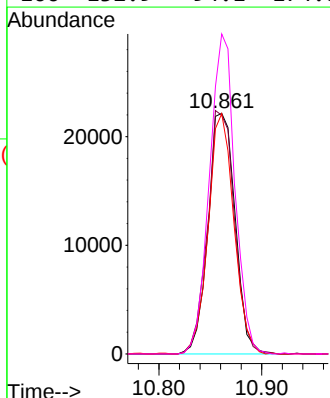
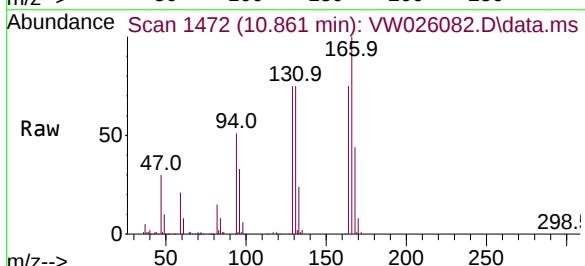
Ion Ratio Lower Upper

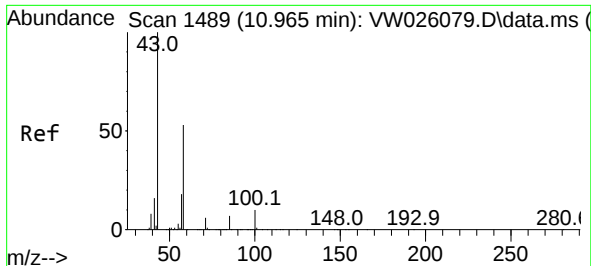
164 100

129 99.2 68.5 127.1

131 99.8 67.1 124.7

166 132.9 94.1 174.8

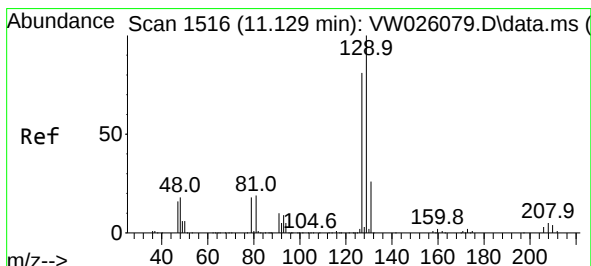
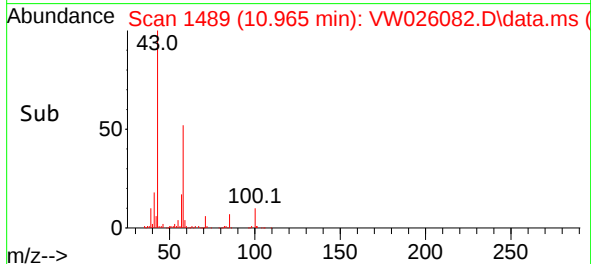
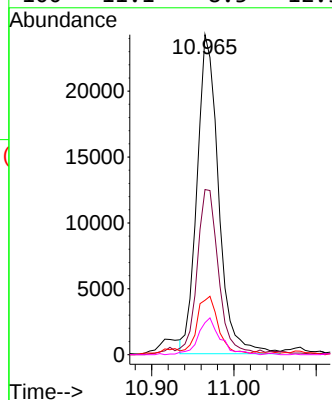
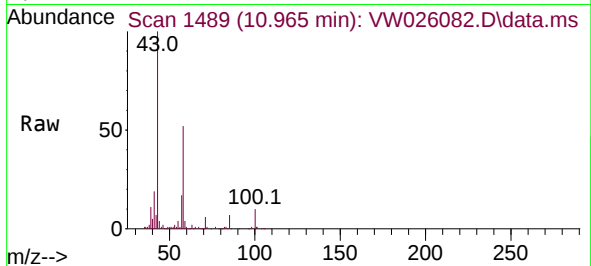




#48
2-Hexanone
Concen: 9.251 ug/L
RT: 10.965 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VW026082.D
Acq: 30 May 2023 11:23

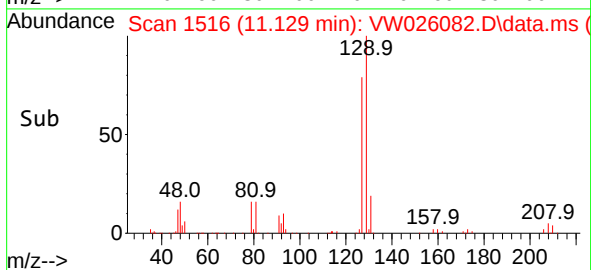
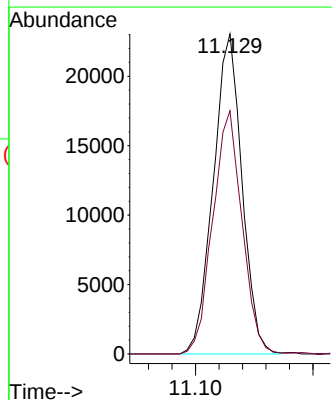
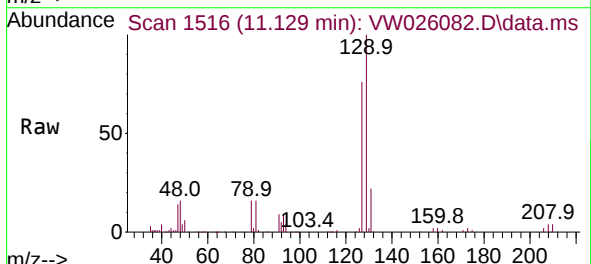
Instrument :
MSVOA_W
ClientSampleId :
VSTD005462

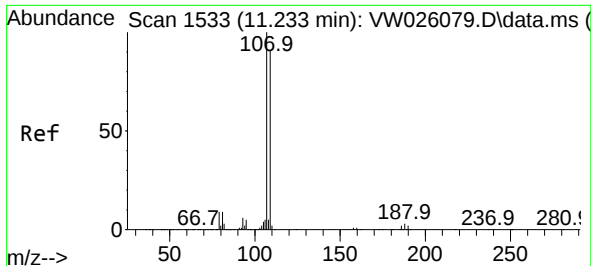
Tgt Ion: 43	Resp: 44161
Ion Ratio	Lower Upper
43 100	
58 51.4	42.2 63.2
57 18.3	14.2 21.2
100 11.1	8.3 12.5



#49
Dibromochloromethane
Concen: 4.931 ug/L
RT: 11.129 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VW026082.D
Acq: 30 May 2023 11:23

Tgt Ion:129	Resp:	39126	
Ion	Ratio	Lower	Upper
129	100		
127	76.0	56.9	105.7





#50

1,2-Dibromoethane

Concen: 4.871 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. 0.000 min

Lab File: VW026082.D

Acq: 30 May 2023 11:23

Instrument :

MSVOA_W

ClientSampleId :

VSTD005462

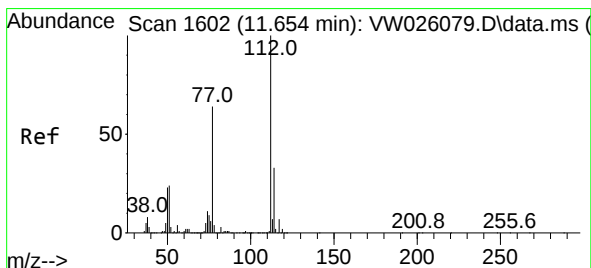
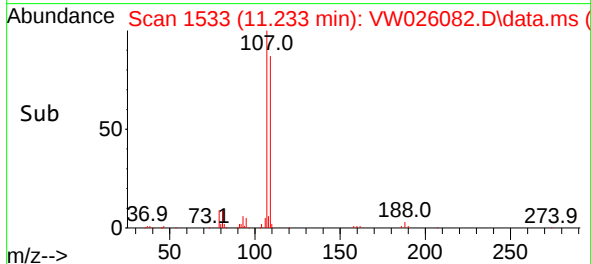
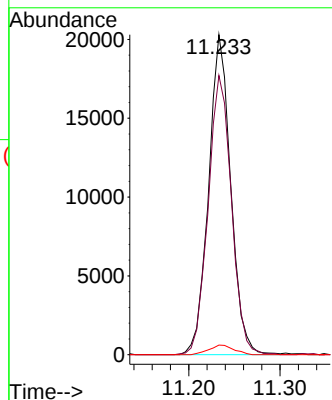
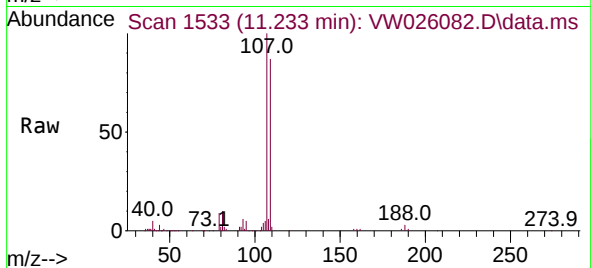
Tgt Ion:107 Resp: 34131

Ion Ratio Lower Upper

107 100

109 87.2 64.0 119.0

188 3.0 2.6 3.8



#51

Chlorobenzene

Concen: 5.096 ug/L

RT: 11.654 min Scan# 1602

Delta R.T. 0.000 min

Lab File: VW026082.D

Acq: 30 May 2023 11:23

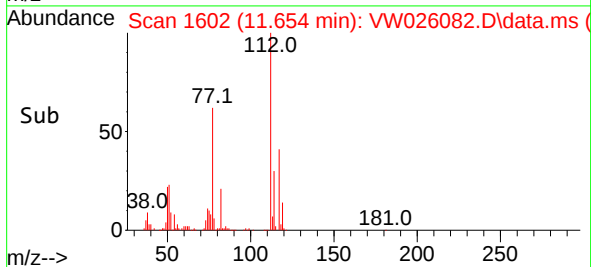
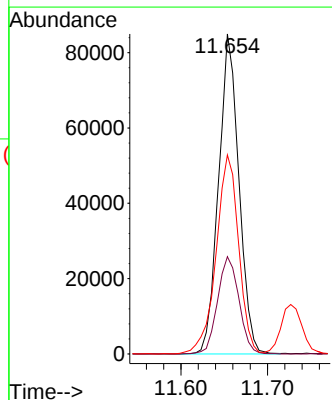
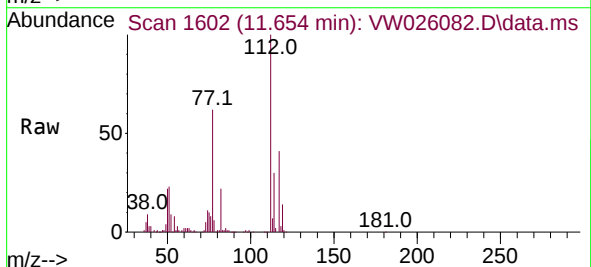
Tgt Ion:112 Resp: 138468

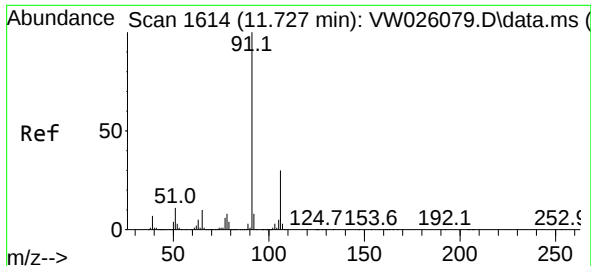
Ion Ratio Lower Upper

112 100

114 30.4 23.0 42.6

77 62.2 50.9 76.3

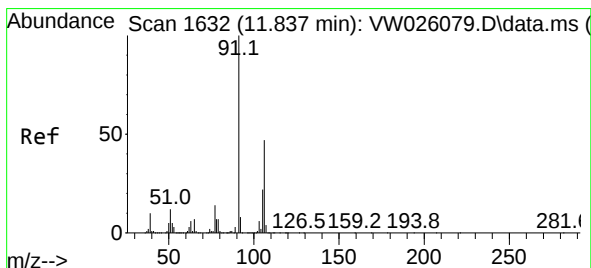
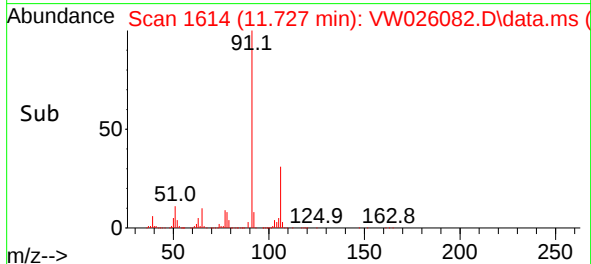
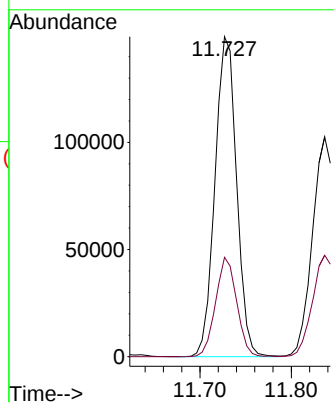
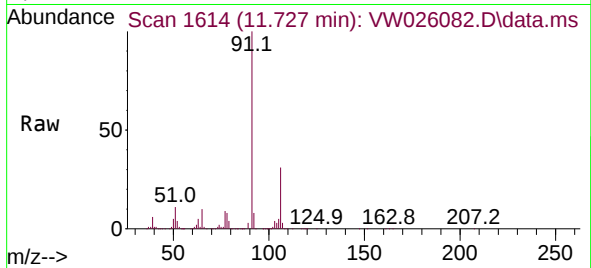




#52
Ethylbenzene
Concen: 5.020 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW026082.D
Acq: 30 May 2023 11:23

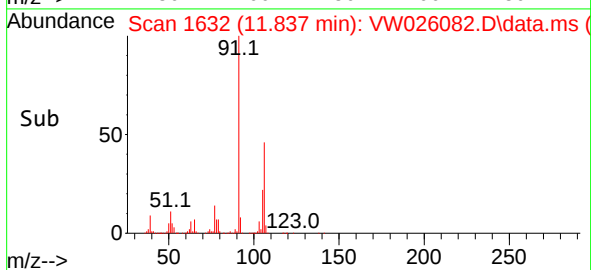
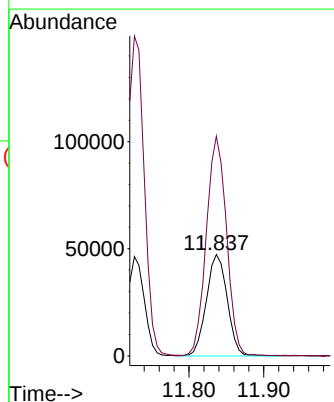
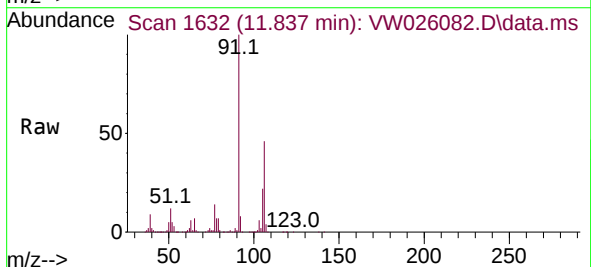
Instrument :
MSVOA_W
ClientSampleId :
VSTD005462

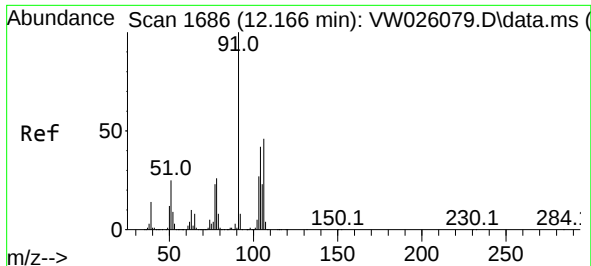
Tgt Ion: 91 Resp: 245584
Ion Ratio Lower Upper
91 100
106 31.1 21.2 39.4



#53
m,p-Xylene
Concen: 5.033 ug/L
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW026082.D
Acq: 30 May 2023 11:23

Tgt Ion: 106 Resp: 91591
Ion Ratio Lower Upper
106 100
91 216.7 149.5 277.7

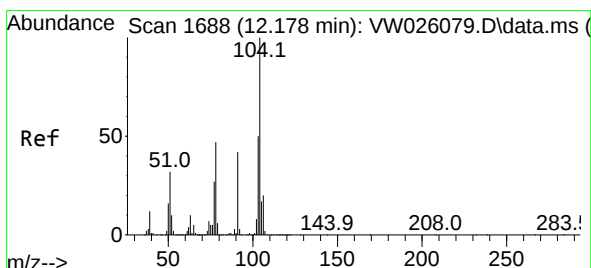
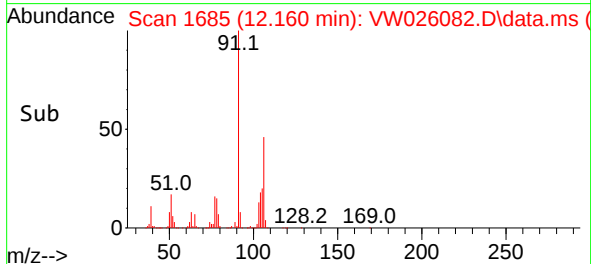
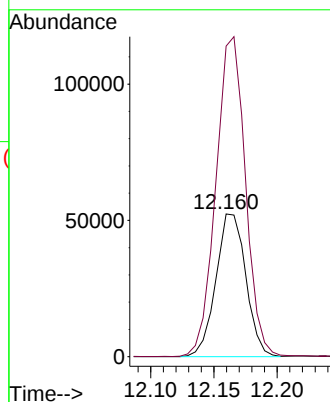
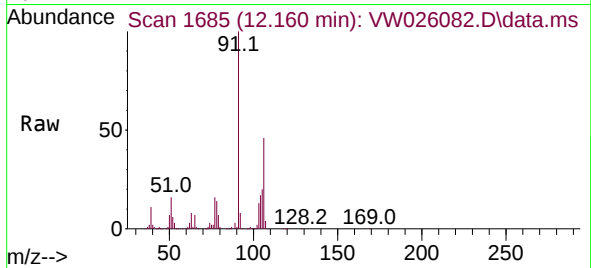




#54
o-Xylene
Concen: 5.018 ug/L
RT: 12.160 min Scan# 1686
Delta R.T. -0.006 min
Lab File: VW026082.D
Acq: 30 May 2023 11:23

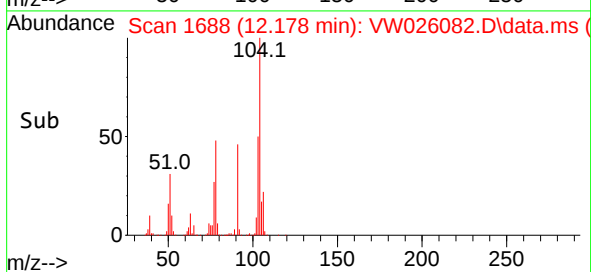
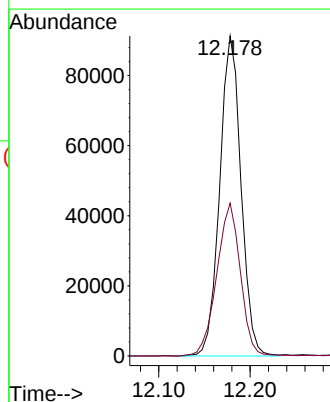
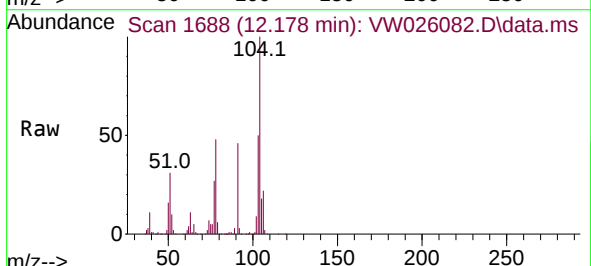
Instrument :
MSVOA_W
ClientSampleId :
VSTD005462

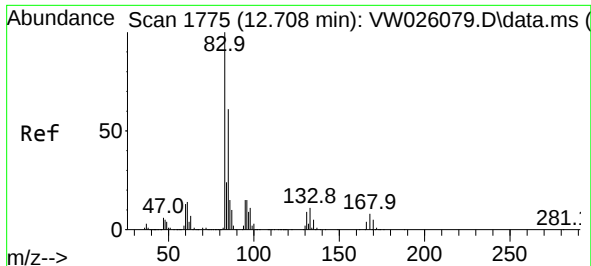
Tgt Ion:106 Resp: 86187
Ion Ratio Lower Upper
106 100
91 217.5 150.9 280.3



#55
Styrene
Concen: 5.024 ug/L
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW026082.D
Acq: 30 May 2023 11:23

Tgt Ion:104 Resp: 148031
Ion Ratio Lower Upper
104 100
78 47.7 32.6 60.6





#57

1,1,2,2-Tetrachloroethane

Concen: 5.019 ug/L

RT: 12.714 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW026082.D

Acq: 30 May 2023 11:23

Instrument :

MSVOA_W

ClientSampleId :

VSTD005462

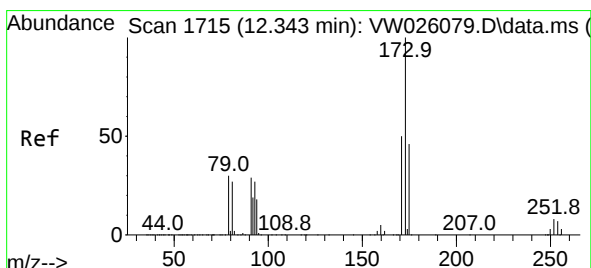
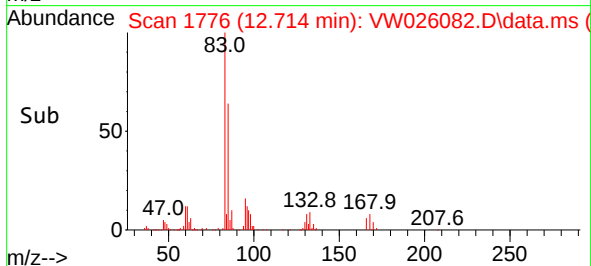
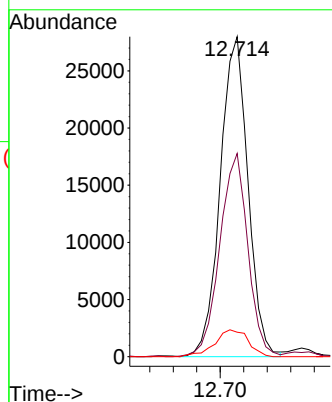
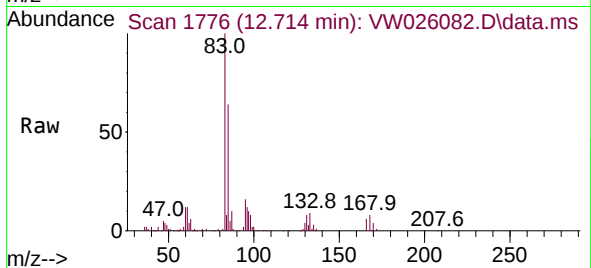
Tgt Ion: 83 Resp: 45966

Ion Ratio Lower Upper

83 100

85 63.5 42.6 79.0

131 7.7 7.2 10.8



#59

Bromoform

Concen: 4.868 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. 0.006 min

Lab File: VW026082.D

Acq: 30 May 2023 11:23

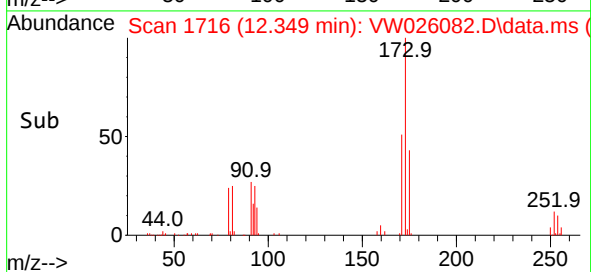
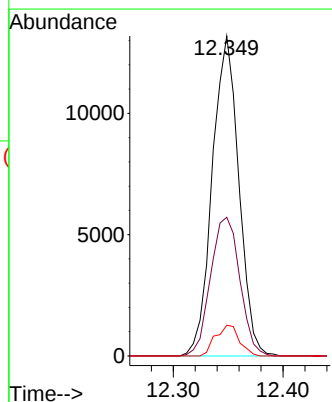
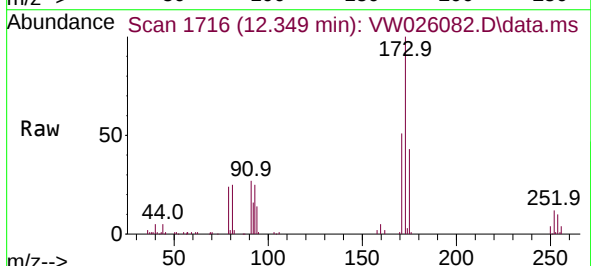
Tgt Ion: 173 Resp: 22217

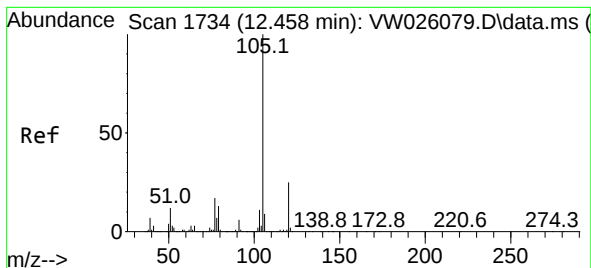
Ion Ratio Lower Upper

173 100

175 47.8 38.6 57.8

254 8.6 7.4 11.0

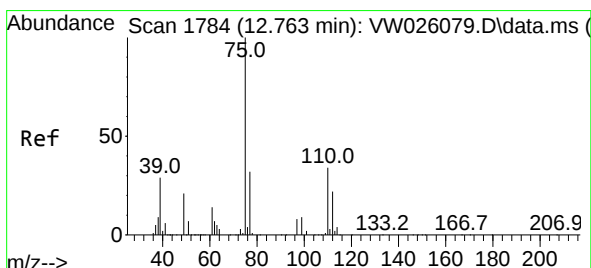
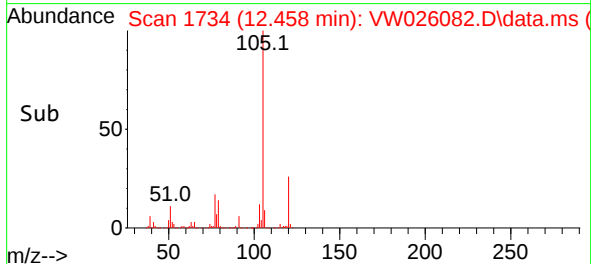
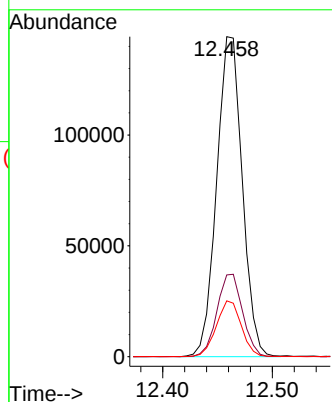
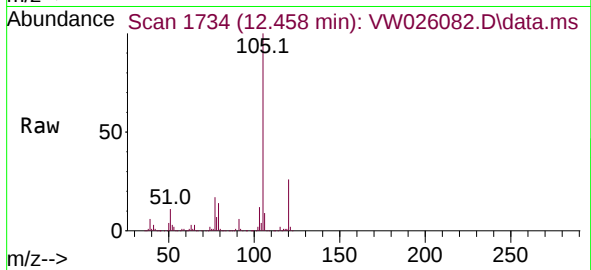




#60
Isopropylbenzene
Concen: 4.913 ug/L
RT: 12.458 min Scan# 1734
Delta R.T. 0.000 min
Lab File: VW026082.D
Acq: 30 May 2023 11:23

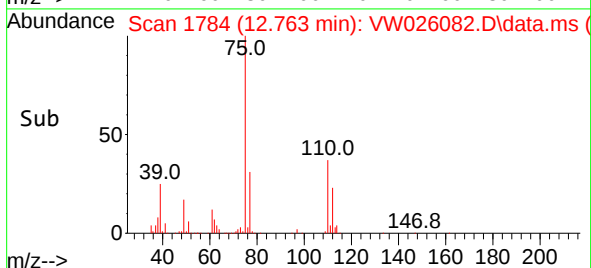
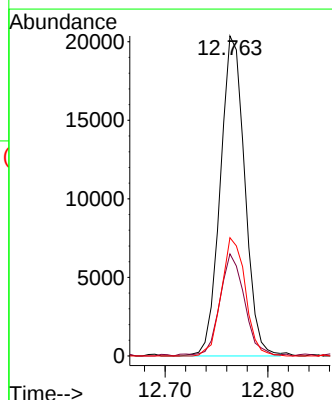
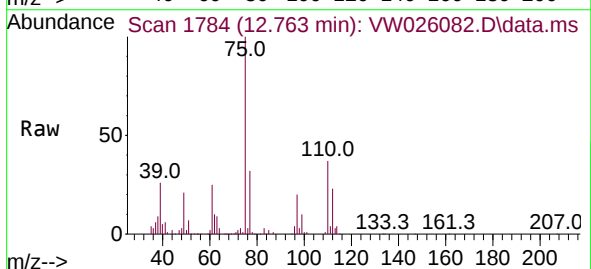
Instrument :
MSVOA_W
ClientSampleId :
VSTD005462

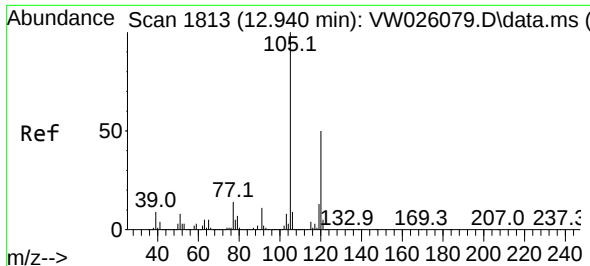
Tgt Ion:105 Resp: 234532
Ion Ratio Lower Upper
105 100
120 25.8 19.8 29.8
77 17.1 13.3 19.9



#61
1,2,3-Trichloropropane
Concen: 4.948 ug/L
RT: 12.763 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VW026082.D
Acq: 30 May 2023 11:23

Tgt Ion: 75 Resp: 33678
Ion Ratio Lower Upper
75 100
77 31.1 25.2 37.8
110 36.3 28.7 43.1





#62

1,3,5-Trimethylbenzene

Concen: 4.809 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. 0.000 min

Lab File: VW026082.D

Acq: 30 May 2023 11:23

Instrument :

MSVOA_W

ClientSampleId :

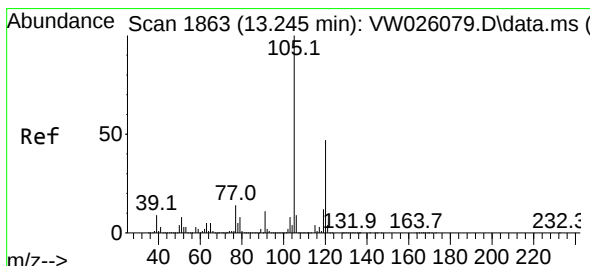
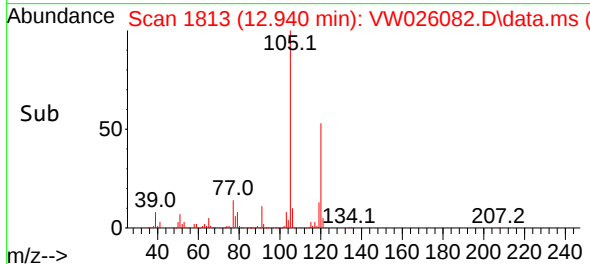
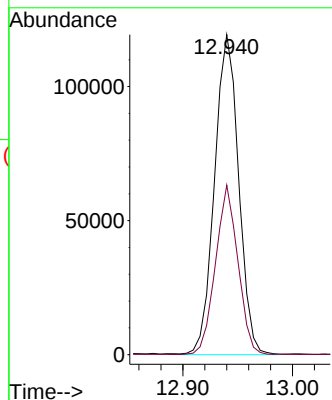
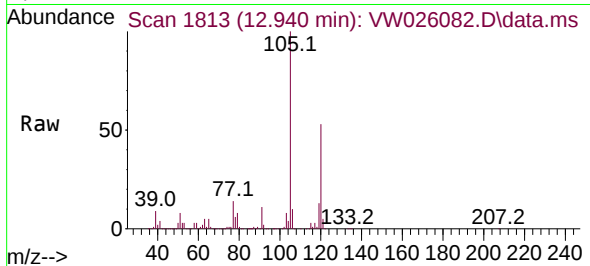
VSTD005462

Tgt Ion:105 Resp: 182482

Ion Ratio Lower Upper

105 100

120 49.3 38.8 58.2



#63

1,2,4-Trimethylbenzene

Concen: 4.930 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. 0.000 min

Lab File: VW026082.D

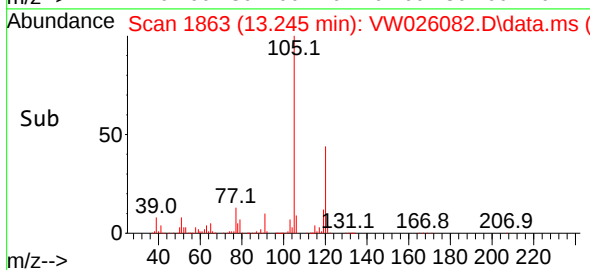
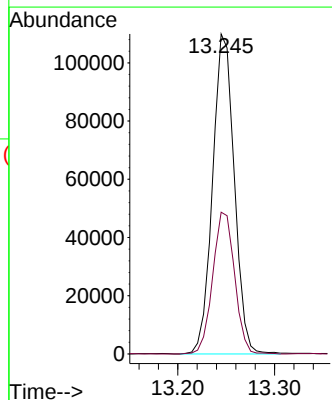
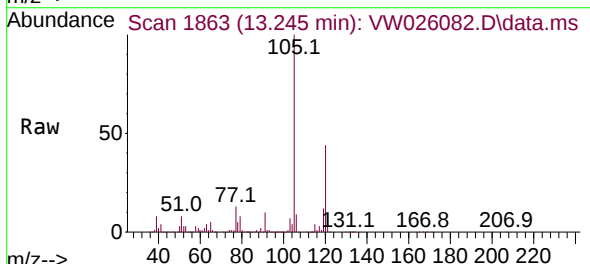
Acq: 30 May 2023 11:23

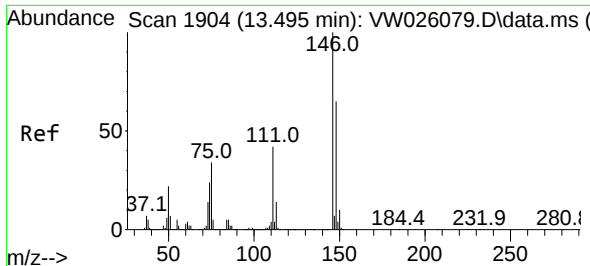
Tgt Ion:105 Resp: 171345

Ion Ratio Lower Upper

105 100

120 44.7 36.2 54.2

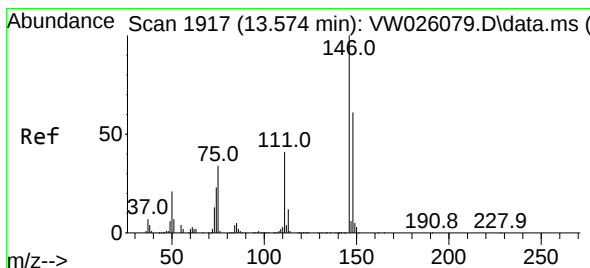
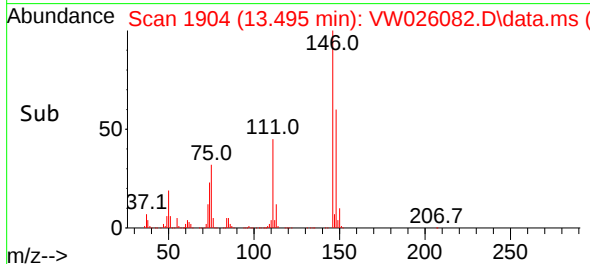
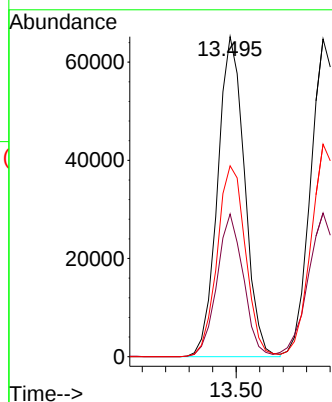
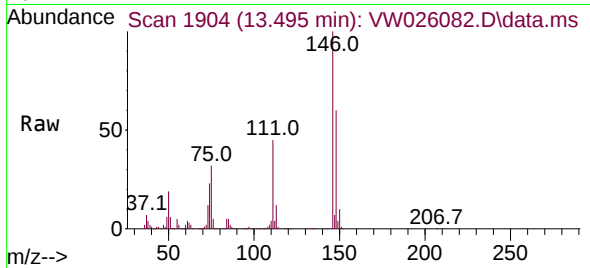




#64
1,3-Dichlorobenzene
Concen: 5.179 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW026082.D
Acq: 30 May 2023 11:23

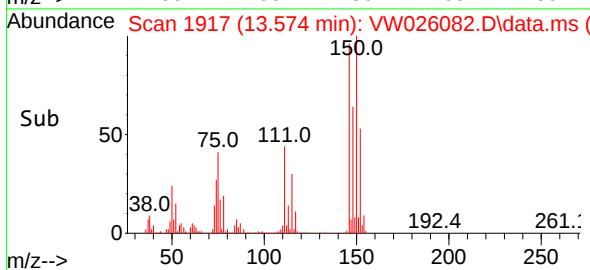
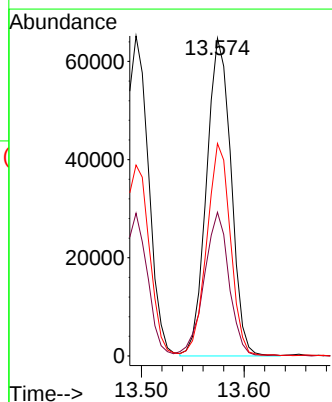
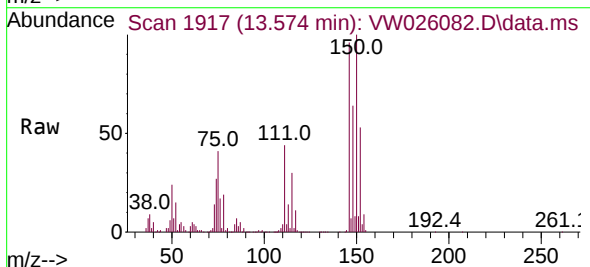
Instrument :
MSVOA_W
ClientSampleId :
VSTD005462

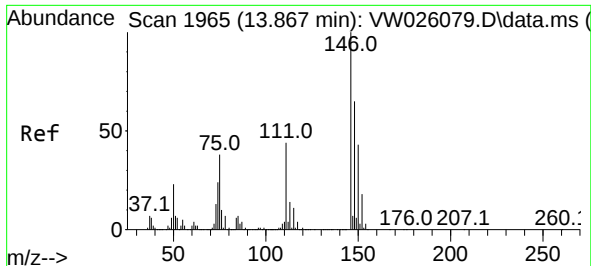
Tgt Ion:146 Resp: 103953
Ion Ratio Lower Upper
146 100
111 44.6 29.7 55.1
148 59.6 45.4 84.4



#65
1,4-Dichlorobenzene
Concen: 5.325 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW026082.D
Acq: 30 May 2023 11:23

Tgt Ion:146 Resp: 107596
Ion Ratio Lower Upper
146 100
111 45.2 29.2 54.2
148 66.9 42.8 79.6





#67

1,2-Dichlorobenzene

Concen: 5.157 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VW026082.D

Acq: 30 May 2023 11:23

Instrument :

MSVOA_W

ClientSampleId :

VSTD005462

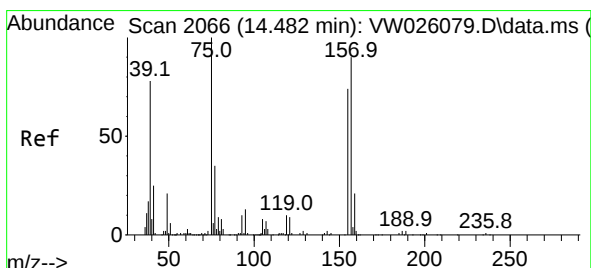
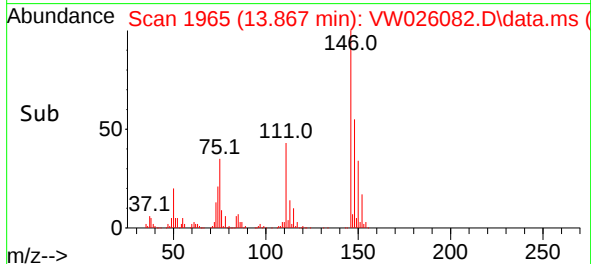
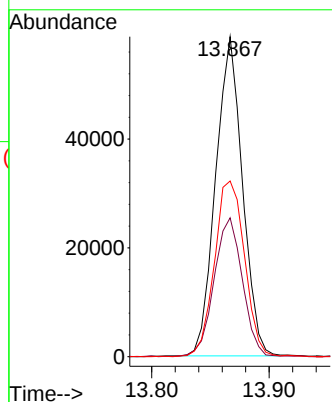
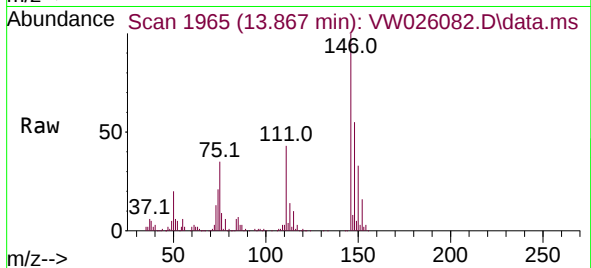
Tgt Ion:146 Resp: 92953

Ion Ratio Lower Upper

146 100

111 43.4 35.4 53.0

148 54.9 51.7 77.5



#68

1,2-Dibromo-3-chloropropane

Concen: 4.776 ug/L

RT: 14.482 min Scan# 2066

Delta R.T. 0.000 min

Lab File: VW026082.D

Acq: 30 May 2023 11:23

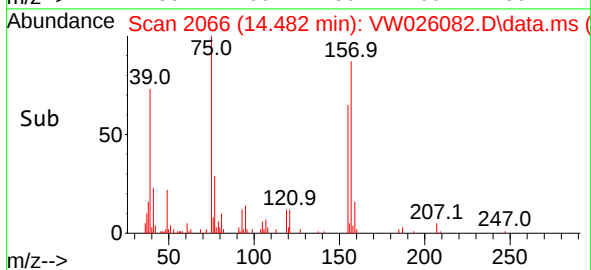
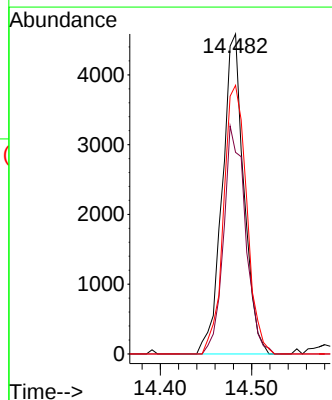
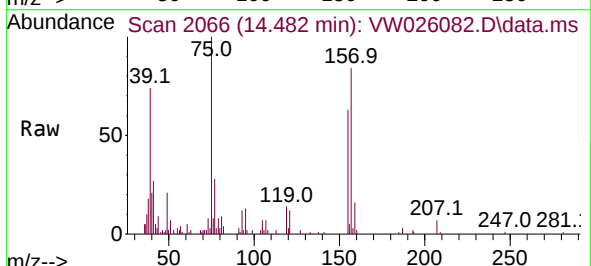
Tgt Ion: 75 Resp: 7531

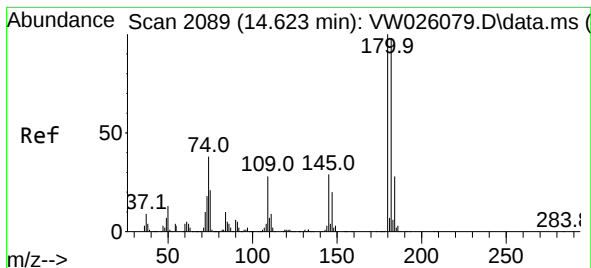
Ion Ratio Lower Upper

75 100

155 63.0 59.0 88.6

157 84.0 71.7 107.5





#69

1,3,5-Trichlorobenzene

Concen: 5.337 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. 0.000 min

Lab File: VW026082.D

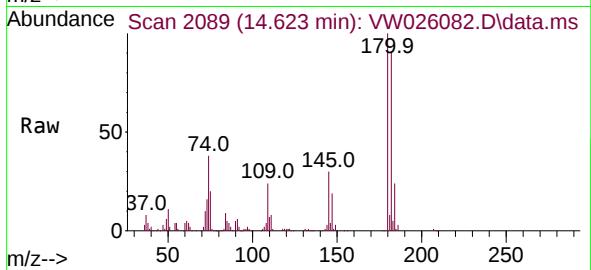
Acq: 30 May 2023 11:23

Instrument :

MSVOA_W

ClientSampleId :

VSTD005462



Tgt Ion:180 Resp: 73583

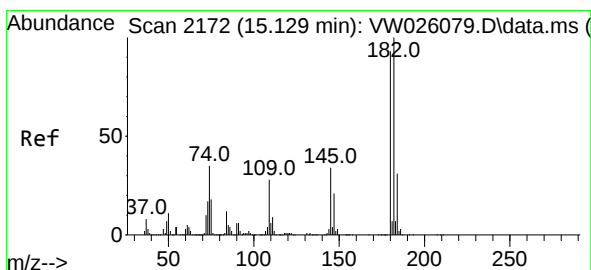
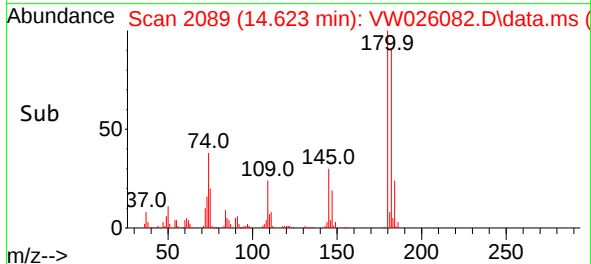
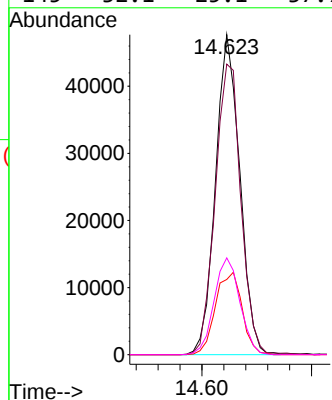
Ion Ratio Lower Upper

180 100

182 95.7 77.0 115.4

184 28.1 23.7 35.5

145 32.1 25.1 37.7



#70

1,2,4-trichlorobenzene

Concen: 5.447 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. 0.000 min

Lab File: VW026082.D

Acq: 30 May 2023 11:23

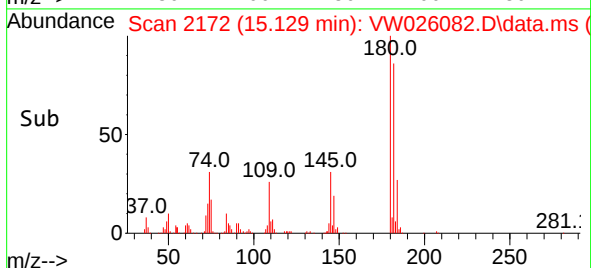
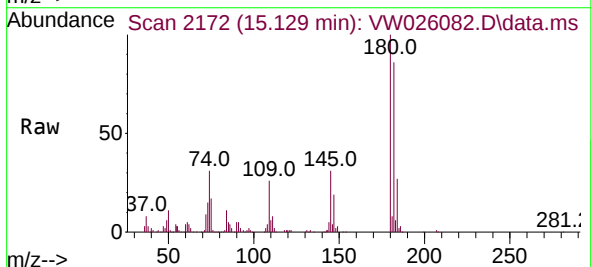
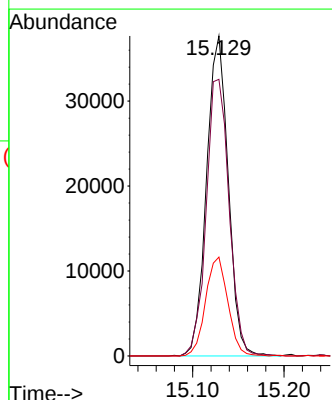
Tgt Ion:180 Resp: 61967

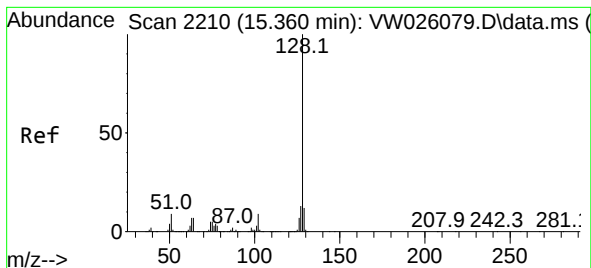
Ion Ratio Lower Upper

180 100

182 91.4 78.9 118.3

145 31.8 27.2 40.8

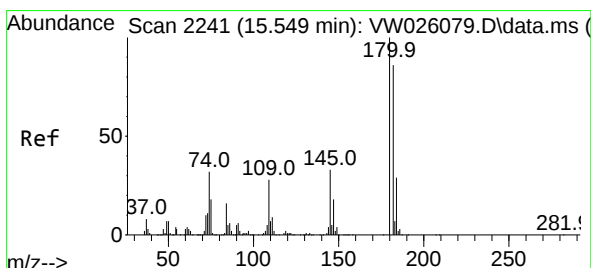
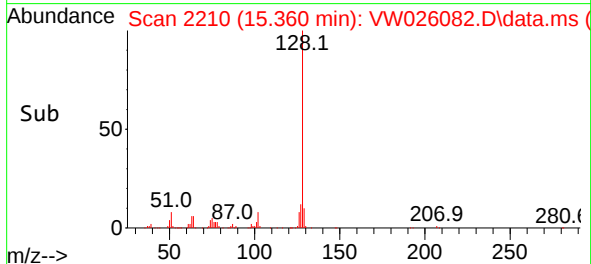
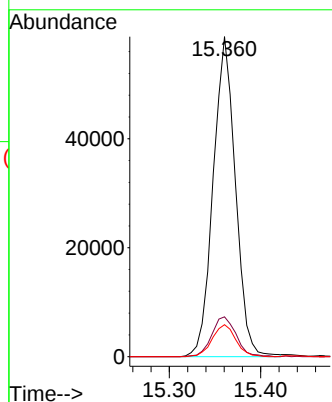
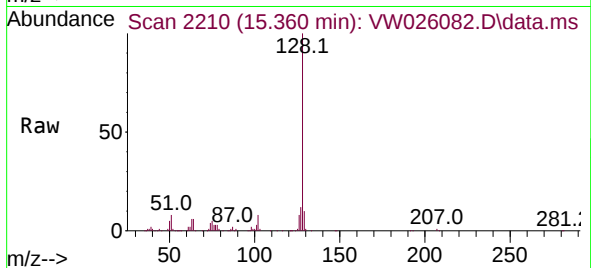




#71
Naphthalene
Concen: 4.900 ug/L
RT: 15.360 min Scan# 2210
Delta R.T. 0.000 min
Lab File: VW026082.D
Acq: 30 May 2023 11:23

Instrument :
MSVOA_W
ClientSampleId :
VSTD005462

Tgt Ion:128 Resp: 99351
Ion Ratio Lower Upper
128 100
127 13.7 10.6 15.8
129 10.6 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 5.470 ug/L
RT: 15.549 min Scan# 2241
Delta R.T. 0.000 min
Lab File: VW026082.D
Acq: 30 May 2023 11:23

Tgt Ion:180 Resp: 54389
Ion Ratio Lower Upper
180 100
182 97.3 76.3 114.5
145 33.9 27.0 40.6

