

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW053023\
 Data File : VW026078.D
 Acq On : 30 May 2023 09:23
 Operator : SY/MD
 Sample : VSTD00558
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD005458

Quant Time: May 31 01:26:16 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	858921	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	743869	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.555	152	342948	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.362	65	49315	4.081	ug/L	0.00
7) Chloroethane-d5	2.618	69	455	0.050	ug/L	-0.28
11) 1,1-Dichloroethene-d2	4.185	65	116	0.019	ug/L	0.16
21) 2-Butanone-d5	6.923	46	195	0.055	ug/L	-0.15
24) Chloroform-d	7.648	84	108641	4.319	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.306	65	61613	4.480	ug/L	0.00
32) Benzene-d6	8.276	84	215789	4.311	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.276	67	70545	4.449	ug/L	0.00
41) Toluene-d8	10.324	98	194328	4.378	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.574	79	26605	4.234	ug/L	0.00
47) 2-Hexanone-d5	10.922	63	19538	7.814	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.690	84	48024	4.162	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.854	152	60797	4.632	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.015	85	25411	2.462	ug/L	96
3) Chloromethane	2.216	50	36331	2.691	ug/L	97
5) Vinyl chloride	2.375	62	46355	3.212	ug/L	92
6) Bromomethane	2.783	94	21615	2.747	ug/L	100
8) Chloroethane	2.935	64	25937	3.326	ug/L	92
9) Trichlorofluoromethane	3.259	101	31672	3.411	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	4.069	101	43203	3.815	ug/L #	86
12) 1,1-Dichloroethene	4.039	96	38702	3.539	ug/L	94
13) Acetone	4.124	43	24308	8.930	ug/L	72
14) Carbon disulfide	4.386	76	91623	2.373	ug/L	100
15) Methyl Acetate	4.667	43	24763	4.053	ug/L	97
16) Methylene chloride	4.923	84	46956	3.425	ug/L	92
17) trans-1,2-Dichloroethene	5.423	96	42711	3.481	ug/L	95
18) Methyl tert-butyl Ether	5.423	73	73177	3.784	ug/L	97
19) 1,1-Dichloroethane	6.215	63	100588	4.027	ug/L	96
20) cis-1,2-Dichloroethene	7.166	96	49376	3.799	ug/L	100
22) 2-Butanone	7.172	43	32472	8.370	ug/L	100
23) Bromochloromethane	7.514	128	20796	3.752	ug/L	89
25) Chloroform	7.672	83	98437	4.231	ug/L	99
27) 1,2-Dichloroethane	8.398	62	65037	4.053	ug/L	100
29) Cyclohexane	7.959	56	69574	3.030	ug/L	99
30) 1,1,1-Trichloroethane	7.874	97	75308	4.172	ug/L	100
31) Carbon tetrachloride	8.069	117	65420	3.971	ug/L	95
33) Benzene	8.325	78	193745	3.802	ug/L	100
34) Trichloroethene	9.093	95	51358	3.936	ug/L	97
35) Methylcyclohexane	9.331	83	75353	3.264	ug/L	97
37) 1,2-Dichloropropane	9.367	63	57595	4.173	ug/L #	95
38) Bromodichloromethane	9.648	83	68866	4.295	ug/L	97
39) cis-1,3-Dichloropropene	10.074	75	77799	3.836	ug/L	97
40) 4-Methyl-2-pentanone	10.209	43	67386	8.281	ug/L	100
42) Toluene	10.385	91	200759	3.852	ug/L	95
44) trans-1,3-Dichloropropene	10.605	75	64730	3.831	ug/L	94

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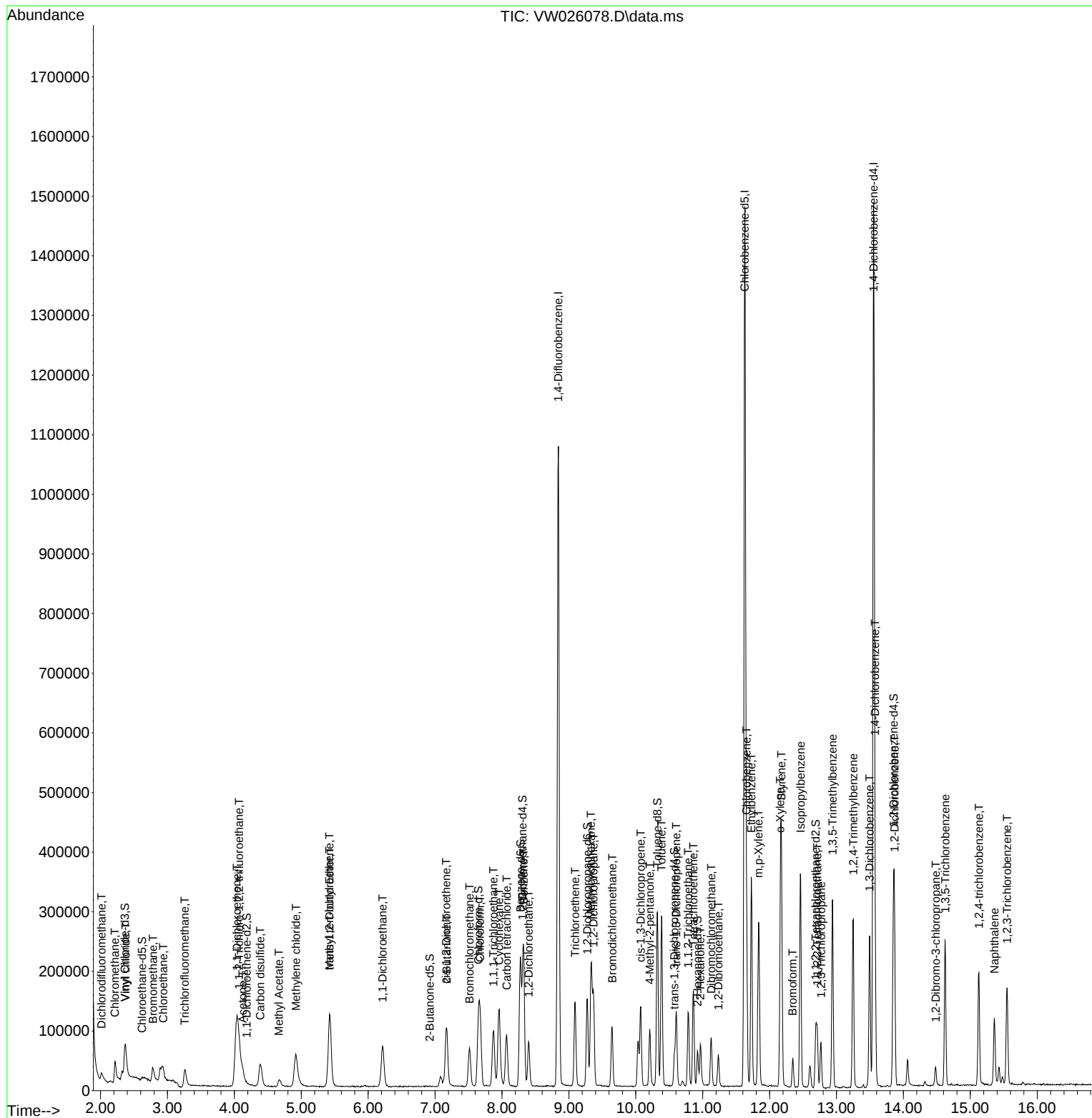
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	10.782	97	40049	4.403	ug/L	96
46) Tetrachloroethene	10.861	164	33988	3.683	ug/L	94
48) 2-Hexanone	10.964	43	47734	8.320	ug/L	96
49) Dibromochloromethane	11.129	129	40987	4.298	ug/L	94
50) 1,2-Dibromoethane	11.233	107	34613	4.110	ug/L	95
51) Chlorobenzene	11.653	112	133760	4.095	ug/L	97
52) Ethylbenzene	11.727	91	230055	3.913	ug/L	98
53) m,p-Xylene	11.836	106	82345	3.765	ug/L	95
54) o-Xylene	12.159	106	79739	3.863	ug/L	96
55) Styrene	12.178	104	135050	3.813	ug/L	95
57) 1,1,2,2-Tetrachloroethane	12.714	83	45249	4.110	ug/L	95
59) Bromoform	12.342	173	21321	4.139	ug/L #	98
60) Isopropylbenzene	12.464	105	226530	4.205	ug/L	98
61) 1,2,3-Trichloropropane	12.769	75	33231	4.326	ug/L	99
62) 1,3,5-Trimethylbenzene	12.940	105	162226	3.788	ug/L	100
63) 1,2,4-Trimethylbenzene	13.251	105	151553	3.864	ug/L	99
64) 1,3-Dichlorobenzene	13.495	146	98716	4.358	ug/L	92
65) 1,4-Dichlorobenzene	13.574	146	101600	4.455	ug/L	94
67) 1,2-Dichlorobenzene	13.866	146	92066	4.526	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.482	75	8931	5.018	ug/L	82
69) 1,3,5-Trichlorobenzene	14.628	180	69496	4.466	ug/L	96
70) 1,2,4-trichlorobenzene	15.128	180	56167	4.374	ug/L	96
71) Naphthalene	15.360	128	91281	3.989	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	49851	4.442	ug/L	99

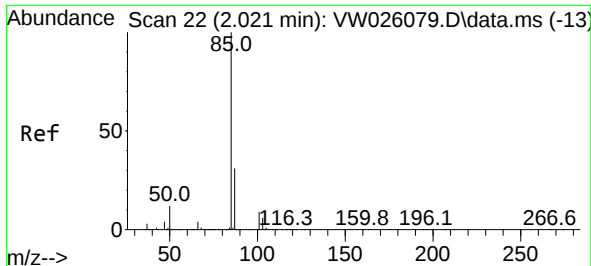
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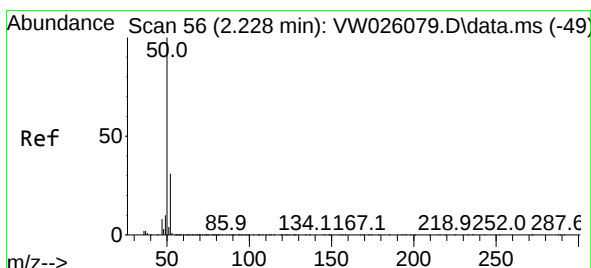
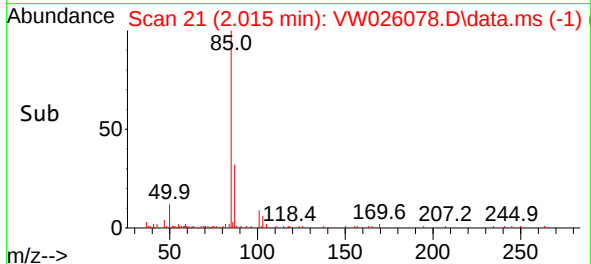
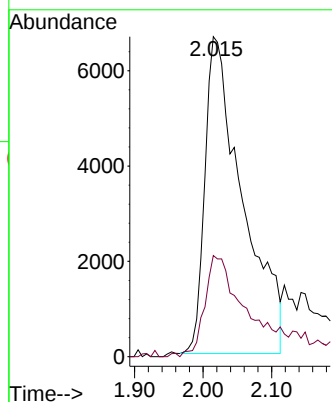
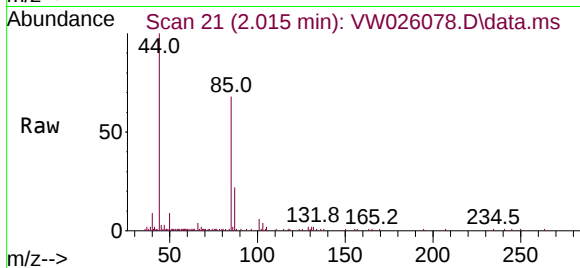




#2
Dichlorodifluoromethane
Concen: 2.462 ug/L
RT: 2.015 min Scan# 21
Delta R.T. -0.006 min
Lab File: VW026078.D
Acq: 30 May 2023 09:23

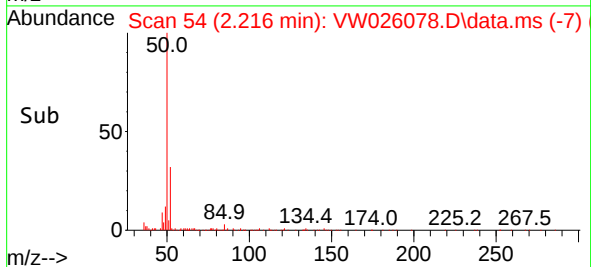
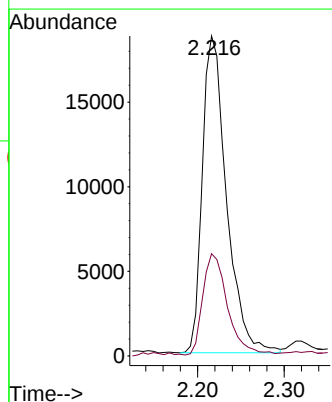
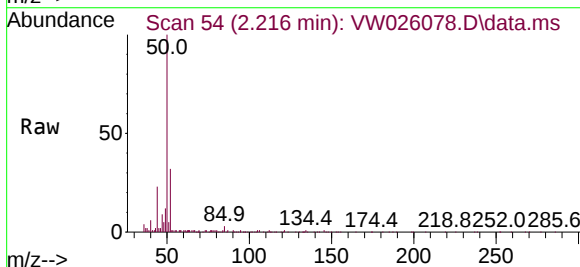
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ClientSampleId :
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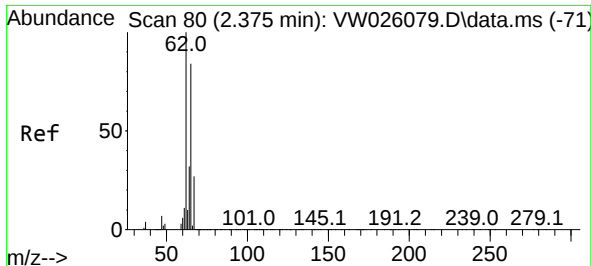
Tgt Ion: 85 Resp: 25411
Ion Ratio Lower Upper
85 100
87 25.4 22.2 33.2



#3
Chloromethane
Concen: 2.691 ug/L
RT: 2.216 min Scan# 54
Delta R.T. -0.012 min
Lab File: VW026078.D
Acq: 30 May 2023 09:23

Tgt Ion: 50 Resp: 36331
Ion Ratio Lower Upper
50 100
52 31.9 21.3 39.6

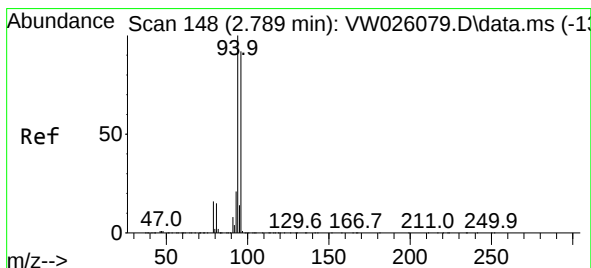
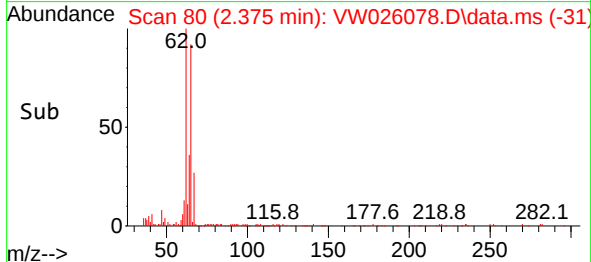
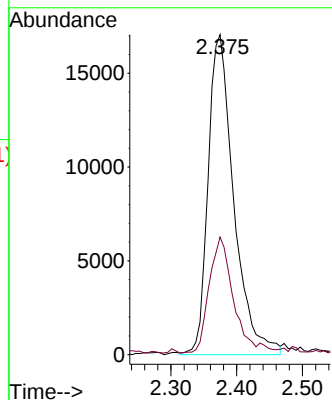
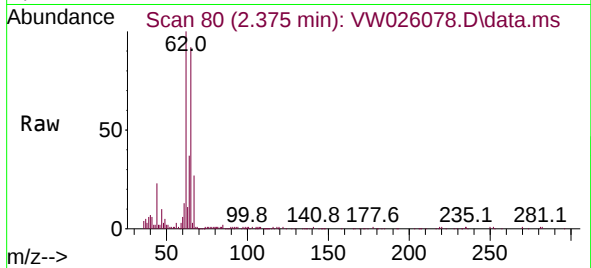




#5
 Vinyl chloride
 Concen: 3.212 ug/L
 RT: 2.375 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: VW026078.D
 Acq: 30 May 2023 09:23

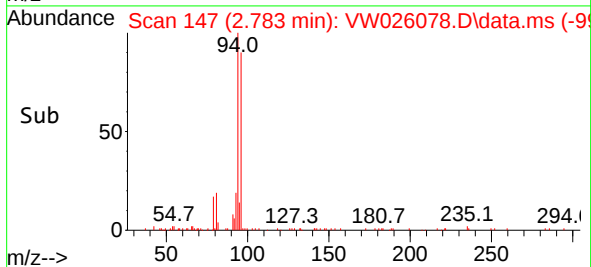
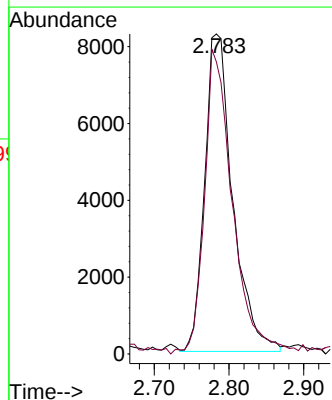
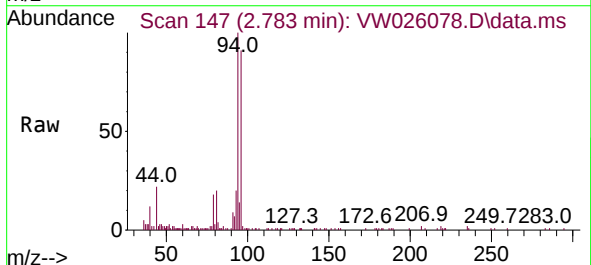
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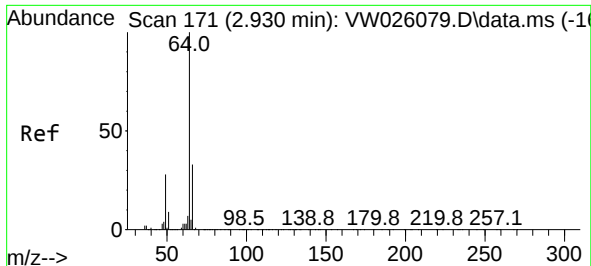
Tgt Ion: 62 Resp: 46355
 Ion Ratio Lower Upper
 62 100
 64 36.8 22.7 42.1



#6
 Bromomethane
 Concen: 2.747 ug/L
 RT: 2.783 min Scan# 147
 Delta R.T. -0.006 min
 Lab File: VW026078.D
 Acq: 30 May 2023 09:23

Tgt Ion: 94 Resp: 21615
 Ion Ratio Lower Upper
 94 100
 96 91.3 64.2 119.2

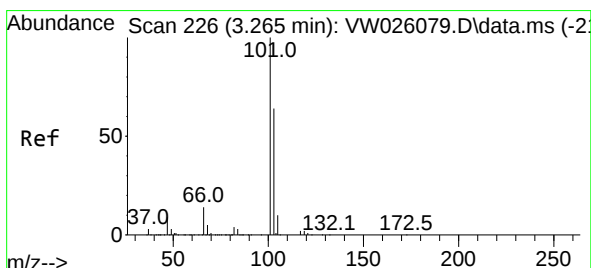
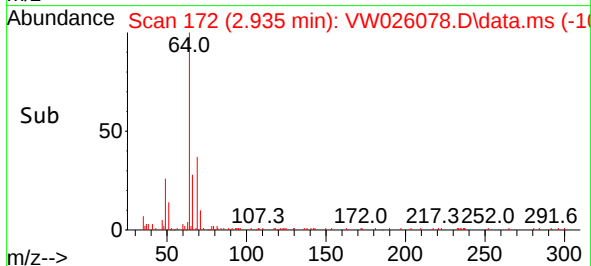
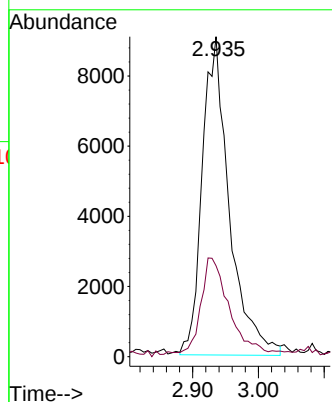
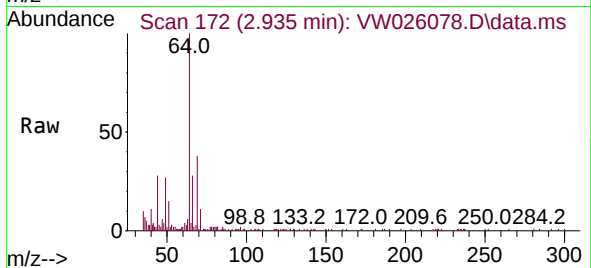




#8
Chloroethane
Concen: 3.326 ug/L
RT: 2.935 min Scan# 171
Delta R.T. 0.006 min
Lab File: VW026078.D
Acq: 30 May 2023 09:23

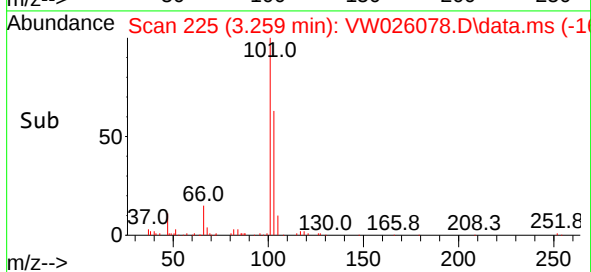
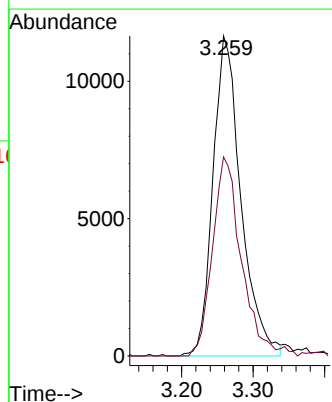
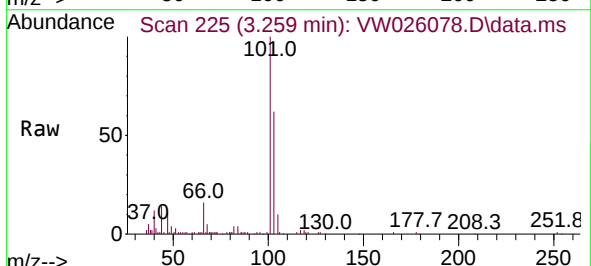
Instrument :
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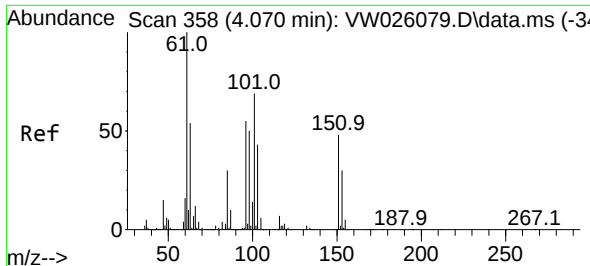
Tgt Ion: 64 Resp: 25937
Ion Ratio Lower Upper
64 100
66 28.4 23.2 43.2



#9
Trichlorofluoromethane
Concen: 3.411 ug/L
RT: 3.259 min Scan# 225
Delta R.T. -0.006 min
Lab File: VW026078.D
Acq: 30 May 2023 09:23

Tgt Ion: 101 Resp: 31672
Ion Ratio Lower Upper
101 100
103 63.2 51.6 77.4

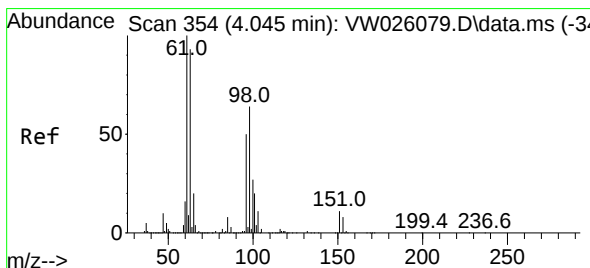
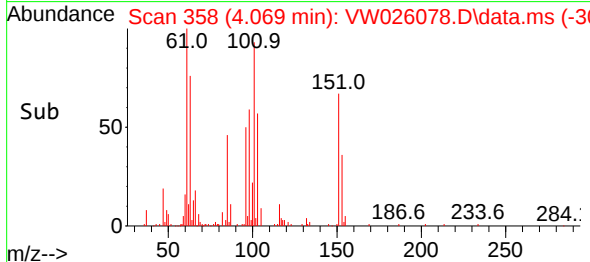
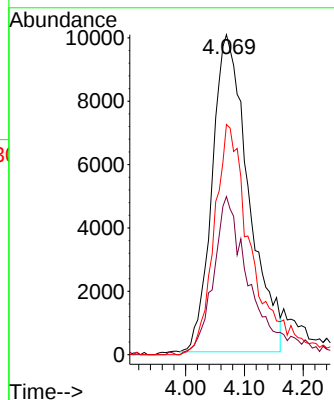
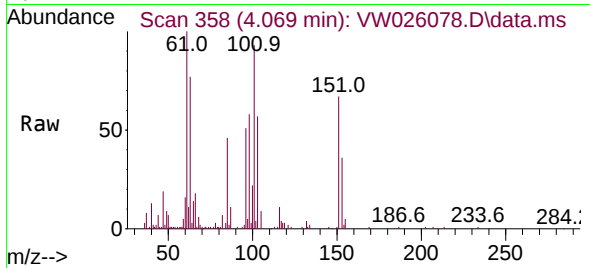




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 3.815 ug/L
 RT: 4.069 min Scan# 310
 Delta R.T. -0.000 min
 Lab File: VW026078.D
 Acq: 30 May 2023 09:23

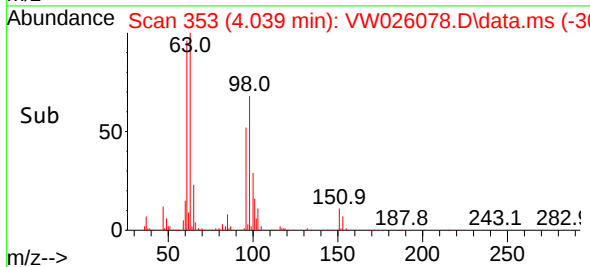
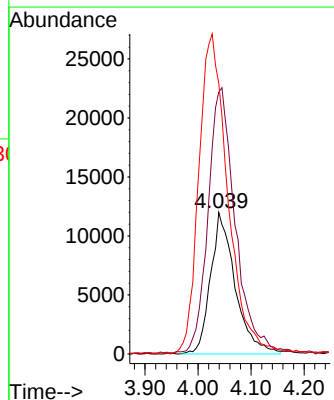
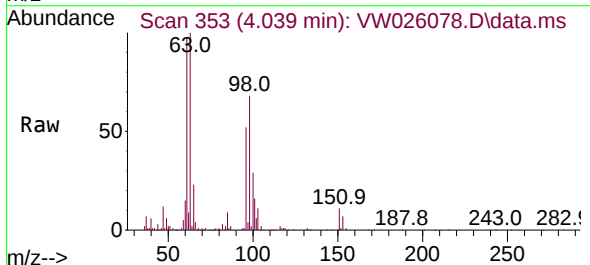
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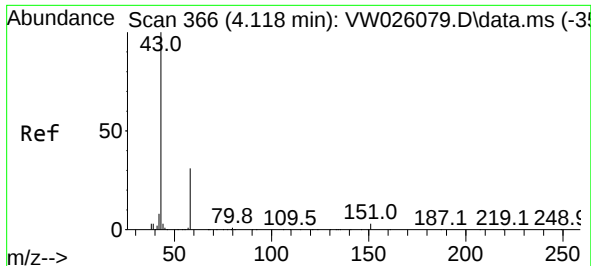
Tgt Ion:101 Resp: 43203
 Ion Ratio Lower Upper
 101 100
 85 47.5 36.1 54.1
 151 52.6 55.1 82.7#



#12
 1,1-Dichloroethene
 Concen: 3.539 ug/L
 RT: 4.039 min Scan# 353
 Delta R.T. -0.006 min
 Lab File: VW026078.D
 Acq: 30 May 2023 09:23

Tgt Ion: 96 Resp: 38702
 Ion Ratio Lower Upper
 96 100
 61 185.2 140.6 261.0
 63 191.5 131.7 244.5

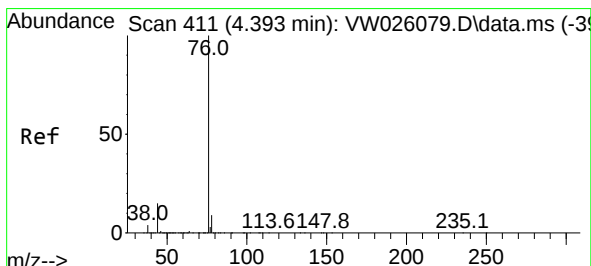
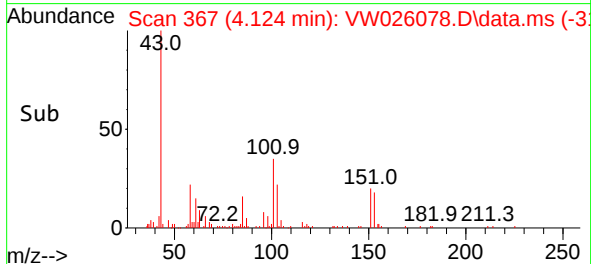
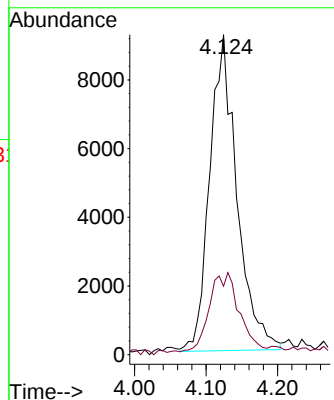
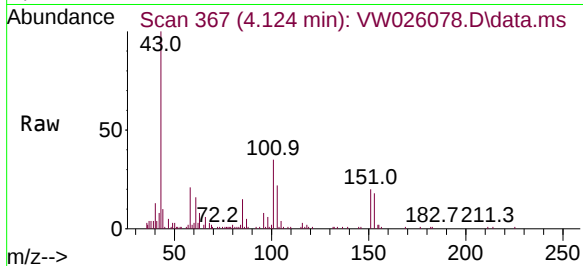




#13
Acetone
Concen: 8.930 ug/L
RT: 4.124 min Scan# 30
Delta R.T. 0.006 min
Lab File: VW026078.D
Acq: 30 May 2023 09:23

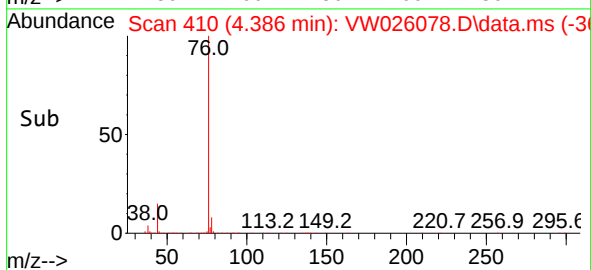
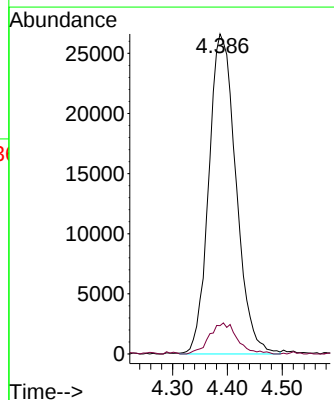
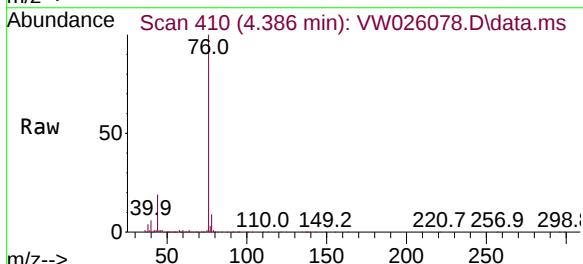
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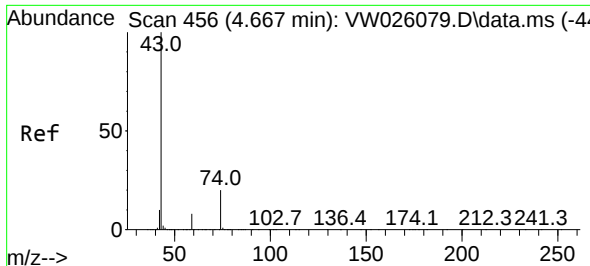
Tgt Ion: 43 Resp: 24308
Ion Ratio Lower Upper
43 100
58 14.3 0.0 58.2



#14
Carbon disulfide
Concen: 2.373 ug/L
RT: 4.386 min Scan# 410
Delta R.T. -0.006 min
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Tgt Ion: 76 Resp: 91623
Ion Ratio Lower Upper
76 100
78 8.9 7.2 10.8

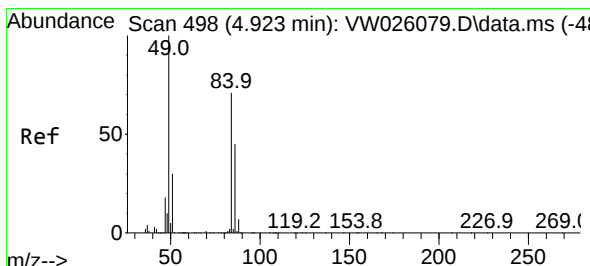
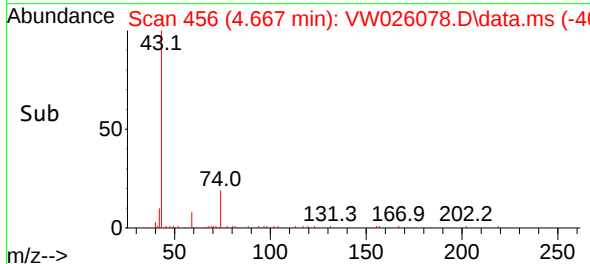
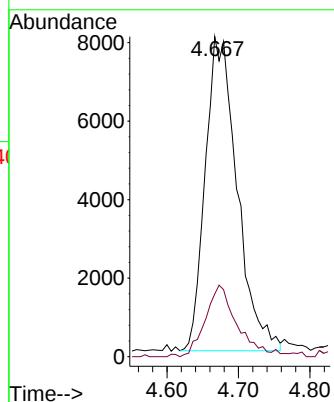
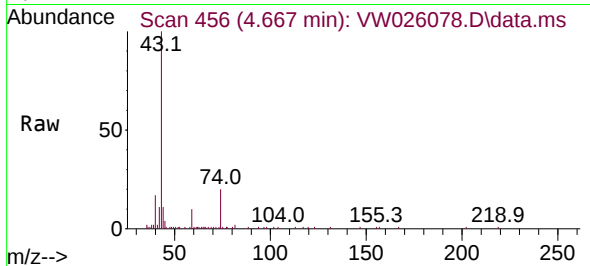




#15
Methyl Acetate
Concen: 4.053 ug/L
RT: 4.667 min Scan# 41
Delta R.T. -0.000 min
Lab File: VW026078.D
Acq: 30 May 2023 09:23

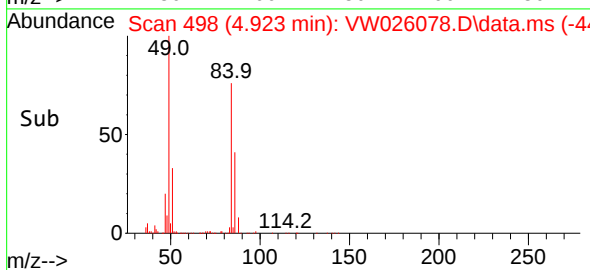
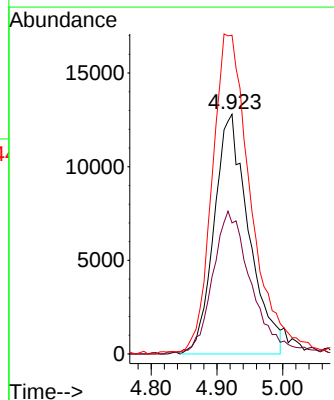
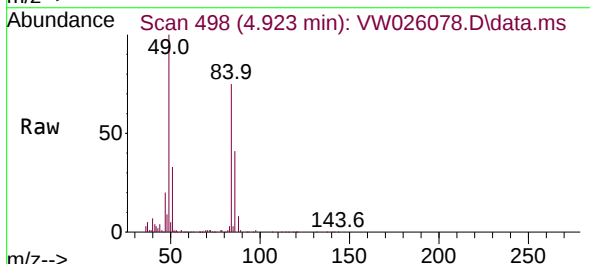
Instrument :
MSVOA_W
ClientSampleId :
VSTD005458

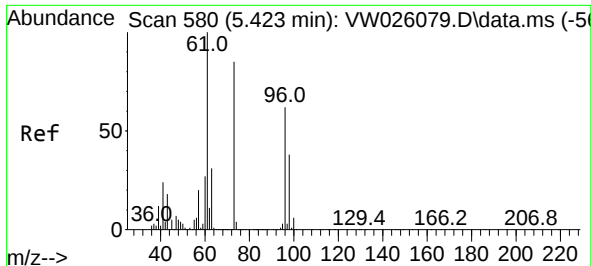
Tgt Ion: 43 Resp: 24763
Ion Ratio Lower Upper
43 100
74 22.1 16.6 25.0



#16
Methylene chloride
Concen: 3.425 ug/L
RT: 4.923 min Scan# 498
Delta R.T. -0.000 min
Lab File: VW026078.D
Acq: 30 May 2023 09:23

Tgt Ion: 84 Resp: 46956
Ion Ratio Lower Upper
84 100
86 54.7 44.2 82.0
49 132.9 98.8 183.6



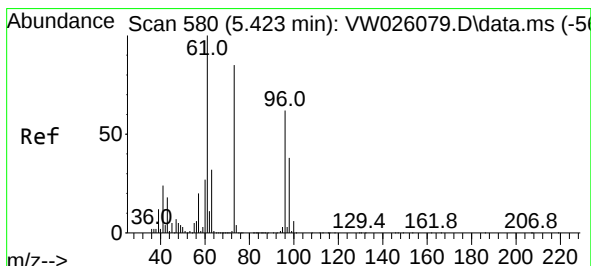
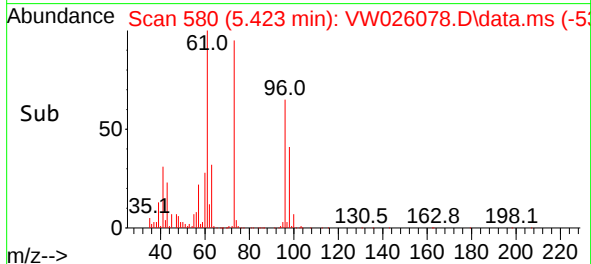
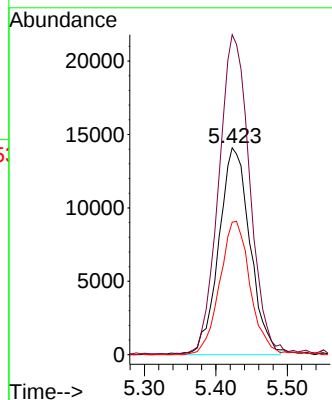
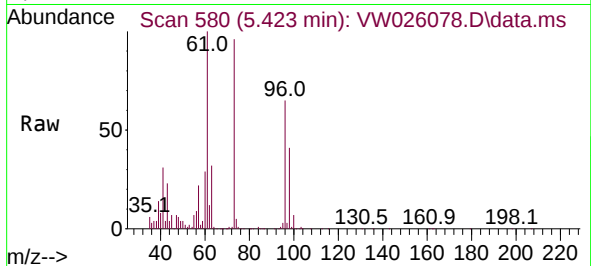


#17
 trans-1,2-Dichloroethene
 Concen: 3.481 ug/L
 RT: 5.423 min Scan# 580
 Delta R.T. -0.000 min
 Lab File: VW026078.D
 Acq: 30 May 2023 09:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD005458

Tgt Ion: 96 Resp: 42711

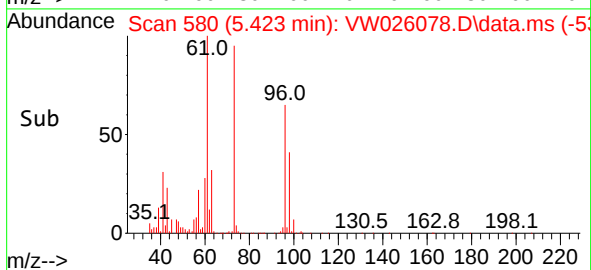
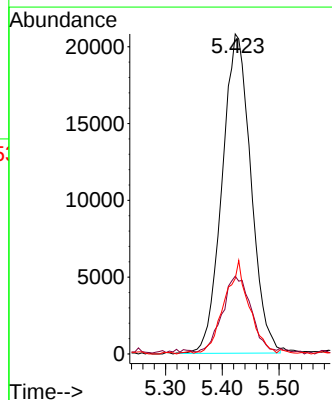
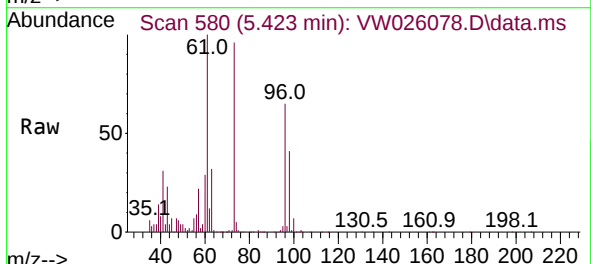
Ion	Ratio	Lower	Upper
96	100		
61	154.6	113.0	209.8
98	64.0	42.5	78.9

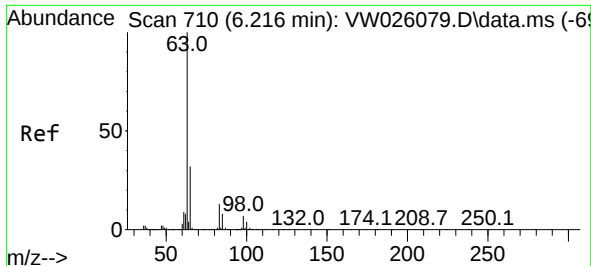


#18
 Methyl tert-butyl Ether
 Concen: 3.784 ug/L
 RT: 5.423 min Scan# 580
 Delta R.T. -0.000 min
 Lab File: VW026078.D
 Acq: 30 May 2023 09:23

Tgt Ion: 73 Resp: 73177

Ion	Ratio	Lower	Upper
73	100		
43	24.0	17.8	26.6
57	24.7	18.9	28.3





#19

1,1-Dichloroethane

Concen: 4.027 ug/L

RT: 6.215 min Scan# 710

Delta R.T. -0.000 min

Lab File: VW026078.D

Acq: 30 May 2023 09:23

Instrument :

MSVOA_W

ClientSampleId :

VSTD005458

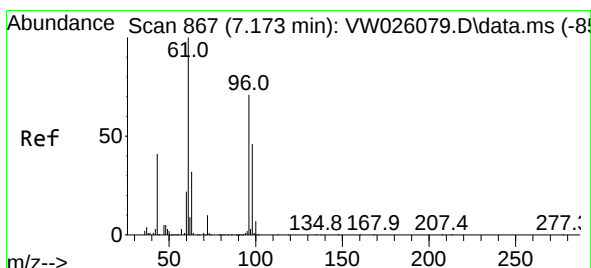
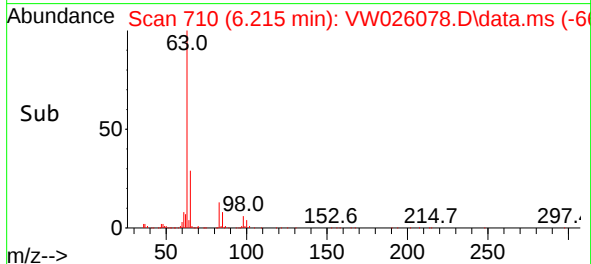
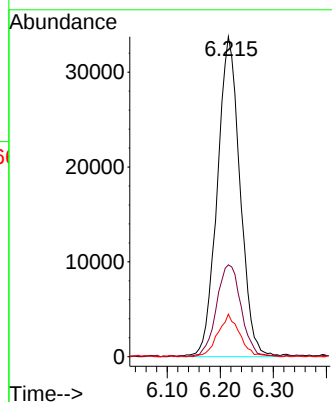
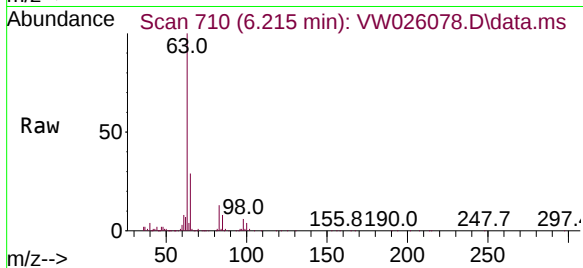
Tgt Ion: 63 Resp: 100588

Ion Ratio Lower Upper

63 100

65 28.7 22.3 41.5

83 13.3 9.1 16.9



#20

cis-1,2-Dichloroethene

Concen: 3.799 ug/L

RT: 7.166 min Scan# 866

Delta R.T. -0.006 min

Lab File: VW026078.D

Acq: 30 May 2023 09:23

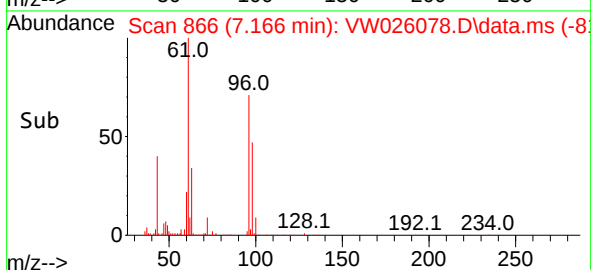
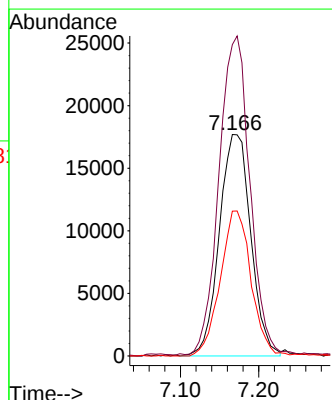
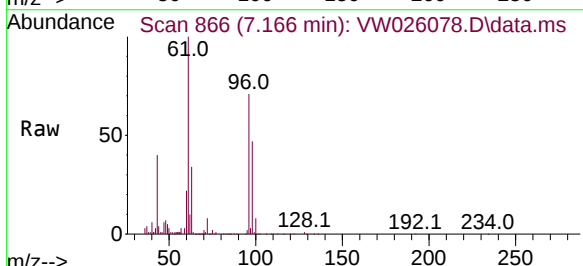
Tgt Ion: 96 Resp: 49376

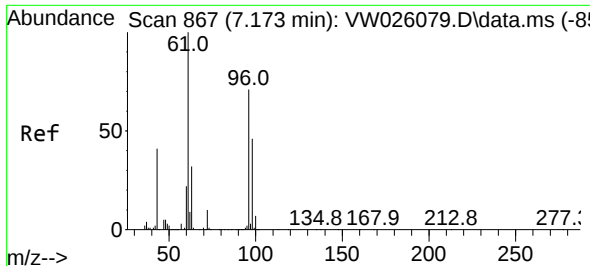
Ion Ratio Lower Upper

96 100

61 140.6 98.4 182.8

98 65.4 45.2 84.0

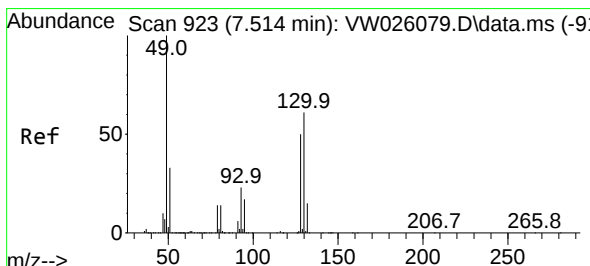
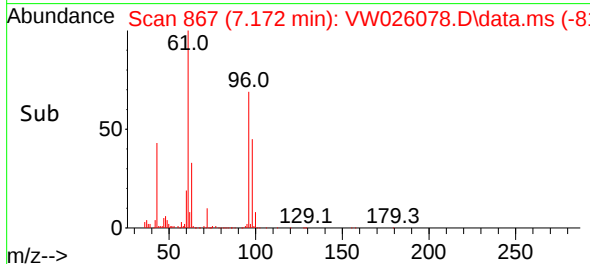
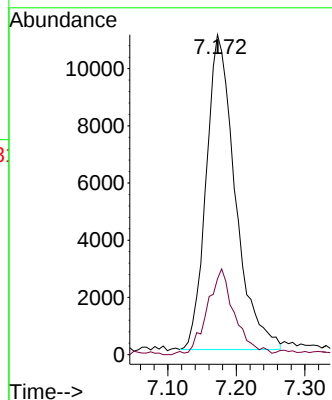
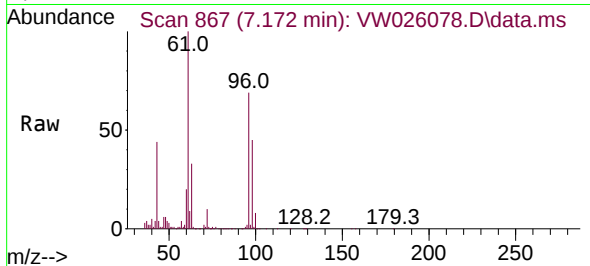




#22
2-Butanone
Concen: 8.370 ug/L
RT: 7.172 min Scan# 867
Delta R.T. -0.000 min
Lab File: VW026078.D
Acq: 30 May 2023 09:23

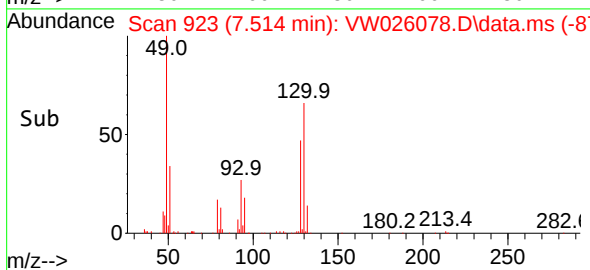
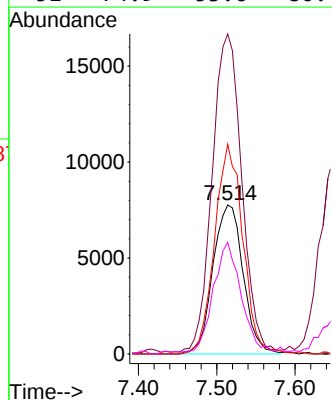
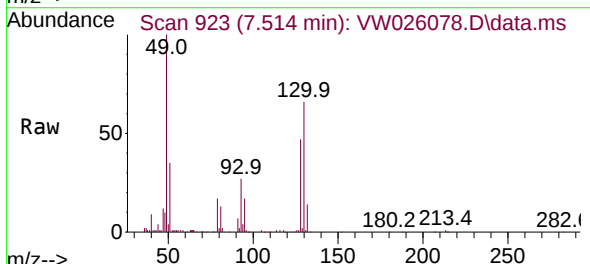
Instrument :
MSVOA_W
ClientSampleId :
VSTD005458

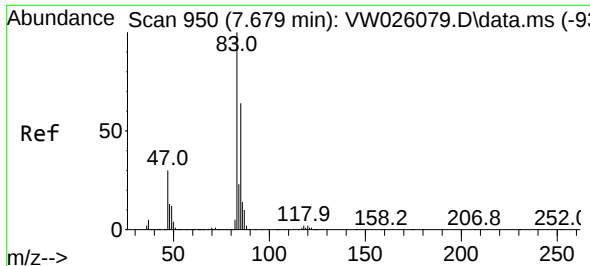
Tgt Ion: 43 Resp: 32472
Ion Ratio Lower Upper
43 100
72 24.9 12.4 37.4



#23
Bromochloromethane
Concen: 3.752 ug/L
RT: 7.514 min Scan# 923
Delta R.T. -0.000 min
Lab File: VW026078.D
Acq: 30 May 2023 09:23

Tgt Ion: 128 Resp: 20796
Ion Ratio Lower Upper
128 100
49 214.8 140.6 261.0
130 140.8 86.0 159.6
51 74.9 53.6 80.4

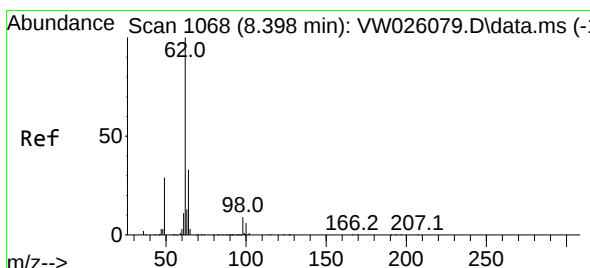
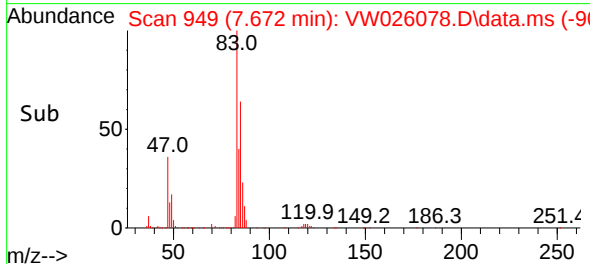
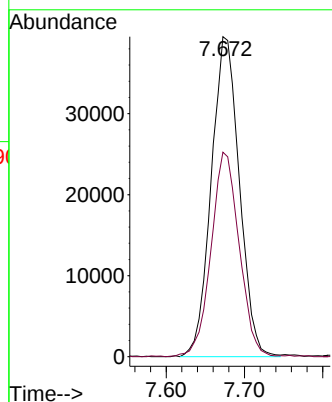
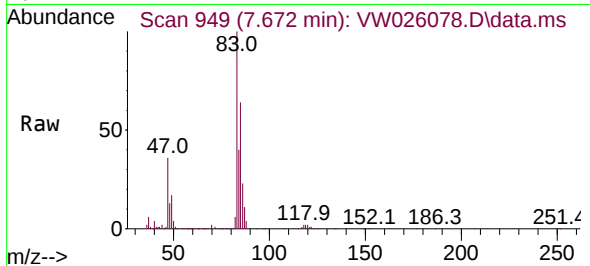




#25
Chloroform
Concen: 4.231 ug/L
RT: 7.672 min Scan# 949
Delta R.T. -0.006 min
Lab File: VW026078.D
Acq: 30 May 2023 09:23

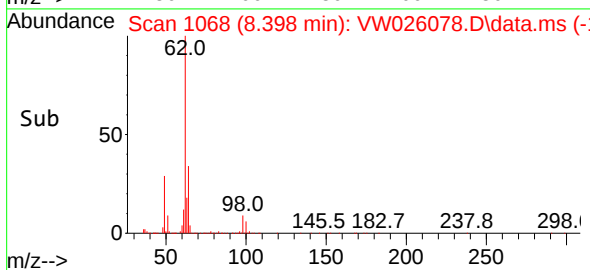
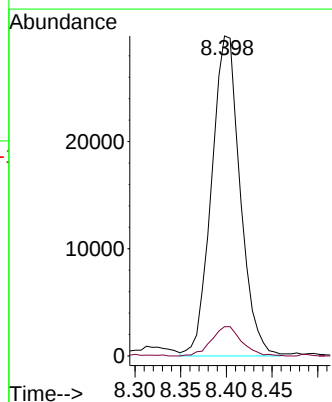
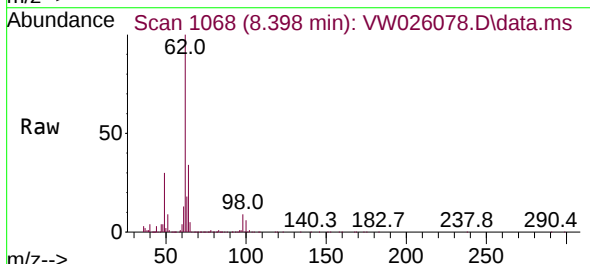
Instrument :
MSVOA_W
ClientSampleId :
VSTD005458

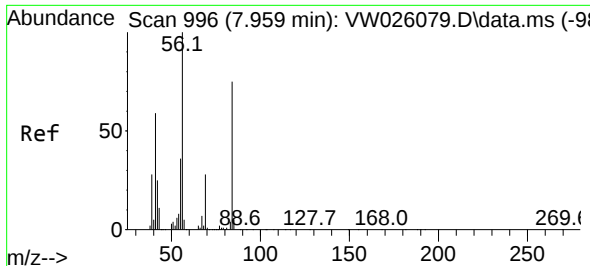
Tgt Ion: 83 Resp: 98437
Ion Ratio Lower Upper
83 100
85 63.9 45.1 83.7



#27
1,2-Dichloroethane
Concen: 4.053 ug/L
RT: 8.398 min Scan# 1068
Delta R.T. -0.000 min
Lab File: VW026078.D
Acq: 30 May 2023 09:23

Tgt Ion: 62 Resp: 65037
Ion Ratio Lower Upper
62 100
98 9.1 7.4 11.2

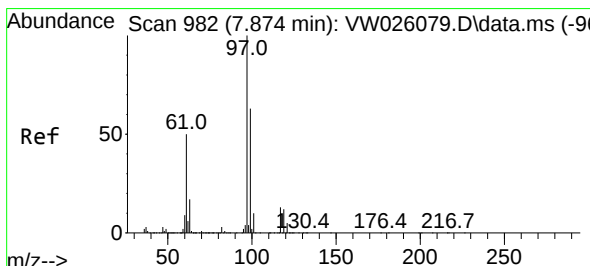
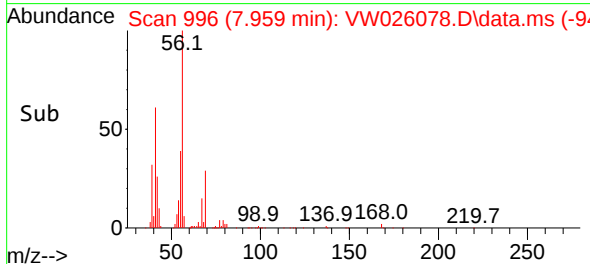
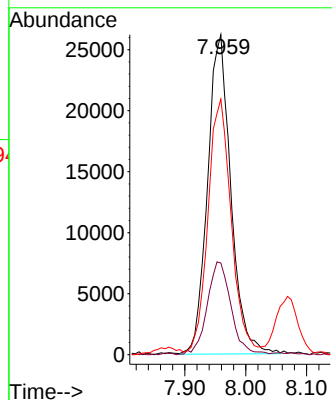
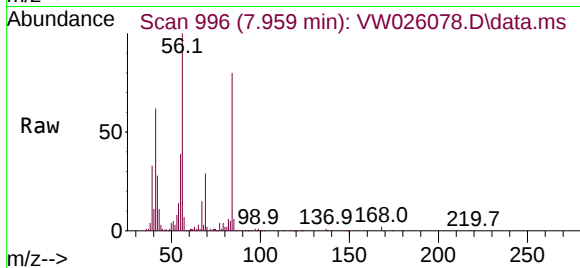




#29
Cyclohexane
Concen: 3.030 ug/L
RT: 7.959 min Scan# 996
Delta R.T. -0.000 min
Lab File: VW026078.D
Acq: 30 May 2023 09:23

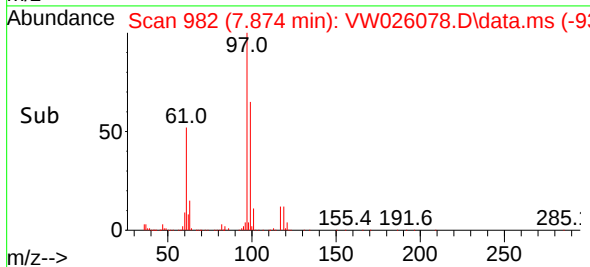
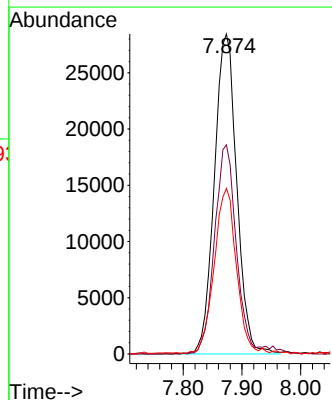
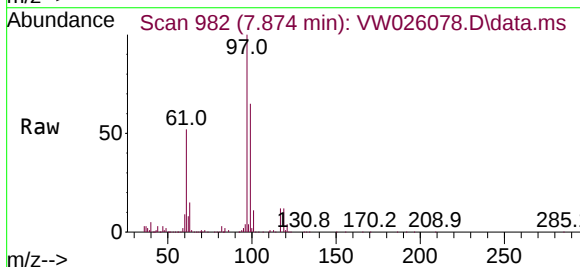
Instrument :
MSVOA_W
ClientSampleId :
VSTD005458

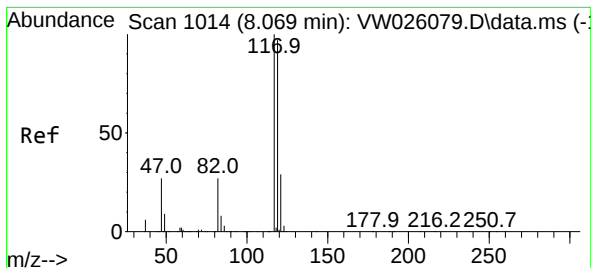
Tgt Ion:	56	Resp:	69574
Ion	Ratio	Lower	Upper
56	100		
69	29.4	23.3	34.9
84	79.7	63.0	94.6



#30
1,1,1-Trichloroethane
Concen: 4.172 ug/L
RT: 7.874 min Scan# 982
Delta R.T. -0.000 min
Lab File: VW026078.D
Acq: 30 May 2023 09:23

Tgt Ion:	97	Resp:	75308
Ion	Ratio	Lower	Upper
97	100		
99	62.7	50.6	76.0
61	50.6	40.5	60.7





#31

Carbon tetrachloride

Concen: 3.971 ug/L

RT: 8.069 min Scan# 1014

Delta R.T. -0.000 min

Lab File: VW026078.D

Acq: 30 May 2023 09:23

Instrument :

MSVOA_W

ClientSampleId :

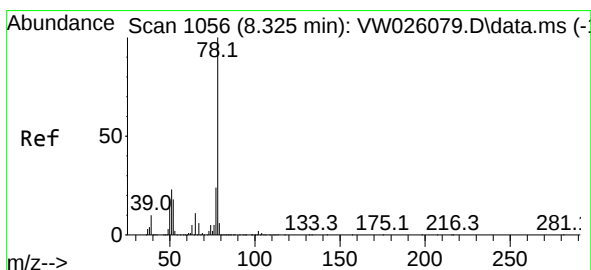
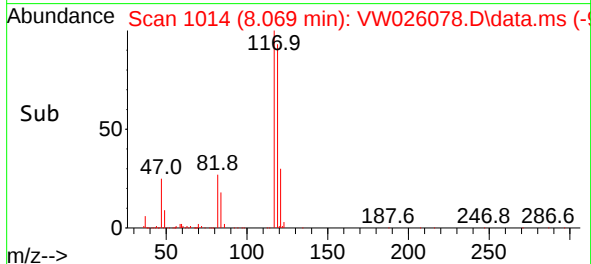
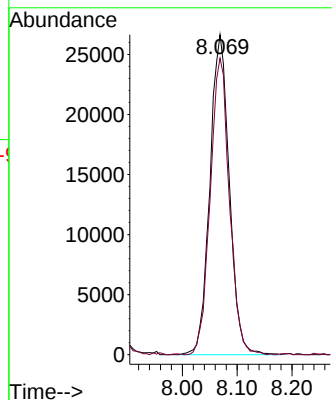
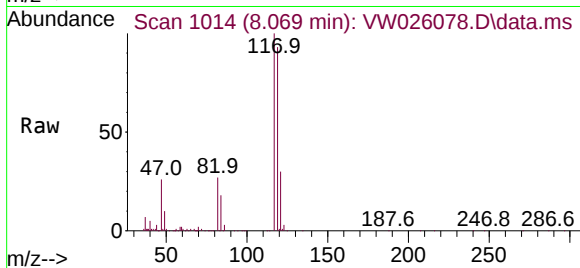
VSTD005458

Tgt Ion:117 Resp: 65420

Ion Ratio Lower Upper

117 100

119 91.9 77.4 116.2



#33

Benzene

Concen: 3.802 ug/L

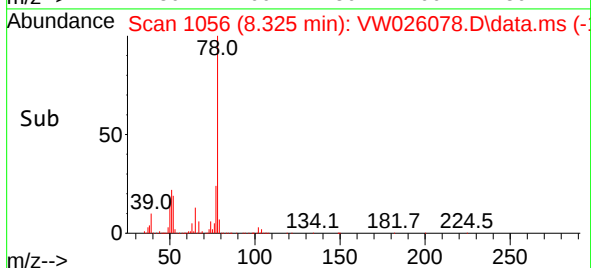
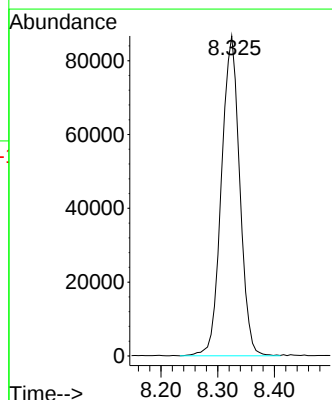
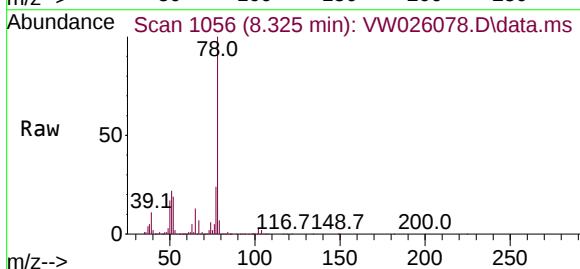
RT: 8.325 min Scan# 1056

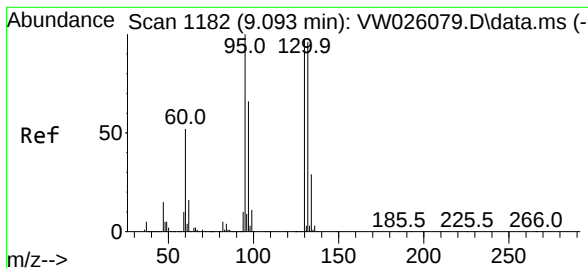
Delta R.T. -0.000 min

Lab File: VW026078.D

Acq: 30 May 2023 09:23

Tgt Ion: 78 Resp: 193745





#34

Trichloroethene

Concen: 3.936 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. -0.000 min

Lab File: VW026078.D

Acq: 30 May 2023 09:23

Instrument :

MSVOA_W

ClientSampleId :

VSTD005458

Tgt Ion: 95 Resp: 51358

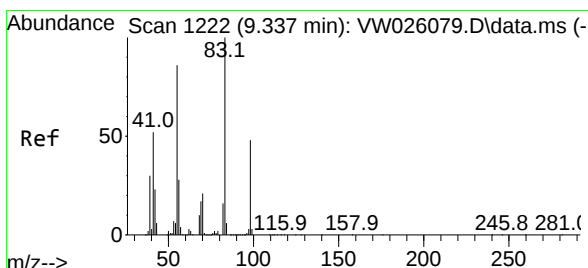
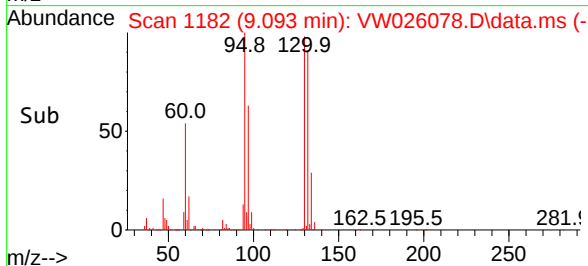
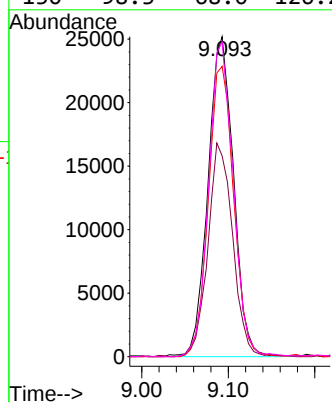
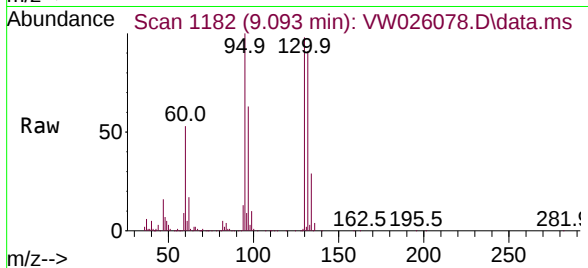
Ion Ratio Lower Upper

95 100

97 62.8 45.9 85.3

132 90.8 67.1 124.7

130 98.3 68.0 126.2



#35

Methylcyclohexane

Concen: 3.264 ug/L

RT: 9.331 min Scan# 1221

Delta R.T. -0.006 min

Lab File: VW026078.D

Acq: 30 May 2023 09:23

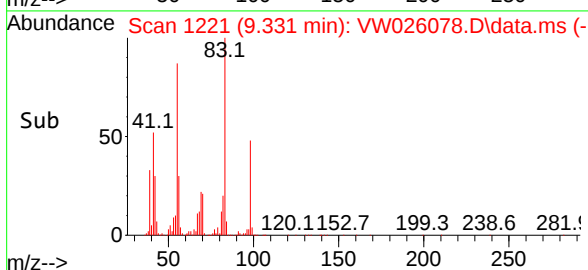
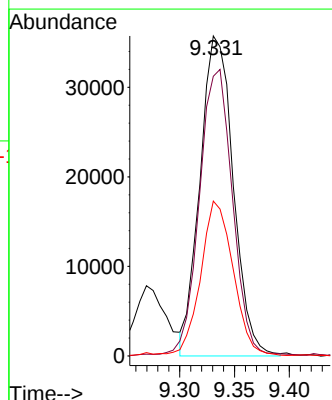
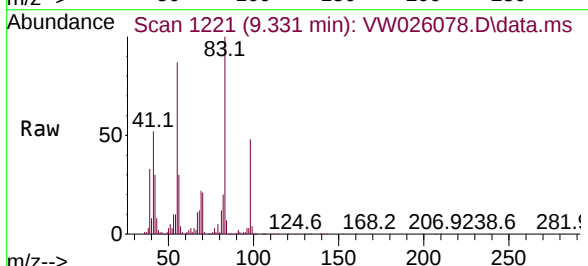
Tgt Ion: 83 Resp: 75353

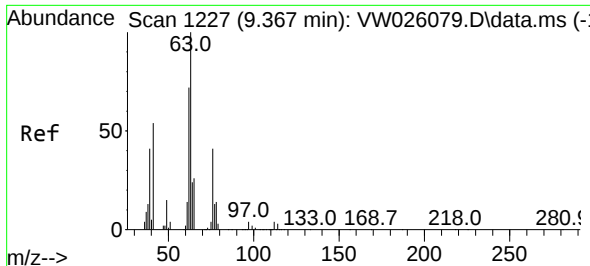
Ion Ratio Lower Upper

83 100

55 88.7 68.2 102.4

98 47.2 38.1 57.1





#37

1,2-Dichloropropane

Concen: 4.173 ug/L

RT: 9.367 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW026078.D

Acq: 30 May 2023 09:23

Instrument :

MSVOA_W

ClientSampleId :

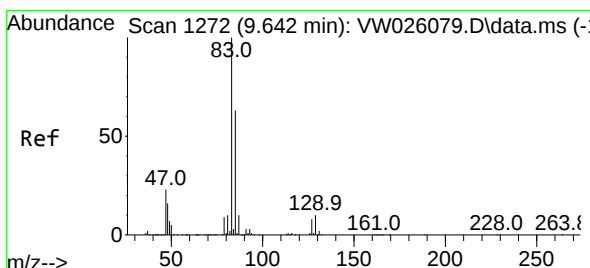
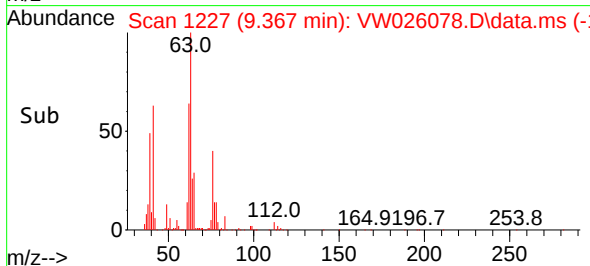
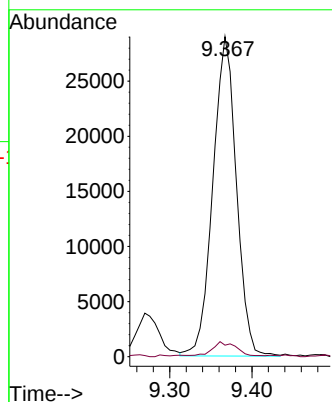
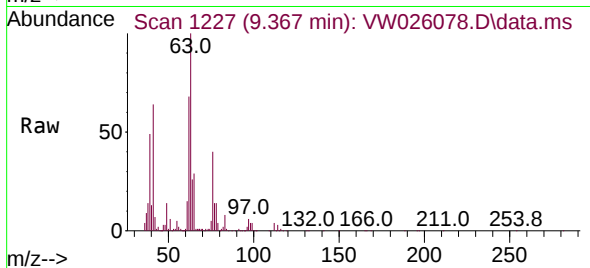
VSTD005458

Tgt Ion: 63 Resp: 57595

Ion Ratio Lower Upper

63 100

112 2.3 3.3 4.9#



#38

Bromodichloromethane

Concen: 4.295 ug/L

RT: 9.648 min Scan# 1273

Delta R.T. 0.006 min

Lab File: VW026078.D

Acq: 30 May 2023 09:23

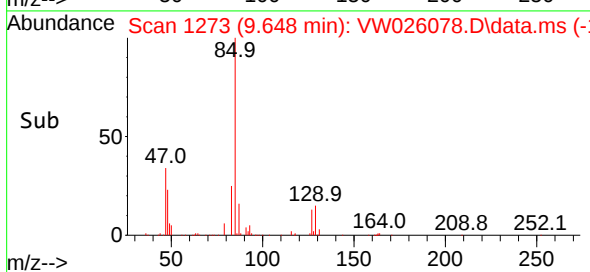
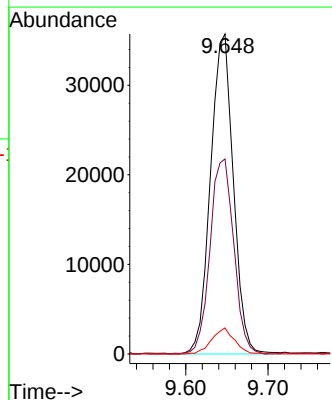
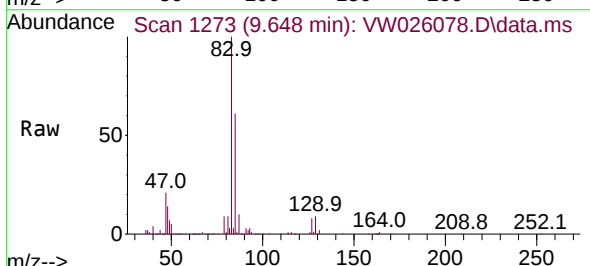
Tgt Ion: 83 Resp: 68866

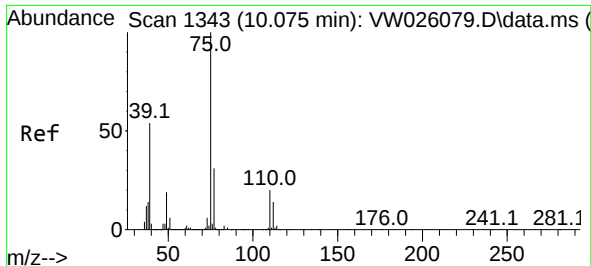
Ion Ratio Lower Upper

83 100

85 60.9 44.2 82.0

127 8.1 6.2 9.2

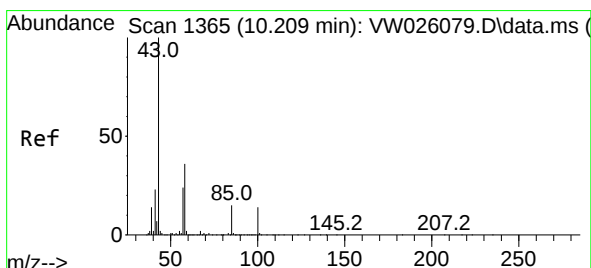
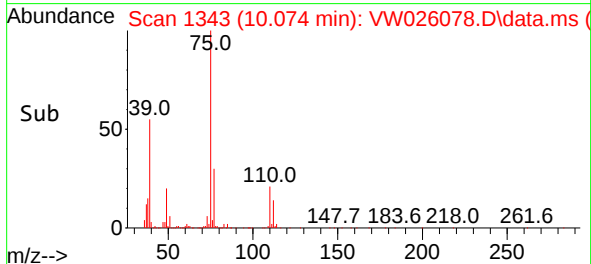
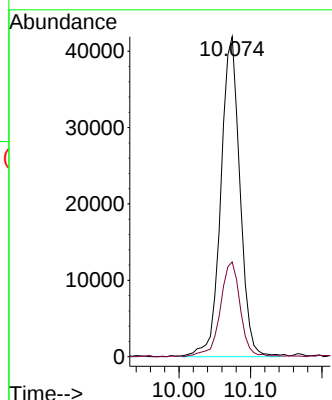
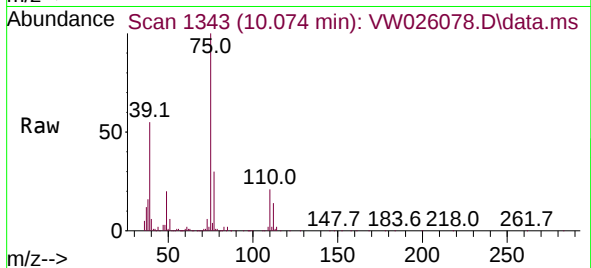




#39
 cis-1,3-Dichloropropene
 Concen: 3.836 ug/L
 RT: 10.074 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VW026078.D
 Acq: 30 May 2023 09:23

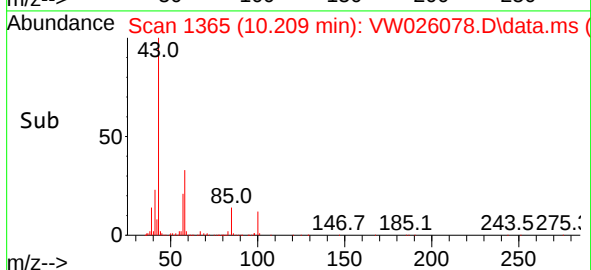
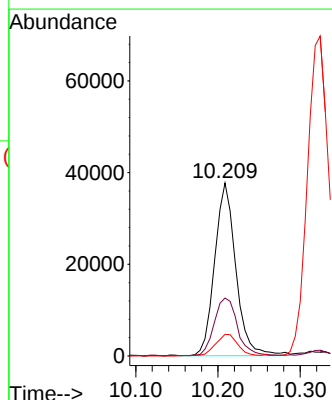
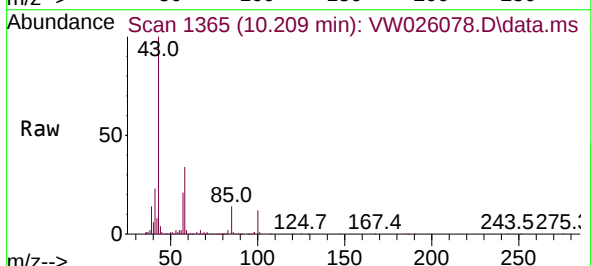
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD005458

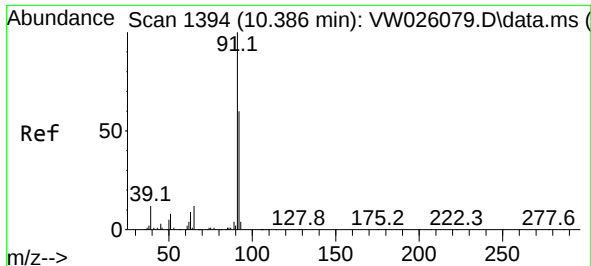
Tgt Ion: 75 Resp: 77799
 Ion Ratio Lower Upper
 75 100
 77 29.6 22.0 40.8



#40
 4-Methyl-2-pentanone
 Concen: 8.281 ug/L
 RT: 10.209 min Scan# 1365
 Delta R.T. -0.000 min
 Lab File: VW026078.D
 Acq: 30 May 2023 09:23

Tgt Ion: 43 Resp: 67386
 Ion Ratio Lower Upper
 43 100
 58 36.5 29.0 43.4
 100 13.2 10.5 15.7

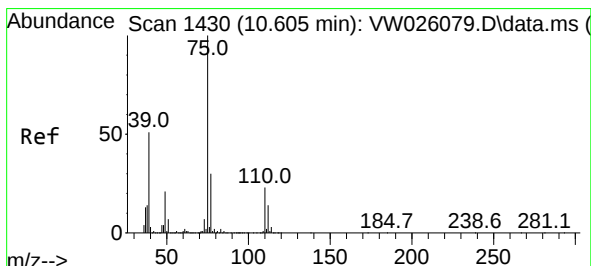
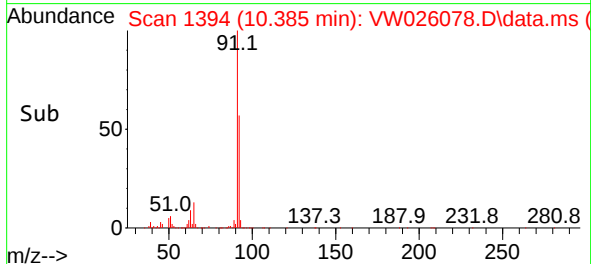
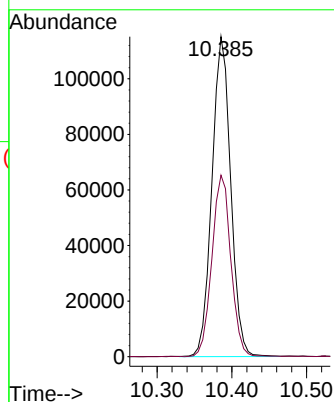
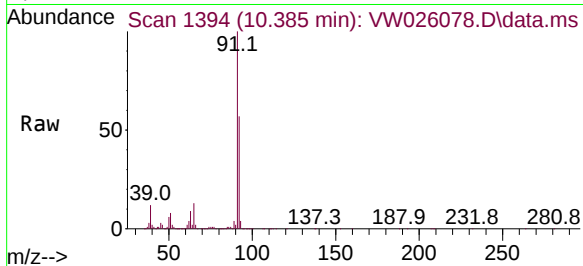




#42
Toluene
Concen: 3.852 ug/L
RT: 10.385 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW026078.D
Acq: 30 May 2023 09:23

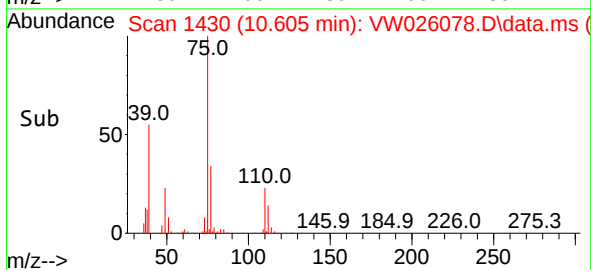
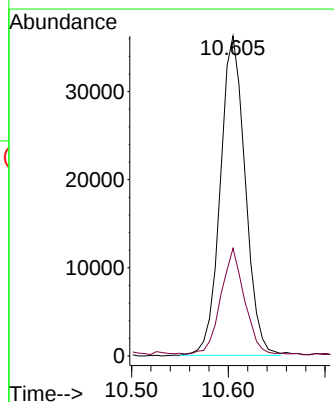
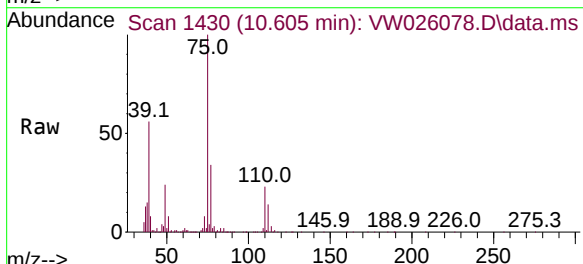
Instrument :
MSVOA_W
ClientSampleId :
VSTD005458

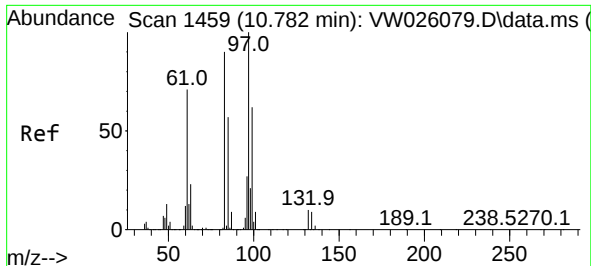
Tgt Ion: 91 Resp: 200759
Ion Ratio Lower Upper
91 100
92 56.7 42.2 78.4



#44
trans-1,3-Dichloropropene
Concen: 3.831 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VW026078.D
Acq: 30 May 2023 09:23

Tgt Ion: 75 Resp: 64730
Ion Ratio Lower Upper
75 100
77 33.7 21.1 39.3





#45

1,1,2-Trichloroethane

Concen: 4.403 ug/L

RT: 10.782 min Scan# 1459

Delta R.T. -0.000 min

Lab File: VW026078.D

Acq: 30 May 2023 09:23

Instrument :

MSVOA_W

ClientSampleId :

VSTD005458

Tgt Ion: 97 Resp: 40049

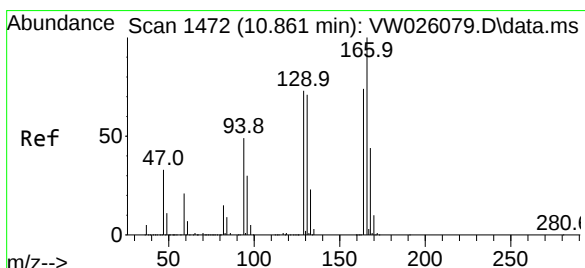
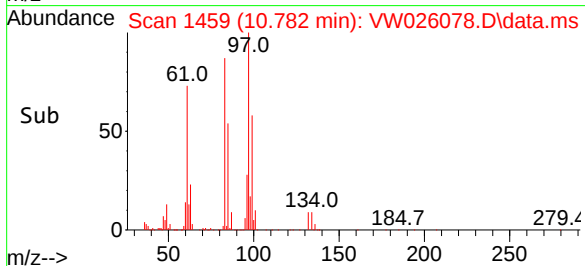
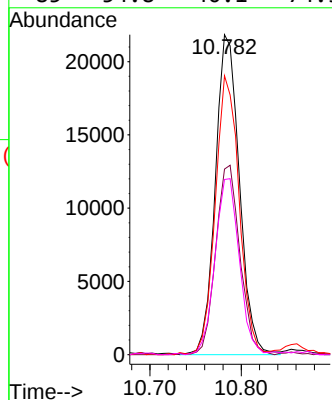
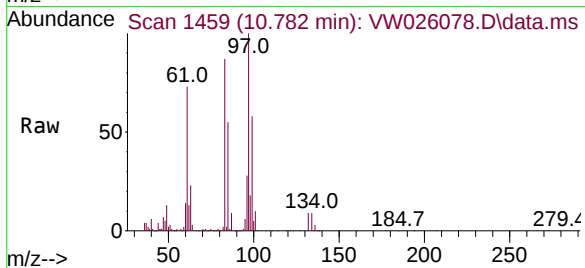
Ion Ratio Lower Upper

97 100

99 58.0 43.3 80.5

83 87.1 62.9 116.9

85 54.8 40.1 74.5



#46

Tetrachloroethene

Concen: 3.683 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. -0.000 min

Lab File: VW026078.D

Acq: 30 May 2023 09:23

Tgt Ion:164 Resp: 33988

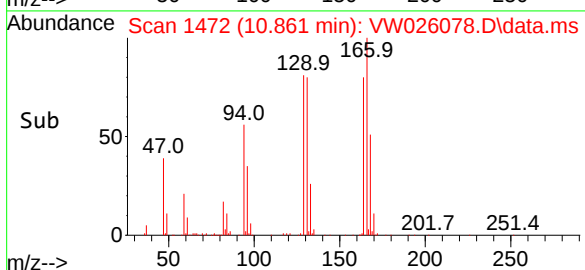
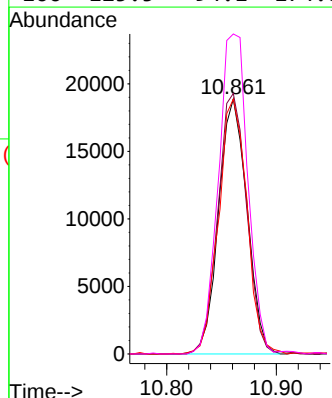
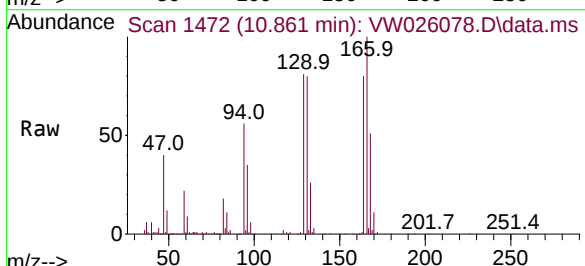
Ion Ratio Lower Upper

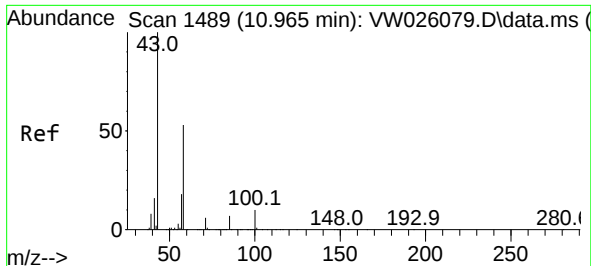
164 100

129 102.1 68.5 127.1

131 100.0 67.1 124.7

166 125.5 94.1 174.8

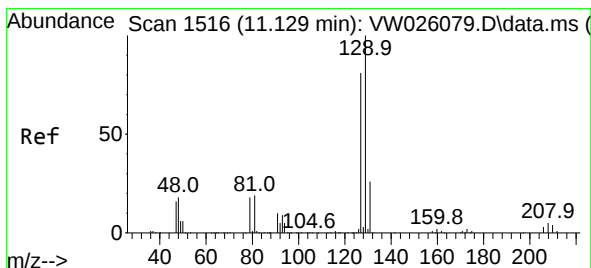
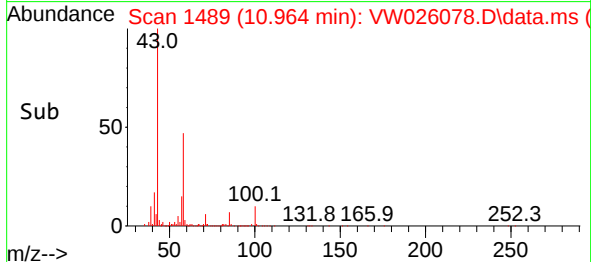
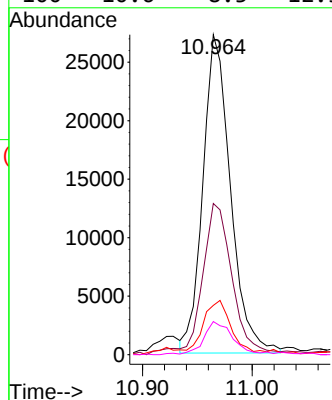
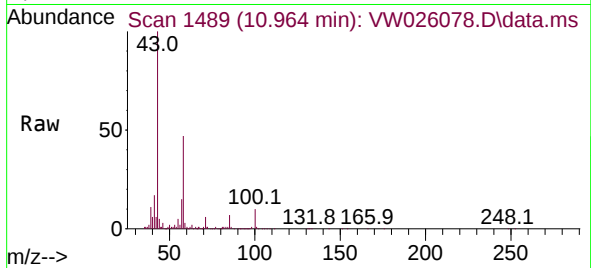




#48
2-Hexanone
Concen: 8.320 ug/L
RT: 10.964 min Scan# 1489
Delta R.T. -0.000 min
Lab File: VW026078.D
Acq: 30 May 2023 09:23

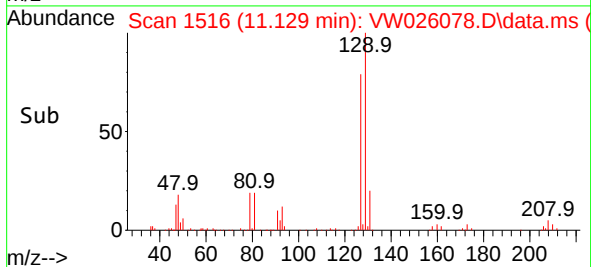
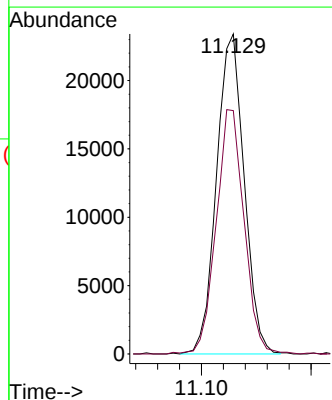
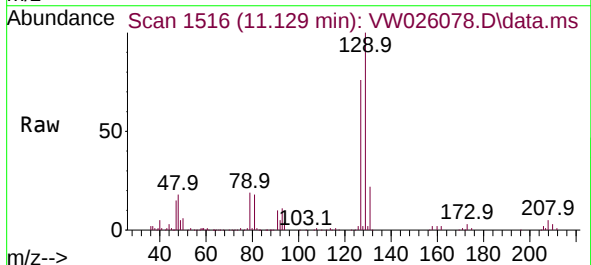
Instrument :
MSVOA_W
ClientSampleId :
VSTD005458

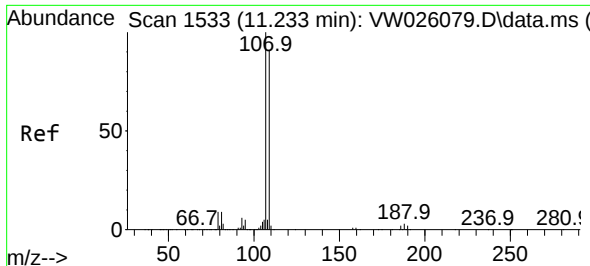
Tgt Ion: 43	Resp: 47734
Ion Ratio	Lower Upper
43 100	
58 49.2	42.2 63.2
57 16.5	14.2 21.2
100 10.6	8.3 12.5



#49
Dibromochloromethane
Concen: 4.298 ug/L
RT: 11.129 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VW026078.D
Acq: 30 May 2023 09:23

Tgt Ion:129	Resp:	40987	
Ion	Ratio	Lower	Upper
129	100		
127	76.1	56.9	105.7





#50

1,2-Dibromoethane

Concen: 4.110 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. -0.000 min

Lab File: VW026078.D

Acq: 30 May 2023 09:23

Instrument :

MSVOA_W

ClientSampleId :

VSTD005458

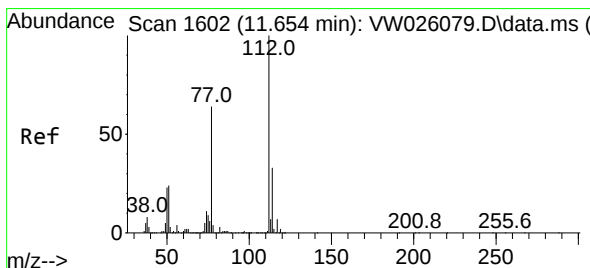
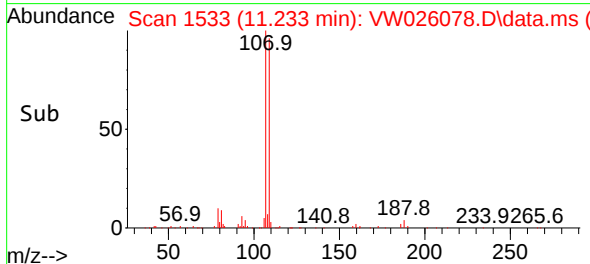
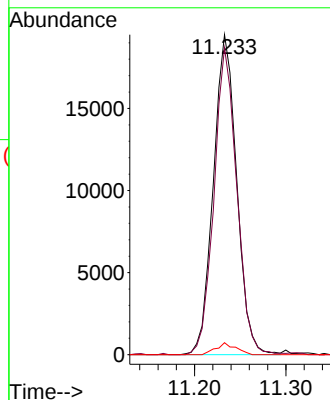
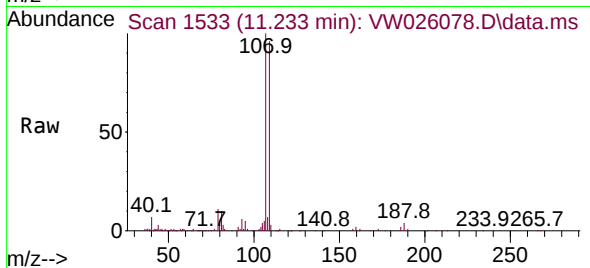
Tgt Ion:107 Resp: 34613

Ion Ratio Lower Upper

107 100

109 95.9 64.0 119.0

188 3.7 2.6 3.8



#51

Chlorobenzene

Concen: 4.095 ug/L

RT: 11.653 min Scan# 1602

Delta R.T. -0.000 min

Lab File: VW026078.D

Acq: 30 May 2023 09:23

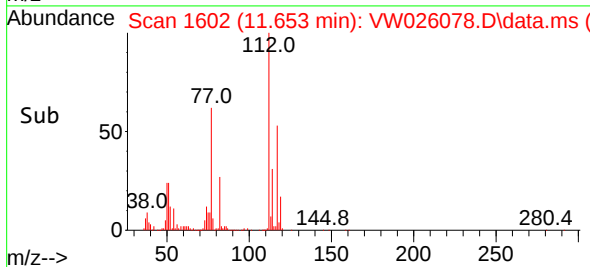
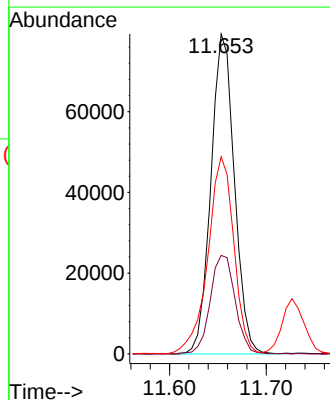
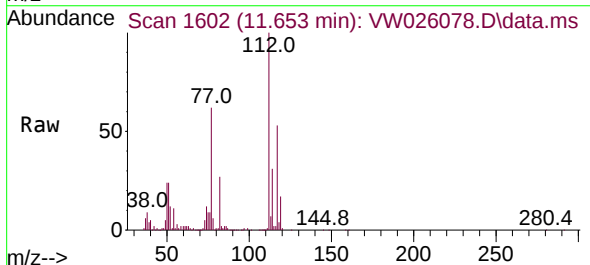
Tgt Ion:112 Resp: 133760

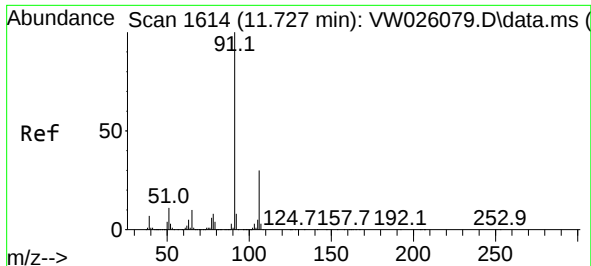
Ion Ratio Lower Upper

112 100

114 30.8 23.0 42.6

77 61.6 50.9 76.3





#52

Ethylbenzene

Concen: 3.913 ug/L

RT: 11.727 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW026078.D

Acq: 30 May 2023 09:23

Instrument :

MSVOA_W

ClientSampleId :

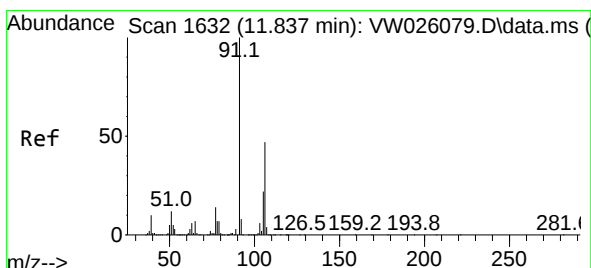
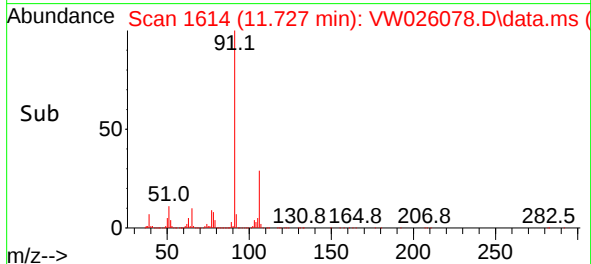
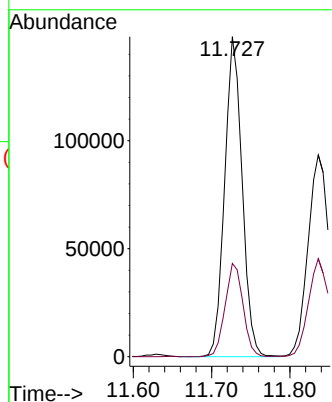
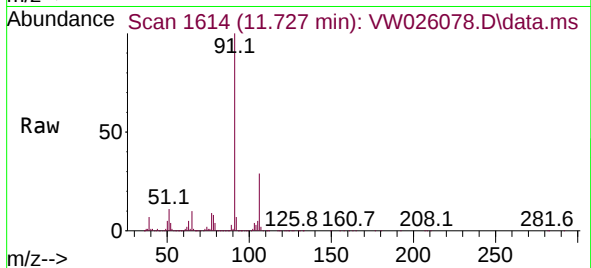
VSTD005458

Tgt Ion: 91 Resp: 230055

Ion Ratio Lower Upper

91 100

106 29.2 21.2 39.4



#53

m,p-Xylene

Concen: 3.765 ug/L

RT: 11.836 min Scan# 1632

Delta R.T. -0.000 min

Lab File: VW026078.D

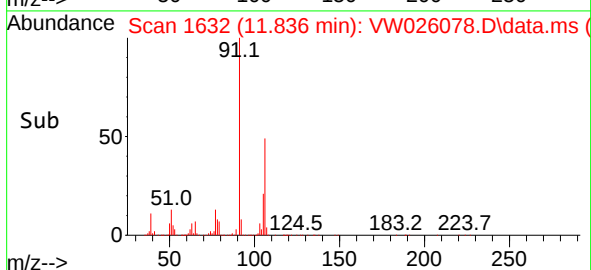
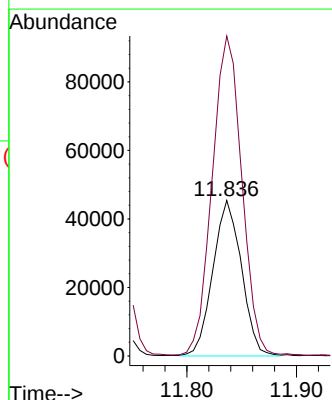
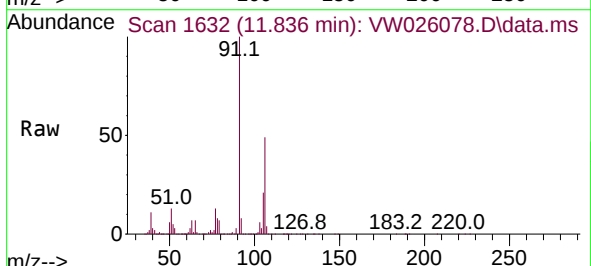
Acq: 30 May 2023 09:23

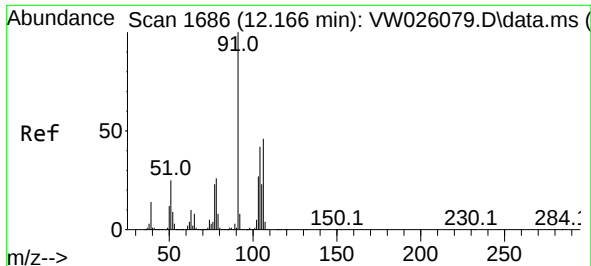
Tgt Ion:106 Resp: 82345

Ion Ratio Lower Upper

106 100

91 205.8 149.5 277.7

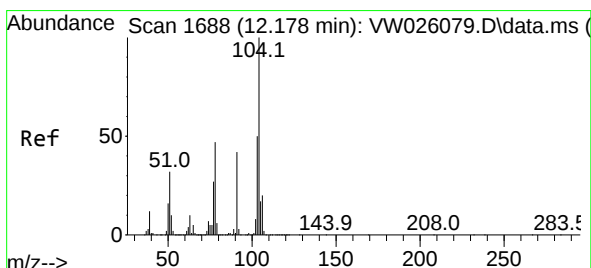
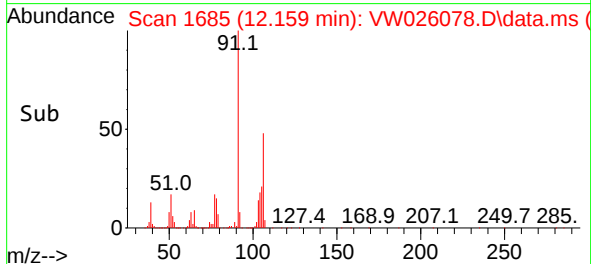
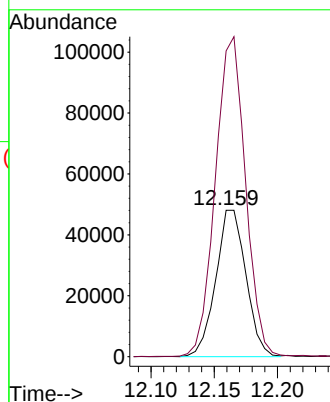
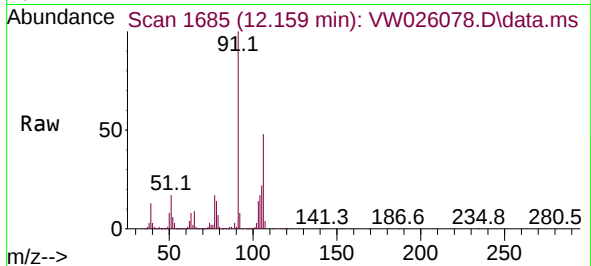




#54
o-Xylene
Concen: 3.863 ug/L
RT: 12.159 min Scan# 1685
Delta R.T. -0.006 min
Lab File: VW026078.D
Acq: 30 May 2023 09:23

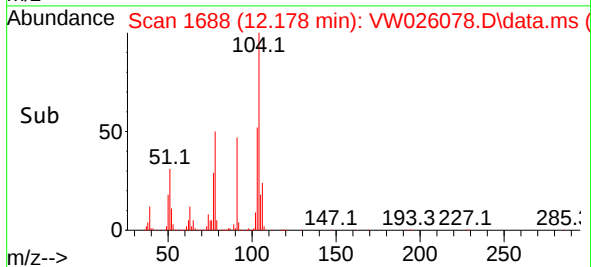
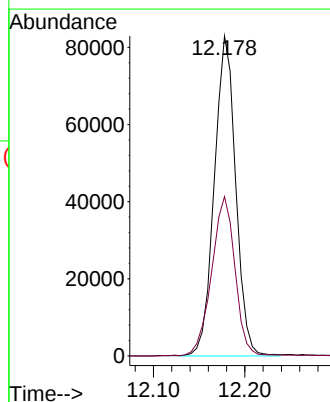
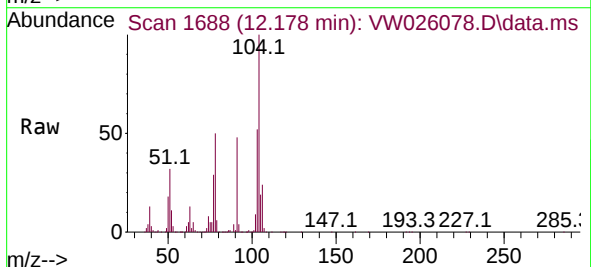
Instrument :
MSVOA_W
ClientSampleId :
VSTD005458

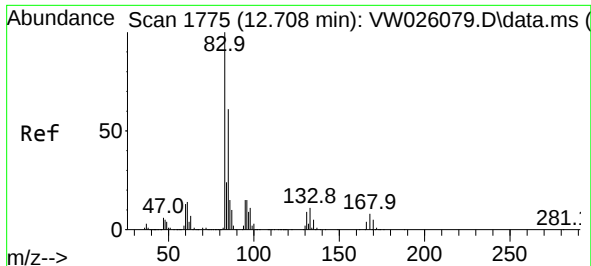
Tgt Ion:106 Resp: 79739
Ion Ratio Lower Upper
106 100
91 208.9 150.9 280.3



#55
Styrene
Concen: 3.813 ug/L
RT: 12.178 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VW026078.D
Acq: 30 May 2023 09:23

Tgt Ion:104 Resp: 135050
Ion Ratio Lower Upper
104 100
78 49.8 32.6 60.6





#57

1,1,2,2-Tetrachloroethane

Concen: 4.110 ug/L

RT: 12.714 min Scan# 1775

Delta R.T. 0.006 min

Lab File: VW026078.D

Acq: 30 May 2023 09:23

Instrument :

MSVOA_W

ClientSampleId :

VSTD005458

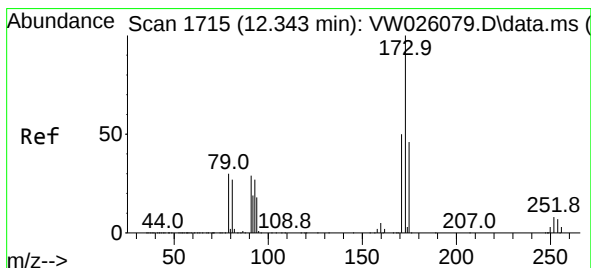
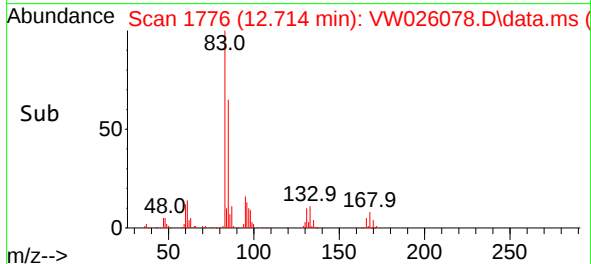
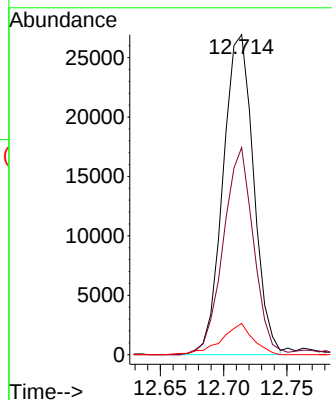
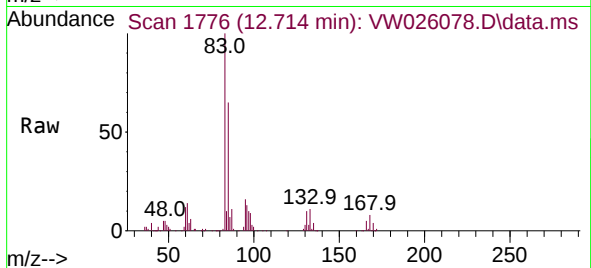
Tgt Ion: 83 Resp: 45249

Ion Ratio Lower Upper

83 100

85 64.8 42.6 79.0

131 9.8 7.2 10.8



#59

Bromoform

Concen: 4.139 ug/L

RT: 12.342 min Scan# 1715

Delta R.T. -0.000 min

Lab File: VW026078.D

Acq: 30 May 2023 09:23

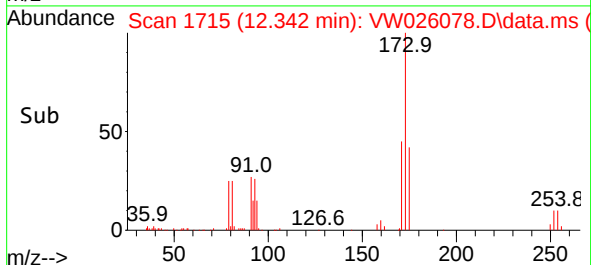
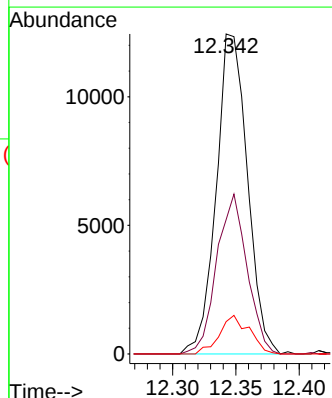
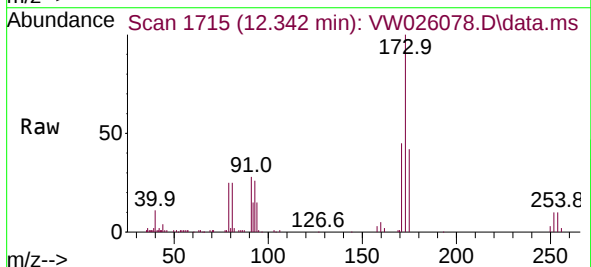
Tgt Ion: 173 Resp: 21321

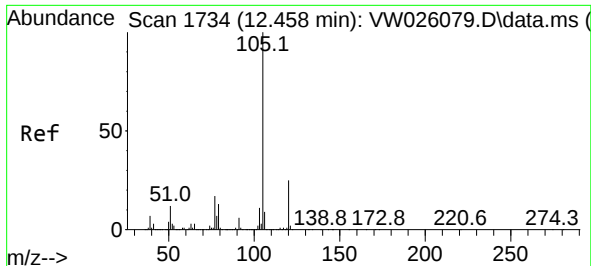
Ion Ratio Lower Upper

173 100

175 48.7 38.6 57.8

254 11.5 7.4 11.0#

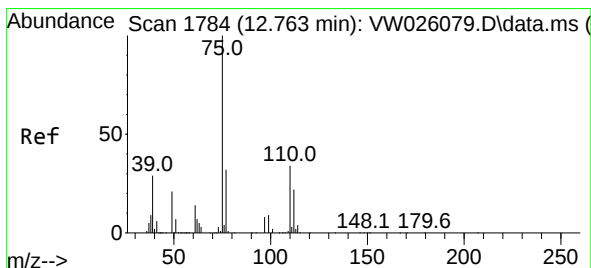
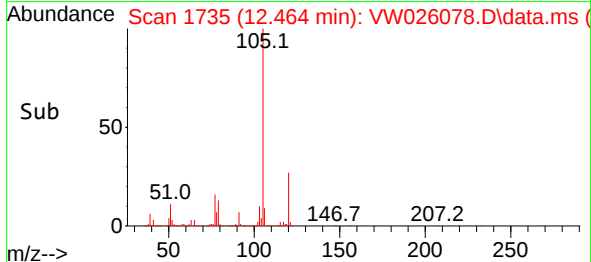
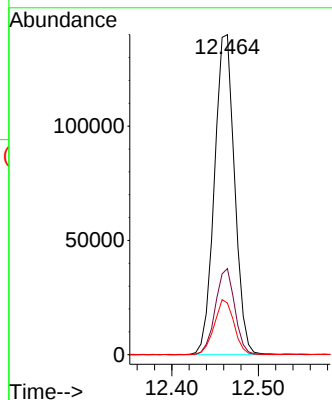
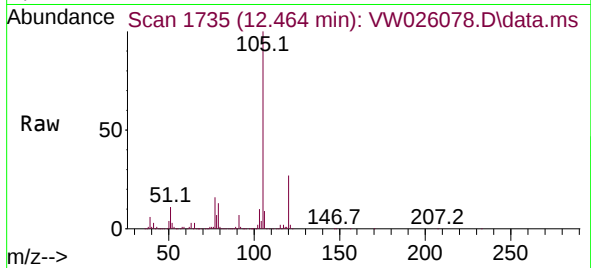




#60
Isopropylbenzene
Concen: 4.205 ug/L
RT: 12.464 min Scan# 1735
Delta R.T. 0.006 min
Lab File: VW026078.D
Acq: 30 May 2023 09:23

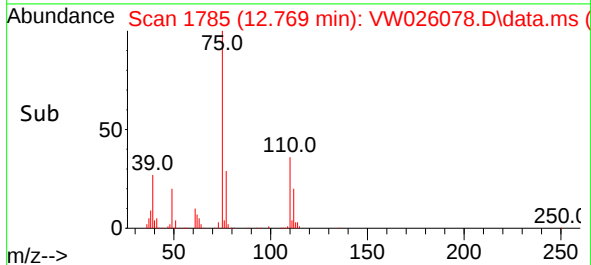
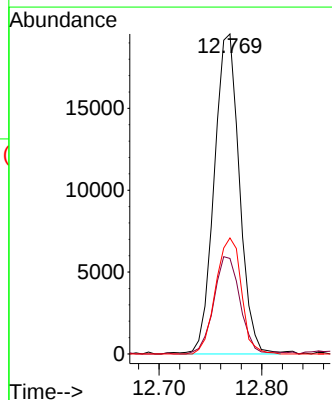
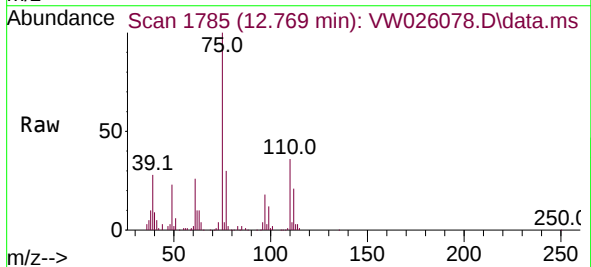
Instrument :
MSVOA_W
ClientSampleId :
VSTD005458

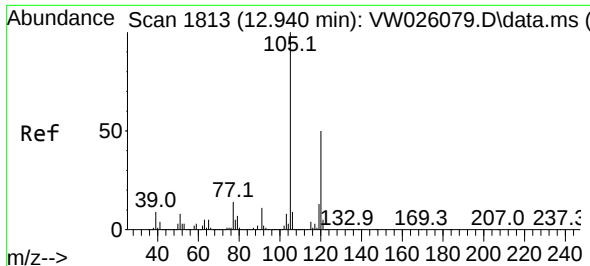
Tgt Ion:105 Resp: 226530
Ion Ratio Lower Upper
105 100
120 26.0 19.8 29.8
77 16.9 13.3 19.9



#61
1,2,3-Trichloropropane
Concen: 4.326 ug/L
RT: 12.769 min Scan# 1785
Delta R.T. 0.006 min
Lab File: VW026078.D
Acq: 30 May 2023 09:23

Tgt Ion: 75 Resp: 33231
Ion Ratio Lower Upper
75 100
77 31.6 25.2 37.8
110 36.8 28.7 43.1





#62

1,3,5-Trimethylbenzene

Concen: 3.788 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. -0.000 min

Lab File: VW026078.D

Acq: 30 May 2023 09:23

Instrument :

MSVOA_W

ClientSampleId :

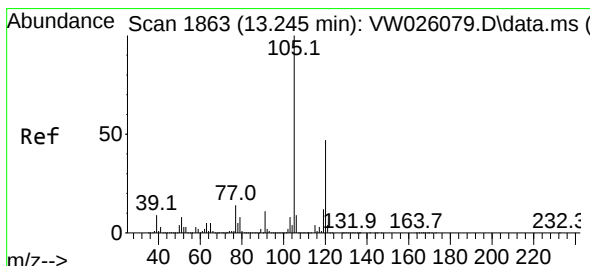
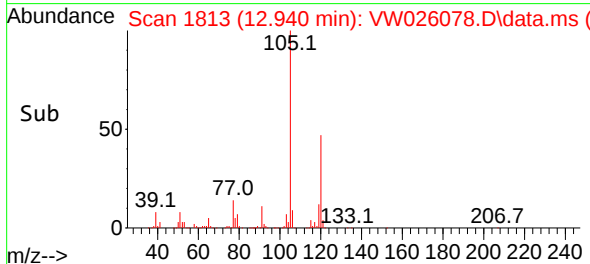
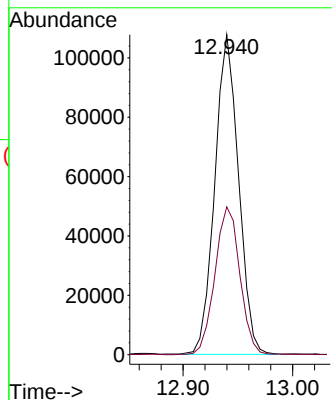
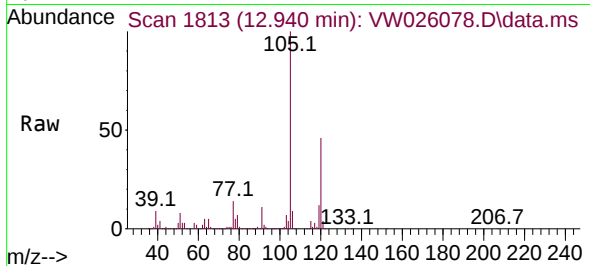
VSTD005458

Tgt Ion:105 Resp: 162226

Ion Ratio Lower Upper

105 100

120 48.6 38.8 58.2



#63

1,2,4-Trimethylbenzene

Concen: 3.864 ug/L

RT: 13.251 min Scan# 1864

Delta R.T. 0.006 min

Lab File: VW026078.D

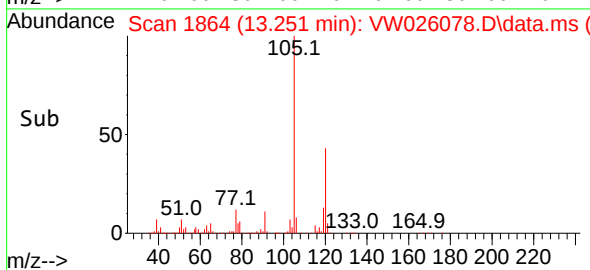
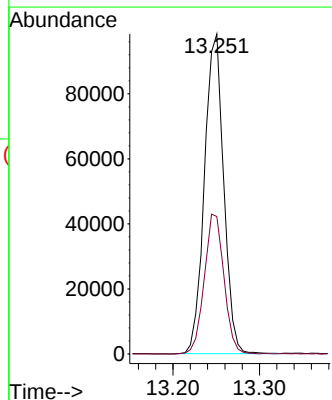
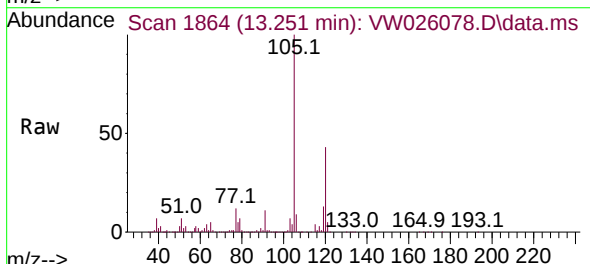
Acq: 30 May 2023 09:23

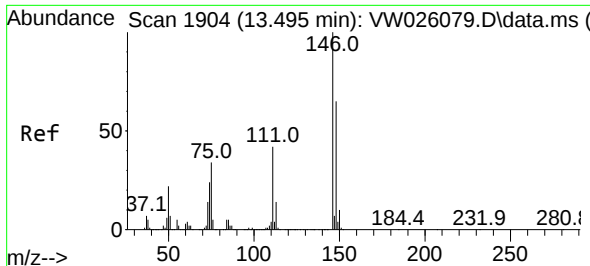
Tgt Ion:105 Resp: 151553

Ion Ratio Lower Upper

105 100

120 44.8 36.2 54.2

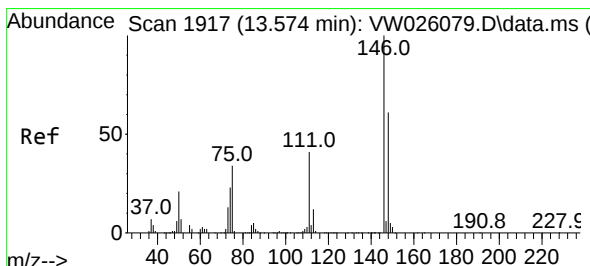
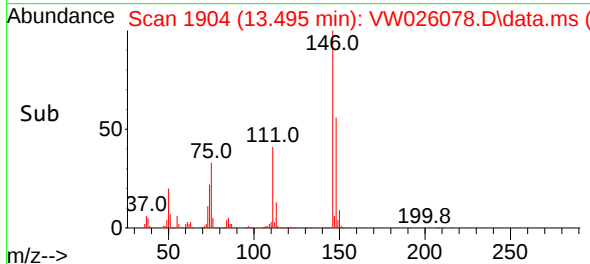
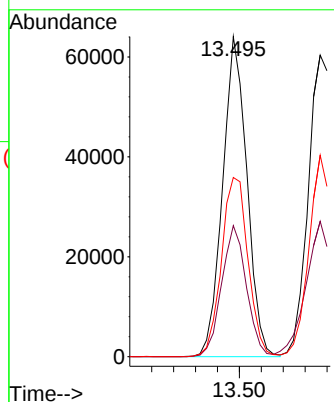
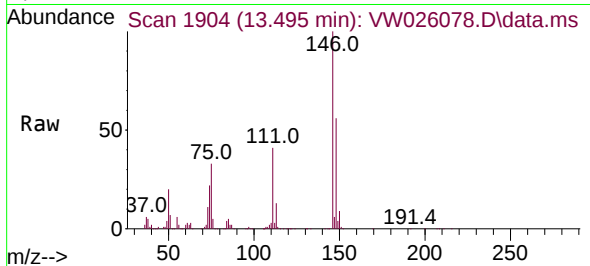




#64
1,3-Dichlorobenzene
Concen: 4.358 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW026078.D
Acq: 30 May 2023 09:23

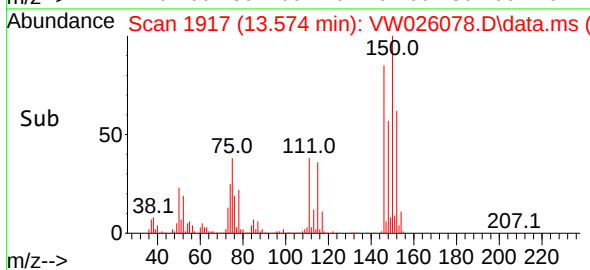
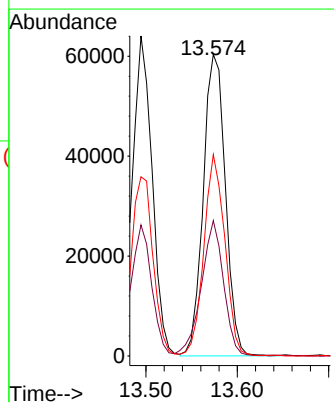
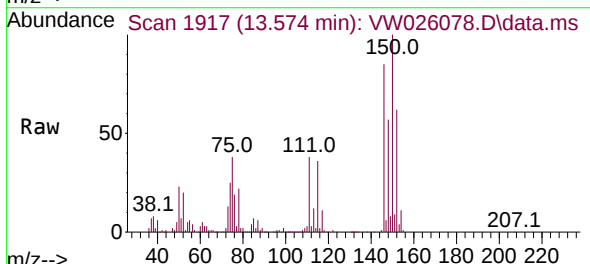
Instrument :
MSVOA_W
ClientSampleId :
VSTD005458

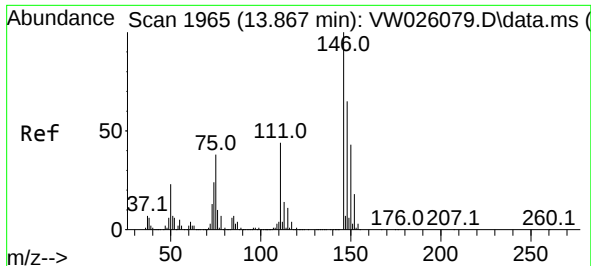
Tgt Ion:146 Resp: 98716
Ion Ratio Lower Upper
146 100
111 41.0 29.7 55.1
148 56.0 45.4 84.4



#65
1,4-Dichlorobenzene
Concen: 4.455 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VW026078.D
Acq: 30 May 2023 09:23

Tgt Ion:146 Resp: 101600
Ion Ratio Lower Upper
146 100
111 44.9 29.2 54.2
148 66.8 42.8 79.6





#67

1,2-Dichlorobenzene

Concen: 4.526 ug/L

RT: 13.866 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW026078.D

Acq: 30 May 2023 09:23

Instrument :

MSVOA_W

ClientSampleId :

VSTD005458

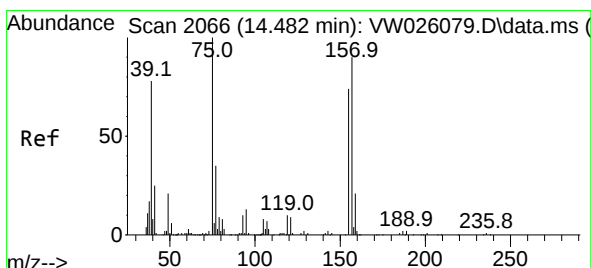
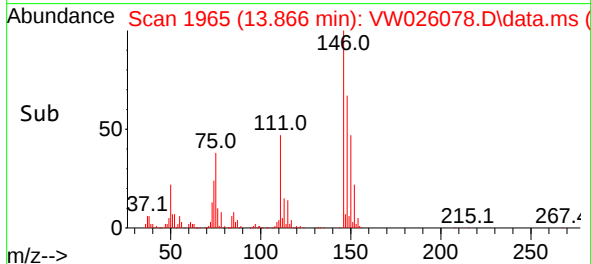
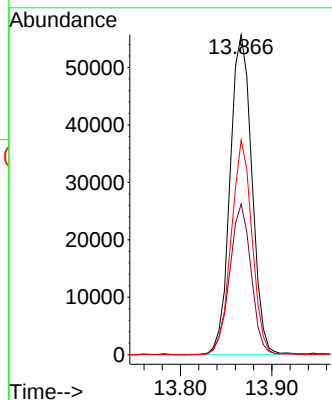
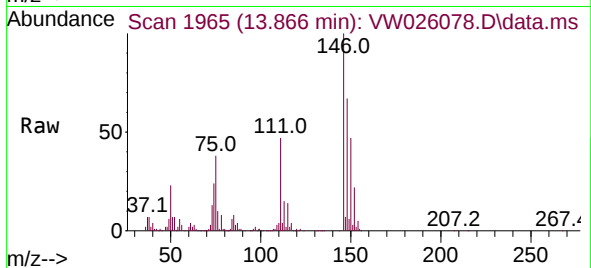
Tgt Ion:146 Resp: 92066

Ion Ratio Lower Upper

146 100

111 47.1 35.4 53.0

148 67.1 51.7 77.5



#68

1,2-Dibromo-3-chloropropane

Concen: 5.018 ug/L

RT: 14.482 min Scan# 2066

Delta R.T. -0.000 min

Lab File: VW026078.D

Acq: 30 May 2023 09:23

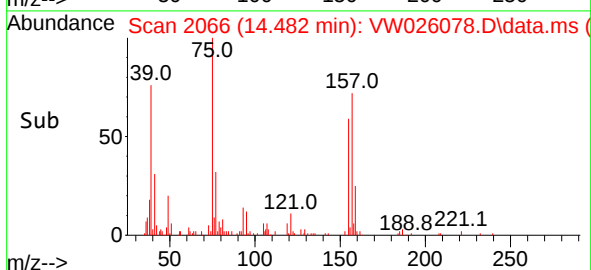
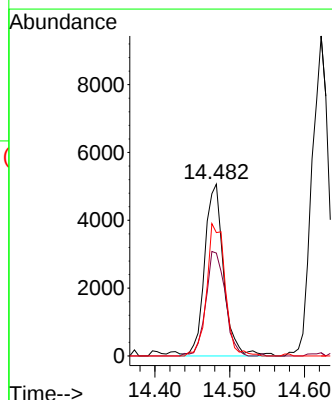
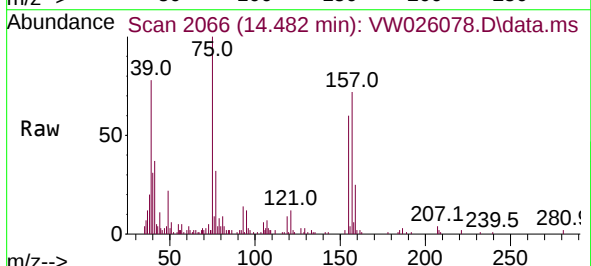
Tgt Ion: 75 Resp: 8931

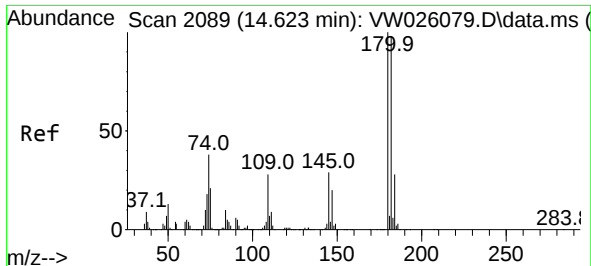
Ion Ratio Lower Upper

75 100

155 59.8 59.0 88.6

157 71.8 71.7 107.5





#69

1,3,5-Trichlorobenzene

Concen: 4.466 ug/L

RT: 14.628 min Scan# 2089

Delta R.T. 0.006 min

Lab File: VW026078.D

Acq: 30 May 2023 09:23

Instrument :

MSVOA_W

ClientSampleId :

VSTD005458

Tgt Ion:180 Resp: 69496

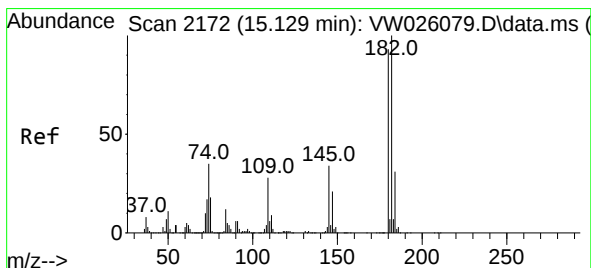
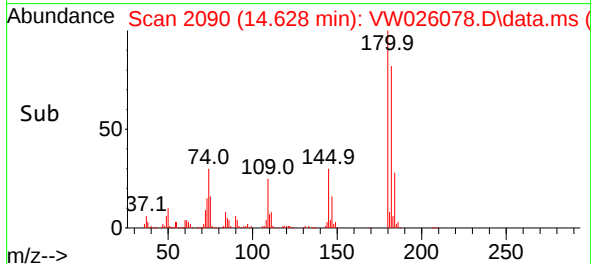
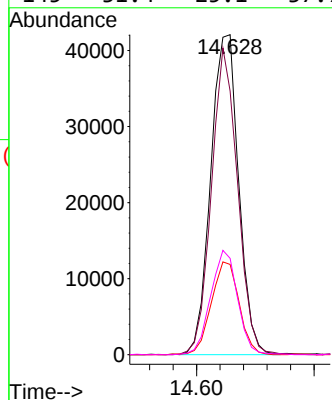
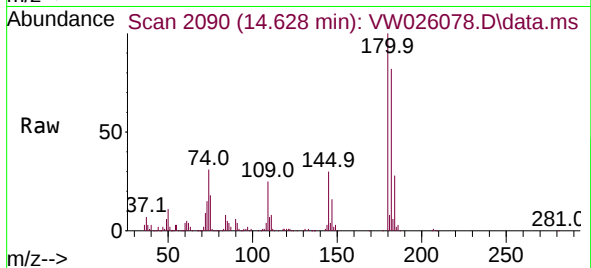
Ion Ratio Lower Upper

180 100

182 89.5 77.0 115.4

184 28.7 23.7 35.5

145 31.4 25.1 37.7



#70

1,2,4-trichlorobenzene

Concen: 4.374 ug/L

RT: 15.128 min Scan# 2172

Delta R.T. -0.000 min

Lab File: VW026078.D

Acq: 30 May 2023 09:23

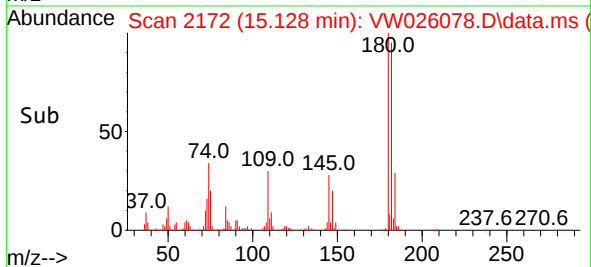
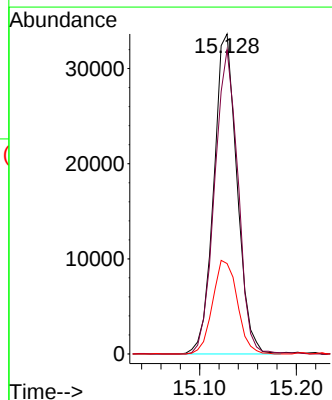
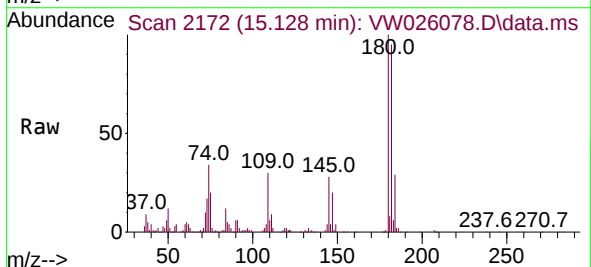
Tgt Ion:180 Resp: 56167

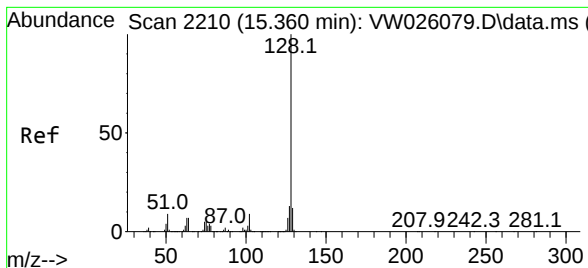
Ion Ratio Lower Upper

180 100

182 95.4 78.9 118.3

145 31.1 27.2 40.8





#71

Naphthalene

Concen: 3.989 ug/L

RT: 15.360 min Scan# 21

Delta R.T. -0.000 min

Lab File: VW026078.D

Acq: 30 May 2023 09:23

Instrument :

MSVOA_W

ClientSampleId :

VSTD005458

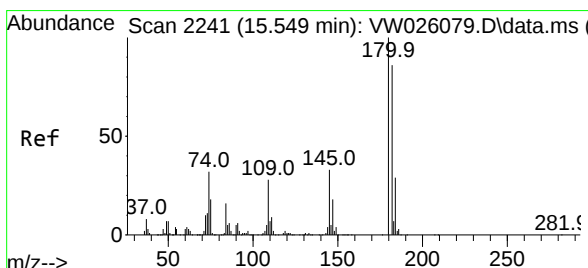
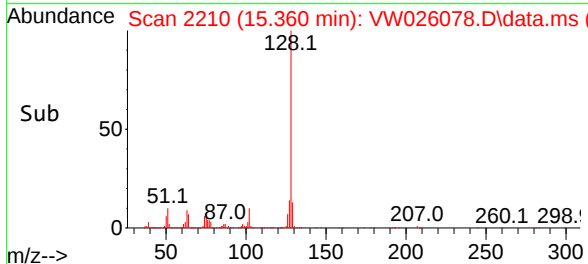
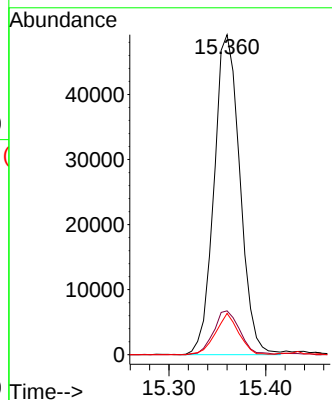
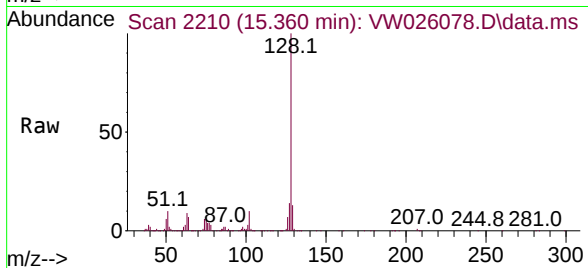
Tgt Ion:128 Resp: 91281

Ion Ratio Lower Upper

128 100

127 13.8 10.6 15.8

129 11.5 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 4.442 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. -0.000 min

Lab File: VW026078.D

Acq: 30 May 2023 09:23

Tgt Ion:180 Resp: 49851

Ion Ratio Lower Upper

180 100

182 94.9 76.3 114.5

145 35.9 27.0 40.6

